T970050-05-P

DCC Document Listing

19-Aug-97

Document No	Full Name Contractor	DocNo Doc Dt Full Title
C900087-00-P	Mike Zucker	1/31/90 Request for Quotation (RFQ) #835 - Repair of PM-25 ADP Phase Modulators
C900088-00-P	Fred Raab	4/23/90 Request for Quote (RFQ) #839 - Polishing of Fused-Silica Cylinders
C900089-00-P	Fred Raab	4/27/90 Request for Quotation (RFQ) #841 - Fused Silica Blanks
C900090-00-P	Yekta Gursel	5/22/90 Request for Quote (RFQ) #842 - Price and Delivery Date for Repolishing Fused-Silica Mirrors
C900091-00-P	Yekta Gursel	6/4/90 Request for Quote (RFQ) #843 - Super-Polished Fused-Silica Substrates
C900092-00-P	Yekta Gursel	6/6/90 Request for Quote (RFQ) #844 - Coating 16 Caltech Substrates
C900093-00-P	Yekta Gursel	6/12/90 Request for Quote (RFQ) #845 - Polish Circular Cylinders
C900094-00-P	Yekta Gursel	7/13/90 Request for Quote (RFQ) #7901-RY - Coating of 6 Caltech Substrates
C900095-00-P	Yekta Gursel	9/12/90 Request for Quote (RFQ) for Optical Table Tops and Pneumatic Isolators
C900096-00-P	Yekta Gursel	10/8/90 Request for Quote (RFQ) for Argon-Ion Laser and Accessories
C920001-00-M	Aaron R. Asrael	5/8/92 Cooperative Agreement PHY-9210038 between CIT and NSF
C920001-01-M	Karen Sandberg	8/19/93 Cooperative Agreement No. PHY-9210038 Amendment No. 01 Between the California Institute of Technology and the National Science Foundation
C920001-02-M	Aaron R. Asrael	3/8/94 Cooperative Agreement No. PHY-9210038 Amendment No. 02 Between the California Institute of Technology and the National Science Foundation
C920001-03-M	Karen Sandberg	5/9/94 Cooperative Agreement No. PHY-9210038 Amendment No. 03 Between the California Institute of Technology and the National Science Foundation(Further Revision Made on 1/9/95)
C920001-04-M	Karen Sandberg	9/2/94 Cooperative Agreement No. PHY-9210038 Amendment No. 04 Between the California Institute of Technology and The National Science Foundation
C920001-05-M	Karen Sandberg	4/20/95 Cooperative Agreement No. PHY-9210038 Amendment No. 05 Between the California Institute of Technology and the National Science Foundation
C920001-06-M	Aaron R. Asrael	7/13/95 Cooperative Agreement No. PHY-9210038 Amendment No. 06 Between the California Institute of Technology and the National Science Foundation
C920001-07-M	Karen Sandberg	1/19/96 Cooperative Agreement No. PHY-9210038 Amendment No. 07 Between California Institute of Technology and National Science Foundation
C920001-08-M	Aaron R. Asrael	5/13/96 Amendment 08 for Cooperative Agreement PHY-9210038
C920001-09-M	Karen Sandberg	3/18/96 Cooperative Agreement No. PHY-9210038 Amendment No. 09 Between California Institute of Technology and National Science Foundation
C920001-10-M	Karen Sandberg	6/20/96 Cooperative Agreement No. PHY-9210038 Amendment No. 10 Between California Institute of Technology and National Science Foundation
C920001-12-M	Karen Sandberg	12/10/96 Amendment #12 to Cooperative Agreement PHY-9210038
C920001-13-M	Karen Sandberg	2/18/97 Amendment 13 to Cooperative Agreement PHY-9210038 - Increase of Funds from \$208,457,909 to \$265,388,935
C920005-00-B	Mary Humphrey	9/11/92 Request for Proposal (RFP) #MH-146 for LIGO Beam Tube Modules
C920006-00-P	Fred Asiri	6/19/92 P.O. PP045673 with John E. Chance & Associates, Inc Surveying and Staking the Livingston Site
C920007-00-O	John F. Bloodgood	6/6/92 Proposal for Surveying and Staking the Livingston Site
C920008-00-O	R.J. Byme	6/11/92 Proposal for RFP for a Geotechnical Survey of Hanford
C920009-00-O	Thomas C. Benson	6/12/92 Proposal in Response to RFP for Geotechnical Survey - Hanford
C930001-00-O	Gerry Stapfer	9/14/93 Selection of an AE/EC Contractor
C930002-00-B	Larry Jones	8/16/93 Firm-Fixed Price Contract, P.O. PP108027 (#C146) with CBI for Beam Tube Modules (SIGNED original)
C930002-01-B	Larry Jones	6/8/94 Change Order #1 for P.O. PP108027 with CBI
	Larry Jones	11/3/94 Change Order #2 for P.O. PP108027 with CBI for Additional Tasks
	Larry Jones	4/12/96 Change Order #5 for P.O. PP108027 with CBI
	Jon Hagstrom	8/17/93 Return of Signed Contract #C146 (P.O. PP108027) with CBI
C930004-00-B	-	8/23/93 CBI/CIT Systems Requirement Review Revised Meeting Agenda, 24-25 August 1993
C930005-00-B	, , , , , , , , , , , , , , , , , , ,	8/19/93 CBI/CIT Systems Requirement Review Meeting Agenda, 24-25 August 1993, DRAFT
C930006-00-B	-	9/3/93 Confirmation for Beam Tube Module System Requirements Review in Plainfield, 28 September 1993
C930007-00-B	-	9/13/93 CBI/CIT Systems Requirement Review Meeting Agenda, 28 September 1993, DRAFT
C930008-00-B		9/29/93 Action Items from Systems Requirements Review Meeting of 28 September 1993
C930009-00-B	-	9/30/93 TDM #1 Response - Baffle Modifications
C930010-00-B	-	10/1/93 Markup of Action Items from SRR of 28 September 1993
C930011-00-B		10/1/93 SRR Meeting Minutes of September 28, 1993 - DRAFT
C930012-00-B	-	11/1/93 Additional Action Item Listing for 2nd Project Review Data Package
C930013-00-B	-	10/19/93Beam Tube Module PDR Subjects, DRAFT
C930014-00-B	-	11/8/93 Draft PDR Meeting Outline for 30 November - 1 December 1993
C930015-00-B		11/8/93 Viewgraph Examples of the Fabrication and Construction for PDR, 30 November - 1 December 1993
C930016-00-B	-	11/12/93 Pre-Qualification Tube Inspection and Tasks (sent to Rick Prior -MWG, Houston Welding)
C930017-00-B		11/12/93 Beam Tube Module Preliminary Design Review (PDR) Agenda, 30 November - 1 December 1993, DRAFT
C930018-00-B	-	11/16/93 Review Board Charter and Preliminary Agenda for PDR on 30 November - 1 December 1993, DRAFT
C930019-00-B	-	11/19/93 Preliminary Design Review (PDR) Agenda, 30 November - 1 December 1993, DRAFT
C930020-00-B		11/28/93 Preliminary Design Review (PDR) Agenda, 30 November - 1 December 1993, Revised
C930021-00-B	-	12/2/93 Proposed Shear and Weld Sequencing
C930022-00-B	Larry Jones	12/2/93 Supply Availability for Wrapped Coupons

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Document No Full Name ContractorDoc	No Doc Dt Full Title
C930023-00-B Marty Tellalian	12/10/93 Livingston Site Survey of 7 December 1993
C930024-00-B Marty Tellalian	12/15/93 Draft letter for Contract Change Requesting Additional Weld Procedure Development - CBI WBS Change Number 710
C930025-00-B Marty Tellalian	12/15/93 Request for Change to Build the Option Outgas Test Facility, DRAFT
C930026-00-B Marty Tellalian	12/20/93 Beam Tube Support Reactions at Foundation Level
C930027-00-B Marty Tellalian	12/6/93 Meeting Agenda for 8 December 1993
C930028-00-B Ken Flessas	12/6/93LIGO Team Member-Communication Chart
C930029-00-B Larry Jones	9/27/93 Response to CDRL submittal of the Project Control Plan, Draft (CDRL 01, DRD 01) and the Documentation Control Plan, Draft (CDRL 05, DRD 02) dated 16 September 1993
C930030-00-B Larry Jones	9/28/93 Presentation Viewgraphs of Preliminary Comments and Feedback to CBI on Draft Project Control Plan and Draft Documentation Control Plan, 28 September 1993
C930031-00-B Larry Jones	11/12/93 Response to 2nd Draft Submittals of the Project Control Plan (CDRL 01, DRD 01) and the Documentation Control Plan (CDRL 05, DRD 02), dated 12 November 1993
C930032-00-O Dames & Moore	2/10/93 Report of Geotechnical Survey for Hanford, WA - dated 10 February 1993
C930033-08-P Ed Jasnow	2/24/97 Change Order #8 for P.O. PC091363 with Woodward-Clyde Consultants - Additional Geotechnical Sampling and Testing at Livingston Site
C930033-09-P Ed Jasnow	5/21/97 Change Order #9 to P.O. PC091363 with Woodward-Clyde Consultants
C930034-03-P Ed Jasnow	1/12/96 Change Order #3 to P.O. PP112285 with U.S. Department of Energy
C930034-04-P Ed Jasnow	8/14/96 Change Order Number 4 to Purchase Order Number 402373.
C930034-05-P Ed Jasnow	8/1/97 Change Order #5 to P.O. PP112285 with U.S. Department of Energy, Richland Operations Office - Fire, Emergency Services, Telecommunications Support and Security Services at Hanford
C930035-00-O Steve Hunter	11/4/93 Cost Breakdown to Provide Service to the Ligo Project
C930036-00-O Steve Hunter	10/14/93 Providing Electrical Power Service to the Ligo Project
C930037-00-O Stephen R. Anderson	11/10/93 Change of Existing Overhead Primary Facilities to Underground Primary Facilities
C930038-00-B	11/4/93 Support Documentation for PDR with CBI for the Design and Qualification Test of the Beam Tube Modules
C930041-00-O Charles Culver	9/9/93 Christmas Treeing
C930042-00-O Battelle Pacific Northwest Lab	5/27/93 Biological Survey for LIGO
C930043-00-O Virgil T. Collins	2/22/93 Surveyor's Report for LIGO Site in Livingston
C940001-00-O Gerry Stapfer	5/27/94 Approach and Steps to Get an A-E Firm on Board
C940002-00-O	4/25/94 Commerce Business Daily Solicitation #0194 for A/E Firms, dated 5/20/95
C940003-00-O Gerry Stapfer	10/27/94 Presentation on Architect-Engineer Selection Criteria and Results, 27 October 1994
C940004-00-O Gerry Stapfer	7/21/94 Denial of Inclusion on List to Receive a Request for Proposal (RFP) for LIGO A/E Services
C940005-00-O Gerry Stapfer	7/21/94 Selected to Receive Solicitation for Proposal in Response to Solicitation #0194 for LIGO A/E Services
C940006-00-O Cindy Akutagawa	5/20/94 List of Companies Selected to Submit Proposals in Response to Solicitation #0194 for A/E Services
C940007-00-O California Institute of Tech.	Evaluations of Selected Companies Qualifications for A/E Services
C940008-00-O Fred Asiri	7/14/94 Presentation on Architect-Engineer Selection Process and Results, dated 14 July 1994
C940008-00-O Irena Petrac	7/14/94 Presentation on Architect-Engineer Selection Process and Results, dated 14 July 1994
C940009-00-O Gerry Stapfer	6/27/94 A-E Review Panel Meeting, 14 July 1994
C940010-00-O Gerry Stapfer	6/20/94 Participation on A-E Review Panel for 14 July 1994
C940011-00-O Gerry Stapfer	7/14/94 A-E Review Panel Report/Minutes of 14 July 1994
C940012-00-O Gerry Stapfer	7/19/94 A-E Review Panel Meeting Package (Agenda, Objectives, Summary) of 14 July 1994
C940013-00-O Gerry Stapfer	9/26/94 A-E Review Panel Meeting Agenda (Preliminary) for 27 October 1994
C940014-00-O Gerry Stapfer	A-E Review Panel Meeting Agenda for 27 October 1994
C940015-00-O	11/4/94 A-E Review Panel Meeting Travel/Expense Reimbursements
C940016-00-O Gerry Stapfer	10/31/94 A-E Review Panel Report for 27 October 1994 Meeting
C940017-00-O Barry Barish	8/22/94 Information copy of Request for Proposal (RFP) for LIGO Facility Design and Construction Management Support
C940018-00-O Yasmin Merali	8/15/94 Transmittal of Request for Proposal (RFP) #YM 193 for Facilities Design and Construction Management Support
C940019-00-O Yasmin Merali	9/7/94 Addendum #1 to Request for Proposal (RFP) #YM 193 - Additional Information
C940020-00-O Yasmin Merali	8/15/94 Transmittal of Request for Proposal (RFP) #YM 193 - Facilities Design and Construction Management Support
C940021-00-O Yasmin Merali	9/7/94 Addendum #1 to RFP #YM 193 - Additional Information
C940022-00-O Yasmin Merali	8/15/94 Transmittal of Request for Proposal (RFP) #YM 193 - Facilities Design and Construction Management Support
C940023-00-O Yasmin Merali	9/7/94 Addendum #1 to RFP #YM 193 - Additional Information
C940024-00-O Michael S. Hayner	8/22/94 Confirmation of Intent toSubmit a Proposal for RFP YM 193
C940025-00-O	9/13/94 Bechtel's Input to Questions on LIGO RFP #YM 193 8/45/04 Bequest for Proposal (PER) #YM 193 Facilities Design and Construction Management Support
C940026-00-O Yasmin Merali C940027-00-O	8/15/94 Request for Proposal (RFP) #YM 193 - Facilities Design and Construction Management Support
C940028-00-O Gerry Stapfer	5/25/94 Statement of Work for A/E Professional Services for Facility Design of LIGO, DRAFT 8/26/94 Agenda, Attendees, Questions for LIGO A-E Bidders Conference on August 26, 1994
	10/1/94 Completed Evaluation Forms for Bechtel, DMJM, and Parsons
C940029-00-O P. Riegert C940029-00-O Fred Asiri	10/1/94 Completed Evaluation Forms for Bechtel, DMJM, and Parsons 10/1/94 Completed Evaluation Forms for Bechtel, DMJM, and Parsons
C940030-00-O Yasmin Merali	9/12/94 Addendum #2 to RFP #YM 193 - Additional Information
C940031-00-O Tasmin Merali C940031-00-O Irena Petrac	9/28/94/Visit for Oral Discussions - scheduled for 11 October 1994
C940032-00-O Irena Petrac	10/6/94 Agenda for Oral Discussions on 11 October 1994
C940032-00-O literia Petrac C940033-00-O Yasmin Merali	9/12/94 Addendum #2 to RFP #YM 193 - Additional Information
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C940034-00-O Irena Petrac		9/28/94 Visit for Oral Discussions - scheduled for 10 October 1994
C940035-00-O Irena Petrac		10/6/04 Agenda for Oral Discussion - scheduled 10 October 1994l
C940036-00-O Michael S. Hayner		9/29/94 Acknowledgement of Scheduled Oral Discussions and Map of Bechtel
C940037-00-O Irena Petrac		10/10/94 Meeting Notes from Oral Discussion Held at Bechtel on 10 October 1994
C940038-00-O Yasmin Merali		9/12/94 Addendum #2 to RFP #YM 193 - Additional Information
C940039-00-O Irena Petrac		9/28/94 Visit for Oral Discussions - scheduled for 12 October 1994
C940040-00-O Irena Petrac		10/6/94 Agenda for Oral Discussions on 12 October 1994
C940041-00-O Irena Petrac		10/12/94 Meeting Notes from Oral Discussion held at DMJM on 12 October 1994
C940042-00-O Gerry Stapfer		11/8/94 Selection of Architect-Engineer Presentation to A/e Source Selection Board
C940043-00-O Gary Sanders		10/28/94 Final Report of the Architect-Engineer Evaluation Panel for LIGO FDCM
C940044-00-O Gary Sanders		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940044-00-O Fred Asiri		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940044-00-O Gerry Stapfer		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940044-00-O Sandy Pool		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940044-00-O Bill Althouse		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940044-00-O Barry Barish		11/15/94 Source Selection Report for Procurement for LIGO Facility Design and Construction Management Support, with Signature Page
C940045-00-V Yasmin Merali		12/8/94 Request for Proposal (RFP) #MH 178 - LIGO Vacuum Equipment
C940046-00-O Yasmin Merali		12/1/94 Acknowledgement of Parsons as chosen A-E company
C940047-00-O Sven Svendsen		12/6/94 Response to Debriefing on the Selection Process for FDCM Support for LIGO
C940048-00-O James A. Johnson		7/28/94 Request for Names of the Firms Selected to Receive the RFP #YM 193
C940049-00-O Debra Joan Barbour		8/19/94 Request for Debriefing
C940050-00-O Dan McKelvie		7/27/94 Request for Debriefing
C940051-00-O Richard Forest		9/22/94 Request for Debriefing
C940052-00-O Irena Petrac		8/18/94 Distribution List of RFP YM 193
C940053-00-O		8/10/94 RFP #YM 193 Status and Schedule
C940054-00-O Yasmin Merali		12/1/94 Acknowledgement of Parsons as Chosen A/E company
C940055-00-P Yasmin Merali		11/28/94 Request for Proposal (RFP) #YM 199 - Technology Demonstration of a Coating Process for LIGO Optics
C940056-01-O		11/1/94 Geotechnical Investigation of the LIGO Site, DRAFT - Livingston, Louisiana
C940056-A-O		1/1/95 Geotechnical Investigation of the LIGO Site, FINAL - Livingston, Louisiana
C940057-00-P Karen Dowd		1/18/95 P.O. PC150969 with Ralph M. Parsons Company for Facilities Design and Construction Management Support at Livingston and Hanford (includes Concurrence document)
C940058-00-V John Worden		11/1/94 Procurement Plan for the LIGO Vacuum Equipment, CALTECH DISCREET (previous document #11000130)
C940059-00-O Gerry Stapfer		11/22/94 Additional A/E Definitions for Parsons Contract, P.O. PP150969
C940060-00-B Marty Tellalian		1/4/94 Draft Request for Change to the Contract to Evaluate Alternative Cleaning Procedures
C940061-00-B Larry Jones		1/4/94 PDR Review Board Report, DRAFT (30 November - 1 December, 1993)
C940062-00-B Larry Jones		2/2/94 Alternative Beam Tube Section Cleaning
C940063-00-B Marty Tellalian		1/31/94 Project Schedule and FDR Meeting Date
C940064-00-B Larry Jones		2/15/94 Authorization to Proceed on Weld Coupons Made with Standard Weld Wire
C940065-00-B Steve Peters	R-930212-002	2/16/94RFQ to Washington Steel Corp. for Stainless Steel Coils
C940066-00-B Marty Tellalian		2/21/945th Monthly Review Meeting Action Items, DRAFT
C940067-00-B Marty Tellalian		2/22/94 Change Order Request for Procurement of a Full Sized Coil of Beam Tube Material for the Qualification Test
C940068-00-B Ken Flessas		2/23/94 Clarification of Labor Rates for Revised Budget Estimate for the Option Phase
C940069-00-B Charles Sherlock		3/7/94 Shipment of Plain and Welded Coupons
C940070-00-B Ken Flessas		3/9/94 ROM Estimate Summary
C940071-00-B Warren A. Carpenter		3/14/94 Change Order Request for Independent Coupon Outgassing Test Facility
C940071-01-B Marty Tellalian		3/22/94 Change Order Request for Independent Coupon Outgassing Test Facility, Revision 1
C940072-00-B Warren A. Carpenter		3/14/94RGA Selection - Beam Tube Qualification Test
C940073-00-B Larry Jones		3/15/94 Proposed Agenda for 6th Monthly Review Meeting of 17 March 1994
C940074-00-B Marty Tellalian		3/15/946th Monthly Review Meeting Agenda for 17 March 1994
C940075-00-B Marty Tellalian		3/21/94 Change Order Request for Purchase of Three Full Size Coils of Beam Tube Material for the Qualification Test, DRAFT
C940076-00-B Larry Jones		3/22/94 Current LIGO Contracts at Hanford Site
C940077-00-B Marty Tellalian		3/25/94 Change Order Request for Qualification Test I2R Bakeout
C940078-00-B Marty Tellalian		4/12/94 Preliminary Agenda for the Final Design Review (FDR) - 26 April 1994
C940079-00-B Marty Tellalian		4/12/94 Change Order Request for Additional Weld Wire Evaluation and Coupon Preparation
C940080-00-B Warren A. Carpenter		4/18/94 Notes from GNB Meeting re. Gate Valve Quotations
C940081-00-P Richard Berglund		3/30/94 Memorandum of Understanding and Project Agreement between Caltech and the Central Washington Building and Construction Trade Council (SIGNED COPY)
C940082-00-B Paula Morgan		4/22/94 Qualification Test Final Design Review (FDR) Viewgraphs
C940083-00-B Marty Tellalian		5/10/94 Change Order Request for Additional Copies of Printed Materials for the PDR, FDR, and QTR, Draft
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CA0111-00-8 Marry Tellalian 87/29/Action flams 91/29/Action flam		-		
SAVI 12-00-B Namy Tellalian SAVI-Schedule Detail for 7/25/94 Schedule Update Detail for 7/25/94 Schedule Update SAVI-Schedule SAVI				7/27/94 Action Items
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CA94114-00-B Marry Tellalian 914-94 Change Request Order for Qualification Test I2R Bakeout 941-94 Change Request Order for Qualification Test I2R Bakeout 941-94 Change Order Request for Expansion Joint Spring Rate Test & 12 Monthly Review Meeting on 29 September 1994 941-94 Change Order Request for Expansion Joint Spring Rate Test & 12 Monthly Review Meeting on 29 September 1994 941-94 Change Order Request for Expansion Joint Spring Rate Test & 12 Monthly Review Meeting on 29 September 1994 941-94 Change Order Request for Expansion Joint Fatigue Test - WES #780 941-94 Change Order Request for Expansion Joint Fatigue Test - WES #780 941-94 Change Order Request for Qualification For Qualification Fatigue Test - WES #780 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing and Implementation Schedule, 30 August 1994 941-94 Change Proposed Agends for Orgonic Plans Coasing Agends on Plans Change Proposed Agends for Orgonic Plans Coasing Agends on Plans Change Proposed Agends for Orgonic	C940112-00-B	Marty Tellalian		8/8/94 Schedule Detail for 7/25/94 Schedule Update
CAM0115-00-8 Marry Tellalian	C940113-00-B	Marty Tellalian		8/10/94 Expansion Joint Fatigue Test Request for Change
C94016-00-8 Marty Tellalian 9/23/94-hyspan Expansion Joint Spring Rate Test & 12 Monthly Review Meeting on 29 September 1994 C94017-00-B Marry Tellalian 77/29-94 Change Order Request for Expansion Joint In Faijure Test - WB 8790 C940119-00-B Larry Jones 8/31/94 Update of Option Estimate Adjustments Listing C94012-00-B Larry Jones 8/31/94 Update of Option Estimate Adjustments Listing C94012-00-B Larry Jones 8/19/94 Proposed Agrical for Option Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/19/94 Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/59/94 Option Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/59/94 Option Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/59/94 Option Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/59/94 Option Provision on Contract #14 for LICO Beam Tube Modules C94012-00-B Larry Jones 8/59/94 Option Provision on Contract #14 for LICO Beam Tube Tube Tube Tube Tube Tube Tube Tube	C940114-00-B	Marty Tellalian		9/14/94 Change Request Order for Qualification Test I2R Bakeout
C940117-00-B Marty Tellalian 77/28/94 Change Order Request for Expansion Joint Fatigue Test - WBS #790 C940118-00-B Marty Tellalian 77/29/4 Change Order Request for Expansion Joint Fatigue Test - WBS #790 C940120-00-B Larry Jones 83/19/4 Update of Option Estimate Adjustments Listing C940120-00-B Larry Jones 81/19/4 Proposed Agenda for Option Phase Costing and Implementation Schedule, 30 August 1994 C940122-00-B Larry Jones 81/19/4 Request for Change Proposed Agenda for Option Provision on Contract #146 for LIGO Beam Tube Modules C940122-00-B larry Jones 81/19/4 Request for Change Proposed Agenda for Option Provision on Contract #146 for LIGO Beam Tube Modules C940122-00-B larry Jones 81/19/4 Proposed Agenda for Option Provision on Contract #146 for LIGO Beam Tube Modules C940122-00-B larry Jones 81/19/4 Proposed Agenda for Option Provision on Contract #146 for LIGO Beam Tube Modules C940125-00-B Jup Chopek 72/26/9 Article IV. Option of the Contract - Considerations C940125-00-B Larry Jones 21/16/9 4 TDM #9-40 1 - PDR Recommendations Agreed to Be Within the Scope of Existing Contract C940125-00-B Larry Jones 61/16/9 4 Replacement Diversing for Enclosed Feet Fly for Calculation Test and Option Usage C940127-00-B Larry	C940115-00-B	Marty Tellalian		9/16/94 Excerpts from Senate Report 103-311
C940118-00-B Marry Tellatian 7/12/94/Change Order Request for Qualification Test I2R Bake Out C940119-00-B Larry Jones 6/31/94/pdate of Option Estimate Adjustments Listle And Schedule, 30 August 1994 C940121-00-B Larry Jones 8/19/94/Proposed Agenda for Option Phase Costing and Implementation Schedule, 30 August 1994 C940121-00-B Larry Jones 8/19/94/Proposed Agenda for Option Phase Costing and Implementation and Pumping Equipment, DRAFT C940123-00-B Irena Petrac 8/19/94/Poptor Proposal for the Beam Tube Hordiduse C940123-00-B Larry Jones 8/5/94/Proposed Agiustments to April 1994 Option Estimate C940123-00-B Larry Jones 8/5/94/Proposed Agiustments to April 1994 Option Estimate C940123-00-B Larry Jones 8/5/94/Proposed Adjustments to April 1994 Option Estimate C940123-00-B Larry Jones 8/5/94/Proposed Adjustments to April 1994 Option Estimate C940123-00-B Larry Jones 6/16/94/ERJOM Proposed Adjustments to April 1994 Option Estimate C940124-00-B Larry Jones 6/16/94/ERJOM Proposed Adjustments to April 1994 Option Estimate C940124-00-B Larry Jones 6/16/94/ERJOM Proposed Adjustments to April 1994 Option Estimate C940124-00-B Larry Jones 6/16	C940116-00-B	Marty Tellalian		9/23/94 Hyspan Expansion Joint Spring Rate Test & 12 Monthly Review Meeting on 29 September 1994
C940119-00-B Larry Jones 8/31/94 Update of Option Estimate Adjustments Listing Shipsy Approach Agenda for Option Phase Costing and Implementation Schedule, 30 August 1994 C940121-00-B Larry Jones Shipsy Agendas for Option Phase Costing and Implementation Schedule, 30 August 1994 C940121-00-B Larry Jones Shipsy Agendas for Change Proposal for the Beam Tube Termination and Pumping Equipment, DRAFT C940122-00-B Larry Jones 8/994 Option* Provision on Contract #146 for LIGO Beam Tube Modules C940123-00-B Larry Jones 8/994 Option* Provision on Contract #146 for LIGO Beam Tube Modules C940123-00-B Larry Jones 8/994 Option* Provision on Contract #146 for LIGO Beam Tube Modules C940123-00-B Larry Jones 8/994 Article IV. Option of the Contract - Considerations C940125-00-B Larry Jones C940125-00-B C940125-00-B Larry Jones C940125-00-B C	C940117-00-B	Marty Tellalian		7/28/94 Change Order Request for Expansion Joint Fatigue Test - WBS #790
C940120-00-B Larry Jones 8/1994 Proposed Agenda for Option Phase Costing and Implementation Schedule, 30 August 1994 C940121-00-B Larry Jones 8/1994 Proposed Agenda for Option Phase Costing and Implementation and Pumping Equipment, DRAFT C940123-00-B Irena Petrac 8/1994 Proposed Agenda for Option Provision on Contract #146 for LIGO Beam Tube Modules C940123-00-B Larry Jones 8/594 Proposed Adjustments to April 1994 Option Estimate C940124-00-B Joe Chopek 7/26/94 Article IV, Option of the Contract - Considerations C940125-00-B Larry Jones 2/16/94 TDM 94-01 - PDR Recommendations Agreed to Be Within the Scope of Existing Contract C940126-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940128-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940128-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940128-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940128-00-B Larry Jones 6/16/94 REPROJECT Feature C940128-00-B Larry Jones 6/16/94 REPROJECT Feature C94013-00-B Marty Tellalian 11/26/94 Feature	C940118-00-B	Marty Tellalian		7/12/94 Change Order Request for Qualification Test I2R Bake Out
Section	C940119-00-B	Larry Jones		8/31/94 Update of Option Estimate Adjustments Listing
C940122-00-B Irena Petrac 8/994 Option* Provision on Contract #146 for LIGO Beam Tube Modules	C940120-00-B	Larry Jones		8/19/94 Proposed Agenda for Option Phase Costing and Implementation Schedule, 30 August 1994
C940123-00-B	C940121-00-B	Larry Jones		8/19/94 Request for Change Proposal for the Beam Tube Termination and Pumping Equipment, DRAFT
C940124-00-B Joe Chopek 7/26/94 Article IV, Option of the Contract - Considerations C940125-00-B Larry Jones 2/16/94 TDM 94-01 - PDR Recommendations Agreed to Be Within the Scope of Existing Contract C940126-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940127-00-B Larry Jones 6/16/94 Shipping of Coupon for Auger Testing C940128-00-B Larry Jones 6/16/94 ER308L Filler Wire Hydrogen Outgassing Tests Acceptable for Qualification Test and Option Usage C940129-00-B Warren A. Carpenter 7/11/94 Meeting Minutes for 5-6 July 1994 re Coupon Outgassing Test Apparatus and Procedures C940130-00-B Marty Tellalian 11/4/94 Vertical Cleaning Station Including Solvent Wash C940131-00-B Marty Tellalian 11/2/194 Estimating Accuracy Range C940132-00-B Larry Jones 10/28/94 Beam Tube Cleaning - Meeting Discussion C940134-00-B Larry Jones 11/294 Task Order #94-01 C940134-00-B Larry Jones 11/8/94 Signed Task Order #94-01 and Task Order Progress Report C940136-00-B Marty Tellalian 11/8/94 Signed Task Order #94-01 and #94-02 for the Cleaning Investigation and Comparison	C940122-00-B	Irena Petrac		8/9/94 "Option" Provision on Contract #146 for LIGO Beam Tube Modules
C940125-00-B Larry Jones 2/16/94 TDM 94-01 - PDR Recommendations Agreed to Be Within the Scope of Existing Contract C940126-00-B Larry Jones 6/16/94 Replacement Drawing for Enclosure RFP, for clarity C940127-00-B Larry Jones 6/16/94 ER308L Filler Wire Hydrogen Outgassing Tests Acceptable for Qualification Test and Option Usage C940128-00-B Larry Jones 6/16/94 ER308L Filler Wire Hydrogen Outgassing Tests Acceptable for Qualification Test and Option Usage C940129-00-B Warren A. Carpenter 7/11/94 Meeting Minutes for 5-6 July 1994 re Coupon Outgassing Test Apparatus and Procedures C940130-00-B Marty Tellalian 11/4/94 Vertical Cleaning Station Including Solvent Wash C940131-00-B Marty Tellalian 11/2/194 Estimating Accuracy Range C940132-00-B Larry Jones 10/28/94 Beam Tube Cleaning - Meeting Discussion C940133-00-B Larry Jones 11/2/94 Task Order #94-01 C940135-00-B Larry Jones 11/8/94 Signed Task Order #94-01 and Task Order Progress Report C940136-00-B Marty Tellalian 11/9/94 Signed Task Orders #94-01 and #94-02 for the Cleaning Investigation and Comparison		·		
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C940135-00-B Larry Jones 11/9/94 Signed Task Order #94-01 and Task Order Progress Report C940136-00-B Marty Tellalian 11/9/94 Signed Task Orders #94-01 and #94-02 for the Cleaning Investigation and Comparison		*		
C940136-00-B Marty Tellalian 11/9/94 Signed Task Orders #94-01 and #94-02 for the Cleaning Investigation and Comparison		*		
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C940137-00-B Marty Tellalian 11/23/94 Budget Design and Estimate for a Horizontal Cleaning Station for the Mirachem Wash and Solvent Wash/Rinse		-		
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C940138-00-B Larry Jones 12/8/94 Task Order #94-03	C940138-00-B	Larry Jones		12/8/94 Task Order #94-03

Document No		ContractorDocNo	Doc Dt Full Title
C940139-00-B			12/16/94 Beam Tube Qualification Test Pumpdown Readiness Review Meeting held 14 December 1995
C940140-00-B			6/10/94 Approval of Draft Detailed Design of Priority Components (#2)
C940141-00-B			10/4/94 Approval of Draft Detailed Design of Priority Components (#3)
C940142-00-B	•		11/16/94 Approval of Draft Detailed Design of Priority Components (#4)
C940143-00-P	Sven Svendsen		9/23/94 Proposal and Bid for RFP #YM 193 - Volume I of 3, Technical/Management
C940144-00-P	Sven Svendsen		9/23/94 Proposal and Bid for RFP #YM 193 - Volume 2 of 3, Estimated Labor Rates and Costs
C940145-00-P	Sven Svendsen		9/23/94 Proposal and Bid for RFP #YM 193 - Oral Presentation Graphics
C940146-00-P	Joseph Tarlton		6/10/94 Qualifications to Perform Architect-Engineering and Construction Management Services for LIGO in Response to RFP YM 193
C940147-00-P	Joseph Tarlton		9/23/94 Proposal and Bid for RFP #YM 193 - Volume I, Technical/Management
C940148-00-P	Joseph Tarlton		9/23/94 Proposal and Bid for RFP #YM 193 - Volume II, Cost Proposal
C940149-00-P	Joseph Tarlton		9/23/94 Proposal and Bid for RFP #YM 193 - Oral Presentation Graphics
C940150-00-P	William E. Hall		9/23/94 Proposal and Bid for RFP #YM 193 - Volume I, Technical/Management
C940151-00-P	William E. Hall		9/23/94Proposal and Bid for RFP #YM 193 - Volume II, Cost Proposal
C940152-00-P	William E. Hall		9/23/94Proposal and Bid for RFP #YM 193 - Oral Presentation Graphics
	Irena Petrac		1/19/94Contract Close Out Documents for P.O. PP122193
C940154-00-B			8/4/94 Approval of Project Control Plan Documents
C940155-00-B			3/23/94 Conditional Approval of the Design Qualification Test Plan and Procedures (CBI-BTM003AA1A01)
	Mike T. Gamble		12/12/94High Technology Engineering Services Payment Remittance and Withholding Contractual Provisions
	Mike T. Gamble		12/12/94High Technology Engineering Services Fayment Remittance and Withholding Contractual Flovisions 12/12/94High Technology Engineering Services Fiscal Information, Supplement 1
	Mike T. Gamble		12/10/94High Technology Engineering Services Fiscal Information
	Mike T. Gamble		10/10/94High Technology Engineering Services Fiscal Information 10/10/94High Technology Engineering Services Acquisitions Information
	Mike T. Gamble		9/22/94 High Technology Engineering Services Anticipated Travel Costs
	Florence Gamble		8/23/94 Participation of High Technology Engineering Services on LIGO
	Gary Sanders		8/22/94 Statement of Work for High Technology Engineering Services on LIGO, Rev. O
C940163-00-B	•		2/18/94 Change Order Request for Qualification Test Configuration
C940164-00-B	•		3/31/94 I2R Bakeout of the Qualification Test
C940165-00-B	•		5/18/94 Man-Hours for Baffle Serrations Change Order Request
	Stephen R. Anderson		6/29/94 Installation of Temporary Service at Hanford
C940167-00-O			4/11/94 Methods for Securing Initial Construction Costs for Power
C940168-00-O			5/5/94 Electrical Service Costs - Hanford
C940169-00-O	James W. Sanders		3/29/94 Costs Reliability and Specifications of Power at Hanford
C940170-00-O			4/4/94 Benton REA Estimated Monthly Billing for the Ligo Project
C940171-00-O	Charles L. Dawsey		3/31/94 Ligo Project Proposal
C940172-00-O	Charles L. Dawsey		3/17/94 Intent to Respond to RFP to Provide Electrical Service to Ligo at Hanford
C940173-00-B	Bill Althouse		5/26/94 LIGO Beam Tube Modules Contract, Final Design Review - Review Board Report
C940174-00-B	Marty Tellalian		8/16/94 Expansion Joint Fatigue Testing By Others - LIGO Design and Qualification Test
C940175-02-P	Irena Petrac		2/7/95 Change Order #2 for P.O. PC139071 with Richard Fischer for Performance Period Extension
C940175-06-P	Irena Petrac		9/25/96 Change Order #6 to P.O. PC139071 with Fischer Project Controls - Addition of Engineering Support Services
C940175-07-P	Phil Lindquist		12/17/96 Change Order #7 for P.O. PC139071 with Fischer Project Controls - Addition of CAD Support
C940175-09-P	· · · · · · · · · · · · · · · · · · ·		1/21/97 Change Order #9 for P.O. PC139071 with Triad Project Management Services - Extension of Support Hours
C940176-00-O	· · · · · · · · · · · · · · · · · · ·		5/10/94 Project Labor Agreement for the LIGO at Hanford
C950000-00-U			5/15/96
C950001-00-U	D. M. Hedberg	00010496 (inv. #)	1/26/95 Transmittal of Invoice #00010496, dated 01/03/95 for period ending 12/20/94
	Linda Turner	- ()	2/3/95 Distribution of CDRL Document #CBI-BTM013AA1M9412
	Concepts in Concrete		1/26/95 Transmittal of Invoice #95-03, P.O. PP132372 - Detailed Design and Associated Construction Plan for Precast Construction and Installation of the Beam Tube Enclosure (BTE) for LIGO at Hanford
C950004-00-U			2. 2. 2. 3. 4. 4. 4. 5. 5. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.
C950005-00-U			
	Irena Petrac		1/11/95Procurement for LIGO FDCM - Debriefing of ICF Kaiser (unsuccessful firm)
C950007-00-U			William Control of the Control of th
C950007-00-U			
C950008-00-U			
	Irona Datroa		2/12/05 Addandum #1 to PED #201 (LICO C050051 00 D). Additional Information
C950010-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950011-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950012-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950013-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950014-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
		Ĺ	2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Infornation
C950015-00-I	Irena Petrac		2. 10.00 reaction in 1. 10.11 1. 12.01 (2.100 000001 to 1.) Traditional information

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950016-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950017-00-I	Irena Petrac		2/13/95 Addendum #1 to RFP #201 (LIGO-C950051-00-P) - Additional Information
C950018-A-P			5/18/95 Work Breakdown Structure Dictionary, DRAFT
C950019-00-U			
C950020-00-O	Ara Arman		2/7/95 Submission of Proposal for Oversite and Quality Control for Site Clearing for Aerial Survey in Livingston
-	Irena Petrac		2/10/95 P.O. PP157708 with Telos Information Systems for Administrative Suppport
C950021-01-A			3/20/95 Change Order #1 for P.O. PP157708 with Telos Information Systems
	Osamu Okaniwa		2/6/95 Response to Request for Proposal (RFP) MH-178 for the Vacuum Equipment for the LIGO Project
C950023-00-V			2/9/95 Response to Request for Proposal (RFP) MH 178 for Vacuum Equipment
C950024-00-U			2/7/95 Distribution of CDRL Document #PAR-FDCM002AA1M9501
	Dames & Moore	016-05724 (inv. #)	11/18/94 Invoice for PO PC122193 for Construction Monitoring Services During Grading - Hanford
C950026-00-U	Dames a Medic	010 00124 (1111.11)	11/10/04/INVoice 10/10/10/10/10/10/10/INVOINCE Burning Ordaining Thanhord
	Lockheed Missle and Space	LMSC-X940448P	2/10/95 Proposal for RFP MH-178 for Vacuum Equipment for the LIGO Project
C950027-00-V	-	94110-01 (inv. #)	2/8/95 Invoice #94110-01 from Permit Surveying, Inc. for period 12/14/94/ - 1/25/95
	Dames & Moore	016-05803 (Inv. #)	12/30/94 Invoice for 11/12/94 through 12/23/94
C950029-00-U	Dames & Woore	010-03003 (1117. #)	12/30/34 III/VOICE 101 1 1/ 12/34 III/OUGH 12/23/34
C950030-00-U			
	Linda Turner		2/13/95 Distribution of CDRL Document # PAR-FDCM003AA1A01
	David Latta		2/8/95 Decision to Decline Bidding on RFP #MH 178 - LIGO Vacuum Equipment
	Irena Petrac		2/8/95 Consulting Services Agreement with Katherine Creath, Ph.D, DRAFT
C950035-00-U	Dahart Ca Call		2/3/95 1994 and 1995 Schedule of Fees and Charges
C950036-00-O			· ·
	Prof. Katherine Creath	50440 (in., #)	2/1/95 Response to Consulting Offer with Resume and Publication List
	Woodward-Clyde	56449 (inv. #)	1/27/95 Invoice #56449 for period 12/17/94 through 1/20/95 - Geotechnical Services
	Woodward-Clyde	56193 (inv. #)	1/27/95 Invoice #56193 for period 12/17/94 through 1/20/95 - Geotechnical Services
C950040-00-U		0404004	2/8/95 Beam Tube Material Cost 4/24/95 Beam Tube Material Cost
C950041-00-O		94B406-1 94B406-1	1/31/95 Revised Copies of Bid documents for RFP # KD-203 - LIGO Site Preparation for Aerial Survey at Livingston, dated December 1994
C950041-00-O		940400-1	1/31/95 Revised Copies of Bid documents for RFP # KD-203 - LIGO Site Preparation for Aerial Survey at Livingston, dated December 1994
C950042-00-U	*		2/13/95 Request for RFP KD 203
C950043-00-U	Earl Guidry	05P050 P	2/13/95 Request for RFP KD 203
C950043-00-U C950044-00-U	Earl Guidry G.R. Speer	95B050-P	2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995
C950043-00-U C950044-00-U C950045-00-U	Earl Guidry G.R. Speer JUB Engineers, Inc.	95B050-P 950275 (inv #)	2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94
C950043-00-U C950044-00-U C950045-00-U C950046-00-O	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore		2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203
C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac		2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension
C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P C950047-02-P	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac Irena Petrac		2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension 6/20/96 Change Order #2 for P.O. PC149361 with Katherin Creath for Metrology Services
C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P C950047-02-P C950047-03-P	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac Irena Petrac Irena Petrac		2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension 6/20/96 Change Order #2 for P.O. PC149361 with Katherin Creath for Metrology Services 5/14/97 Change Order #3 for P.O. PC149361 with Katherine Creath
C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P C950047-02-P C950047-03-P C950048-00-P	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac Irena Petrac Irena Petrac		2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension 6/20/96 Change Order #2 for P.O. PC149361 with Katherin Creath for Metrology Services
C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P C950047-02-P C950048-00-P C950049-00-U	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac Irena Petrac Irena Petrac Karen Dowd	950275 (inv #)	2/13/95 Request for RFP KD 203 2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension 6/20/96 Change Order #2 for P.O. PC149361 with Katherin Creath for Metrology Services 5/14/97 Change Order #3 for P.O. PC149361 with Katherine Creath 2/6/95 Request for Proposal (RFP) KD 203 - LIGO Site Preparations for Aerial Survey, Livingston
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C950043-00-U C950044-00-U C950045-00-U C950046-00-O C950047-01-P C950047-03-P C950048-00-P C950049-00-U C950051-00-P C950052-00-P	Earl Guidry G.R. Speer JUB Engineers, Inc. Pat Moore Irena Petrac Irena Petrac Irena Petrac Karen Dowd Mike T. Gamble Karen Dowd Irena Petrac	950275 (inv #)	2/13/95 Pre-bid Meeting and Site Visit in Baton Rouge, LA on February 23, 1995 1/23/95 Invoice #950275 for period through 12/31/94 2/16/95 Request for RFP KD 203 2/6/96 Change Order #1 to P.O. PC149361 with Katherine Creath for Performance Extension 6/20/96 Change Order #2 for P.O. PC149361 with Katherine Creath for Metrology Services 5/14/97 Change Order #3 for P.O. PC149361 with Katherine Creath 2/6/95 Request for Proposal (RFP) KD 203 - LIGO Site Preparations for Aerial Survey, Livingston 2/12/95 Invoice #95-LIGO-03 for period 1/21/95 - 2/12/95 1/27/95 Request for Proposal (RFP) KD 201 - Polishing Technology Demonstration/LIGO Pathfinder Test Masses 2/2/195 Addendum #2 to RFP KD 201 (LIGO-C950051-00-P) - Specification Inconsistency
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Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C950068-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950069-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950070-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950071-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950072-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950073-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950074-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950075-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950076-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950077-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950078-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950079-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-P) - Additional Information
C950080-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950081-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950082-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950083-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950084-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950085-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950086-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950087-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950088-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C960023-00-V) - Additional Information
C950089-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950090-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950091-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950092-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950093-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
C950094-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 for LIGO Vacuum Equipment(LIGO-C950023-00-V) - Additional Information
C950095-00-P	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
-	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
	Karen Dowd		2/2/95 Addendum #2 to RFP MH 178 (LIGO-C950023-00-V) - Additional Information
-	Irena Petrac		2/2/95 Request for NSF Review and Approval for RFP KD 201 (LIGO-C950051-00-P) and RFP YM 199 (LIGO-C940055-00-P)
	Irena Petrac		2/7/95 Request for NSF Review of Change Order #2 for P.O. PC139071 with Richard Fischer
	Karen Dowd		2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950102-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950103-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950104-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950105-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950106-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950107-00-P			2/6/95 RFP KD 203 for LIGO LA Site Preparations for Aerial Survey, Livingston
C950108-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950109-00-P C950110-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston 2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950110-00-P			
C950111-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston 2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950112-00-P			2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston 2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
	Karen Dowd		2/6/95 RFP KD 203 for LIGO Site Preparations for Aerial Survey, Livingston
C950115-00-P			2/2/95 Addendum # 2 for RFP #MH 178 (LIGO-C950023-00-V) - Additional Information
C950116-00-P	Raton Dowu		Electrican in 2 for fact with the (Electrican Auditional Information
C950117-00-U	Stan Whitcomb		2/23/95 ISF Grant Assistance Program Proposal for Collaborative Effort with Moscow State University
-	Irena Petrac		3/9/95 Addendum #1 to RFP YM 199 (LIGO-C940055-00-P) - Clarification of Coating Uniformity Requirements for LIGO Optics
C950119-00-P			2/27/95 Distribution of CDRL Document #PAR-FDCM004AA1A01
C950119-00-P			2/22/95 Invoice #0295076 for month of January 1995
C950120-00-P	Ara Arman	94B315	2/2/95 Conceptual Designs for Pipeline Crossings of the LIGO Embankment
C950121-00-P		94B315	2/2/95 Conceptual Designs for Pipeline Crossings of the LIGO Embankment
	Irena Petrac	3.2010	2/27/95 Document Review Status for CDRL PAR-FDCM003AA1A01 (conditional)
C950122-00-P			2/27/95 Document Review Status for CDRL PAR-FDCM003AA1A01 (conditional)
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Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C950123-00-P	Tyler Jackson	950214-0	2/17/95 Construction Management Plan, Draft, dated 17 February 1995
C950124-00-P	Dr. Chris Walsh		2/27/95 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
C950125-00-O	Hal Amick, PE	P95-LA-034	2/23/95 Proposal for Vibration and Acoustics Consulting for LIGO Project
C950126-00-O	Ara Arman	94B406	2/28/95 Revised Spread Sheet for the Proposed "Oversight" Budget.
C950127-00-O	Robert SeGall		2/17/95 Revised Text for the LIGO Geotechnical Report (C940056-A-O) for Livingston, Louisiana Site
C950127-00-O	Ara Arman		2/17/95 Revised Text for the LIGO Geotechnical Report (C940056-A-O) for Livingston, Louisiana Site
C950128-00-O	Jeff Hermann	950301-0	3/1/95 Letter from Marshall Long Acoustics Caltech's Acoustical Background Levels Review
C950129-00-V	Earl Friese		2/28/95 Status and Near Term Schedule of Major Events for RFP #MH 178 (LIGO-C950023-00-V) for LIGO Vacuum Equipment
C950130-00-O	Tyler Jackson	950306-1	3/6/95 Review comments on the "Conceptual Design for Pipeline Crossings of the LIGO Embankment" by Woodward-Clyde (LIGO-C950121-00-P)
C950131-00-P	Robert Boh		3/3/95 Proposal and bid for RFP #KD 203 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
C950132-00-P	M. Matt Durand		3/2/95 Proposal and bid for RFP #KD 203 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
C950133-00-P	Timothy Mann		3/2/95 Proposal and bid for RFP #KD 203 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
C950134-00-P	Dwight Smith		3/3/95 Proposal and bid for RFP #KD 203 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
C950135-00-P	Rudy Chandler		3/1/95 Decision Not to Bid on RFP #KD 203 (LIGO-C950048-00-P)
C950136-00-O	Tim Melott	950221-1	2/24/95 Vibration and Acoustics Follow-Up Meeting Minutes for 21 February 1995
C950137-00-O	Tyler Jackson	950221-0	2/21/95 Site Recon Briefing Minutes for 21 February 1995
C950138-00-O	Tim Melott	950222-1	2/24/95 Operations Support Building (OSB) Follow-Up Tiger Team Meeting Minutes for 22 February 1995
C950139-00-O	Tyler Jackson		2/28/95 LIGO Project Work Schedule
C950140-00-O	Tyler Jackson		2/24/95 Hanford, WA Trip Report
C950141-00-O	Karl Drobny	PM-950224-0	2/24/95 Livingston, LA Trip Report, 5 -10 February 1995
C950142-00-P	Irena Petrac		2/24/95 Addendum #3 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
C950143-00-P	Irena Petrac		2/24/95 Addendum #3 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
C950144-00-P	Irena Petrac		2/24/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
	Irena Petrac		2/24/95 Addendum #3 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
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	Irena Petrac		2/24/95 Addendum #3 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
	Irena Petrac		2/24/95 Addendum #3 to RFP #KD 201 (LIGO-C950051-00-P) - Proposal Due Date Extension
	Linda Turner	950216-0	3/3/95 Control and Data System Tiger Team Meeting Minutes, REVISION to LIGO-C950065-00-P
	Tyler Jackson	950306-0	3/6/95 Basic Design Criterion for the Access Road to the Livingston LIGO site
	James A. Beard	E-539	3/3/95 Proposal and Bid for RFP #KD 203 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
	James A. Beard	E-539, Rev. 1	3/24/95 Proposal and bid for RFP #KD 203, Revision 1 (LIGO-C950048-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
	Lynne Ebert		3/3/95 Proposal and bid for RFP #KD 203 (LIGO-C950153-00-P) - LIGO Site Preparation for Aerial Survey, Livingston, LA
C950154-00-O	Kanara David		2/17/95 Invoice #58054 for period covered from 12/31/94 through 2/3/95
C950155-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information
C950156-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information
C950157-00-P C950158-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection for Proprietary Information
C950158-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protectin of Proprietary Information
C950159-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information
C950160-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information 3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information
C950161-00-P			3/3/95 Addendum #4 to RFP #KD 201 (LIGO-C950051-00-P) - Protection of Proprietary Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Protection of Proprietary Information
-	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950165-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950168-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950169-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950172-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950175-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950177-00-P			2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950178-00-P	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950179-00-P	Irena Petrac		2/17/95 Addendum #1 to RFP #KD 203 (LIGO-C950048-00-P) - Additional Requirement and Information
C950180-00-B	Larry Jones		3/7/95 Response to Change Order Request - Leak Rate Determination by Air Signature Analysis
C950181-00-B	Marty Tellalian		3/1/95 Qualification Test Cleaning Report (Task Orders #94-1, #94-2, and #95-1)
C950182-00-P			
C950183-00-P			
C950184-00-P			
C950185-00-P			
C950186-00-P			
C950187-00-P			
C950188-00-P	Jav Heefner		3/6/95 Transmittal of Laser Power Stablilization Amplifier schematic D95-0001, rough parts placement diagram, preliminary parts list
C950189-00-P	*		2/10/95 P.O. PP157708 with Telos Information Systems for Linda Turner
C950190-00-P			3/7/95 Transmittal of Final Report of the LIGO Vacuum Equipment Proposal Evaluation for Review and Aapproval
C950191-00-O			2/1/95 Construction Inspection Analysis
C950192-00-O			1/26/95 Quality Control - Blank Form with Specification List
C950193-00-O			2/2/95 Testing and Laboratory Services - Risk Factors and Risk Assessment
C950194-00-O			2/2/95 Shop Certifications and Verifications - Risk Factors and Risk Assessment
C950195-00-O	Tyler Jackson	950203-2	2/3/95 Weekly Activity Report - Week ending 3 February 1995
	Proposal Review Committee		3/7/95 LIGO Vacuum Equipment Proposal Evaluation Report - CALTECH DISCREET
	Source Selection Board		Signature Sheet for the Source Selection Board
C950198-00-P			3/8/95 Decision not to bid on RFP #KD 201 (LIGO-C950051-00-P)
	Source Selection Board		3/10/95 Source Selection Report
C950200-00-P			3/9/95 Acknowledgement of Award to PSI for RFP #MH 178 (LIGO-C940045-00-P)
C950201-00-P			3/9/95 Notification of Selection for RFP #MH 178 - Phase A (Design Competition)
C950202-00-P			3/9/95 Notification of Selection for RFP #MH 178 - Phase A (Design Competition)
C950203-00-P			3/9/95 Notification of Award for RFP #MH 178 (LIGO-C940045-00-P)
C950204-00-P			3/10/95 Distribution of CDRL Document #PAR-FDCM002AA1M9502
	Dr. J. Schulte in den Baumen		3/7/95 Proposal and Bid for RFP #KD 201(LIGO-C950051-00-P)
C950206-00-P			3/1/94 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
C950207-00-P	•		3/6/95 Proposal and Bid for RFP #KD 201 (LIGO-C950207-00-P)
C950208-00-P			2/24/95 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
C950209-00-P			3/8/95 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
	Paul E. Bookmiller		3/7/95 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
C950211-00-P			3/6/95 Proposal and Bid for RFP #KD 201 (LIGO-C950051-00-P)
	Irena Petrac		3/10/95 Caltech Discreet - Source Evaluation Plan for the Vacuum Equipment, Phase B
C950213-00-O	ircha i chac		2/24/95 Invoice #59401 for period 1/21/95 through 2/17/95
C950214-00-O			2/24/95 Invoice #59404 for period 1/21/95 through 2/17/95
	Rachel Quesada		3/10/95 Non-Disclosure Agreement
	Kiyoshi Shimotsuma		3/12/95 Debriefing Request
C950217-00-0	•		2/1/95 Environmental Assessment of the LIGO Facility, FINAL, dated January 1995
C950218-00-P			3/13/95 Change Order #4 to P.O. PP146525
C950219-00-P			3/14/95 Document Review Status for CDRL PAR-FDCM001AA1A01 (conditional)
C950219-00-P			3/14/95 Document Review Status for CDRL PAR-FDCM001AA1A01 (conditional)
C950220-00-P		950310-0	3/10/95 Request for Review Status on CDRL Submittals (Project Control Plan, Construction Management Plan)
C950220-00-P	*	000010-0	3/14/95 P.O PP159096 with Applied Integration Management (AIM) for the LIGO Project Management Control System
C950222-00-P			3/25/97 Change Order #3 to P.O. PC159096 with AIM
C950223-00-V	· ·		3/14/95 Analytical Report on Subsidiary Company, Process Systems International, Inc.
C950224-00-P			3/2/95 3/14/95 MIT Fax Request for Authorization to Purchase Equipment
C950225-00-P	*		3/15/95 P.O. PP159096 for Review and Approval
C950226-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950227-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions 3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950227-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions 3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950229-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions 3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950229-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions 3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950230-00-P			
			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950232-00-P			3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions 3/14/95 Change Order #1 to B O. RD096652 with Brought Repeated Organization for Southered Light Analysis
C950233-01-P	nena renac		3/14/95 Change Order #1 to P.O. PP086652 with Breault Research Organization for Scattered Light Analysis

Document No	Full Name	ContractorDocNo [Ooc Dt Full Title
C950233-02-P	Irena Petrac		2/6/96 Change Order #2 for P.O. PP086652 with Breault Research Organization, Inc. for Performance Extension
C950233-03-P	Tina Lowenthal		4/24/97 Change Order #3 for P.O. PP086652 with Breault Research Organization Inc.
C950233-04-P	Irena Petrac		5/14/97 Change Order #4 for P.O. PP086652 with Breault Research Organization, Inc No Cost Extension of Performance Period
C950234-00-U			
C950235-00-U			
C950236-00-P	Irena Petrac		3/23/95 Change Order #6 and #7 for P.O. PC119673 with J.U.B. Engineers, Inc.
C950237-00-U			
C950238-00-U			
C950239-00-U			
C950240-00-U			
C950241-00-P	Irena Petrac		3/16/95 Addendum #4 for RFP #KD 203 (LIGO-C950048-00-P) - Bid Adjustment for Changed Conditions
C950242-00-O	Fred Asiri		3/16/95 60 % Facility Concept Presentation at Parsons
C950243-00-P	Earl Friese		3/22/95 Review/Approval Cooperative Agreement PHY-9210038
C950244-00-P	Earl Friese		3/20/95 Review/Approval Cooperative Agreement PHY-9210038 (PP161533 & PP161532)
C950245-00-P	Irena Petrac		3/21/95 Transmittal of PO PP161533 for Review and Concurrence Signature and Kickoff Meeting Agenda
C950246-00-P	Irena Petrac		3/21/95 Transmittal of PO PP161532 for Review and Concurrence Signature and Kickoff Meeting Agenda
C950247-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950248-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950249-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950250-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950251-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950252-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950253-00-P	Karen Dowd		3/22/95 Addendum #5 to RFP KD 203 (LIGO-C950048-00-P) - Additional Information
C950254-00-P	Earl Friese		3/24/95 Clarification for Review and Approval of RFP MH 178 (LIGO-C940045-00-P) - Vacuum Equipment
	Tyler Jackson	950324-3	3/24/95 Weekly Activity Report for Week Ending 3/24/95
C950256-00-D	-		
C950257-00-P	· ·		3/23/95 Change Order #1 to P.O. #PP112285 with U.S. Department of Energy, Hanford
	Sharon Brock		3/23/95 Purchase Order/Memo Sample for Hanford
	Tom Starr		3/24/95 Vacuum System Kickoff Meeting - Anticipated Attendees from PSI
	Paul A. LoBello		3/24/95 Vacuum System Kickoff Meeting - Anticipated Attendees from CBI
C950261-00-P			3/27/95 Consulting Services Agreement for Paul Reardon, P.O #PP162623
C950262-00-O			3/28/95 Meeting Minutes for Monthly Status Report, March 23, 1995
C950262-01-O			3/28/95 Meeting Minutes for Monthly Status Report, March 23, 1995, REVISED
C950263-00-M			3/29/95 Will hold in Gary Sanders' office - ADMINISTRATIVE CONFIDENTIAL
C950264-00-D	,	CB00218/LN051726	2/2/96 Progress Payment Against Milestone #2
C950264-00-M			3/29/95 Will hold in Gary Sanders' office - ADMINISTRATIVE CONFIDENTIAL
C950265-00-O		950317-1	3/20/95 Facility 60% Concept Presentation Meeting Minutes, 17 March 1995
C950266-00-B			3/23/95 Updated Budgetary Estimate for Module Leak Testing
C950267-00-B	· ·		3/27/95 Initiation Beam Tube Option Negotiations
C950268-00-B	•		3/27/95 Initiation of Beam Tube Option Negotiations
C950269-00-B			3/24/95 QTR Task List and Beam Tube Enclosure Mock-Up Request for Change
C950270-00-B			3/24/95 Change Order Request for Beam Tube Cover Mock-Up
C950271-00-D	· ·		3/20/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P)
C950272-00-O	·		3/23/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P)
C950273-00-O			3/23/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P)
C950274-00-O			3/24/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P)
C950275-00-O	<u> </u>		3/23/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P) - 90 days of performance
C950276-00-O			3/23/95/Revised Bid for RFP #KD-203 (LIGO-C950048-00-P) - 60 days of performance
C950277-00-B			3/22/95 Updated Budgetary Estimate for Module Cleaning
	Karen Sandberg		3/27/95/NSF Approval for Phase A Competition for LIGO Vacuum Equipment Design Between CBI and PSI
	Sandi Swarthout		3/13/95 Application for Support for Work on an Interferometric Motion Sensor
C950279-00-1		950324-0	3/24/95 Project Coordination Meeting Minutes, 23 March 1995, DRAFT
C950281-00-O	-	950323-0	3/27/95 Operational Support Building (OSB) Concept Planning Review Meeting Minutes, 23 March 1995
C950281-00-O	<u> </u>	950323-0	3/27/95 Operational Support Building (OSB) Concept Planning Review Meeting Minutes, 23 March 1995 3/27/95 Beam Tube Enclosure Meeting Minutes, 27 March 1995
C950282-00-O		950327-0	3/28/95 Recommendations Made by R. Weiss Requiring TDMs
C950284-00-B		330320-0	3/23/95 Request for Change for GPS Testing
C950285-00-B	ivially I clidiali		3/29/95 Revised Request for Change for Data Acquisition

Construction Cons	Document No Full Name	ContractorDocNo Doc Dt Full Title
Section Sect	C950286-00-B Marty Tellalian	3/28/95 Revised Request for Change for Data Acquisition
	C950287-00-B Marty Tellalian	3/28/95 Revised Change Order Request for Data Acquisition
	C950288-00-B Marty Tellalian	3/23/95 Change Order Request for Concrete Material Tests for GPS Alignment Compatibilities
	C950289-00-P Karen Dowd	3/30/95 Notice of Selection for Negotiations and Ssubsequent Award Regarding RFP #KD 201 (LIGO-C950051-00-P)
2008299400 Name Doed 2008 Native of server RP inft 0.007 (1.000-0.0000) 1.000-0.0000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.00000 1.000000 1.000000 1.0000000 1.00000000 1.0000000000	C950290-00-P Karen Dowd	3/30/95 Notice of Selection for Negotiations and Subsequent Award Regarding RFP #KD 201 (LIGO-C950051-00-P)
SOSSIPATION Came Double SOSSIPATION of CAME SOSSIPATION OF	C950291-00-P Karen Dowd	3/30/95 Notice of denied RFP #KD 201 (LIGO-C950051-00-P)
Sexual System Secure Dose	C950292-00-P Karen Dowd	3/30/95 Notice of denied RFP #KD 201 (LIGO-C950051-00-P)
CONTINUE NO. Per No.	C950293-00-P Karen Dowd	3/30/95 Notice of denied RFP #KD 201 (LIGO-C950051-00-P)
Designation O First Asian 1994 2014-00/104 Proceed with Trace Study for the liam's Designation 2014-00/104 2014-00	C950294-00-P Karen Dowd	3/30/95 Notice of denied RFP #KD 201 (LIGO-C950051-00-P)
CREATIVE DO Find form COMMIN 2010 TOUR American of Approvide Cell REP PM 101	C950295-00-P Karen Dowd	3/30/95 Notice of denied RFP #KD 201 (LIGO-C950051-00-P)
Contigues 00 Unite Trumer	C950296-00-O Fred Asiri	950407-0 3/31/95 TDM - Proceed with Trade Study for the Beam Tube Enclosure (BTE) Configuration
1.050000-10.0 1.05000-10.0 1.0	C950297-00-O Fred Asiri	950406-1 3/31/95 TDM - Amendment of Appendix C of RFP YM 193
GRISSIA-100-100-100-100-100-100-100-100-100-10	C950298-00-O Linda Turner	3/24/95 Receipt of CDRL #PAR-FDCM003AA1A02 as a WORKING DRAFT
DESCRIPTION	C950299-00-O Linda Turner	3/30/95 Transmittal of CDRL #PAR-FDCM001AA1B02, Project Control Plan, dated 30 March 1995
CRISTIANS Dec Victor Social S	C950300-00-B Larry Jones	3/31/95 TDM 95-01- Clarification for CDRL Submittals
Septiment Sept	C950301-00-P Ray Yuen	3/29/95 3/29/95 MIT Fax Request for Authorization to Purchase Equipment, letter dated 3/29/95
Section Concession Section S	C950302-00-P Ray Yuen	3/24/95 3/24/95 MIT Fax Request for Authorization to Purchase Equipment, letter dated 3/24/95
CRESSON DEP Mark Savage	C950303-00-P Ray Yuen	3/27/95 3/27/95 MIT Fax Request for Authorization to Purchase Equipment, letter dated 3/24/95
	C950304-00-P Rachel Quesada	3/31/95 Non-Disclosure Agreement for REOI
	C950305-00-P Earl Friese	4/3/95 P.O. #PC162872 for Interferometric Motion Sensor/Australian National University
C890984-0-P Karen Dowd	C950306-00-D Rick Savage	4/3/95 Transmittal of LIGO-T950008-A-E, "Multi-Thin Layer Coating Modeling"
C809310-0-0 Mary Telalisian	C950307-00-P Irena Petrac	4/3/95 Release of PR #PP162519 for LIGO Optics Coating Technology Demonstration
Seption-10-07 Tyer Janeson PM-990331-01 3:31.65 Record of Conversation on 90% Concept Submitted	C950308-00-P Karen Dowd	4/4/95 RFP #JT 214 (LIGO-C950309-00-P) - Optical Design and Analysis/LIGO Optics
	C950309-00-P	4/4/95 RFP #JT 214 (LIGO-C950309-00-P) - Optical Design and Analysis/LIGO Optics
C96912-0-0-16	C950310-00-O Tyler Jackson	PM-950331-0 3/31/95 Record of Conversation on 90% Concept Submittal
1/3/19/Schrowledgement of Receipt of Print Transmittal 1/3/19/Schrowledgement 1/3/19/Schrowledgemen	C950311-00-B Marty Tellalian	1/16/95 Change Order Request for Leak Rate Determination By Air Signature Analysis
1/13/8/Current Schedule and Draft Air Signature Request for Change	C950312-00-B Marty Tellalian	3/14/95 Additional Bake Time and Hyspan Response to 3/10 Conference Call
C365315-00-U	C950313-00-B Larry Jones	1/3/95 Acknowledgement of Receipt of Print Transmittal
C950316-00-P Karen Dowd	C950314-00-B Marty Tellalian	1/12/95 Current Schedule and Draft Air Signature Request for Change
C896317-00-0	C950315-00-U	
C850318-00-P Karen Dowd	C950316-00-P Karen Dowd	4/7/95 Transmittal of PO PP161532 with CBI for Vacuum Equipment Design Competition (Phase A)
C950320-00-P Irena Petrac	C950317-00-O	4/17/95 Closeout Invoice
Page	C950318-00-P Karen Dowd	4/5/95 Transmittal of PO and Contract #PP161533
C950321-00-P John Worden	C950319-00-P Irena Petrac	4/5/95 Transmittal of PO and Contract #PP161532 (Advance and unsigned copy)
C950321-00-P Ed Jasnow 4/7/95 Contract #PP161532 between CIT and CBI for LIGO Vacuum Equipment Design Competition (Phase A) C950322-00-P John Worden 4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A) C950322-00-P Ed Jasnow 4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A) C950323-00-P General Provisions C950325-00-P 3/1/95 Additional General Provisions C950325-00-P Certifications C950325-00-P Certifications C950327-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950327-00-P Deliverable Documentation C950328-00-P Beam Tube Deliverables C950332-00-P Hardware Deliverables C950332-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950332-00-P Earl Friese 4/6/95/Advance copy of PO PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95/Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95/PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-00-P 4	C950320-00-P Irena Petrac	4/5/95 Transmittal of PO and Contract #PP161533 (Advance and unsigned copy)
C950322-00-P John Worden	C950321-00-P John Worden	4/7/95 Contract #PP161532 between CIT and CBI for LIGO Vacuum Equipment Design Competition (Phase A)
C950322-00-P Ed Jasnow 4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A) C950324-00-P General Provisions C950325-00-P Certifications C950325-01-P Certifications C950325-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950325-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950327-00-P Deliverable Documentation C950329-00-P Beam Tube Deliverables C950330-00-P Hardware Deliverables C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Large Scope of Work, Delivery or Performance Schedule, and Price and Payment C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 2/6/96 Change Order # if for P.O. PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950334-00-P 4/7/98 Exhibit I, Statement of Work to PO # PP155642 wit	C950321-00-P Ed Jasnow	4/7/95 Contract #PP161532 between CIT and CBI for LIGO Vacuum Equipment Design Competition (Phase A)
C950323-00-P General Provisions C950325-00-P 3/1/95Additional General Provisions C950325-01-P Certifications C950325-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950326-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950327-00-P Deliverable Documentation C950329-00-P Beam Tube Deliverables C950329-00-P Hardware Deliverables C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950332-00-P Doug Jungwirth 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950333-00-P Irena Petrac 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 Foh # PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/77/95 Exhibit I, Statement of Work to PO # PP155642 <td>C950322-00-P John Worden</td> <td>4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A)</td>	C950322-00-P John Worden	4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A)
C950324-00-P 3/1/95 Additional General Provisions C950325-00-P Certifications C950325-01-P Certifications C950326-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950326-00-P Deliverable Documentation C950328-00-P Beam Tube Deliverables C950329-00-P Hardware Deliverables C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 7214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 (Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642	C950322-00-P Ed Jasnow	4/7/95 Contract #PP161533 between CIT and PSI for LIGO Vacuum Equipment Design Competition (Phase A)
C950325-01-P Certifications C950325-01-P Certifications C950326-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950327-00-P Deliverable Documentation C950328-00-P Beam Tube Deliverables C950329-00-P Hardware Deliverables C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-01-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-01-P Irena Petrac 2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P Exhibit I, Statement of Work to PO # PP155642	C950323-00-P	General Provisions
C950325-01-P C95032F-00-P C95032F-00-P C95032F-00-P C95032F-00-P C95032F-00-P C95032F-00-P C95032F-00-P C95032F-00-P C95033F-00-P C9503F-00-P		3/1/95 Additional General Provisions
C950326-00-P Vacuum Equipment Specification (also LIGO-E940002-01-V) C950327-00-P Deliverable Documentation C950328-00-P Beam Tube Deliverables C950329-00-P Hardware Deliverables C950330-00-P Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Performance Extension C950333-00-P Irena Petrac 2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642		
Deliverable Documentation G950328-00-P G950329-00-P Hardware Deliverables Hardware Deliverables Phase B Scope of Work, Delivery or Performance Schedule, and Price and Payment C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-01-P Irena Petrac 4/7/95 Exhibit I, Statement of Work to PO # PP155642 4/7/95 Exhibit I, Statement of Work to PO # PP155642		
C950328-00-PBeam Tube DeliverablesC950329-00-PHardware DeliverablesC950330-00-PPhase B Scope of Work, Delivery or Performance Schedule, and Price and PaymentC950331-00-PEarl Friese4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. DemoC950332-00-PDoug Jungwirth4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P)C950333-00-PIrena Petrac4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design AnalysisC950333-01-PIrena Petrac2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance ExtensionC950334-00-P4/7/95 Exhibit I, Statement of Work to PO # PP155642		
Hardware Deliverables C950330-00-P C950331-00-P Earl Friese A/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth A/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac A/7/95 PO # PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P C950334-00-P A/7/95 Exhibit I, Statement of Work to PO # PP155642		
C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-01-P Irena Petrac 2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642		Beam Tube Deliverables
C950331-00-P Earl Friese 4/6/95 Advance copy of PO #PP162519 for LIGO Optics Coating Tech. Demo C950332-00-P Doug Jungwirth 4/7/95 Memo to file to recommend issue of RFP # JT 214 (LIGO-C950309-00-P) C950333-00-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-01-P Irena Petrac 2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642		
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C950333-00-P Irena Petrac 4/7/95 PO # PP155642 with Optical Research Associates (ORA) for Optical Design Analysis C950333-01-P Irena Petrac 2/6/96 Change Order #1 for P.O. PP155642 with Optical Research Associates (ORA) for Performance Extension C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642		
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C950334-00-P 4/7/95 Exhibit I, Statement of Work to PO # PP155642		
		4/7/95 Exhibit I, Statement of Work to PO # PP155642
C950335-00-P 4/7/95 P.O. PP155642 and P.O. PP164701, Exhibit III - Technical Direction Memorandum	C950335-00-P	4/7/95 P.O. PP155642 and P.O. PP164701, Exhibit III - Technical Direction Memorandum
C950336-00-P 4/7/95 P.O. PP155642, Rights to Inventions	C950336-00-P	4/7/95 P.O. PP155642, Rights to Inventions
C950337-00-P 4/7/95 P.O. PP155642 and P.O. PP164701, Exhibit VI - Additional Conditions (U.S.)	C950337-00-P	4/7/95 P.O. PP155642 and P.O. PP164701, Exhibit VI - Additional Conditions (U.S.)
C950338-00-V John Worden 4/10/95 TDM 01 - Meeting Schedule	C950338-00-V John Worden	4/10/95 TDM 01 - Meeting Schedule

Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C950339-00-V	John Worden		4/10/95 TDM 02 - Meeting Schedule
C950340-00-V	John Worden		4/10/95 Transmittal of TDM 01
C950341-00-V	John Worden		4/10/95 Transmittal of TDM 02
C950342-00-O	Fred Asiri		4/10/95 Transmittal of TDM 95-03
C950343-00-O		950412-0	4/10/95 TDM 95-03
C950344-00-O		950406-0	4/6/95 Project Status Report Meeting Minutes of 5 April 1995
C950345-00-O	•	000.000	4/10/95 Distribution of CDRL #PAR-FDCM002AA1M9503
C950346-00-B			4/7/95 QTR Agenda Modifications
C950347-00-O		95B050	4/10/95 Contractor Evaluation for Site Clearing for Aerial Survey, RFP #KD 203 (LIGO-C950048-00-P)
C950347-00-O	·	95B050	4/10/95 Contractor Evaluation for Site Clearing for Aerial Survey, RFP #KD 203 (LIGO-C950048-00-P)
C950348-00-O		E-539	4/5/95 Qualification Submittals
C950349-00-P	barres 71. Beard	2 000	4/5/95 Certifications (long form) - Temporary Number
C950350-00-D	Rick Savage		4/11/95 Transmittal of technical note
C950351-00-O	<u> </u>		3/30/95 Drainage Plan with Hydrologic and Hydraulic Report, dated March 1995, FINAL
	Irena Petrac		4/12/95 Information regarding Change Order #10, 12, & 13 for P.O. #PP045667 to NSF
	Irena Petrac		4/12/95
C950352-11-P			6/1/95 Change Order #13 for P.O. PP045667 with MIT - Additional Funding through July 31, 1995
C950352-11-P			7/20/95 Change Order #14 for P.O. PP045667 with MIT
	Irena Petrac		9/29/95MIT Contract Change Order #15, P.O.
	Irena Petrac	PPO45667	1/26/96 Change Order #17 for P.O. PP045667 with MIT - Interim FY 96 Funding
C950352-16-P		PPO45007	4/24/96 Change Order #16 for P.O. PP045667 with MIT 4/24/96 Change Order #16 for P.O. PP045667 with MIT
C950352-10-P		PP045667	5/22/96 Change Order #19 for PPO45667
	Irena Petrac	PP045007	·
			8/16/96 Change Order #20 for P.O. PP045667 with MIT - Work Support for 1 December 1996 through 30 November 1996
C950352-19-P			12/12/96 Change Order #21 for P.O. PP045667 with MIT - Extension of Performance Period through 3/31/97
	Irena Petrac		2/5/97 Backup Documentation of MIT Contract
C950353-00-B	•		4/11/95 TDM 95-01 - taking exception to
C950354-00-B	•		4/11/95 TDM 95-01 - transmittal of response and support technical notes
C950355-00-P			4/14/95 P.O. PP164701 for LIGO Optics Polishing Technology (Hughes Danbury) - Internal Signature Release and Recommendation
C950356-00-D			4/14/95 P.O. PP164701 with HDOS for LIGO Optics Polishing Technology Demonstration
	Irena Petrac		8/9/95 Change Order #1 for P.O. PP164701 with HDOS
C950356-02-D	Irena Petrac		3/7/96 Change Order #2 for P.O. PC164701 with HDOS - Increased Funds for Optics Polishing Technology and to Close Out the Purchase Order
C950357-00-P			4/14/95 P.O. PP164702, Exhibit I - Statement of Work
C950358-00-P			4/14/95 P.O. PP164702, Exhibit II - Hughes Danbury Proposal (P-1947)
	Irena Petrac		4/12/95 "Rights to Inventions" Exhibit and Additional Conditions for Advance Review
C950360-00-P	=		4/14/95 Additional Conditions (International Contractors)
C950361-00-P			4/14/95 Distribution of CDRL #PAR-FDCM004AA1A01
C950362-00-P			4/14/95 Distribution of CDRL #PAR-FDCM004AA2A01
C950363-00-P			4/14/95 Distribution of CDRL #PAR-FDCM004AA4A01
C950364-00-P	Linda Turner		4/14/95 Distribution of CDRL #PAR-FDCM004AA5X01
C950365-00-P			4/7/95 P.O. PP164701, Rights to Inventions
C950366-00-O	•	PM-950411-0	4/11/95 Record of Conversation re. BTE Trade Study Schedule and Estimate
	Tyler Jackson	PM-950407-0	4/7/95 Record of Conversation re. Calculations for Transient Environments
C950368-00-B	,		4/11/95 To inform that CBI takes exception to TDM #95-01 items for DRD #04
C950369-00-P			4/21/95 High Technology Engineering Servives (HTES), P.O. PP146525/NSF Approval
C950370-00-P			4/19/95 Suggestions for P.O. PC157708 - Telos Information Systems
C950371-00-P			4/10/95 Review and Approval of Proposed Subcontract to REO for LIGO Detector Core Optics Development (P.O. PP162519)
C950372-00-P			4/10/95 Request for Review and Approval of P.O. PC162872 with the Australian National University (ANU) for Development & Performance Verification of an Interferometric Motion Sensor
C950373-00-P	Rachel Quesada		3/31/95 Revised Non-disclosure Agreement with REO Authorized Signature
C950374-00-O	Tyler Jackson	950407-1	4/7/95 Computer Integrated Engineering Implementation Plan, DRAFT
C950375-00-O	G.R. Speer	95B050	4/12/95 Clarification of Ratings on the Completed Contractor Bid Review (LIGO-C950347-00-O) for RFP KD 203
C950375-00-O	Ara Arman	95B050	4/12/95 Clarification of Ratings on the Completed Contractor Bid Review (LIGO-C950347-00-O) for RFP KD 203
C950376-00-V	Tom Starr		4/19/95 Request for Clarification - Specification Figure 8 (Drawing 1101009, Beam Split Chamber)
C950377-00-B	Linda Turner		4/14/95 Distribution of CDRL #PAR-FDCM004AA3A01
C950378-00-V	John Worden		4/20/95 Update #1 Meeting Agenda for 28 April 1995
C950379-00-P	John Worden		4/20/95 Update #1 Meeting Agenda for 28 April 1995
C950380-00-P	Irena Petrac		4/13/95 P.O. #PP164620 with Acentech Inc. for Vibration Attenuation Support
C950381-00-P			4/20/95 Transmittal of Section - 1 "Incorporated In All Purchase Orders"
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950382-00-O		- Contractor Doorto	4/21/95 Transmittal of TDM #95-04
C950383-00-O		950421-1	4/20/95 TDM #95-04 - Proceed with Preliminary Design of the Rough Grading for the Livingston Site
	Linda Turner	0001211	4/17/95 Distribution of CDRL #CBI-BTM010AA1X01-1 (Items I & II, Drd #5)
C950385-00-P	Linda Turner		4/21/95 Distribution of CDRL #CBI-BTM010AA1X01-2, Item IV (Administrative Confidential)
-	Ara Arman	95B050	4/19/95 Clarification of T. L. James Bid for RFP KD 203 - Site Clearing
C950386-00-O		95B050	4/19/95 Clarification of T. L. James Bid for RFP KD 203 - Site Clearing
C950387-00-O		002000	4/21/95 Distribution of CDRL #PAR-FDCM004AA3A02
	John Worden		4/21/95
	John Worden		4/21/95
	Irena Petrac		4/21/95 Transmittal of LIGO-C950369-00-P and LIGO-C950370-00-P
	Mike T. Gamble		3/13/95 Statement of Work - Seismic Isolation Stack Optimization
C950392-00-O			4/21/95 TDM 95-05; LIGO-L950238 supersedes related information provided in RFP YM193, Appendix A
	Linda Turner		4/21/95 Transmittal of TDM 95-05
C950394-00-V	William Murphy		4/20/95 Acknowledgement Copy of PO PP161533 and Signed Contract Document
	William Tyler		4/14/95 LIGO Project Gas Purge Welding Incident
C950396-00-P	Irena Petrac		4/24/95 Sole Source Justification for Change Order #2 for PO PP112285 for EPICS software support
C950397-00-P	Irena Petrac		4/22/95 Subcontract for Optics Polishing Technology Demonstration/Legal Review (HDOS)
	Paul Reardon		4/13/95 General questions for P.O. PP162623
	Paul A. LoBello		4/21/95 Contract Acceptance Letter, DRAFT, for provision of comments
	Joan Boughan		4/11/95 Authorization to Purchase Equipment PP045667 (Rai Weiss)
	Paul A. LoBello		4/21/95 Questions raised for subject contract PP161532
C950402-00-P	Irena Petrac		4/26/95 Land Clearing Bid Evaluation Report - DISCREET
C950403-00-P			4/26/95 Attachment B-1 to Land Clearing Bid Evaluation Report - Form letters used for RFP #KD 203
C950404-00-P			Attachment C-1 to Land Clearing Bid Evaluation Report - Bid Comparison for all Submitters
C950405-00-P			Attachment C-2 to Land Clearing Bid Evaluation Report - Bid Comparison Summary
C950406-00-P			Attachment D-1 to Land Clearing Bid Evaluation Report - Bid Comparison 60/90 days
C950407-00-P			Attachment D-2 to Land Clearing Bid Evaluation Report - Bid Comparison 60/90 days Summary
C950408-00-P			Attachment D-3 to Land Clearing Bid Evaluation Report - Comparison of Re-Bid 60 Day
C950409-00-P			Attachment E-1 to Land Clearing Bid Evaluation Report - Woodward-Clyde Bid Review
C950410-00-P			Attachment E-2 to Land Clearing Bid Evaluation Report - Woodward-Clyde Bid Review (Revised)
C950411-00-P			Attachment F to Land Clearing Bid Evaluation Report - Selection of Site Contractor
C950412-00-P			Attachment G to Land Clearing Bid Evaluation Report - Revised Bid Form from James Industrial Contractors, Inc.
C950413-00-P			Attachment A to Land Clearing Bid Evaluation Report - Mailing List for RFP #KD 203
C950414-00-P			Attachment B-2 to Land Clearing Bid Evaluation Report - Form letters used for RFP #KD 203
	Larry Jones		4/27/95 Task Order 95-02 - GPS/Concrete Testing
C950416-00-V	John Worden		4/24/95 Vacuum Equipment Controls and the Phase A Contractors
C950416-00-V	Mike Zucker		4/24/95 Vacuum Equipment Controls and the Phase A Contractors
C950417-00-O			4/26/95 Trade Study Decisions from 25 April Meeting - (Support for TDM 95-06)
C950418-00-O	_	950505-0	4/26/95 TDM 95-06; Proceed with Trade Studies and Cost Reductions
C950419-00-O			4/27/95PO #PP161533 for LIGO Vacuum Equipment Design Competition (Phase A)/Clarification
C950420-00-P			4/27/95 Request for review and approval of PO #PP164701 for LIGO Optics Polishing Technology Demonstration
· · · · · · · · · · · · · · · · · · ·	Irena Petrac		4/27/95 Advise on request for incorporation (partial attachment: LIGO-C950323-00-P)
C950422-00-O	Fred Asiri		4/28/95 Transmittal of TDM 95-06
	Tyler Jackson	950428-0	4/28/95 Rejection of TDM 95-05
C950424-00-O	Tyler Jackson	PM-950426-0	4/26/95 Record of Conversation with Mike Bullard (Benton REA) on 26 April 1995 re. Site Power Supply - Hanford
C950425-00-O	•	950428-2	5/1/95 Weekly Activity Report, Week Ending 4/28/95
C950426-00-P	Karen Dowd		5/1/95 Acceptance/Award for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
	Karen Dowd		5/1/95 Denial for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
C950428-00-P	Karen Dowd		5/1/95 Denial for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
	Karen Dowd		5/1/95 Denial for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
	Karen Dowd		5/1/95 Denial for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
	Karen Dowd		5/1/95 Denial for Proposal in Response to RFP #KD 203 (LIGO-C950048-00-P)
	Ed Jasnow		5/1/95 Change Order #3 to Contract C146, Beam Tube Module (LIGO-C930002-00-B)
	John Worden		5/2/95 Update 1 Meeting Minutes
	John Worden		5/2/95 Update 1 Meeting Minutes
C950435-00-P			5/2/95P.O. #PP155642
C950436-00-P	Irena Petrac		5/3/95 P.O. #PP166240 with T.L. James Industrial Contractors, Inc Land Clearing, LIGO Site, Livingston
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950436-02-P	1	Contractor Docteo	11/28/95 Change Order #2 for P.O. PP166240 with T. L. James Industrial Contractors, Inc to Cover Performance Bond
C950436-03-P			2/6/96 Change Order #3 to P.O. PP166240 with T.L. James Industrial Contractors, Inc Raise Contract Value for Extra Work
C950437-00-P	Ed Jashow		5/5/95 Specifications for LIGO Site Preparation for Aerial Survey, Livingston, LA (RFP #KD 203)
C950438-00-P			5/5/95 Additional Provisions (Articles 1-24) in support of P.O. #PP166240
C950439-00-P			5/5/95 Certifications for P.O. #PP166240
C950440-00-P	Irona Potrac		5/5/95 P.O. #PP166239 - Specialized Technical & Managerial Support, LIGO Site, Hanford, WA
C950440-01-P			8/26/96 Change Order 1 for P.O. PP166239 with James Curtis - Extension of Services Until 11/30/1997
C950441-00-P			5/20/90 Change Order 1 for P.O. PP 100239 with James Curus - Extension of Services Ortal 11/30/1997 5/1/95 Distribution of CDRL #PAR-FDCM004AB1A01
C950442-00-B			5/4/95 Signed copy of Task Order #95-02 for the GPS/Concrete Testing
C950443-00-D	-	PM-950421-0	4/21/95 Quick Start Construction-FY 95
	•		
C950444-00-O		950419-0	4/25/95 Pipeline Meeting with Shell, Meeting Minutes for 19 April 1995
C950445-00-O	-		4/20/95 Concept Review Presentation Meeting Minutes
C950446-00-O	•		4/24/95 Bid and Award Process for BTE at Hanford and Rough Grading at Livingston
C950447-00-O			4/25/95 Attendees for 20 April 1995 Requirements Update Meeting #1
C950448-00-V			5/5/95 P.O. #PP161533 for LIGO Vacuum Equipment Design Competition (Phase A)/Clarification
C950449-00-P			4/13/95 System Questions of Beam Tube Qualification and Subsequent Acquisition Strategy
C950450-00-P			4/13/95 System Questions on Polishing Technology Demonstration/LIGO Pathfinder Test Masses (LIGO-C950051-00-P)
C950451-00-P	'		4/24/95 Certificate of Insurance for Diamond E. Trucking, Inc.
	James A. Beard		4/19/95 Revised Proposal, Revision 3 for RFP #KD-203 (LIGO-C950048-00-P)
C950453-00-B	,		4/25/95 Change Order Request for Beam Tube Test Section Preparation and Shipment to Caltech
C950454-00-P			5/5/95 Transmittal of P.O. #PP166240 for Review and Approval
C950455-00-D			5/8/95 P.O. #PP161533 for LIGO Vacuum Equipment Design Competition (Phase A)/Clarification
C950456-00-U			5/8/95 Transmittal of Requisition/P.O. #PP164701 (LIGO-C950356)
C950457-00-O		950510-0	5/8/95 TDM 95-07; BTE Constructability Study
C950458-00-P			5/9/95 Notification of NSF of Current Status and Plans/HTES Contract #PP146525
C950459-00-B			5/8/95 Non-Escort Privilege and Inspection Right Statement
C950460-00-P			5/10/95 Distribution of CDRL #PAR-FDCM002AA1M9504
C950461-00-O	leff Hermann	950501-0	5/1/95 Response to and Requested Clarifications for TDM 95-06
C950462-00-O	Tyler Jackson	950501-0	4/28/95 Minutes for Project Coordination Meeting of 28 April 1995
C950462-00-O C950463-00-O	Tyler Jackson Tyler Jackson		4/28/95 Minutes for Project Coordination Meeting of 28 April 1995 5/4/95 Minutes for Vibration and Acoustic Requirements Meeting of 4 May 1995
C950462-00-O C950463-00-O C950464-00-P	Tyler Jackson Tyler Jackson Karen Sandberg	950501-0	4/28/95 Minutes for Project Coordination Meeting of 28 April 1995 5/4/95 Minutes for Vibration and Acoustic Requirements Meeting of 4 May 1995 5/4/95 NSF Approval for P.O. PP157708 (Telos), P.O. PC162872 (Australian Nat'l Univ.), and P.O. PP162519 (REO)
C950462-00-O C950463-00-O C950464-00-P C950465-00-P	Tyler Jackson Tyler Jackson Karen Sandberg Earl Friese	950501-0	4/28/95 Minutes for Project Coordination Meeting of 28 April 1995 5/4/95 Minutes for Vibration and Acoustic Requirements Meeting of 4 May 1995 5/4/95 NSF Approval for P.O. PP157708 (Telos), P.O. PC162872 (Australian Nat'l Univ.), and P.O. PP162519 (REO) 5/8/95 Request for approval of P.O. #PP166240 (T.I. James Industrial Constructors, Inc.)
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Document No	Full Name	ontractorDocNo Doc Dt Full Title	
C950490-00-E			or Optics Polishing Technology Demonstration
C950490-01-E			7159 with CSIRO - Changes Location of "Certification" Meeting
C950490-02-E		4/22/96 Change Order #2 for P.O. PC1	
C950491-00-O		50516-0 5/16/95 Project LIGO Schedule annotation	
C950492-00-P	,	•	rmation on Land Clearing Site Proposal from T.L. James Industrial Contractors, Inc.
C950493-00-O		7649101A 5/15/95 Request for additional administr	
C950494-00-P		•	g Demo. attachment (done before LT/RT LIGO # coordination)
C950494-01-P		6/29/95 Change Order #1 for P.O. PC1	· · · · · · · · · · · · · · · · · · ·
C950494-02-P		9/29/95 Change Order #1 to P.O. PC16	
C950494-03-I			2519 with REOI - Extension of Performance Period
C950495-00-I		Ţ.	mit 2 copies of PO, one to be signed and returned to CIT
C950496-00-B			esign - Master Document List for Exhibit III for KD-215
C950496-01-B	-	6/22/95 Beam Tube Modules Master De	•
C950496-02-B	-	11/14/95 Updated Beam Tube Modules	
C950496-03-B		12/4/95 Updated Beam Tube Modules	<u> </u>
C950496-06-B	•	1/23/97 Beam Tube Modules Detailed I	<u> </u>
C950497-00-B	Larry Jones	5/23/95 Project Safety Manual	esign - Master Document List
C950497-00-B		5/23/95 Quality Assurance Manual	
C950498-05-B	lim C. Jardan	•	NSI/ASQC Standard Q9001, Revision 5
C950498-06-B		-	
C950498-06-B C950499-02-B	СЫ	-	NSI/ASQC Standard Q9001, Revision 6, dated 4 June 1997
		5/23/95 Planned Approach to Leak Tes	•
C950500-01-B			and Cleaning Maintenance for LIGO Project
C950501-01-B		5/23/95 Material Traceability	
C950502-00-B		5/23/95 Environmental Plan	
C950503-00-B		5/23/95 Affirmative Action Program	
C950504-00-B		5/23/95 Hanford Livingston Summary B	
C950505-00-B		5/23/95 Hanford Mobilization Logic Cha	
C950506-00-B		5/23/95 Beam Tube Module Logic Char	
C950507-00-B		5/23/95 Hanford Final Inspection & Tes	<u>· · · </u>
C950508-00-B		5/23/95 Detailed Hanford Schedule Act	•
C950509-00-B		5/23/95 Detailed Livingston Schedule A	XIVITY LIST
C950510-00-B		5/23/95 Management Responsibility	
C950511-00-B		5/23/95 Quality System	
C950512-00-B		5/23/95 Quality Plan	
C950513-00-B		5/23/95 Contract QAP's	
C950514-00-B		6/23/95 Pre-Contract Review	
C950515-00-B		5/23/95 Post-Award Review	Metros Dominitarios and Dominitarios and Dominitarios
C950516-00-B			Written Requisitions and Procurement Specifications
C950517-00-B		5/23/95 Document Control	
C950518-00-B		<u> </u>	Written Requisitions and Procurement Specifications
C950519-00-B		5/23/95 CBI Standards	
C950520-00-B		5/23/95 Contract QA Documents	
C950521-00-B		5/23/95 Customer Drawings	
C950522-00-B		5/23/95 Purchase Orders	
C950523-00-B		5/23/95 Vendor Survey	
C950524-00-B		5/23/95 Vendor Assignment & Surveilla	
C950525-00-B		5/23/95 Receipt of Customer Supplied	Taterial Taterial
C950526-00-B		5/23/95 Material Control	
C950527-00-B		5/23/95 Process Control	
C950528-00-B		5/23/95 Welding Control	
C950529-00-B		5/23/95 Heat Treating	
C950530-00-B		5/23/95 Miscellaneous Process Control	
C950531-00-B		5/23/95 Receiving Inspection	
C950532-00-B		5/23/95 NDE, Inspection and Testing	
C950533-00-B		5/23/95 Final Inspection	
C950534-00-B		5/23/95 Calibration	
C950535-00-B		5/23/95 Inspection and Test Status	

Document No Full Name	ContractorDocNo	Dog Dt. Full Title
C950536-00-B	ContractorDocNo	5/23/95 Nonconformities
С950536-00-В С950537-00-В		5/23/95 Noncomormities 5/23/95 Corrective Action
C950537-00-B C950538-00-B		
С950539-00-В С950539-00-В		5/23/95 Handling, Storage, Packaging and Shipping
		5/23/95 Quality Records
C950540-00-B		5/23/95 Internal Auditing
C950541-00-B		5/23/95 Training
C950542-00-I		5/18/95 P.O. #PC162872 with Australia National University for Interferometric Motion Sensor
C950543-00-l Irena Petrac	D00007	5/23/95 Transmittal of PO #PC162872 with Australian National University for Interferometric Motion Sensor
C950544-00-V Tom Starr	B30027	5/25/95 Request for Clarifications
C950545-00-O Irena Petrac		5/24/95 Recommended Language for the Response to NSF letter of May 19, 1995 (to your attention)/LIGO Louisiana Site Clearing and Grubbing
C950546-00-V Ed Jasnow		5/25/95 Request for Clarification - Vacuum Equipment (LIGO-C950322-00-V), FAX dated 23 May 1995
C950547-00-V Ed Jasnow		5/24/95 Request for Clarification
C950548-00-B Ed Jasnow		5/24/95 Notice to Exercise Option - Transmittal of RFP #KD-215 (LIGO-C950476-00-B), LIGO Beam Tube Fabrication and Installation
C950549-00-B Larry Jones		Modifications Required for Beam Tube Detailed Design
C950550-00-B Linda Turner		5/22/95 Distribution of CDRL # CBI-BTM004AC1C02-1
C950551-00-B Linda Turner		5/22/95 Distribution of CDRL # CBI-BTM004AC1C02-2
C950552-00-O Linda Turner		5/22/95 Distribution of CDRL #PAR-FDCM010AA1X01
C950553-00-O Tyler Jackson	950519-1	5/19/95 Budget level estimates for pipeline crossing options 1 and 2 for Livingston site
C950554-00-O Tyler Jackson	950519-0	5/19/95 Order for aerial photography of Livingston, LA area
C950555-00-O Tyler Jackson		5/11/95 Minutes of Facility Trade Study Coordination Meeting of 11 May 1995
C950556-00-O Tyler Jackson		5/5/95 Minutes of Project Coordination Meeting of 5 May 1995
C950557-00-O Tyler Jackson	PM-950515-0	5/15/95 Record of Phone Conversation re: Hanford Support Services
C950558-00-O Paul MacCalden	PM-950517-0	5/16/95 Record of Phone Conversation re: LVEA Technical Foundation Concept
C950559-00-V J. Lombardo		5/25/95 Request for fully executed copy of Phase A contract and further questions about contract
C950560-00-P Irena Petrac		5/26/95 Ltr. to transmit PO #157708, Change Order 1, a copy, and "Statement of Support" for the PO Linda, do you have a LIGO #
C950561-00-P Irena Petrac		5/30/95 Suspension and Suspension Noise for LIGO Test Masses/Funding (Moscow State University)
C950562-00-B Ralph Kelley		5/24/95 LIGO Project Gas Purge Welding Incident
C950563-00-V John Worden		5/26/95 Vacuum Equipment Phase A - Vibration
C950564-00-V John Worden		5/26/95 Vacuum Equipment Phase A - Vibration
C950564-00-V John Worden C950565-00-V Ed Jasnow		5/26/95 Vacuum Equipment Phase A - Vibration 5/26/95 Ltr. Responding to Fax dated May 16, 1995
C950564-00-V John Worden C950565-00-V Ed Jasnow C950566-00-V Ed Jasnow		5/26/95 Vacuum Equipment Phase A - Vibration 5/26/95 Ltr. Responding to Fax dated May 16, 1995 5/26/95 Ltr. Responding to Fax dated May 16, 1995
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C950564-00-V John Worden C950565-00-V Ed Jasnow C950566-00-V Ed Jasnow C950567-00-P Irena Petrac C950568-00-B Linda Turner		5/26/95 Vacuum Equipment Phase A - Vibration 5/26/95 Ltr. Responding to Fax dated May 16, 1995 5/26/95 Ltr. Responding to Fax dated May 16, 1995 5/26/95 LIGO Optics/Metrology Support - Third Party Verification 5/26/95 Distribution of CDRL #PAR-FDCM010AC1A01
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Document No Full Name	ContractorDocNo	Doc Dt Full Title
C950587-04-P Irena Petrac		10/6/95 Change Order #4 to P.O. PC157708 with Telos Corporation
C950587-05-P Irena Petrac		10/25/95 Change Order #5 to P.O. PC157708 with Telos Information Systems - Increase in Level of Support
C950587-06-P Irena Petrac		11/30/95 Change Order #6 to P.O. PC 157708
C950587-07-P Irena Petrac		3/14/96 Change Order #7 for P.O. PC157708 with Telos - Extends Period of Performance through 30 November 1996
C950587-08-P Irena Petrac		4/25/96 Change Order #8 to P.O. PC157708 with Telos Information Systems - Addition of Valerie Beasley
C950587-09-P Irena Petrac		6/26/96 Change Order #9 for P.O. PC157708 with Telos Information Systems
C950587-10-P Irena Petrac		8/13/96 Change Order No. 10 to P.O. PC157708 with Telos Information Systems - Increasing Contractor Provided Technical and Administrative Support.
C950587-11-P Irena Petrac		9/27/96 Change Order #11 to P.O. PC157708 with Telos - Additional Contractual Support
C950587-12-P Irena Petrac		1/10/97 Change Order #12 for P.O. PC157708 with Telos Corporation
C950587-13-U Irena Petrac		3/5/97 Change Order #13 for P.O. PC157708 with Telos Information Systems
C950587-14-P Irena Petrac		4/29/97 Change Order #14 for P.O. PC157708 with Telos Information Systems
C950587-15-P Irena Petrac		4/29/97 Change Order #15 for P.O. PC157708 with Telos Information Systems
C950588-00-D		6/8/95 Exhibit I - List of Vendors - Attachment to HDOS P.O. # 164701 (LIGO-C950356-00-P)
C950589-00-O Keith Coleman		6/8/95 Acknowledgement Copy, fully executed for P.O. PP166240
C950590-00-V Paul A. LoBello		6/8/95 LIGO Vacuum Equipment, Phase A
C950591-00-V John Worden		6/8/95 Vacuum Equipment, Phase A - List of Technical Material
C950592-00-O Tyler Jackson	950605-0	6/5/95 Client Project Assessment and Data Sheet
C950593-00-O Tim Melott	950602-0	6/2/95 OSB Layout Meeting Minutes for 2 June 1995
C950594-00-O Tyler Jackson	PM-950605-0	6/5/95 Record of Telephone Conversation with Asiri/Hermann/Melott regarding BTE and Facilities Decisions
C950595-00-O Fred Asiri	950609-1	6/9/95 TDM #09 - Guidelines for completion of the BTE Preliminary Design
C950596-00-O Fred Asiri	950608-0	6/5/95 TDM- #08- Proceed with the Completion of the 100% Facility Concept Design based on new guidelines
C950597-00-O Tyler Jackson		6/9/95 IOC Review of TDM #05
	950609-0	
C950598-00-O Tyler Jackson	950609-0	6/9/95 Review of Vibration Requirements for LIGO Facilities
C950599-00-O Fred Asiri		6/13/95 Transmittal of CBI documentation (drawings and procedures)
C950600-00-D Irena Petrac		6/14/95 Review and Approval of P.O. PP167159 with CSIRO for Optics Polishing Technology Demonstration (LIGO-C950490-00-E)
C950601-00-D Irena Petrac		6/15/95 Transmittal of PO #PP167159 (LIGO-C950490-00-E) for review & approval - Optics Polishing Technology Demonstration
C950602-00-P Irena Petrac		6/15/95 Suggested lettter to NSF re. Review and Approval for Contract #PP164701 (LIGO-C950356-00-P) and justification
C950603-00-O Tyler Jackson	950614-0	6/14/95 Completion of Final Concept Meeting Minutes for 14 June 1995
C950604-00-O Tyler Jackson	950612-0	6/12/95 Beam Tube Enclosure, Basis of Design, Working Draft, dated 9 June 1995
C950604-00-O Tyler Jackson C950605-00-O Tyler Jackson	950612-0 950609-1	6/12/95 Beam Tube Enclosure, Basis of Design, Working Draft, dated 9 June 1995 6/9/95 Final Concept Cost Estimate Meeting Minutes for 9 June 1995
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950631-00-I	Irena Petrac		6/28/95 Advance copy of Change Order 1 for P.O. PP162519 with REOI
C950632-00-P	Irena Petrac		6/28/95
C950633-00-P	Linda Turner		6/29/95 Incomplete Signature Copy of P.O. PC162519 (LIGO-C950494-00-I)
C950634-00-B	Ed Jasnow		6/29/95 Addendum #2 for RFP KD 215 - Itemized List of Needed Changes to the Detailed Design
C950635-00-P	Juliann McCrandall	OPT052395-04124	6/19/95 Transmittal of Signed copy of P.O. PC162519 (LIGO-C950494-00-I)
C950636-00-D	Garilynn Billingsley		6/28/95 Serial Number for LIGO Pathfinder Optic Being Polished at REOI
C950637-00-B			6/15/95 Required Changes for Detailed Design, DRAFT
C950638-00-P	·		6/30/95 Change Order #4 to P.O. PP146525 for Concurrence
C950639-00-I	Doug Jungwirth		6/19/95 Proposed Plan for the Metrology I Task for the Pathfinder Process
	Yolande Middleton	950630-1	6/30/95 LIGO Project Facilities Concept
C950641-00-P	Sandi Swarthout		6/21/95
C950642-00-O	Jeff Herrman	950522-0	5/23/95 Response to TDM 95-07 and Addendum to CDRL 10, DRD 4
C950643-00-O	Larry Campbell		5/25/95 Certificate of Completion for P.O. PC119673 with Selland Construction, Inc.
C950644-00-O	· ·		5/19/95 LIGO Rough Grading Final Report for Contract Closeout
C950645-00-P	Mike Harrington	WR 120	3/1/95 Quotation from Perkin Elmer and Collaboration Proposal in Association with Transcription Factor Research Center
C950646-00-P	Irena Petrac		7/6/95 Review of Change Order #4 for P.O. PP146525 with High Technology Engineering Services (HTES)
C950647-00-P	Eleanor Griffin		7/6/95 Underwriting Questions
C950648-00-B	Paul A. LoBello		7/7/95 Advance Copy of Clarifications and Exceptions to the General Provisions and Additional General Provisions Included in Proposal for RFP KD 215 (LIGO-C950476-00-B)
C950649-00-O	John Kelly		7/7/95 Review of Rough Grading Preliminary Design Report - Livingston
C950650-00-O	,	950629-0	6/29/95 Minutes of Meeting re Hanford Site Vist, 29 June 1995
C950651-00-O		9500630-0	6/30/95Bid Package Coordination Meeting Minutes, 30 June 1995
C950652-00-O	Ara Arman		7/10/95 Update of Livingston Land Clearing
C950653-00-V	Ed Jasnow		7/10/95 Test Mass Chambers (TMC) to be Replaced by Beam Splitter Chambers (BSC)
C950654-00-V	Ed Jasnow		7/10/95 Test Mass Chambers (TMC) to be Replaced by Beam Splitter Chambers (BSC)
C950655-00-O	John Kelly	92185	7/11/95 Review of Rough Grading Preliminary Design Report; Check Effect of Profile Change on Earthwork Quantities
C950666-00-V	Richard Bagley		
C950667-00-P	Linda Turner		7/12/95 Distribution of CDRL #PSI-VE001AA1A01-ADD
C950668-00-O	Richard Fischer		7/12/95 Addition of LSU to Caltech's Insurance Coverage
C950669-00-P	Ray Yuen		7/12/95 7/12/95 MIT Fax Rquest for Foreign Travel Approval
C950670-00-O	Linda Turner		7/12/95
C950671-00-V	Paul A. LoBello		7/13/95
C950672-00-B	Larry Jones		7/13/95 Address Change and Task Order 95-03 for QT Module Vacuum Maintenance and Testing
C950674-00-P	Irena Petrac		7/13/95
C950675-00-U	Irena Petrac		7/14/95
C950676-00-U	Irena Petrac		7/14/95
C950677-00-O	Tim Melott	PM-950713-0	7/13/95 Record of Telephone Conversation with Fred Asiri re. Rough Grading, Livingston
C950678-00-O	John Kelly	92185	7/14/95 Review of Rough Grading Preliminary Design Report; Study of Optimum Freeboard Criteria - Livingston
C950679-00-D	Ramin Lalezari		7/17/95 Minutes for 2 June 1995 Kick-off Meeting at REOI
C950680-00-M	Robert Hawthorne, Esq.	12982-0	6/21/95 State Tax Issue - Livingston
C950681-00-M	Robert Hawthorne, Esq.	12982-0	6/28/95 Memorandum of Lease Describing LIGO Project Site - Livingston
C950682-00-M	Robert Hawthorne, Esq.	B0192303	6/28/95 State Tax Issues - Livingston
C950683-00-M	Graham H. Fernald, Esq.		6/30/95 Summary of Tax-Related Issues and Options for Organizing and Operating for Tax Considerations - Hanford Site
C950684-00-P	Irena Petrac		7/18/95 Suggested letter for transmittal of P.O. #PP045667, Change Order 14
C950685-00-P			7/18/95 LIGO Insurance Meeting of 17 July 1995 with Voller, Savage & Associates
C950686-00-P	Ed Holmes		7/18/95 Interest in bidding for LIGO Project in Livingston
C950687-00-O	Tyler Jackson		7/18/95 Minutes of Weekly Coordination Meeting Kickoff
C950688-00-D	Jean Siomkos	CD-JMS-2565	7/17/95 Request for Rent-Free Use of AXAF Equipment
C950689-00-D	Jean Siomkos	CD-JMS-2566	7/18/95 Transmittal of acknowledgement copy of P.O. PC164701 with HDOS
C950690-00-P			7/20/95 Latest input from CSIRO for proposal changes
C950691-00-P			7/20/95 Alternate Wording for Extension of P.O. PC139071 for Richard Fischer
C950692-00-P	Irena Petrac		7/20/95 Request for Rent-Free AXAF Equipment for HDOS
C950693-00-O	Arthur Theis		7/13/95 H&H Report Regarding theFreeboard for the Embankment Elevation, Livingston
C950694-00-O	Rex Jordan		7/20/95 Fire Hydrant Information, Hanford
C950695-00-V	K. Johnson		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
C950695-00-V	Mike Zucker		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
C950695-00-V	Ed Jasnow		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
C950695-00-V	Allen Sibley		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950695-00-V	John Worden		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
C950695-00-V	Mark Coles		7/19/95 Vacuum Equipment, Phase B Proposal Evaluation Report - CALTECH DISCREET
C950696-00-P	W. Kent Higgins, President		7/18/95 Fixed Price Quotation to Modify PSI's Fixed Price Proposal (CDRL 03)
C950697-00-P	Anthony Favaloro		7/20/95 Budget Allocation Explanation and Indirect Rates
C950698-00-O	Tyler Jackson	950714-0	7/14/95 Construction Bid Documents Meeting Minutes for 13 July 1995
C950699-00-O	•		7/5/95 Area of Wall Absorbing Panels - Calculations on Reverberation Times
C950700-00-P	Ramin Lalezari		7/24/95 Project Status Meeting Minutes for 20 July 1995
C950702-00-O			7/25/95 TDM 95-10 - Authorization to Proceed with Phase-B Detailed Design Task
C950703-00-B			7/21/95 Proposal and Bid for RFP KD 215, Beam Tube Modules Fabrication and Installation
C950704-00-P	Stefanie Malkenhorst		7/25/95 Shipping OPTI CAL Component to Sydney, Australia
C950705-00-O	Tyler Jackson	950720-1	7/20/95 Phase B Final Design Forecast
C950706-00-P	Earl Friese		7/20/95 Approval of Subcontract & Change Orders to HTES
C950707-00-P	Earl Friese		7/19/95 Approval of Chg Order 1 for AIM
C950708-00-D	Irena Petrac		7/27/95 Recommended letter for approval of CSIRO P.O. #PP167159 - Optic Polishing
C950709-00-O	Fred Asiri		7/28/95 TDM 95-11 - Authorization to Proceed with Completion of Preliminary Design of the BTE Based on Attached Interface Drawings
C950710-00-O	John Kelly		7/19/95 Review of 100% Facility Concept Design by Parsons - Hanford and Livingston
C950710-00-O	Paul Weickert		7/19/95 Review of 100% Facility Concept Design by Parsons - Hanford and Livingston
C950711-00-O	Tyler Jackson	950724-0	7/24/95 Weekly Coordination Meeting Minutes for 24 July 1995
C950712-00-O	•	950717-0	7/17/95 Weekly Coordination Kickoff Meeting Minutes for 17 July 1995
C950713-00-P	•		7/28/95 Supplementary Proposal for RFP KD 215 - Beam Tube Modules, Fabrication and Installation - Incorporation of Module Insulation, Bakeout, and Acceptance Testing
	Richard Mc Clearen	GP54B-95-313	7/27/95 Rent-Free, Non-Interference Use of AXAF/MSFC Property
C950715-00-V	John Worden		7/31/95 Transmittal of Draft Vacuum Equipment Specification, Revision 2
C950716-00-O	Verdi Adam		7/25/95 LIGO Project Construction Inspection Services
C950717-00-O	Otto Matherny		7/31/95 Transmittal of D950100-00-D and D950101-C-D
C950718-00-D	Ramin Lalezari		7/25/95 Transparencies/Presentation of 20 July 1995 Meeting with REOI
C950719-00-V	John Worden		7/31/95 Transmittal of Parsons 100% Concept Design
C950720-00-P	Irena Petrac		7/31/95 AXAF/MSFC property
C950721-00-D	Andreas Nonnenmacher		8/1/95 Preliminary Agenda for Meeting with HDOS on 3 August 1995
C950722-00-B	Larry Jones		8/1/95 Beam Tube Proposal Evaluation
C950723-00-V	John Worden		8/1/95 Summary of Vacuum Equipment Specification, Rev. 2
C950724-00-V	John Worden		8/1/95 Insulation Supplier Information
C950725-00-V	John Worden		8/3/95 Sketch and Contact for Avalab Super-Insulation
C950726-00-V	John Worden		8/3/95 Beam Tube Anchor Concept
C950727-00-V	John Worden		8/4/95 Sketch Clarifications for Corner Station and Small Roots Pump
C950728-00-V	John Worden		8/11/95 Agenda for Vacuum Equipment Meeting, 16 August 1995
C950729-00-V	John Worden		9/18/95 Questions re Valve and Beam Tube Termination
C950730-00-V	John Worden		10/5/95 PDR Update Action Items - Unedited
C950731-00-V	John Worden		10/15/95 Vacuum Equipment Agreements and Commitments with PSI
C950732-00-V	John Worden		10/15/95 Technical Information Memorandum (TIM) - Request for Quotes
C950733-00-V	Tom Starr		8/1/95 Specification Revision Questions
C950734-00-D	Jean Siomkos	CD-JMS-2574	8/1/95 LIGO Mirror Blank
C950735-00-B	Larry Jones		7/26/95 Initial Evaluation of CBI Proposal
C950736-00-P			8/1/95 Proposal for Services of Peggy Simpson, P.O. #PP157708
C950737-00-O			8/1/95 TDM 95-12, Proceed with Completion of Final Design for Rough Grading, LA
C950738-00-V	Tom Starr		8/2/95 Telephone conference regarding Specification Revisions on 1 August 1995
C950739-00-V			8/3/95 Notification of non-Selection for Phase B
C950740-00-V	Ed Jasnow		8/3/95 Notification of Selection for Phase B, Vacuum Equipment
C950741-00-O	*	950728-1	7/28/95 Construction Bid Documents - Meeting Minutes for 28 July 1995
C950742-00-O			7/27/95 Phase B Programatic Kick-Off Meeting Minutes for 27 July 1995
C950743-00-O		950728-2	7/28/95 Depth of Exterior Walls - Meeting Minutes for 28 July 1995
C950744-00-O			7/31/95 Minutes for Weekly Coordination Meeting of 31 July 1995
C950745-00-O	*	950801-1	7/31/95 Construction Bid Documents - Meeting Minutes for 31 July 1995
C950746-00-O		950731-0	7/31/95 Work Plan for Phase B and Rejection of TDM 95-10
C950747-00-O	*	950801-0	8/1/95 Rejection of TDM 95-11
C950748-00-O	Bruce Etzel		8/4/95 Electrical Service Cost Scenarios, Hanford
C950749-00-P			8/4/95 Proposal Revisions for RFP KD 215
C950750-00-B	Ed Jasnow		8/4/95 Request for Pricing for Fabrication/Installation of Baffles per Drawing
			

Document No	Full Name	ContractorDocNo D	Dog Dt - Full Title
C950751-00-O		ContractorDocino D	8/2/95 Proposal to LIGO for Electrical Power Service
		CD IMC 0570	
C950752-00-P		CD-JMS-2578	8/8/95 Request for Rent Free Use of Calibration Flats
C950753-00-D			8/8/95 Meeting Minutes and Presentation Materials of 3 August 1995
C950754-00-B	,		8/7/95 Task Orders #95-02 and #95-03
C950754-00-O			8/9/95 Livingston Site Rough Grading Contract Preparation for Bidders/Advertisement
	Richard S. Neuman	050007.0	8/9/95 Scope of Work and Cost Estimate for Pipe Replacement and Recoat for LIGO Encroachment, Livingston
C950756-00-O	*	950807-2	8/7/95 Acceptance & Signature for TDM 95-12 and updated table for grading analysis
C950757-00-O		950802-0	8/7/95 Electrical Scope Meeting Minutes of 2 August 1995
C950758-00-O		950801-2	8/7/95 Meeting Minutes of Tabletop Review of the Concept Approval Drawings, 1 August 1995
C950759-00-O	*		8/9/95 Safety Research Plan and Estimate
C950760-00-O			8/9/95 CIT/Parsons Weekly Meeting Minutes for 8 August 1995
C950761-00-O			8/10/95 Proposed Design and Cost for LIGO Crossing
C950762-00-O	,		8/10/95 Revised Bid and Award Task Plan for Rough Grading and BTE - Livingston
C950763-00-O		050007.0	8/10/95 Parson's Baseline Man-hour Budget for Phase B
C950764-00-O	·	950807-0	8/8/95 Weekly Coordination Meeting Minutes for 7 August 1995
C950765-00-O	*	PM-950808-0	8/8/95 Record of Telephone Conversation re Davis Bacon Wage Determination Data
C950766-00-O	,	950708-0	7/8/95 Scope of Work (SOW) for Spot Elevation Survey - Livingston
C950767-00-O	*	950707-0	7/8/95 Minutes of Concept Estimate Preissue Review on 7 July 1995
C950768-00-O		950630-1	7/6/95 Hanford Services Interface Meeting Minutes for 30 June 1995
C950769-00-P			8/11/95 Confirmation of Meeting and Attendees for 16 August 1995
C950770-00-P			8/10/95 Distribution of CDRL PAR-FDCM010AB1B03 and PAR-FDCM010AB2B03
	George H. Stokes	050000 0	8/8/95 Request to Expedite Invoice Processing
C950772-00-O	,	950803-0	8/3/95 Transmittal of AutoCAD Files
C950773-00-O	·	950811-0	8/11/95 Minutes of Technology Analysis Plans Meeting on 10 August 1995
	Garilynn Billingsley		8/14/95 Return of Coating Samples, Closure of Action Item #6
C950775-00-0		950808-0	8/10/95 Minutes for Beam Tube Enclosure Meeting - Emergency Egresses & General Safety, 8 August 1995
C950776-00-O			8/9/95 Storm Water Discharge Permit, P.O. PP092591
C950777-00-V			7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B
C950777-00-V			7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B
C950777-00-V	*		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B
C950777-00-V			
00-0	Dr. Paul C. Jennings		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B
C950777-00-V	Sandy Pool		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B
C950778-00-O	Sandy Pool Arthur Theis		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B 8/15/95 LIGO Contract Fund Modifications for P.O. PP092591
C950778-00-O C950779-00-O	Sandy Pool Arthur Theis Fred Asiri		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B 8/15/95 LIGO Contract Fund Modifications for P.O. PP092591 8/15/95 Revised Bid and Award Task Plan for Rough Grading and Hanford BTE
C950778-00-O C950779-00-O C950780-00-V	Sandy Pool Arthur Theis Fred Asiri W. Kent Higgins, President		7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B 8/15/95 LIGO Contract Fund Modifications for P.O. PP092591 8/15/95 Revised Bid and Award Task Plan for Rough Grading and Hanford BTE 8/15/95 LIGO Change Order - Revised Firm Fixed Price Quotation for Proposal (CDRL 03)
C950778-00-O C950779-00-O C950780-00-V C950781-00-D	Sandy Pool Arthur Theis Fred Asiri W. Kent Higgins, President Jean Siomkos	CD-JMS-2581	7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B 8/15/95 LIGO Contract Fund Modifications for P.O. PP092591 8/15/95 Revised Bid and Award Task Plan for Rough Grading and Hanford BTE 8/15/95 LIGO Change Order - Revised Firm Fixed Price Quotation for Proposal (CDRL 03) 8/15/95 LIGO Weekly Status Report, Week Ending 11 August 1995
C950778-00-O C950779-00-O C950780-00-V C950781-00-D C950782-00-O	Sandy Pool Arthur Theis Fred Asiri W. Kent Higgins, President Jean Siomkos Linda Turner	CD-JMS-2581	7/29/95 Signature Sheet and Souce Selection Report for Vacuum Equipment, Phase B 8/15/95 LIGO Contract Fund Modifications for P.O. PP092591 8/15/95 Revised Bid and Award Task Plan for Rough Grading and Hanford BTE 8/15/95 LIGO Change Order - Revised Firm Fixed Price Quotation for Proposal (CDRL 03) 8/15/95 LIGO Weekly Status Report, Week Ending 11 August 1995 8/16/95 Distribution of CDRL PAR-FDCM005AA1A01
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C950803-00-D		CONTRACTOR DOCINO	8/18/95 Signed P.O. PP155642 with Optical Research Associates
C950803-00-D			8/21/95 Contract for Vacuum Equipment with PSI, P.O. PC175730
C950804-00-V			11/1/95 Change Order #1 for P.O. PC175730 with PSI - Incorporation of Technical Changes
C950804-01-V			12/11/95 Change Order #3 to Contract # PC175730 vitin 31 incorporation of Technical Changes 12/11/95 Change Order #3 to Contract # PC175730 to Provide for Gate Valves
C950804-03-V			2/8/96 Change Order #4 for P.O. PC175730 with PSI for Incorporation of Technical Changes
C950804-04-V			10/8/96 Change Order #6 to P.O. PC175730 with PSI - Incorporation of Change Order Request #19
C950804-00-V			2/19/97 Change Order #7 for P.O. PC175730 with Process Systems International
C950804-07-V			5/9/97 Change Order #8 to P.O. PC175730 with PISI
C950804-09-V			6/5/97 Change Order #9 for P.O. PC175730 with Process Systems International, Inc. (PSI) - Addition of Field Labor Classifications
C950804-09-V			7/29/97 Change Order #10 for P.O. PC175730 with PSI to Incorporate PSI Change Order Request #27 - Additional Vacuum Pumping Equipment for Louisiana Site
C950805-00-O			8/17/95 Electrical Power Cost Estimates
C950805-00-O			8/16/95 Pay Request #2 for T.L. James Industrial Contractors for Site Preparation
C950807-00-D	·		8/21/95 Estimate for Tasks and a Partial Layout of the Tilt Table
	Dr. Harry H. Bauer		8/22/95 IBS Coatings Uniformity
C950809-00-V	,		8/21/95 LIGO Vacuum Equipment Progress Payments Schedule
C950809-00-V			8/22/95 Conditional Approval of CDRL PAR-FDCM010AB1B03
C950811-00-O			8/22/95 LIGO Acceptance of Proposal for Ground Surveying, Livingston
C950812-00-O			8/23/95 Power Requirements at LIGO Site - Hanford
	·		8/23/95 Power Requirements for LIGO SITE - Hanford
C950813-00-O C950814-00-O	·		
C950815-00-O		050004.0	8/23/95 Lightning Protection and Proposal Request
	•	950821-0	8/21/95 Beam Tube Enclosure Safety and Number of Emergency Exits
C950816-00-O C950817-00-O		950816-0 950822-1	8/23/95 Livingston Rough Grading Final Design Review Meeting Minutes, 8/16&18/95
	David Hasenauer	950622-1	8/21/95 Minutes of Meeting re Construction Bid Documents, 21 August 1995 8/23/95 LIGO Layouts
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C950819-00-O			8/21/95 Caltech/Parsons Meeting Minutes, 21 August 1995
C950820-00-P		050000 0	8/24/95 Change Order
C950821-00-O C950822-00-V	•	950822-0	8/21/95 Weekly Coordination Meeting Minutes of 21 August 1995 8/24/95 Review Comments from PSI on SOW (LIGO-C950330-00-P)
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C950823-00-P C950824-00-O C950825-00-P C950826-00-O C950827-00-O C950829-00-O C950830-00-O C950831-00-O	Irena Petrac Christine Vige Sandy Pool Tim Melott Fred Asiri Fred Asiri Tyler Jackson Fred Asiri Fred Asiri		8/24/95 Request to Bid for Proposed Rough Grading Contract in Livingston, LA 8/28/95 Close-Out of P.O. PP146525 between Caltech and High Technology Engineering Services, Inc. 8/28/95 LVEA Layout Meeting Minutes for 23 August 1995 8/29/95 Review of CDRL Rough Grading Contractor's Bid Package 8/29/95 Rough Grading for Hydrological/Drainage Compliance Review 8/23/95 Minutes for Meeting re Construction Bid Documents 8/31/95 TDM 95-13, RE:Authorizes completion of BTE 9/6/95 CALTECH/PARSONS WEEKLY MEETING MINUTES FOR 5 September 1995
C950823-00-P C950824-00-O C950825-00-P C950826-00-O C950827-00-O C950828-00-O C950829-00-O C950831-00-O C950832-00-P	Irena Petrac Christine Vige Sandy Pool Tim Melott Fred Asiri Fred Asiri Tyler Jackson Fred Asiri Fred Asiri Ed Jasnow	950907-0	8/24/95 Request to Bid for Proposed Rough Grading Contract in Livingston, LA 8/28/95 Close-Out of P.O. PP146525 between Caltech and High Technology Engineering Services, Inc. 8/23/95 LVEA Layout Meeting Minutes for 23 August 1995 8/29/95 Review of CDRL Rough Grading Contractor's Bid Package 8/29/95 Rough Grading for Hydrological/Drainage Compliance Review 8/23/95 Minutes for Meeting re Construction Bid Documents 8/31/95 TDM 95-13, RE:Authorizes completion of BTE 9/6/95 CALTECH/PARSONS WEEKLY MEETING MINUTES FOR 5 September 1995 9/1/95 Proposed Contract for Vacuum Equipment (LIGO-C950804-00-V)
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Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C950852-00-V			9/11/95 Comments on Vacuum Equipment Contract (LIGO-C950804-00-V)
C950853-00-E	* *		9/11/95 Comments for Update to Requirements Definition Worksheet
C950853-01-E			9/19/95 Updated Requirements Definition Worksheet
C950854-00-O			9/11/95 Standard Load Information Request
C950855-00-B			9/12/95 Tasks Remaining for QT Module
	James A. Beard		9/12/95 Bid Clarification Questions
C950857-00-O			9/11/95 Bid Clarification Questions from Various Contractors
C950858-00-B	•		8/31/95 Contract C146, Option - Proposal Revisions, RFP KD 215
C950859-00-O		950912-0	9/12/95 Ambient PSD Analysis for Technical Foundation at Hanford Site - LVEA, Mid-Station, and End-Station
C950860-00-O		000012 0	9/8/95 Pre-Bid Questions
C950861-00-O			9/11/95 Pre-Bid Questions
	Rodney Pennock		9/11/95 Pre-Bid Questions
C950863-00-O	•		9/11/95 Pre-Bid Questions
C950864-00-O	,		9/11/95 Application for Bidding Package for Rough Grading, Livingston
C950865-00-P			9/6/95 MIT Fax Request for Authorization to Purchase Equipment
C950866-00-V	-		9/6/95 PDR Update Meeting Agenda
C950867-00-O	* *		9/6/95 Application to Bid on Rough Grading, Livingston
C950868-00-O		95-010	9/6/95 Proposal for Grounding and Shielding Support Contract
C950869-00-O		93-010	9/6/95 Statement of Work for the Geotechnical Field Monitoring and Testing of the Rough Grading Construction, Livingston
C950809-00-O			9/6/95 Statement of Work for the Additional Geotechnical Testing for the Design of the LIGO Site, Livingston
C950870-00-O			9/6/95 Statement of Work for the Field Settlement Survey of the Rough Grading Construction of the LIGO Site, Livingston
C950871-00-O			9/6/95 SOWs for Survey and Geotechnical at Livingston
C950873-00-O			9/12/95 Section of Uniform Building Code that Address Criteria for Exiting of Beam Tube Enclosure
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C950874-00-O	•	950905-0	9/5/95 List of Required Permits, Reviews, Authorizations and Notifications for Rough Grading and Facility Construction
	James Anderson		9/5/95 Quotation for Installation of Fiber Optic Cables
C950876-00-O			8/30/95 LIGO Beam Tube Construction Contract - Bake-Out Power
C950877-00-P	,		8/31/95 MIT Fax Request for Authorization to Purchase Equipment
	David Mc Williams		8/31/95 Ultimate Pressure Requirements
C950879-00-O		M 0005 (DEL !!)	8/30/95 Adjustments to Submitted Proposal
C950880-00-O		M-0025 (RFI #)	8/31/95 Request for Information (RFI) Sample Form
	Staret (Joe) Courville		9/12/95 Pre-Bid Questions
C950882-00-B C950883-00-D			9/11/95 Additional Testing Cost Estimate
C950883-00-D C950884-00-B			9/6/95 Layout for the Tilt Stage
C950885-00-D	,	CD-JMS-2587	9/8/95 Tube Termination Support Concepts 9/11/95 Program Status Report, Period ending 6 September 1995
		CD-JIVIS-2587	
C950886-00-O			9/13/95 Comments on Statement of Work for Field Monitoring
C950887-00-O			9/13/95 Louisiana Standard Specifications for Roads and Bridges with Comments
C950888-00-D			8/4/95 Notification of Intent to Subcontract to CSIRO for a Polishing Technology Demonstration
	Karen Sandberg		8/4/95 Approval of Subcontract with High Technology Engineering Services (HTES)
	Karen Sandberg		8/4/95 Approval of Change Order 1 for Subcontract with Applied Integration Management (AIM) for Support of PMCS
	Karen Sandberg		8/11/95 Approval for Change Order 3 of Contract with Fischer Project Controls in Support of PMCS
C950892-00-V			9/13/95 Proposed Contract for Vacuum Equipment (LIGO-C950804-00-V)
C950893-00-B	David Mc Williams		9/13/95 Contract C-146, Option - Proposal Revisions
		CD IMC OFOC	9/13/95 PDR Update Agenda 0/13/95 LCO Program Status Bonort through 13 September 1005
C950895-00-D		CD-JMS-2588	9/12/95 LIGO Program Status Report through 12 September 1995
C950896-00-O			8/28/95 1995 Settlement HSSA Wage Data
C950897-00-V			9/13/95 Proposed Contract for Vacuum Equipment (LIGO-C950804-00-V)
C950898-00-O	•		9/13/95 Transmittal of full-size drawings to bidding contractors for Rough Grading - Livingston
C950898-00-V	John Worden		11/16/95 Vacuum Loads on the LVEA Slab
C950899-00-O	-	050044.5	8/30/95 Livingston Rough Grading Bid Package, Project Manual Contract Set - P.O. JL 221, October 1995
C950899-01-O	•	950914-0	9/14/95 Addendum No. 1 for Rough Grading Bid Package
C950900-00-P			1/19/95 High Technology Engineering Services Fiscal Information, Revision 2
C950901-00-P			1/11/95 High Technology Engineering Services Purchase Requisition Negotiation
00=	INJUKA T Camble	1	1/9/95 High Technology Engineering Services Fiscal Information, Revision 1
C950902-00-P			
C950903-00-U	Rich Abbott		9/13/95
	Rich Abbott Karen Dowd		9/13/95 1/18/95 P.O. PC150969 with Parsons and Concurrance Signatures 9/14/95 Request for Rent-Free Use of Government Equipment

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Document No Full Name	ContractorDocNo	Doc Dt Full Title
C950906-00-O Tyler Jackson	950911-0	9/11/95 Weekly Coordination Meeting of 11 September 1995
C950907-00-O Richard Price		9/14/95 Pre-Bid Questions
C950908-00-P Karen Sandberg		9/14/95 Approval from NSF for the MIT Work and Cost Plan
C950909-00-B Marty Tellalian	14160 (inv. #)	8/16/95 Technology Development Partial Payment Invoice
C950910-00-M Sandy Pool	1403737 (inv. #)	9/11/95 Billing for Legal Services from Perkins Coie
C950911-00-O Tyler Jackson	950913-0	9/13/95 Construction Management Plan
C950912-00-O Tyler Jackson		9/15/95 Transmittal of Addendum No. 1 to Invitation to Bid (IFB) JL 221 - Rough Grading in LA
C950912-00-O Ed Jasnow		9/15/95 Transmittal of Addendum No. 1 to Invitation to Bid (IFB) JL 221 - Rough Grading in LA
C950913-00-D A. Leistner		9/15/95 Drawings of Mirror Holder Mark 2 Mechanical Assembly for Review
C950914-00-O Arthur Theis		9/15/95 Rough Grading Plan Review for Compliance with Hydrologic and Hydraulic Study
C950915-00-D Garilynn Billingsley		9/15/95 Action Items #4, 6, 8 and 9 Responses
C950916-00-O Tyler Jackson	950912-0	9/13/95 Minutes of Meeting re Rough Grading Bid Addendum held 12 September 1995
C950917-00-O Fred Asiri	0000.20	9/14/95 Caltech/Parsons Weekly Meeting Minutes for 11 September 1995
C950918-00-O Otto Matherny		9/18/95 Notification of Selection to Provide Electric Service at LA Site
C950919-00-V Richard Bagley		9/18/95/Kick-Off Meeting Agenda for 20 September 1995, DRAFT
C950920-00-P William O. Miller		9/15/95 SIS Program Plan, Phase 1 - DRAFT
C950921-00-B Marty Tellalian		9/18/95 Change Order Request for Additional LIGO Beam Tube Qualification Testing
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C950922-00-B Marty Tellalian		9/18/95 Additional LIGO Beam Tube Qualification Testing and Support Bracket Calculations
C950923-00-P Jean Siomkos		9/18/95 Non-Disclosure Agreement for HDOS
C950924-00-M Joe Hoffman		9/18/95 Due Diligence Review Information
C950925-00-E Jeff Hermann		9/18/95 Question re Structural Analysis Adjustment (D950029-Rev 3)
C950926-00-B Paul A. LoBello		9/18/95 C-146, Option - Proposal Revisions
C950927-00-D Garilynn Billingsley		9/19/95 Drawing Exception
C950928-00-D Garilynn Billingsley		9/19/95 CSIRO Metrology Mount Sketch
C950929-00-B Paul A. LoBello		9/19/95 RFP KD 215 Proposal Revisions re Electrical Equipment and Associated Costs
C950930-00-D Lorraine Simonof	50935	9/19/95 Quotation for Guide Rods
C950931-00-P Irena Petrac		9/19/95
COFOCO O Mark Danner		9/19/95 Analyses for Electrical Power to LA LIGO Facility
C950932-00-O Mark Bonner		67-16-06-1-16-1-16-1-16-1-16-1-16-1-16-1
C950933-00-O Tyler Jackson	950918-0	9/18/95 Trip Report - John Blasius to Livingston on 9/7-8/95
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Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C950961-00-M	Karen Sandberg		9/14/95NSF Approval of Subcontract for Vacuum Equipment with PSI
C950962-00-M	Karen Sandberg		9/14/95NSF Approval for FY95 MIT Work and Cost Plans
C950963-00-O	_		9/25/95 Request for Bidder/Contractor Awarded Rough Grading Contract
C950964-00-O	Jeff Hermann	PM-950922-0	9/22/95 Design Direction for Laser Power and Cooling Loads
C950965-00-P			9/25/95 Performance of Seismic Measurements for LIGO Site at Livingston
C950966-00-O	Jeff Hermann		9/22/95 DCCD Cost Additions for Sinks, Hose Bibs and Eyewash Showers
C950967-00-O			9/21/95 LIGO Project Dehumidification Proposal
	Tyler Jackson	950922-0	9/22/95 DCCD Additional Costs and LVEA Drainage Concerns
C950969-00-P	*		9/1/95 Resubmittal of Proposed Contract for Vacuum Equipment (LIGO-C950804-00-V)
C950970-00-D		CD-JMS-2593	9/22/95 Approval/Concurrance Requested for Changes to Fiducial Line Width
C950971-00-O		950925-2	9/25/95 Proposed solution for Bridging Gap Between LVEA Slab and Footings
C950972-00-O		000020 2	9/26/95 Existing Buildings - Realtors
C950973-00-B	•		9/18/95 Additional Beam Tube Qualification Testing & Support Bracket Calculations
C950974-00-P	•	OSP #76481	1/12/95 Supplement to P.O. PP045667 for Additional Funding
C950975-00-O		001 1110401	9/25/95 Company Information for Construction Services
C950976-00-D		79881	9/26/95 Quotation for High Profile Double Flash Strobe Light from McMaster-Carr
C950977-00-D		7 300 1	9/27/95 Equipment Location Key for Ambient Vibration Analysis
	Tim Melott		9/21/95 Equipment Location Key for Ambient Vibration Analysis
C950978-00-O		BNW #24827	9/26/95 Proposal to Conduct Field Measurements and Analysis on the LIGO Seismic Noise Spectrum at the Louisiana Site
C950979-00-O		DINVV #24021	9/27/95
			9/6/95 System Requirements Review Meeting Minutes for 5-6 September 1995
C950981-00-D			
C950982-00-O	*		9/20/95 Engineer's Estimate for IFB JL221 for Livingston Rough Grading 9/27/95 Phone Conversation Follow-up
	Garilynn Billingsley		· · · · · · · · · · · · · · · · · · ·
C950984-00-V			9/28/95 Distribution of CDRL PSI-VEB001AA1A01
C950985-00-V			9/28/95 Distribution of CDRL PSI-VEB002AA1A01
C950986-00-P			9/26/95 Transmittal of Signed Contract #PC175730 with request for Amendment
C950987-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950988-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950989-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950990-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950991-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
	Ted Moulard		9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950993-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950994-00-O			9/26/95 Bid in Response to IFB JL221 for Rough Grading in Livingston
C950995-00-D			9/29/95 Weekly Status Report
C950996-00-B			9/29/95 Beam Tube Fabrication and Installation Contract Clarification
C950997-00-B			9/29/95 Comments on General Provisions
C950998-00-B			9/29/95 LIGO Beam Tube Module Fabrication and Installation, Final Caltech Position
C950999-00-O			9/26/95 Meeting with LIGO on 21 September 1995 re Issues of Electrical Services
C951000-00-P			9/29/95 Non-Disclosure Agreement with HDOS, Revised
C951001-00-O			9/29/95 Progress of LIGO Surveys - Profiles, Livingston
C951002-00-O			9/29/95 Beam Tube Enclosure (BTE) Basis of Design - Section 2.2 Describing Code Analysis for Existing Provisions of the Beam Tube Enclosure (BTE)
C951003-00-D	-	CIT2	9/28/95 Quotation for Recommended Computer Software
C951004-00-V	<u> </u>		9/28/95 LIGO Vacuum Equipment PDR Agenda and Attendees for 2 October 1995
	National Instruments	Q52008	9/27/95 Quotation for LabVIEW Application Builder
C951006-00-D		95-146	9/27/95 Quotation from Lightwave Electronics Corp.
C951007-00-D			9/29/95 Gravitational Wave Detector Prototype Compressed Air System
C951008-00-P	Linda Turner		10/2/95 Distribution of CDRL PAR-FDCM002AA1M9508
C951009-00-V	Joan Collins	995017/995016	10/3/95 PSI Invoices for Milestones #1, #2, and #4 (Phase B)
C951010-00-O	Tyler Jackson		10/3/95 Dun & Bradstreet Business Information Report on Stranco, Inc.
C951011-00-D	Garilynn Billingsley		10/3/95 TDM 95-003, Exception to Drawing D950020
C951012-00-V	Mike Zucker		9/29/95 Clarification of ICD Schedule and Selected Interferometer/VE Interface Issues
C951013-00-D	Doug Jungwirth		10/5/95 TDM 95-01 for Layout of IFO Beams
C951014-00-V	Karen Sandberg		9/20/95 Revised Approval of Vacuum Equipment Subcontract with PSI
C951015-00-D	Andreas Nonnenmacher		10/5/95 Cost/Manhour Summary and Metrology Flow Chart
C951016-00-P	Sandy Pool		10/5/95 Invoice for Legal Services by Kean, Miller, Hawthorne (KMH) dated 31 August 1995
C951017-00-P	Sandy Pool		9/29/95 Invoice for Legal Services for Perkins Coie dated 22 September 1995
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951018-00-V	Ed Jasnow		10/5/95 Clarification of Capabilities for Beam Tube Module (KD 215, LIGO-C950476-00-P)
C951019-00-B	Don Roberts		9/21/95 Tubes on Barge Question
C951020-00-O	Tim Melott		10/4/95 Statement of Work (SOW) for the Additional Geotechnical Testing for the Design of the LIGO Site - Livingston
C951021-00-D	Steve Bulleit		10/2/95 Information on Scroll Compressors
C951022-00-O	Doug Barab		10/3/95 Equipment Drawing and Dimensions
C951023-00-B	Paul A. LoBello		10/2/95 Clarifications to Final Offer for Beam Tube Module Contract
C951024-00-D	Andreas Nonnenmacher		10/5/95 Weekly Status Report through 3 October 1995
C951025-00-B	Marty Tellalian		10/5/95 Return of Signed Task Order #95-04
C951026-00-D	Dr. Chris Walsh		10/3/95 Gantt Chart for the CSIRO Optus Polishing Demonstration
C951027-00-D	Irena Petrac		9/11/95 REO
C951028-00-D	Ramin Lalezari		9/7/95 Status of the Coating Development
C951029-00-D	Bill Kells		9/6/95 Quartz Blanks
C951030-00-D	Ramin Lalezari		9/6/95 Fused Quartz Substrate and Specifications
C951031-00-D	Ramin Lalezari		9/5/95 Coating
C951032-00-O	Tyler Jackson		10/5/95 Shell Pipeline Sketches and Rough Grading Drawing
C951033-00-D	Dale Ness		8/30/95 Coating Data
C951034-00-P	Richard Bagley	V049-PL-001	10/5/95 PSI Travel Outside of Contract Scope
C951035-00-D	Bill Kells		8/28/95 Status Report on Coating Data
C951036-00-D	David Shoemaker		8/25/95 Polishing Specifications for the Pathfinder Optic
C951036-00-D	Bill Kells		8/25/95 Polishing Specifications for the Pathfinder Optic
C951037-00-D			8/24/95 T Scan
C951038-00-P	Ed Jasnow		10/5/95 Proposed Contract for Rough Grading in Livingston (JL 221, LIGO-C950889-00-O)
C951039-00-O	Ara Arman		10/5/95 Shell Pipeline Crossing
C951040-00-V	Richard Bagley	V049-PL-002	10/6/95 PSI Needs List dated 4 October 1995, and Meeting Minutes for 20 September 1995
	Tom Starr	V049-NL-07	12/11/95 Project Needs List, dated 11 December 1995
C951040-03-V	Tom Starr	V049-PL-8	11/1/95 Project Needs List #3 (V049-PL-8), dated 1 November 1995
	Tom Starr	V049-NL-05	11/21/95 Project Needs List #5 from PSI
	Tom Starr	VO49-NL-06	12/1/95 Project Needs List
	Tom Starr	V049-NL-07	12/11/95 Project Needs List, dated 11 December 1995
C951040-08-V	~ .	V049-NL-08	1/4/96 Project Needs List, dated 4 January 1996
	Tom Starr	V049-NL-09	1/29/96 Project Needs List #9, dated 29 January 1996
C951040-10-V	~ .	V049-NL-10	2/9/96 Project Needs List #10, dated 9 February 1996
	Tom Starr	V049-NL-11	3/11/96 Project Needs List #11, dated 11 March 1996
	Tom Starr	V0.40.NU.40	4/11/96 Project Needs List.
C951040-13-V		V049-NL-13	5/10/96 Project Needs List
C951040-14-V		VO49-NL-14	5/29/96 Project Needs List - 5/29/96
C951040-15-V		VO49-NL-15	7/11/96 Project Needs List
C951040-16-V		VO49-NL-16	7/23/96 Project Needs List
C951040-17-V		VO49-NL-17	8/16/96 Project Needs List
C951040-18-V		VO49-NL-18	9/24/96 Project Needs List
C951040-19-V		VO49-NL-19	10/7/96 Project Needs List
C951040-20-V C951040-23-V		VO49-NL-20	10/18/96 Project Needs List
		V049-PL-353	1/30/97 Project Needs List #23 3/7/97 Project Needs List #24
C951040-24-V C951040-26-V		V049-NL-24	, ,
C951040-26-V	•	V049-NL-26 V049-NL-27	5/2/97 Project Needs List #26 5/30/97 Project Needs List #27
C951040-27-V		V049-NL-27 V049-NL-28	7/3/97 Project Needs List #28
C951040-28-V		V049-NL-28 V049-NL-29	8/4/97 Project Needs List #29
C951041-00-V	•	V049-NL-29 V049-PL-002	10/6/95 LIGO/PSI Meeting Minutes for 20 September 1995
C951042-00-B		V 0 T 0 1 L-002	10/6/95 RGA Quote to CBI
C951043-00-D	•	951004-0	10/4/95 Beam Tube Enclosure Exit Requirements
C951044-00-B	•	310080	10/6/95 Quotation
C951045-00-B	Donnio Duoritoy	510000	10/6/95 Quotation for QMG421
C951045-00-B	Ed Jasnow		10/6/95 Confirmation of Call re Pre-Bake Leak Check for Contract for Beam Tube Modules Fabrication and Installation (KD215, LIGO-C950476-00-P)
C951047-00-D			10/9/95 Weekly Report, dated 9 October 1995
C951048-00-P			10/1/95 General Provisions - Architect-Engineer Contract
C951049-00-B			10/10/95 Proposed Revisions to General Provisions (LIGO-C950323-00-P)
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951050-00-O	i e e e e e e e e e e e e e e e e e e e	- Contractor Doctor	10/16/95 P.O. PC175058 for the Ambient Ground Vibration Measurement at Livingston
C951050-02-O			12/13/96 Change Order #2 to P.O. PC175058 with Battelle Pacific Northwest Laboratories (BPNL) - Extension of Period of Performance to April 1997
C951051-00-E		951012-0	10/10/95 Technical Interchange Meeting Notice for 12 October 1995
	Anthony Favaloro	OSP 76481	10/3/95 Submittal of Renewal Proposal for P.O. PP045667
C951053-00-O	,	001 10101	10/10/95 Statement of Work (SOW) for the Geotechnical Field Monitoring and Testing of the Rough Grading Construction of the LIGO Site at Livingston
C951054-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951053-00-O)
C951055-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951053-00-O)
C951056-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951053-00-O)
C951057-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951053-00-O)
C951058-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951053-00-O)
C951059-00-O			10/11/95Invitation to Submit Proposal for RFP EJ-223 (LIGO-C951059-00-O)
	Vernon F. Associates, Inc.		10/6/95 LIGO Project GPS Printout
	Andreas Nonnenmacher		10/13/95 Weekly Report, dated 13 October 1995
C951064-00-P			10/13/95 Transmittal of LIGO Project/REO Subcontract, Change Order #2
C951065-00-O		951013-2	10/13/95 Chilled Water Loop at the Corner Station
C951065-01-O		951013-2, Rev. 1	10/16/95 Chilled Water Loop at the Corner Station, Revision 1
C951066-00-O		001010 2, 11011 1	10/13/95 Transmittal of Contract PC175058 (LIGO-C951050-00-O) for Signature
C951067-00-D			10/16/95 Weekly Report, dated 16 October 1995
C951069-00-O			10/16/95 Sketch and Calculations for Slab to be Built Over the Shell Pipelines, Revision 2
	Woodward-Clyde	95B064, Rev. 3	11/3/95 LIGO Pipe Crossing Slab
	Woodward-Clyde	95B064, Rev. 4	12/13/95 LIGO Pipe Crossing Slab
C951070-00-O		002001,110111	10/13/95 Study Results for Proposed Relocation of Chiller Plants at the Mid and End Stations
C951071-00-O		951004-0	10/6/95 Minutes of Meeting re. Hanford Pre-PDR On-Board Review, 4 October 1995
C951073-00-D		00.00.0	9/19/95Invoice
C951074-00-V			9/20/95 LIGO Vacuum Equipment Contract Kickoff Meeting Minutes for 20 September 1995
C951075-00-P	• •		10/13/95MIT Request for Foreign Travel Approval
C951076-00-O	<u> </u>		10/16/95Final Inspection - Site Preparation for Aerial Survey, Livingston
C951077-00-O			10/17/95 Transmittal of Drawings
C951078-00-V	John Worden		10/18/95TIM #1 - Response to "Needs List" dated 10/04/95 (LIGO-C951079-00-V)
C951078-00-V			10/18/95 TIM #1 - Response to "Needs List" dated 10/04/95 (LIGO-C951079-00-V) 10/4/95 Project Needs List, dated 4 October 1995
C951079-00-V	Richard Bagley	V049-NL-	10/4/95 Project Needs List, dated 4 October 1995
C951079-00-V C951079-01-V	Richard Bagley Richard Bagley	V049-NL- V049-NL	· · · · · · · · · · · · · · · · · · ·
C951079-00-V C951079-01-V C951079-02-V	Richard Bagley Richard Bagley Richard Bagley		10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995
C951079-00-V C951079-01-V	Richard Bagley Richard Bagley Richard Bagley Larry Jones		10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow		10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Ed Jasnow		10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B C951080-04-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Larry Jones	V049-NL	10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 1/23/96 Change Order #2 for P.O. PC 181520
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Ed Jasnow Larry Jones Ed Jasnow	V049-NL	10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 1/23/96 Change Order #2 for P.O. PC 181520 5/17/96 Change Order #4 for PO PC181520
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B C951080-04-B C951080-05-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Ed Jasnow Larry Jones Ed Jasnow Ed Jasnow Ed Jasnow	V049-NL	10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 1/23/96 Change Order #2 for P.O. PC 181520 5/17/96 Change Order #4 for PO PC181520 10/29/96 Change Order #5 to P.O. PC1818520 with CBI - New Partial Payment Schedule and Account Code Schedule
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B C951080-04-B C951080-05-B C951080-06-B	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Ed Jasnow Larry Jones Ed Jasnow Ed Jasnow Ed Jasnow Ed Jasnow Ed Jasnow	V049-NL	10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List #4, dated 10 November 1995 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LIGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 Change Order #2 for P.O. PC 181520 5/17/96 Change Order #4 for PO PC181520 10/29/96 Change Order #5 to P.O. PC1818520 with CBI - New Partial Payment Schedule and Account Code Schedule 2/27/97 Change Order #5 for P.O. PC181520 with CBI Services, Inc
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C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B C951080-05-B C951080-06-B C951080-07-B C951080-08-B C951080-09-B C951081-00-O C951083-00-V C951084-00-O C951085-00-D	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Ed Jasnow Larry Jones Ed Jasnow Kal Jasnow Rick Savage Warren A. Carpenter Richard Bagley Kai Ramsing Karl Reithmaier Jeff Hermann	V049-NL PC181520 V049-MM-2 951013-1	10/4/95 Project Needs List, dated 4 October 1995 11/10/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List, dated 10 November 1995 11/10/95 Project Needs List, dated 10 November 1995 11/8/95 LiGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 12/8/95 LiGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 1/28/96 Change Order #2 for P.O. PC 181520 5/17/96 Change Order #4 for PO PC181520 10/29/96 Change Order #5 to P.O. PC181520 with CBI - New Partial Payment Schedule and Account Code Schedule 2/27/97 Change Order #5 for P.O. PC181520 with CBI Services, Inc 4/4/97 Change Order #5 for P.O. PC181520 with CBI Services, Inc. 6/17/97 Change Order #8 for P.O. PC181520 with CBI Services, Inc. 10/17/95 Request for Review of Hanford Beam Tube Enclosure - Basis of Design Report for Lightning Protection 10/17/95 Minutes for 2 October 1995 10/16/95 Minutes of Meeting for Electrical Service to Buildings and Beam Tube Enclosures at Hanford on 13 October 1995 10/16/95 Meeting for Electrical Service to Buildings and Beam Tube Enclosures at Hanford on 13 October 1995 10/16/95 Set of Drawings, Draft
C951079-00-V C951079-01-V C951079-02-V C951080-00-B C951080-00-B C951080-02-B C951080-04-B C951080-05-B C951080-06-B C951080-07-B C951080-08-B C951080-09-B C951081-00-O C951082-00-B C951083-00-V C951084-00-O C951085-00-D C951086-00-O	Richard Bagley Richard Bagley Richard Bagley Larry Jones Ed Jasnow Fick Savage Warren A. Carpenter Richard Bagley Kai Ramsing Karl Reithmaier Jeff Hermann	V049-NL PC181520 V049-MM-2 951013-1 PM-951017-0	10/4/95 Project Needs List, dated 4 October 1995 10/18/95 Project Needs List, dated 18 October 1995 11/10/95 Project Needs List, dated 10 November 1995 11/10/95 Project Needs List, dated 10 November 1995 11/8/95 LiGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 11/28/95 LiGO Beam Tube Modules - Fabrication and Installation, Contract # PC181520 between CIT and CBI 11/28/96 Change Order #2 for P.O. PC 181520 5/17/96 Change Order #2 for P.O. PC 181520 10/29/96 Change Order #4 for PO PC181520 10/29/96 Change Order #5 to P.O. PC181520 with CBI - New Partial Payment Schedule and Account Code Schedule 2/27/97 Change Order #5 for P.O. PC181520 with CBI Services, Inc 4/4/97 Change Order #7 for P.O. PC181520 with CBI Services, Inc 6/17/97 Change Order #8 for P.O. PC181520 with CBI 7/29/97 Change Order #8 for P.O. PC181520 with CBI 10/17/95 Request for Review of Hanford Beam Tube Enclosure - Basis of Design Report for Lightning Protection 10/17/95 Reverse of Meeting Minutes for 2 October 1995 10/16/95 Minutes of Meeting for Electrical Service to Buildings and Beam Tube Enclosures at Hanford on 13 October 1995 10/16/95 Minutes of Meeting for Electrical Service to Buildings and Beam Tube Support Configuration
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C951096-00-O	Marshall Long		10/16/95 Calculations
C951097-00-O	Ed Jasnow		10/19/95 Addendum 1 to RFP EJ-223 (LIGO-C951053-00-O), Geotechnical Field Monitoring and Testing of the Rough Grading Construction of the LIGO Site at Livingston
C951103-00-O	Paul MacCalden		10/19/95 Acoustic PSD Conversion
C951104-00-O	Jeff Hermann	951016-0	10/17/95 Minutes of Meeting re. Power Distribution for Hanford, 16 October 1995
C951105-00-O	Jeff Hermann	951005-0/951016-0	10/16/95 Technical Interchange Meeting Minutes from 5 October 1995
C951106-00-O	Warren A. Carpenter		10/12/95 Data Acquistion System Printout for Bakeout Progress
C951107-00-B	Larry Jones		10/9/95 Rai's 21 Gasses with Trial Partition Fractions
C951108-00-O	Tyler Jackson		10/9/95 Beam Tube Enclosure FDR Estimate Summary - Hanford
C951109-00-O	Hal Amick, PE		10/9/95 Review of Parsons' Report - "Ambient PSD Analyses" (LIGO-C950859-00-O)
C951110-00-O		951005-0	10/9/95 Technical Interchange Meeting Minutes, DRAFT, for 5 October 1995
C951111-00-O	Jeff Hermann		10/9/95 Technical Interchange Meeting Notice, DRAFT
C951112-00-O	Tyler Jackson	PM-951005-0	10/5/95 Record of Telephone Conversation with Fred Asiri/John Blasius re Livingston Pipeline Cover Design
C951113-00-O	Tim Melott		9/1/95 Statement of Work for the Additional Geotechnical Testing for the Design of the Livingston Site
C951114-00-O	Richard Speer		10/12/95 Sketch for the Slab to Be Built Over the Shell Pipelines
C951115-00-V	Dick Curtis		10/12/95 New Locations of Nozzles E, F & G
C951116-00-O		950927-0	9/27/95 Minutes of Meeting re Beam Tube Enclosure Exits, 27 September 1995
C951117-00-O	Jeff Hermann	950925-0	9/29/95 Minutes of Weekly Coordination Meeting with Caltech, 25 September 1995
C951118-00-O	•	PM-950928-0	9/28/95 Record of Telephone Conversation re. NSF Semiannual Review
C951119-00-D	Karun Sreerama		10/19/95 Quotation on SPL Zero Length Adapter
C951120-00-O	Mel Weingart		10/19/95 Advance Draft Copy of Status Report for comments
C951121-00-D			10/23/95 Weekly Report, dated 23 October 1995
C951122-00-O			10/20/95 Review of Construction Documents
C951123-00-O			10/23/95 TDM 95-14 - Conditional Approval of Draft Final Design Package submitted on 6 and 12 October 1995
C951124-00-O		95-015	10/20/95 Proposal for LIGO EMC/EMI Control
C951125-00-O			10/13/95 Minutes of Meeting re. Planning Initial Mobilization at Livingston, LA
C951126-00-O			10/23/95 Revised Contract # PC175058 (LIGO-C951050-00-O)
C951127-00-O		951018-0	10/18/95 Proposal for Current Transducers, and Proposal for Power Monitors
C951128-00-V			10/24/95 Transmittal of Formal Request for Cost Information (LIGO-C950732-00-V)
C951129-00-V			10/25/95 Preliminary Collection of PDR Comments
	John Worden		10/31/95 TIM 95-03, Response to PSI Needs List (LIGO-C951079-01-V)
	John Worden		10/30/95 Draft Facilities Options Schedule, Revision 6, dated 19 October 1995
	John Worden		10/31/95 Transmittal of Needs List Answers
	John Worden		11/10/95 TDM 95-03, Conditional Approval of CDRL 01, PDR
	John Worden		11/10/95 Transmittal of PDR CDRL 01 Approval
C951136-00-V			11/22/95 Technical Information Memorandum (TIM) 04 - Response to PSI "Needs List" dated 10 November 1995
C951137-00-V			12/6/95 TDM 95-04 for Approval of CDRL 02 - the Project Management Plan
C951138-00-V	9 7		10/24/95 Preliminary Design Review Update Meeting Minutes for 3 October 1995 (V049-MM-3)
C951139-00-O) (0 to D) 0	10/24/95 Approval Request for Louisiana Site Rough Grading (JL-221, LIGO-C950899-00-O) with Incorporation of Change Order #1
C951140-00-V	•	V049-PL-9	10/23/95 Record of Telephone Conversation re. Beam Splitter Chamber - Removable Floor
C951141-00-O	•		10/25/95LIGO Facilities Performance Prediction Review Meeting Agenda
C951142-00-O		05D220 D	10/23/95 Request for Bid Package
C951144-00-O	· · · · · · · · · · · · · · · · · · ·	95B320-P	10/16/95 Submittal of Proposal for RFP EJ-223 (LIGO-C951056-00-O) - Geotechnical Field Monitoring and Testing, Livingston
C951145-00-O	·	95B320-P	10/24/95 Proposal Submitted in Response to RFP EJ-223 (LIGO-C951056-00-O), Geotechnical Field Monitoring and Testing in Livingston, LA
C951145-00-O		95B320-P	10/24/95 Proposal Submitted in Response to RFP EJ-223 (LIGO-C951056-00-O), Geotechnical Field Monitoring and Testing in Livingston, LA
	Garilynn Billingsley		10/25/95 FEA Model of Optic Deformation Due to Mount 10/25/95 Proliminary Plan for Continuing the Development of the Sciencia Inclusion Stock (SIS) Concept for LICO, DRAFT
C951147-00-D			10/25/95 Preliminary Plan for Continuing the Development of the Seismic Isolation Stack (SIS) Concept for LIGO, DRAFT
C951148-00-O			10/25/95 TDM 95-15 - Authorization to Relocate the Chiller Plants to the Proposed Locations 10/26/95 LIGO Weekly Update
	Andreas Nonnenmacher David Mc Williams	V049-PL-7	10/26/95 Proposed November Meeting Agenda and Alternate Vacuum Piping Schematics
C951150-00-V		V049-PL-7 PM-951025-0	10/27/95 Design Direction for Relocation of Mid and End Station Chiller Plants
	Andreas Nonnenmacher	1 101-90 1020-0	10/26/95 Weekly Cost Summary
C951152-00-D		95B050	10/26/95 Soil Stress Distribution Analysis - Pipeline Crossing, Livingston
C951153-00-O		95B050 95B050	10/26/95Soil Stress Distribution Analysis - Pipeline Crossing, Livingston 10/26/95Soil Stress Distribution Analysis - Pipeline Crossing, Livingston
C951154-00-O	'	335000	10/26/95 Caltech-Parsons Technical Interchange Meeting Minutes for 12 October 1995 -DRAFT with Comments
C951155-00-B			10/25/95 Draft Contract Corrections
C951156-00-V	•	V049-PL-6	10/25/95 LN2 Storage Tank Footprint/Weights, PRELIMINARY
C951157-00-D	DION OUTUS	V O T O 1 L-O	10/24/95 Quotation from Nor-Cal Products for Conflat Zero Length Reducer
O-001101-00-D			10/2-7/09 Reduction from their Oal Frounds for Conflict Zero Length Neducer

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951158-00-P	Aaron R. Asrael		10/24/95 NSF Conditions Prior to Approval of Subcontract with Stranco, Inc. for Rough Grading in Livingston
	Richard Bagley	V049-PL-004	10/24/95 CBI Summary Sheet and transmittal of signed TIM #1 and #2
C951160-00-V	5 ,	V049-MM-04	10/25/95 Minutes of Meeting with Allen Sibley held on 20 October 1995
C951160-00-V	Tom Starr	V049-MM-04	10/25/95 Minutes of Meeting with Allen Sibley held on 20 October 1995
-	Tom Starr	V049-MM-04, Rev. 1	10/30/95 Minutes of Meeting with Allen Sibley held on 20 October 1995
C951160-01-V	Dick Curtis	V049-MM-04, Rev. 1	10/30/95 Minutes of Meeting with Allen Sibley held on 20 October 1995
C951161-00-O	Doug Barab	,	10/25/95 Status of Power to the LIGO Site
C951162-00-P			10/26/95 JPL Reliability Estimate for LIGO System Engineering and Integration
	Dr. Chris Walsh		10/30/95 Weekly Report, dated 30 October 1995
C951164-00-O	Jeff Hermann		10/30/95 Precast Concrete Beam Tube Enclosure, Preliminary Estimate
C951165-00-P			10/30/95PSI Contract Edits and Comments
	Karun Sreerama		10/27/95 Proposal for Geotechnical Testing and Monitoring Services at Livingston
	Monica Sorcelli		10/24/95 Quotation for Conflat Zero Length Reducer
C951168-00-O			10/25/95 Update Request for the DCCD
C951169-00-B			10/26/95 Draft Contract Review Comments
	Garilynn Billingsley		10/30/95FEA Model of Optic Deformation Due to Mount
C951171-00-P	January January		10/30/95MIT FY 96 Proposal CSR and MTDC Base Calculations
C951172-00-P	Irena Petrac		10/30/95 Purchase Order Boilerplate for Support/Metrology
C951173-00-O			10/24/95 Updated labor Rates for Hanford Construction
C951174-00-O			11/1/95 P.O. PC184279 with Stranco, Inc. for Rough Grading at Livingston Site
C951174-01-O			10/31/95 Change Order #1 to P.O. PC184279 with Stranco
C951174-02-O			1/19/96 Change Order #2 to P.O. PC184279 with Stranco - Concrete Slabs Over Pipeline
C951175-00-O			11/8/95 Minutes of LIGO Facilities Performance Predictions Preview Meeting held 26 October 1995
C951176-00-O	-		10/31/95 Notice of Award, P.O. PC184279 - Rough Grading of the LIGO Site at Livingston, Louisiana
C951177-00-D		CD-JMS-2603	10/30/95 Transmittal of Signed TDM 3
C951178-00-I	Irena Petrac	OD 01010 2003	11/1/95 P.O. PP184342 with National Institute of Standards and Technology (NIST) for Expert Metrology Services in Support of the Optics Development for LIGO
C951178-01-I	Irena Petrac		1/9/96 Change Order #1 to P.O. PP1848342 with the National Institute of Standards & Technology (NIST) - Performance Extenstion
C951178-02-I	Irena Petrac		2/28/96 Change Order #2 for P.O. PC184342 with National Institute of Standards & Technology (NIST) - Full Scope of Work for Metrology Validation
C951178-03-I	Irena Petrac		5/1/96 Change Order #3 for P.O. PC184342 with National Institute of Standards & Technology (NIST) - Change in Scope of Work to Include the Full Metrology Validation Effort
	Ed Jasnow		7/2/96 Change Order #4 for P.O. PC184342 with NIST - Incorporation Full Metrology Scope of Work
C951178-05-I	Irena Petrac		2/7/97 Change Order #5 for P.O. PC184342 with National Institute of Standards & Technology - Extension of Performance through 3/31/97
C951178-06-I	Irena Petrac		3/20/97 Change Order #6 for P.O. PC184342 with National Institute of Standards & Technology (NIST)
C951178-07-I	Irena Petrac		5/9/97 Change Order #7 for P.O. PC184342 with National Institute of Standards & Technology (NIST) - Appointment of Garilynn Billingsley as Cognizant Caltech Technical Representative
	Andreas Nonnenmacher		11/1/95 Weekly Report
	Ed Jasnow		7/2/96 Change Order Number 4 - P.O. PC 84342.
C951181-00-O			11/1/95 Completed Datasheet for Entergy
C951182-00-P	•		11/1/95 HDOS Non-Disclosure Agreement
C951183-00-P			11/2/95Advance copy of P.O. PP184342 with NIST
	Andreas Nonnenmacher		11/2/95 Weekly Cost Summary, Week Ending 27 October 1995
	Dr. Chris Walsh		11/6/95 Weekly Status Report, Week ending 6 November 1995
C951189-00-D			11/7/95 Request to Forward "Geotechnical Investigation of the LIGO Site" to Stranco
C951190-00-P	•		11/7/95 Transmittal of Change Order #2 for P.O. PC 162519 (LIGO-C950494-02-I)
C951190-00-P			11/7/95 Transmittal of Draft P.O. PC 185384 with Craig Conley
C951191-00-P			11/7/95 Transmittal of CDRL PAR-FDCM005AB1A01 and PAR-FDCM005AB2A01-2, Sec. 16
	Prof. Katherine Creath		10/20/95LIGO Summary of Work Between July 21 and October 20, 1995 (10 days)
C951194-00-P		CD-JMS-2606	11/6/95 HDOS Proprietary Information Non-Disclosure Agreement for CIT-LIGO Signature
C951195-00-O		OD-31013-2000	11/7/95 Notice to Proceed with Contract #PC 1814279 (LIGO-C951174-00-O), Rough Grading of the LIGO Site at Livingston
C951196-00-O			11/8/95 Notification of Selection of Stranco and Return of Bid Bond
C951196-00-O			11/8/95 Notification of Selection and Return of Bid Bond
C951197-00-O	· ·	951105-0	11/6/95 Minutes of Pre-Construction Conference with Stranco, Inc. on 3 November 1995
	Doug Jungwirth	JJ 110J-0	5/22/96 Change Order No. 2 for P.O. PC185584 With Brian Loucks.
C951200-02-P	<u> </u>		5/22/96 Change Order No. 2 for P.O. PC165564 With Brian Loucks. 5/22/96 Change Order No. 2 for P.O. PC185584 With Brian Loucks.
C951200-02-P			5/22/96 Change Order No. 2 for P.O. PC185384 With Brian Loucks. 5/14/97 Change Order #3 for P.O. PC185384 with Brian Loucks, Consultant
	Andreas Nonnenmacher		·
			11/13/95 Cost Summary through 10 November 1995 11/6/05 Chappe Order #1 for P. O. PC195630 with Hytes, Inc. for Professional Engineering Services
C951202-01-P			11/6/95 Change Order #1 for P.O. PC!85630 with Hytec, Inc. for Professional Engineering Services
C951202-02-P			2/28/96 Change Order # 2 for P.O. PC185630 with Hytec, Inc Extension for Performance Period through 31 December 1996
C951202-03-P	пепа Ретгас		6/17/96 Change Order #3 to P.O. PC185630 with Hytec, Inc.

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951202-04-P	Irena Petrac		7/24/96 Change Order #4 for P.O. PC185630 with Hytec, Inc Increase in Scope of Work
C951202-05-P	Irena Petrac		10/29/96 Change Order #5 for P.O. PC185630 with Hytec, Inc.
C951202-06-P	Irena Petrac		6/4/97 Change Order #6 for P.O. PC185630 with Hytec - First Article Production
C951203-00-D	Dr. Chris Walsh		11/13/95Weekly Report to 13 November 1995
C951204-00-P	Mike Khan	1307866-1	11/9/95 Quotation for HP Deskjet Postscript Printer
C951205-00-P	Mike Khan	1307866-1	11/13/95Quotation for HP Deskjet Postscript Printer
C951206-00-P	George A. Grant, Inc.		11/13/95 Quotation for SPARCserver
C951207-00-P	George A. Grant, Inc.		11/9/95 Quotation for SPARCserver
C951208-00-P	Diane Sechrist	SA887	11/9/95 Quotation and Specification Sheets for Spectrum Analyzer
C951209-00-P	Chris Humphreys	125-130	11/8/95 Revised Cost Estimate for PSI Jefferson Proposal (LIGO-C9510153-00-O)
C951210-00-P			11/8/95 Quotation and Spec Sheet for a 1064mm Faraday Isolator
C951211-00-O	Jan Szwed		11/3/95 Selection of Evans-Graves Engineering as Project Surveyor in Livingston
C951212-00-O	Gerald Yandell		11/3/95 Capline 40" Pipeline Downtime
C951213-00-P	Craig Conley		11/6/95 Hourly Employee Contract
C951214-00-O	Frank D. Dallas		11/6/95 Bakeout Power Connect Disconnet Procedure
C951215-00-B	Lance Buboltz	CBI-CT 2.3/0005	11/7/95 Information for Article 4, Paragraph E, p. 7/10
C951216-00-B	Gilbert P. Beckett	CBI-CT 2.3/0004	11/3/95 Payment Milestones
C951217-01-O	William Parker	95-015A	11/2/95 Revised Proposal for LIGO EMC/EMI Control
C951218-00-O	Richard Speer	95B320-P	11/8/95 Revised Cost Estimate for RFP EJ-223 (LIGO-C951056-00-O) for Geotechnical Field Monitoring and Testing
C951218-00-O	Ara Arman	95B320-P	11/8/95 Revised Cost Estimate for RFP EJ-223 (LIGO-C951056-00-O) for Geotechnical Field Monitoring and Testing
C951219-00-B	Larry Jones		11/8/95 Leak Localization Software Operation
C951220-00-B	Larry Jones		11/8/95 CBI's Rewrite of Equipment Qualification Test Plan
C951221-00-P	Yasmin Merali		11/8/95 Disqualification of Independent Contractor Status for Craig Conley
C951222-00-V	Richard Bagley	V049-PL-13	11/9/95 Monthly Status Review Meeting Minutes for 7 November 1995
C951223-00-P	Yasmin Merali		11/9/95 Contractor Worksheet for Craig Conley
C951224-00-B	Larry Jones		11/10/95 Slab Loading Alignment
C951225-00-O	Jeff Hermann		11/10/95 Check for Completed Action Items
C951226-00-O	John James Blasius		11/10/95 Bakeout Sketches and Calculations
C951226-00-O	Kai Ramsing		11/10/95 Bakeout Sketches and Calculations
C951227-00-O	Paul Weickert	W&G - 92185	11/10/95 Preliminary Design Review, Facilities - Afterthoughts
C951228-00-D	Karl Reithmaier		11/12/95 Drawings for the Revised TM Tilt Stage for the 30 cm Test Mass and 25 cm TM Adaptor
C951229-00-P	Jean Siomkos		11/10/95 Corrected First Page of the HDOS Non-Disclosure Agreement
C951230-00-R	Michell Cantin	PASA-686-317	11/13/95 Quotation
C951231-00-O	Hal Amick, PE		11/13/95 Acoustical Excitation of Technical Foundation
C951232-00-P	Michell Cantin	PASA-686-317	11/13/95 Quotation
C951237-00-P			11/30/95 Proposal for the Design and Development Effort for the LIGO Seismic Isolation Stack (SIS)
C951238-00-E	William Young		11/14/95 Procurement of Service from William H. Parker for Develoment of a LIGO EMI/EMC Procedures and Control Plan
C951239-00-O	Otto Matherny		11/15/95 Request for Change of Scale for LIGO Topographic Survey (LIGO-C940156-00-O)
C951241-00-V	Joan Collins	1195002 (inv. #)	11/15/95 Invoice, Milestone #3, dated 15 November 1995
C951242-00-O	Jeff Hermann	951110-0	11/10/95 Preliminary Design Report Presentation, PAR-FDCM009AA1X01
C951243-00-D	Jean Siomkos	CD-JMS-2607	11/10/95 LIGO Estimate-to-Complete
C951244-00-V	Richard Bagley	V049-TN-08	11/15/95 Telecon of 14 November 1995 with John Worden
C951246-00-D	Dale Ness		11/16/95 Data for the Test of Circumfrential Variations for Pathfinder
C951247-00-O	Mark Coles		11/17/95 Review Committee Report to LIGO - Preliminary Design Review (PDR) of the LIGO Observatory Civil Construction held 9 November 1995
C951251-00-P	Irena Petrac		11/22/95 Transmittal of Signed Proprietary Information Non-Disclosure Agreement for P.O. PC 164701 (LIGO-C950356-00-P)
C951252-00-D	Dale Ness		11/17/95 Better Metrology Needed for Circumfrential Variations in Coating Thicknesses
C951253-00-B	Ed Jasnow		11/20/95 Proposed CBI Contract for Review and Approval
C951254-01-O	Ed Jasnow		11/20/95 RFP EJ-224 for Surveying Support for Construction Projects in Livingston - Schedule of Services
C951254-02-O	Ed Jasnow		11/20/95 RFP EJ 224 for Field Settlement Survey of Rough Grading Construction at Livingston Site - Statement of Work (SOW)
C951255-00-O	Fred Asiri		11/20/95 Technical Direction Memorandum (TDM) 95-16 - Conditional Approval of Preliminary PDR of 1 November 1995
C951256-00-O	Fred Asiri		11/20/95 Technical Direction Memorandum (TDM) 95-17
C951257-00-O	Richard Speer	95B050	11/15/95 Final Invoices for T.L. James Industrial Contractors, Inc.
C951259-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 for Surveying Support - Livingston
C951260-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 for Surveying Support - Livingston
C951261-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 for Surveying Support - Livingston
C951262-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 for Surveying Support - Livingston
C951263-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 for Surveying Support - Livingston
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951264-00-O	Ed Jasnow		11/21/95 Transmittal of RFP EJ-224 (LIGO-C951254-00-O) for Surveying Support, Livingston, LA
C951265-00-P	Irena Petrac		11/20/95 P.O. PP185967 with Universal Analytics, Inc. for UAI/NASTRAN Finite Element Computer Program (shipped to Hytec)
C951266-00-O	Ed Jasnow		11/27/95 Transmittal of RFP EJ-224 (LIGO-C951254-00-O) for Surveying Support - Livingston
C951267-00-D	Dr. Chris Walsh		11/27/95 Weekly Status Report through 27 November 1995
C951268-00-B	Marty Tellalian	CBI-CT 2.2/0015	11/20/95 Partial Payment Invoice for Completion of Task Order #95-04
C951269-00-O	•		11/27/95 Technical Direction Memorandum (TDM) 95-18 - Slab LVEA
C951271-00-O	Otto Matherny		12/1/95 P.O. PP186624 for Electrical Power with Benton County Public Utility District No. 1 (PUD) for the LIGO Site at Hanford, WA
C951272-00-D	•		11/22/95 Data Analysis
C951273-00-V		V049-PL-22	11/25/95 TIM 05 - Response to PSI Needs List, dated 10 November 1995
C951274-00-V			11/28/95 Transmittal of TIM 05
C951275-00-O			2/1/96 P.O. PC186218 with Professional Service Industries, Inc. for Geotechnical Field Monitoring and Testing of the Rough Grading Construction at Livingston
C951275-01-O			10/3/96 Change Order #1 to P.O. PC186218 with Professional Service Industries, Inc Extension of Performance Period
	Karen Dombrowski		11/28/95 Precontract Cost Authorization for P.O. PC185630 (LIGO-C951202-00-P) for Professional Engineering Services/LIGO Seismic Isolation Stack Development
C951277-00-0			11/29/95 Facility Preliminary Design Review, 9 November 1995 - Comments
C951281-00-O			11/29/95 Transmittal of P.O. PC186218 for Signature
	Garilynn Billingsley		11/29/95A.R. Coating
C951283-00-V	, , ,		11/30/95TDM 95-05, Conditional Approval of CDRL 10 - Deliverables to the Beam Tube Final Design Data Package
C951284-00-U			11/30/95 Transmittal of ECP 2 through 8
C951287-00-O			12/4/95 Architecture Plans from the Preliminary Design of the LIGO Facility for LSU Approval
C951288-02-O			12/20/95 Change Order #2 Incorporating ECP's 2 through 8 for Parson's Contract P.O. PP150969
C951288-03-O		PP150969	5/22/96 Change Order #3 for PO PP150969 with Parsons Incorporation of Engineering Change Proposals (ECP's) 10-14
C951288-04-O		11100000	9/25/96 Change Order # 4 to P.O. PP150969 with Parsons I & T Group - Support Services for Phase C
C951288-05-O			10/10/96 Change Order #5 to P.O. PP150969 with Parsons - Administrative Only
C951288-06-O			6/5/97 Change Order #6 for P.O. PC150969 with Parsons - Incorporation of ECP 18, 19, 20 and 21 into Contract
C951289-00-O			12/1/95 Transmittal of Beam Tube (BT) - Civil Construction (CC) Interface Control Document (ICD)
	Tim Melott	951122-0	11/22/95 Excerpts of the PDR Submittal Drawings for LSU to use at their Architectural Review; Color renderings of the Corner Station for LSU's use
	Andreas Nonnenmacher	331122 0	12/4/95 Cost Summary through 1 December 1995
C951295-00-D		951129-1	11/29/95 Facility Monitor and Control System Options, Revision 1
C951296-00-B		331123-1	12/5/95 Revised P.O. PC181520 with CBI for NSF Review and Approval
C951296-01-B			12/5/95 Negotiation Summary for Beam Tube Contract with CBI (LIGO-C951080-00-B)
C951296-01-B	*		12/5/95 Negotiation Summary for Beam Tube Contract with CBI (LIGO-C951080-00-B)
	Ralph M. Parsons Company		12/4/95LIGO Technical Foundation Analyses - Appendix A (3 Books), Appendix C (3 Books), Appendix D (See LIGO-C951653-00-O for Executive Summary and Discussion)
C951298-00-O			11/22/95 Summary of Electromagnetic Compatibility Concerns and Topics Discussed to Date
C951299-00-B			12/6/95 Reference Monuments, Beam Tube Module Contract
C951299-01-B	•		2/6/96 Alignment Deliverables By LIGO, Beam Tube Module Contract (rev. 1)
C951300-01-P			12/5/95 Change Order #1 for P.O. PP166865 with Innovative Data Processing - Data Conversion and Extended Period of Performance to 31 March 1995
C951300-01-P			2/19/96 Change Order #2 for P.O. PP166865 with Innovative Data Processing - Additional Service Effort for System Completion
C951300-02-1	•		4/1/96 Change Order #3 for P.O. PP166865 with Innovative Data Processing 4/1/96 Change Order #3 for P.O. PP166865 with Innovative Data Processing
C951300-03-1			12/6/95 Review of PSI's Beam Tube Deliverable Specifications Package
C951301-00-B	,		12/6/95 Technical Information Memorandum (TIM) 06 - Provision of Documentation for Investigating the Design of the LN Storage Vessel Foundations at Livingston and Hanford Sites
C951302-00-V			12/7/95 Transmittal of TDM 95-04 Approving CDRL 2, Project Management Plan
C951304-00-O		951204-2	12/4/95 Benton County PUD Transformers
C951304-00-O		951204-2	12/4/95 Fire Water Pump Starting and Transformer Resizing
C951306-00-O		001204-1	12/6/95 RFP EJ-224 (LIGO-C951254-00-O), Surveying Support, Livingston LA Site - Schedule of Services
C951306-00-U		V049-PL-027	12/4/95 Change Order Request #1 - Pneumatic to Electronic Actuation of Eight Large Gate Valves
C951307-00-V	0 ,	V049-PL-027 V049-PL-28	12/4/95 Change Order Request #1 - Pheumatic to Electronic Actuation of Eight Large Gate Valves 12/4/95 Change Order Request #2 - Change LA Mid Stations 48 Inch Gate Valves to 44 Inch Gate Valves
C951308-00-V	0 ,	V049-PL-28 V049-PL-30	12/5/94 Change Order Request #3 - Design, Fabricate, and Install the Pipe Bridge at WA and LA Corner Stations
	0 ,		
C951310-00-V C951311-00-B	0 ,	V049-PL-29	12/4/95 Change Order Request #7 - Add 304L Weld Stubs to the Large Gate Valves 13/6/05 Transmitted of Signed Contract for Ream Tube Medules Exhrication and Installation, Contract #PC181520, LICO C051080,00 R
			12/6/95 Transmittal of Signed Contract for Beam Tube Modules Fabrication and Installation, Contract #PC181520, LIGO-C951080-00-B
C951313-00-V			12/8/95 Distribution of PSI Specifications V049-2-039, V049-2-040, V049-2-041, and Bill of Materials BOMV0494001
C951314-00-O		CT009	12/8/95 TDM 95-19 - Direction to Parsons to proceed with the design of the LVEA and VEA technical foundations with a minimum thickness of 30 inches
C951315-00-V	- · ·	C1009	11/28/95 Bill of Materials -BSC Prototype (BOMV0494001), Specification for Stainless Steel Vessel Heads (V049-2-039), Specification for Stainless Steel Flange Forgings (V049-2-040), and Specification for Stainless Steel Vessel Plate (V049-2-041)
C951316-00-O			12/8/95 Transmittal of TDM 95-19 13/9/95 Transmittal of TDM 95-19
C951317-00-V			12/8/95 Technical Information Memorandum (TIM) 07 - Response to "Needs List"
C951319-00-V			12/11/95 TDM 95-06 Approving the Purchase of the Materials Required for the BSC Prototype Vessel Fabrication
C951320-00-V			12/11/95 Transmittal of TDM 95-06 to PSI
C951321-00-D	ur. Chris Walsh		12/11/95 CSIRO Weekly Report, dated 11 December 1995

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951324-00-V	Linda Turner		12/18/95 Distribution of CDRL # PSI-VEB001AA1B02
C951325-00-V	Richard Bagley	V049-1-013, Rev 0	12/21/94Washington I/O Summary
C951326-00-P	Earl Friese		12/1/95 No-cost Extension on MIT work on PHY-9210038, Change Order No. 16
C951327-00-V	John Worden		12/12/95 TIM 95-08 requesting quotes
C951328-00-V	John Worden		12/12/95 Transmittal of TIM 95-08
C951329-00-O	Fred Asiri		12/12/95 Conduit Installation on Red-Lined Facility Drawings
C951330-00-D	Andreas Nonnenmacher		12/12/95Weekly Report, dated 12 December 1995
C951331-00-O	Mel Weingart		11/29/95 Engineering Change Proposal (ECP) #2 - Livingston Survey Grid Adjustment
C951332-00-O	Mel Weingart		11/29/95 Engineering Change Proposal (ECP) #3 - Additional BTE Bid Package (Hanford)
C951333-00-O	Mel Weingart		11/29/95 Engineering Change Proposal (ECP) #4 - Mid and End Station Chiller Plant Relocation
C951334-00-O	Mel Weingart		11/29/95 Engineering Change Proposal (ECP) #5 - BTE Support Configuration
C951335-00-O	Mel Weingart		11/29/95 Analysis of Vacuum Load on LVEA Slab
C951336-00-O	Mel Weingart		11/29/95 LVEA Observation Deck Design
C951337-00-O	Mel Weingart		11/29/95 Hanford LVEA Expansion to Accommodate 3 Interferometers
C951338-00-O	John S. Teegarden		12/7/95 Submitted Proposal for RFP EJ-224 (LIGO-C951254-00-O)
C951339-00-O	M. Gregory Breaux		12/7/95 Submittal of Proposal for RFP EJ-224 (LIGO-C951254-00-O)
C951340-00-O	Kris Showalter		12/6/95 Submittal of Proposal for RFP EJ-224 (LIGO-C951254-00-O)
C951341-00-O	Willie J. Fontenot		12/6/95 Submittal of Proposal for RFP EJ-224 (LIGO-C951254-00-O)
C951342-00-O	Stephen L. Hebert		12/7/95 Submittal of Proposal for RFP EJ-224 (LIGO-C951254-00-O)
C951343-00-D	Andreas Nonnenmacher		12/12/95 Cost Summary through 3 December 1995
C951344-00-B	Ed Jasnow		12/12/95 Transmittal of Executed Contract # PC181520 (LIGO-C951080-00-B), Fabrication and Installation of LIGO Beam Tube Modules
C951345-00-O	Ara Arman		12/12/95 LIGO/Livingston Site Loose and Disturbed Soil Removal
C951346-00-O			12/12/95 Bid Responses for Grading and Slab in Hanford
C951347-00-V	Richard Bagley		12/12/95 Clarifications for TDM 95-04, Project Management Plan Approval
C951348-00-P			12/12/95 Quotation MicroCad disk subsystem
C951349-00-P	Gilbert P. Beckett		12/12/95 Sample of CBI's Invoice Format
C951350-00-O	J.V. Harmon	00063173 (inv. #)	12/8/95 Transmittal of Invoice for Period Ending 3 November 1995
C951351-00-O	J.V. Harmon	00060172 (inv. #)	12/8/95 Transmittal of Invoice for Period Ending 3 November 1995
C951352-00-O	Larry Hancock		12/11/95 LIGO Beam Tube Enclosure (BTE) Sitework and Fabrication - Hanford, WA
C951353-00-O	•		12/12/95 Request for Clarification
C951354-00-O			12/12/95 Request for Information for Bid
C951355-00-V			12/12/95 Invoice for Milestone #'s 5, 9A & 9F
C951357-00-V	· ,		12/7/95 Monthly Status Meeting Minutes for 5 December 1995 and Agenda
C951358-00-B			12/13/95 Invoice for Milestone #1
C951359-00-V	•		12/14/95 Telecon of 8 December 1995 regarding Beam Tube/Vacuum Equipment Interface Issues
	John F. McDermott		12/13/95 Proposed Changes to Cooperative Agreement
C951361-00-V	· ,		12/14/95 Vacuum Equipment Design Audits
C951361-01-V	<u> </u>		12/15/95 Vacuum Equipment Design Audits, Revision 1
C951362-00-O	•		12/13/95 Position Statement Justifying a Canadian Firm's Qualification to Bid under NAFTA Implementation Act
C951363-00-O	*		12/13/95 Pre-Bid Questions
C951364-00-O			12/12/95 Minutes for the Pre-Bid Meeting for the Hanford Beam Tube Enclosure
C951366-00-V	<u> </u>		12/13/95 Change Order Request #8 - Design Only of LN2 Tank Foundations
C951367-00-O			11/29/95 Decoupled Foundation and Expansion Joint Around LVEA and VEA Foundations
C951368-01-O			11/29/95 Facility Monitor and Control System (FMCS) Options
C951369-00-V	· ,		12/18/95 Telecon of 12/14/95 with John Worden
	Karun Sreerama		12/18/95 Quotation for Magnet Disc
C951371-00-V	· ,		12/18/95 Change Order Request #6 - Additional BSC Bracing
	Karun Sreerama		12/15/95 West Bridge 3rd Floor Data Cables
	James Anderson	V040 DL 05	12/6/95 Pre-Bid Questions 12/6/95 Pre-Bid Questions 20/44/95 Pre-Bid Questions
C951375-00-V	· ,	V049-PL-35	12/11/95 Change Order Request #4 - Add Fail Safe Gate Valves to the Main Roughing Pump Inlets
	James Anderson		12/18/95 Bid Date Extension Request
C951377-00-O	•		12/18/95 Pre-Bid Questions
C951379-00-O			12/20/95 Transmittal of Signed ECPs 2-8
C951380-0-O			12/20/95 Transmittal of TDM 95-20 (LIGO-C951468-00-O) and TDM 95-21 (LIGO-C951467-00-O)
C951381-00-O			12/12/95 Hanford Beam Tube Enclosure Pre-Bid Meeting Minutes for 6 December 1995
C951382-00-B			12/19/95 Project Engineering Schedule
U951383-00-V	Richard Bagley		12/20/95Invoice for Milestone #16, Invoice #1295021

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951384-00-D	Dr. Chris Walsh		12/12/95 Invoice for P.O. PP167159
C951385-00-V	Richard Bagley		12/15/95 Change Order Request #9 - Change All 44 Inch Gate Valves to 48 Inch Electric and Related Spools Changes
C951386-00-V	Richard Bagley		12/18/95 Change Order #10 - Increase the Pumping Surface Clear Aperture of the 80K Cryopumps
C951387-00-O	Karl Drobny		12/21/95 Weekly Status Report, Week Ending 12/22/95
C951388-00-P	Mike Keller		12/21/95 Approval for Revised Version of Caltech's Institute Patent Policy
C951389-00-B	Lance Buboltz		12/21/95 Interior Fixed Support Bracket Foot Print
C951390-00-O			12/20/95 Pre-Bid Questions
C951391-00-V	Richard Bagley		12/21/95 PSI LGIO Project Internet Home Page
C951392-00-B			12/12/95 Foundation Loads and Valve Support at the Terminations
C951393-00-O	Karl Drobny		12/20/95 Safety Meeting Minutes Issued by the Contractor and Correspondence Issued to the Contractor (Stranco, Inc.)
C951394-00-O	•		12/20/95 Pre-Bid Questions
C951395-00-P			12/29/95 Distribution of CDRL PAR-FDCM002AA1M9511
C951396-00-V	Richard Bagley	V049-1-009, Rev. 0	12/1/95 Estimated Electrical Loads
C951397-00-V	* *	V049-1-010, Rev. 0	12/21/95 Preliminary Estimate of Cooling Water Heat Loads
C951398-00-O	* *		12/27/95 LIGO Verification and Operational Demonstration Matrix
C951399-00-O	•		12/19/95 Electromagnetic Compatibility
C951400-00-O	Tim Melott		12/21/95 Mid/End Station CDS and Vacuum Equipment Cooling Loads
C951401-00-O			12/19/95 Record of Telephone Conversation re. Dimensional Tolerance for BTE Slab
C951402-00-B			12/15/95 Notification of Early Release for Tubemill Weld Equipment Purchase
C951403-00-O	Karl Drobny		12/15/95 Status Report, Period Ending 15 December 1995
C951404-00-O	Karl Drobny		12/15/95 Stranco Invoice #6856
C951405-00-O	Karl Drobny		12/13/95 Minutes of Construction Meeting with Stranco held on 12 December 1995
C951406-00-V	•		11/27/95 Transmittal of Updated Meeting Minutes for Project Meetings 1 through 5 (CDRL 08)
C951407-00-O	* *		12/19/95 Pre-Bid Questions
C951407-00-O			12/19/95 Pre-Bid Questions
C951408-00-P			12/19/95 LIGO Contracts with PSI and Rough Grading Contract
C951409-00-R	Hank Banas		12/19/95 Quotations
C951410-00-P	Jim Cheshire		12/19/95 Request for Invoice Approval
C951411-00-O			12/15/95 Pre-Bid Questions
C951412-00-O			12/19/95 Tolerances
C951413-00-O	Tim Melott		12/26/95 Response to TDM 95-21 re. Lightning Protection
C951414-00-B	Lance Buboltz		12/22/95 Requests for Information #1-3
C951415-00-B	Karen Sandberg		12/11/95 Approval of Subcontract with CBI
C951416-00-O	Karl Drobny		12/28/95 Livingston Field Office Telephone/FAX Numbers and Address
C951417-00-O	Larry Swartz		12/28/95 Pre-Bid Questions
C951418-00-O	Angie Morrin		12/27/95 Request for List of Plan Holders
C951419-00-D	Ramin Lalezari		12/27/95 Suitable Mirror Cleaning Method
C951420-00-O			12/27/95 Check for Plans/Drawings for IFB JT222
C951421-00-O	Larry Swartz		12/26/95 Pre-Bid Questions
	Jack C. Williams		12/21/95 Pre-Bid Question re Pre-Cast Concrete Enclosures
C951423-00-V	Joe Mansberger		12/22/95 Answers to Questions re Multi-Vac Ion Pump Controller
C951424-00-D	Ramin Lalezari		12/22/95 ULE Cavities
C951425-00-P	Steve Clayton		12/21/95 Quotation for Installation of Data Cables - West Bridge 3rd Floor
C951426-00-O	Phil Gilmore		12/26/95 Pre-Bid Questions
C951427-00-O	Doug Barab		12/26/95 Recommended Location for Electrical Lines
C951428-00-B	Lance Buboltz		1/3/96 Purchase Order Submittal to Caltech: P.O. #95111400001 (PRD for Pipe Mill)
C951429-00-O			12/29/95 Invoice for Job #402117 for Period Ending 1 December 1995
C951430-00-O			12/29/95 Invoices for Job #s 402117, 402118 & 402120 for period Ending 1 December 1995
C951431-00-O	Tim Melott		12/27/95 OSB Design Criteria/Assumptions
C951432-00-V	Richard Bagley		12/27/95 Telecon with John Worden on 21 December 1995
C951433-00-D	Andreas Nonnenmacher		10/13/95 Cost/Manhour Summary and Metrology Flow
C951434-00-O	Mel Weingart	CM-951118-F01	11/21/95 Construction Sign to Be Provided by Stranco
C951435-00-P		W95-5777	11/21/95 Quotation from VMIC
C951436-00-O	Jeff Hermann	951120-0	11/30/95 Technical Interchange Meeting - Grounding and Shielding Meeting Minutes for 20 November 1995
C951437-00-V		V049-PL-020	11/27/95 Large Gate Valve Weld Stubs
C951438-00-P	* *		11/27/95 Extension of Contract PP045667 with MIT
C951439-00-P	-		11/26/95 Additional Information Requested for LIGO-C951202-00-P
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951440-00-O	Kathie Smith		11/21/95 Beam Tube Slab - Hanford
C951441-00-O	Jeff Hermann		11/27/95 Facility Monitoring and Control Systems Options Worksheet
	Andreas Nonnenmacher		11/27/95 Cost Summary for Pathfinder Expenditures through 24 November 1995
C951443-00-O			12/8/95 Pre-Bid Questions
C951444-00-O	·		12/8/95 Pre-Bid Questions
C951445-00-O	<u> </u>		12/8/95 Pre-Bid Questions
	James Brookhouser		11/8/95 Request Authority to Subcontract with Outside Associate
C951447-00-B			12/7/95 Beam Tube/Vacuum Equipment Interface
C951448-00-O	•		12/8/95 Pre-Bid Questions
C951449-00-O		CM-951207-F01	12/8/95 Weekly Status Report for Livingston
C951450-00-P	*		12/12/95 Close-out Invoice for LANL Work Order with Los Alamos
-	Irena Petrac		12/13/95 Work Order with Los Alamos Laboratory
C951452-00-D		3656	12/8/95 Quotation for Polishing LIGO Pathfinder Test Mass Blanks from General Optics, Inc.
C951453-00-P	Irena Petrac		12/13/95 Work Order with Los Alamos National Laboratory
-	John Worden		12/13/95 Technical Direction Memorandum (TIM) 95-04 - Approval of Project Management Plan
C951455-00-V			12/13/95 Transmittal of Concurrence Letter for TDM 95-04
C951456-00-B	Larry Jones		12/14/95 Transmittal of Construction Bid Package for Hanford Beam Tube Enclosure
C951457-00-D	•		11/17/95 Coating Options for Test on 18-19 December 1995
-	Irena Petrac		12/14/95 P.O. # PC188099 with Butler Services Group for Technical Support Consisting of CAD Design Services
C951458-03-P	Irena Petrac		3/18/97 Change Order #3 to P.O. PC188099 with Butler Services Group - Extension of Performance Period through 3/31/97
	Irena Petrac		3/20/97 Change Order #4 for P.O. PC188099 with Butler Services Group
-	Irena Petrac		5/19/97 Change Order #5 to P.O. PC188099 with Butler Services Group - Additional Technical Support
C951459-00-B	Larry Jones		12/15/95 Information Regarding the Monitoring of Spiral Weld Quality (CDRL #15)
C951460-00-P	Irena Petrac		12/18/95 P.O. PC 188097 with Cygnus Laser Corporation for the Development of Computer Modeling Capability for the Recycled LIGO Interferometer
C951460-01-P			10/8/96 Change Order #1 to P.O. PC188097 with Cygnus Laser Corporation
C951461-00-D			12/18/95 Weekly Report, dated 18 December 1995
C951462-00-P	Irena Petrac		12/19/95 Transmittal of P.O. PC157708 (LIGO-C950587-06-P)
C951463-00-P	Irena Petrac		12/19/95 Transmittal of P.O. PC 188099 (LIGO-C951458-00-P)
C951464-00-O	Ed Jasnow		12/19/95 Temporary Power for the LIGO Construction site at Livingston, LA
C951466-00-O	Ed Jasnow		12/20/95 Addendum No. 1 to IFB # JLT 222 for Sitework and Precast Fabrication at Hanford, Washington
C951467-00-O	Fred Asiri		12/21/95 TDM 95-21: Review and Incorporation into Design and Cost for Lightning Protection
C951468-00-O	Fred Asiri		12/20/95 TDM 95-20 (Supercedes TDM 95-19), Proceed with Design of LIGO Faciliites based on Requirements Stated in LIGO-T950113-05-O
C951468-00-P	Irena Petrac		12/20/95 Advance Copy of Purchase Order for Review
C951470-00-V	John Worden		12/21/95 Technical Information Memorandum (TIM) 95-09 - Informing PSI of CIT's Decision NOT to Act on Change Order Requests
C951471-00-V	John Worden		12/21/95 Technical Information Memorandum (TIM) 95-10 - Request for Quote for Scope Reduction
C951473-00-V	John Worden		12/21/95 Transmittal of TIM 95-09 and 95-10, and Preliminary Electrical Information for Hanford
C951474-00-V	John Worden		1/26/96 Technical Information Memorandum (TIM) 11 - Approval of Change Order Request #7
C951475-00-V	John Worden		12/21/95 Transmittal of TDM 95-11 to PSI re. Change Order Request #7
C951476-02-O	Ed Jasnow		12/27/95 Addendum #2 to IFB JT 222 for Sitework and Precast Fabrication at Hanford, WA
C951477-00-O	Ed Jasnow		12/27/95 Addendum #2 to IFB # JLT222 for Sitework and Precast Fabrication at Hanford (LIGO-C951476-02-O)
C951478-00-D	Dr. Chris Walsh		12/27/95 Weekly Report to 25 December 1995
C951479-00-D	Dr. Chris Walsh		12/28/95 Travel Quotes for Fares to Los Angeles for March Review Meeting
C951481-00-B		CBI-CT 2.2/0016	12/6/95 Equipment Qualification Test Procedure
C951482-P-U			12/6/95 Extension if ISF's Grant Assistance Program (GAP) for Calendar Year 1996
C951484-00-O	Jerry Seuzeneau		12/8/95 Pre-Bid Questions
C951485-00-P	Aaron R. Asrael		10/27/95 Approval of Change Order 2 to REO Contract for Procurement of Large Optic Spin Cleaning Equipment
C951486-00-O	Jeff Hermann	951206-0	12/7/95 Minutes of Meeting
	Willie J. Fontenot		12/8/95 Copy of Airborne Express Receipt
C951488-00-P			12/7/95 Quotation from Jupiter Systems
C951489-00-V	*	V049-PL-032	12/8/95 48 Inch Expansion Bellows
C951490-00-O	Karun Sreerama		12/8/95 Pre-Bid Questions
C951491-00-P		3656	12/8/95 Quotation for Polishing LIGO Pathfinder Test Mass Blanks from General Optics, Inc.
C951492-00-O			12/8/95 Pre-Bid Questions
C951493-00-B	•		12/8/95 Vacuum Equipment Interface Issues
C951494-00-V	Dick Curtis	V049-TN-014	12/8/95 BSC Prototype Long Lead Material
C951495-00-C			12/8/95 Actions Required for Evalution Version of Sammi 4.0
C951496-00-O			12/8/95 Pre-Bid Questions

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C951497-00-O		CONTRACTORDOCINO	12/8/95 Pre-Bid Questions
C951497-00-O			12/8/95 Pre-Bid Questions
C951498-00-O			12/8/95 Pre-Bid Questions
			12/8/95 Pre-Bid Questions
C951499-00-O			
C951500-00-B	•		6/15/95 Required Changed in the Detailed Design of the Beam Tube Modules
C951501-00-B	Larry Jones		6/21/95 Required Changes for Detailed Design of the Beam Tube Modules
C951502-00-P	David Mar 20 aldara		10/6/95 Quotation for QMG421 from Balzers
C951503-00-O		050440.4	10/6/95 Preliminary Vibration Amplitudes of the Air Handling Foundations for the Corner, Mid, and End Stations
C951504-00-O C951505-00-O		950110-1	1/15/95 Kick-Off Meeting Minutes for 10 January 1995
	wike ronidian	0695-1091, Supmt 1	10/31/95 Estimated Cost Breakdown for Construction Materials Engineering and Testing Services in Livingston
C951506-00-O	David A. La Dalla		10/31/95 Preliminary Cost Estimate Breakdown
C951507-00-B			10/31/95 Proposed Changes to Commercial Provisions for RFP KD 215 Options
C951508-00-O		V040 DL 00	10/31/95 Revised Power Sales Contract
C951509-00-V	• •	V049-PL-09	11/1/95 Telecon with John Worden on 1 November 1995
C951510-00-V		V049-TN-06	11/2/95 Telecon Between Dick Curtis and Allen Sibley re. Clarification/Update of What LIGO Will Supply for PSI's Electrical Requirements
C951511-00-V	~ .	V049-PL-10	11/2/95 PDR Update Package (CDRL 1) Preliminary Comments
C951512-00-O			10/27/95 Power Sales Contract
C951513-00-O			11/2/95 Skektch of LIGO/EPC Crossing Pad
C951514-00-P			10/30/95 Calculations Regarding MTDC and CSR Bases
C951515-00-D			11/2/95 Metrology Proposal for Core Optics, DRAFT
C951516-00-M			10/13/95 Advance Copy of Section 2 of the Committee Report in Final Draft Form
C951517-00-V	• •		8/24/95 PSI Comments on Statement of Work (LIGO-C950330-00-P)
C951518-00-P		40740	8/24/95 Authorization to Purchase Equipment PP045667
C951519-00-D		40718	8/24/95 Invoice Billing
C951520-00-O		051100.1	11/29/95 Heat Gains at LVEA Building
C951521-00-U		951129-1	11/29/95 Facility Monitor and Control System Options, Draft
C951522-00-P			11/28/95 Grant Cost Activity for November 1995
C951523-00-O	Jett Hermann		11/14/95 Alternates for Beam Tube Enclosure
	LIST Assists DE		AA/AA/OF) (burning to leaf of our Hadron March out of DDD Document DDD Document of our
	Hal Amick, PE		11/14/95 Vibration Isolation Under Mechanical Equipment, PDR Presentation
C951525-00-P	· ·		11/14/95 Invoice Billing
C951525-00-P C951526-00-P	Jim Cheshire	V040 TN 09	11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation
C951525-00-P C951526-00-P C951527-00-V	Jim Cheshire Richard Bagley	V049-TN-08	11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden
C951525-00-P C951526-00-P C951527-00-V C951528-00-O	Jim Cheshire Richard Bagley Paul Weickert	V049-TN-08 92185	11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann		11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann		11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O C951531-00-O	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann Hal Amick, PE		11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222 11/15/95 Vibration Analysis of Optical Baffles
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O C951531-00-O C951532-00-D	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann Hal Amick, PE Michael Sutcliffe	92185	11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222 11/15/95 Vibration Analysis of Optical Baffles 11/15/95 Air Filters
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O C951531-00-O C951532-00-D C951533-00-V	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann Hal Amick, PE Michael Sutcliffe Richard Bagley	92185 V049-TN-09	11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222 11/15/95 Vibration Analysis of Optical Baffles 11/16/95 Telecon of 16 November with John Worden
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O C951531-00-O C951532-00-D C951533-00-V C951534-00-O	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann Hal Amick, PE Michael Sutcliffe Richard Bagley Karl Drobny	92185	11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222 11/15/95 Vibration Analysis of Optical Baffles 11/16/95 Telecon of 16 November with John Worden 11/17/95 Weekly Status Report - Livingston
C951525-00-P C951526-00-P C951527-00-V C951528-00-O C951529-00-O C951530-00-O C951531-00-O C951533-00-V C951533-00-V C951535-00-P	Jim Cheshire Richard Bagley Paul Weickert Jeff Hermann Jeff Hermann Hal Amick, PE Michael Sutcliffe Richard Bagley Karl Drobny Gus West	92185 V049-TN-09 CM-951117-F01	11/14/95 Invoice Billing 11/14/95 Quotation for Baffle Oxidation from Certified Steel Treating Corporation 11/14/95 Telecon of 14 November 1995 with John Worden 11/14/95 Preliminary Design Review (PDR), Facility - Hanford 11/14/95 Summary of Work Section from IFB JLT 222 11/15/95 Unit Price Section of IFB JLT 222 11/15/95 Vibration Analysis of Optical Baffles 11/16/95 Telecon of 16 November with John Worden 11/17/95 Weekly Status Report - Livingston 11/17/95 Additional Information from Butler Service Group for a CAD Designer
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Document No		ContractorDocNo	Doc Dt Full Title
C951556-00-O	Otto Matherny		8/2/95 Cost Estimates for High Voltage Lens and Transformers
C951557-00-O	Bruce Etzel		7/21/95 Summary Proposal for Providing Electrical Service at Hanford
C951558-00-O	Bruce Etzel		9/1/95 RFP Bid Questions
C951559-00-O	Bruce Etzel		9/5/95 Answers to the Four Questions Referred to in the Letter Dated 8/23/95
C951560-00-O	Karun Sreerama		11/8/95 Ligo Project Law Proposal HP-9983-95C Project Cost Estimate
C951561-00-D			12/1/95 Optics Installation Procedure
C951562-00-V	Richard Bagley	VO49-PL-23	11/27/95 Technical Direction Memorandum No. 05
	Jan Szwed		12/3/95 Estimated Sales Tax For Ligo Livingston Project
C951564-00-P		CD-JMS-2608	11/13/95 Proprietary Information Non-Disclosure Agreements
	Joan Collins		12/1/95 Invoice for Milestone 9B
C951566-00-O		VO49-TN-11	11/21/95 BSC Chamber & Nozzle "B & C" ID's
C951568-00-B	v		11/13/95 Updated Master Procedures List for Current Scope of Work.
C951569-00-V		V049-TN-12	11/24/95 BSC Deflection Due to Vacuum Load.
C951570-00-V	,	V049-TN-13	11/29/96 Telecon of 11/28/95 With John Worden.
C951571-00-V	• •	V049-TN-10	11/17/95 Discussion of I.D. Dimensions of BSC Chamber With Contract Tolerances.
C951572-00-O			1/20/95 Ligo Weekly Activity Report for Weekending 1/20/95
C951573-00-O			1/10/95 Minutes from Kick-off Meeting
C951574-00-O			9/15/96 Proposal from Stranco
C951575-00-V		VO49-TN-14	11/30/95 Telecon Notes of 11/29/95 with John Worden
C951576-00-O			12/11/95 Pre-Bid Questions
C951577-00-O			12/11/95 Hanford Beam Tube Enclosure Pre-Bid Questions
C951577-00-O)		12/11/95 Hanford Beam Tube Enclosure Pre-Bid Questions
C951578-00-P	,	9512110260MJC	12/11/95 Quotation - Cybernetics
C951579-00-P			12/19/95 Cost Elements Breakdown
C951580-00-O			12/19/95 Field Work Directive for Stranco
C951581-00-O	•	951118-FPC-01	11/20/95 RFI #4 - Survey Monuments for Rough Grading
C951582-00-V	• •	VO49-PL-018	11/18/95 LIGO Vacuum Equipment Procurement
	Jim Cheshire	MJC-SMV256635	11/14/95 Verification of Service and Invoice Approval
C951584-00-O	•	CM-951201-F01	12/1/95 Weekly Status Report
C951585-00-O		Inv.#00060159	11/21/95 Transmittal of Invoice #00060159
C951586-00-O		Inv.#00055992	11/21/95 Transmittal of Invoice No. 00055992
C951588-00-O			7/21/95 Transmittal of Drawings
C951652-00-O		951204-0	5/19/95 LIGO Rough Grading Final Report 12/4/95 LIGO Technical Foundation Analyses, Executive Summary and Discussions
C951653-00-O	Jett Herrman		
C951654-00-M	Cama Canadana	27-111525 (inv. #)	6/27/95 Invoice for Legal Services from Kean, Miller, Hawthorne, D'Armond, McCowan and Jarman
C951655-00-M C951656-00-D			8/9/95 P.O. PC168480 with Kean, Miller, et. al - Legal Services, Livingston 8/16/95 Black Glass Samples
C951657-00-P			11/27/95 11/22/95 MIT Fax Request for Foreign Travel Approval
	•	CBI-CT 2.3/0007	12/11/95 Foundation Load Summary
C951658-00-B	•	CBI-C1 2.3/0007	8/9/95 P.O. PC168479 with Perkins Coie - Legal Services, Hanford
C951659-00-M	Ralph M. Parsons Company		5/26/95 Facilities Trade Study (CDRL 10, DRD 04)
C951661-00-V		V049-LP-20	12/12/95 Transmittal of Signed TDM 06
C951662-00-V	• •	V049-LP-20 V049-LP-19	12/12/95 Transmittal of Signed TIM 07
C951663-00-V	• •	V049-LP-19 V049-LP-18	12/12/95 Transmittal of Signed TIM-06
C951664-00-V		V049-LF-18 V049-PL-41	12/12/95 Transmittal of Signed TIM-08
C951665-00-B	,	70-70 I E 7 I	12/14/95 Sketch of 48" Gate Valve
C951667-00-O	•	950302-0	3/2/95 Trip Report from Facility at White Sands, NM called the Large Blast/Thermal Simulaltor (LB/TS)
C951668-00-B	•	CBI-CT 2.2/0010	11/10/95 Contract Payment Milestones/Schedule
C951669-00-O		3=: 2: 2:2,0010	9/26/95 Proposal Submittal for RFP JL221, Rough Grading in Livingston
C951670-00-O			9/26/95 Proposal for RFP JL 221, Rough Grading in Livingston
	Ralph M. Parsons Company		8/26/95 Livingston Rough Grading Bid Set (Project Manual & Boring Identification Tables), August 1995
	Garilynn Billingsley		7/13/95 Technical Direction Memorandum (TDM) 001 - Inscription of COC-A004
	Garilynn Billingsley		7/13/95 Technical Direction Memorandum (TDM) 002 - Inscription of COC-A008
	Process Systems Int'l, Inc.		6/27/95 Preliminary Design Review (PDR), LIGO Vacuum Equipment System - PSI
C951683-00-O		950710-1	7/10/95 Return of Security Disk
C951684-00-M			6/27/95 NSF Approval of Change Orders 10 through 13 of the MIT Subcontract for Period 12/1/94 through 7/31/95
C951685-00-M			6/27/95 NSF Approval for Proposed Subcontract with Hughes Danbury Optical Systems (HDOS)

Document No Full Name	ContractorDocNo	Doc Dt Full Title
C951686-00-P Linda Turner	Contractor Doction	8/10/95 Distribution of CDRL #PAR-FDCM010AB1X01
C951687-00-V John Worden		12/19/95 Agreements and Commitments with PSI
C960000-00-U		5/30/96
C960001-00-P William O. Miller		1/2/96Invoice for Work Performed in December 1995
C960002-00-O Fred Asiri		1/3/96 Transmittal of LIGO-E950108-00-E
C960003-00-O Fred Asiri		1/3/96 Transmittal of LIGO-E950106-00-E
C960004-00-O Fred Asiri		1/3/96 Transmittal of LIGO-E950098-00-E
C960005-00-P Irena Petrac		1/2/96 Transmittal of Exhibit 1, Special Provisions (LIGO-C951460-00-P01)
C960006-00-O John James Blas	IIC	1/3/96 Rough Grading Amendment
C960007-00-P Struct. Dyn. Res.		1/2/9644303.09252
C960008-00-O Joe Correy	Corp.	1/2/96Pre-Bid Questions
C960009-00-B Lance Buboltz		1/2/96 Draft Meeting Agenda for Project Status Review, 8 January 1996
C960010-00-O Ed Jasnow		1/5/96 Undercut Requirement for the LIGO Rough Grading Work in Livingston (P.O. PC 186218, LIGO-C951275-00-O), Amendment
C960014-00-P Irena Petrac		1/3/96 Transmittal of P.O. PC 188097 (LIGO-C951460-00-P) with Cygnus Laser Corp.
C960015-00-B Marty Tellalian		1/4/96 Expansion Joint Calculations by Hyspan
C960016-00-B Ed Jasnow		1/5/96 Revised Request for Change for Data Acquisition
C960017-00-O		1/4/96Bid Proposal for IFB JT 222
C960018-00-O		1/4/96Bid Proposal to IFB JT 222
C960019-00-O		1/4/96Bid Response to IFB JT 222
C960020-00-O		1/4/96Bid Response to JT 222
C960021-00-O		1/4/96Bid Proposal for JT 222
C960022-00-O		1/4/96Bid Proposal for JT 222
C960023-00-O		1/4/96Bid Proposal for JT 222
C960024-00-O		1/4/96Bid Proposal for JT 222
C960026-00-O		1/4/96Bid Proposal for JT 222
C960027-00-O		1/4/96Bid Proposal for JT 222
C960029-00-O		1/4/96Bid Proposal for JT 222
C960030-00-O		1/4/96Bid Proposal for JT 222
C960031-00-P Fred Asiri		1/5/96 Transmittal of LIGO-E950098-A-F
C960032-00-O Andrew Navarre		12/11/95 Concrete Slab
C960033-00-D Dr. Chris Walsh		1/8/96 Paper on a Measurement Technique for Characterising Small Scale Length Surface Errors in Optical Substrates
C960033-06-P Ed Jasnow		1/9/96 Change Order #6 to P.O. PC091363 with Woodward-Clyde
C960034-00-D Garilynn Billingsle	V	1/8/96 Transmittal of CSIRO Preliminary Information (LIGO-C960033-00-D)
C960035-00-F Gerry Stapfer	,	4/16/96Building Design Process
C960036-03-V Richard Bagley	V049-2-005, Rev 3	1/5/96 Specification for 112 and 122 CM Gate Valves for LIGO Vacuum Equipment (V049-2-005, Revision 3)
C960037-00-O James Anderson	1010 2 000, 1101 0	1/4/96 Pre-Bid Questions
C960038-00-O Kai Ramsing		1/4/96 OSB Electrical and Heating Load, Revised
C960039-00-P McMaster-Carr S	IDD CO	1/4/96 Quotation for Short Size Stainless Steel Spring Plunger
C960040-00-V Jerry Seuzeneau		1/5/96 Liquid Nitrogen Pricing for LIGO Project at Livingston
C960041-00-O Ray Holder		1/5/96 Parsons Review Comments on fhte Stranco, Inc. Quality Control Program
C960042-00-P McMaster-Carr S	IDD. Co.	1/4/96 Quotation for Short Size Stainless Steel Spring Plunger
C960043-00-O Ray Holder	F-HO-0004	2/8/96 Field Weekly Report - Livingston, dated 8 February 1996
C960044-00-P Felix Fernandez		1/4/96 Quotation for AutoCAD Level 1 Training
C960045-00-O Kai Ramsing		1/3/96 OSB Electrical and Heating Load, DRAFT
C960046-00-V Richard Bagley		1/5/96 Teleconversation of 26 October 1995 between John Worden and Rich Bagley
C960047-00-P Irena Petrac		12/5/95 P.O. PP185967 for UAI/Nastran Finite Element Computer Program for Hytec
C960048-00-P Irena Petrac		1/9/97 Advance copy of Change Order #12 for P.O. PC157708 with Telos
C960048-00-V Stu Motew		1/5/96 Portable Water Chillers
C960049-00-D Alan Rohay		1/5/96 Livingston Corner: RMS and Median Spectra
C960050-00-D Alan Rohay		1/5/96 Livingston West End: RMS and Median Spectra
C960051-00-D Alan Rohay		1/5/96 Livingston South End: RMS and Median Spectra
C960052-00-V Tom Starr		12/5/95 Proposed Meeting Agenda for Design Review at GNB on 11 January 1996
C960053-00-R Jolanta Soos		1/5/96 Quotation for Acousto-Optic Frequency Shifter
C960054-00-P Sandi Swarthout		1/5/96 Estimate of Costs for Detail Design and Fabrication of the Mirror Testing Fixtures
C960054-01-P		1/10/96 Estimate of Costs for Detail Design and Fabrication of Mirror Testing Fixtures, Revision 1, ,dated 10 January 1996
C960055-00-P Irena Petrac		1/3/96 Advance Copy of Change Order for FY96 Support
C960056-00-P Irena Petrac		1/9/96 Indemnification and Insurance/LIGO Subcontract with Butler Services Group (P.O. PC 188099, LIGO-C951458-00-P)

Document No Full Nam	ne ContractorDocNo	Doc Dt Full Title
C960057-00-D Dr. Chris	s Walsh	1/9/96 CSIRO Agenda - Metrology Review for 15-16 January 1996
C960058-00-O Ed Jasno	DW W	1/9/96 Results of Bid Opening for Award of Contract for Hanford Beam Tube Enclosure Sitework and Precast Fabrication (IFB JLT222, LIGO-C951476-00-O)
C960059-00-D Dr. Chris	s Walsh	1/9/96 CSIRO Agenda for Metrology Review, 15-16 January 1996
C960061-00-V David Mo	c Williams	1/10/96 Mid/End Station Orientation, LN2 Tank Slab Elevation
C960063-00-O Otto Mat	herny	1/12/96 Transformers for the Hanford Site of the LIGO Project
C960064-00-E Albert La	nzzarini	1/15/96 Minutes of Kickoff Meeting with Cygnus
C960066-00-O Ed Jasno	ow	1/17/96 Notification of ACME Materials and Construction as Winner of Bid for JLT 222 (LIGO-C951476-00-O)
C960067-00-P		1/10/96 Estimate of Costs Associated with the Detail Design and Fabrication of Mirror Testing Fixtures
C960068-00-B Larry Jor	nes	1/19/96 TIM - 001Responding to RFI #4 and #5
C960069-00-D Dr. Chris	s Walsh	1/9/96 CSIRO Costs for Certification Review Meeting
C960071-00-D Garilynn	Billingsley	1/19/96 Permission to Copy Metrology Review Presentation
C960074-00-O Ed Jasno	ow	1/4/96 P.O. #PC189539 with Acme for Hanford Beam Tube Enclosure
C960074-01-O Ed Jasno	ow	2/14/96 Change Order # 1 for P.O. PC189539 with ACME Materials and Construction Co.
C960074-02-O Ed Jasno	ow	6/12/97 Change Order #2 for P.O. PC189539 with Acme Materials & Construction Co.
C960076-00-P Irena Per	trac	1/8/96 Caltech Patent Agreement/Contractor Personnel
C960077-00-D Dr. Chris	s Walsh	1/9/96 Proposed Agenda for Metrology Review, 15-18 January 1996
C960078-00-O Ed Jasno	DW W	1/24/96 P.O. PC189842 with ABMB Engineers, Inc. for Surveying Support Services in Livingston
C960078-01-O Ed Jasno	DW W	4/3/97 Change Order #1 for P.O. PC189842 with ABMB Engineers, Inc Close out of contract
C960079-00-O Tim Melo	ott	1/4/96 Lightning Protection - Additional Information for Parson's Letter 951226-0
C960080-00-V Richard I	Bagley	1/5/96 Pump Cart Preliminary Sizing
C960081-00-O Kai Ram	sing	1/9/96 Completed Commercial Electric Service Inquiry for Livingston
C960081-00-O Tim Melo	ott	1/9/96 Completed Commercial Electric Service Inquiry for Livingston
C960082-00-O Ray Hold	der	1/10/96 Stranco's Proposal on Using PEA Gravel in Lieu of Backfill Dirt
C960083-00-B Larry Jor	nes	1/4/96 Agenda for Project Status Review Meeting on 8 January 1996
C960084-00-O Jan Szwo	ed	1/3/96 Stranco Proposal for Use of Concrete Slabs
C960084-00-O Ray Hold	der	1/3/96 Stranco Proposal for Use of Concrete Slabs
C960085-00-O Sandi Sv	varthout	1/10/96 BackerSeal Expanding Foam Sealant
C960086-00-O Tim Melo	ott	1/10/96 Electrical/Mechanical Loads
C960087-00-B Marty Te		1/10/96 Design Calculation from Hyspan for Different Expansion Joint Configuration
C960088-00-O John Jan		1/8/96 Record of Telephone Conversation re the Livingston GPS Survey
C960090-0-O Mel Weir	_	1/11/96 LVEA/VEA Foundation Air Gap
C960091-00-O Tim Melo		1/11/96 Transformers for Hanford Site of the LIGO Project
C960092-00-P Jim Ches		1/12/96 Invoices for Payment and Adjustment
C960093-00-V Richard I	<u> </u>	1/12/96 R.O.M. Price for Change Order #5 - Cooling Water Supply for the Roots and Turbo Pumps
C960094-00-V Dick Cur		1/12/96 Mid and End Station Mechanical Room Layouts
C960095-00-B Lance Bu		1/12/96 Notification of Early Release for Purchase of Leak Test Equipment
C960096-00-B Lance Bu		1/9/96 Project Status Review Data Package - CDRL 25a (CBI-FI025AA1M9601)
C960096-00-P Linda Tu		1/12/96 Distribution of CDRL PAR-FDCM010AF1X01 - Preliminary Design Report, Final - Disposition of Review Comments
C960097-00-O Arthur Th		1/5/96 LIGO Topographic Survey - Livingston
C960098-00-B Lance Bu		1/15/96 Load Applied to the Beam Tube Terminations
C960099-00-O Rick Sav	rage	1/16/96 Livingston Pipelines
C960100-00-O		1/16/96 1995 Contact Directory and 1994 Financial Statement
C960102-00-O Tim Melo		1/11/96 Finalized Ratings of the Power Transformers for the Mid and End Stations for Hanford Site of the LIGO Project
C960103-00-O Tim Melo		1/11/96 Transformer for LIGO Hanford Site Water Pump - Supplemental Information to Parsons Letter 960111-0
C960104-00-P Linda Tu		1/19/96 Distribution of PSI Specification V049-2-011
C960105-00-P Linda Tu	rner	1/19/96 Distribution of PSI Specification V049-2-010
C960106-00-P		1/19/96 JPL Task Plan # 30-4008A for LIGO Optical Modeling
C960107-00-V Linda Tu		1/19/96 Distribution of PSI Specifications V049-2-001, V049-2-002, V049-0-003, V049-2-033
C960111-00-D William (J. Miller	1/22/96 Weekly Status Report, Week Ending 19 January 1996
C960112-00-O	000447.0	1/12/96 Change of Company Name for Parsons 1/12/96 Coat Breakdown for the Boom Take Englosure Lightning Distortion System and Balated Contractor Experience
C960113-00-O Tim Melo		1/17/96 Cost Breakdown for the Beam Tube Enclosure Lightning Protection System and Related Contractor Experience
C960114-00-O Mel Weir	_	1/17/96 Engineering Change Proposal (ECP) #9, Vacuum Equipment Location
C960115-00-O Doug Ba		1/16/96 Status of the LIGO Electrical Distribution System
C960116-00-O Doug Ba		1/16/96 Status of the Power to the LIGO Site
C960117-00-P Linda Tu		1/25/96 Distribution of LIGO-E960008-00-V, Specification for Piping Design and Material for the Vacuum Equipment
C960117-00-V Richard I	• •	1/22/96 Specification for Piping Design and Material for Vacuum Equipment
C960118-00-O Fred Asia		1/23/96 Transmittal of LIGO-C960116-00-O, LIGO-C960115-00-O, and LIGO-C960097-00-O

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C960119-00-P	Linda Turner	CBI-CT-2.2/0028	1/23/96 Distribution of CDRL CBI-BTF040AA1X01
C960120-00-O	Mel Weingart	960123-1	1/23/96 Hanford Beam Tube Enclosure Sitework and Precast Fabrication Contract, January 1996
C960121-00-O	Mel Weingart	960115-0	1/15/96 Livingston Rough Grading Contract - Procedure Modification
C960122-00-O	Tim Melott	960123-0	1/23/96 Moses Lake Building Frequency vs. LIGO Building Frequency due to Wind
C960123-00-O	Tim Melott	960122-1	1/22/96 Statement of Work for Survey Contractor to Support the LIGO Construction Contract
C960124-00-B	Lance Buboltz	CBI-CT-2.2/0030	1/22/96 Comments on Interface Control Document (ICD) Beam Tube (BT) - Civil Construction (CC) Specification (LIGO-E950089-00-E)
C960126-00-V	Richard Bagley	V049-PL-067	1/24/96 Change Order Request #15 - Add an 8" Port to the Main Ion Pumps
C960127-00-B	Lance Buboltz	CBI-CT-2.3/00XX	1/26/96 Request for Information (RFI) #6 - Beam Tube Valve Soft Support
C960128-00-P			1/25/96 Quotation for TP912 Board from Tadpole Technology
C960129-00-B	Paul A. LoBello	CBI-CT-2.2/0033	1/25/96 Travel and Meeting Rates for Project Team
C960130-00-B	Lance Buboltz	CBI-CT 2.3/0026	1/24/96 Notification of Early Release for Purchase of the Equipment and Baking Services Needed to Bake the Beam Tube and Expansion Joint Material
C960131-00-B	Lance Buboltz	CBI-CT 2.3/0027	1/24/96 Notification of Early Release for Purchase of Weld Material
C960131-00-D	Rai Weiss		7/15/96 Calculations
	Lance Buboltz	CBI-CT 2.3/0028	1/24/96 Notification of Early Release for Purchase of Expansion Joints
C960133-00-P			1/26/96 Notification of Increase in Number for P.O. PP188362-75JH
C960134-00-O			1/24/96 Invoice # 00352083 dated 18 January 1995 for period ending 29 December 1995
C960135-00-O			1/24/96 Invoice #'s 00349749, 003497950, 00349751 for period through 1 December 1995
C960136-00-P			1/12/96 Quotation and User's Manual for TSAT-VME System Package from Odetics
C960137-00-O			1/15/96 Available Testing Agencies
C960138-00-O		951213-CM/STR0002	1/15/96 Approval for Proposed Variance in Specifications from Stranco
C960139-00-O			1/15/96 Quotes for Precast Concrete Slabs for Pipeline Crossings
C960140-00-O	•		10/26/95 T.L. James Worksheet of Received Retainage
C960141-00-B	Marty Tellalian		1/26/96 Agenda for CBI Technical Services Forum: "The LIGO Project" held 8 February 1996
	Jan Szwed		1/15/96 Cost Breakdown for Concrete Slab at Shell Oil Pipeline Crossing
C960144-00-P		96-C-01-17	1/26/96 Quotation for Baja Boards and Cables
	Karl Drobny		1/25/96 Precast Enclosure Work and Handling Procedure Received from CBI
C960146-00-P		OPT-1093-011996	1/19/96 Quotation for Rigid Resonator from REOI
C960147-00-P		1000RM	1/15/96 Quotation for RELEX Reliability Software
	Irena Petrac		1/29/96 Interim Funding for MIT and TELOS
	Mike Zucker		1/19/96 Vacuum Equipment Configuration Information
	Tim Melott	960205-0	2/5/96 Statement of Work (SOW) for Quality Assurance Testing and General Field Quality Assurance Monitoring for the Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfol
C960150-00-O	,	960205-0	2/5/96 Statement of Work (SOW) for Quality Assurance Testing and General Field Quality Assurance Monitoring for the Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Enclosure (BTE), Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Support Slab, Access Road and Associated Site Work at Hanfold Construction of the Beam Tube Support Slab Slab Slab
C960151-00-D			1/15/96 Work Order for Service of Dave Redding in Support of LIGO Optical Modeling
C960152-00-D			1/25/96 Work Order for Dave Redding
C960153-00-V			1/25/96 TDM 07 - Authorization to Proceed with Purchases Prior to the FDR
C960154-00-V		0440	1/25/96 Transmittal of TDM 07 - Authorization to Proceedd on the Early Procurements
C960155-00-D	Dr. Chris Walsh	C143	1/15/96 LIGO Metrology Review, 15-17 January 1996
C960156-00-E	I I		1/24/96 Contract License Request
C960157-00-B	*		1/26/96 Valve Soft Support
C960158-00-B	•		1/29/96 Special Contractors Meeting
C960159-00-V			1/26/96 TIM 12 - Approving PSI Change Order Request # 3, 4, and 11.
C960160-00-V			1/26/96 Transmittal of TIM 12 1/26/96 Items for Discussion at the Pre-Construction Meeting at Hanford Site
C960161-00-O	•		•
C960162-00-P	Garilynn Billingsley		2/2/96 Transmittal of Annual Report (December 1994 - November 1995) 1/29/96 Transmittal of CSIRO Trip Report and Questions and Plot from Rai Weiss
	, , ,		1/29/96 Notification of Selection for Survey Support in Livingston, P.O. PC189842 (LIGO-C960078-00-O)
C960164-00-O C960166-00-D			1/29/96 Weekly Report, dated 29 January 1996
	Andreas Nonnenmacher		1/26/96 Cost Summary Report, dated 26 January 1996
			1/30/96 Revision of Attachment 2 ot previous Letter
C960169-00-P C960170-00-P	•		1/31/96 Transmittal of Monthly Progress Report for December 1995
C960171-00-P	•		1/31/96 Transformers for the Hanford Site of the LIGO Project
	Prof. Katherine Creath		1/31/96 Responses to Rai Weiss' Questions
C960172-00-D			2/1/96 Proposed Contract for Hanford Beam Tube Enclosure Sitework and Precast Fabrication (IFB JLT 222, LIGO-C951476-00-O)
C960174-00-O	Lu Jasiiuw	96-Q019	1/19/96 Quotation for a 33 MHz Reference Source
C960176-00-P	Richard Bagley	V049-PL-064	1/19/96 Change Order Request #11 - Washington Corner Station Beam Manifold Spool Changes
C960177-00-V		V049-PL-064 V049-PL-065	1/18/96 Critical LIGO Program Procurements
C960178-00-V		V049-PL-065 V049-MM-7	1/18/96 Monthly LIGO/PSI Meeting Minutes for 18 January 1996 - CDRL 8
C300173-00-V	Monard Dagley	V U43-IVIIVI-1	1/ 10/30 WIGHTHING FINE CHING WITHURES TO 10 January 1330 - ODINE 0

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C960180-00-D		COMMUNICIPEDING B	1/15/96 Weekly Report, dated 5 January 1996
C960181-00-D			1/12/96 Weekly Report, dated 12 January 1996
C960182-00-D			1/12/96 Information Requested on the Prototype Mount
C960183-00-V		V049-PL-067	1/26/96 Change Order Request #15 - Add An 8" Port to the Main Ion Pumps
C960184-00-O	0 ,	960122-1	1/22/96 Mid and End Station Redesign Based on Vacuum Equipment
C960185-00-B		CBI-CT-2.3/0032	1/29/96 Request for Information (RFI) #6, Revision 1 - Supply of Soft Support for Beam Tube Valve
C960186-00-P		OBI-O1-2.3/0032	1/31/96 Distribution of CDRL PAR-FDCM003AA1X03, Design Configuration Control Document PDR, Volume 1, Revision 3
C960187-00-O	Linua rumer	014-03400, Rev. 0	1/30/96BTE Precast Segments
C960188-00-P		96-627	1/29/96 Quotation for Computer Workstation
C960189-00-O		F-HO-0004	1/18/96LIGO Louisiana Field Weekly Report, dated 18 January 1996
C960190-00-O		F-HO-0004	1/29/96 Construction Schedule Defined By Work Group
C960191-00-O	Ion Cawad	STR/CM0004	1/29/96 Revised Cash Flow Estimate for LIGO P.O. PC184279
C960191-00-V		V049-PL-060	1/12/96 R.O.M. Price for Change Order Request #11 - Washington Corner Station Beam Manifold Spool Changes
C960192-00-V	• •	V049-PL-061	1/12/96 R.O.M. Price for Change Order Request #11 - Washington Corner Station Beam Mainfold Spool Changes 1/12/96 R.O.M. Price for Change Order Request #12 - Freon Cooling Systems for BTD Main Roughing & Turbo Pumps
C960194-00-V	0 ,	V049-PL-062	1/12/96 R.O.M. Price for Change Order Request #13 - New Requirement for BSC Internal Floor Loading
C960194-00-V	• •	960125-0	1/25/96 Transformers for Hanford Site of the LIGO Project - Corner Station Transformer
C960195-00-O	Tilli Welott	F-HO-0004	1/26/96 LIGO Louisiana Field Weekly Report, dated 25 January 1995
C960197-00-O		F-HO-0004	1/26/96List of Quality Control Labs
C960197-00-O		PP189372-75AA	1/30/96 Purchase Order Confirmation for Acousto-Optic Frequency Shifter
C960198-00-D	Lanca Duboltz	CBI-CT 2.3/0023	1/16/96 Preliminary Dimensions of the Beam Tube Terminations
C960200-00-P	Lance Buboitz	CBI-CT 2.3/0023	·
	Ed 1		1/30/96 LIGO Mission Assurance (FY96) Work Order Summary, dated 30 January 1996 2/2/96 Beam Tube Model - Fabrication and Shipping
C960201-00-B			
C960202-00-V			2/2/96 Technical Direction Memorandum (TDM) 08 - Approval for Expenses Associated with February Review Meetings
C960203-00-V	John Worden		2/2/96 Technical Information Memorandum (TIM) 13 - Responses to Change Order Requests #15, #5, #14, and #12
C960204-00-V	Ou - Mathaman		2/2/96 Transmittal of TDM 08 and TIM 13
C960205-00-O	•		2/2/96 Notification of Award Selection for IFB JLT 221 (LIGO-C951476-00-O)
C960206-00-O	,		2/2/96 Notification of Award Selection for Contract to IFB JLT 221 (LIGO-C951476-00-O)
C960210-00-O			2/2/96 Technical Direction Memorandum (TDM) 96-02 - Deletes TDM 96-01 and Serves as a Replacement
C960214-00-B	•		2/2/96 Technical Information Memorandum (TIM) 003 - Response to RFI #7 - C-EJ-CO Revisions
C960215-00-D			2/5/96 Weekly Status Report
C960216-00-B	,		2/5/96 Quality Plan Notes and Agenda for 13 February 1996 Review Meeting
C960217-00-P		ODI OT 0 0/0007	2/6/96 Response to LIGO Statement of Work (dated 11 January 1996)
C960220-00-B		CBI-CT 2.2/0037	2/2/96 Request for Information (RFI) #8 - Gate Valve Leak Test
C960221-00-B		CBI-CT 2.2/0037	2/2/96 Request for Information (RFI) #9 - GPS Alignment Alternatives
C960222-00-B		CBI-CT 2.2/0037	2/2/96 Request for Information (RFI) #10 - Gate Valve Dimensions
C960223-00-B			2/6/96 Initial Comments to Configuration Management Plan
C960224-00-B			2/6/96 Change Order Request for Data Acquisition
C960225-00-P	•		2/6/96 Revised LIGO FY 1996 Acquisition Plan (Attachment 2 of 1/25/96 letter)
C960226-00-B		CBI-CT-2.3/0033	1/31/96 Revised Technical Review Meeting Agenda for 8 February 1996
C960226-01-B			2/6/96 Revised Agenda for Technical Review Meeting, 8 February 1996
C960227-00-R			4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
C960227-00-R			4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
C960227-00-R			4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
	David Shoemaker		4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
C960227-00-R			4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
C960227-00-R	Peter Fritschel		4/2/96 Proposal Evaluation Report for Procurement for Nd3+ Laser Design and Fabrication
C960228-00-P		3656, Rev. 1	1/30/96 Quotation for Polishing LIGO Pathfinder Test Mass Blanks from General Optics
C960228-02-P		3656, Rev. 2	2/1/96 Quotation to Polish LIGO Pathfinder Test Mass Blanks from General Optics
C960228-03-P		3656, Rev. 3	2/5/96 Quotation to Polishing LIGO Pathfinder Test Mass Blanks from General Optics, Inc.
C960229-00-P			1/29/96 Quotation from Network General
C960230-00-P			1/26/96 Quotation from McInfo
C960231-00-P		2885	1/29/96 Quotation for Computer Workstation
	David Mc Williams	V049-PL-74	2/1/96 Transmittal of Documentation
	David Mc Williams	V049-1-043, Rev. 1	2/1/96 Vacuum Equipment Instrument Air Requirements, Revision 1
	David Mc Williams		2/1/96 Clean Room Crane Cut Sheets
	David Mc Williams	V049-1-033	2/1/96 Heat Load Calculations on 80K Pump (Clean)
C960236-00-V	David Mc Williams	V049-1-037	2/1/96 Steady State LN2 Requirements for 80K Pump and Two Phase Flow Regime Calculations for Supply Line

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C960237-00-V	David Mc Williams	V049-1-038	2/1/96 Heat Load Calculations on 80K Pump (Frosted)
C960238-00-V	David Mc Williams		2/1/96 Data Sheet from the California Fire Marshall on the Clean Room Softwall Material
C960239-00-V	David Mc Williams		1/16/96 LIGO 80K Cryopump - Technical Interchange Meeting
C960240-00-O	Tim Melott	960129-0	1/29/96 Minutes of Meeting Regarding Hanford BTE Slab and Fab. Change Order 1 of 29 January 1996
C960241-00-P	Linda Turner		2/2/96 Distribution of Vacuum Equipment Instrument Air Requirements, Revision 1
C960242-00-P	Linda Turner		2/2/96 Distribution of LN2 Consumption Calculations
C960243-00-P	Linda Turner		2/2/96 Distribution of Heat Load Calculations on 80K Pump (Clean)
C960244-00-P	Linda Turner		2/2/96 Distribution of Data Sheet from the California Fire Marshall on Clean Room Softwall Materials
C960245-00-P	Linda Turner	V049-1-038	2/2/96 Distribution of Heat Load Calculations on 80K Pump (Frosted)
C960246-00-P	Linda Turner		2/2/96 Distribution of Clean Room Crane Cut Sheets
C960247-00-O	Mel Weingart	960202-0	2/2/96 Engineering Change Proposal (ECP) #10, Vacuum Equipment Relocation
C960248-00-B	Lance Buboltz	CBI-CT 2.2/0037	2/5/96 Purchase Order to E.H. WACHS for Equipment to Expand and Machine the Ends of the Beam Tube Assemblies
C960249-00-B	Lance Buboltz	CBI-CT 2.2/0038	2/5/96 Purchase Order to Metlab for Raw Material Bake
C960250-00-D	Andreas Nonnenmacher		2/6/96 LIGO Pathfinder Expenditures through 2 February 1996
C960251-00-O	Karl Drobny	960129-CM-0001	2/5/96 Field Construction Office Meeting Minutes for 25 January 1996
C960252-00-B	Lance Buboltz	CBI-CT 2.2/0042	2/19/96 Invoice #WBS-3169 for Meetings in Pasadena
C960253-00-B	Lance Buboltz	CBI-CT 2.2/0043	2/19/96 Project Status Review Meeting Minutes for 14 February 1996, CDRL 40b, DRD 19
C960254-00-B	Lance Buboltz	CBI-CT 2.2/0043	2/19/96 Meeting Minutes for Technical Review of 8 February 1996
C960255-00-O	Fred Asiri		2/20/96 Transmittal of TDM 96-03 (LIGO-C960256-00-O)
C960256-00-O	Fred Asiri		2/20/96 Technical Direction Memorandum (TDM) 95-03
C960257-00-O	Fred Asiri		2/20/96 Transmittal of Signed ECP #10, Rev. 2
C960258-00-O	Fred Asiri		2/21/96 Transmittal of LIGO L960155-00-E
C960263-00-P	Carol Smith		4/4/96 Advance Copy of CIT Change Order #2 to Existing Terms and conditions for P.O. PC184342 (LIGO-C951178-02-I)
C960266-00-V	Tom Starr	V049-I-25	2/7/96 Valve Particulate Test Methods
C960267-00-V	Tom Starr	V049-PL-84	2/9/96 Transmittal of Project Needs List and Memo re. Large Gate Valve Particulate Test Methods
C960276-00-P	Linda Turner		2/6/96 Distribution of CBI's RFI #8, #9, and #10
C960301-00-V	John Worden		2/7/96 Transmittal of RFI from CBI Regarding the Beam Tube Valves
C960302-00-O	Ed Jasnow		2/7/96 Transmittal of Executed Contract PC181539 (LIGO-C960074-00-O), Hanford Beam Tube Enclosure Sitework and Precast Fabrication
C960303-00-D			2/3/96 Measurements and Analyses of Coatings Developed by REO
C960304-00-D	Prof. Katherine Creath		2/6/96 CSIRO Trip Report, 12-17 January 1996
C960305-00-P	Irena Petrac		2/9/96 JPL/LIGO Work Orders for Quality Assurance and Safety
C960306-00-O	Fred Asiri		2/7/96 Mid/End Stations (Present Design) - Table-Top Review on 1 February 1996
C960307-00-V			2/9/96 Transmittal of PSI Specification V049-2-011
C960308-00-P			2/9/96 Figure Correction for Annual Report (December 1994 - November 1995)
C960309-00-P	'		2/9/96 Figure Correction for LIGO Project Monthly Progress Report (LIGO-M960004-00-P)
C960310-00-O			2/14/96 RFP TL-229 - Surveying Support for Hanford Site
C960311-00-D			2/12/96 Weekly Status Report through 12 February 1996
-	Garilynn Billingsley		2/12/96 Technical Direction Memorandum (TDM) 004 - Shipment of Optics to NIST
C960313-00-O	Mel Weingart		2/7/96 Support of the Hanford Fire Marshall
C960316-00-D		0005724	1/28/96 Invoice from Australian National University
C960317-00-O			2/12/96 Operation Support Building (OSB) - Table-Top Review on 6 February 1996
C960318-00-O			2/13/96RFP EJ-228 - Quality Assurance Testing and Reporting for the Construction of the Beam Tube Enclosure, Beam Tube Support Slab, Access Road and Associated Site Work at Hanford Site
C960319-00-O			2/13/96 Transmittal of RFP EJ-228 (LIGO-C960318-00-O) for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford Site
C960320-00-O			2/13/96 Transmittal of RFP EJ-228
C960321-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960322-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960323-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960324-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960325-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube enclosure and Support Slab at Hanford, WA
C960326-00-O			2/13/96 Transmittal of RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960327-00-O			2/13/96 Change Order #1 to P.O. PC189539 (LIGO-C960074-00-O) for the Hanford BTE and Sitework and Precast Fabrication
C960327-00-O		ODL OT 0 0/0044	2/13/96 Change Order #1 to P.O. PC189539 (LIGO-C960074-00-O) for the Hanford BTE and Sitework and Precast Fabrication
C960329-00-B		CBI-CT-2.2/0041	2/2/96 CBI Request for Information (RFI) #11- Pump Port Hardware Interface Requirements
C960329-02-B		CBI-CT-2.2/0053	3/1/96 CBI Request for Information(RFI) No. 11, Rev. 2 - Pump Port Hardware Interface Requirements
C960337-01-B		OAD 40.4 Day 4	3/29/96 Quality Assurance Manual and QAP;s for ANSI/ASQC Standard Q9001 (ISO 9000), dated 29 March 1996
C960350-01-B		QAP 19.1, Rev. 1	1/18/96 Quality Assurance Procedure (QAP) 19.1 - National Board Repairs and Alterations
C960350-02-B	Lance Budoitz	CBI QAP 19.1, Rev. 2	3/29/96 Quality Assurance Procedure (QAP) for National Board Repairs and Alterations, Revision 2, dated 29 March 1996

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C960351-00-O Charlie			2/28/96 Review Approval for Preliminary Design Package Draft Submittal (LIGO-C951288-00-P) from Parsons
C960352-00-B Lance E			3/8/96 Installation Plan, Draft - CDRL 08, DRD 02
C960352-16-P Earl Frie			4/26/96 No-Cost Extension on MIT Work on PHY-9210038
C960352-16-P Tina Lo			4/26/96 No-Cost Extension on MIT Work on PHY-9210038
C960353-00-B Lance E			3/8/96 Acceptance Test Plan, Draft - CDRL 09, DRD 02
C960353-01-B Marty T		I-CT 2.2/0117	7/17/96 Acceptance Test Plan for LIGO Beam Tube Modules (CDRL 09, Revision 01, DRD 02)
C960354-00-P Linda T			3/11/96 Distribution of CBI CDRL 01, DRD 01
C960355-00-P Linda T			3/11/96 Distribution of CBI CDRL 02, DRD 01
C960356-00-P Linda T	urner		3/11/96 Distribution of CBI CDRL 03, DRD 01
C960357-00-P Linda T	urner		3/11/96 Distribution of CBI CDRL 04, DRD 01
C960358-00-P Linda To	urner		3/11/96 Distribution of CBI CDRL 05, DRD 02
C960359-00-P Linda To	urner		3/11/96 Distribution of CBI CDRL 06, DRD 02
C960360-00-P Linda To	urner		3/11/96 Distribution of CBI CDRL 07, DRD 02
C960361-00-P Linda To	urner		3/11/96 Distribution of CBI CDRL 08, DRD 02
C960362-00-P Linda T	urner		3/11/96 Distribution of CBI CDRL 09, DRD 02
C960363-00-B Lance E	Buboltz CBI	I-CT 2.2/0059	3/8/96 Transmittal of CBI DRD 01 and DRD 02, Drafts (CDRLs 01, 02, 03, 04, 05, 06, 07, 08, 09)
C960364-00-O Tim Me	elott 960	311-0	3/11/96 Interface Location for the Livingston Access Road and the LIGO Site Roads
C960365-00-O Fred As	siri		3/13/96Interface Location for Livingston Access Roads
C960366-00-B Lance E		I-CT 2.2/0061	3/12/96 Design Document Revisions - Design Calculations for CDRL's 10 & 24 - CDRL 10 & 24, DRD 03
C960367-00-B Lance E		I-CT 2.2/0061	3/12/96 Termination ICD - Specification ICD, BTT - CDRL 11, DRD 03
C960367-02-B Marty T		I-CT 2.2/0199	2/7/97 Termination Interface Control Document (ICD) - (CDRL 11, Rev. 2, DRD 03)
C960368-00-B Lance E		I-CT 2.2/0061	3/12/96Module Length - CDRL 12, DRD 03
C960368-02-B Marty T			7/30/96 Module Length (CDRL 12, Revision 2 - DRD 03)
C960369-00-B Lance E		I-CT 2.2/0061	3/12/96 Pump Port Hardware - CDRL 13, DRD 03
C960369-01-B Marty T			7/30/96 Pump Port Hardware (CDRL 13, Revision1 - DRD 03)
C960369-02-B Marty T			8/23/96 Pump Port Hardware (CDRL 13, Revision 2)
C960369-04-B CBI		RL 13, Rev. 4	10/3/96 Pump Port Hardware (CDRL 13, Revision 4 - DRD 03)
C960370-00-B Lance E		I-CT 2.2/0061	3/12/96 Pump Port Hardward ICD - CDRL 14, DRD 03
C960371-00-B Lance E		I-CT 2.2/0061	3/12/96 Spiral Weld Quality - CDRL 15, DRD 03
C960372-00-B Lance E		I-CT 2.2/0061	3/12/96 Cleaning Equipment - CDRL 16, DRD 03
C960372-01-B Marty T		I-CT 2.2/0135	8/13/96 Cleaning Equipment - CDRL #16, DRD #3, Revision 1
C960373-00-B Lance E		I-CT 2.2/0061	3/12/96 Cleanliness Monitoring - CDRL 17, DRD 03
C960373-00-B Lance E		I-CT 2.2/0001	2/7/97 Cleanliness Monitoring (CDRL 17, Rev. 2, DRD 03)
C960374-00-B Lance E		I-CT 2.2/0199	3/12/96 Field Enclosure - CDRL 18, DRD 03
C960375-00-B Lance E		I-CT 2.2/0061	3/12/96 Vacuum Box - CDRL 19, DRD 03
C960375-00-B Lance L		I-CT 2.2/0001	2/7/97 Vacuum Box (CDRL19, Rev. 2, DRD 03)
C960376-00-D Andreas		1-01 2.2/0199	2/13/96HDOS Status Update
C960377-00-D Andreas	5 NOTHERITIACHEI		2/14/96 Transmittal of RFP TL-229 for Surveying Support at Hanford Site
C960378-00-O Tina Lo	www.nth.al		
			2/14/96 Transmittal of RFP TL-229 for Surveying Support at Hanford Site
C960379-00-O Tina Lo			2/14/96 Transmittal of RFP TL-229 for Surveying Support at Hanford Site
C960380-00-O Tina Lo			2/14/96 Transmittal of RFP TL-229 for Surveying Support at Hanford Site
C960381-00-O Tina Lo			2/14/96 Transmittal of RFP TL-229 for Surveying Support at Hanford Site
C960382-00-D Stefanie			2/13/96 Return of Optics from Australia
C960383-00-D Ramin L			2/14/96 REO Status Report, dated 14 February 1996
C960384-00-D Garilynr			2/14/96 Closure of Questions from Metrology Review
C960385-00-O Ed Jash			2/15/96 Request for Quotation (RFQ) EJ-230 for 1,000 Baffles
C960386-00-O Ed Jasn			2/15/96 RFQ EJ-230 for Quotation for Beam Tube Baffles
C960387-00-O Ed Jasn			2/15/96 RFQ EJ-230 for Beam Tube Baffles
C960388-00-O Ed Jasn			2/15/96 RFQ EJ-230 for Beam Tube Baffles
C960389-00-O Ed Jasn			2/15/96 RFQ EJ-230 for Beam Tube Baffles
C960390-00-O Ed Jasn			2/15/96 RFQ EJ-230 for Beam Tube Baffles
C960391-00-O Fred As			2/16/96 Contractors' Meeting Minutes for 13 February 1996
C960392-00-O Ed Jasn			2/22/96 RFP EJ-228 for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford, WA
C960393-00-D Garilynr	- '		2/16/96 Transmittal of LIGO Procedure for Handling LIGO Optics Containers
C960394-00-D Garilynr			2/16/96 Transmittal of LIGO Procedure for Handling LIGO Optics Containers
C960395-00-V John W			4/9/96 Technical Information Memorandum (TIM) 14
C960396-00-P Phil Line	dquist		2/19/96 Transmittal of Monthly Progress Report for January 1996

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C960398-00-V John Worden 2/18/96 Technical Information Memorandum (TIM) 15 C960399-00-V John Worden 2/19/96 Transmittal of TIM 15 C960400-00-O Linda Turner 2/19/96 Distribution of Parsons CDRL Documentation	
C960399-00-V John Worden 2/19/96 Transmittal of TIM 15 C960400-00-O Linda Turner 2/19/96 Distribution of Parsons CDRL Documentation	
C960400-00-O Linda Turner 2/19/96 Distribution of Parsons CDRL Documentation	
C960437-00-O Mel Weingart 960213-0 2/13/96 Project Status Report, dated 9 February 1996	
C960439-00-O Tim Melott 960212-0 2/12/96 Statement of Work for Quality Assurance Testing and Reporting for the BTE Slab and Fabrication Package, Revision 1	
C960440-00-B Lance Buboltz CBI-CT 2.3/0043 3/5/96 Request for Information (RFI) #16 - Fixed Support Bracket Modification	
C960441-00-B Lance Buboltz CBI-CT 2.2/0057 3/5/96 Transmittal of CDRL 23 - Alignment Alternative	
C960442-00-B Lance Buboltz CBI-CT 2.2/0057 3/5/96 Alignment Alternate Presentation - Item 1, CDRL 23	
C960443-00-D Garilynn Billingsley 3/7/96 Shipping Instructions and Customs Information for Optics	
C960444-00-B Lance Buboltz 3/8/96 Schedule, Draft - CDRL 01, DRD 01	
C960444-01-B Marty Tellalian CBI-CT 2.2/0117 7/17/96 Schedule for LIGO Beam Tube Modules (CDRL 01, Revision 01, DRD 01)	
C960445-00-B Lance Buboltz 3/8/96 Configuration Management Plan, Draft - CDRL 02, DRD 01	
C960445-01-B Lance Buboltz CBI-CT-2.2/0116 7/11/96 Revision 1 of CDRL #2 - Configuration Management Plan	
C960446-00-B Lance Buboltz 3/8/96 Quality Assurance Plan, Draft - CDRL 03, DRD 01	
C960446-01-B Marty Tellalian 7/30/96 Quality Assurance Plan (CDRL 03, Revision 1, DRD 01)	
C960447-00-B Lance Buboltz 3/8/96 Resource Plan, Draft - CDRL 04, DRD 01	
C960447-01-B Marty Tellalian CBI-CT 2.2/0117 7/17/96 Resource Plan for LIGO Beam Tube Modules (CDRL 04, DRD 01)	
C960448-00-B Lance Buboltz 3/8/96 Safety Plan, Draft - CDRL 05, DRD 02	
C960448-A-B Lance Buboltz CBI-CT 2.2/0086 5/23/96 Safety Plan, FINAL (CDRL 5, DRD 1)	
C960449-00-B Lance Buboltz 3/8/96 Subcontract Plan, Draft CDRL 06, DRD 02	
C960449-01-B Marty Tellalian CBI-CT 2.2/0117 7/17/96 Subcontract Plan for LIGO Beam Tube Modules (CDRL 06, Revision 01, DRD 02)	
C960450-01-B Marty Tellalian CBI-CT 2.2/0124 7/24/96 Fabrication Plan, Revision 1 (CDRL 07, DRD 02)	
C960451-00-V John Worden 4/9/96 Technical Information Memorandum (TIM) 17	
C960452-00-V John Worden 2/18/96 Technical Information Memorandum (TIM) 16 - VOID (out of sequence)	
C960454-00-O Fred Asiri 2/20/96 Transmittal of LIGO-D950145-SK-O	
C960455-00-P Tina Lowenthal 2/20/96 P.O. PC193079 with Taylor, Porter, Brooks & Phillips, Attorneys at Law for Legal Services Regarding Tax Implications in Louisiana	
C960457-00-D 3/1/96 Statement of Work - Metrology I and II, in support of P.O. PC184342, Change Order #3	
C960459-00-B Larry Jones 2/22/96 Technical Information Memorandum (TIM) 006 - Response to RFI #12	
C960460-00-I Chris Evans 2/23/96 Revised Response to LIGO Statement of Work, dated 14 February 1996	
C960461-00-D David Tanner 4/1/96 Review of Proposal for KD 226 from Lightwave Electronics Corp.	
C960461-00-D David Reitze 4/1/96 Review of Proposal for KD 226 from Lightwave Electronics Corp.	
C960461-00-D Bernard Whiting 4/1/96 Review of Proposal for KD 226 from Lightwave Electronics Corp.	
C960468-00-O Ed Jasnow 2/27/96 Response to Request for Information regarding Request for Quotation (RFQ EJ-230, LIGO-C960385-00-O)	
C960469-00-O Ed Jasnow 2/27/96 Response to Request for Information regarding Request for Quotation (RFQ EJ-230, LIGO-C960385-00-O) for Beam Tube Baffles	
C960470-00-O Ed Jasnow 2/27/96 Response to Request for Information regarding Request for Quotation (RFQ EJ-230, LIGO-C960385-00-O) for Beam Tube Baffles	
C960471-00-O Ed Jasnow 2/27/96 Response to Request for Information regarding Request for Quotation (RFQ EJ-230, LIGO-C960385-00-O) for Beam Tube Baffles	
C960472-00-O Ed Jasnow 2/27/96 Response to Request for Information regarding Request for Quotation (RFQ EJ-230, LIGO-C960385-00-O) for Beam Tube Baffles	
C960474-00-B Larry Jones 2/27/96 Technical Direction Memorandum (TDM) 96-001 - Weld Speed	
C960475-00-V John Worden 2/27/96 Beam Tube Enclosure/Rough Pumps	
C960476-00-P Joseph Platnick 2/27/96 Return of Software and Denial of Waiver of Restocking Fee	
C960478-00-O Fred Asiri 2/27/96 Laser and Vacuum Equipment Area (LVEA) - Table Top Review of 15 February 1996	
C960479-00-P Irena Petrac 2/28/96 Conflict of Interest Statement for KD-226, LIGO-C951465-00-P	
C960481-00-O	
C960483-00-B Larry Jones 2/29/96 Qualification Test (QT) Review Board Report for Beam Tube Modules	
C960484-00-P Joan Boughan 2/29/96 MIT Request for Authorization to Purchase Equipment	
C960485-00-B Larry Jones 2/29/96 Technical Information Memorandum (TIM) #007 - Pump Port Hardware Interfaces	
C960486-00-B Larry Jones 2/29/96 Documents Transmittal	
C960487-00-I Irena Petrac 3/1/96 Transmittal of Advance Copy of Change Order #2 for P.O. PC184342	
C960488-00-B Larry Jones 3/1/96 Technical Information Memorandum (TIM) 008 - Responses to RFI's #13, #14, #15	
C960489-00-B Larry Jones 3/1/96 Technical Information Memorandum (TIM) 009 - Response to Action Items CAL-2, CAL-6, CAL-9	
C960490-00-O Fred Asiri 3/1/96 The Hanford Out Buildings and Civil Design - Table Top Review of 22 February 1996	
C960491-00-V Dick Curtis V049-PL-104 2/29/96 Mechanical Room Utilities/Wall Penetrations by LIGO	
C960492-00-O Fred Asiri 3/1/96 Transmittal of PSI Document	
C960493-00-O Mel Weingart 960226-1 2/26/96 Engineering Change Proposal (ECP) #11 - Miscellaneous Modifications Requested by TDM 96-03	
C960494-00-D Dr. Chris Walsh 3/4/96 Weekly Report, dated 4 March 1996	

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C960495-00-B			3/4/96 Transmittal of LIGO-D960041-00-E, BTE - Pump Cart Layout: Roughing Pump System
C960497-00-D	Garilynn Billingsley		3/5/96 LIGO Procedure for Handling LIGO Optics Containers
C960498-00-B	Larry Jones		3/5/96 Corrected Markup for Soft Support
C960499-00-V	•		3/5/96 Most Recent Plan for the Service Entrance
C960500-00-B		CBI-CT 2.2/0057	3/5/96 Set of Drawings for the Guided Support
C960501-00-P	Irena Petrac		3/5/96 Transmittal of Conflict of Interest Statement
C960502-00-D			3/6/96 Technical Review Issues
	Alice Lambert	97823/97838/97839	3/6/96 Work Order Authorizations for Safety (Ben Lucas) and Quality Assurance (Bill Tyler)
C960504-00-V		V049-PL-114	3/6/96 Technical Information Memorandum (TIM) #18 - Response to Change Order Requests 12, 13, 17, and 18
C960505-00-V			3/6/96 Transmittal of TIM #18
C960506-00-P		97822	3/6/96 Work Order Authorization from JPL for QA (Bill Tyler)
C960507-00-O			3/6/96 Technical Direction Memorandum (TDM) 96-04 - Revise Location of Service Entrance as Redlined on Drawing BT-S-002
C960508-00-P		CD-JMS-2639	3/6/96 Request for Additional Contract Funding
C960509-00-D	Garilynn Billingsley		3/6/96 Attendees for HDOS Certification Review
C960510-00-O	, , ,		3/6/96 Science Related Performance Issues - Table Top Review of 5 March 1996
C960511-00-D			3/11/96 Report by CSIRO to Certifications Review Meeting on the Pathfinder Project, 11-12 March 1996
C960511-01-D	Dr. Chris Walsh		4/22/96 Final Report By CSIRO To LIGO
C960511-02-D	Dr. Chris Walsh		4/22/96 Final Report by CSIRO To LIGO April 22, 1996
C960512-00-D			4/30/96 CSIRO Phase Map Data
C960513-00-D	Dr. Chris Walsh		3/11/96 Certifications Review Presentation by CSIRO
C960514-00-O	Tim Melott	960307-0	3/7/96 Permit Surveying, Inc. letter Regarding Initial Beam Tube Survey Control
	Johnson & Higgins	LIGO 96-1 (declar #)	3/11/96 Declaration of Shipment from CSIRO to Caltech
C960516-00-O	Ed Jasnow	,	3/12/96 Cost-Plus-Fixed-Fee Contract between LIGO and RSI Rogers Surveying, Inc. for Surveying Support - Hanford
C960517-00-O			3/12/96 Notice of Award for Surveying Support at Hanford (LIGO-C960516-00-O)
C960518-00-V			3/12/96 Technical Information Memorandum (TIM) #19
C960519-00-V			3/12/96 Transmittal of TIM 19
C960520-00-V	John Worden		3/12/96 Technical Information Memorandum (TIM) #20
C960521-00-V			3/12/96 Transmittal of TIM #20
C960522-00-R			3/12/96 Grant Notification for MSU, P.O. PC169604
C960523-00-P			3/13/96 Contract between LIGO and Shannon & Wilson, Inc. for Quality Assurance Testing and Reporting for the Beam Tube Enclosure (BTE) and Support Slab at Hanford
C960524-00-D	Chris Evans		3/11/96 Informal Report #3
C960525-00-B			3/12/96 Termination Design, Draft - CDRL 10, DRD 03
C960526-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Baffles, Installation Procedure "BFL" - CDRL 20, DRD 03
C960527-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Alignment Alternate - CDRL 23, DRD 03
C960528-00-O	S. J. Clark	00356502 (inv. #)	2/23/96 Invoice for Period Ending 26 January 1996
C960529-00-P	S. J. Clark		2/23/96 Invoices for Period Ending 26 January 1996 (Invoice #'s 00356503, 00356504, and 00349751)
C960530-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Document Revisions - Revised Fabrication Sequence, FABSEQ, Revision 4 - CDRL 24-1, DRD 03
C960531-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Document Revisions - Beam Tube Section Leak Testing - CDRL 24-2, DRD 03
C960531-01-B	Marty Tellalian	CBI-CT 2.2/0135	8/13/96 Beam Tube Section Leak Testing - CDRL #24-2, DRD #03, Revision 1
C960531-03-B	Marty Tellalian	CBI-CT 2.2/0199	2/7/97 Design Document Revisions - Beam Tube Section Leak Testing (CDRL 24-2, Rev. 03, DRD 03)
C960532-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Document Revisions - Alternative Fixed Support - CDRL 24-3, DRD 03
C960533-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Document Revisions - Alternative Guided Support - CDRL 24-4, DRD 03
C960534-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Document Revisions - Installation Sequence, INSTALLSEQ, Revision 4 - CDRL 24-5, DRD 03
C960535-00-B	Lance Buboltz	CBI-CT 2.2/0061	3/12/96 Design Review Data Package - CDRL 26, DRD 05
C960537-00-O	Mel Weingart	960308-0	3/8/96 LIGO Contractors Meeting - Response to Action Items
C960538-00-V	John Worden		3/13/96 Transmittal of Documentation
C960539-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 24-5, DRD 03
C960540-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 24-4, DRD 03
C960541-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 24-3, DRD 03
C960542-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 24-2, DRD 03
C960543-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 24-1, DRD 03
C960544-00-P	Linda Turner		3/14/96 Distribution of CDRL 10 & 24, DRD 03
C960545-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 23, DRD 03
C960546-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 20, DRD 03
C960547-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 19, DRD 03
C960548-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 18, DRD 03
C960549-00-P	Linda Turner		3/14/96 Distribution of CBI CDRL 16, DRD 03

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C960550-00-P	1		3/14/96 Distribution of CBI CDRL 15, DRD 03
C960551-00-P			3/13/96 Notice of Award for Quality Assurance Services for the Slab and Beam Tube Enclosure (BTE) Contract at Hanford, P.O. PC195312
C960552-00-P			3/13/96 Overrun Concerns as Reflected in Change Order #2 to P.O. PC164701 with HDOS
C960553-00-D			3/19/96AR Coating Test Results
C960554-00-B			3/6/96 Revised Agenda for Beam Tube Design Review, 27 March 1996
C960555-00-B			5/1/96 Attachment I to Contract Change Order #3 to P.O. PC181520 with CBI
C960556-00-B	•		3/15/96 Technical Information Memorandum (TIM) 010 - Response to RFI #6
C960557-00-B	,		3/15/96 Transmittal of TIM 010 and Planned Text for Exhibit III Note
C960558-00-O			3/15/96 Technical Direction Memorandum (TDM) 96-05
C960563-00-O		960312-1	3/12/96 Engineering Change Proposal (ECP) #13 - Revised BTE Service Entrance Segments
C960565-00-P			3/13/96 Error Correction to P.O. PC195312 (LIGO-C960523-00-P)
C960566-00-P			3/15/96 Notification of Anticipated Receipt Date for RFP KD 226
C960568-00-V			3/18/96 Technical Direction Memorandum (TDM) 09 - Minimum Dimensions for the LA Midpoint Valve Weld Stubs
C960569-00-V			3/18/96 Transmittal of TDM 09
C960570-00-O			3/18/96 Transmittal of Executed Contract, P.O. PC194932 (LIGO-C960516-00-O) for Survey Support at Hanford
C960571-00-O		960318-0	3/15/96 Engineering Change Proposal (ECP) #12 - Revised Vacuum Equipment Electrical Stub-Up Locations
C960572-00-O	· ·	PP150969	3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab Submittal S013-01000-2
C960573-00-V			3/18/96 Technical Information Memorandum (TIM) 21 - HAM Port Locations
C960574-00-V			3/18/96 Transmittal of TIM 21
C960575-00-O			3/19/96 Proposed Contracts for Beam Tube Baffles for Review at NSF
C960576-00-P			3/14/96 Distribution of CBI CDRL 14. DRD 03
C960577-00-P			3/14/96 Distribution of CBI CDRL 13. DRD 03
C960578-00-P			3/14/96 Distribution of CBI CDRL 12. DRD 03
C960579-00-P			3/14/96 Distribution of CBI CDRL 11, DRD 03
C960580-00-P			3/14/96 Transmittal of CBI CDRL 10, DRD 03
C960581-00-P			3/14/96 Distribution of CBI CDRL 26, DRD 05
C960582-00-P			3/14/96 Distribution of CBI CDRL 17, DRD 03
C960596-00-B		CBI-CT 2.2/0061	3/13/96 Transmittal of Draft DRDs 03 and 05, CDRLs 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 23, 24-1, 24-2, 24-3, 24-4, 24-5,
		02: 0: 2:2/000:	
C960597-00-V	Richard Bagley	V049-PI -121	3/14/96Preliminary Hazards Analysis/FMFA Data
	Richard Bagley Richard Bagley	V049-PL-121 V049-PL-120	3/14/96 Preliminary Hazards Analysis/FMEA Data 3/14/96 Revised Change Order Reguest #16 - Change Several Removable Spool BE-3 Configurations
C960598-00-V	Richard Bagley	V049-PL-121 V049-PL-120	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations
C960598-00-V C960599-00-P	Richard Bagley Richard Wallace	V049-PL-120	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO
C960598-00-V C960599-00-P C960600-00-O	Richard Bagley Richard Wallace Tim Melott	V049-PL-120 960313-1	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project
C960598-00-V C960599-00-P C960600-00-O C960601-00-O	Richard Bagley Richard Wallace Tim Melott Tim Melott	V049-PL-120 960313-1 960315-4	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME
C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila	V049-PL-120 960313-1 960315-4 S013-01000-2	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/6/96 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison
C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O C960603-00-V	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila Richard Bagley	V049-PL-120 960313-1 960315-4 S013-01000-2 V049-PL-108	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/6/96 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison 3/13/96 CDS Terminals Tagging
C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O C960603-00-V C960604-00-V	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila Richard Bagley Richard Bagley	V049-PL-120 960313-1 960315-4 S013-01000-2 V049-PL-108 CT052	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/6/96 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison 3/13/96 CDS Terminals Tagging 3/14/96 Transmittal of Instrument List and CDS Interface Diagram Drawings
C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O C960603-00-V C960604-00-V C960605-00-V	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila Richard Bagley Richard Bagley Richard Bagley	V049-PL-120 960313-1 960315-4 S013-01000-2 V049-PL-108 CT052 V049-1-036	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/6/96 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison 3/13/96 CDS Terminals Tagging 3/14/96 Transmittal of Instrument List and CDS Interface Diagram Drawings 3/14/96 Instrument List
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C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O C960603-00-V C960605-00-V C960605-03-V C960606-00-O C960607-00-D	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila Richard Bagley Richard Bagley Richard Bagley Richard Bagley Arthur Theis Andreas Nonnenmacher	V049-PL-120 960313-1 960315-4 S013-01000-2 V049-PL-108 CT052 V049-1-036 V049-1-036, Rev 3	3/14/96 Revised Change Order Request #16 - Change Several Removable Spool BE-3 Configurations 3/14/96 Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication for LIGO 3/13/96 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/96 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/6/96 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison 3/13/96 CDS Terminals Tagging 3/14/96 Transmittal of Instrument List and CDS Interface Diagram Drawings 3/14/96 Instrument List 7/8/97 I/O Instrument List
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C960598-00-V C960599-00-P C960600-00-O C960601-00-O C960602-00-O C960603-00-V C960605-03-V C960605-03-V C960608-00-O C960608-00-O C960609-00-O C960610-00-D C960611-00-O C960612-00-D C960615-00-B C960615-00-B C960618-00-V C960618-00-V C960618-00-V C960619-00-V C960619-00-V C960619-00-V C960620-00-V C960622-00-V C960623-00-P	Richard Bagley Richard Wallace Tim Melott Tim Melott Edith Mshila Richard Bagley Richard Bagley Richard Bagley Richard Bagley Arthur Theis Andreas Nonnenmacher Jim Curtis Jim Curtis Jim Curtis Andreas Nonnenmacher Fred Asiri Andreas Nonnenmacher Michael Johnson Fred Asiri Lance Buboltz John Worden Steve Hand John Worden John Worden John Worden Richard Bagley	V049-PL-120 960313-1 960315-4 S013-01000-2 V049-PL-108 CT052 V049-1-036 V049-1-036, Rev 3 3064-9101 PC181520 CBI-CT 2.3/0053	3/14/98 Revised Change Order Request #16 - Change Several Removable Spod BE-3 Configurations 3/14/98 Proposal for RFP KD 228 for NA3+ Laser Design and Fabrication for LIGO 4/13/98 Fire Protection Provisions at the Corner Station for the LIGO Project 3/15/98 Value Engineering Change Proposal for the Modifications of the BTE Slab, Submittal S013-01000-2 from ACME 3/15/98 Value Engineering Change Proposal - BTE Slab Redesign Cost Comparison 3/13/98 Cost Terminals Tagging 3/14/98 Transmittal of Time Action of Instrument List and CDS Interface Diagram Drawings 3/14/98 Instrument List 7/8/97 (I/O Instrument List 3/13/98 Topographical Survey for Livingston, Final Delivery (Mylars, 3.5 diskette) 3/13/98 Topographical Survey for Livingston, Final Delivery (Mylars, 3.5 diskette) 3/13/99 Final Survey for Livingston, Final Delivery (Mylars, 3.5 diskette) 3/19/98 Chashed Rook at Hanford 1/17/98 Permit Fees at Hanford 3/19/98 Cashed Rook at Hanford 1/17/98 Permit Fees at Hanford 3/19/98 Cashed Rook at Hanford 1/17/98 Permit Fees at Decorated Meeting Agenda 3/19/98 Cashed Rook at Hanford 1/15/97 Dimension Changes from Graham Steel 3/19/98 Cashed Rook at Hanford 1/15/97 Dimension Changes from Graham Steel 3/19/98 Cransmittal of LIGO-L98020-00-E to Parsons 3/14/98 (Correction to DRD 3, Item 1 - OPS Alternate Table 3/20/98 Transmittal of TIM 22 3/20/98 Transmittal of TIM 23 3/21/98 Transmittal of TIM 23 3/21/98 Transmittal of TIM 23

Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C960625-00-D	Garilynn Billingsley		3/21/96 Transmittal of Procurement Plan for Core Optics
C960628-00-V	David Mc Williams	V049-TN-29	3/4/96 Telecon of 3/4/96 with John Worden re WA Corner Station Stub-Up Plan (V049-3-124, Rev. P1)
C960629-00-P			3/5/96 Copy of Check to U.S. Department of Energy, dated 24 October 1994
C960630-00-B	Lance Buboltz	MOF File 2.3/0051	3/6/96 Revised Agenda for Beam Tube Design Review, 27 March 1996
C960631-00-B	Ken Wilson		3/6/96 Quotation Response to RFQ EJ-230 (LIGO-C960385-00-O) - Beam Tube Baffles
C960632-00-P		1107071-1 (inv. #)	3/6/96 Invoice from Micro Trends
C960633-00-O	Ray Holder	F-HO-0004	3/7/96 Field Weekly Report - Livingston, dated 7 March 1996
C960634-00-O	Tim Melott	960307-0	3/7/96 Permit Surveying, Inc. Letter Regarding Initial Beam Tube Survey Control, dated 5 March 1996
C960635-00-O	Rick Savage		3/21/96 Specification Sheets for Arrester Installed at Hanford Site
C960636-00-P		1107311-1 (inv. #)	3/6/96 Invoice from Micro Trends
C960637-00-P		1107359 (inv. #)	3/6/96 Invoice from Micro Trends
C960638-00-P		1107361 (inv. #)	3/6/97 Invoice from Micro Trends
C960639-00-P	Tony Elliot		3/6/96 Quotation Response to RFQ EJ-230 (LIGO-C960385-00-O) - Beam Tube Baffles
C960640-00-O	Karl Drobny	CM-F0002	3/7/96 Field Weekly Report - Hanford
C960641-00-O			3/8/96 Change Order #2 for P.O. PC189539 for Beam Tube Slab Re-design; Schedule for Mock-Up Activities
C960642-00-V			3/8/96 Safety/Data Composition of Clayless Black Enamel
C960643-00-V	~ .	V049-PL-109	3/8/96 Draft Agenda for Monthly Status Meeting, 14 March 1996
	Curt Crist		3/7/96 Quotation Response for RFQ EJ-230 - Beam Tube Baffles
C960645-00-P			3/11/96 Quotation from Lighthouse Technology
	Andreas Nonnenmacher		3/22/96 Preliminary Data Package for LIGO Pathfinder Optics Data Review on 25 March 1996
C960647-00-B			3/22/96 ROM Cost for Alignment Alternate #6
C960648-00-D			3/21/96 Wyko 6000 Data Format
C960649-00-O			3/22/96 Request for Proposal (RFQ) EJ-236 for Porcelain Coating of LIGO Beam Tube Baffles
C960650-00-O			3/22/96 Request for Quotation (RFQ) EJ-236 for Porcelain Coating of LIGO Beam Tube Baffles
C960651-00-O			3/22/96 Request for Quotation (RFQ) EJ-236 for Porcelain Coating of LIGO Beam Tube Baffles
C960652-00-O			3/22/96 Request for Quotation (RFQ) EJ-236 for the Porcelain Coating of LIGO Beam Tube Baffles
C960653-00-O			3/22/96 Request for Quotation (RFQ) EJ-236 (LIGO-C960649-00-O) for the Procelain Coating of LIGO Beam Tube Baffles
C960654-00-V			3/22/96 Technical Information Memorandum (TIM) #24
C960655-00-V			3/22/96 Transmittal of TIM 24
C960656-00-V	~ .	CT027	3/20/96 Transmittal of Piping and Installation Diagram (P&ID) Drawings, Livingston and Hanford
C960658-00-O	~	960318-4	3/18/96 Engineering Change Proposal (ECP) #14 - Separate Bid Package for Mid/End Station Foundation
C960661-00-V		V049-PL-111	3/11/96 PSI Design Needs Building & Beam Tube Interfaces
C960662-00-P			1/8/96 Approval for P.O. to Cygnus for Computer Modeling
C960663-00-P		V040 DI 440	1/8/96 Change Order #6 to P. O. PP157708 with Telos Corporation
C960667-00-V	0 ,	V049-PL-118	3/14/96 PSI Vacuum Equipment Final Design Review (FDr), 22 - 23 May 1996
C960668-00-O		W&G #92185	3/19/96 Review Comments on Calculations and Details for the Beam Tube Enclosure
C960672-00-O			3/28/96 Transmittal of Topographical Survey of Livingston
	Dr. Ray Beausoleil		4/1/96 Review of Proposal for KD 226 from Lightwave Electronics Corporation
	Andreas Nonnenmacher		3/25/96 LIGO Pathfinder Optics Data Review, 25 March 1996
C960674-00-D C960675-00-V	Robert Bourgeois		3/25/96 LIGO Pathfinder Optics Data Review, 25 March 1996 3/29/96 Technical Information Memorandum (TIM) #25
C960675-00-V			2/14/96 Project Status Review Data Package, dated 14 February 1996 (DRD 04, CDRL 26b)
C960676-00-B			3/29/96 Transmittal of Contract with Shannon & Wilson for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hanford
C960677-00-P			3/29/96 Transmittal of Contract with Shannon & Wilson for Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Hamord 3/29/96 Transmittal of Signed ECP #13
C960679-00-O			3/29/96 Transmittal of Signed ECP #14
C960680-00-O		960328-0	3/28/96 IN-PROGRESS Draft of the 12 April 1996 Hanford FDR DCCD
C960681-00-D		900320-0	3/29/96 Informal Report #4, dated 29 March 1996
C960681-00-D			4/1/96 Technical Information Memorandum (TIM) 26
C960683-00-V			4/1/96 Transmittal of TIM 26 to PSI
	Gilbert P. Beckett	WBS-3204 (inv. #)	3/27/96 Milestone #2 Invoice Payment - Design Review Meeting, dated 27 March 1996
C960685-00-B		CBI-CT 2.2/0063	3/27/96 Project Status Review Data Package (CDRL 25c, DRD 04), dated 27 March 1996
C960686-00-B		CBI-CT 2.2/0063	3/27/96 Design Review Data Package (CDRL 26a, DRD 04), dated 27 March 1996
C960687-00-B		CBI-CT 2.2/0063	3/27/96 Transmittal of CDRL 25c and 26a
C960688-00-V		V049-PL-117	3/12/96 Status Report #4 (CDRL 09-4), dated 12 March 1996
C960689-00-P	~ .	VOTO 1 E 111	4/1/96 Distribution of PSI CDRL 09-4 (LIGO-C960688-00-V)
C960691-00-O		960325-1	3/25/96 Response to LIGO-L960200-00-E, dated 20 March 1996 re Facility Monitoring and Control System (FMCS)
C960693-00-D		555525 1	4/1/96 Review of Proposal for KD 226 from Lightwave Electronics Corporation
	Copor manon		whospitation are represented the Leonard Electronic Corporation

Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C960694-00-M	Fred Asiri		3/20/96 Transmittal of Senate Bill 6511 - Act Relating to Sales and Use Tax Exemptions for Materials Used in the Construction of LIGO
C960695-00-B	Larry Jones		4/2/96 Technical Information Memorandum (TIM) 011 - Request for ROM for Increased Bake Temp
C960696-00-O	Ed Jasnow		4/3/96 Tax Exemption and Bid Price Decrease for P.O. PC189530, Hanford
C960697-00-O	Mel Weingart	960402-1	4/2/96 Project Status Report (CDRL 05, DRD 02), dated 5 April 1996
C960698-00-B	Larry Jones		4/2/96 Draft Comments on CBI CDRLs (1 thru 20, 23, 24-1 thru 24-5)
C960698-01-B	Larry Jones		4/3/96 Draft Comments on CDRLs: Wednesday's Version
C960699-00-V	Richard Bagley	CT022	2/29/96 Transmittal of Specification for Ion Pumps (V049-2-004, Rev. 1)
C960700-00-P			4/3/96 Distribution of LIGO-C960697-00-O (CDRL 05, DRD 02)
C960701-00-V	Richard Bagley	V049-TN-31	3/21/96 Telecon of 19 March 1996 with John Worden
C960702-00-V	Richard Bagley	V049-TN-32	3/22/96 Telecon of 21 March 1996 with John Worden
C960703-00-O	<u> </u>		3/20/96 Requests for Information (RFI) 13 thru 15 and 17 from ACME
C960704-00-O	· · · · · · · · · · · · · · · · · · ·	CM-F0004	3/21/96 Weekly Field Report - Hanford
C960705-00-O	Ray Holder	F-HO-0005	3/21/96 Weekly Field Report - Livingston
	Process Systems Int'l, Inc.	V049-PL-136	4/1/96 Vacuum Equipment Hazards Analysis
	Lance Buboltz	CBI-CT 2.2/0065	3/29/96 Purchase Order Submittal (#168032, Rev. 0) to North American Stainless for Expansion Joint and Beam Tube Materials for Review and Approval
C960708-00-B	Lance Buboltz	MOF 2.2/0066	4/2/96 Vendor Surveillance at North American Stainless (NAS) on 3/19/96 and 3/28/96
	Garilynn Billingsley		4/4/96 Invoice Question
C960710-00-O			4/4/96 Saw Cut Stay-Clear Area
C960710-01-O	,	960506-2	5/6/96 Detailed Design Recommendations for Joints
C960711-00-B		CBI-CT 2.2/0067	4/3/96 Signed Technical Information Memorandum (TIM) 011
C960712-00-O		960402-2	4/2/96 Additional Vibration Loads Due to the 3 Interferometer Configuration
C960713-00-V		V049-PL-133	3/27/96 Edwards High Vacuum Pump Instruction Manuals
C960714-00-P	3 7	0005724	3/24/96 Invoice from the Australian National University
C960715-00-V	Richard Bagley		3/20/96 Solicited Vacuum Gauges Bids
C960716-00-P			4/8/96 Transmittal of Quarterly Progress Report (December 1995 - February 1996), dated March 1996
C960717-00-B			4/8/96 Technical Direction Memorandum (TDM) 96-002 - Conditional Approval of CDRLs
C960718-00-B	<u> </u>		4/8/96 Review Comments for Incorporation in CDRLs 1-14, 16-20, 23, 24-1 through 24-5
C960719-00-B	· ·		4/8/96 Technical Information Memorandum (TIM) 012
C960720-00-D	•		4/30/96 HDOS Phase Map Data
C960721-00-D		CD-JMS-2663	4/8/96 Gray Scale Images of the LIGO Pathfinder Optics Data Files
C960722-00-O		LTACME-F0007	3/25/96 Revised Scope of Work for Proposed Change Order #2
C960723-00-O	•	960327-1	3/27/96 Proposed Change Order #3
C960724-00-O		960404-0	4/4/96 Transmittal of Change Order #2 and #3
C960725-00-B		CBI-CT 2.3/0060	5/3/96 Revised Milestone Payment Schedule
C960727-00-D		CB00218/LN051780	3/28/96 Invoice for Final Scheduled Payment #3 for Cost Incurred under P.O. PC167159
C960728-00-V		V049-PL-100	2/28/96 Change Order Request #12 - Freon Cooling Systems for BTD Main Roughing and Turbo Molecular Pumps
C960729-00-V	3 ,	V049-PL-093	2/14/96 Change Order Request #13 - Revised Internal Floor Loading for the BSC's
C960730-00-V		V049-PL-099	2/28/96 Change Order Request #16 - Change Several Removable Spool BE-2 and BE-3 Configurations
C960731-00-V	3 ,	V049-PL-105	3/1/96 Change Order Request #17 - Vacuum Pump Cart Modifications
C960732-00-V	3 ,	V049-PL-106	3/1/96 Change Order Request #18 - Reduce Annulus Pump Speed From .31/s to .21/s
C960733-00-D	0 ,	CD-JMS-2661	4/3/96 LIGO Pathfinder Metrology/Certification Data
C960735-00-R			4/10/96 Request for Oral Discussion in Response to Proposal for RFP KD 226 for Nd3+ Laser Design and Fabrication
C960736-00-O			4/10/96 Refer to LIGO-C960772-00-O (C960736-00-O is an incorrect number)
	David Mc Williams	VO49-TN-34	4/10/96 Voice Mail with John Worden re. RFI RE Isolation Stack
C960738-00-D			4/5/96 Informal Report #5
C960739-00-B		CBI-CT 2.3/0055	4/11/96 Missing Page for ICD-BTT and Interface Control Document for the Beam Tube and the Beam Tube Slab
C960740-00-O		2.2.2.2.2.000	4/11/96 Transmittal of Detector-Civil Construction (CC) ICD for Review and Comment
	Andreas Nonnenmacher		4/3/96 Closure of Action Items from LIGO Pathfinder Metrology Certification Review
C960742-00-B			4/10/96 Delayed Response to TDM 96-002
C960743-00-B		CBI-CT 2.2/0068	4/9/96 Caltech Request for Credit - Alternate Alignment
C960744-00-B		CBI-CT 2.2/0068	4/4/96 Change Order Request COR 002 - Provide Estimate for GPS Alignment Alternative
C960745-00-O		2.2.2.2.2.2.000	4/11/96 Technical Direction Memorandum (TDM) 96-06
C960746-00-O		960410-0	4/10/96 Review Comments Disposition Matrix for PDR Comments and Subcontractors Meeting
C960747-00-O		960410-0	4/10/96 Review Comments Disposition Matrix - On Board Reviews
C960748-00-P		0001100	4/11/96 Distribution of LIGO-C960746-00-O
C960749-00-P			4/11/96 Distribution of LIGO-C960747-00-O
C960750-02-O			9/4/96 Change Order to P.O. PP195911 with Capital Industries, Inc Additional Baffles and Cargo Containers
0000700-02-0	0001011		or tros change chaot to 1.0.11 100011 with capital inaudition, inc. Traditional ballion and cargo contained

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C960750-03-O	Ed Jasnow		1/28/97 Change Order #3 for P.O. PC195911 with Capital Industries, Inc 50 Additional Serrated Baffles
C960750-04-O	Ed Jasnow		4/10/97 Change Order #4 for P.O. PC195911 with Capital Industries, Inc.
C960751-00-O	Ed Jasnow		3/20/96 P.O. PP195912 with Meyer Tool & Mfg. Inc. for Serration and Coating of Beam Tube Baffles
C960751-01-O		PC195912	5/29/96 Beam Tube Baffle - Change Order #1
C960751-02-O			8/16/96 Change Order #2 for P.O. PC 195912 with Meyer Tool Mfg. Inc Termination of Purchase Order.
C960752-00-V			4/12/96 Technical Information Memorandum (TIM) 27 - Authorization for Procurement of Raw Materials Prior to FDR
C960753-00-V			4/12/96 Transmittal of TIM 27
C960754-00-B			4/12/96 Conditions at the Module Terminations at CBI's Arrival
C960755-00-O		CM-F007	4/12/96 Weekly Field Report, Hanford
C960757-00-O	•	960405-0	4/5/96 Livingston Geotechnical by Woodward-Clyde
C960758-00-B		000400 0	4/12/96 Transmittal of Instruction Manuals for Vacuum Pumps
C960759-00-O			4/11/96 Revised Easement Agreement with Dixie Electric Membership Corporation for Execution
	David Mc Williams	V049-TN-35	4/12/96 Telecon of 4/11/96 with John Worden
C960761-00-O		V043 11V 33	4/12/96 Underground Primary Cable Installation
C960762-00-D		27826	4/11/96 Notes from Meeting with Allen Sibley and Bill Tyler re. Baffles
C960764-00-V		27020	4/12/96 Electrical Requirements for Freon Chillers, DRAFT
C960765-00-B		CBI-CT 2.3/0056	4/11/96 Draft Agenda for Project Review Meeting, 17 April 1996
C960766-00-D		ODI-O1 2.3/0030	4/10/96 Request for Facility Construction Bid Package
	Chris Humphreys	256-50126-160	4/2/96 Monthly Report (March 1996) for Rough Grading Construction, Livingston
-	' '	256-50126-160	
C960767-00-O C960768-00-O		200-00120-100	4/2/96 Monthly Report (March 1996) for Rough Grading Construction, Livingston 4/10/96 Request for Facility Construction Bid Package
C960769-00-O			4/11/96 Request for Facility Construction Bid Package 4/11/96 Request for Facility Construction Bid Package
	, ,	V049-PL-138	4/9/96 Electrical Requirements for the Main Turbo, Main Roughing and Auxiliary Carts As a Packaged Unit
C960770-00-V C960771-00-P	Richard Bagley	190294	4/12/96 Quotation for Reference Source System from RF Prototype Systems
C960772-00-O	Tim Molott	960412-0	4/19/96 Bid Set Specifications for Facility Construction, Hanford - Volume II-A&B
C960773-00-O		960412-0	4/19/96 Final Design Report (FDR) Set Specifications - Facility Construction, Hanford - DRAFT (Volume II - A&B)
C960774-00-O		960412-0	4/19/96 Final Design Report (FDR), Structural Calculations - Facility Construction, Hanford - DRAFT (Volume III - A1, A2, A3, A4, A5, A6, A7
	Ralph M. Parsons Company	970115-0	1/15/97 Hanford Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A
C960775-00-O		960412-0	4/19/96 Final Design Report (FDR), Civil Calculations - Facility Construction, Hanford - DRAFT (Volume III - B)
	Ralph M. Parsons Company	970115-0	1/15/97 Hanford Final Design Report (FDR), FINAL - Civil Calculations, Volume III-B
	Tim Melott	960412-0	4/12/96 Final Design Report (FDR), Mechanical Calculations - Facility Construction, Hanford - DRAFT (Volume III - C1, C2, C3)
	Ralph M. Parsons Company	970115-0	1/15/97 Hanford Final Design Report (FDR), FINAL - Mechanical Calculations, Volume III-C
C960777-00-O		960412-0	4/12/96 Final Design Report (FDR), Electrical Calculations - Facility Construction, Hanford - DRAFT (Volume III - D)
	Ralph M. Parsons Company	970115-0	1/15/97 Hanford Final Design Report (FDR), FINAL - Electrical Calculations, Volume III-D
C960778-00-O		960412-0	4/19/96 Bid Set Drawings for Facilities Construction, Hanford
C960779-00-O		960412-0	4/19/96 Final Design Report (FDR) Set Drawings -Facility Construction, Hanford - DRAFT
C960780-00-O		000412-0	4/12/96 Transmittal of Bid Set Drawings and Specifications.
C960783-00-O		960412-1	4/12/96 Hanford Final Design Report (FDR), DRAFT - Design Configuration Control Document (DCCD), Volume 1 (CDRL 15, DRD 06)
C960784-00-B			3/5/96 Balzers Invoice
C960785-00-D			3/4/96 Transmittal of Drawing
C960786-00-P	-	B27538	3/4/96 Quotation
C960787-00-O		555	10/29/96 Settllement Survey for Livingston by ABMB Engineers, Inc.
C960788-00-V	•	VO49-TN-28	3/1/96 Telecon of 2/29/96 with John Worden
	David Mc Williams	VO49-TN-26	2/28/96 Telecon of 2/28/96 with Ben Lucas
C960790-00-P		. 0 10 111 20	2/29/96 Transmittal Briefing Presentations
C960791-00-B		CBI-CT-2.2/0054	3/1/96 Pump Port Hardware
C960792-00-B		CBI-CT-2.2/0055	3/1/96 Response to TDM 96-001
C960793-00-B		CBI-CT-2.2/0053	3/1/96
C960794-00-O	Ed Jasnow		4/15/96 Transmittal Letter for Invitation for Bid (IFB) EJ-239 - Facility Construciton at Hanford
	Australian Nationl University	223995	2/25/96 Statement - The Australian National University
C960796-00-D	-		2/26/96 Informal Report #1
C960797-00-V		VO49-PL-102	2/29/96 Auxillary Turbo Cart Outline DWG. D4508
	John James Blasius	2	2/26/96 Proposed Response to RFI #5
C960799-00-O		CM-951102-F005	2/29/96 Livingston, LA, Field Construction Weekly Report
C960800-00-P	.,	0304-2724	3/4/96 Quotation for Ultra Clean FEP and Nylon Bags from CRP
C960801-00-O	Mel Weingart		3/4/96 Proposed Revised Daily Report
C960802-00-D	- 9	16373	3/1/96 Order Acknowledgement for YAG Lasers
	I		

Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C960803-00-D			2/29/96 Quotation for YAG Lasers from EG&G
C960804-00-B	Lance Buboltz	CBI-CT 2.2/0052	2/28/96 Change Order Request COR-001 - Provide and Install Soft Supports for Beam Tube Valves
C960805-00-O	Karl Drobny	CM-F0002	2/29/96 Weekly Report - Hanford
C960806-00-B	Lance Buboltz	MOF File 2.3/0047	2/29/96 Draft of Design Review Agenda, 27 March 1996
C960807-00-V	Stu Motew	V049-PL-103	2/29/96 Suggested Installation for Roughing Cart
C960808-00-D	Chris Evans		3/4/96 Informal Report #2
C960809-00-O	Candice Herrin		2/28/96 Invoice Spreadsheet for T. L. James Industrial Contractors, Inc.
C960810-00-V	Dick Curtis	V049-TN-25	2/28/96 Telecon Between Dick Curtis and Tim Melott
C960811-00-B	Warren A. Carpenter		2/28/96 Advance Copy of Acceptance Test Plan (CDRL 09) for Review
C960812-00-D			2/28/96 Calibration Procedure for the RT-30
C960813-00-O	Mel Weingart		2/27/96 Rough Estimate on the Cost of the Mid-Station Slab
C960814-00-B	Lance Buboltz	CBI-CT 2.3/0040	2/23/96 Request for Information (RFI) #13 - Termination Support Foundation Dimensions
C960815-00-V	Richard Bagley	V049-MM-8	2/23/96 Monthly LIGO/PSI Meeting Minutes (CDRL 8-8), 14 February 1996
C960816-00-B	Lance Buboltz	MOF File 2.3/0041	2/23/96 Certificates of Compliance for Welding Gases
C960817-00-P			2/23/96 Quotation for Neodymium Iron Boron Gr. 35 Rod from Jobmaster Corporation
C960818-00-V	• •	296013 (inv. #)	2/22/96 Invoice for PSI Travel Expenses for Contractors Meeting of 12-15 February 1996
C960819-00-V	0 ,	296014 (inv. #)	2/22/96 Invoice for Milestone #9E
	John James Blasius		2/26/96 New Arrangement for Construction Offices/Trailers and Laydown
C960821-00-P		E6392	2/26/96 Quotation for Custom 721 Chassis from Hybricon Corporation
	Tom Starr	V049-PL-98	2/29/96 Mounting Pads for 44" Gate Valves
	Alan Lewis	ETS-M-96-745	2/23/96 Requested Information for Unit Costs
C960824-00-P		3714	2/23/96 Quotation from Tritek Solutions, Inc.
C960825-00-V	<u> </u>	V049-PL-90	2/29/96 Responses to TIM 15
C960826-00-V	<u> </u>	V049-PL-91	2/29/96 Responses to TIM 17
C960827-00-B		MOF File 2.3/0046	2/29/96 Draft Copy of Revision 3 to "Procedure for Obtaining a Cleanliness Assessment Sample" for Review
	Garilynn Billingsley		4/16/96 Shipping Container Instructions
C960829-00-O	-	960415-0	4/16/96 Additional Support Services for Phase C and ECP 15 (ECP 15 superceded by ECP 15, Revision 1, LIGO-C960972-00-O)
C960831-00-O			4/19/96 P.O. PC197005 With DEMCO For Electric Power to the LIGO Site In Livingston
C960832-00-O			4/16/96 Commercial Power Contract at Livingston LIGO Site
C960833-00-O			4/16/96 Technical Direction Memorandum (TDM) 96-07 - ROM for Louisiana Mid-Pump Station Building
C960834-00-V			4/17/96 Engelhard/ICC Dehumidifcation Systems
C960835-00-V	• •	V049-PL-146	4/10/96 Freon Water Chillers
C960836-00-O	,	602780 (inv. #)	4/17/96 PSI Invoice, dated 5 April 1996
C960837-00-O		D0005	4/16/96 Response to Parson's Review of Livingston Geotechnical
C960838-00-O	· ·	RG005	4/16/95 Work Directive RG005 Covering Work for Checking 90 degree Angle Varification to ABMB
	Prof. Katherine Creath		3/25/96 Meeting at HDOS - LIGO Metrology and Certification Reviews
	Prof. Katherine Creath		3/26/96 LIGO-NIST Meeting 3/26/96
C960841-00-O		LTC FOOC	4/16/96 Proposed Joint Layout and Dowels Baskets for Review
C960842-00-O	•	LTC-F0006	4/16/96 Invoice #1 from Shannon & Wilson for Period 22 March - 29 March 1996
C960843-00-O C960844-00-O		PAR-L014	4/9/96 Certified Payrolls for Week Ending 31 March 1996 4/9/96 Request for Information (RFI) PAR-001 - Pneumatic Testing of U/G Conduit
C960844-00-O	· ·	S042-01310-0	4/9/95 Request for Information (RFI) PAR-001 - Pneumatic Testing of 0/G Conduit 4/16/95 Construction Schedule from Acme Materials & Construction Co.
C960845-00-O		3042-01310-0	4/17/96 Review Board for the LIGO Facility Final Design Review (FDR) for Hanford
C960847-00-O	•		4/17/96 Review Board for the Ligo Facility Final Design Review (FDR) for Harriord 4/15/96 Documents with Regard to the Lightning Protection and Grounding and Shielding Issues Discussed During Meetings at Caltech 16 February 1996
C960848-00-O	<u> </u>		4/15/96 Documents with Regards to the Lightning Protection and Grounding and Shielding Issues Discussed During the Meetings at Caltech 16 February 1996 4/15/96 Documents with Regards to the Lightning Protection and Grounding and Shielding Issues Discussed During the Meetings held at Caltech on February 16th, 1996
C960849-00-O	<u> </u>	CM-F008	4/18/96 Weekly Field Report - Hanford
C960850-00-O	· ·	F-HO-0005	4/18/96 Weekly Field Report - Livingston
C960851-00-O	•	92185	4/17/96 Slab/OSB Calculations
C960852-00-O		02 100	4/18/96 Final Design Review for the LIGO Facilities at Hanford
C960853-00-P			4/18/96 No-Cost Extension for MIT
	David Mc Williams	V049-PI-150	4/19/96 Beam Tube Gate Valves Alignment Criteria
C960855-00-O		960416-0	4/16/96 Engineering Change Proposal (ECP) #16, Revised Grading Design, Hanford
C960857-00-V	-	V049-PL-151	4/22/96 TIM 28.
	David Mc Williams	V049-TN-36	4/18/96 Telecon of 4/18/96 with John Worden
C960859-00-D	23	PP197075-75DJ	4/18/96 Order Acknowledgement from REO for the Coating Run
C960860-00-B	Lance Buboltz	CBI-CT 2.2/0070	4/17/96 Project Status Review Data Package (CDRL 25d), dated 17 April 1996
C960861-00-O		960416-1	4/16/96 Adjustable Speed Drive (ASD) Installation Study
2000001 00 0		0001101	

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C960862-00-M	Tom Everhart		4/11/96LIGO Review Congratulations
C960863-00-V	Richard Bagley	V049-PL-151	4/19/96BSC Prototype Vessel Fabrication Schedule - RANOR
C960864-00-P	Arthur Faverio		4/19/96 Facsimile From MITEQ
C960865-00-O			4/18/96 P.O. PC197081 with West Coast Porcelain, Inc. for Coating of Baffles
C960865-01-O			9/6/96 Change Order #1 for P.O. PC197081 with West Coast Porcelain, Inc Sandblasting of Beam Tube Baffles and Forklift Rental
C960865-02-O			4/10/97 Change Order #2 for P.O. PC197081 with West Coast Porcelain, Inc Termination of Glazing of Beam Tube Baffles, Initiation of Firing
C960867-00-O	Tina Lowenthal		1/20/97 Procurement Plan for RFP TL-240 for Installation of Beam Tube Enclosure, Hanford
C960868-00-O			7/19/96 Procurement Plan for RFP TL 240 For Installation of Beam Tube Enclosure, Hanford, WA.
C960868-00-O	•		7/19/96 Procurement Plan for RFP TL 240 For Installation of Beam Tube Enclosure, Hanford, WA.
C960868-00-O			7/19/96 Procurement Plan for RFP TL 240 For Installation of Beam Tube Enclosure, Hanford, WA.
C960868-00-O	·		7/19/96 Procurement Plan for RFP TL 240 For Installation of Beam Tube Enclosure, Hanford, WA.
C960868-00-O			7/19/96 Procurement Plan for RFP TL 240 For Installation of Beam Tube Enclosure, Hanford, WA.
C960869-00-D			4/12/96 Facsimile From David Farrant to Bill Kells - LIGO Data
C960871-00-B			4/23/96HA Field Install Start Date
	Larry Jones		4/23/96HA Field Install Start Date
C960872-00-O	<u> </u>		4/23/96 LIGO Cost Estimate Summary (Hanford Facilities - 2.1.F.)
C960873-00-D	· ·		4/22/96 Informal Report #6, dated 22 April 1996
C960873-00-D			4/23/96 Addendum No. 1 for IFB EJ-239 (LIGO-C960772-00-O) for Buildings and Infrastructure at Hanford, Washington
C960875-00-B			4/22/96 Heat Treating Coil Material Log Sheets
C960875-00-B C960876-00-B			4/22/96 Contract No PC181520 for LIGO Beam Tube Modules.
C960876-00-B		LTC-F0007	4/2/96 Change Order and Field Work Directive Status for Acme Materials & Construction - Hanford
C960879-00-P	,	TIS/CS L96-084	4/24/96 Revised Quote Letter for Valerie Beasley, P.O. PP157708
C960880-00-R		113/03 190-004	5/6/96 Fixed-Price Contract with Lightwave Electronics Corporation for Design and Fabrication of Nd3+ Lasers
C960880-00-R			1/28/97 Change Order #1 for P.O. PC198201 with Lightwave Electronics Corp Change in Caltech Technical Representative and Distribution
C960880-01-R			6/10/97 Change Order #2 to P.O. PC198201 with Lightwave
C960880-A-R			5/9/96 Fixed-Price Contract with Lightwave Electronics Corporation for Design & Fabrication of Nd3+ Lasers
C960881-00-O		960422-0	4/19/96 Hanford Final Design Report, DRAFT - Volume IV-B, 3 Interferometer Estimate (CDRL 15, DRD 06)
C960882-00-O		960422-0	4/19/96 Hanford Final Design Report, DRAFT - Volume IV-B, 3 Interferometer Estimate (CDRL 13, DRD 06)
C960883-00-P	· ·	900422-0	4/25/96 Distribution of FDR CDRL for Hanford
C960884-00-O		960425-0	4/25/96 Dimensions of Beam Tube Supports
C960885-00-O		F-HO-0005	4/25/96 Weekly Field Report - Livingston
C960886-00-O	•	960423-1	4/19/96 Change Order #4 - Hanford, Beam Tube Enclosure (Specifications)
C960887-00-O	- U	950423-1	4/19/96 Change Order #4 - Hanford, Beam Tube Enclosure (Specifications) 4/19/96 Change Order #4 - Hanford, Beam Tube Enclosure (Drawings)
C960888-00-O		960423-1	4/23/96 Transmittal of Change Order #4 - Hanford, Beam Tube Enclosure (Specifications and Drawings)
C960889-00-B		FAX #58	4/25/96 Potential Repair Procedure
C960890-00-V		V049-PL-153	4/25/96 GNB 1st Article Valve Schedule
C960891-00-B	0 ,	V049-FL-133	4/25/96 Large Gate Valve Needs
C960892-00-V		V049-MM-10	4/25/96 LIGO/PSI Monthly Meeting Minutes and Agenda for 16 April 1996 (CDRL 8-10)
C960893-00-P	· ,	V049-WW-10	4/26/96 LIGO Project Monthly Progress Report, LIGO-M960030-00-P - NSF Award No. PHY-9210038
C960893-00-P			4/26/96 LIGO Project Monthly Progress Report, LIGO-M960030-00-P - NSF Award No. PHY-9210038
C960894-00-O	· ·	CM-F009	4/25/96 Weekly Field Report - Hanford
C960895-00-O	-		4/26/96 Invoice for Period Ending 22 March 1996
C960896-00-V		1155-1 (inv. #) V049-PL-144	4/11/96 Project Status Report, dated 11 April 1996 (CDRL 09-5)
C960896-00-V	· ,	v U43-F L-144	4/11/96 Project Status Report, dated 11 April 1996 (CDRL 09-5) 4/26/96 Scale Error on Plots
C960898-00-D			4/30/96 CSIRO Microroughness Data
C960899-00-B			4/26/96 Flow-Down Requirements for CBI Contract
C960899-00-B			4/26/96 Technical Direction Memorandum (TDM) 96-003 - Draft CDRL Responses
C960901-00-C		96-Q019A	4/26/96 Revised Quotation Proposal for the LIGO 32.7 MHz Source
C960901-00-C		S013-01000, Rev. 6	4/26/96 Submittal Package - Detailed Design Recommendation for Joints
C960902-00-B		CBI-CT 2.2/0072	4/27/96 Project Status Review Meeting Minutes for 17 April 1996
C960903-00-B		051-01-2.2/0012	4/29/96 Amended Figure
C960905-00-B			4/29/96 Proposed Changes to Article 4, Special Provisions, E. Economic Escalation
C960908-00-P			4/30/96 Request for Approval, Proposed Contract for Nd3+ Laser Design and Fabrication (LIGO-C960880-00-R)
C960909-00-O	· ·		4/29/96 Correspondence Clarifying Status of Change Orders 1 - 5 with ACME - Hanford Site
C960910-00-B	·	MOF File 2.3/0058	4/24/96 LIGO Procurement Activities for Next Several Weeks
C960910-00-B	0.000 1 0.013	IVIOI 1 116 2.3/0030	4/29/96 Quotation from California Fine Wire Company
C960911-00-P	Ray Holder		4/29/96 Weather Status and Record for March-April 1996 - Livingston
3300312-00-0	Tay Holder		Treation oration oration and recoord for initiation April 1990 Livingston

Document No	Full Name	ContractorDocNo [Doc Dt Full Title
C960913-00-O	1	Communication	4/28/96 Comments on LIGO Lightning Protection, Grounding, and Shielding Issues
C960914-00-O			4/30/96 Requests to be Added to List of Acceptable Manufacturers (LIGO-C960874-00-O) - Hanford Site
C960915-00-V		VO49-LP-66	5/13/96 Technical Information Memorandum (TIM) 29 - Review of Selections from CivI Construction Bid Package from Parsons
C960916-00-O		7 0 10 21 00	4/30/96Bid Questions for IFB EJ-239
C960917-00-D	Chris Evans		4/22/96 Informal Report #7
C960918-00-O	Crino Evano		4/30/96Bid Questions for IFB EJ-239
	Garilynn Billingsley		5/1/96 Hereaus
C960920-00-B			5/1/96 Rolling of Material Scheduled for 6 May 1996
C960921-00-V		V049-TN-37	5/1/96 Telecon of 4/25/96 with John Worden
C960922-00-V		V049-TN-38	5/1/96 Telecon of 4/30/96 with John Worden
C960923-00-O		V040 11V 00	5/1/96 LIGO Hanford - Inconsistency, Vibration Isolation Schedule, WA-H-006
C960924-00-P	riai /imok, r E		5/1/96 Quotation from Caltex
C960925-00-D		223995 (inv. #)	4/21/96 Invoice Credit from Australian National University (ANU)
C960926-00-B	Larry Jones	220000 (1111. 11)	5/1/96 CBI-Caltech Fax #58, Potential Repair Procedure
C960927-00-B	*	CBI-CT 2.3/0059	4/30/96 Revised Milestone Payment Schedule
C960928-00-P	Lance Basenz	G9604004	5/3/96 Quotation from Heraeus Amersil Inc.
C960929-00-O	Ray Holder	050196-01	5/1/96 Livingston LIGO Site Visitors
C960931-00-B	,	000100 01	5/1/96 Schedule Change for Material Run
C960932-00-P	OIII EXIII E		5/1/96 Quotation from Johnson Matthey
C960933-00-B	Lance Buboltz	PC181520	5/8/96 Project Status Review Meeting Agenda (Caltech/CBI) - May 16, 1996
C960934-00-V		1 0 10 1020	5/2/96 Technical Information Memorandum (TIM) 30 - Shipment of FDR packages
C960935-00-V			5/2/96 Transmittal of TIM 30
C960936-00-D			5/2/96 Error in DRD Formula for Calculating the Figure of Merit for Low-Frequency Motion
C960937-00-O		F-HO-0005	5/2/96 Weekly Field Report - Livingston
C960938-00-D	ray Holder	1 110 0000	5/2/96 Information from Heraeus
C960939-00-B	Larry Jones		5/2/96 Mods to Proposed Partial Payment Milestone Values
C960940-00-B	*		5/2/96 Proposed Material Escalation Text
C960942-00-V		V049-PL-110	3/11/96 Vacuum Equipment Power Required at Load Centers - Corner Station
0000012 00 1	rtionara Bagioy	VO.10 . E 0	STATES TRANSPORTED TO THE STATE OF THE STATES OF THE STATE
C960943-00-V	Richard Bagley	PC175730	3/21/96 Change Order Request No. 19 Mode Cleaner Tube Changes
C960943-00-V		PC175730 PC181520	3/21/96 Change Order Request No. 19 Mode Cleaner Tube Changes 3/7/96 Schedule Acceleration - Action Item CBI-11
C960944-00-B	Lance Buboltz	PC175730 PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11
C960944-00-B C960945-00-R	Lance Buboltz Tina Lowenthal		3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System
C960944-00-B C960945-00-R C960946-00-R	Lance Buboltz Tina Lowenthal Tina Lowenthal		3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System
C960944-00-B C960945-00-R C960946-00-R C960947-00-R	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal		3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System
C960944-00-B C960945-00-R C960946-00-R C960947-00-R C960948-00-V	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal Tom Starr	PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 6/5/96 GNB Status Meeting Minutes - 5/30/96
C960944-00-B C960945-00-R C960946-00-R C960947-00-R C960948-00-V C960949-00-P	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal Tom Starr Steve Small	PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 6/5/96 GNB Status Meeting Minutes - 5/30/96 6/4/96 Quotation - Tritek Solutions Inc.
C960944-00-B C960945-00-R C960946-00-R C960947-00-R C960948-00-V C960949-00-P	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal Tom Starr Steve Small Eileen Irving	PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 GNB Status Meeting Minutes - 5/30/96 6/4/96 Quotation - Tritek Solutions Inc. 5/6/96 Invoice - Cableco
C960944-00-B C960945-00-R C960946-00-R C960947-00-R C960948-00-V C960949-00-P C960950-00-P C960951-00-P	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal Tom Starr Steve Small Eileen Irving Micro-tec West	PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 GNB Status Meeting Minutes - 5/30/96 6/5/96 GNB Status Meeting Minutes - 5/30/96 6/4/96 Quotation - Tritek Solutions Inc. 5/6/96 Invoice - Cableco 2/13/96 Variable Leak Valves
C960944-00-B C960945-00-R C960946-00-R C960947-00-R C960948-00-V C960949-00-P C960950-00-P C960951-00-P C960952-00-D	Lance Buboltz Tina Lowenthal Tina Lowenthal Tina Lowenthal Tom Starr Steve Small Eileen Irving Micro-tec West Scott Riles	PC181520	3/7/96 Schedule Acceleration - Action Item CBI-11 5/3/96 Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 Transmittal of Request for Proposal (RFP) TL-241 for 40 Meter Reference Source System 5/3/96 GNB Status Meeting Minutes - 5/30/96 6/4/96 Quotation - Tritek Solutions Inc. 5/6/96 Invoice - Cableco 2/13/96 Variable Leak Valves 2/7/96 Data and Corrective Action For Test Mass
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C960966-01-V		V049-1-099, Rev. 1	11/16/96LIGO Vacuum Equipment, Final Design Report - Fabrication, Volume 3, Revision 1 (CDRL 03)
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C960967-01-V	0 ,	V049-1-100, Rev. 1	11/16/96 LIGO Vacuum Equipment, Final Design Report - Installation/Commissioning, Volume IV, Revision 1 (CDRL 03)
	Process Systems Int'l, Inc.	V049-1-10, Rev. 2	7/7/97 LIGO Vacuum Equipment - Final Design Report, Volume IV - Installation/Commissioning (CDRL 03)
C960971-00-O		PP150969	4/30/96 Project Status Report
C960972-00-O		DD450000	5/2/96 Additional Support for Phase C Services
C960973-00-O		PP150969	4/29/96 Corrected Drawing List for Change Order No.4
C960974-00-V		014 5040	5/2/96 FDR Submittal Summary - Advance Notice for Drawing Numbering
C960975-00-O	·	CM-F010	5/3/96 Weekly Field Report - Hanford
C960976-00-V	Stu Motew	V049-PL-158	5/3/96 Roughing Pump Drawings from Edwards High Vacuum
C960977-00-P			5/3/96 Quotation from Caltex
C960978-00-O	•	050696-01	5/6/96 Construction Recovery Plan
C960979-00-O			3/13/96 Length Change for Type D and Type E Sections
C960980-00-O	Ray Holder	00044	3/14/96 Rough Grading Progress with Stranco
C960981-00-P		60311	3/1/96 Quotation for Quartz Wire Standoff from Accuratus Ceramic Corporation
C960981-01-P	The all accounts of	60311, Rev. #1	3/14/96 Quotation for Quartz Wire Standoff from Accuratus Ceramic Corporation
C960982-00-O			3/15/96 CBD Announcement
C960983-00-O	· ·		3/15/96 Schedule of Values and Application for Payment from ACME
C960984-00-P			3/15/96 Evaluation Agreement for Open Plan Desktop
C960985-00-V	- 1 7	LTACME FORCE	3/15/96 Revised Payment Schedule.
C960986-00-O	,	LTACME-F0005	3/15/96 Contract Document Section 01310 and Response to Bidders, Question #2
C960987-00-O	,	590515	3/12/96 PSI Invoice fro February 1996
C960988-00-D) (0.40 PL 4.40	3/11/96 NIST Informal Report #3
C960989-00-V		V049-PL-116	3/12/96 PSI Reponse to LIGO Request of Views of Clearances Around BSC2 and BSC7 (TIM 19)
C960990-00-B		CBI-CT 2.3/0052	3/12/96 Notification of Early Release for Purchase of the GPS Equipment for Alignment of the Beam Tube Modules
C960991-00-O	,	CM-F0003	3/14/96 Weekly Field Report - Hanford
C960992-00-O	,	V040 DL 400	3/15/96 Proposal from ABMB for Culvert Check and Locating of Monuments
C960993-00-V	Stu Motew	V049-PL-122	3/15/96Main Turbo Pump Stored Energy
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C960995-00-O	Ray Holder	F-HO-0005	3/14/96 Weekly Field Report - Livingston
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C961024-00-O Karl Drobny		4/4/96 Weekly Construction Activity Report: Hanford Site
C961025-00-P Geri Cottrell	047530-00	4/4/96 Cancellation of Invoice #047530-00 (Duplicate Billing)
C961026-00-O Paul Weickert	92185	4/4/96 Instrumentation Slab for the Facility - Hanford
C961027-00-O Paul Weickert		4/25/96 Final Design Review, Ligo Facility - Hanford, Washington
C961028-00-O Mel Weingart		4/22/96 LIGO Cost Estimate Summary - Hanford Facilities
C961029-00-B Cecil Franklin		4/22/96 Surveillance Procedure for Baking the Coil Material
C961030-00-V Paul Hendry	VO49-PL-143	4/11/96 Updated Project Schedule
C961031-00-O Ralph M. Parsons Compan		4/11/96 Hanford Site Proposed Location of F.O. Cable Pullbox and Conduit at Mid and End Station
C961032-00-O Ray Holder	F-HO-0005	4/11/96 Field Weekly Report - Livingston
C961033-00-O Otto Matherny		3/20/96 Conduits for Mid and End Station
C961034-00-V Richard Bagley	VO49-PL-140	4/10/96 Miscellaneous Project Issues
C961035-00-P Michelle Steiner		4/10/96 Invoice - Cisco Systems
C961036-00-B Deidre Sinchak	CBI-CT-2.2/0049	4/10/96 CBI Request for Information (RFI) 14 - Pump Port Hardware
C961036-00-B Warren A. Carpenter	CBI-CT-2.2/0049	4/10/96 CBI Request for Information (RFI) 14 - Pump Port Hardware
C961037-00-V Richard Bagley	VO49-PL-139	4/10/96 LIGO Vacuum Equipment Monthly Status Meeting Agenda - April 16, 1996
C961038-00-V Fadi Bark		4/7/96 Carts Receptacles
C961039-00-P Ray Yuen		4/5/96 MIT Request for Foreign Travel Approval
C961040-00-D Chris Evans		4/9/96 Informal Report #5
C961040-25-V Richard Bagley	V049-NL-25	4/2/97 Project Needs List #25
C961041-00-P Linda Turner		5/10/96 Distribution of PSI CDRL Documentation
C961042-00-B Lance Buboltz	CBI-CT 2.2/0079	5/8/96 CBI Request for Information (RFI) #17 - Proposed Fixed Support Base Modifications
C961043-00-B Ken Wilson		4/8/96 Clarification Requested for P.O. #PP195912
C961044-00-B Ed Jasnow		5/10/96 Liquid Nitrogen Dewars
C961045-00-V Tom Starr	VO49-TN-33	4/5/96 GNB Gate Valve Weld Stubs
C961046-00-E William Parker		4/4/96 LIGO Program Electromagnetic Compatibility Plan
C961047-00-O Alan Rohay		4/4/96 Progress Report - Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site
C961048-00-P Lightwave Electronics Corp)	4/5/96 Interest Billing Rates for Fiscal Year 1996
C961049-00-O Jo Drummond		4/4/96 Construction Schedule Sequencing
C961050-00-O Ron May		4/4/96 Land Lease/Grant - Livingston
C961051-00-O Ray Holder	F-HO-0005	4/4/96 LIGO Louisiana, Field Weekly Report
C961052-00-V Bill Murphy		4/4/96 Revised Payment Schedule
C961053-00-B Paul A. LoBello		4/4/96 Value Engineering Proposal, Sharing Rates
C961054-00-P Linda Turner		5/10/96 Distribution of CDRL Documentation
C961055-00-E Garilynn Billingsley		5/13/96 Transmittal of LIGO Documents
C961056-00-V John Worden		5/10/96 Technical Information Memorandum (TIM) 32 - Authorization for Procurement of LN2 Tanks
C961057-00-V John Worden		5/10/96Transmittal of TIM 32
C961058-00-V Richard Bagley		
	V049-PL-167	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks
C961059-00-O John Stewart	V049-PL-167	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston
C961060-00-R Ed Jasnow	V049-PL-167	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R)
C961060-00-R Ed Jasnow C961061-00-O Fred Asiri		5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R) 5/10/96 Technical Direction Memorandum (TDM) 96-08 - Conditional Approval of Draft Final Design Package
C961060-00-R Ed Jasnow C961061-00-O Fred Asiri C961062-00-P Lori Saal	29-0188	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R) 5/10/96 Technical Direction Memorandum (TDM) 96-08 - Conditional Approval of Draft Final Design Package 5/8/96 Maintenance Renewal Qoutation for Arbortext Software
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C961060-00-R Ed Jasnow C961061-00-O Fred Asiri C961062-00-P Lori Saal C961063-00-P National Instruments C961064-00-D Ken Scribner	29-0188	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R) 5/10/96 Technical Direction Memorandum (TDM) 96-08 - Conditional Approval of Draft Final Design Package 5/8/96 Maintenance Renewal Qoutation for Arbortext Software 5/8/96 National Instruments PP199415 5/8/96 Surface Roughness Samples
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C961060-00-R Ed Jasnow C961061-00-O Fred Asiri C961062-00-P Lori Saal C961063-00-P National Instruments C961064-00-D Ken Scribner C961065-00-O Jan Szwed C961066-00-O Ray Holder C961067-00-V David Mc Williams C961068-00-P Eurcinia Lister C961069-01-E William Parker C961070-00-R Ed Jasnow C961071-00-B Lance Buboltz C961072-00-P Phil Lindquist C961073-00-O Karl Drobny C961075-00-O Karl Drobny C961076-00-O Karl Drobny	29-0188 PP199415 F-HO-0005 VO49-PL-165 CBI-CT 2.3/0062 LTC-F0011 CM-F011 LTC-F0010 LTC-F0009	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R) 5/10/96 Technical Direction Memorandum (TDM) 96-08 - Conditional Approval of Draft Final Design Package 5/8/96 Maintenance Renewal Qoutation for Arbortext Software 5/8/96 Surface Roughness Samples 5/8/96 Surface Roughness Samples 5/8/96 Recovery of Production Schedule for LIGO Livingston Project 6/9/96 Weekly Field Report - Livingston 5/9/96 Vacuum Equipment Final Design Review Outline/Agenda May 22 & 23 1996 5/9/96 Vacuum Equipment Final Design Review Outline/Agenda May 22 & 23 1996 5/9/96 Quotation (CalTex Plastics) 4/10/96 LIGO EMI Control Plan and Procedures 5/8/96 Draft 16 May 1996 Meeting Agenda 5/2/296 Transmittal of LIGO Project Monthly Progress Report, LIGO-M960037-00-P, NSF Award No. PHY-9210038 5/9/96 LIGO Project Hanford, Payment Request for Proposed Change Order #2, From Acme Materials & Construction, To Provide Added Electrical Installations and Pipe Crossing 5/9/96 Weekly Construction Activity Report: Hanford Site (May 4-10, 1996) 5/9/96 LIGO Project Hanford, Payment Request for Field Work Directive #ACME-F-005 from Acme Materials & Construction, to Provide Labor and Equipment for Test Holes Excavation and Backfill
C961060-00-R Ed Jasnow C961061-00-O Fred Asiri C961062-00-P Lori Saal C961063-00-P National Instruments C961064-00-D Ken Scribner C961065-00-O Jan Szwed C961066-00-O Ray Holder C961067-00-V David Mc Williams C961068-00-P Eurcinia Lister C961069-01-E William Parker C961070-00-R Ed Jasnow C961071-00-B Lance Buboltz C961072-00-P Phil Lindquist C961073-00-O Karl Drobny C961075-00-O Karl Drobny	29-0188 PP199415 F-HO-0005 VO49-PL-165 CBI-CT 2.3/0062 LTC-F0011 CM-F011 LTC-F0010	5/10/96 Request for Authorization to Purchase Liquid Nitrogen (LN2) Tanks 2/6/96 Decision NOT to Submit Proposal for Provision of Electric Service in Livingston 5/13/96 Request for Approval, Revised Proposed Contract for Nd3+ Laser Design and Fabrication, Contract No. PC198201 (LIGO-C960880-A-R) 5/10/96 Technical Direction Memorandum (TDM) 96-08 - Conditional Approval of Draft Final Design Package 5/6/96 National Instruments PP199415 5/6/96 National Instruments PP199415 5/6/96 Surface Roughness Samples 5/6/96 National Instruments PP199415 5/6/96 Surface Roughness Samples 5/6/96 Veekly Field Report - Livingston 5/9/96 Veekly Field Report - Livingston 5/9/96 Quotation (CarTex Plastics) 4/10/96 LIGO EMI Control Plan and Procedures 5/13/96 Notice of Award to Lightwave Electronics Corporation for Design and Fabrication of Nd3+ Lasers (LIGO-C960880-A-R) 5/6/96 Variant 16 May 1996 Meeting Agenda 5/2/96 Transmittal of LIGO Project Monthly Progress Report, LIGO-M960037-00-P, NSF Award No. PHY-9210038 5/9/96 LIGO Project Hanford, Payment Request for Proposed Change Order #2, From Acme Materials & Construction, to Provide and Install Geotextile Fabric Along Arm 2

Document No	Full Name	ContractorDocNo D	Doe Dt Full Title
C961079-00-B		CONTRACTORDOCINO L	5/9/96 Design Document Revisions - Welding Procedure Specifications and Qualifications (DRD 03, CDRL 24-6)
C961079-00-B		CBI-CT 2.2/0117	7/17/96 Design Document Revisions Welding Procedure Specifications and Qualifications (DRD 03, CDRL 24-0)
C961079-02-B	•	CBI-C1 2.2/0117	1/20/97 Design Document Revisions - Welding Procedure Specifications and Qualifications (CDRL 24-6, Rev. 3; DRD 03)
C961080-01-B	СЫ		7/29/96 Design Document Revisions, Expansion Joint Specification C-EJ-CO, Revision 5 (CDRL 24-7, Revision 1 - DRD 03)
C961080-04-B	Lanca Ruboltz	C-EJ-CO, Rev. 4	5/9/96 Design Document Revisions - Expansion Joint Specification C-EJ-CO, Revision 3 (CDRL 24-7, Revision 1 - DRD 03)
C961080-04-B		CBI-CT 2.2/0080	5/9/96 Transmittal of CDRLS 24 - 6 & 7
C961082-00-B		CBI-CT 2.2/0073	5/1/96 Partial Payment Invoice (inv. #16037)
C961083-00-D	,	CBI-C1 2.2/0073	5/10/96 Stranco Meeting Minutes - May 7, 1996
	David Mc Williams	VO49-PL-166	5/10/96 Vacuum Equipment Final Design Review Agenda - May 22, 1996
C961085-00-P		VO49-PL-100	5/10/96 Specification Request for T2.5-6-X65, T4-6-X65, and T9-1-X65
	Chris Humphreys	256 50426 255	
		256-50126-255	5/1/96 Monthly Report, APRIL 1996
C961086-00-O C961087-00-B	*	256-50126-255 CBI-CT 2.2/0077	5/1/96 Monthly Report, APRIL 1996 5/7/96 CBI's Response to Caltech TDM 96-003 re CDRL Submittals
C961087-00-B			'
	William O. Miller	CBI-CT 2.2/0081	5/13/96 Provision of Prepared Area for Site Facilities and Material and Equipment Laydown
C961089-00-D		CBI-CT 2.2/0082	5/7/96 Draft Work Statement for the Ligo Stack Effort
		CBI-CT 2.2/0002	5/13/96 Invoice Milestone #4 Payment (Invoice # WBC-3239)
C961091-00-D		DUEACCALT	5/14/96 Informal Report #8
	Robert L. Hubbard	RH510CALT	5/10/96 Quotation for Sun Workstation (Western Scientific)
C961095-00-B		VO40 DI 470	5/23/96 Technical Information Memorandum (TIM) 014 - Respone to RFI #18
C961097-00-V		VO49-PL-170	5/13/96 Signed TIM 30 and TIM 29
C961098-00-B	•		5/14/96 May 16 Agenda; Cleaning Water Spec
C961099-00-B		22 22121	5/15/96 Project Status Review Meeting Agenda - May 16, 1996
C961100-00-P	-	96-Q019A	5/13/96 Proposal for the Ligo 32.7 MHz Source
C961101-00-O			6/6/96 Bid Questions
C961103-00-O	•		5/13/96 Planholder's List for Ligo EJ-239
C961104-00-P	William Parker		5/13/96 Accrued Electromagnetic Compatibility Consulting Charges
C961105-00-O			5/16/96 Addendum #2 to IFB EJ-239 for Facilities Construction - Hanford, WA
C961106-00-D			5/16/96 Transmittal of Drawings of Beam Splitter Chamber for Use in Seismic Stack Design
C961107-00-M		1443624 (inv. #)	4/25/96 Billing for Legal Services by Perkins Coie
	George A. Grant, Inc.		5/14/96 Pre-Bid Questions
C961109-00-B			
0001110000			5/13/96 Techalloy's Production of the Weld Wire for the Ligo Beam Tubes
C961110-00-P	Irena Petrac	V0.02 D1.424	5/13/96 NIST Contract Information
C961112-00-V	Irena Petrac Richard Bagley	V049-PL-151	5/13/96 NIST Contract Information 4/22/96 Signed TIM 28
C961112-00-V C961113-00-P	Irena Petrac Richard Bagley Tina Lowenthal	V049-PL-151	5/13/96 NIST Contract Information 4/22/96 Signed TIM 28 4/26/96 No-Cost Extension on MIT Work on PHY-9210038
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Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C961138-00-V	Tom Starr	VO49-8-211	3/5/96 Quality Assurance Procedure Inspection and Testing
C961139-00-V	Tom Starr	VO49-8-212	3/5/96 Control of Inspection, Measuring, and Test Equipment
C961140-00-V	Tom Starr	VO49-8-213	3/5/96 Control of a Nonconforming Product
	Tom Starr	VO49-8-231	4/19/96 Ligo Weld Specifications
	Tom Starr	VO49-8-234	4/19/96 Manufacturing Process, Wheels, Ligo
	Tom Starr	VO49-8-235	4/19/96 Hand Scrub Procedure
	Tom Starr	VO49-8-236	4/19/96 Manufacturing Process, Body Weldment, Ligo
	Tom Starr	VO49-8-237	4/19/96 Manufacturing Process, Pins/Axles, Ligo
	Tom Starr	VO49-8-238	4/19/96 Manufacturing Process, Bonnet Frame, Ligo
	Tom Starr	VO49-8-239	4/19/96 Manufacturing Process, Body Plates, Ligo
	Tom Starr	VO49-8-240	4/19/96 Manufacturing Process, Carriage, Ligo
	Tom Starr	VO49-8-241	4/19/96 Manufacturing Process, Bonnet Plates, Ligo
	Tom Starr	VO49-8-242	4/19/96 Manufacturing Process, Gate Frame, Ligo
	Tom Starr	VO49-8-243	4/19/96 Manufacturing Process, Gate Plate, Ligo
	Tom Starr	VO49-8-244	4/19/96 Manufacturing Process, Link Plate, Ligo
	Tom Starr	VO49-8-245	4/19/96 Assembly Process Carriage/Gate/Gate Frame Assembly
	Tom Starr	VO49-8-247	4/19/96 Testing, 1st Article, Ligo
	Tom Starr	VO49-8-248	4/19/96 UHV General Specifications
	Tom Starr	VO49-8-255	5/3/96 Assembly G48E
	Tom Starr	VO49-8-233	4/19/96 Manufacturing Process, Drive Components, Ligo
C961158-00-O		V O 10 0 200	5/23/96 Ligo Hanford Weekly Report for Period Ending May 24, 1996
C961159-00-O	·		5/22/96 Clarifications on Invitation for Bid EJ-239 (Ligo-C960736-00-O) for Buildings and Infrastructure at Hanford, Washington
C961160-00-V	*	VO49-1-103	5/17/96 Final Design Review Data Package - CDRL NO. 03
C961161-00-B	~ ,	PC181520	5/16/96 Project Status Review Meeting Minutes for May 16, 1996
C961162-00-V		9605009 (inv. #)	5/23/96 Invoice for Milestone 9H
C961163-00-V	0 ,	9003009 (IIIV. #)	5/23/96 Notification of Order Placed for Liquid Nitrogen (LN2) Dewars
	McMaster-Carr Supp. Co.	57012	5/21/96 Quotation - Mc Master-Carr Supply Company
	Tim Melott	960524-0	5/24/96 Hanford Civil Construction Bid Addendum #2 to IFB EJ-239
C961166-00-V		900324-0	5/29/96 Technical Information Memorandum (TIM) #33
C961167-00-V			5/28/96 Technical Information Memorandum (TIM) #35 5/28/96 Technical Information Memorandum (TIM) #34
C961168-00-V			5/28/96 Transmittal of TIM 34
C961169-00-V			5/28/96 Sketch Showing Missing Pieces of Information for CBI
C961170-00-P		Inv. #96-027	5/26/96 Accrued Electromagnetic Compatibility Consulting Charges
C961171-00-E		1117. #90-027	5/26/96 Response to Comments on 2nd Draft of Ligo EMI Control Plan
	Stefanie Malkenhorst		5/24/96 Invoice - Centra Worldwide, Inc.
C961173-00-B			5/23/96 "CalTech" Stainless Baffles
C961174-00-V		VO49-PL-176	5/24/96 LNz Dewar Purchase Invoice for Information
C961176-00-V	·	00450678 (inv. #)	5/5/96 Fee Invoice for Period Ending 22 March 1996
C961177-00-O		00433660-00433663	5/5/96 Invoices for Period Ending 22 March 1996 5/5/96 Invoices for Period Ending 22 March 1996
			5/28/96 Invoice for Milestone 9C
C961178-00-V	= -	9605014 (inv. #)	
C961179-00-V C961180-00-D	Nicitatu Dayley	0005724	5/29/96 Notification of Order Placement for Stainless Steel Vessel Material
	Tim Molott		5/19/96 Invoice from Australian National University
C961181-00-O		960624-1	5/28/96 Livingston Mid Station Estimate 6/7/06 Paguest For Proposal (PER) TI 240 Page Tube Englacure Installation Pagkage for Hanford (Specifications and Drawings)
C961182-00-O		960528-2 DC204425	6/7/96 Request For Proposal (RFP) TL 240 - Beam Tube Enclosure Installation Package for Hanford (Specifications and Drawings)
C961183-00-R		PC201125	5/31/96 Fixed-Price Contract Between California Institute of Technology and Vectronics Microwave Corporation for Ligo 40 Meter Reference Source System
C961184-00-B		CBI-CT 2.2/0083A	5/17/96 Project Status Review Data Package (CDRL #25e)
C961185-00-B		ODLOT 0 0/0005	5/30/96 Approval for CDRL #24-6 (Weld Procedures) and #24-7 (C-EJ-CO)
C961186-00-B		CBI-CT 2.2/0085	5/22/96 Mill Test Reports (CDRL #29.01) 5/20/96 LCO Civil Construction W/A Facilities Construction Bid Backers
C961187-00-B	*	PC181520	5/30/96 LIGO Civil Construction, WA Facilities: Construction Bid Package
C961188-00-B	-		5/30/96 LA Warehouse Article
C961189-00-B		D0404500	5/30/96 TDM 96-004: Conditional Approval of Draft CDRLs 01 Through 24-5
C961190-00-B	•	PC181520	5/30/96 TDM No. 96-004
C961191-00-B		CBI-CT 2.2/0084	5/22/96 Liquid Nitrogen Dewars - Caltech Memo of 10 May 1996
C961192-00-D		VO 40 EL 170	5/30/96 Kick-Off Meeting.
C961193-00-V	·	VO49-PL-178	5/29/96 Reimbursable Invoice #296015
C961194-00-P			5/29/96 Service Agreement with MCE Technical Services
C961195-00-O	Jerry Reis		5/29/96 Pre-Bid Questions

C961196-00-B Steve Peters C961197-00-B Lance Buboltz C961198-00-O Tim Melott C961199-00-V Richard Bagley C961200-00-R Irena Petrac	953571 PC181520 960530-0	5/30/96 Procurement Schedule 4/17/96 Revised April 17, 1996 Project Status Review Meeting Minutes
C961198-00-O Tim Melott C961199-00-V Richard Bagley		4/17/96 Revised April 17, 1996 Project Status Review Meeting Minutes
C961199-00-V Richard Bagley	960530-0	· · · · · · · · · · · · · · · · · · ·
		5/30/96 Responses to Bidders' Questions Received since May 20, 1996 through May 28, 1996
C961200-00-R Irana Patrac	CT045	5/30/96 Transmittal of Engineering Drawing
OUTZOU OU IN HEHA I GUAL	PC198201	5/31/96 Notice of Award for PO PC198201 for the Design and Fabrication of Nd3+ Lasers
C961201-00-O Ray Holder		5/30/96 Weekly Field Report - Livingston
C961202-00-V Richard Bagley	VO49-PL-181	5/31/96 Response to TIM 29
C961202-04-P Irena Petrac		7/24/96 Change Order #4 for P.O. PC185630 with Hytec - Extends Scope of Work to Include Design and Fabrication Supervision of LIGO Seismic Isolation Stacks
C961203-00-V Richard Bagley	VO49-PL-180	5/31/96 PSI Background Vibration
C961204-00-O Ray Holder	Inv. #7672	5/30/96 Request for Payment on Stranco's Invoice #7672
C961205-00-U		6/4/96
C961206-00-R Tina Lowenthal		6/4/96 Transmittal of Contract Number PC201125 (LIGO-C961183-00-R) for the 40 Meter Reference Source System.
C961207-00-E Tina Lowenthal		6/11/96 Request for Quotation (RFQ) TL-243 - Fabrication of Fused Silica Mirror Blanks
C961208-00-V John Worden		5/28/96 Technical Information Memorandum (TIM) 35 - Transmittal of Selected Parsons Re: LN2 Tank Slabs
C961209-00-B Lance Buboltz	CBI-CT 2.2/0087	6/3/96 Action Item #CBI-20, Contract Material Schedule
C961210-00-B Lance Buboltz	CBI-CT 2.2/0088	6/3/96 Action Item #CBI-15, Re-evaluate Site Laydown Area Requirements
C961211-00-B Larry Jones	PC181520	6/5/96 TIM-015, Deionized Water for Tube Cleaning
C961212-00-B Lance Buboltz	CBI-CT 2.2/0089	5/29/96 Project Status Review Meeting Minutes for 26 May 1996 (DRD 19, CDRL 40d)
C961213-00-B Larry Jones	PC181520	6/5/96 Technical Information Memorandum 15
C961214-00-O Ed Jasnow		6/5/96 Deadline for Receipt of Questions and Requests for IFB EJ-239 for Facilities Construction in Hanford
C961215-00-V John Worden		6/7/96 Technical Direction Memorandum (TDM) #10 - Conditional Approval of CDRL 03, Final Design
C961216-00-O Karl Drobny		5/29/96 Field Work Directive
C961217-00-O Karl Drobny		5/28/96 Meeting Minutes from Contractor(Acme) and Construction Manager Site Meeting (Meeting 4) - 5/23/96
C961218-00-O Jim Allen	PC189539	5/13/96 Change Order #3
C961219-00-O Karl Drobny	PC195312	5/22/96 Ligo Project, Hanford, Washington. Clarification of Charges for a Four(4) Hour Call Out for a Certified Quality Assurance Technician.
C961220-00-O Karl Drobny		6/3/96 Meeting Minutes for Contractor(Acme) and Construction Manager Site Meeting (Meeting 5) - 6/30/96
C961221-00-O Karl Drobny		6/4/96 LIGO Project Hanford, Progress Payment Request Number 2 From Acme Materials and Construction, For Period 4/26/96 - 5/25/96.
C961222-00-O Jim Allen		6/4/96 Application for Payment for Work Through May 28, 1996.
C961223-00-O Karl Drobny	LTC-F0016	6/4/96 Payment Request for Field Work Directive #ACME-F-006 From Acme Materials to Provide Labor, Material and Equipment Necessary for the Repair of the Existing Temporary Water Line from the Well to the Pond
C961224-00-O Jim Allen	PAR-L036	6/4/96 Application for Payment for Work Through 28 May 1996
C961225-00-O Jim Allen	PC189539	6/4/96 Postponement of Bituminous Surface Treatment, BST
C961226-00-O Jim Allen		5/31/96 Repair of Slab Edge (Request for Information #036)
C961227-00-O Jim Allen		5/28/96 Repair of Shrinkage Cracks (Request for Information #034)
C961228-00-O Jim Allen		5/28/96 Crack at a Doweled Contraction Joint (Request for Information #035)
C961229-00-O Jim Allen	PC189539	6/3/96 CBI Office Parking Lot and Lay-Down Area
C961230-00-O Jim Allen	PC189539	6/3/96 Certified Payrolls
C961231-00-O Karl Drobny		6/3/96 Field Work Directive
C961232-00-O Karl Drobny		5/31/96 Ligo Project, Hanford, Washington. Submittal of Precast Beam Tube Enclosure Production and Delivery To Site Schedule.
C961233-00-V John Worden		6/7/96 Technical Direction Memorandum (TDM) 10 - Conditional Approval of FDR, CDRL 03
C961236-00-O Karl Drobny	ACME-F-010	6/5/96 Field Work Directive to ACME
C961237-00-O Jim Allen		4/19/96 Request for Information (RFI) #22 from ACME
C961238-00-O Karl Drobny		6/7/96 Site Meeting Minutes for 3 June 1996 with ACME
C961239-00-O Karl Drobny	RSI-006	6/6/96 Field Work Directive for Rogers Surveying, Inc.
C961240-00-O K. Donnelson		5/23/96 DOE's Well Water Test Results by Groundwater Sample Field Record
C961241-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation.
C961242-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation.
C961243-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation.
C961244-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation
C961245-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation.
C961246-00-O Tina Lowenthal		6/12/96 Request for Proposal (RFP) No. TL-240 for Beam Tube Enclosure Installation.
C961247-00-F Mark Coles		6/10/96 Your Request for Electrical Usage and Cost Information for the LIGO Observatories
C961248-00-D Alex Abramovici		6/11/96 Kick-Off Meeting Agenda.
C961249-00-D Garilynn Billingsley		6/11/96 Advance Copies of Material Specifications.
C961250-00-B Larry Jones		6/12/96 Baffle Issues, RFI #3
C961251-00-D Garilynn Billingsley		6/11/96 Advance Copies of Material Specifications.
C961252-00-D Garilynn Billingsley		6/11/96 Advance Copies of Material Specifications.
C961253-00-D Garilynn Billingsley		6/11/96 Advance Copies of Material Specifications.

C961254-00-V Stu Motew CT028 4/17/96 Transmittal of Vacuum Equipm	
2001-201 US V Statistical Of Vacuum Equipm	ent Drawings
C961255-00-D Garilynn Billingsley 6/11/96LIGO Future Procurement Plan	ns for Core Optics.
C961256-00-D Garilynn Billingsley 6/11/96 LIGO Future Procurement Plan	ns for Core Optics.
C961257-00-B Lance Buboltz CBI-CT 2.2/0093 6/7/96 Request for Information (RFI) -	#19 and #20
C961258-00-O Karl Drobny LTACME-F0017 6/11/96 Minutes for Meeting Between F	Parsons and Acme on 6 June 1996
C961259-00-O Jim Allen PAR-L045 6/6/96 Concrete Products Production	and Delivery Schedule
C961260-00-O Gary Wagner RSI-001 5/30/96 Computed Station and Offset D	Oata from As-Built Survey of Construction Joint Layout on the Southwest Leg - Hanford
C961261-00-O Karl Drobny LTC-F0021 6/11/96 Payment Request from Shanno	on & Wilson, Inc. for Additional Cost to the Previous Invoice of Field Work Directive #SW-F001, Invoice #1404
C961262-00-O Karl Drobny LTC-F0020 6/11/96 Payment Request from Shanno	on & Wilson for Field Work Directive #SW-F0002, Invoice #1405
C961263-00-O Karl Drobny LTC-F0019 6/11/96 Invoice #3 (invoice #1409), Sub-	omitted by Shannon & Wilson, for Period 28 April 1996 through 24 May 1996
C961264-00-O Karl Drobny LTC-F0018 6/10/96 Payment Request from Shanno	on & Wilson, Inc. for Field Work Directive #RSI-004, Which is Submitted by Rogers Surveying, Inc.
C961265-00-V Richard Bagley 96060005 (inv. #) 6/10/96 Invoice for Milestone #9D	
C961266-00-V Richard Bagley 96060003 (inv. #) 6/10/96 Invoice for Milestone 7 and 8	
C961267-00-V John Worden 6/13/96 Technical Information Memoral	ndum (TIM) #36
C961268-00-V John Worden 6/13/96 Transmittal of TIM 36	
C961269-00-R Tina Lowenthal 5/31/96 Notice of Award for 40 Meter R	eference Source System, P.O. PC201125 to Vectronics Microwave Corporation
C961270-00-B Larry Jones 6/13/96 Proposed Changes to VE Deliv	verables for the Beam Tube Contractor
C961272-00-V Richard Bagley V049-PL-146 4/10/96 Freon Water Chillers Electrical	Requirements
C961273-00-B Larry Jones 6/13/96 Pump Cart Issues, RFI #11	
C961274-00-B Marty Tellalian CBI-CT 2.2/0095 6/12/96 CBI Proposal to Investigate Op	tions to Allow a Higher Bake Temperature
C961275-00-V Richard Bagley 6/13/96 Monthly Status Report, MAY 19	996 (CDRL 09-7)
C961276-00-V Richard Bagley 5/10/96 Monthly Status Report, APRIL	1996 (CDRL 09-6)
C961277-00-V Stu Motew CT047 6/13/96 Transmittal of Drawings from E	dwards High Vacuum International
C961278-00-D Robbie Vogt 6/18/96 Transmittal of Drawings	
C961279-00-B Lance Buboltz CBI-CT 2.2/0094 6/11/96 LIGO Site and Fabrication Office	ces, Address and Phone Lists
C961280-00-B Lance Buboltz CBI-CT 2.2/0096 6/13/96 Mill Test Reports - CDRL #29.0	02
C961281-00-E Tina Lowenthal 6/20/96 Additional RFQ TL-243 Docum	entation
C961282-00-B Lance Buboltz 6/17/96 Revised Agenda for Project Sta	atus Review Meeting on 19 June 1996
C961283-00-D Rick Savage 7/1/96 Kickoff Meeting for Contract with	th Lightwave Electronics
C961284-00-O Ty Howe 6/6/96 Pre-Bid Questions	
C961285-00-D Garilynn Billingsley 6/18/96 Polishing Specification, Scratch	nes and Point Defects.
C961287-00-D William O. Miller 6/17/96 BSC Draft Proposal	
C961288-00-O Tim Melott 6/19/96 Low Humidity at Livingston	
C961289-00-O Timothy Lewis 6/18/96 Bid Proposal Request	
C961290-00-P Sherri Schwartz 5/29/96 Service Agreement for Personn	nel Support at Hanford Site
C961291-00-P Monica Sorcelli 6/13/96 Quotation - Nor-Cal	
C961292-00-P Edward W. Trieste 2634/ET 6/13/96 Quotation - Optics For Research	ch can be a second of the seco
C961293-00-V David Mc Williams VO49-PL-187 6/13/96 BSC Annulus Piping II	
C961294-00-P Ramin Lalezari 6/10/96 Quotation - Research Electro-C	·
C961295-00-B Curt Crist PP195911 6/10/96 Description of Proposed Contra	v
C961296-00-B Curt Crist PP195911 6/13/96 Description of Proposed Contra	act Changes for PO PP195911
C961297-00-V Tom Starr VO49-PL-183 6/10/96 GNB Shock Test Schedule	
C961298-00-V Tom Starr VO49-PL-185 6/11/96 GNB Schedule	
C961299-00-P Jim Swindells 6/11/96 Quotation - U.S. Equipment Co	
C961300-00-P Jon Colson 6/11/96 Quotation - Altair Gases and E	· ·
C961301-00-P Monica Sorcelli 6/11/96 Quotation - Nor-Cal Products, I	
C961302-00-B Lance Buboltz PC181520 6/12/96 Project Status Review Meeting	·
C961303-00-O Ara Arman 6/13/96 Recommended Architects With	'
C961304-00-O Ray Holder 6/13/96 Weekly Field Report - Livingsto	on
C961305-00-V David Mc Williams PL186 6/13/96 BSC Annulus Piping	
C961306-00-O Karl Drobny 6/6/96 Weekly Construction Activity R	eport - Hanford
C961307-00-O Curt Crist 6/7/96 Caltech/Ligo Baffles	
C961308-00-O Curt Crist 6/7/96 Caltech/Ligo Baffles	
	L-243 (LIGO-C961207-00-E) for Fused Silica Mirror Blanks
	L-243 (LIGO-C961207-00-E) for Fused Silica Mirror Blanks
	L-243 (LIGO-C961207-00-E) for Fused Silica Mirror Blanks
C961312-00-E Irena Petrac 6/21/96 Request for Quotation (RFQ) T	L-243 (LIGO-C961207-00-E) for Fused Silica Mirror Blanks

Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C961313-00-O	Steven Palmrose		6/7/96 Bid Questions
C961314-00-O	Karl Drobny		6/13/96 Weekly Construction Activity Report: Hanford Site
C961315-00-O	Otto Matherny		6/7/96 Invoice
C961316-00-P	·		6/17/96 Quotation - Tritek Solutions, Inc.
C961317-00-P	Richard Matthews		6/17/96 Quotation for Sun
C961318-00-O	Fred Asiri		6/21/96 Transmittal of Documentation
C961319-00-P			7/8/96 Transmittal of LIGO Project Quarterly Report
	Prof. Katherine Creath		6/17/96 Consultant Invoice for Katherine Creath
C961321-00-V	Richard Bagley	VO49-TN-39	6/19/96 LIGO Project Telecon Notes
C961322-00-O	Karl Drobny	LTC-F0022	6/19/96 Payment Request (Invoice #961621) for Field Work Directive #RSI-F007, Which is Submitted by Rogers Surveying, Inc.
C961323-00-O	•	ACME-F-001	3/7/96 Field Work Directive
C961324-00-O	Karl Drobny	ACME-F-003	3/28/96 Field Work Directive
C961325-00-O	Karl Drobny	ACME-F-004	4/16/96 Field Work Directive
C961326-00-O	Karl Drobny	ACME-F-005	4/16/96 Field Work Directive
C961327-00-O	Karl Drobny	ACME-F-006	4/24/96 Field Work Directive
C961328-00-O	Karl Drobny	ACME-F007	6/1/96 Field Work Directive
C961329-00-O	Karl Drobny	ACME-F-009	5/29/96 Field Work Directive
C961330-00-O	Karl Drobny	ACME-F-008	5/29/96 Field Work Directive
C961331-00-P	Ed Jasnow		6/13/96 P.O. PC201985 with J. R. Orr for Review of and Participation in the LIGO Safety Program
C961332-00-O	Karl Drobny	ACME-F-010	6/5/96 Field Work Directive
C961333-00-O	Karl Drobny	ACME-F-011	6/17/96 Field Work Directive
C961334-00-O	Karl Drobny	ACME-F-01	6/17/96 Field Work Directive
C961335-00-O	Karl Drobny	ACME-F-013	6/17/96 Field Work Directive
C961336-00-O	C. Henry		6/20/96 Minutes of Construction Progress Meeting - 6/18/96
C961337-00-B	Lance Buboltz	PC181520	6/19/96 Project Status Review Data Package - CDRL #25f
C961338-00-B	Lance Buboltz	PC181520	6/21/96 Invoice Milestone Payment
C961339-00-O	Tim Melott	960621-1	6/21/96 Livingston Beam Tube Installation Final Design Review (FDR) Specifications
C961340-00-O	Tim Melott	960621-1	6/21/96 Livingston Beam Tube Enclosure Final Design Review (FDR) - Specifications and Drawings
C961341-00-O	Tim Melott	PM-960621	6/21/96 Weekly Report
C961342-00-C	Denise Gothard		6/21/96 Evaluation Agreement L-1486
C961343-00-O	Karl Drobny		6/20/96 Weekly Construction Activity Report: Hanford Site
C961344-00-O	C. Henry		6/20/96 Field Weekly Construction Report for W/E 6/19/96
C961345-00-B		PP195912	6/20/96 Beam Tube Baffles - Schedule Update
C961346-00-O	Tim Melott		5/20/96 Bid Questions.
	Tina Lowenthal		5/15/96 Advance Copy for Request for Approval, Change Order No. 3 to Contract No. PP184342 With the National Institute of Standards and Technology (NIST)
C961348-00-P		224842 (inv. #)	6/16/96 Invoice from CSIRO
C961349-00-O			5/17/96 Weekly Report.
	Jamie A. Lennick		4/3/96 Regarding Invitation for Bid Package
C961351-00-O		960612-0	6/12/96 Project Status Report, dated 7 June 1996 (CDRL 05, DRD 02)
C961352-00-V		VO49-PL-188	6/20/96LIGO - RGA Testing
C961353-00-O	·	LTACME-F0016	5/31/96 Submittal of Precast Beam Tube Enclosure Production and Delivery to Site Schedule
C961355-00-B		CBI-CT 2.2/0090	6/5/96 Response to Caltech TDM 96-004 Conditional Approval of Draft CDRLs 01 to 24-5 - LIGO C961189-00-B
C961356-00-B			6/20/96 Outline of Acceptance Test Procedure.
C961357-00-B		\(\(\alpha\) \(\begin{array}{cccccccccccccccccccccccccccccccccccc	5/14/96 DRD #9, CDRL #30-A - Coupon Outgassing Test Data.
C961358-00-V		V049-PL-129	3/25/96 Fabrication of HAM Vessel 1st Article.
C961359-00-V	<u> </u>	V/0.40 Et .:0:	5/2/96 Parson's Mechanical Drawing for Review.
	David Mc Williams	V049-PL-131	3/26/96 Input Data for Vibration Mold.
C961361-00-O			3/25/96 Drawings Schedule for Concrete Readiness.
C961362-00-O			4/25/96 LIGO Access Road Project Schedule.
	Karen Sandberg		4/30/96 TELOS Information Systems - Change Orders/Modifications to NSF-Approved Subcontracts.
	Karen Sandberg		4/30/96 Capital Industries Subcontract - Meyer Tool Subcontract.
	Karen Sandberg	DC191520	5/17/96 West Coast Porcelain, Inc Subcontract for Baffle Coating.
C961368-00-B		PC181520	5/30/96 Procurement Schedule
C961369-00-D			4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.
C961369-00-D			4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.
	David Shoemaker		4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.
C301303-00-D	Alex Abramovici		4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.

Document No Fu	ull Namo	ContractorDocNo	Doc Dt Full Title
C961369-00-D St		Contractor DociNo	4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.
C961369-00-D Pe			4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication. 4/29/96 Caltech Discreet Proposal Evaluation Report - Procurement for Nd3+ Laser Design and Fabrication.
C961370-00-B La			6/11/96 Additional Beam Tube Contract Expenditures.
C961371-00-B La	•	CBI-CT 2.2/0091	6/5/96 Signed TIM 013 and TIM 014.
C961371-00-B La		CBI-CT 2.2/0091	6/25/96 Invoice Milestone Payment - CBI
C961372-00-B La		WBC-3261	6/21/96 Invoice Milestone Payment - CBI
C961374-00-B Gi		WBC-3261 WBC-3262	6/24/96 Invoice Milestone Payment - CBI
-	. R. Orr	VVDC-3202	6/12/96 Consulting Rates.
C961376-00-P 5.			6/27/96 Request for NSF Approval for Proposed Contract for Facilities Construction, Hanford (IFB EJ-239, LIGO-C960736-00-O)
C961377-00-O Ka		RSI-008	6/21/96 Field Work Directive for Roger's Surveying
C961378-00-O Ka		LTC-F0024	6/24/96 Payment Request for Field Work Directive #RSI-F005 (Invoice #961544), Which Is Submitted by Rogers Surveying, Inc. for Spot Verifying the Top of Concrete Elevation Along the Northwest Arm Beam Tube Slab
C961379-00-O Ka		LTC-F0023	6/24/96 Payment Request for Field Work Directive #RSI-F0006 (Invoice #961582), Which Is Submitted by Rogers Surveying, Inc. For Verifying the Location of the Service Entrances Along the Southwest Arm
C961380-00-O Ka		L10-1 0023	6/18/96 Minutes of Meeting Between ACME and Parsons, 18 June 1996
C961381-00-O Ka		SW F003	6/13/96 Field Work Directive for Shannon & Wilson
C961382-00-O Ka	<u> </u>	ACME-F-013	6/17/96 Field Work Directive for ACME
	Villiam O. Miller	AOMET 013	6/26/96 Transmittal of Viewgraphs
C961383-00-O Ka		LTACME-F0020	6/17/96 Submitted Cost Proposal for Field Work Directive #ACME-F-0013, For Grinding to a Smooth Finish the Anchor Slabs Along the Southwest and the Northwest Arm
C961385-00-O G		RSI-007	6/17/96 Surveying Data Field Notes
C961386-00-B La		1101 007	6/26/96 Technical Information Memorandum (TIM) -016 - Response to RFI #20
C961387-00-D Mi	•	PP082649-75KR	7/22/96 Purchase Order No. PP082649-75KR with Foundry Service Supply for Marinite
C961388-00-O Cu		PP195911	4/3/96 Sales Order
C961389-00-B A.		PC181520	2/28/96 CBI Request for Information(RFI) No.16 - Fixed Support Bracket Modification
C961390-00-B La	′	CBI-CT 2.2/0100	6/24/96 Change Order Request (COR) 003 - Provide Priced Proposal for Provision of 208 Volt Power for Pump Port Interface
C961391-00-B Ma		PC181520	2/20/96 CBI Request for Information(RFI) No. 12 - Beam Tube Guided Support Configuration
C961392-00-O Jo		0.10.1020	6/18/96 Proposal Submittal for IFB EJ-239
C961393-00-D Br			4/2/96 Sketch for Proposed Method for Improving Stability of the Interferometer at NIST
C961394-00-O Fr	<u> </u>		6/28/96 Technical Direction Memorandum (TDM) 96-09
C961395-00-O Fr			6/28/96 Transmittal of TDM 96-09
		CBI-CT 2.2/0064	3/27/96 Invoice Milestone Payment #3
C961397-00-B La		CBI-CT 2.2/0104	6/26/96 Transmittal of Request for Information (RFI) #20
C961398-00-B Ma		2.3/0093	6/7/96 CBI Request for Information (RFI) 20 - Expansion Joint Cleaning and Leak Testing Sequence
-	•	CBI-CT 2.2/0103	6/26/96 Project Status Review Meeting Minutes for 19 June 1996 (CDRL 40e, DRD 19)
	om Starr	V049-PL-195	7/1/96 GNB Status
	ance Buboltz	CBI-CT 2.2/0102	6/28/96 Request for Proposal (RFP) #TL-240
C961402-00-O Tii	im Melott	960621-2	6/21/96 Final Design Package - Livingston Civil Construction Final Design Review Specifications, Volume I-A (CDRL 17, DRD 06)
C961403-00-I Ph	Phil Lindquist		7/2/96 Request for Approval, Modification Number 4 to Contract With the National Institute of Standards and Technology (NIST) P.O. PC184342
C961404-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Final Design Review Specifications, Volume I-B (CDRL 17, DRD 06)
C961405-00-O Tii		960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-1 (CDRL 17, DRD 06)
C961405-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-1
C961406-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-2
C961406-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-2
C961407-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-3 (CDRL 17, DRD 06)
C961407-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-3
C961408-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-4 (CDRL 17, DRD 06)
C961408-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-4
C961409-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-5 (CDRL 17, DRD 06)
C961409-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-5
C961410-00-O Tii	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Structural Calculations, Volume II-A-6 (CDRL 17, DRD 06)
C961410-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Structural Calculations, Volume III-A-6
C961411-00-O Tir	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Civil Calculations, Volume II-B (CDRL 17, DRD 06)
C961411-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Civil Calculations, Volume III-B
C961412-00-O Tir	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Mechanical Calculations, Volume II-C-1 (CDRL 17, DRD 06)
C961412-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Mechanical Calculations, Volume III-C-1
C961413-00-O Tir	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Mechanical Calculations, Volume II-C-2 (CDRL 17, DRD 06)
C961413-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Mechanical Calculations, Volume III-C-2
C961414-00-O Tir	im Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Mechanical Calculations, Volume II-C-3 (CDRL 17, DRD 06)
C961414-A-O Ra	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Mechanical Calculations, Volume III-C-3
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C961415-00-O	Tim Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Electrical Calculations, Volume II-D (CDRL 17, DRD 06)
C961415-A-O	Ralph M. Parsons Company	970115-0	1/15/97 Livingston Final Design Report (FDR), FINAL - Electrical Calculations, Volume III-D
C961416-00-O	Tim Melott	960621-2	6/21/96 Final Design Set Package - Livingston Civil Construction Final Design Review Drawings (CDRL 17, DRD 06)
	Tina Lowenthal		7/3/96 Amendment Number 1 to Request for Proposal (RFP) Number TL-240 for Beam Tube Enclosure Installation, Questions and Answers.
C961419-00-O	Lance Buboltz	PC181520	6/19/96 Draft Meeting Notes for Project Status Review of June 19,1996
C961420-00-V	Tom Starr	VO49-PL-191	6/26/96 48" Gate Valve Dimensions
C961421-00-B	Marty Tellalian	PC181520	6/7/96 Expansion Joint Cleaning and Leak Testing Sequence
C961422-00-V	Tom Starr	VO49-PL-191	6/26/96 GNB Shock Test Trip Report
C961423-00-V	Tom Starr	VO49-PL-190	6/26/96 GNB Meeting Minutes
C961424-00-V	Richard Bagley	CT048	7/1/96 Transmittal of Engineering Drawings
C961425-00-O	Jim Pardue	RFP-TL-240	6/24/96 Bid Questions
C961426-00-P	Mike Khan	1309867 - 1	6/24/96 Quotation - Micro Trends
C961427-00-V	Richard Bagley	VO49-TN-41	6/25/96 Telecon Notes of 6/20/96 with John Worden
C961428-00-B	Lance Buboltz	CBI-CT 2.2/0103	6/26/96 Project Status Review Meeting Minutes for 19 June 1996
C961429-00-B	Lance Buboltz	CBI-CT 2.2/0109	7/2/96 Value Engineer Proposal VEP-003 - Revised Design for Fixed Support Bases
C961430-00-B	Lance Buboltz	CBI-CT 2.2/0110	7/2/96 Nonconformance Report #1 (CDRL 42a, DRD 21)
C961431-00-O	Karl Drobny	LTC-F0029	7/1/96 Payment Request for Field Work Directive #ACME-F-011 From Acme Materials & Construction, to Provide Labor, Material and Equipment Necessary to Add Excavation for Installing the Duct Banks in the Cut Areas from the Mid and End Sta
C961432-00-O	Karl Drobny	LTC-F0025	7/1/96 Progress Payment #3 from Acme Materials & Construction for Period 26 May 1996 through 28 June 1996
C961433-00-O	Karl Drobny	LTC-F0026	7/1/96 Payment Request #2 for Change Order #2, from Acme Materials & Construction, To Provide Added Electrical Installations and Pipe Crossing
C961434-00-O	Karl Drobny	LTC-F0028	7/1/96 Payment Request for Field Work Directive #ACME-F-010 from Acme Materials & Construction to Provide Labor, Material and Equipment Necessary for Splicing the Cut Power Cable for the Well #2 Pump
C961435-00-O	Karl Drobny	LTC-F0030	7/1/96 Payment Request for Field Work Directive #ACME-F-012 from Acme Materials & Construction to Provide Labor, Material and Equipment to Install Pull Boxes and Conduits
C961436-00-O	•	LTC-F0027	7/1/96 Payment Request for Field Work Directive #ACME-F-009 from Acme Materials & Construction, to Provide Labor, Material and Equipment Necessary for Preparing the Temporary Office and Storage Area for CBI
	Jim Allen	RFI #34	6/26/96 Request for Information (RFI) #034
C961438-00-O	Jim Allen	PAR-L055	6/26/96 Certified Payrolls
	Larry Jones		7/9/96 Technical Information Memorandum (TIM) 17 - Response to RFI #10, #18
C961439-A-B	Larry Jones		7/19/96 Technical Information Memorandum (TIM) 017A - Response to RFI #10, #18: Gate Valve Weights, Dimensions; Soft Support Design
	Tina Lowenthal		7/10/96 Amendment #2 to RFP TL-240 for Beam Tube Enclosure Installation - Questions and Answers and Extension to Deadline
	John J. Desmond		7/3/96 Architectural Review for Livingston
	John J. Desmond	453 (inv. #)	7/3/96 Invoice for Architectural Consultation
C961443-00-O		960703-1	7/3/96 Earthwork Quantity Spreadsheet Comparison
C961446-00-O	<u> </u>	000700 1	12/8/95Hanford Beam Tube Enclosure Pre-Bid Questions
	Prof. Katherine Creath		5/16/96 TOPO File Conversion.
	Garilynn Billingsley		5/16/96 TOPO File Conversion.
C961449-00-D	, , ,	PP184187-75SE	7/8/96 Test Report for Foam Pack
	Tom Starr	VO49-PL-197	7/3/96 GNB Status/Plans
C961451-00-B		101012101	7/4/96LIGO Bakeout Contract
C961452-00-O		PP150969	7/3/96 Project Status Report (CDRL 05, DRD 02)
C961453-00-B	*	PC181520	7/8/96 Project Status Review Meeting Agenda - July 15-16, 1996
C961454-00-P		1 0101320	6/27/96 Quotation - Nor-Cal Products
	S. Smart		6/27/96 Economic Development Zone Report
	Otto Matherny		6/27/96 Levernier Construction Inc. Reference Verifications and Comments
	Richard Bagley	VO49-TN-42	6/27/96 Telecon of 6/27/96 with John Worden
	Western Scientific	v 045-111-42	6/25/96 Quotation - Fileserver
C961460-00-O	•	CDI CT 2 2/0402	6/28/96 Field Weekly Construction Report for Weekending 6/26/96
	Lance Buboltz	CBI-CT-2.2/0102	6/27/96 Request for Proposal (RFP) No. TL-240
C961462-00-O	•	EL 0. 00070. A	6/27/96 Weekly Construction Activity Report: Hanford Site
	Richard Matthews	ELS-22973-A	6/27/96 Sales Quotation - Sun
	Richard Matthews	ELS-22973-B	6/27/96 Sales Quotation - Sun
C961465-00-O			6/16/96 Fixed-Price Contract with Levernier (P.O. PC196741) for the Facilities Construction at Hanford
	Ralph M. Parsons Company		2/28/97 Change Order 1 for P.O. PC196741 with Levernier Construction, Inc - Miscellaneous Revisions to Drawings/Specifications and Schedule Extension Due to Inclement Weather
C961465-01-O			2/28/97 Change Order 1 for P.O. PC196741 with Levernier Construction, Inc - Miscellaneous Revisions to Drawings/Specifications and Schedule Extension Due to Inclement Weather
	Ralph M. Parsons Company		3/24/97 Miscellaneous Revisions to Contract PC196741
C961466-00-O	•	LTC-F0031	7/9/96 Partial Payment Request for Change Order #3 from Acme Materials & Construction, To Provide Labor, Material and Equipment Necessary to Modify the Single Type "C" Beam Tube Enclosure Form and to Produce Additional Modules of Var
C961467-00-O			6/28/96 Debriefing for Siebe Regarding Facility Monitoring and Control System (FMCS) Component for IFB EJ-239 - Hanford
C961468-00-B	CBI	CBI-CT-2.2/0105	6/28/96 Coupon Outgassing Test Data (DRD#9, CDRL#30-B)
C961469-00-O	C. Henry		6/28/96 Minutes of Construction Progress Meeting - June 25, 1996
C961470-00-O	Karl Drobny		5/16/96 Weekly Construction Activity Report: Hanford Site
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Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C961471-00-F	William Joubert		7/3/96
C961472-00-V	Tom Starr	VO49-PL-197	7/3/96 GNB Status/Plans
C961473-00-O	Karl Drobny		7/3/96 Weekly Construction Activity Report: Hanford Site
C961474-00-D	Alan Rohay		7/3/96 Low-Frequency Differential Motion Analysis
C961475-00-O	•		7/2/96 Livingston Fill Material Quantities
C961476-00-D	•		7/9/96 Final Draft for Proposed Contract Modifications for PO PC185630
C961477-00-O			6/12/96 Checks/Monies for Requests for IFB EJ-239, Facilities Construction for Hanford
C961478-00-O	· · ·		7/2/96 Richland Airport Office and Warehouse Layout
C961479-00-O		8008083301	7/1/96 Invoice for Electrical Services at Hanford from Dixie Electric
C961480-00-V	Tom Starr	VO49-PL-196	7/1/96 Telecon Minutes Between GNB and PSI
C961481-00-O			7/1/96 Meeting Minutes
C961482-00-V	•		6/28/96 Trip Report, Main Turbo Acceptance Tests
C961483-00-O	Mel Weingart	PP150969	7/2/96 Responses to Bidder Questions
C961484-00-O	·	AR-960711-0	7/12/96 Record of Telephone Conversation (ROTC) with John Desmond (John Desmond & Associates) re LIGO LA Architectural Review
C961485-00-O		960712-0	7/12/96Transmittal of RTC #AR-960711-0 re LIGO LA Architectural Review
C961485-02-P	·		1/9/97 Change Order #2 for P.O. PC188099 with Butler Services Group
C961486-00-B			7/12/96 Transmittal of Pump Cart Drawings
C961487-00-P	,		6/12/96 Comments on the Committee for the April 9-11, 1996 NSF Review of LIGO.
C961488-00-B	Marty Tellalian		6/28/96 Design Document Revisions, Support and Vacuum Stiffener Details (CDRL 24-8, DRD 03)
C961488-02-B	•		9/13/96 Support and Vacuum Stiffener Details (CDRL 24-8, Revision 2)
C961489-00-B	•		6/28/96 Design Document Revisions, Alternative Guided Support (CDRL 24-4, DRD 03)
C961489-02-B	•		9/13/96 Alternative Guided Support - (CDRL 24-4, Revision 3)
C961490-00-B	•		6/28/96 Design Document Revisions, Alternative Fixed Support (CDRL 24-3, DRD 03)
C961490-03-B	•		9/13/96 Alternative Fixed Support (CDRL 24-3, Revision 3)
C961491-00-B	•		6/28/96 Design Document Revisions, Termination Support (CDRL 10, DRD 03)
C961491-03-B	•		9/13/96 Termination Support (CDRL 10, Revision 3)
C961492-00-B	•	CBI-CT 2.2/0106	6/28/96Submittal of CDRLS 10, 24-3, 24-4, 24-8
	Warren A. Carpenter	CBI-CT 2.2/0105	6/28/96 Coupon Outgassing Test Data - Heat 11J240A, Material Code B (Beam Tube Material) (CDRL #30-B, DRD 9)
C961498-00-B	•	CBI-CT 2.2/0113	7/10/96 Change Order Request (COR) 004 - Proposal for Provision of Deionized Water per Requirements of TIM-015
C961499-00-B		6565	6/30/96 Certificate of Insurance for CBI Services, Inc.
	Richard Matthews	ELS23680-A	7/8/96 Sales Quotation - Sun
C961501-00-P			7/8/96 Bid Responses - Dynasil Corp.
C961502-00-O	S. Smart		7/8/96 Economic Development Zone Report
C961503-00-P	Fred Asiri		7/16/96 Request for Payment of Invoice to John J. Desmond & Associates
C961504-00-O	C. Henry		7/8/96 Berm Fill Material Handling Data - Livingston Rough Grading
C961505-00-V	Klaus Kleinschmidt	VO49-PL-200	7/3/96 Gate Valve Vibration Tests at GNB-24Jun96
C961506-00-O	C. Henry		7/5/96 Field Weekly Construction Report for Weekending 7/3/96
C961507-00-V	Tom Starr	VO49-PL-198	7/8/96 GNB Status
C961508-00-O	C. Henry		7/5/96 Minutes of Construction Progress Meeting on 7-3-96
	Bernard M. Levernier		7/9/96 Pre-Bid Questions for RFP No. TL-240
C961510-00-O	Paul G. Levernier		7/9/96 Pre-Bid Questions for RFP No. TL-240
C961511-00-B			7/9/96 Provision of Pump Cart Power
C961512-00-P	Robert L. Hubbard	RH709CALT	7/9/96 Quotation from Western Scientific for 8mm Tape Autoloader Backup System with Server Software
	Richard Matthews	ELS23861-A	7/9/96 Sales Quotation - Sun
	Joel C. McCormick		7/8/96 Bid for LIGO Buildings and Infrastructure Construction
	Richard Matthews	ELS22973-B	7/9/96 Sales Quotation - Sun
C961516-00-O	Dedra Fourmaux		7/9/96 Rough Draft for LIGO Brochure for LIGO Briefing Conference
C961517-00-O	Karl Drobny		7/10/96 Acme Progress, Change Order, and Field Work Directive Progress and Invoice Status Overview
C961518-00-O	Mel Weingart		7/10/96 Beam Tube Enclosure Installation Bidder Questions
C961519-00-D	Prof. Katherine Creath		7/16/96 Meeting Minutes from 12 July 1996
C961520-00-D	Prof. Katherine Creath		7/16/96 Notes re CSIRO and HDOS
C961521-00-O			7/11/96 Rough Grading Fill Material Quantities
C961522-00-V	Andy Lampenfeld	VO49-PL-204	7/11/96 GNB Valve Modifications
C961523-00-O	C. Henry	PC184279	7/3/96 Change Order #6 and #7
C961524-00-O			7/5/96 Field Weekly Construction Report for Weekending 7/3/96
C961525-00-O	•		7/3/96 Letter Regarding Unsuitable Material at LIGO, Livingston
C961526-00-O	•		7/7/96 Rough Grading Schedule
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		Full Name ContractorDocNo Doc Dt Full Title	o Full	Document No
		John James Blasius 7/11/96 Earthwork Quantity Comparison - Livingston	O Johr	C961527-00-O
		Narl Drobny 7/11/96 Weekly Construction Activity Report: Hanford Site	O Karl	C961528-00-O
Control Cont		Warren A. Carpenter 7/11/96 Coupon Chamber Surface Area - LIGO Beam Tube Modules	B War	C961529-00-B
Center Control Registery Control Registe		Michael Johnson 7/12/96 LIGO Pre-Construction Meeting	O Mich	C961530-00-O
Self-Standon C. Ferry		Dedra Fourmaux 7/12/96 Final Draft of the LIGO Brochure	O Ded	C961531-00-O
Self-Sta-OP C. Ferry From Memory Control Memory		Richard Bagley VO49-PL-208 7/12/96 Agenda for LIGO Vacuum Equipment Monthly Status Meeting	V Rich	C961532-00-V
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C89159-00-0			V Rich	C961535-00-V
C89159-00-0		A USA Flex. Inc. Inv.#14973721 7/12/96Invoice - USA Flex. Inc.	A USA	C961536-00-A
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C80159-00-00 Carl Doutry				
DRS1614-DD Garlynn Billingsey	Submitted by Rogers Surveying, Inc. for Verifying the Top of Concrete Elevation for the Beam Tube Slab Along the Southwest Arm	, , ,		-
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Control Cont				
268154-30-00 Carlyon Billingsley 7.1898fExtension of RFCI TL-243 Response Period C861644-00 Fire Ponsist HYTEC-TN-LIGO-04 MYTEC-TN-LIGO-04 10:3190 beging of Vacuum Compatible Damped Metal Springs for Passive Vibration Isolation of the LIGO Detectors C861646-00 C. Renry 17:098 Fire Proposal or RFP PTL-240 C861646-00 C. Renry 7.7998 Fire Proposal or RFP PTL-240 Response Ptl-240 R		, , ,		
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Part	Vibration Isolation of the LIGO Detectors			-
CR6154-00-0 Paul C. Lewroler 7/1806/proposal for RPP-TL-240 7/1906/Stance Requisit for Survey by ABMB CR61540-00-0 C. Henry 7/1906/Stance Requisit for Survey by ABMB CR61540-00-0 C. Henry 7/1906/Stance Requisit for Survey by ABMB CR61540-00-0 C. Henry 7/1906/Stance Requisit for Survey by ABMB CR61540-00-0 C. Henry 7/1906/Stance Requisit for Survey by ABMB CR61540-00-0 C. Henry 7/1906/Ministed Contentation Proprises Meeting on 7/306-0-1 Uniformation Proposal for RPP TL-240, Institution of Beam Tube Enclosures at Handrof Site CR61540-00-0 C. Henry 7/1906/Centation Proposal for RPP TL-240, Institution of Beam Tube Enclosures at Handrof Site CR61540-00-0 CR61				-
C881548-00-0 C. Henry 7/2098 (Institution Material at Ligo Project (Set1547-00-0) C. Henry 7/5096 Stratums (Designet for Survey by ABIN 7/5096 Stratums (Designet Survey by ABIN 7/5096 Stratums (Designet Designet Designet Designet Designet Designe	ABILITION ISSUITION OF THE LIGHT BOLDON OF THE			
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2681549-00-0 Ed Janson		,		-
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C981550-00-0	on of Ream Tube Enclosures at Hanford Site	,		
C961551-00-B Larry Jones				-
C881552-00-B	· · · · · · · · · · · · · · · · · · ·			
C96155-00-B				
C361555-00-E Irena Petrac 17/22/96Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks	<u>us</u>	, , , , , , , , , , , , , , , , , , ,		-
C961556-00-E Irena Petrac 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation (RFQ) TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation RFQ TL-243 for Fused Silica Mirror Blanks 7/22/96 Addendum #1 to Request for Quotation RFQ TL-243 for Fused Silica Mirror Blanks 7/22/96 Turbor (Project Geotechnical Consultants, Invoice for Period 29 July, 1996 Through 24 August, 1996 - Hanford 7/22/96 Turbor Project Geotechnical Consultants, Invoice for Period 29 July, 1996 Through 24 August, 1996 - Hanford 7/22/96 (Quality Control Requested Consultants, Invoice for Period 29 July, 1996 Through 24 August, 1996 - Hanford 7/22/96 (Quality Control Requested Consultants, Invoice for Period 29 July, 1996 Through 24 August, 1996 - Hanford 7/22/96 (Quality Control Requested Consultants, Invoice for Period 29 July, 1996 Through 24 August, 1996 - Hanford 7/22/96 (August) Project State Review Data Post Project State Review Data Post Post Project State Review Data Post Post Post Post Post Post Post Post	lica Mirray Planka	, and the second		-
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C961558-00-O Karl Drobny				
C961559-00-O Karl Drobny LTLVR-F009 9/16/96 Substitutions Request Conclusion Date C961560-00-O Karl Drobny LTLVR-F010 9/16/96 Quality Control Representative Replacement for Levernier Construction C961561-00-O Karl Drobny LEV-F003-1 9/16/96 Guality Control Representative Replacement for Levernier Construction Inc. C961561-00-P Carolyn J. Barela 7/29/96 LICO Hours - April to July 96 C961562-01-B Marty Tellalian CBI-CT 2.2/0117 7/17/96 Design Document Revisions Sprial Weld Quality for LIGO Beam Tube Modules (CDRL 15, Revision 01, DRD 03) C961563-00-B Marty Tellalian CBI-CT 2.2/0129 7/39/96 Echnical Direction Memorandum (TDM) 96-006 C961564-00-B Largy Jones 7/29/96 Technical Direction Memorandum (TDM) 96-006 C961565-00-B Lance Buboltz CBI-CT 2.2/0117 7/18/96 Submittal of Revised CDRL's 01, 04, 06, 09, 15, 24-6 C961566-00-B Lance Buboltz CBI-CT 2.2/0118 7/18/96 Transmittal of Signed TIM-017 C961568-00-B Lance Buboltz CBI-CT 2.2/0120 7/16/96 Explain (TDM) 96-00 C961571-00-B Lance Buboltz CBI-CT 2.2/0119 7/16/96 Project Status Review Data Package - CDRL #25g C961571-00-B La		· · · · · · · · · · · · · · · · · · ·		
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C961566-00-B Lance Buboltz CBU-CT 2.2/0118 7/18/96 Transmittal of Signed TIM-017 C961568-00-B Lance Buboltz CBI-CT-2.2/0120 7/15/96 Submittal of Purchase Orders #162449, #162604, #162605, #162611, and #162632 C961569-00-B Lance Buboltz CBI-CT-2.2/0119 7/16/96 Project Status Review Data Package - CDRL #25g C961571-00-B Larry Jones 7/23/96 Response to CDRLs 10, 12, 24-3, 24-4, 24-8 through TDM and Approval of CDRLs 15 and 24-6 C961572-00-O Fred Asiri 7/24/96 Addendum Three Contract Addition C961573-00-O Tim Melott 960723-0 7/23/96 Questions from Bid Addendum Number 3 and Revised Index to be added to the Contract with Levernier Construction Inc. C961574-00-O Mel Weingart 960703-0 7/3/96 Design Configuration Control Document (DCCD), FINAL Issue, Revision 6 (CDRL 08, DRD 03)		·		
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C961569-00-B Lance Buboltz CBI-CT-2.2/0119 7/16/96 Project Status Review Data Package - CDRL #25g C961571-00-B Larry Jones 7/23/96 Response to CDRLs 10, 12, 24-3, 24-4, 24-8 through TDM and Approval of CDRLs 15 and 24-6 C961572-00-O Fred Asiri 7/24/96 Addendum Three Contract Addition C961573-00-O Tim Melott 960723-0 7/23/96 Questions from Bid Addendum Number 3 and Revised Index to be added to the Contract with Levernier Construction Inc. C961574-00-O Mel Weingart 960703-0 7/3/96 Design Configuration Control Document (DCCD), FINAL Issue, Revision 6 (CDRL 08, DRD 03)	2005 400044 400000	· · · · · · · · · · · · · · · · · · ·		-
C961571-00-B Larry Jones 7/23/96 Response to CDRLs 10, 12, 24-3, 24-4, 24-8 through TDM and Approval of CDRLs 15 and 24-6 C961572-00-O Fred Asiri 7/24/96 Addendum Three Contract Addition C961573-00-O Tim Melott 960723-0 7/23/96 Questions from Bid Addendum Number 3 and Revised Index to be added to the Contract with Levernier Construction Inc. C961574-00-O Mel Weingart 960703-0 7/3/96 Design Configuration Control Document (DCCD), FINAL Issue, Revision 6 (CDRL 08, DRD 03)	ous, #162611, and #162632			
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C961574-00-O Mel Weingart 960703-0 7/3/96 Design Configuration Control Document (DCCD), FINAL Issue, Revision 6 (CDRL 08, DRD 03)				-
C061575 00 O I Tim Molett I060723 1 7/22/06I injugated Civil Construction Final Decise Panert (EDD) Values III Cost Estimate DDAET (CDDI 17, DDD 06)				
	II, Cost Estimate, DRAFT (CDRL 17, DRD 06)			-
C961576-00-O Tim Melott 960723-1 7/23/96 Hanford Civil Construction Issued for Construction Drawings		· · · · · · · · · · · · · · · · · · ·		
C961577-00-O Tim Melott 960723-1 7/23/96 Hanford Final Design Report (FDR), Sealed Bid Estimate FINAL (CDRL 16, DRD 06)	· · · · · · · · · · · · · · · · · · ·			
C961578-00-O Tim Melott 960723-1 7/23/96 Transmittal of Livingston Civil Construction FDR Estimate, and Hanford Civil Construction Drawings and Sealed Bid Estimate	ford Civil Construction Drawings and Sealed Bid Estimate	· · · · · · · · · · · · · · · · · · ·		-
C961579-00-O Ed Jasnow 6/10/96 Addendum No.3 to IFB EJ-239 (LIGO-C961165-00-O)		· · · · · · · · · · · · · · · · · · ·		-
C961580-00-O Ed Jasnow 5/29/96 Transmittal Letter for Addendum No.2 to IFB EJ-239 (LIGO-C961165-00-O))5-00-O)	· ·		-
C961581-00-B Larry Jones 7/24/96 Needs for Information from CBI		, and the second		-
C961582-00-O Pamela J. Hernandez 5/17/96 Request for Full Size Drawings of IFB EJ-239		D Pamela J. Hernandez 5/17/96 Request for Full Size Drawings of IFB EJ-239	O Pam	C961582-00-O
C961583-00-O Timothy Lewis 5/15/96 Request for Full Size Drawings of IFB EJ239		Timothy Lewis 5/15/96 Request for Full Size Drawings of IFB EJ239	O Time	C961583-00-O
C961584-00-V Richard Bagley 7/11/96 Status Report (CDRL 09-8)		/ Richard Bagley 7/11/96 Status Report (CDRL 09-8)	V Rich	C961584-00-V

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C961585-00-P		0005724 (inv. #)	7/14/96 Invoice from Australian National University
C961586-00-P			8/6/96 Labor Category Descriptions
C961587-00-B	Lance Buboltz	CBI-CT 2.2/0115	7/2/96 Nonconformance Reports NCR 002, NCR 003, NCR 004 (CDRL 42b, DRD 21)
C961588-00-D	Lisa Kahler		7/25/96 Date Extension on LIGO Project
C961589-00-D	Marc Schneider	9607054 (Quote #)	7/24/96 Quotation in Response to RFQ TL-243 for Fused Silica Optical Blanks
C961589-00-V	John Worden	PC175730	8/1/96 Technical Information Memorandum (TIM) No. 36
C961590-00-B	Lance Buboltz	CBI-CT 2.2/0122	7/22/96 Project Status Review (PSR) Meeting Minutes for 15-16 July 1996
C961590-00-V	John Worden		8/5/96 Technical Information Memorandum (TIM) 37 - List of "Focal Receiver" Points
C961591-00-O	Fred Asiri		7/25/96 Transmittal of Hanford Construction Set Drawings for Information Purposes
C961591-00-V	John Worden		8/5/96 Technical Direction Memorandum (TDM) 11 - Transmittal of Civil Construction Drawings for Information
C961592-00-O	Fred Asiri		7/25/96 Transmittal of Hanford Facility Construction Set Drawings for Information Purposes
C961592-00-V	John Worden		8/6/97 Technical Information Memorandum (TIM) 38 - Confirmation of Conduit Stub-Up Locations
C961593-00-O		641315 (inv. #)	7/8/96 Invoice from PSI for Livingston Site
C961593-00-V	John Worden		8/6/96 Technical Information Memorandum (TIM) 39
C961594-00-O	Karl Drobny	LTC-F0033	7/15/96 Payment Request for Field Work Directive #SW-F003, Which is Submitted by Shannon & Wilson for Analysis of the Water for Well #2
C961594-00-V	John Worden		8/9/96 Technical Information Memorandum (TIM) 40
C961595-00-O	-	LTC-F0032	7/15/96 Invoice #4 Submitted by Shannon & Wilson, Project Geotechnical Consultants for Period 26 May 1996 through 29 June 1996
C961595-00-V	John Worden		9/24/96 Technical Direction Memorandum (TDM) 12
C961596-00-B		CBI-CT 2.2/0121	7/22/96 Documentation Needs for the Fabrication Readiness Review (FRR)
C961596-00-V			10/1/96 Technical Information Memorandum (TIM) 41 - Transmittal of Technical Notes Outlining Orientation of LIGO Beam Center Lines
C961597-00-V	John Worden		10/1/96 Contract Changes with PSI
C961598-00-V			2/6/96 Vacuum Load Static Analysis
C961600-00-O			7/31/96 Request for Approval, Proposed Contract with Levernier for Installation of the Beam Tube Enclosures at Hanford, WA.
	Dr. Richard P. Seligman		7/31/96 Request for Approval, Proposed Contract with Levernier for Installation of the Beam Tube Enclosures at Hanford, WA.
C961601-00-B			7/31/96 Use of Beam Tube Sections Fabricated Prior to Fabrication Readiness Review.
C961602-00-D		S65040.20	7/24/96 Income and Expenditure Statement for Period of 1 July1995 through 31 October 1995 from Australian National University
C961603-00-P	Thomas Kane		7/26/96 Monthly Status Report #1 - 30 May 1996 through 30 June 1996
C961604-00-O			8/12/96 Firm-Fixed-Price Contract Between Caltech and Levernier Construction Inc. for Installation of Beam Tube Enclosure - Hanford
C961604-A-O			9/16/96 Contract Between Caltech and Levernier Construction Inc. for Installation of Beam Tube Enclosure at Hanford (P.O. PC207415)
C961605-00-O			7/24/96 IFB EJ-246 for the Building and Infrastructure at the Livingston Site
C961606-00-B		CBI-CT 2.2/0123	7/23/96 Transmittal of Signed Copies of TIM-017A, TIM-018, and TDM 96-005
	Garilynn Billingsley		8/2/96 Absorption of 7980
C961608-00-B	*		8/2/96 Technical Direction Memorandum (TDM) 96-007 - Approvals and Conditional Approvals for Submitted CDRLs
C961610-00-O		ODI OT 0 0/0407	7/24/96 IFB EJ-250 for the Concrete Slab and Precast Enclosures at the Livingston Site
C961611-00-B		CBI-CT 2.2/0127	7/26/96 Transmittal of Signed TDM 96-006
C961612-00-B	. ,	D0404500	8/5/96 Technical Information Memorandum (TIM) 019 - Response to RFI #21: Coil Material Bake Temperature Range
C961613-00-B		PC181520	7/19/96 Project Status Review Meeting Minutes and Action Items List - July 15-16, 1996
C961614-00-O	,	\(\O_4\O_T\) 44	7/18/96 Concrete Test Report
C961615-00-V		VO49-TN-44	7/18/96 Telecon of Tom Starr with Larry Jones
C961616-00-V		VO49-PL-215	7/17/96 Edwards Performance Test/Pre-Ship Review
C961617-00-O	· ·	V049-PL-229	7/18/96 Weekly Construction Activity Report: Hanford Site
C961618-00-V C961619-00-V		V049-PL-229 CT049	7/25/96 Draft FMEA - LIGO Vacuum Equipment 7/18/96 Transmittal of PSI Drawings
C961620-00-B		01043	8/5/96 Technical Information Memorandum (TIM) 020 - Response to RFI #11: Pump Port Hardware Interface Requirements
C961620-00-B	·		8/5/96 Response to CDRL Submittals and RFI
	Garilynn Billingsley		8/5/96 Request for Quote (RFQ) for Generation of a Beam Splitter Blank and Test Samples from Mark Optics
	Dedra Fourmaux		7/16/96 Mailing Labels for Industry Briefing Conference
	Karen Sandberg		7/16/96 NSF Approval Letter for the Subcontract to Levernier Construction, Inc Hanford, WA Civil Construction
	Yolande Middleton		7/15/96 Revisions to the General Provisions
C961626-00-P			7/15/96 Date Extension on LIGO Project
C961627-00-O			7/15/96 Livingston Rough Grading Berm Fill Settlement Monitoring
	David Mc Williams	VO49-PL-199	7/15/96 Miscellaneous Issues
C961629-00-P		701012100	7/16/96 Quotations for Copier Machines
C961630-00-B	·		8/6/96 Approval for CDRLS 01, 01, 04 & 06
C961631-00-O	•		7/13/96 Job History (Recent) - Rough Grading
C961632-00-V		VO49-PL-201	7/15/96 Technical Direction Memorandum No.10 (TDM#10)
C961633-00-P		10101201	7/15/96 Services of Ed Chargois
2007000 00 1	2 3 1100 1 3 11011		.,

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C961634-00-V	Tom Starr	VO49-PL-214	7/15/96 GNB Schedule Update
C961635-00-B	Lance Buboltz	CBI-CT 2.2/0125	7/30/96 Change Order Request (COR) 005 - Revised Scope of GPS Beam Tube Alignment, for Approval
C961636-00-B	Marty Tellalian	CBI-CT 2.2/0128	7/30/96CBI Request for Information (RFI) #21: Coil Material Bake Temperature Range
C961637-00-P	Otto Matherny		8/3/96MCE Invoices (Inv. #'s 070196, 0431, 0473, 0519, 0561) for Hanford Administrative Support
C961639-00-O	•	LTLVR-F002	7/24/96 Construction Completion Date for the Norhtwest Arm Mid Station Foundation Slab - Hanford
C961639-01-O	· · · · · · · · · · · · · · · · · · ·	LTLVR-F002, Rev.1	7/24/96 Construction Completion Date for the Northwest Arm Mid Station Foundation Slab - Hanford
C961640-00-P		,	7/23/96Bids for Copier at Hanford Site
C961642-00-O	· · · · · · · · · · · · · · · · · · ·		7/23/96SMK Construction Company - Response to Legal Issues Pertaining to IFB EJ-239
C961643-00-B		CBI-CT 2.3/0067	7/30/96CBI's Responses to VE Deliverable Questions
C961644-00-O		02. 0. 2.0,000.	7/15/96Bid Questions
C961645-00-O			8/27/96 Statement of Work and Drawings
C961646-00-O			8/27/96 Statement of Work and Drawings
	Garilynn Billingsley		8/6/96 Absorption of 7980
C961649-00-V		VO49-PL-225	7/24/96LIGO Vacuum Equipment Vibration/Noise/Shock Final Report
C961650-00-V		VO49-TN-48	8/6/96 Telecon with John Worden on 8/5/96
C961651-00-E		541-96452	8/6/96 Quotation from Wyle Laboratories for Testing Services
C961653-00-V	·	VO49-VMM-3.1.5-#2	7/22/96 Vendor Meeting Minutes
C961654-00-O	Talonara Dagicy	ν Οπο · ν ΙνΙΙνΙ-ο. Ι.σ-π2	7/12/36 Veridor Meeting Minutes 7/19/96 Minutes of Construction Progress Meeting - Livingston
C961655-00-O	Ray Holder		7/18/96 Field Weekly Construction Report for Weekending 7/17/96
C961656-00-V	•	VO49-PL-216	7/19/96 Varian Valves - Viton Baking
C961657-00-P		v U43-F'L-Z10	7/19/96 Low Bid Quotations for Copier Machine
	Andy Lampenfeld	VO49-PL-228	7/19/96 CNB Shock Test
C961659-00-V		VO49-PL-218	7/22/96 LIGO Vacuum Equipment Monthly Status Meeting - July 17, 1996
C961660-00-O			7/25/96List of Newspapers for Contract Ad 7/24/96
C961661-00-E	Jili Berry		7/24/90 7/23/96 Quotation - Lighthouse Technology
C961662-00-P	D. I. Dudek		· · · ·
C961663-00-O	•		8/2/96 Review of Engineering Support for Electrical Tie-In
C961664-00-O			7/24/96 Beam Tube Enclosure and Installation Contract for Louisiana
C961665-00-P			7/23/96List of Completion Dates for the Milestones Contained in the Phase 1 Contract
C961666-00-F			7/22/96 Price Costs for Newspaper Ads
C961667-00-O		\(\O_40_\text{Pl}\) 040	7/22/96 Weekly Report for Weekending July 19, 1996
C961669-00-V		VO49-PL-218	7/22/96LIGO/PSI Monthly Meeting
C961670-00-V	<u> </u>	VO49-PL-218	7/22/96 Beam Tube Deliverables - LIGO Acceptance Procedure
C961672-00-E			11/27/95 Proposal to the LIGO Visitors Program
C961673-00-O	•	LTACME-F0026	7/31/96 Beam Tube Enclosure Survey for Dimensional Verification - Hanford
C961674-00-O	* *		7/30/96 Beam Tube Enclosure Verification - Hanford
C961675-00-O			8/12/96 Transmittal of Invitation For Bid (IFB) EJ-250 for Concrete Slab and Precast Enclosures Contract at Livingston
C961676-00-O			8/12/96 Transmittal of Invitation For Bid (IFB) EJ-246 for the Buildings and Infrastructure Contract at Livingston
C961677-00-E			8/9/96 Purchase Requisition P.O. PC208421 - Fused Silica Mirror Blanks.
C961677-01-E			9/12/96 Change Order #1 for P.O. PC208421 with Heraeus Amersil, Inc Two additional Fused Silica Mirror Blanks
C961677-02-E			5/19/97 Change Order #2 to P.O. PC208421 with Heraeus Amersil, Inc
C961678-00-B	*		8/13/96 Response to CDRL Submittals
C961679-00-B	•		8/15/96 TDM 96-008 - Conditional Approval of CDRLs #13, 19, and 24-9
C961679-A-B			9/6/96 Technical Direction Memorandum (TDM) 96-008A
C961680-00-E			8/16/96 P.O. PC208422 with University of Wisconsin for Collaberative Research Carried out by Bruce Allen
C961680-01-E		V0.40 P/ 000	8/21/96 Change Order #1 for P.O. PC208422 with University of Wisconsin-Milwaukee - Change in Account Number for Charges
C961681-00-V		V049-PL-239	8/9/96 GNB Valves - Installation Information
C961682-00-O		8008083301	8/7/96 Invoice From DEMCO For Power Supply At Livingston
C961683-00-O		960802-0	8/2/96 Transmittal of Livingston Bid Package
·	Andy Lampenfeld	VO49-PL-217	7/22/96 GNB Questions and Responses
C961685-00-O	•	RFI #038	7/8/96 Request For Information (RFI) #038 - Wiring at the Well Location
C961685-00-O		RFI #038	7/8/96 Request For Information (RFI) #038 - Wiring at the Well Location
C961686-00-O		960809-0	8/9/96 Example of a 3D Model Translated into AutoCAD
C961687-00-O		00000	8/13/96 Transmittal of Executed Contract No. PC196741 (LIGO-C961465-00-O), Civil Construction - Facilities at Hanford, Washington.
C961688-00-O		9653335	8/2/96 Review of Engineering Support for Electrical Tie-In
C961689-00-O			8/2/96 Final Survey Report for Work Order #RSI-008 for As-Built Elevations
C961690-00-O	J. E. Curtis		7/18/96 Westinghouse Hanford Company (WHC) Engineering Support Charges

Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C961691-00-O	Karl Drobny	LTC-F0040	8/8/96 Invoice #5 Submitted by Shannon & Wilson, INc., Project Geotechnical Consultants for Period July 8-27, 1996
C961692-00-O	Gary Wagner	RSI-008	8/2/96 Beam Tube Support Elevations, Northwest & Southwest Arms - RSI-008
C961693-00-O	Tim Melott		7/25/96 Weekly Report
C961694-00-P	Randy VanBrocklin		7/26/96 Corning Quotation A8/96 in Response to RFQ TL-243 (LIGO-C961207-E)
C961695-00-O	R. J. Puigh	9652024	8/8/96 Status of Hanford Contractor Activities in Support of the LIGO through 17 June 1996
C961696-00-B	Curt Crist		7/23/96 Baffles - Job #27826
C961697-00-O	Michael Johnson		7/23/96 Request for Information No. 03 (RFI #03)
C961698-00-O	Michael Johnson		7/23/96 Request for Information No.04 (RFI # 04)
C961699-00-O	Michael Johnson		7/23/96 Request for Information No. 05 (RFI #05)
C961700-00-O	Michael Johnson		7/31/96 Request for Information No. 006 (RFI #006)
C961701-00-O	Ray Holder		8/8/96 Minutes of Stranco Meeting No. 1, 5 August 1996
C961702-00-O	Andy Lampenfeld	VO49-PL-230	7/29/96 GNB Shock Test
C961703-00-V	Richard Bagley	CT053	8/7/96 Transmittal of Specifications
C961704-00-V	Richard Bagley	CT054	8/12/96 Transmittal Letter for Specification for Cleaning Procedure for LIGO Vacuum Equipment(LIGO-E960046-00-V)
C961706-00-V	Tom Starr	VO49-TN-45	7/29/96 Telecon of 7/25/96 with John Worden
C961707-00-P	Lori Saal		7/29/96 Quotation - Arbortext Inc.
C961708-00-E	Irena Petrac		8/14/96 Advance copy of P.O. PC207573 for Fused Silica
C961709-00-F	Dedra Fourmaux		7/29/96 Registration for Industry Briefing Conference on LIGO Project - Livingston
C961710-00-B	Larry Jones		8/14/96 Proposed Agenda for LIGO/CBI Meeting on 20 August 1996
C961711-00-P	Irena Petrac		8/14/96 Response to Invoice Discrepancy with Australian National University
C961712-00-D	Richard Wallace		7/1/96 Lightwave's Non-Disclosure Agreement
C961713-00-D	Irena Petrac		7/11/96 Lightwave Non-Disclosure Agreement for Review
C961714-00-E	Irena Petrac		8/14/96 Subcontract for Bruce Allen
C961715-00-B	Marty Tellalian	CBI-CT 2.2/0135	8/13/96 Submittal of CDRLs #16, Revision 1, #24-2, Revision 1, and #24-11, DRD #03
C961716-00-O	Ed Jasnow		8/15/96 Account Allocation for Purchase Order No. PP150969, Parsons T & I.
C961717-00-P	Steve Small	Quot# 3982	7/29/96 Quotation - Tritek Solutions, Inc.
C961718-00-P	Steve Small	Quot# 3981	7/29/96 Quotation - Tritek Solutions, Inc.
C961719-00-D	Ju Li		7/30/96 Draft of Sapphire Specificaton, Work Plan and Quote from Crystal Systems
C961720-00-V	Richard Bagley	VO49-PL-233	8/1/96 Hanford, WA Site Civil Construction Drawing Package
C961721-00-P			8/1/96 Quotation - West Coast Porcelain
	David Mc Williams	V049-I-88	8/8/96 RGA Data of Outgassing Tests for Information for LIGO
C961723-00-B		CBI-CT 2.2/0131	8/14/96 Mill Test Reports (CDRL #29.03, DRD #08)
C961724-00-B		CBI-CT 2.2/0131	8/14/96 Mill Test Reports (CDRL #29.04, DRD #08)
	Dr. Richard P. Seligman		8/16/96 Request for Approval, Proposed Contract for Installation of the Beam Tube Enclosures, Hanford, WA.
C961725-00-O			8/16/96 Request for Approval, Proposed Contract for Installation of the Beam Tube Enclosures, Hanford, WA.
C961726-00-B		CBI-CT-2.2/0136	8/14/96 Invoice Milestone Payment No. 5 - Complete Batch #3 of Coil Material
C961727-00-P			7/31/96 Quotation - Sun Microsystems
C961728-00-O			8/16/96 Termination of Purchase Order PP195912.
C961729-00-O			8/16/96 Letter of Transmittal - Livingston Buildings and Infrastructure Drawings to PSI
C961730-00-O	•	LTACME-F0028	8/14/96 Beam Tube Enclosure Fabrication - Hanford
C961731-00-U			8/16/96 Remedial Plan - Adjust Slab Elevation
C961733-00-O			8/14/96 Minutes for Construction Meeting No.2 on 6 August 1996
C961734-00-E		ODI OT 0 0/0000	8/16/96 Advanced Copy of PO No. PC208421 for LIGO Mirror Blanks
C961735-00-B		CBI-CT-2.3/0068	7/30/96 122cm Gate Valves
C961736-00-P		LIGO-108	7/31/96 Invoice - Hytec, Inc.
C961737-00-D			8/1/96 CSIRO Term and Conditions for Provision of Services
	Andreas Nonnenmacher	006 04960 Day 0	8/9/96 LIGO Metrology - Test Description, WYKO TOPO2D Measurements
C961740.00.O		006-01860, Rev. 0	8/9/96 Levernier Preliminary Construction Schedule
C961740-00-O		960813-0	8/13/96 Phase C Services for the Hanford and Livingston Sites 8/21/96 Addendum No.1 to IEE F 12/96 for Buildings and Infrastructure Livingston Louisiana (LICO C061605 00 O)
C961741-00-O		IFB-EJ246	8/21/96 Addendum No.1 to IFB-EJ246 for Buildings and Infrastructure, Livingston, Louisiana (LIGO-C961605-00-O)
C961742-00-O		IFB-EJ250	8/21/96 Addendum No. 1 to IFB-EJ250 for Concrete Slab and Precast Enclosures, Livingston, Louisiana (LIGO-C961610-00-O) 8/16/96 Transmittal of PSI Drawings
C961744-00-V	~ .	CT055 RFI #27	•
C961744-00-O		RFI #27 RFI #26	8/7/96 Request for Information (RFI) 027
C961745-00-O		RFI #25	8/7/96 Request for Information (RFI) 026
C961746-00-O C961748-00-P		ι\ΓΙ #U 2 Ο	8/7/96 Request for Information (RFI) 025 8/21/96 Bruce Allen Sabbatical
C961748-00-P			8/21/96 Mircoroughness Data
C901749-00-D	Nai Weiss		0/2 I/30 WIIICOTOUGHTIESS D'ALA

Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C961749-01-D	Prof. Katherine Creath		9/9/96 Microroughness Data Summarization
C961750-00-O	Karl Drobny	LTC-F0043	8/16/96 Payment Request for Field Work Directive No. RSI-F009
C961751-00-O	Gary Wagner	961856 (inv. #)	8/13/96 Invoice - Rogers Surveying, Inc.
C961752-00-O	Karl Drobny	RSI-F-009	7/12/96 Field Work Directive
C961753-00-O	Gary Wagner		8/16/96Work Order Status and Cost Report
C961754-00-O		LTC-F0044	8/16/96 Payment Request for Field Work Directive No. RSI-F010
C961755-00-O		961854 (inv. #)	8/12/96 Invoice - Rogers Surveying, Inc.
C961756-00-O		RSI-010	7/12/96 Field Work Directive for Rogers Surveying, Inc.
C961758-00-O	,		8/16/96 Work Order Status and Cost Report
	Australian Nation University		8/11/96 Invoice from Australian National University
C961760-00-O	,	LTC-F0042	8/16/96 Payment Request for Field Work Directive No. RSI-F008 Submitted by Rogers Surveying, Inc.
C961761-00-O		961855 (inv. #)	8/13/96 Invoice - Rogers Surveying, Inc.
C961762-00-O		RSI-008	6/21/96 Field Work Directive for Rogers Surveying, Inc.
C961763-00-O		1.01 000	8/16/96 Work Order Status and Cost Report
C961764-00-U	rtan Broomy		8/22/96
C961766-00-V	Richard Bagley	96080011	8/19/96PSI Invoice For Milestones #15A, #15C and #15E
C961767-00-O	0 ,	RG06	8/14/96 Field Work Directive for Stranco
C961768-00-O	•	RG07	8/14/96 Field Work Directive for Stranco
	•		
C961769-00-O	,	LTACME-F0029	8/19/96 Revised Punchlist For The On-Site Contract Work 1/12/96 Parsons' Notification of Release of Partial Retention
C961770-00-O	•	E 110 000E	
C961771-00-O	•	F-HO-0005	8/15/96 Field Weekly Report - Livingston
C961772-00-B	•		8/23/96 Technical Direction Memorandum (TDM) 96-009 - CDRL Conditional Approval Requiring Resubmittal
C961773-00-B	,		8/23/96 CDRL Responses: Approval of CDRL 16, Rev. 1; CDRL 24-11 and Request for Changes to CDRL 24-2, Rev. 1
C961774-00-B	•	151/500//	8/12/96 Design Document Revisions Pump Port Drawing & Specifications (CDRL #24-11, DRD #03)
C961775-00-O		LEV-F001-1	8/19/96 Field Work Directive for Levernier Construction, Inc.
C961776-00-A		217913 (inv. #)	8/6/96 Invoice - Boise Cascade Office Products
	Chris Humphreys	256-50126-502	8/6/96 Monthly Status Report Summarizing Testing Sevices Performed at Livington, JULY 1996
C961778-00-O	<u> </u>	256-50126-502	8/6/96 Monthly Status Report Summarizing Testing Sevices Performed at Livington, JULY 1996
C961779-00-O	•	RG012	8/19/96 Field Work Directive (FWD) RG012
C961780-00-O	•	RG011	8/16/96 Field Work Directive (FWD) RG011
C961781-00-O		DOI 000	8/19/96 Minutes for Construction Meeting No.3 on 13 August 1996
C961782-00-O		RSI-009	8/13/96 Field Work Directive RSI-009 - Monument Listing of the Sixteen Control Monuments
C961783-00-O		PAR-L080	8/16/96 Delivery of Precast Concrete Beam Tube Enclosure Segments
C961784-00-P		0000 (' 11)	8/22/96 LIGO/ Washington Offsite Acquistion Program
C961785-00-O		8039 (inv. #)	8/23/96 Payment 008 Invoice - Stranco
C961786-00-O	•	CM-F026	8/22/96 Weekly Construction Activity Report: Hanford Site
C961787-00-O			8/27/96 Statement of Work (SOW) for the Precision Survey of Beam Tube/Vacuum Equipment Interface
C961787-00-O	Allen Sibley		8/27/96 Statement of Work (SOW) for the Precision Survey of Beam Tube/Vacuum Equipment Interface
C961787-01-O			9/3/96 Precision Survey of Beam Tube/Vacuum Equipment Interface
C961788-00-O	<u> </u>	LTACME-F0030	8/22/96 Beam Tube Enclosure Fabrication
C961789-00-O	•	LTACME-F0031	8/22/96 Washington State Department of Labor and Industries Electrical Permit
C961790-00-P		73452 (inv. #)	8/23/96 Invoice from Nor-Cal Products
C961791-00-V	= -	VO49-8-400	8/22/96 Main Turbo Air Speed Test
C961792-02-V	0 ,	VO49-2-045, Rev. 2	8/22/96 O Ring Specification
C961793-00-B	•	2222242 (1 11)	8/27/96 Stainless Steel 304 Producer Price Index (PPI) History
C961794-00-O		00503610 (inv. #)	8/21/96 Invoice for Parsons for Period Ending 12 July 1996
C961795-00-O		00505968 (inv. #)	8/20/96 Invoice for Parsons, dated 20 August 1996
C961796-00-O		00503612 (inv. #)	8/20/96 Invoice for Parsons, dated 20 August 1996
C961797-00-O		00505613 (inv. #)	8/20/96 Invoice for Parsons, dated 20 August 1996
C961798-00-O		00503614 (Inv. #)	8/20/96 Invoice for Parsons, dated 20 August 1996
C961799-00-O		266200 (:: 41)	8/21/96 Parsons' Transmittal of Invoice - Job Number 402117, 402118, 402119, & 402120
C961800-00-A		366299 (inv. #)	8/9/96 Invoice - Boise Cascade Office Products
C961801-00-O	•	646420 (inv. #)	8/6/96 Invoice from Professional Service Industries, dated 8 August 1996
C961802-00-O	•	F-HO-0005	8/22/96 LIGO Louisiana Field Weekly Report, dated 22 August 1996
C961803-00-D			8/26/96 Transmittal of Technical Note Describing Calculations of Bellows Deflection Requirements 8/28/96 Request for Approval for Proposed Contract for Installation of Ream Tube Englactures at Hanford with Levernian Construction
C961804-00-O			8/28/96 Request for Approval for Proposed Contract for Installation of Beam Tube Enclosures at Hanford with Levernier Construction
C961805-00-O	nena renac		8/28/96 Non-Disclosure Agreement Between Lightwave Electronics and the LIGO Project Regarding the Design and Fabrication of LIGO Nd3+ Lasers

Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C961806-00-B		CBI-CT 2.2/0140	8/23/96 Submittal of CDRLS #13, Revision 2; #24-9, Revision 1; and Revised Copies of Drawing O
	Dr. Richard P. Seligman	ODI OT 2.2/0140	8/30/96 Transmittal of Change Order 20 for P.O. PP045667 with MIT
C961807-00-P	-		8/30/96 Transmittal of Change Order 20 for P.O. PP045667 with MIT
C961808-00-B	'		8/30/96 Approval of CDRL 24-9, Rev. 1 and Transmittal of TDM 96-010 regarding CDRL 13, Rev. 2
C961809-00-B	•		8/30/96 Technical Direction Memorandum (TDM) 96-010 - Response to CDRL 13, Rev. 2 (Resubmittal required for Approval)
C961810-00-B	· ·		8/14/96 Agenda for 8/21 Beam Tube Meeting.
C961811-00-O	Larry Jones	007-05120, Rev. 0	8/22/96 Anchor Bolt Layout Plan
C961812-00-O	Armin Voat	007-03120, 1107. 0	8/29/96 LIGO Hanford Near Miss Incident Report of Levernier's Subcontractor, Oasis Construction
C961814-00-O	7 tirimi vogt		9/3/96 Survey of Beam Tube/Vacuum Equipment Interface
C961815-00-B	Lance Ruboltz		7/24/96 Coupon Outgassing Background Check and Test Data, CBI-CT-2.2/0107 - DRD #9, CDRL #30-B, Revision 1 And Copy of CDRL #30-A.
	Joseph Levernier		7/26/96 RFP-TL-240. Installation of Beam Tube Enclosures, Hanford, WA.
C961817-01-B			8/23/96 Soft Support Drawing, CBI Drawing #22 - (CDRL 24-9, Revision 1)
C961817-02-B	•		9/13/96 Gate Valve Soft Support Details (CDRL 24-9, Revision 2)
C961821-00-O	•	LTLVR-F005	9/9/96 Use of Damaged or Modified Tools or Equipment
C961821-01-O	,	LTLVR-F005, Rev. 1	9/3/96 Use of Damaged or Modified Tools or Equipment
C961822-00-B	,	CBI-CT 2.2/0138	8/22/96 Project Status Review Data Package - CDRL #25h
C961823-00-D		LTLVR-F004	8/30/96 Review of Preliminary Construction Schedule from Levernier Construction, Inc.
C961824-00-O	,	1155-4 (inv. #)	8/26/96 Invoice from ABMB Engineers Incorporated
	Garilynn Billingsley	1133-4 (1114. #)	9/4/96 Request for Quotation (RFQ) for Polishing of LIGO Substrates
C961827-00-B		CBI-CT 2.2/0143	8/30/96 Invoice Milestone #7 Payment - Fabrication Readiness Review (Invoice # WBC-3296-Rev. 1)
C961828-00-P		ODI-O1 2.2/0143	9/5/96 Insurance for Liability for University of Wisconsin-Milwaukee(UWM)
	Garilynn Billingsley		9/5/96 LIGO Specification and Future Procurement Plans for Core Optics
	Garilynn Billingsley		9/5/96 LIGO Specification and Future Procurement Plans for Core Optics
C961831-00-B		CBI-CT 2.2/0142	8/29/96 Transmittal of Signed TIM-015
C961832-01-D	Lance Bubbliz	ODI-O1 2.2/0142	12/30/96 Statement of Work for the Fabrication, Measurement and Delivery of the Polished Core Optics Substrates
C961834-00-F	Ed Joseph		9/6/96 P.O. PC211287 with The ImTec Group, Ltd. for the Precision Alignment of the Hanford LIGO Site
C961834-00-F			8/12/97 Change Order #1 for P.O. PC211287 with The ImTec Group, Ltd.
C961835-00-B		CBI-CT 2.2/0141	
			8/27/96 Change Order Request (COR) 005, Rev. 1 - Revised Scope of GPS Beam Tube Alignment 9/4/96 Submittal of CDRLS #13-Rev 1, and #17-Rev. 1
C961836-00-B C961837-00-O	•	CBI-CT 2.2/0144	9/4/96 Submittal Of CDRLS #13-Rev 1, and #17-Rev. 1 9/6/96 Transmittal Letter for Construction Drawings
C961838-00-B			9/9/96 Transmittal of Pump Cart Drawings and TDM 96-008A
C961839-00-D	•	LTLVR-F0006	9/4/96 Required Issue Dates for Substitutions and Submittals
C961840-00-O		LTLVR-F0006	9/5/96 Review Comments for Levernier's Quality Control Plan
C961841-00-O	,	RFI #037, Rev.1	7/19/96 Request for Information (RFI) No. 037, Revision 1
	Joseph Levernier	RFP-TL-240	7/26/96 RFP-TL-240, Installation of Beam Tube Enclosures, Hanford, WA
C961843-00-P			
	•	LEV-F004 RSI-011	9/3/96 Field Work Directive for Soil Removal
C961844-00-O C961845-00-D	,	K3I-U11	8/30/96 Field Work Directive for Survey Work 9/3/96 HDOS/Pathfinder Surface Metrology
C961846-00-D			9/8/96 CSIRO/Pathfinder Surface Metrology
			· ·
	Michael Johnson	LTC-F0045	8/22/96 List of Key Personnel for Levernier Construction for the LIGO Project
C961848-00-O C961851-00-O	Nan Diobily	8008083301	9/5/96 First Issue of the Schedule of Values from Levernier 9/3/96 Invoice from Demco
	Richard M. Clemens	Qte#608007	8/2/96 Quotation from Garwood Laboratories, Inc. for Transit Case
C961853-00-D		QIE#000007	
		VO40 DL 225	8/2/96 Draft - Review of Engineering Support for Electrical Tie-In 8/2/96 GNB Schedule
C961854-00-V		VO49-PL-235	8/2/96 Fused Silica Absorption Specification
C961855-00-D	Randy VanBrocklin	CBI-CT 2.2/0034	8/2/96 Preliminary Drafts of Management and Implementation Plans (over-the-fence drafts)
C961857-00-D			
	·	RSI-012	9/6/96 Field Work Directive (FWD) RSI-012 for Rogers Surveying, Inc.
C961858-00-O		LTLVR-F008	9/9/96 Minutes for Construction Meeting No. 4 9/9/96 Comment to the Schedule of Values
C961859-00-O		LILVK-FUUO	
C961860-00-O		LTC 50024	9/5/96 Levernier Construction Three Week Look Ahead Schedule for Hanford Site 8/6/96 LCO Project Hanford Powert Portugat For Field Work Directive No. ACME F. 013 from Acme Materials & Construction. To Provide Labor Material and Necessary Equipment
C961861-00-O		LTC-F0034	8/6/96 LIGO Project Hanford, Payment Request For Field Work Directive No. ACME-F-012 from Acme Materials & Construction, To Provide Labor, Material and Necessary Equipment
C961862-00-B		CBI-CT 2.2/0132	8/7/96 Transmittal of Signed TIM 020 from CBI
C961863-00-B		CBI-CT 2.2/0133	8/7/96 Transmittal of Signed TDM 96-007 from CBI
C961864-00-O		PAR-L065	8/1/96 Application for Payment for Field Work Directive ACME-F-012
C961865-00-O		LTC-F0035	8/6/96 LIGO Project Hanford, Payment Request for Field Work Directive No. ACME-F-011 from Acme Materials & Construction, To Provide Labor, Material and Necessary Equipment
C961866-00-D	гтеа каар		9/11/96 Requested Information on Thermal Noise

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C961867-00-O	Jim Allen	PAR-L064	8/1/96 Application for Payment for Field Work Directive ACME-F-011
C961868-00-B	Lance Buboltz	CBI-CT 2.3/0063	5/10/96 Draft 16 May 1996 Meeting Agenda
C961869-00-B	Larry Jones		9/11/96 Response to CDRL Submittals
C961870-00-B	Larry Jones		9/11/96 Technical Direction Memorandum (TDM) 96-011 - Response to CDRL 17, Rev. 1 and CDRL 24-1, Rev. 1
C961871-00-O	Karl Drobny	LTC-F0036	8/6/96 LIGO Project Hanford, Payment Request No.3 for Change Order No.2, from Acme Materials & Construction, to Provide Added Electrical Installations and Pipe Crossing
C961872-00-O	Jim Allen	PAR-L062	8/1/96 Application for Payment of Proposed Change Order #2
C961873-00-O	Karl Drobny	LTC-F0037	8/6/96 LIGO Project Hanford, Progress Payment Request No. 04 from Acme Materials & Construction, for Period 04 July, 1996 through 30 July, 1996
C961874-00-P	Irena Petrac		9/11/96 Contractor's Release of Claims Against Caltech and Advance Copy of P.O. PC180237 with Tufts University
C961875-00-O	Jim Allen	PAR-L067	8/1/96 Application for Payment for Work Through July 31, 1996
C961876-00-O	Karl Drobny	LTC-F0038	8/7/96 LIGO Project Hanford, Payment Request for Field Work Directive No. ACME-F-013 from Acme Materials & Construction, to Provide Labor, Material and Equipment Necessary for Terrazzo Grind the Anchor Slabs Along Both Beam Tube Arm
C961877-00-O	Jim Allen	PAR-L063	8/1/96 Terrazzo Grinding of Anchor Slabs
C961878-00-O	Karl Drobny	LTC-F0039	8/7/96 LIGO Project Hanford, Payment Request for Field Work Directive No. ACME-F-008 from Acme Materials & Construction, to Provide Labor, Material and Equipment Necessary for Placing a Transformer Foundation at the Well No. 1
C961879-00-O	Jim Allen	PAR-L066	8/1/96 Application for Payment for Field Work Directive ACME-F-008
C961880-00-B	Lance Buboltz	CBI-CT 2.2/0145	9/5/96 Transmittal of Signed TDM 96-009
C961881-00-V	Curt Crist	0072081 (inv. #)	7/31/96 Invoice from Capital Industries, Inc.
C961882-00-V	Curt Crist	0072082 (inv. #)	7/31/96 Invoice from Capital Industries, Inc.
C961883-00-V	Curt Crist	0072168 (inv. #)	7/31/96 Invoice for Baffle Serrations
C961884-00-V	Curt Crist	0072080 (inv. #)	7/31/96 Invoice for Baffle Serrations
C961885-00-D	Mark Optics, Inc.	· ·	8/6/96 Quotation from Mark Optics, Inc.
C961886-00-V	Tom Starr	VO49-PL-238	8/6/96 GNB Locking Mechanism
C961887-00-V	Curt Crist	PP195911	8/6/96 Blasting fo Serrations on Baffles
C961888-00-P	William O. Miller		8/6/96 Projected Overhead for LIGO Contract with Hytec, Inc.
C961889-00-E	John Czajkowski	2-086-27988	8/6/96 Quotation from National Technical Systems (NTS) for Testing of Optic Mock-Up
C961890-00-E	Frank Conley		8/7/96 Applications for the Sr/Jr Network Administration Position
C961891-00-V	Tom Starr	VO49-PL-239	8/9/96 GNB Valves - Installation Information
C961892-00-P	Karen Sandberg		5/23/96 NSF Approval for Contract with Lightwave Electronics for the Design and Fabrication of the Nd3+ Lasers
C961893-00-V	Curt Crist		8/9/96 Baffles Update on Recent Changes
C961894-00-O	Jan Szwed	8111 (inv. #)	9/5/96 Request for Payment #9 from Stranco
C961895-00-B	Lance Buboltz	CBI-CT-2.3/0068	8/9/96 Fabrication/Installation Readiness Review Meeting Agenda and Preview, 21 August 1996
C961896-00-B	Larry Jones		9/12/96 LIGO Coupon Measurements: Batches #1 and #2
C961897-00-E	Rod Morgan	7-086-18370	8/9/96 Quotation - National Technical Systems (NTS)
C961897-01-E	Rod Morgan	7-086-18370-1	8/14/96 Quotation from National Technical Systems (NTS) for Shock Testing on Cargo Container
C961898-00-P	Irena Petrac		9/12/96 P.O. PC211816 with Compuhope, Inc - Technical Support Consisting of Computer System Administration Services
C961898-01-P	Irena Petrac		11/25/96 Change Order 1 for P.O. PC211816 with Compuhope, Inc Closure of all Activity
C961898-A-P			2/4/97 Close-Out File for P.O. PC211816 with CompuHope, Inc.
C961899-00-P	Irena Petrac		9/12/96 Advance Copy of P.O. PC211816 with CompuHope
	Prof. Katherine Creath		9/9/96 Invoice for Katherine Creath for Period of 12 July through 8 September 1996
C961901-00-O	Ed Jasnow		9/13/96 Notice of Award, Contract PC207415 (LIGO-C961604-00-O) for the Installation of Beam Tube enclosures at Hanford, WA
C961902-00-O	Ralph M. Parsons Company		9/10/96 Bid Addendum #2 to IFB EJ-246 for Building and Infrastructure for Livingston
C961903-00-O	Ralph M. Parsons Company		9/10/96 Bid Addendum #2 to IFB EJ-250 for Concrete Slab and Precast Enclosures
C961904-00-O			9/17/96 Transmittal of Addendum #2 for IFB EJ-246 for Building and Infrastructure at Livingston
C961905-00-O			9/17/96 Transmittal of Addendum #2 to IFB EJ-250 for Slab and Precast Enclosures (LIGO-C961610-00-O)
C961906-00-B	*		9/13/96 Cleaning Coupons
C961909-00-O		9600912-2	9/12/96 Wall Panel Substitution Request
C961911-00-O		LTC-F0048	9/11/96 Final Payment Request for Field Work Directive #ACME-F-012 from Acme to Provide Labor, Material, and Necessary Equipment
C961912-00-O		PAR-L069	9/6/96 Application for Payment for Field Work Directive ACME-F-012
C961913-00-O		LEV-F005	9/11/96 Field Work Directive
C961914-00-O		PAR-L071	9/6/96 Application for Payment of Proposed Change Order #2
C961915-00-O		LTC-F0049	9/11/96 Final Payment Request #4 for Change Order #2 from Acme Materials & Construction to Provide Added Electrical Installations and Pipe Crossing
C961916-00-O		PAR-L068	9/6/96 Application for Payment for Work Through 25 August 1996
C961917-00-O	•	LTC-F0046	9/11/96 Progress Payment Request #5 from Acme Materials & Construction for Period 1 August - 30 August 1996
C961918-00-O		PAR-L070	9/6/96 Application for Payment for Field Work Directive ACME-F-011
C961919-00-O		LTC-F0047	9/11/96 Payment Request for Field Work Directive #ACME-F-011 From Acme Materials & Construction to Provide Labor, Materials and Necessary Equipment
C961920-00-B	*		9/16/96 Technical Direction Memorandum (TDM) 96-012
C961921-00-P			9/16/96 Advance Copy of P.O. PC211816 with CompuHope
C961922-00-P			9/16/96 Advance Copy of Change Order #1 for P.O. PC180237 with Tufts University
C961923-00-D	Stan Whitcomb		9/18/96 Transmittal of LIGO Fact Sheet and Publication

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C961924-00-D	Garilynn Billingsley		9/16/96 Delivery Schedule
C961925-00-D	Garilynn Billingsley		9/17/96 Acceptance of Glass Shipment
C961927-00-O	Michael Johnson		9/6/96 Progress Payment Request #1 from Levernier Corporation
C961928-00-O	Karl Drobny	LTC-F0050	9/12/96 Progress Payment Request #1 from Levernier Construction, Inc.
C961931-00-D	Robbie Vogt		9/18/96 Technical Information Memorandum (TIM) HY-9601 - Transmittal of Drawing for the 40m Chamber Bellows
C961932-00-B		CBI-CT 2.2/0146	9/12/96 Transmittal of Signed TDM 96-008A and TDM 96-010 and Acknowledged Receipt of TDM 96-011
C961933-00-P		226036	9/8/96 Invoice from Australian National University
C961934-00-O	J. E. Curtis	96-9 (Inv. #)	9/16/96 Invoice for J.E. Curtis through 31 August 1996
C961935-00-O	Karl Drobny		9/16/96 Minutes for Construction Meeting #5 on 10 September 1996 at Hanford
C961936-00-O	Karl Drobny	CM-F029	9/12/96 Weekly Construction Activity Report for Hanford Site
C961937-00-O	Roland Franks		9/13/96 Request for Information (RFI) #039 - Random Cracking of BTE Slab
C961938-00-O	Michael Johnson	LCI #8	9/13/96 Request for Date Extension on Substitution Requests
C961939-00-O	Michael Johnson	LCI #9	9/13/96 Replacement Sought for Quality Control Representative at Levernier Construction
C961940-00-V	Richard Bagley	V049-PL-272	8/15/96 Cambridge Acoustical Associates (CAA) Preliminary Report on 80K Pump Bubble Noise and Technical Article
C961941-00-P	Tom Starr		9/17/96 GNB Gate Valve Documentation (Prototype, S/N 001)
C961942-00-O	Michael Johnson		9/13/96 Levernier RFI Report Summary
C961943-00-O	Michael Johnson		9/13/96 Subcontractor Work Invoices Managed by Levernier
C961944-00-O	Fred Asiri		9/19/96 Technical Direction Memorandum (TDM) 96-10
C961945-00-O	Fred Asiri		9/19/96 Transmittal of TDM 96-10 and TDM 96-11
C961946-00-P			9/19/96 Addendum #1 to Request for Proposal (RFP) IP-21 (LIGO-C961946-00-P) for the Polishing of LIGO Mirror Blanks
C961947-00-P	Irena Petrac		9/19/96 Addendum #1 to Request for Proposal (RFP) IP-251 (LIGO-C961819-00-P) for Polishing of LIGO Mirror Blanks
C961949-00-O	Fred Asiri		9/19/96 Technical Direction Memorandum (TDM) 96-11
C961950-00-O	Ray Holder		8/13/96 Settlement Survey
C961951-00-B		CBI-CT 2.2/0147	9/13/96 Submittal of CDRLS #10, Rev. 3; #24-3, Rev. 3; #24-4, Rev. 2; #24-8. Rev. 2; and #24-9, Rev. 2
C961952-00-O	Karl Drobny		9/18/96 Acme & CPI, Interface Meeting No. 8 Meeting Minutes 10 September 1996
C961955-00-B	Marty Tellalian	CBI-CT 2.2/0099	6/24/96 Submittal of CDRL 12 - Drawings Associated with the Module Lengths (CDRL 12, DRD 03) - Revised in Accordance with TDM 96-003
C961956-00-O	Karl Drobny		9/10/96 Contractor's Interface Meeting #1, 10 September 1996 - Hanford
C961957-00-O	Karl Drobny	LEV-F006	9/17/96 Field Work Directive for Levernier Construction, Inc.
C961958-00-V	-		9/14/96 Packing Slip - GNB Corp.
C961959-00-V	J.B. Turpin		9/15/96 Installation and Handling of G44E
C961960-00-D	Eric Ponslet	HYTEC-LN-LIGO-07-	9/13/96 BSC Seismic Isolation Projected Performance Update
C961960-A-D	Eric Ponslet	HYTEC-TN-LIGO-07a	1/15/97 BSC Seismic Isolation Projected Performance Update
C961961-00-D	Bernie Weinstein	HYTEC-TN-LIGO-05	9/13/96 BSC Downtube Structure Mechanical Design and Analysis
C961961-00-D	Eric Ponslet	HYTEC-TN-LIGO-05	9/13/96 BSC Downtube Structure Mechanical Design and Analysis
C961961-A-D	Bernie Weinstein	HYTEC-TN-LIGO-05a	1/14/97 BSC Downtube Structure Mechanical Design and Analysis
C961961-A-D	Eric Ponslet	HYTEC-TN-LIGO-05a	1/14/97 BSC Downtube Structure Mechanical Design and Analysis
C961962-00-B	Gilbert P. Beckett	WBC-3296-B	9/18/96 Invoice for Milestone #7 - Fabrication Readiness Review
C961963-00-B	Lance Buboltz	CBI-CT 2.2/0148	9/18/96 Invoice Milestone Payment Request
C961964-00-V	Richard Bagley	96090013 (inv. #)	9/18/96 Invoice for Milestone 12A - Receipt of Stainless Steel Vessel Material
C961965-00-O	Michael Johnson		9/23/96 Schedule of Values
C961966-00-P			8/12/96 Services of Edward Chargois - Contract Extension
C961967-00-O			9/20/96 Change Order #1 to P.O. PC196741 with Levernier Construction, Inc.
C961968-00-V	John Worden		8/13/96BSC Prototype Vacuum Test and Outgassing Measurements
C961969-00-D			8/12/96 Quotation from Mindrum Precision Products
C961970-00-D		1505 (inv. #)	9/19/96 Invoice from Lightwave for Months of June through August, 1996
C961972-00-D	•	, ,	9/19/96 Monthly Status Report - JULY 1996
C961973-00-O	•		9/23/96 Transmittal of Addendum #2 Drawings
C961974-00-O		960920-0	9/20/96 Transmittal of Engineering Drawings for Demco in Livingston
C961975-00-O			10/29/96 Concrete Slab and Precast Enclosure for IFB EJ-250
C961976-00-O		LEV-F003-1	9/19/96 Field Work Directive to Levernier Construction, Inc.
C961977-00-O	-	CPI-32	9/11/96 Hanford Beam Tube Enclosure, Correspondence and Precast Fabrication - Service Module Handling Revision
C961978-00-B			9/13/96 Enclosure Cover Installation Contract Verbage
C961979-00-B	•		9/23/96 IMTEC's Fax re. Pre-Tasking
C961980-00-O	•	LEV-F005	9/9/96 Field Work Directive to Levernier Construction, Inc.
C961981-00-O	· ·	LEV-F003	9/9/96 Field Work Directive to Levernier Construction, Inc.
C961982-00-B	•	CBI-CT 2.2/0139	8/23/96 Project Status Review Meeting Minutes for 21 August 1996 (CDRL 40f, DRD 19)
C961983-00-O		LTLVR-F011	9/20/96Review Comments to Levernier's Construction Safety and Health Plan - Hanford
	,		· · · · · · · · · · · · · · · · · · ·

Document No Full N	l Name	ContractorDocNo D	oc Dt Full Title
C961984-00-O Karl D		ContractorDocito	9/13/96 Form/Pour Activity Schedule (Unofficial Issue)
C961985-00-V Richa	· · · · · · · · · · · · · · · · · · ·	VO49-PL-248	8/16/96 Building Survey Monuments
C961986-00-V Richa		VO49-PL-249	8/16/96 PSI's Comments to the Parson's Building Conduit Stub Up Drawings
C961987-00-V Richa	0 /	VO49-PL-243	8/15/96 Updated GNB Schedule
C961988-00-B Marty	0 /	E-2139	8/15/96 Quotation from Hyspan for Baffle Edge Guard
C961989-00-B Richa		L 2100	7/12/96 Detailed Design - Master Document List
C961990-00-V Richa		VO49-PL-245	8/15/96 Cleanroom Drawings
C961991-00-B Marty		VO43-1 L-243	8/15/96 Change Pages for Testing Procedures HMST1n and HMST1n (Alt); Page 2 of Pump Port "H" HDWR. Specification
C961992-00-O Karl D	•	CM-F025	8/15/96 Weekly Construction Activity Report - Hanford
C961992-00-B Dave	,	CBI-CT 2.3/0069	8/14/96 CBI Request for Information (RFI) #22 - Valve Soft Support - Low Position
C961995-00-O R. J.		9653335	8/2/96 Review of Engineering Support for Electrical Tie-In - Hanford Site
C961996-00-O J. E.	<u> </u>	900000	7/18/96 Review Westinghouse Hanford Company Engineering Support Charges
C961997-00-O R. J.		9653521	8/12/96 Invoice for Software Contract to Los Alamos National Laboratory
C961998-00-O R. J.	•	9653522	8/12/96 Invoice for Telecommunications Cable Installation Support
C961999-00-O R. J.	<u> </u>	9653523	8/12/96 Invoice for LIGO Electrical Power Connect
C962000-00-V Tom	<u> </u>	VO49-PL-241	8/13/96 GNB Schedule
C962001-00-V Richa		VO49-PL-241 VO49-PL-240	8/13/96 LN2 Tank Locations
C962001-00-V Richa C962002-00-B Lance		VO49-PL-240	8/13/96 Fabrication/Installation Readiness Review Meeting Preview Agenda - August 21, 1996
C962003-00-B Curt (8/13/96 Baffles
C962004-00-O	t Clist	9652924	
	ia linamiirth		8/8/96 Status of Hanford Contractor Activities in Support of LIGO 8/4/96 O. RE2073 F. With Research Floatra Option (REO). Provide Misra Revenhage Date in ACSU Format
C962005-00-D Doug	<u> </u>	PP207258	8/1/96 P.O. PP207258 with Research Electro-Optics (REO) - Provide Micro-Roughness Data in ACSII Format 0/00/05 Payment Payment for Field World Pinesting PSI 044. Submitted by Payment Payment for Field World Pinesting PSI 044. Submitted by Payment Payment for Field World Pinesting PSI 044. Submitted by Payment Payment for Field World Pinesting PSI 044. Submitted by Payment Paymen
C962006-00-O Karl E	*	LTC-F0052	9/20/96 Payment Request for Field Work Directive RSI-011, Submitted by Rogers Surveying, for Verifying the Existing An Finish Grade Elevation in the Area Where the Added Warehouse Will Be Located
C962007-00-O Karl [· · · · · · · · · · · · · · · · · · ·		9/23/96 Construction Meeting #6 Between Parsons and Levernier Construction, Inc. on 18 September 1996]
C962008-00-O Philip	· · · · · · · · · · · · · · · · · · ·		9/24/96 LIGO Temporary Access Road
C962009-00-O Kevin	'in Reilly		9/18/96 Request for a Right of Entry; Hwy 63 to LIGO Facility in Livingston Parish, Louisiana
C962011-00-D			9/26/96 NIST Fixture Sketches
C962012-00-D Irena			9/26/96 Addendum #3 to RFP IP-251 for Polishing of LIGO Mirror Blanks
C962013-00-D Irena			9/26/96 Addendum #3 to RFP IP-251 for Polishing of LIGO Mirror Blanks
C962014-00-B CBI			9/24/96 Leak Localization Procedure (CDRL 21, DRD 03)
C962015-00-B CBI		ODI OT 0 0/0450	9/24/96 Acceptance Test Procedure (CDRL 22, DRD 03)
C962016-00-B Marty	*	CBI-CT 2.2/0153	9/24/96Submittal of CDRLs #21 and #22
C962017-00-V Richa			9/23/96Status Report, AUGUST 1996 (CDRL 09-10)
C962018-00-D Alliso			8/15/96 Decline to Bid for RFQ for Beam Splitter
C962019-00-P Jill Be			8/15/96 Petty Cash June 96 for Hanford
C962020-00-M Sand	*	10000	9/17/96 Invoice for Legal Services from Taylor, Porter, Brooks & Phillips (invoice #4312-32802-002 JFM and 66299)
C962021-00-M Sand		12982-0	9/16/96 Invoice for Legal Services from Kean, Miller, Hawthorne, D'Armond, McCowan and Jarman (Invoice #121546)
C962022-00-B Cecil			9/25/96 Status Report for Beam Tube Fabrication
C962023-00-B Cecil			9/25/96 Partial Copy of Log Book
C962024-00-O Karer			9/12/96 NSF Approval for Installation of Beam Tube Enclosures with Levernier Construction, Inc.
	fessional Services Inds.	Inv.# 660920	9/9/96 Invoice - Professional Services Industries
C962026-00-O Kenn		1155-5 (inv. #)	9/11/96 Invoice - ABMB Engineers, Inc. for Period Ending 23 August 1996
C962028-00-B Lance			9/19/96 Project Status Review Meeting Minutes for 18 September 1996
C962029-00-B Lance	D. d d	ODLOT COMMES	
C962030-00-B Lance		CBI-CT 2.2/0150	9/19/96 Submittal of Project Status Review Meeting Minutes (CDRL 40g, DRD 19)
0000001 00 5	ce Buboltz	CBI-CT 2.2/0151	9/19/96 Project Status Review Data Package (CDRL 25i)
C962031-00-B Lance	ce Buboltz ce Buboltz		9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package
C962032-00-O Jack	ce Buboltz ce Buboltz k A. Carter	CBI-CT 2.2/0151 CBI-CT 2.2/0149	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update
C962032-00-O Jack C962033-00-O Jim A	ce Buboltz ce Buboltz k A. Carter Allen	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A	ce Buboltz ce Buboltz k A. Carter Allen Allen	CBI-CT 2.2/0151 CBI-CT 2.2/0149	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment
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C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar C962036-00-O Karl C962036-01-O Karl C962037-00-D Robb	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks I Drobny I Drobny obie Vogt	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment 9/25/96 Field Work Directive for Levernier Construction, Inc. 2/24/97 Field Work Directive, Revision 1 to Levernier Construction Inc. 9/30/96 Technical Information Memorandum (TIM) HY-9602 - Transmittal of Technical Note
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar C962036-01-O Karl E C962037-00-D Robb C962038-00-F Cecil	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks I Drobny Drobny bie Vogt	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment 9/25/96 Field Work Directive for Levernier Construction, Inc. 2/24/97 Field Work Directive, Revision 1 to Levernier Construction Inc. 9/30/96 Technical Information Memorandum (TIM) HY-9602 - Transmittal of Technical Note 8/19/96 Equipment/Material Receiving Inspection Procedure - Roughing Pump System (Draft)
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar C962036-00-O Karl E C962036-01-O Karl E C962037-00-D Robb C962038-00-F Cecil	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks I Drobny I Drobny bile Vogt cill Franklin	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073 LEV-F007 LEV-F007-1	9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment 9/25/96 Field Work Directive for Levernier Construction, Inc. 2/24/97 Field Work Directive, Revision 1 to Levernier Construction Inc. 9/30/96 Technical Information Memorandum (TIM) HY-9602 - Transmittal of Technical Note 8/19/96 Equipment/Material Receiving Inspection Procedure - Roughing Pump System (Draft) 8/19/96 Equipment/Material Receiving Inspection Procedure - Main Turbo Pump Cart (Draft)
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar C962036-00-O Karl E C962037-00-D Robb C962038-00-F Cecil C962030-O-F Cecil C962040-00-P Lance	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks I Drobny Drobny Die Vogt Gil Franklin ce Buboltz	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073 LEV-F007 LEV-F007-1 CBI-CT-2.2/0137	9/19/96 Project Status Review Data Package (CDRL 25i) 9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment 9/25/96 Field Work Directive for Levernier Construction, Inc. 2/24/97 Field Work Directive, Revision 1 to Levernier Construction Inc. 9/30/96 Technical Information Memorandum (TIM) HY-9602 - Transmittal of Technical Note 8/19/96 Equipment/Material Receiving Inspection Procedure - Roughing Pump System (Draft) 8/19/96 Equipment/Material Receiving Inspection Procedure - Main Turbo Pump Cart (Draft) 8/21/96 Invoice Milestone Payment #7 - Fabrication Readiness Review
C962032-00-O Jack C962033-00-O Jim A C962034-00-O Jim A C962035-00-O Rolar C962036-00-O Karl E C962037-00-D Robb C962038-00-F Cecil C962039-00-F Cecil	ce Buboltz ce Buboltz k A. Carter Allen Allen and Franks I Drobny I Drobny bie Vogt cil Franklin ce Buboltz a Scribner	CBI-CT 2.2/0151 CBI-CT 2.2/0149 PAR-L072 PAR-L073 LEV-F007 LEV-F007-1	9/18/96 Fabrication Readiness Review Data Package 9/17/96 Hanford Site Stabilization Agreement - Appendix A Update 9/12/96 Cost for Additional Duct Bank 9/15/96 Cost for Additional Duct Bank Minus Red Concrete and Deletion of Pneumatic Testing 9/26/96 Inventory on Units Produced and Units Awaiting Approval for Shipment 9/25/96 Field Work Directive for Levernier Construction, Inc. 2/24/97 Field Work Directive, Revision 1 to Levernier Construction Inc. 9/30/96 Technical Information Memorandum (TIM) HY-9602 - Transmittal of Technical Note 8/19/96 Equipment/Material Receiving Inspection Procedure - Roughing Pump System (Draft) 8/19/96 Equipment/Material Receiving Inspection Procedure - Main Turbo Pump Cart (Draft)

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962043-00-O	Ralph M. Parsons Company		9/27/96 Bid Addendum #3 for IFB EJ-246 for Building and Infrastructure at Livingston
C962044-00-O	Ralph M. Parsons Company		9/27/96 Bid Addendum #3 to IFB EJ-250 for the Concrete Slab and Precast Enclosures at Livingston
C962045-00-B	Lance Buboltz	CBI-CT 2.2/0152	9/19/96 Transmittal of Signed TDM 96-012
C962046-00-O	Joseph Levernier		9/27/96 Transmittal of Executed Contracts, Payment and Performance Bonds, and Required Certificate of Insurance
C962048-00-O	Ed Jasnow		10/1/96 Transmittal Letter for Addendum No. 3 to IFB No. EJ-246, for Buildings and Infrastructure, Livingston, Louisiana (LIGO-C961605-00-O)
C962049-00-O	Ed Jasnow		10/1/96 Transmittal Letter for Addendum No. 3 to IFB No. EJ-250, for Concrete Slab and Precast Enclosures, Livingston, Louisiana (LIGO-C961610-00-O)
C962050-00-E	Irena Petrac		10/2/96 P.O. PC203459 with General Optics, Inc Polishing of Fused Silica Mirror Blanks
C962051-00-O	Tina Lowenthal		10/3/96 Notice to Proceed, Contract # PC207415 (LIGO-C961604-00-O) for the Installation of the Beam Tube Enclosures at Hanford
C962052-00-O	Karl Drobny	RSI-012-1	9/30/96 Field Work Directive for Rogers Surveying, Inc.
C962053-00-O	Karl Drobny	RSI-013	9/30/96 Field Work Directive for Rogers Surveying, Inc.
C962054-00-D	William O. Miller	LIGO-110 (inv. #)	9/30/96 Invoice from Hytec for Period of Performance September 1-30, 1996
C962056-00-O	Tina Lowenthal		10/3/96 Transmittal of Executed Contract # PC207415 (LIGO-C961604-00-O) for the Installation of the Beam Tube Enclosures at Hanford
C962057-00-O	Karl Drobny		10/1/96 Notice to Comply for Levernier Construction, Inc.
C962058-00-O	Karl Drobny		9/30/96 Minutes for Construction Meeting No. 7 on 25 Septebmer 1996
C962059-00-D	Robbie Vogt		10/3/96 Technical Information Memorandum (TIM) HY-9603 - Transmittal of Specifications
C962060-00-O	Ed Jasnow		10/3/96 Request for Review and Approval of Change Order #1 to P.O. PC186218 with Professional Service Industries, Inc.
C962061-00-V	Richard Bagley	V049-MM-13	9/30/96 LIGO/PSI Monthly Status Meeting Minutes for 27 September 1996 (CDRL 8-13)
C962062-00-V	Richard Bagley	V049-1-047, Rev. 0	4/23/96 Vacuum Equipment Power Required at Load Centers - Corner Station
C962063-00-V	<u> </u>		10/3/96 PSI Project Schedule Containing Early Dates, Late Dates, & Float, Sorted by System and Activity ID
C962064-00-V	<u> </u>	V049-PL-281	10/2/96 Project Schedule/Power Requirement
C962065-00-V	Mike Zucker		10/3/96 Approval of CAA Technical Article
C962066-00-D			10/4/96 Addendum #4 to Request for Proposal (RFP) IP-251 (LIGO-C961819-00-P) for Polishing of LIGO Mirror Blanks
C962067-00-D	Irena Petrac		10/4/96 Addendum #4 to Request for Proposal (RFP) IP-251 (LIGO-C961819-00-P) for Polishing of LIGO Mirror Blanks
C962070-00-B	Larry Jones		10/4/96 Transmittal of Preliminary Information from PSI for First GNB Gate Valve
C962071-00-O	Fred Asiri		10/4/96 Transmittal of Addendum #3 Drawings for RFP EJ-250 to Demco
C962072-00-B	Larry Jones		10/4/96 Technical Direction Memorandum (TDM) 96-013
C962072-01-B	Larry Jones		10/7/96 Technical Direction Memorandum (TDM) 96-013 - Instructions for Cleaning of Production Tube Sections
C962073-00-V	Richard Bagley	V049-PL-283	10/3/96 Transmittal of Vacuum Equipment Fabrication Pictures
C962074-00-O	Karl Drobny	ACME-F-015	10/2/96 Field Work Directive for Acme Materials & Construction Co Negative Change Order
C962074-01-O	,	ACME-F015-1	8/19/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C962074-02-O	· ·	ACME-F015-2	8/5/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C962075-00-O	,	LEV-F008	10/1/96 Field Work Directive for Levernier Construction, Inc.
C962076-00-D	•	082196	8/21/96 Quotation - Lexel Laser, Inc.
C962077-00-P			8/20/96 Services of Jon-Michael Whitaker
C962078-00-B			9/13/96 Revised Agenda for Fabrication Readiness Review (FRR) Meeting, 18 September 1996
C962079-00-B		5661 thru 5664	9/24/96 Residue Determination and Evaluation of Residue by FTIR of Isopropyl Alcohol Samples
C962080-00-B	•		10/7/96 Technical Direction Memorandum (TDM) 96-014 - Install Beam Tube Centerlines at Hanford VE/BT Interfaces
	Larry Jones		10/14/96 Technical Direction Memorandum (TDM) 96-014A
	Larry Jones		11/1/96 Technical Direction Memorandum (TDM) 96-014B - Installation of Beam Tube Centerlines and Valve Tilts at Hanford BE/BT Interfaces
	Larry Jones		3/14/97 Technical Direction Memorandum (TDM) 96-041C
C962081-00-B	*	ODI OT 0 0/0:-:	10/7/96 Technical Direction Memorandum (TDM) 96-015
C962082-00-B		CBI-CT 2.2/0154	10/3/96Submittal of CDRL #13, Revision 4
C962083-00-O			10/7/96 Addendum #4 to IFB EJ-246 for Buildings and Infrastructure, Livingston
C962084-00-O		004007.4	10/7/96 Addendum #4 to IFB EJ-250 for Concrete Slab and Precast Enclosures, Livingston
C962085-00-O		961007-1	10/7/96 Transmittal of Addendum #4 to both IFB EJ-246 and IFB #EJ-250
C962086-00-O		LEV-001 (event #)	9/24/96 Near Miss Incident Report from 26 August 1996
C962087-00-B		000040 4	10/7/96 P.O. PC213087 with CBI Services, Inc Performance of Special Developmental Tasks on a Level-of-Efffort Basis
C962088-00-O		960912-1	9/12/96 Transmittal of Addendum #2 for IFB EJ-246
C962089-00-O		960912-0	9/12/96 Transmittal of Bid Addendum #2 for IFB EJ-250
C962090-00-O		960930-5	9/30/96 Transmittal of Bid Addendum #3 for IFB EJ-246 and IFB EJ-250
C962092-00-V	<u> </u>	V049-PL-288	10/3/96 Electrical Conduit Stub-Up Drawings
C962094-00-V	<u> </u>	V049-PL-115	3/12/96 Response to Letter of 26 February 1996 (LIGO-C960463-00-V) from E. Jasnow
C962095-00-B			2/29/96 Corrected Pump Port Coordinates 10/7/96 Minutes for Construction Meeting No. 8 on 2 October 1996
C962096-00-O	*	LTC-F0053	·
C962097-00-O	Garilynn Billingsley	L10-F0053	10/7/96 Progress Payment Request No. 2 from Levernier Construction, Inc. 10/9/96 Draft Purchase Order with General Optics, Inc.
C962098-00-D		CBI-CT 2.2/0055	3/1/96 Response to TDM 96-001
C302033-00-D	Lance Dubuitz	ODI-O1 2.2/0000	2/ 1/30 1/20 FIG. 1 1 FIM 30-00 I

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962100-00-B		CBI-CT 2.3/0043	2/28/96 Request for Information (RFI) #15 - Pump Port Locations at Terminations
C962101-00-B	,	CBI-CT 2.3/0043	2/23/96Transmittal of RFI's #15 and #16 for the Beam Tube Fabrication and Installation
C962102-00-B		MOF File 2.3/0044	2/28/96 Drawings Showing Arrangement of Beam Tube Sub-Assemblies
	Warren A. Carpenter	CBI-CT 2.2/0049	2/27/96 Request for Information (RFI) #14 - Pump Port Hardware
C962104-00-B		CBI-CT 2.2/0049	2/21/96Transmittal of RFI #14
C962105-00-O		OBI OT 2.2/0043	3/1/96 Preliminary/Final Design, Phase B Progress Graph
C962106-00-P	-		10/9/96 Addendum #5 to Request for Proposal (RFP) IP-251 (LIGO-C961819-00-P) for Polishing of LIGO Mirror Blanks
C962108-00-P			10/9/96 Addendum #5 to Request for Proposal (RFP) IP-251 (LIGO-C961819-00-P) for Polishing of LIGO Mirror Blanks
C962110-00-0		961009-2	10/9/96Hanford Beam Tube Enclosure Installation "Issued for Construction" Package
C962111-00-V		9610009-2 96100001 (inv. #)	10/7/96 Invoice for Milestone 9I - Placment of Purchase Order for Bakeout System/Blankets
C962112-00-O		LTLBTE-F001	10/7/96 Scheduled Start Date for the Beam Tube Enclosure Erection at Hanford
C962113-00-O	,	LTACME-F0032	10/8/96 Scheduled Start Date for the Beam Tube Enclosure Erection
C962114-00-P	,	LIAOME 1 0002	10/9/96 James E. Curtis (P.O. PP166239)
C962115-00-O	* *	961009-0	9/9/96 Project Status Report, Period Ending September 9, 1996 - (CDRL No.05, DRD No. 02)
	Richard J. Finno	301003 0	6/20/96 Evaluation of Settlement at the Laser Interferometer Gravitational-Wave Structure - Livingston, Louisiana
C962118-00-B			10/9/96 Cimplicity Monitoring and Control Information
C962119-00-O	•	LTLVR-F012	10/8/96 Schedule of Values Clarification
C962120-00-O	,	LIEVIKTOIE	10/1/96 Invoice from Demco
	Dr. Chris Walsh	FF:ST:CB.00218	10/11/96 Proposal in Response to RFP IP-251 for Polishing of LIGO Mirror Blanks
C962122-00-V		11.01.02.00210	10/11/96 Technical Information Memorandum (TIM) 42 - WA Crane System Information
C962123-00-V			11/4/96 Technical Information Memorandum (TIM) 43 - CBI Drawings
C962124-00-V			11/5/96 Stitch Weld Location
C962125-00-V			11/7/96 Technical Information Memorandum (TIM) 44 - Preliminary As Built Position of the Gate Valve as Measured by CBI
C962126-00-V			1/21/97 Technical Information Memorandum (TIM) 45 - VOID, Not Transmitted
C962127-00-V			11/14/96 Technical Information Memorandum (TIM) 46 - Request for Cost Estimates for Performance of Two Test on Metal O-Rings
C962128-00-V			11/26/96 Technical Information Memorandum (TIM) 47
C962129-00-V			12/20/96 Technical Information Memorandum (TIM) 48 - Acceptance of GNB Gate Valves with Serial Numbers 001, 002, 003, and 004
C962151-00-O		WELL #1	8/13/96 Field Work Directive - General Request for Quotation
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C962152-00-O	Karl Drobny	WFI -M02-1	
C962152-00-O C962153-00-O	•	WEL-M02-1 LTC-F0054	10/9/96 Field Work Directive to Layne of Washington, Inc Proceed with Scope of Work
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	Karl Drobny Karl Drobny		10/9/96 Field Work Directive to Layne of Washington, Inc Proceed with Scope of Work 10/10/96 Issue of Purchase Order for Replacing the Electrical Power Cable to Well #2 Pump
C962153-00-O C962154-00-O	Karl Drobny Karl Drobny Karl Drobny	LTC-F0054 LEV-F005 LEV-F005-1	10/9/96 Field Work Directive to Layne of Washington, Inc Proceed with Scope of Work 10/10/96 Issue of Purchase Order for Replacing the Electrical Power Cable to Well #2 Pump 9/9/96 Field Work Directive
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962180-00-V	Stu Motew	V049-PL-159	5/3/96 Transmittal of Documents from Edwards High Vacuum
C962181-00-B	Lance Buboltz	CBI-CT 2.2/0050	2/27/96 Transmittal of Signed TDM-006
C962182-00-O	Mel Weingart	PM-960301-0	2/29/96 Weekly Report
C962183-00-B	Lance Buboltz	MOF File 2.3/0050	3/1/96 Transmittal of Signed TIMs 005, 008, and 009
C962187-00-O	Michael Johnson	Levernier #11	10/14/96 Metal Wall Panels for Hanford Site
C962188-00-O	Karl Drobny	LTLVR-F013	10/18/96 Specification Section 07410, Metal Wall Panels - Hanford
C962189-00-O	Karl Drobny	LTC-F0056	10/18/96 Final Payment Request for Field Work Directive #ACME-F-014 from Acme Materials & Construction to Provide Labor, material and Equipment to add 65 Each of Duct Bank at the End Station of Both Arms between New Electrical Pull Boxes
C962190-00-O	Karl Drobny	ACME-F-014	8/7/96 Field Work Directive #ACME-F-014
C962191-00-O	Jim Allen	PAR-L075	10/14/96 Application for Payment for Work Through 25 September 1996
C962192-00-O	Karl Drobny	LTC-F0057	10/18/96 Progress Payment Request #06 from Acme Materials & Construction
C962193-00-O	Karl Drobny	LTC-F0055	10/17/96 Invoice #7 Submitted by Shannon & Wilson for Period 26 August 1996 thourgh 21 September 1996
C962194-00-O	Tim Melott	961021-0	10/21/96 Livingston Soils Settlement Study
C962195-00-U	Cathie Melde	1542 (inv. #)	10/10/96 Invoice for 25 August through 21 September 1996
C962196-00-O	Karl Drobny	LEV-F008-1	10/17/96 Field Work Directive to Levernier Construction, Inc.
C962197-00-B	Lance Buboltz	CBI-CT 2.2/0158	10/15/96 Transmittal of Signed TDM 96-014A/016
C962198-00-O	Tim Melott	961017-0	10/17/96 Material Substitution Process at Hanford
C962199-00-B	Lance Buboltz		10/9/96 Change Order Request (COR) 006 - Transformer Deletion/Pump Port Hardware Interface
C962200-00-B	Lance Buboltz		10/9/96 Change Order Request (COR) 008 - Engineering and Miscellaneous Procurement to Allow Higher Temperature Bake
C962201-00-B	Lance Buboltz		10/9/96 Change Order Request (COR) 009 - Provide and Install Soft Supports for Beam Tube Valves (Quanitity 14)
C962202-00-B	Lance Buboltz	CBI-CT 2.2/0157	10/9/96 Transmittal of Change Order Requests (COR) 006, 008, and 009 for Acceptance
C962203-00-O	Karl Drobny		10/14/96 Minutes for Construction Meeting #9 on 9 October 1996
C962204-00-O	Michael Johnson	006-01860 Rev.1	10/14/96 Preliminary Construction Schedule
C962205-00-V	Richard Bagley	V049-PL-301	10/18/96 Detail Manufacturing and Vendor Schedules
C962206-00-V	Paul Hendry		10/18/96 Monthly Status Report, dated 18 October 1996 (CDRL 09-11)
C962207-00-P	Irena Petrac		10/22/96 CSIRO Proposal in Response to Caltech RFP #IP-251 for Polishing of LIGO Mirror Blanks
C962208-00-O	Mike Holmes		10/18/96 Results of Precision Survey Performed September 16-22, 1996 at Hanford Site - FINAL REPORT
C962208-01-O	Mike Holmes		10/28/96 Final Report - Results of Precision Survey Performed September 16 through September 22, 1996 at Hanford LIGO Site
C962209-00-B	Ed Jasnow		10/22/96 Advance Purchase of 60 LIGO Beam Tube Coils
C962210-00-B	Ed Jasnow		10/23/96 Transmittal of Authorization to Purchase Beam Tube Coils
C962211-00-O	Tim Melott	961023-0	10/23/96 Transmittal of Section 05510 Metal Stairs and Platforms and Section 05312 Steel Roof Deck
C962212-00-E	Irena Petrac		10/23/96 CSIRO and HDOS Proposals for Optics Polishing Services
C962213-00-B	Larry Jones		10/23/96 Technical Direction Memorandum (TDM) 96-017
C962214-00-B	,		10/23/96 Technical Direction Memorandum (TDM) 96-018 - Perform Recommendations of the IRR Board
C962214-03-O			7/23/97 Change Order #3 for P.O. PC214120 with Woodrow Wilson Construction Co.
C962215-00-O	,	LTLBTE-F003	10/21/96 Postponement of the Beam Tube Enclosure Installation Start Date
C962218-00-O			11/25/96 Fixed-Price Contract #214119 between Hensel Phelps Construction Company and Caltech - Building and Infrastructure, Livingston
C962218-01-O			4/24/97 Change Order #1 for P.O. PC214119 with Hensel Phelps Construction Co Cement Stabilization
C962219-00-O			11/25/96 Fixed-Price Contract #214120 between Woodrow Wilson Construction Company, Inc. and Caltech - Concrete Slab and Precast Enclosures
C962219-01-O			4/24/97 Change Order #1 for P.O. PC214120 with Woodrow Wilson Construction Co Cement Treatment
C962219-03-O			7/23/97 Change Order #3 for P.O. PC214120 with Woodrow Wilson Construction Co.
	Garilynn Billingsley		10/28/96Technical Direction Memorandum (TDM) 96-001
	Garilynn Billingsley		11/5/96 Technical Direction Memorandum (TDM) 96-001, Revision 1
C962221-00-B	•		10/25/96CBI Contract Change Order #5 - Incorporating COR 4-9
C962222-00-O	·	1.01.440	10/22/96Minutes for Construction Meeting #10, 16 October 1996
	Michael Johnson	LCI #10	10/7/96 Response to RFI's 39, 55, and 56
	James R. Longan		10/7/96 LIGO Electrical Permit - Hanford
	Michael Johnson		10/7/96 Beam Tube Enclosure Hollow Metal Frames for Precast Openings
C962226-00-D			10/25/96 Meeting Notes for Hytect/LIGO Meeting on 24 October 1996
C962228-00-B			8/23/96 Pricing for Additional Baffles 8/23/96 Inspection Papert Measure Prints and Fitting
C962229-00-P		Oto# 60072	8/23/96 Inspection Report - Vacuum Piping and Fitting
	Lorraine Simonof	Qte# 60873	8/23/96 Quotation from Accuratus
C962231-00-V		VO49-PL-258	8/23/96 Edwards High Vacuum Pumps, Power Phasing
C962232-00-V C962233-00-B	David Mc Williams	CBI CT 2 2/0464	8/23/96 Agenda for PSI Monthly Status Meeting, 27 August 1996
		CBI-CT 2.2/0161	10/17/96 Project Status Review Data Package (CDRL 25J, DRD 04)
C962234-00-B C962235-00-B		CBI-CT 2.2/0161	10/17/96 Installation Readiness Review (IRR) Data Package (CDRL 28, DRD 07)
C962235-00-B		CBI-CT 2.2/0161 CBI-CT 2.2/0163	10/18/96Transmittal of Data for CDRL 28, DRD 07 and CDRL 25J, DRD 04
C302230-00-B	Lance DUDUILZ	ODI-O1 2.2/0103	10/25/96 Signed TDM 96-017 and Acknowledgement of TDM 96-018

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962237-00-B	Fred Asiri		10/28/96 List of Subcontractors from Woodrow Wilson Construction and Missing Specification Sections
C962238-00-B	Lance Buboltz	CBI-CT 2.2/0162	10/23/96 Project Status Review Meeting Minutes for 17 October 1996 (CDRL 40h, DRD 19)
C962239-00-B	Lance Buboltz	CBI-CT 2.2/0164	10/25/96Invoice Milestone #8 Payment Request (Invoice #WBC-3335)
C962240-00-F	Naveen Chanana	C082696972	8/26/96 Quotation from Complete Computer Cure
C962241-00-B	Ron Johnson		9/11/96Non-Conformance Reports (NCRs) 010, 011, 015, 018, 023
C962242-00-F	Naveen Chanana	C082696973	8/26/96 Quotation from Complete Computer Cure
C962243-00-B			8/26/96 Quotation from West Coast Porcelain - Proposed Tooling and Equipment Requirement Costs
C962244-00-B		CBI-CT 2.2/0159	10/17/96Invoice Milestone Payment
	Chris Humphreys	256-50126-584	10/11/96Monthly Progress Report - September 1996
C962246-00-B	' '	96090020 (inv. #)	9/24/96 Invoice from PSI
	Joanne Jaramillo	DQA #96-0601	8/27/96LIGO Activity Report for Two Week Period Ending 8/25/96
C962249-00-D		2 47 1 11 00 000 1	10/28/96
C962250-00-O	Ed.lasnow		10/28/96Request for Approval of Proposed Contract for Civil Construction in Livingston (IFB EJ-246)
	Dr. Richard P. Seligman		10/28/96 Request for Approval of Proposed Contract for the Concrete Slab and Precast Enclosures in Livingston
C962251-00-O	•		10/28/96Request for Approval of Proposed Contract for the Concrete Slab and Precast Enclosures in Livingston
C962252-00-B			10/29/96 Technical Direction Memorandum (TDM) 96-019
C962253-00-O	•		8/28/96Bidders Questions for IFB EJ-250
C962254-00-O			8/26/96Bidders Questions for IFB EJ-250
C962255-00-O			8/29/96Bidders Questions for IFB EJ-250
C962256-00-O		F-HO-0005	8/28/96LIGO Livingston Field Weekly Report for the Period 8/22/96 to 8/27/96
C962257-00-O	·	1 -1 10-0005	8/30/96Bidders Questions for EJ-250
C962257-00-O			8/30/96 Bidders Questions for EJ-250 8/29/96 Bidders Questions for IFB EJ-250
C962259-00-O	•		8/30/96 Bidders Questions for IFB EJ-250
C962260-00-O	Ed Jashow		10/29/96 Notification of Required Completion of Rough Grading
C962262-00-O	Karl Draham	CM F007	8/30/96 Bidders Questions for IFB EJ-246
C962263-00-O	*	CM-F027	8/29/96 Weekly Construction Activity Report - Hanford Site
C962264-00-B			9/5/96 Third Containerized Shipment of 100 Baffles
C962265-00-O		E 110 000E	9/4/96 Bidders Questions for IFB EJ-250
C962266-00-O	•	F-HO-0005	9/4/96 LIGO Louisiana Field Weekly Report for the Period 8/28/96 to 9/3/96
C962267-00-V		VO49-MM-12	9/3/96 LIGO/PSI Monthly Meeting Minutes of 27 August 1996 (CDRL 8-12)
C962268-00-P		PP157708	9/4/96 Services of Adrienne Harris from Telos
C962269-00-O	,		7/7/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix A: LIGO Site Time Series Plots
C962270-00-O	,		7/7/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix B: LIGO Site Spectograms
C962271-00-O	•		7/7/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix C: LIGO Site 24-Hour Spectra
C962272-00-O	•	\(\(\text{O}\) \(\text{A}\) \(\	7/7/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix D: LIGO Site 24-Hour Histograms
C962273-00-V		VO49-VMM-4	9/2/96 GNB Meeting Minutes for 28-30 August 1996
C962274-00-B		PC181520	9/13/96 Fabrication Readiness Review Meeting Agenda for September 18, 1996
	William Firesheets		9/12/96 Bidders Questions for IFB EJ-246
	Vance F. Gervais	CBI-CT-2.3/0072	9/12/96 Concrete Covers Over Beam Tube Modules
C962277-00-O		F-HO-0005	9/11/96LIGO Louisiana Field Weekly Report for the Period 9/4/96 to 9/10/96
C962278-00-O	·		9/10/96 Settlement Survey, Monitor Settlement Plates
C962279-00-B	•		9/9/96 Beam Tube and Termination Support to Gate Valve and Termination Foundation
	Warren A. Carpenter	CDRL No. 30-C	9/9/96 Coupon Outgassing Test Data Heat 11L285, Material Code "C", DRD No. 09, CDRL No. 30-C
C962280-01-B		CBI-CT 2.3/0079	11/18/96 Coupon Outgassing Test Data, Heat 11L855, Material Code "C" (CDRL 30-C-1, DRD 09)
C962281-00-V		VO49-VMM-3.2.2.5	9/9/96 GNB Meeting Minutes of 9/5/96
	Garilynn Billingsley		10/30/96Numerical Data of the Tantalum Thickness vs. Position in Plot
C962283-00-B			9/20/96 Baffles - Shipment Schedule
C962284-00-O			10/30/96 Required Completion of Rough Grading in Livingston
C962285-00-O			10/30/96 Required Completion of Rough Grading in Livingston
C962287-00-O	Karl Drobny	CM-F030	9/19/96 Weekly Construction Activity Report - Hanford Site
C962288-00-P		55835	9/16/96 Quotation from SunExpress
C962289-00-O	Alan Rohay		9/19/96 Draft for Review and Comments, Analysis of Differential Motions at the Hanford, Washington and Livingston, Louisiana LIGO Sites
	Alan Rohay		2/27/97 Analysis of Differential Motions at the Hanford, Washington and Livingston, Louisiana LIGO Sites
C962290-00-P			10/31/96 Quotation for Silver Plated Screws from U-C Components, Inc.
C962291-00-D	Marc Schneider		9/19/96 Quartz Glass for Optics Data and Properties
C962292-00-D			9/16/96 Technical Data on Iridite 14-2 - Chromate Coating for Aluminum
C962293-00-D	Inger Cowan		9/18/96 Certificate of Insurance for P.O. PC188099 with Butler Services
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	Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
CASCADACE Case Astronomy Case Cas	C962294-00-O		1025 (inv. #)	9/10/96 Invoice for Aerial Photography of Hanford LIGO Site
Statistics	C962295-00-O	Joseph Levernier		
Controlled Paul States	C962296-00-P	,	55679	9/13/96 Quotation from SunExpress
	C962297-00-P	Hope Mokola		'
Security Contents Secu		· ·		
		Mike Holmes		'
	C962300-00-D	Brvan Loucks		9/4/96 Proposal to Duplicate Tooling Produced and Delivered to NIST
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CBESS234-0-0 Michael Johnson 002-01081, Rev. D 101798/Salesty Plan for Hanford LIGO Site by Levemier CBESS234-0-0 Karl Doohry EV-P011 102-998/Flankes for Construction CBESS234-0-0 CBESS236-0-0 1018-01098 EV-P011 102-998/Flankes for Construction CBESS236-0-0 1018-01098 EV-P011 102-998/Flankes Broises Information Report on Wilson Construction Co. 1018-01098 EV-P011 102-998/Flankes Business Information Report on Wilson Construction Co. 1018-01098 CBESS236-0-0 1018-01098 CBESS236-0-0 1018-01098 CBESS236-0-0 1018-01098 CBESS236-0-0 1018-01098 CBESS236-0-0 1018-01098 CBESS236-0-0 CBES				·
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C98232-00-0 Michael Johnson		Kari Drobny	LEV-F011	
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C982238-00-0 Michael Johnson				'
C98223-00-0 Professional Services Inds. 672225 (Inv. #) 10/798 Invoice for Geotechnical Surveying in Livingston		NA'-land Laborana	1010000	
C86233-00-0 Kenneth Adkins 100296-01, 1155-6 100296/moles for Period Ending 20 September 1996				· · ·
C982351-00-D Joe Rizzo 9/19/98 Bidders Questions for IFB EJ-250 C982352-00-D Ay Holder FI-O-0005 9/18/98 LIGO Louislana Field Weekly Report for the Period 9/10/96 to 9/17/96 C982353-00-D William Firesheets HO-0005 9/17/98 Bidders Questions for IFB EJ-246 C982355-00-D Sally Morgan 9/17/98 Bidders Questions for IFB EJ-246 C982355-00-D Tim Melott PM-960913-0 9/13/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Garon 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Garon 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Garon 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Garon 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Garon 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Jim Caron 9/16/98 Bidders Questions for IFB EJ-246 C982355-00-D Kari Drobny CM-F031 9/27/98 Bidders Questions for IFB EJ-246 and IFB EJ-250 C982365-00-D Kari Drobny CM-F031 9/24/98 Weekly Construction Activity Report of the Period 9/18/98 to 9/24/98 C982365-00-D Stu Molew			` '	, , ,
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C962358-00-O Joe Rizzo 9/27/96 Bidders Questions for IFB EJ-250 C962359-00-O Glen Truelove 9/27/96 Bidders Questions for IFB EJ-246 and IFB EJ-250 C962360-00-O Karl Drobny CM-F031 9/24/96 Bidders Questions for IFB EJ-246 and IFB EJ-250 C962361-00-O Ray Holder F-HO-0005 9/25/96 LIGO Louisiana Field Weekly Report for the Period 9/18/96 to 9/24/96 C962362-00-V Stu Motew VO49-PL-278 9/24/96 The Storage and Preservation of Dry Running Vacuum Pumps C962363-00-O John Houghton 9/24/96 Bidders Questions for IFB EJ-246 C962364-00-V Richard Bagley VO49-PL-274 9/24/96 Request for Authorization to Release Edwards High Vacuum News Release C962366-00-P Dianna M. Eichler FGA7-08870 9/23/96 Quotation from Hewlett Packard C962367-00-P Dianna M. Eichler FGA7-08877 9/23/96 Quotation from QMI - Eddy Current Consultation Services C962367-00-P Ron Lindabury 1195R-96 9/23/96 Quotation from QMI - Eddy Current Consultation Services C962369-00-O Tim Melott PM-960920-0 9/20/96 Weekly Report - Week Ending 9/20/96 C962369-00-O Armin Vogt PAR-003 9/11/96 Request for Information (R			PM-960913-0	, ,
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C962360-00-0 Karl Drobny CM-F031 9/24/96 Weekly Construction Activity Report - Hanford Site C962361-00-0 Ray Holder F-HO-0005 9/25/96 LIGO Louisiana Field Weekly Report for the Period 9/18/96 to 9/24/96 C962362-00-V Stu Motew VO49-PL-278 9/24/96 The Storage and Preservation of Dry Running Vacuum Pumps C962363-00-O John Houghton 9/24/96 Bidders Questions for IFB EJ-246 C962364-00-V Richard Bagley VO49-PL-274 9/24/96 Request for Authorization to Release Edwards High Vacuum News Release C962365-00-P Dianna M. Eichler FGA7-08570 9/23/96 Quotation from Hewlett Packard C962366-00-P Dianna M. Eichler FGA7-08577 9/23/96 Quotation from Hewlett Packard C962368-00-P Ron Lindabury 1195R-96 9/23/96 Quotation from QMI - Eddy Current Consultation Services C962368-00-O Tim Melott PM-960920-0 9/20/96 Weekly Report - Week Ending 9/20/96 C962368-00-O Armin Vogt PAR-003 9/11/96 Request for Information (RFI) # PAR-003 - Anchorage of the LN2 Tanks				
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C962362-00-V Stu Motew VO49-PL-278 9/24/96 The Storage and Preservation of Dry Running Vacuum Pumps C962363-00-O John Houghton 9/24/96 Bidders Questions for IFB EJ-246 C962364-00-V Richard Bagley VO49-PL-274 9/24/96 Request for Authorization to Release Edwards High Vacuum News Release C962365-00-P Dianna M. Eichler FGA7-08580 9/23/96 Quotation from Hewlett Packard C962366-00-P Dianna M. Eichler FGA7-08577 9/23/96 Quotation from Hewlett Packard C962367-00-P Ron Lindabury 1195R-96 9/23/96 Quotation from QMI - Eddy Current Consultation Services C962368-00-O Tim Melott PM-960920-0 9/20/96 Weekly Report - Week Ending 9/20/96 C962369-00-O Armin Vogt PAR-003 9/11/96 Request for Information (RFI) # PAR-003 - Anchorage of the LN2 Tanks		,		
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C962367-00-P Ron Lindabury 1195R-96 9/23/96 Quotation from QMI - Eddy Current Consultation Services C962368-00-O Tim Melott PM-960920-0 9/20/96 Weekly Report - Week Ending 9/20/96 C962369-00-O Armin Vogt PAR-003 9/11/96 Request for Information (RFI) # PAR-003 - Anchorage of the LN2 Tanks	C962365-00-P	Dianna M. Eichler	FGA7-08580	9/23/96 Quotation from Hewlett Packard
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C962369-00-O Armin Vogt PAR-003 9/11/96 Request for Information (RFI) # PAR-003 - Anchorage of the LN2 Tanks	C962367-00-P	Ron Lindabury	1195R-96	9/23/96 Quotation from QMI - Eddy Current Consultation Services
	C962368-00-O	Tim Melott	PM-960920-0	9/20/96 Weekly Report - Week Ending 9/20/96
C962370-00-O Glen Truelove 9/30/96 Bidders Questions for IFB EJ-250	C962369-00-O	Armin Vogt	PAR-003	9/11/96 Request for Information (RFI) # PAR-003 - Anchorage of the LN2 Tanks
	C962370-00-O	Glen Truelove		9/30/96 Bidders Questions for IFB EJ-250

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962371-00-O	Alan Rohay		11/4/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix E, LIGO Site Low-Frequency Spectorgrams
C962372-00-O	Alan Rohay		11/4/96 Ambient Ground Vibration Measurements at the Livingston, Louisiana LIGO Site - Appendix F, LIGO Site Infrasound Spectra
C962373-00-P	Karen Sandberg		10/18/96NSF Approval for Change Order #1 to P.O. PC186218 with PSI for Geotechnical Monitoring and Testing of the Rough Grading Construction at Livingston
C962374-00-D	*		11/5/96 Technical Direction Memorandum (TDM) HY-9602
	Dennise Gooden	C960144 (inv. #)	10/1/96 Invoice from Compuhope
C962376-00-O	Ray Holder	F-HO-0005	10/2/96 LIGO Louisiana, Field Weekly Report for the Period 9/25/96 to 10/01/96
C962377-00-P	,	PP157708	10/2/96 Contract Extension for Services of Adrienne Harris
	Tim Melott		10/2/96Summary of Bidders Questions to Date
	Warren A. Carpenter	2.3/0073	10/2/96 Transmittal of CDRL 30-D, DRD No. 09
C962379-01-B	· ·	CBI-CT 2.3/0079	11/18/96Coupon Outgassing Test Data, Heat 11L810, Material Code "D" (CDRL 30-D-1, DRD 09)
C962380-00-O		02. 0. 2.0/00.0	10/2/96 Bidders Questions
C962381-00-0		CM-F032	10/2/96 Weekly Construction Activity Report: Hanford Site
C962382-00-O	,	0	10/3/96 Bidders Questions
-	Tom Starr	VO49-PL-282	10/3/96 GNB Valves - Miscellaneous Information
C962384-00-O		V 0 10 1 L 20L	10/4/96 Bidders Questions
C962385-00-O			10/4/96 Bidders Questions
C962386-00-P			10/4/96 Contract Extension for Services of Jon-Michael Whitaker
C962387-00-O			10/4/96 Responses to Bidders Questions and Answers - Addendum #4, IFB EJ-246 for Review
C962388-00-O			10/7/96 Bidders Questions
C962389-00-O		LTC-F0059	10/31/96 Progress Payment Request #3 from Levernier Construction, Inc.
	Michael Johnson	LCI #14	10/28/96Request for Extra Compensation to Upgrade Insulation from Original Bid
C962391-00-O		LEV-F011	10/29/96 Field Work Directive to Levernier Construction, Inc.
C962392-00-O	<u> </u>	LEV-F012	10/30/96 Field Work Directive to Levernier Construction, Inc.
C962393-00-O	,	LEV-F012 LEV-F008-2	10/30/96 Field Work Directive to Levernier Construction, Inc.
	•	LTLVR-F016	· · · · · · · · · · · · · · · · · · ·
C962394-00-O	•	LTLVR-F016	11/1/96 Clarifying the Engineering Reply to Record of Information #39
C962395-00-O	•		11/4/96 Clarifying the Engineering Reply to Record of Information #56
	Michael Johnson	LTLVR-F018	11/4/96 Clarifying the Engineering Reply to Record of Information #55
C962397-00-V	~ ,	VO49-MM-13	9/30/96 LIGO/PSI Monthly Meeting
C962398-00-O	•	F-HO-0005	10/9/96 LIGO Louisiana, Field Weekly Report for the Period 10/2/96 to 10/8/96
C962399-00-V	0 ,	VO49-PL-290	10/9/96 LIGO Building Final Review
C962400-00-O	•	CM-F033	10/9/96 Weekly Construction Activity Report: Hanford Site
C962403-00-E			11/4/96 Notification of Selection of Award for RFP IP-251
C962404-00-E			11/4/96 Notification of Award Selection for RFP IP-251
C962405-00-O	· · ·		10/21/96 Precision Survey of Beam Tube/Vacuum Equipment Interface
	Garilynn Billingsley		11/6/96 LIGO Polishing Defect Specifications
C962407-00-V		DM D0407	11/6/96 Explanation of Escalation Costs in a Fixed-Price Contract with PSI
-	Vickie Gonsalves	DMLP0107	10/9/96 Quotation from Zygo Corporation
C962409-00-V		V049-PL-293	10/11/96GNB Gate Valve Field Inspection
C962410-00-O	,	F-HO-0005	10/16/96 LIGO Louisiana, Field Weekly Report for the Period 10/10/96 to 10/16/96
C962411-00-O	,	CM-F034	10/16/96 Weekly Construction Activity Report: Hanford Site
C962412-00-O	•	F-HO-0005	10/23/96 LIGO Louisiana, Field Weekly Report for the Period 10/17/96 to 10/23/96
C962413-00-O	,	CM-F035	10/23/96 Weekly Construction Activity Report: Hanford Site
-	Tom Starr	VO49-PL-306	10/24/96 GNB Valves - Cycle Test Information
C962415-00-V	Richard Bagley	VO49-PL-320	11/13/96LIGO Vacuum Equipment Hardware Development Schedule
C962416-00-P		03221	10/28/96 Quotation from Northwestern
C962417-00-B			10/29/96 Shipment of Baffles
C962418-00-P	•		11/15/96 Additional Information for the LIGO Advanced Detector R&D Program Proposal (PHY97-00601)
C962419-00-O	•	F-HO-0005	10/30/96 LIGO Louisiana, Field Weekly Report for the Period 10/23/96 to 10/30/96
C962420-00-O	•	CM-F036	10/30/96 Weekly Construction Activity Report: Hanford Site
	McMaster-Carr Supp. Co.	68344	11/1/96 Quotation from McMaster-Carr Supply Company
C962422-00-P		983RTW	11/5/96 Quotation from Texcan Cables, Inc.
C962423-00-P	Monica Sorcelli	78150	11/5/96 Quotation from Nor-Cal Products, Inc.
C962424-00-P	Richard Turrietta	N26876D	11/5/96 Quotation from Los Angeles Label Co.
C962425-00-P	Richard Turrietta	N26875D	11/5/96 Quotation from Los Angeles Label Company
C962426-00-P	Lew Brown	Q1939	11/5/96 Quotation - Photon Inc.
C962427-00-O	Ray Holder	F-HO-0005	11/6/96 LIGO Louisiana, Field Weekly Report for the Period 10/30/96 to 11/06/96
C962428-00-O	Karl Drobny	CM-F037	11/6/96 Weekly Construction Activity Report: Hanford Site

Document No	Full Name	ContractorDocNo [Doc Dt Full Title
C962429-00-V	Paul Hendry	CDRL No. 09-12	11/15/96 Monthly Status Report (CDRL 09-12)
C962429-00-V	Richard Bagley	CDRL No. 09-12	11/15/96Monthly Status Report (CDRL 09-12)
C962430-00-O	Ray Holder	684500 (inv. #)	11/7/96 Invoice - PSI Environmental Geotechnical Construction
	Tom Starr	V049-VMM-5	10/3/96 Meeting Minutes of 5 September 1996 at GNB
	Tom Starr	V049-VMM-6	10/3/96 Meeting Minutes of 18 September 1996 at GNB
C962434-00-V	J.B. Turpin		10/3/96 Gate Adjustments
C962436-00-B	Marty Tellalian		9/30/96 Preliminary Investigation of the State of Stress in the Horizontal Cables During Bake Out
C962437-00-B		96092000001, Rev. 0	9/24/96 Report of Materials Analysis - 2-propanol Used as a Wash Solvent
C962438-00-P			9/18/96 Unbrako High Strength Cap Screws
C962439-00-D	Dr. Chris Walsh	CB00218	9/24/96 Bidders Questions for RFP IP-251
C962440-00-B			9/24/96 Emergency Change Notices #001, #002
C962441-00-B	Lance Buboltz		9/27/96 Beam Tube Storage Status
C962442-00-B	Ron Johnson		9/27/96 Non-Conformance Reports (NCRs) #013 and #014
C962443-00-B	Curt Crist		9/13/96 Order Confirmation
C962444-00-D			9/16/96WYKO 12" Interferometer
C962445-00-D	Dr. Chris Walsh		9/18/96 Bidders Questions for RFP IP-215
C962446-00-O	Karl Drobny	LTLBTE-F005	11/5/96 Second Postponement of the Beam Tube Enclosure Installation Start Date
C962447-00-O	·	LTC-F0060	11/5/96 Transmittal of Progress Payment Request #07 from Acme Materials and Construction for Period 9/25 - 10/25 1996
C962448-00-O			10/25/96 Certified Payroll & Compliance Statement for Levernier Construction, Inc.
C962449-00-O	Karl Drobny		11/5/96 Minutes for Construction Meeting #12
C962450-00-O	-	PAR-L077	10/31/96 Application for Payment for Work through 9/25/96
C962451-00-B	Lance Buboltz	CBI-CT 2.2/0166	11/4/96 Transmittal of Signed TDM 96-014B
C962452-00-V	Richard Bagley	V049-PL-314	11/7/96 Prototype BSC Data Review Package - CDRL 11
C962453-00-P			6/10/97 Baseline Budget and Schedule for University of Florida (UOF)
C962457-00-O	Demco	8008083301	11/1/96 Invoice for Service through 11/1/96
C962458-00-O	Karl Drobny		11/11/96 Minutes of Beam Tube Erection, Pre-Construction Meeting #1 held 30 October 1996
C962459-00-O	Karl Drobny	LTC-F0061	11/11/96 Payment Request for Field Work Directive RSI-F012, Submitted by Rogers Surveying, Inc. for Verifying Precision Survey of the Beam Tube and Vacuum Equipment Interface
C962460-00-O		962266 (inv. #)	11/1/96 Invoice from Rogers Surveying, Inc. for Surveying Services
C962461-00-O	Tim Melott	961112-0	11/12/96Warehouse Submittals: Metal Building 069-13122-0; Metal Building Foundation 072-13122-0; Underground Waste and Vent at Warehouse 083-15400-0
C962462-00-D		0005724	11/3/96 Invoice from Australian National University
C962463-00-V	David Mc Williams	V049-PL-317	11/11/96 Copy of the PNEUROP Test Procedure
C962464-00-V	Richard Bagley	VO49-PL-324	11/16/96 Detail Manufacturing and Vendor Schedules
C962465-00-O	Karl Drobny		11/7/96 Certified Payroll & Compliance Statement for Levernier Construction, Inc.
C962466-00-O	Karl Drobny	LTLVR-F019	11/14/96 Well #2, Water Analysis Reports from Shannon & Wilson and Westinghouse (DOE) for Hanford
C962467-00-O	Karl Drobny	LTACME-F0033	11/6/96 Scheduled Start Date for the Beam Tube Enclosure Erection Postponed Until Further Notice
C962468-00-P	-		11/18/96 Quotation for Sammi Software and Services from Kinesix
C962469-00-U		PAW1118W.06E	11/18/96 Quotation from Gateway 2000
C962470-00-O	Ray Holder		11/18/96 Settlement Survey - Settlement Readings for 11/18/96
C962471-00-O	*		11/18/96 Client Project Assessment
C962472-00-O	Kenneth Adkins	1155-7 (inv. #)	11/8/96 Invoice for Period Ending 18 October 1996
C962473-00-O	Jan Szwed	8580 (inv. #)	11/13/96 Invoice from Stranco - Request for Payment #10 for Substantial Completion through 11/12/96
C962474-00-O	Karl Drobny	CM #13	11/19/96 Minutes for Construction Meeting #13
C962475-00-O	Karl Drobny	LTLVR-F020	11/18/96 Review Comments to Levernier's Project Safety and Health Plan
C962476-00-O	Karl Drobny	LTC-F0062	11/19/96 Progress Payment #4 (Interim) from Levernier Construction, Inc.
	Dept. of Trans.& Devlp - LA	713-32-0100	10/16/96 State of Louisiana Department of Transportation and Development (DOTD) - Construction Proposal for Department of Economic Development, LIGO Access Road
C962478-00-B	Lance Buboltz	CBI-CT 2.2/0168	11/13/96 Project Status Review Data Package - CDRL #25k
C962479-00-B	Lance Buboltz	CBI-CT 2.2/0167	11/8/96 Transmittal of Signed TIM-021/022/023/024A
C962480-00-O	Richard Simoneaux	A-8891-RLS	11/21/96 Proposal for Insulation of 49" ida. Beam Tubes - Hanford and Livingston
C962481-00-O	S. J. Clark	00580411 (inv. #)	11/21/96 Fee Invoice for Period Ending 1 November 1996
C962482-00-O	S. J. Clark	00580413,415,416	11/21/96 Invoices for Period Ending 1 November 1996
C962483-00-B	Lance Buboltz	CBI-CT 2.2/0171	11/20/96 Baffle Installation Procedure
C962484-00-B			11/18/96 Project Status Review Meeting Minutes, 13 November 1996 (CDRL 40i, DRD 19)
C962485-00-B	Lance Buboltz	CBI-CT 2.2/0169	11/19/96 Invoice (WBC-3352) for Developmental Tasks
C962486-00-P		334116 (inv. #)	10/22/96 Invoice from MIT for Period 9/1/96 - 9/30/96
C962487-00-D		1508 (inv. #)	9/30/96 Invoice from Lightwave for Period September 1-30, 1996
C962489-00-D	Amy Andren	1524 (inv. #)	11/23/96 Invoice for October 1996
C962490-00-D	•	` '	11/15/96 Request for Confirmation of Invoices
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962491-00-D	Amy Andren		11/24/96 Monthly Status Report, October 1996
C962492-00-B	Lance Buboltz	CBI-CT 2.2/0174	11/26/96 Washington Installation Schedule, Notification for Beam Tube Cover Placement
C962493-00-B	Lance Buboltz	CBI-CT 2.2/0173	11/26/96 Washington Installation Schedule, Response to Caltech memo of 21 November 1996
C962494-00-O	Karl Drobny	ACME-F-016	11/25/96 Field Work Directive for Acme Materials & Construction, Inc.
C962495-00-O	Ernie Stoops		11/18/96 Meeting Minutes for Pre-Construction Meeting #1 on 14 November 1996
C962496-00-O	Tim Melott	961125-0	11/25/96 Maintenance Matrix for the Hanford LIGO Facility
C962497-00-O	Karl Drobny	SEC-F01	11/25/96 Field Work Directive for B & W Protect, Inc. for Sensor Activated Alarm Systems for Trailers at Construction Site
C962498-00-O	Karl Drobny	LTLBTE-F007	11/27/96 Schedule Change for Mobilizing Manpower for Erecting Beam Tube Enclosures (BTE)
C962499-00-D	Ramin Lalezari	016574 (inv. #)	11/21/96 Invoice from Research Electro-Optics, Inc. for Optics Coating
C962500-00-D	William O. Miller	LIGO-113 (inv. #)	11/27/96 Invoice from Hytec
C962502-00-P	Ed Jasnow		11/8/96 Tax Exclusion from the State of Louisiana
C962503-00-B	Larry Jones		11/8/96 Technical Information Memorandum (TIM) 021
C962504-00-B	Larry Jones		11/8/96 Technical Information Memorandum (TIM) - 022
C962505-00-B	Larry Jones		11/8/96 Technical Information Memorandum (TIM) 023 - Coordinates of the Beam Tube-Vacuum Equipment Interface Brass Markers
C962506-A-B	Larry Jones		11/8/96 Technical Information Memorandum (TIM) 024A - Policy for Handling Abnormalties in Tube Section Cleaning Performance
C962507-00-R	Irena Petrac		11/7/96 P.O. PC217149 with University of Florida - Collaboration with CIT/MIT
C962507-01-R	Irena Petrac		1/17/97 Change Order #1 for P.O. PC217149 with University of Florida
C962508-00-R	Irena Petrac		11/7/96 Statement of Work and Supporting Contract Documentation for P.O. PC217149 with University of Florida
	Garilynn Billingsley		11/11/96 TAMA Presentation
C962510-00-D	Garilynn Billingsley		11/11/96 Options
C962512-00-O			11/14/96 Review of Levernier Safety Plan (LIGO-C962322-00-O)
C962513-00-B	*		11/14/96 Technical Direction Memorandum (TDM) 96-020 - Response to CDRLs
C962515-00-B	· ·		11/15/96 Technical Information Memorandum (TIM) -25 - Suggested Method for Attaching Met One Particle Coutner to the BDF Manifold
	Larry Jones		11/21/96 Technical Information Memorandum (TIM) 025A - Suggested Method for Attaching Met one paritcle Counter to the BDF Manifold
	Larry Jones		2/27/97 Technical Information Memorandum (TIM) 025B
	Tina Lowenthal		11/19/96 Contractor's Interface Agreement
-	Doug Jungwirth		11/19/96 P.O. PC218287 with CC Design Development Company - Provision of RTS Scanner
	Tina Lowenthal		5/19/97 Change Order #2 for P.OPC218287 with CC Design Development Co.
	Tina Lowenthal		6/10/97 Change Order #3 for P.O. PC218287 with CC Design Development Co.
-	Doug Jungwirth		11/19/96 P.O. PC218288 with DMK Engineering - Provision of RTS Scanner
C962521-00-O			11/22/96 Notice of Award, Contract #PC214119 (LIGO-C962218-00-O), LIGO Building and Infrastructure, Livingston
C962522-00-O			11/22/96 Notice of Award, Contract #PC214120 (LIGO-C962219-00-O), LIGO Concrete Slab and Precast Enclosures, Livingston
C962523-00-B	*	1 = 1 (0 0 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11/21/96 Recent Delays in WA Installation Schedule
	Lawrence J. Olsen	4-FW83-1 (inv. #)	11/14/96 Invoice from University of Wisconsin-Milwaukee for the Period 8/1/96 through 10/31/96
C962525-00-O	D 1 1/ D 1/		8/9/96 Addendum No. 1 to IFB No. EJ-246, Building(LIGO-C961605-00-O) and IFB No. EJ-250 (LIGO-C961610-00-O)
	Randy VanBrocklin		11/20/96 Unilateral Non-Disclosure Agreement with Corning
	Dr. Carol Langguth	10010.01	11/22/96 NSF Approvals of the Subcontract for the Construction of the Concrete Slab and Precast Beam Tube Enclosures and the Civil Construction of LIGO in Louisiana.
C962528-00-P		16312-01	11/8/96 Quotation - Express
	Warren A. Carpenter	CDRL No. 30-E	11/7/96 Coupon Outgassing Test Data Heat 11L488, Material Code "E", DRD No. 09, CDRL No. 30-E
C962529-01-B C962530-00-P	Tom Bearce	CBI-CT 2.3/0079 11004919	11/18/96 Coupon Outgassing Test Data, Heat 11L844, Material Code "E" (CDRL 30-E-1, DRD 09) 11/6/96 Quotation - Ellsworth
	Teri Carroll	212316	11/6/96 Quotation - Elisworth 11/6/96 Quotation - Physical Electronics Inc.
C962531-00-P		VO49-MM-15	11/6/96 Vibration/Noise Shock Analysis and BSC Prototype Data Review Meeting Minutes for 5 December 1996 (CDRL 8-15)
C962533-00-V	0 ,	LTC-F0063	12/2/96 Progress Payment Request No. 8 from Acme Materials & Construction, for Period 26 October, 1996 through 25 November, 1996
C962534-00-O	•	L10-10003	11/25/96 BTE Units Approved for Shipments
	Michael Johnson		11/26/96 Weather Impact on Schedule at Hanford
C962536-00-O			12/2/96 LVEA Technical Foundation Procedure
C962537-00-D	*		12/2/96 PO's fro the SEI Hardware
	Garilynn Billingsley		11/26/96 Teleconversation with CSIRO and Current Status
C962540-00-D			11/27/96 Follow-Up to Teleconversation Summary (LIGO-C962539-00-D)
C962541-01-P			2/21/97 Change Order #1 for P.O. PC218731 with Ray Beausoleil
	Garilynn Billingsley		12/3/96 Technical Direction Memorandum (TDM) 96-001 - Substrate Material
C962543-00-V		96110018	11/27/96 Invoice - PSI, dated 27 November 1996, for LIGO Vacuum Equipment Design, Fabrication, Installation, and Test (Phase B)
C962545-00-P		35115310	12/3/96 Change Order #4 for P.O. PC167159 - Version Currently in Review by CSIRO Counsel
C962546-00-B			12/5/96 Technical Information Memorandum (TIM) 026
	Ralph M. Parsons Company		12/4/96 LIGO LVEA Expansion Study - Draft
C962550-00-O		LTC-F0064	12/4/96 Progress Payment Request No. 5, From Levernier Construction, Inc., For Period of Performance From 26 October, 1996 Through 25 November, 1996
		2.0.3001	

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962551-00-B	Lance Buboltz	CBI-CT-2.2/0175	12/2/96 Hanford Site Safety
C962552-00-B	Larry Jones		12/9/96 Technical Direction Memorandum (TDM) 96-021 - Response to CBI RFI #23
C962553-00-O			11/18/96LIGO Safety Device - Concept Draft
C962553-01-O			11/25/96 LIGO Safety Device - Final Draft
C962553-A-O			12/2/96LIGO Safety Device - Rev. A
C962554-00-O		1756-12	12/3/96 Panel Width
	Levernier Construction		11/27/96 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Sub-Contractors
	Michael Johnson	LEV-F012	11/21/96 Field Work Directive for Levernier Construction and Invoice for Same
C962557-00-O			11/14/96 Steel Fabrication Shop Site Inspection
C962558-00-O			12/3/96 Quotation - Purswell's Pump Co.
C962559-00-V	Richard Bagley	VO49-LP-321	11/15/96 PSI Monthly Status Meeting Agenda for 21 November 1996
	Carole L. Bowers	3814-00	11/13/96 Quotation - Electron Energy Corporation
	Garilynn Billingsley	001100	12/9/96 Sample Data Sheet
	Garilynn Billingsley		12/9/96 Discrepant Material
	Lightwave Electronics Corp	1508 (inv. #)	9/30/96 Invoice from Lightwave Electronics for Period 9/1/96 through 9/30/96
	Michael Johnson	1000 (11/21/96 Schedule Extension Request for Bad Weather
	Michael Johnson		11/21/96 Levernier Change Proposal #09
C962570-00-O			12/3/96 Invoice from Demco for Period 11/01/96 - 12/03/96
C962571-00-O		LEV-F016	12/11/96 Field Work Directive to LCI - Additional Scope of Work Authorization
	Michael Johnson	2277070	12/5/96 Unavailability of Wall Panel and Resulting Scheduling Changes
	Gilbert P. Beckett	WBC-3371 (inv. #)	12/5/96 Invoice Milestone Payment, CBI-CT-2.2/0176 - Complete Leak Check Tubes 51-100, CBI-CT-2.2/0176
C962574-00-O		WELL #3	12/9/96 Field Work Directive to Pursell's Pump Co Establish Water Pumping Rate for LIGO Hanford Well #2
C962575-00-O	•	WEEL NO	12/10/96 Minutes for Construction Meeting #15, 4 December 1996
C962576-00-O	,	LEV-F015	12/9/96 Field Work Directive for Levernier Construction Inc Additional Scope of Work
C962577-00-O	·	2277010	12/5/96 LVEA Equipment Foundation Procedures
	Michael Johnson		11/25/96 Response to Caltech's Comment on Safety and Health Plans
C962579-00-O		LTLVR-F022	12/6/96 Contract Extension Because of Inclement Weather
C962580-00-B	•	CBI-2.2/0178	12/11/96 Request for Information (RFI) #23 - Pump Port Hardware Installed Configuration
C962581-00-B	•	CBI-CT 2.2/0177	12/10/96 Project Status Review Data Package (CDRL 25L, DRD 04), 10 December 1996
C962582-00-B		CBI-CT 2.2/0180	12/12/96 Project Status Review Meeting Mintues for 10 December 1996 (CDRL 40j, DRD 19)
C962583-00-B		02. 0. 2.2,0.00	12/17/96 Material Analysis
C962585-00-O		CM-F043	12/11/96 Weekly Construction Activity Report for Hanford
C962586-00-B	· ·	J 1 0 10	12/18/96 Installation Issues
C962587-00-O	,		12/16/96 Design Options for LIGO Bakeout Power
C962588-00-O		LTLVR-F024	12/13/96 Time Extension and Compensation for Late Arrival of the Metal Wall Panels
C962589-00-O	•	WELL #4	12/12/96 Field Work Directive for Waterwell Developing & Survey - Video Coverage of Water Well #2
C962590-00-V	•	CT064	12/18/96 Transmittal of Specification for Viton Vacuum Bakeout
C962591-00-O	0 /	961218-0	12/18/96 Transmittal of Helser Industries LIGO Lifting Device Drawings (3 sheets)
C962592-00-O		LEV-F0067	12/19/96 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F005
C962593-00-O	•	LTC-F0066	12/19/96 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F003
C962594-00-O	•	LTC-F0068	12/19/96 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F008-2
C962595-00-O	•	LTC-F0069	12/19/96 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F009
C962596-00-O	•	LTC-F0070	12/19/96 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F010
C962597-00-O	•	120-056-00	12/11/96 Invoice from Benton County Public Utility Distribution (PUD) for Period 11/08/96 thru 12/10/96
	Professional Services Inds.	695605 (inv. #)	12/6/96 Invoice from PSI - Livingston
C962600-00-O			12/12/96 Notice to Proceed for Contract PC214120 with Woodrow Wilson Construction Company, Inc.
C962602-00-O			12/16/96 Notice to Proceed for P.O. PC214119 with Hensel Phelps Construction Co.
C962604-00-O			12/10/96 Transmittal of Executed Contract PC214119 (LIGO-C962218-00-O), Building and Infrastructure Construction at Livingston
C962608-00-E			11/20/96 Change Order #4 for Contract PC167159 with CSIRO - For Review and Concurrence
-	McMaster-Carr Supp. Co.	84445	11/14/96 Quotation - McMaster-Carr Supply Company
C962611-00-P	• • • • • • • • • • • • • • • • • • • •	32	11/13/96 Quotation - Scientech, Inc.
	McMaster-Carr Supp. Co.	81801	11/13/96 Quotation from McMaster-Carr Supply Company
C962613-00-O		CM-F038	11/13/96 Weekly Construction Activity Report: Hanford Site
C962614-00-P	,	ZDP000-5	11/13/96 Invoice from International Science Foundation
C962615-00-O			11/11/96 Settlement Survey - Monitor Settlement Plates, FWD RG006
C962616-00-V	· ·	VO49-PL-313	11/71/96 GNB Gate Valve Issues
	Ray Holder	F-HO-0005	11/13/96 LIGO Louisiana, Field Weekly Report for the Period 11/06/96 to 11/13/96
	nay i iuluci	1 -1 10-0003	11/13/34LIOO Louisiana, i leiu Weeniy Nepoit Ioi tile Feliou 11/13/30

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962618-00-P	Brian Stipanovich	D111196C	11/11/96Quotation - Parity Systems, Inc.
C962619-00-P	Tim Rasmussen	111296122741	11/12/96 Quotation - Datalink
C962620-00-P	Linda McCabe	16312-02	11/11/96 Quotation - Express
C962621-00-P	Australian Nationl University	227040 (inv. #)	10/29/96 Invoice from Australian National University (ANU) for Period 7/13/96 through 10/12/96
C962622-00-B		CBI-CT 2.2/0181	12/16/96 Transmittal of Signed TIM-019 and TIM-026
C962623-00-O	Karl Drobny	LEV-F017	12/20/96 Field Work Directive for Levernier Construction, Inc.
C962624-00-O			12/27/96 Minutes for Construction Meeting #17
C962625-00-O		LTLVR-F028	12/26/96 Denial of Change Order Request from Graham Steel and Pacific Erectors for Girt Connection Details
C962626-00-O		LTC-F0071	12/20/96 Invoice Statement #1605 from Shannon & Wilson, Inc. for QA Services from 27 October 1996 through 22 November 1996
C962627-00-O			12/27/96 Minutes for Subcontractors Meeting No. 9 on 19 December 1996
C962628-00-O	·	LTC-F0067	12/19/96 Progress Payment Request From Levernier Construction, Inc., for FWD No. LEV-F005 and LEV-F005-1
C962629-00-O		LTC-F0072	12/30/96 Progress Payment Request No. 09 from Acme Materials & Construction, for Period 26 November, 1996 Through 25 December, 1996
C962630-00-O		LTC-F0073	12/31/96 Payment Request for FWD No. Acme-F-016-1 from Acme Materials Construction, to Provide Engineering and, Material Necessary for Adding a Safety Lifting Device for Erecting the Beam Tube Enclosures
C962631-00-O		LTLVR-F029	12/31/96 RSI Survey Results for the LVEA Grade Beam and Top Edge of Technical Slab Metal Forms
C962632-00-O	•	LCI No. 20	12/16/96Wall Panel Substitutions
C962633-00-O		201110.20	12/20/96 Certified Payroll & Compliance Statement for Levernier Construction, Inc.
C962634-00-V			12/30/96LIGO Monthly Status Report (CDRL 09-13)
C962634-00-V			12/30/96LIGO Monthly Status Report (CDRL 09-13)
C962635-00-P	<u> </u>		12/30/96 ElGO Monthly Status Report (CDRL 09-13) 12/18/96 Recording of LIGO Contracts with Livingston Parish Clerk
-	Tina Lowenthal		1/8/97 Request for Proposal (RFP) TL-261, Surveying Support, LIGO Site in Livingston
C962637-00-O			1/8/97 Request for Proposal (RFP) TL-261, Surveying Support, LIGO Site in Livingston 1/8/97 Request for Proposal (RFP) TL-262 - Quality Assurance Testing and Reporting for the Beam Tube Enclosure (BTE) and Support Slab at Livingston
	Garilynn Billingsley		
	, , ,		12/18/96 Discrepant Materials
	Garilynn Billingsley		12/18/96NSF Verbal Approval of "Concept"
C962640-00-D			12/19/96NSF Approval Options
C962641-00-D			12/19/96NSF Approval Options
C962642-00-O			12/19/96Completion Request of Rough Grading Contract of Stranco, Inc. at the Livingston Site
	Garilynn Billingsley		12/19/96Update of Drawings Release
	Garilynn Billingsley		12/20/96Technical Direction Memorandum (TDM) 96-002
C962645-00-O	· · · · · · · · · · · · · · · · · · ·		12/18/96Minutes for Subcontractors Meeting #8 on 11 December 1996
C962646-00-O		. T / D. T	12/18/96Minutes for Construction Meeting #16 on 11 December 1996
C962647-00-O	•	LTLVR-F025	12/18/96 Adverse Weather Conditions During the Month of November 1996
C962648-00-O		LTLVR-F026	12/19/96 Time Extension and Compensation for Late Arrival of the Metal Wall Panels
C962649-00-O	,	LTLVR-F027	12/19/96 Added Cost for Cutting Concrete Masonry Blocks to Clear the Interference Between Conduits and Wall at the Southwest Arm Mid and End Station
C962650-00-B		CBI-CT 2.2/0190	12/19/96Invoice Milestone Payment
C962651-00-O			12/20/96List of Subcontractors and Material Suppliers
C962652-00-O			9/17/96 Minutes for Contractor's Interface Meeting #1 on 10 September 1996
C962653-00-O	•		12/20/96 Beam Tube Enclosure Segments Erection Meeting Minutes for 18 December 1996
C962654-00-O		RSI-014	12/20/96 Field Work Directive to Rogers Surveying, Inc.
C962655-00-0		LCI #19	12/16/96 Change Order Requests from Graham Steel and Pacific Erectors for Girt to Column Braces
C962666-00-P			12/27/96 Advance Copy of Supplement #4 of Work Order Authorization for QA Support with JPL
C962667-00-B		CBI-CT 2.2/0182	12/16/96 Change Order Request 010 - Cleaning Caltech Supplied Baffles
C962668-00-D			12/30/96 Technical Questions
C962669-00-D	•		12/30/96 Monthly Status Report
	Irena Petrac		12/20/96 Duty-Free Import/Fused Silica/Australian Polishing
C962671-00-P		269177.00	11/25/96 Quotation from Varian Vacuum Products for Ion Pump Controller
C962672-00-P		25586	11/25/96 Quotation from McMaster-Carr
C962673-00-O	Bill Byrd		11/14/96 Financial Statements Audit for Stranco
C962674-00-O			12/9/96 Franklin County P ersonal Property Listing/Assessment
C962675-00-B	Larry Jones		12/31/96 Installation Record Drawings
C962677-00-B	Lance Buboltz	CBI-CT 2.2/0172	12/3/96 Transmittal of Signed TDM 96-019, 96-020 and TIM-025A
C962678-00-O	Kenneth Adkins	1155-08	12/19/96 Invoice from ABMB Engineers Inc. for Period Ending 29 November 1996
C962679-00-O	Jim Allen	PAR-L084	12/26/96 Safety Lifting Device Cost Breakdown
C962680-00-O	Michael Johnson	LEV-016	12/11/96 Cost Proposal for Field Work Directive (FWD) LEV-016
C962681-00-O	PURSWELL'S PUMP CO.		12/11/96Well Pump Test Data
C962682-00-O	PURSWELL'S PUMP CO.		12/12/96 Well Pump Bid
C962683-00-O			12/20/96 Inspection Report for End and Mid Station B
	PURSWELL'S PUMP CO.		12/6/96 Well No. 2 Reference Data
-		1	

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
	Richard Bagley	CT061	12/13/96 Transmittal of Final Design Review Package, Volumes 1 through 4
C962686-00-O		ACMEF016-1	12/5/96Field Work Directive
C962687-00-O	, , , , , , , , , , , , , , , , , , ,	LEV-F014	12/5/96 Field Work Directive
C962687-01-O	-	LEV-F014-1	7/22/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C962688-00-O	-	LEV-F013	12/5/96Field Work Directive
C962689-00-O	•	SWSRS-001	11/8/96Field Work Directive
	California Institute of Tech.	CHOILE GOT	10/10/96Planholders List and Monies Received for IFB EJ-246 and IFB EJ-250
C962691-00-O			12/12/96 Minutes of Preconstruction Meeting 12/12/96 with Woodrow Wilson Construction Company
C962692-00-O	*		12/17/96Minutes of Preconstruction Meeting with Hensel Phelps Construction Company
C962693-00-D	*		7/25/96 Monthly Status Report, JUNE 1996
	,		9/26/96 Monthly Status Report, AUGUST 1996
C962695-00-D	,		10/29/96 Monthly Status Report, SEPTEMBER 1996
C962696-00-P	Irena Petrac		12/11/96No Cost Extension for P.O. PP045667
C962697-00-O	Karl Drobny	LTLBTE-F006	11/22/96 Official Notification to Mobilize the Crane for Erecting Beam Tube Enclosure
	Warren A. Carpenter		12/4/96 Coupon Outgassing Test Data - Heat 11M972, Material Code "F" (CDRL 30-F, DRD 09)
C962699-00-O	Mel Weingart	960304-0	3/4/96 Project Status Report, 6 March 1996 (CDRL 05, DRD 02)
C962700-00-P		HQ27474	3/5/96 Quotation from Edwards High Vacuum International for Roughing Pump and Main Turbo Cart
	Garilynn Billingsley		3/7/96 Agenda for CSIRO Certification Review, 11-12 March 1996
-			3/1/96 Technical Information Memorandum (TIM) 005 - Response to RFI #8 and RFI #10
C962703-00-O	Sandy Hoyt		5/22/96 Pre-Bid Questions
C962704-00-O	Karl Drobny	LTACME-F0018	6/17/96 LIGO Project, Hanford, Washington. Submitted Cost Proposal for Field Work Directive No. ACME-F-0011, for Excavating Soil in the Cut Locations for the Revised Duct Bank Routing at the Southwest Arm Mid Station and at the Northwest Arm Mid Station and at the Northwest Arm Mid Station and
C962705-00-O	Karl Drobny	ACME-F-012	6/17/96 Field Work Directive for Acme Materials & Construction Co.
C962706-00-O	Karl Drobny	LTACME-F0019	6/17/96 Submitted Cost Proposal for Field Work Directive No. ACME-F-0012, for the Supply and Installation of Electrical Pull Boxes and for Installing the Added Duct Bank Routing
C962707-00-O	Michael Johnson		12/23/96 Cost Proposal from Watts Construction to Reduce Water Pipe from 6 Inch to 4 Inch Pipe
C962708-00-O		083-15400-0	10/30/96 Underground Waste and Vent Shop Drawings for Warehouse.
C962709-00-O	Tim Melott	961009-1	10/9/96 Mainenance Building Sketches
C962710-00-B	Larry Jones		10/29/96 Baffle Locations at Hanford
C962711-00-B	Tim Lambert		10/29/96 Report of Materials Analysis - Analysis of Two Liquid Samples for Nonvolatile Residue Content
C962712-00-P		10149(C)	10/29/96 Quotation from Ceramaseal
C962713-00-V	Richard Bagley	V049-PL-307	10/25/96 Cambridge Acoustical Associates Data for the Prototype Vessel Data Review
C962714-00-O	Ara Arman		10/24/96 Advance Notice to Contractors for LIGO Access Road in Livingston
C962715-00-O	Tim Melott	PM-9610232-1	10/22/96 Record of Telephone Conversation with Prof. Richard Finno Re. Livingston Settlement
	Richard Bagley	V049-PL-304	10/23/96 Change Order Request #21 - Add DPDT Limit Switches to the Large Electric Gate Valves
C962717-00-A			10/23/96 Solication of Business Services for Environmental Restoration
C962718-00-B	Cecil Franklin		10/23/96 Weekly Report from Big Pasco
C962719-00-O			10/23/96 Certification of Compliance from McMaster-Carr
	Richard Riesen		10/22/96 Weekly Report from Hanford
C962721-00-O			10/22/96 Louisiana Project Experience
C962722-00-O			10/22/96 Drawing of Settlement Plate Detail
C962723-00-B			10/22/96 Process Flow Schematic from the BDF Mfg(Air Flow)
	Gilbert P. Beckett	CBI-CT 2.3/0075	10/21/96Nonconformance Report (NCR) #19 - GNB Valve S/N 001
C962725-00-P		Q1911a	10/18/96 Quotation from Photon, Inc. for Beam Profiler System
C962726-00-B		1/0.40 BL	10/18/96Report of Materials Analysis - Analysis of Two Liquid Samples for Nonvolatile Residue Content
	Richard Bagley	V049-PL-303	10/21/96 Agreement with CBI NCR #19 re. GNB Valve
C962728-00-O	•		11/14/96 Confirmation of Contract Specifics for Auditors' Use
	William O. Miller		11/14/96 Expense Summary Associated with Coiled Spring Development
C962730-00-P			11/13/96 Prospective Optics Carrier Assembly Machine Shop Vendor
C962731-00-B			11/12/96Weekly Activity Report from Big Pasco
	William O. Miller		11/13/96 Bellows TO Input 44/43/96 Beart of Material Analysis of One Limited Seconds for New yeletile Besidus Content
			11/13/96 Report of Material Analysis - Analysis of One Liquid Sample for Nonvolatile Residue Content
-			11/12/96 Test Result Data Sheets for Serial #170 and #192
C962735-00-D			11/12/96 Shipment of Quartz Windows Coated
C962736-00-O			11/12/96 Request to Coat Steel Samples for Baffles
C962737-00-O	JIM WIFE		11/12/96 Sketch of Adaptor Flange
C962738-00-D	Llone Makele		11/12/96 Material Safety Data Sheet (MSDS) for Marinite P
C962739-00-P	· ·	LUE 00 0040	11/12/96 Invoice from Computope for 10/27/96 - 11/9/96 11/12/96 Invoice from Computope for 10/27/96 - 11/9/96 11/12/96 Invoice from Computope for 10/27/96 - 11/9/96
C962740-00-D	Lew Fagan	LHF-96-2342	11/11/96 Proposal #PF19-0006, Follow-On Proposal for Polishing of LIGO Mirror Blanks

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C962741-00-D	Dale Ness		11/8/96 Coating Uniformity Data
C962742-00-P	John Kruezek		11/8/96 Indirect Cost Agreement between the University of Florida and the Department of Health and Human Services for the Period 7/1/94 through 6/30/97
C962743-00-V		V049-PL-315	11/8/96 Hydrocarbon Analyzers
C962744-00-B		CBI-CT 2.3/0078	11/7/96 Configuration Pages of Qualification Test for Beam Tube Installation
C962745-00-B	•		11/6/96Report of Material Analysis - Analysis of One Liqud Sample for Nonvolatile Residue Content
C962746-00-D			11/6/96 Confirmation of Delivery Lead Time
C962747-00-B			11/4/96 Report of Materials Analysis - Analysis of Three Liquid Samples for Nonvolatile Residue Content
C962748-00-D			11/2/96HYTEC Monthly Status Summary for October 1996
C962749-00-D		LIGO-112	10/31/96 Invoice from Hytec, Inc
C962751-00-B		2.00 1.12	10/31/96 Weekly Report for Big Pasco
C962752-00-B			10/30/96Report of Materials Analysis - Analysis of Three Liquid Samples for Nonvolatile Residue Content
C962753-00-B		CBI-CT 2.3/0076	10/30/96 Emergency Change Notices
C962754-00-P	Waity Tollandii	ODI OT 2.0/0070	10/29/96 Standard Material Certification (SMC) for CV-2510
	Warren A. Carpenter	CBI-CT 2.3/0079	11/18/96 Transmittal of CDRLS
C962756-00-D	· ·	OBI O1 2.3/0073	11/21/96 STACIS and Air-Bearing Pads
C962758-00-B			11/19/96 Weekly Report for Big Pasco
	David Mc Williams	V049-PL-326	11/19/96 Large Conflat Part Numbers
C962760-00-D		LHF-96-2308	10/1/96 Intent to Submit Proposal for RFP IF-251, Polishing of LIGO Mirror Blanks
	•	Li 1F-90-2300	10/18/96 Solicitation for Business
C962761-00-O			10/18/99 Solicitation for Business 10/17/96 LIGO Stack Design Status
C962762-00-D		OPT-1471R-101696	· · ·
C962763-00-P			10/17/96 Quotation for Coatings - Research Electro-Optics, Inc.
-	David H. Broussard	IFB-EJ-250	10/16/96 References for Woodrow Wilson
C962765-00-D	•		10/16/96 Mechanical Design for RTS Scanner to Detect Flaws and/or Quality of Optical Elements
C962766-00-D		VO 40 10 4 4 4	10/16/96RTS Scanner Proposal
C962767-00-V	ŭ ,	VO49-MM-14	10/16/96 LIGO/PSI Schedule Meeting
	Thomas L. Williams	VO 40 DI 007	10/15/96 Hensel Phelps Asset/Liability Balance Sheet
C962769-00-V	The state of the s	VO49-PL-297	10/15/96 Mark-Up of Payment Milestones; Contract Article III
	Dennise Gooden	VO 40 DI 000	10/15/96 Invoice - Compuhope
C962771-00-V	· ,	VO49-PL-296	10/14/96BSC Bakeout Data
C962772-00-P	· · · · · · · · · · · · · · · · · · ·	00.1110.(1(1)	4/4/96 Rate Release for Lightwave
	Cygnus Laser Corporation	96-1116 (Inv.#)	9/30/96 Invoice - Cygnus Laser Corporation
C962778-00-B			10/2/96 Report of Materials Analysis: Analysis of Three Liquid Samples for Nonvolatile Residue Content. Analysis of Nonvolatile Portion of "Mirachem from Scrubber" for Comparison to the Residues
C962779-00-O			10/2/96 Final Results of the Precision Survey Efforts at Hanford
C962780-00-P			12/11/95 Quotation - Price Increase on Conflat Flanges (Nor-Cal Products)
	Joanne Jaramillo		10/3/96 West Coast Porcelain Baffle Container Information
C962783-00-B			10/4/96 Baffles Schedule
C962784-00-B			10/3/96 Report of Materials Analysis: Analysis of Four Liquid Samples for Nonvolatile Residue Content
C962785-00-B			10/4/96 Next 3 Months Project Goals
C962786-00-B			10/4/96 Report of Materials Analysis: Analysis of Three Liquid Samples for Nonvolatile Residue Content
	Jeremy Lancaster		10/7/96 Job Safety Analysis
C962790-00-B			10/7/96 Tube Section Leak Test Report
C962793-00-D			10/9/96 Bid Questions for RFP for Polishing of Mirror Blanks
C962794-00-O	=		10/9/96 Schedule of Rates for Site Inspection
C962795-00-B			10/9/96 Report of Materials Analysis: Analysis of Four Liquid Samples for Nonvolatile Residue Content
C962796-00-O		VO 40 EL 222	10/10/96 Insulation Specifications
C962860-00-V		VO49-PL-232	7/30/96 Edwards High Vacuum Pumps - QA Requirements
C962861-00-B		E 110 0005	11/27/96 CBI Big Pasco Weekly Report - Week Ending 11/26/96
C962862-00-O	*	F-HO-0005	11/27/96LIGO Louisiana, Field Weekly Report for the Period 11/20/96 to 11/27/96
	Dennise Gooden	C960189 (inv. #)	11/26/96 Invoice - Compuhope
C962864-00-P			11/26/96 Quotation - Physical Electronics
C962865-00-O	*		11/26/96 Settlement Survey, Settlement Readings for Nov.25, 1996
C962866-00-P	·	2001-0	10/27/96 Quotation - Pfeiffer Vacuum Technology
C962867-00-P		269176.00	11/21/96 Quotation - Varian Vacuum Products
	Dennise Gooden	C960185	11/20/96 Invoice - Compuhope
C962869-00-O	*	F-HO-0005	11/13/96LIGO Louisiana, Field Weekly Report for the Period 11/14/96 to 11/20/96
C962870-00-O	·	CM-F039	11/20/96 Weekly Construction Activity Report - Hanford Site
C962871-00-O	Kari Drobny		11/19/96 LIGO Hanford Construction Schedule Page for the Northwest Arm End Station

Decument No	Full Name	ContractorDocNo I	Dog D4 Full Title
Document No C962872-00-V		V049-VMM-3.5.5-26	Doc Dt Full Title
-	· ·		1/14/96 Vendor Meeting Minutes for 19 December 1995
C962873-00-V	0 ,	V049-MM-18	1/14/96 Vendor Meeting Minutes for 14 January 1996
	Process Systems Int'l, Inc.	ON 150 40	11/15/96Manufacturing Flow and Inspection Plan - RANOR
C962898-00-O	,	CM-F042	12/11/96 Weekly Construction Activity Report - Hanford
C962899-00-O	•	LTLVR-F023	12/10/96 Emerald City Weatherproofers, Inc. Accident and Fall Protection Program
	Richard J. Finno	DN 004000 4	8/15/96 Passive Earth Pressures fro the LIGO Project at Livingston
C962901-00-O		PM-961023-1	10/22/96 Record of Telephone Conversation with Prof. Finno re. Livingston Settlement
	Russell Swanson	014 50 40	12/20/96 OSHA Interpretation on Practice of Multiple Lift Rigging of Steel Members
C962903-00-P	,	CM-F040	12/2/96 Weekly Construction Activity Report: Hanford Site
C962904-00-P			12/3/96 Quotation - Quality Foam Packaging, Inc.
	Ralph M. Parsons Company		12/2/96 Project Status Review Meeting Agenda - December 10, 1996
C962906-00-O	-	V040 MM 40	12/3/96 Settlement Survey Readings
C962907-00-V		V049-MM-16	12/3/96 Control System Signals and Control Philosophy Meeting Minutes, 14 November 1997
C962908-00-O	•	CM-F041	12/4/96 Weekly Construction Activity Report: Hanford Site
C962909-00-P	,	120496	12/4/96 Quotation - Pfeiffer Vacuum Technology
C962910-00-O	•	F-HO-0005	12/4/96 LIGO Louisiana, Field Weekly Report for the Period 11/27/96 to 12/4/96
C962911-00-P		1296005.XLS	12/4/96 Quotation - Crystal Systems
C962912-00-V		V049-MM-17	12/2/96 Minutes for LIGO/PSI Monthly Status Meeting of 21 November 1997 (CDRL 8-17)
C962912-01-V		V049-MM-17, Rev 1	12/4/96 Minutes for LIGO/PSI Monthly Status Meeting of 21 November 1997 (CDRL 8-17)
C962913-00-V		V049-PL-331	12/11/96 Valve Shock Data/Survey Monument Locations
C962914-00-O	,	F-HO-0005	12/11/96LIGO Louisiana, Field Weekly Report for the Period 12/4/96 to 12/11/96
C962915-00-P		961205	12/11/96 Quotation - Brandywine Communications
C962916-00-O			12/11/96 Settlement Survey Readings
	Klaus Kleinschmidt	V049-PL-332	12/11/96Recommendations for Construction of Vacuum Support Equipment Spaces
C962918-00-D			12/11/96 Polished Blanks Inspection Results
C962919-00-D			12/10/96 Defects in Glass
C962920-00-P	*	310200A	12/4/96 Quotation - Pfeiffer Vacuum Technology
C962921-00-V		V049-PL-333	12/13/96 GNB Schedule
C962922-00-V		V049-PL-334	12/16/96 PSI Manufacturing/Testing Pictures
C962923-00-B	Steve Peters	V049-PL-334	12/17/96 LIGO Expansion Joint Spring Rate Data
C962923-00-B C962924-00-B	Steve Peters Cecil Franklin	V049-PL-334	12/17/96 LIGO Expansion Joint Spring Rate Data 12/17/96 Big Pasco Weekly Report
C962923-00-B C962924-00-B C962925-00-B	Steve Peters Cecil Franklin Curt Crist	V049-PL-334	12/17/96 LIGO Expansion Joint Spring Rate Data 12/17/96 Big Pasco Weekly Report 12/19/96 Baffles
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C962923-00-B C962924-00-B C962925-00-B C962926-00-O C962927-00-P C962928-00-B C962929-00-O	Steve Peters Cecil Franklin Curt Crist Harry Need Mike Gronroos Warren A. Carpenter Karl Drobny	12209601 CBI-CT 2.3/0090, R 0 CM-F044	12/17/96 Big Pasco Weekly Report 12/19/96 Baffles 12/20/96 Preliminary Punchlist for Stranco as of 12/20/96 - Draft 12/20/96 Quotation - Tetrafluor 12/24/96 Coupon Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/31/96 Weekly Construction Activity Report: Hanford Site
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C962923-00-B C962925-00-B C962925-00-B C962926-00-O C962927-00-P C962928-00-B C962931-00-O C962931-00-O C962933-00-D C962935-00-O C962936-00-B C962937-00-B C962938-00-P C962938-00-P C962939-00-B C962941-00-B C962941-00-B C962945-00-O C962945-00-O C962945-00-O C962946-00-D	Steve Peters Cecil Franklin Curt Crist Harry Need Mike Gronroos Warren A. Carpenter Karl Drobny Jill Farris Cecil Franklin Brian Bush Linda Stohr Ray Holder Fitzsimmons & Associates Cecil Franklin Denise Pothoff Lance Buboltz Cecil Franklin Fitzsimmons & Associates Tim Lambert Duane Petry Professional Services Inds. Fred Asiri Prof. Katherine Creath	12209601 CBI-CT 2.3/0090, R 0 CM-F044 BNW #24827 TIS/CS L96-202 CBI-CT 2.2/0173	12/17/96Big Pasco Weekly Report 12/20/96Big Pasco Weekly Report 12/20/96Preliminary Punchilist for Stranco as of 12/20/96 - Draft 12/20/96Quotation - Tetrafluor 12/20/96Quotation - Tetrafluor 12/24/96Coupton Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/24/99Coupton Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/21/99Coupton Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/21/99Coupton Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/21/99Coupton Outgassing Test Data Heat 11M977A, Material Code "G" (DRD 09, CDRL #30-G) 12/21/99Coupton Test Field Measurements and Analysis on the LIGO Seismic Noise Spectrum at the Louisiana Site 12/11/99Coupton Tube Activity Log, Week Ending 12-10-96 12/10/99Cample Data Sheets 12/10/99Cample Dourments for Optical Fials from Australia 12/599CTemporary Construction Utilities at LIGO 12/4/99CReport of Naterials Analysis (RMA) - Analysis of Three Liquid Samples for Nonvolatile Residue Content 12/3/99CQuote Letter for Services by Ben Lucas 11/2/99CQuote Letter for Services by Sen Lucas 11/2/99CQuote Letter for Services by Sen Lucas 11/2/99CQuote Letter for Services on Sensity Sens
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C970003-00-P	Barry Barish		1/3/97 National Science Foundation (NSF) Final Project Report
	Garilynn Billingsley		1/3/97 Technical Direction Memorndum (TDM) 97-001
C970005-00-P	, , ,		1/3/97 Addendum to Annual Work Plan Submitted for Fiscal Year 1997 to NSF
C970006-00-D	•	LIGO-114 (inv. #)	1/1/97 Invoice for Labor for SEI Design and Development 12/1/96 through 12/31/96 and Purchased Parts
	Richard E. Roche	,	1/3/97 Baffle Layout and Lot Numbers
C970008-00-V		V049-PL-345	1/3/97 Detail Manufacturing and Vendor Schedules
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-262, Quality Assurance Testing and Reporting for the Beam Tube Enclosure and Support Slab at Livingston
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	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Tina Lowenthal		1/7/97 Transmittal of RFP TL-261, Surveying Support, LIGO Site in Livingston
	Larry Jones		1/20/97 Technical Direction Memorandum (TDM) 97-022A
C970022-00-O	*	LTC-F0074	1/3/97 Progress Payment Request No. 1, from Levernier Construction, Inc., for Erecting Beam Tube Enclosures for the Period 13 September (NTP Date), 1996 Through 24 December, 1996
	Fred Asiri	21010074	1/8/97 Letter of Transmittal for Drawings and Technical Specifications for Livingston Facility
C970023-00-O		LTC-F0075	1/3/97 Progress Payment Request No. 6, from Levernier Construction, Inc., for Period of Performance from 26 November 1996 Through 24 December 1996
C970025-00-O	,	LTLVR-F030	1/2/97 Punchlist for the Southwest Arm and End Station Erected Buildings Structural Steel and Roof Decking, Hanford
C970025-00-O	· ·	LTLVR-F031	1/6/97 Crane Rails Alignments at the Southwest Arm Mid and End Stations - Hanford
C970020-00-0	•	CLSAMP1	4/30/97 Procedure for Obtaining A Cleanliness Assessment Sample
C970027-03-B		HYTEC-TN-LIGO-009	11/1/96 LIGO Coil Springs Test Plan
			· ·
C970029-00-D	Bernie Weinstein	HYTEC-TN-LIGO-06 HYTEC-TN-LIGO-06a	11/14/96 BSC Support Assembly Analytical Design
		HYTEC-TN-LIGO-06b	1/15/97 BSC Support Assembly Analytical Design
	Bernie Weinstein		7/18/97 BSC Support Assembly Analytical Design
C970030-00-D			11/18/96 Deflection Requirements for HAM Support Beam Bellows
	Eric Ponslet	HYTEC-TN-LIGO-10a	1/14/97 Deflection Requirements for HAM Support Beam Bellows
C970031-00-B	*		1/16/97 FTIR Analysis Request
C970032-00-O	•		1/9/97 Minutes for Construction Meeting No. 18 of 9 January 1997
C970033-00-O	,	LTLVD FOOD	1/8/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and Sub-Contractors
C970034-00-O	Kari Drobny	LTLVR-F032	1/13/97 LIGO Project, Hanford, Washington. Structural Steel Punchlist for the Southwest Arm Mid and End Station.
C970035-00-O	NA'-b	LTLVR-F033	1/13/97 Change Order Request from Graham Steel An Pacific Erectors for Girt Connection Details.
	Michael Johnson	LCI No.21	1/6/97 Follow up to Request for Time Extension for the Month of November Due to Adverse Weather Conditions
	Michael Johnson	LCI No. 22	1/7/97 Time Extension Request Due to Adverse Weather for the Month of December
	Tina Lowenthal		1/8/97 Addendum #1 to RFP TL-262 (LIGO-C962637-00-P) for Quality Assurance Testing and Reporting for the LIGO Site at Livingston, Louisiana
	Tina Lowenthal		1/8/97 Addendum #1 to RFP TL-262 (LIGO-C962637-00-P) for Quality Assurance Testing and Reporting for the LIGO Site at Livingston, Louisiana
	Tina Lowenthal		1/9/97 Addendum #1 to RFP TL-262 (LIGO-C962637-00-P) for Quality Assurance Testing and Reporting for the LIGO Site at Livingston, Louisiana
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C970045-00-B	,	CBI-CT 2.2/0184	1/7/97 Weld Seam Mismatch CBI NCRs 10, 11, 15, 18, and 23
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C970047-00-P			1/9/97 Contractor's Claim Release Against Caltech
C970049-00-P		27826	1/8/97 Sales Order for Baffles
	Tim Lambert		1/6/97 Materials Analysis Report - Analysis of One Liquid Sample for Nonvolatile Residue Content
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C970060-B-B	Larry Jones		5/17/97 Technical Information Memorandum (TIM) 031B

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C970061-00-P	Rita Torres		1/10/97 Account Code Change/Revision
C970062-00-D	Dr. Chris Walsh		1/10/97 Quality System for LIGO Core Optics Project
C970062-01-D	Applied Physics - CSIRO	HABA-LIGO-QSM	1/17/97 CSIRO LIGO Quality Manual
C970064-00-O	Karl Drobny	LTC-F0076	1/8/97 Levernier Construciton's Scheduled Versus Actual Progress Analysis
C970065-00-O	Michael Johnson	LCI #19, LCI #24	1/7/97 Dispute Over Rejection of Change Order Request for Installing Girt Braces
C970066-00-O	Michael Johnson	LCI #23	1/7/97 Structural Steel Punchlist for Mid and End Station B
C970067-00-D	Dr. Chris Walsh		1/14/97 Technical Query
C970068-00-B L	· ·		1/16/97 Project Status Review Meeting Agenda for 16 January 1997
C970069-00-B L		CBI-CT 2.2/0185	1/9/97 Transmittal of Signed TDM 96-021 and Acknowledged Receipt of TDM 96-022
C970070-00-B L	arry Jones		1/7/97 Technical Direction Memorandum (TDM) 97-022
C970071-00-B L	ance Buboltz	CBI-CT 2.3/0075	1/10/97 BDF Installations on the Y and X-Axis at Hanford
C970072-00-B L		CBI-CT 2.2/0183	1/7/97 Installation Issues - A Response to Caltech Letter of 12/18/96 (LIGO-C962586-00-B)
C970073-00-D			1/14/97 Feedback with CSIRO
C970074-00-D			1/15/97 Proposed Agenda for Fabrication Readiness Review
C970076-00-V F	<u> </u>	CT078	1/15/96 Transmittal of Leak Check Plan (V049-2-014, Rev. 2)
C970077-00-D			1/17/97 Agenda for Fabrication Readiness Review
C970078-00-P			1/17/97 Transmittal of Change Order 12 for P.O. PC157708 with Telos Corporation
C970079-00-R			1/17/97 Advance Copy of Change Order #1 for P.O. PC217149 with University of Florida
C970080-00-V F	<u> </u>	V049-PL-347	1/16/97 Change Order Request #22 - Metal O-Ring Testing
C970081-00-O	•	LEV-F018	1/13/97 Field Work Directive (FWD) for Levernier Construction, Inc Request for Cost Proposal
C970081-02-O		LEV-F018-2	7/22/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970082-00-O			1/11/97 Further Backup for Adverse Weather Time Extension Requested by Levernier Construction
C970083-00-O	Michael Johnson	CP-09, Rev. 1	1/10/97 Change Proposal from Levernier Construction
C970084-00-D			12/18/96 Minutes of Lightwave Electronics Interim Design Review of 18 December 1996
C970085-00-D			1/17/97 Technical Direction Memorandum (TDM) 97-001- Assignment of Serial Numbers
C970086-00-D			1/17/97 Technical Direction Memorandum (TDM) 97-001
C970087-00-B			1/9/97 Non-Conformance Report #035 - Bake of Coil Numbers 11M975, 11M976, 11M977, 11N005, 11N027, and 11N029
C970088-00-O		8008083301	1/3/97 Invoice from DEMCO for Period 12/03/96 thru 1/3/97
C970089-00-O	•	LTLVR-F037	1/16/96 Material and Equipment Receiving and Storage Procedure
C970090-00-V F	<u> </u>	CT080	1/17/97 Transmittal of Specification for Cleaning Procedure for Vacuum Equipment
C970091-00-V F	<u> </u>	U-2379-2041	1/10/97 Measurement and Analysis of LIGO Vacuum System Shock Vibration, and Acoustic Noise, Rev. 2 - Prepared by Cambridge Acoustical Associates
C970092-00-V F	<u> </u>	CT079	1/17/97 Transmittal of Acoustic Report for Inclusion in FDR, Vol II 1/17/97 LIGO Quality Manual from CSIRO
C970093-00-D C		LTLVR-F034	1/17/97 Adverse Weather Conditions During the Month of November, 1996
C970094-00-O	•	LTLVR-F035	1/17/97 Adverse Weather Conditions During the Month of December, 1996
C970095-00-O		LTLVR-F036	1/20/97 Structural Steel Painting and Touchup Painting
C970090-00-O	•	LEV-F019	1/14/97 Field Work Directive for Levernier Construction, Inc.
C970098-00-O	•	LEV-F020	1/20/97 Field Work Directive for Levernier Construction, Inc.
	Process Systems Int'l, Inc.	705244	1/9/97 PSI Invoice
C970100-00-O	<u> </u>	700244	1/21/97 Submitted Proposal for RFP TL-262, Quality Assurance (Simmons J. Barry & Associates)
C970100-00-0			1/22/97 Submitted Proposal for RFP TL-261, Surveying Support (PSI)
C970102-00-O			1/21/97 Submitted Proposal for RFP TL-262, Quality Assurance (Delta Testing and Inspection, Inc.)
C970103-00-O	· · · · · · · · · · · · · · · · · · ·		1/20/97 Submitted Proposal for RFP TL-262, Quality Assurance (Owensby & Kritikos, Inc.)
C970104-00-O	<u> </u>		1/20/97 Submitted Proposal for RFP TL-261, Surveying Support (Alex Theriot, Jr. & Associates, Inc.)
C970105-00-O L			1/22/97 Submitted Proposal for RFP TL-261, Surveying Support (John E. Chance & Associates, Inc.)
C970106-00-B			1/21/97 Non-Conformance Report (NCR) #037 - Assembly B 068, Bent Stiffener
C970107-00-B L		CBI-CT 2.2/0187	1/17/97 Project Status Review Data Package (CDRL 25-M)
C970108-00-O		00601305 (inv. #)	1/21/97 Invoice from Parsons for Period Ended 29 November 1996
C970109-00-O	S. J. Clark	00601308, 1309, 1310	1/21/97 Invoices (00601308, 00601309, 100601310) from Parsons for Period Ending 29 November 1996
C970110-00-O			1/16/97 Minutes for Subcontractors Meeting #10 on 9 January 1997
C970111-00-O	•		1/17/97 Painting and Painting Touchup
C970113-00-O		120-056-00	1/20/97 Invoice from Benton PUD for Period 12/10/96 through 1/10/97
C970114-00-O	lan Szwed	8921 (inv. #)	1/9/97 Request for Payment #11 from Stranco for work through 8 January 1997
C970115-00-O	Harry Need		1/10/97 Transmittal of Stranco Invoice #8921
C970116-00-B	ance Buboltz	CBI-CT 2.2/0191	1/21/97 Invoice Payment for Milestone 11 and Milestone 17
C970117-00-B	CBI		12/12/96 LIGO Tube Section Leak Test Report - Hanford
C970118-00-B	CBI	HX-1, X-78	1/21/97 LIGO Circumferential Weld Leak Test Report
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Document No	Full Name	ContractorDocNo [Doc Dt Full Title
C970119-00-V		CT082	1/21/97 Transmittal of Vacuum Equipment Calculations
C970119-00-V		CT082	1/21/97 Transmittal of Vacuum Equipment Calculations 1/21/97 Transmittal of Specifications
C970120-00-V	~ .	C1001	1/23/97 Technical Direction Memorandum (TDM) 97-01
	Ralph M. Parsons Company	970115-0	1/15/97 Transmittal of Hanford Final Design Report, FINAL and Livingston Final Design Report, FINAL (CDRL)
C970123-00-O	' ' '	LEV-F024	1/21/97 Field Work Directive for Levernier Construction. Inc.
C970123-00-O	•	LEV-F024 LEV-F024-1	2/24/97 Field Work Directive. Revision 1 to Levernier Construction, Inc.
C970123-01-O	,	LEV-F023	1/21/97 Field Work Directive, Revision 1 to Levernier Construction, Inc.
C970125-00-O	,	LEV-F023	1/21/97 Field Work Directive for Levernier Construction, Inc.
C970125-00-O	•	LEV-022	1/21/97 Field Work Directive for Levernier Construction, Inc.
C970126-00-O	,	LE V-02 I	1/22/97 Minutes for Construction Meeting #19
C970127-00-O	,	LEV-F025	1/23/97 Field Work Directive for Levernier Construction, Inc.
C970128-00-O	,	LEV-F025 LEV-F025-1, Rev. 1	2/24/97 Field Work Directive, Revision 1 for Levernier Construction Inc.
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C970129-00-O	,	LEV-F023-1	1/23/97 Field Work Directive for Levernier Construction, Inc.
C970129-02-O	,	LEV-F023-2	7/22/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970130-00-O	•	LTLVR-F038	1/23/97 Building Roof Decking - Hanford
	Randy VanBrocklin	1115 07 0004	1/24/97 LIGO Issues
C970133-00-P		LHF-97-2394	1/14/97 Contractor's Release of Claims
C970135-00-B			1/28/97 Technical Direction Memorandum (TDM) 97-023 - Installation of a Hydrocarbon Monitor and Particle Counter
C970135-A-B	•		2/27/97 Technical Direction Memorandum (TDM) 97-023A
	Michael Johnson		1/8/97 Graham Steel Fax with Attachments Re: Revisions to Contract Drawings.
C970137-00-O		1155-9	1/6/97 Invoice for the Period Ending December 31, 1996
C970138-00-O	•	LTLVR-F039	1/27/97 HVAC Ducts for the Southwest Arm Mid Station - Hanford
C970139-00-O	,	LTLVR-F040	1/28/97 Pacific Erectors Multiple Lift Rigging Procedures
	Levernier Construction		1/22/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors
C970141-00-O	·		1/22/97 Subcontractors Meeting No. 11 Meeting Minutes for 17 January 1997
	Michael Johnson		1/18/97 Latest Revision of Apollo Proposal for Warehouse
C970143-00-P			1/30/97 Account Code Change/Correction
C970143-A-P	Rita Torres		2/3/97 Account Code Change/Correction
C970144-00-O	•	LEV-F025	1/23/97 Field Work Directive for Levernier Construction, Inc.
C970145-00-R	Albert Lazzarini	LEV-F025	1/28/97 Termination of Services of A. Razmaemoun at Compuhope
C970145-00-R C970145-00-R	Albert Lazzarini Irena Petrac		1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/28/97 Termination of Services of A. Razmaemoun at Compuhope
C970145-00-R C970145-00-R C970146-00-O	Albert Lazzarini Irena Petrac Karl Drobny	LEV-F025 ACME-F-017	1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/24/97 Field Work Directive for Acme Materials & Construction, Inc.
C970145-00-R C970145-00-R C970146-00-O C970146-00-R	Albert Lazzarini Irena Petrac Karl Drobny Irena Petrac		1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/24/97 Field Work Directive for Acme Materials & Construction, Inc. 1/29/97 Employement Correspondence re. Mr. Razmazemoun's Release with CompuHope
C970145-00-R C970145-00-R C970146-00-O C970146-00-R C970147-00-E	Albert Lazzarini Irena Petrac Karl Drobny Irena Petrac Irena Petrac	ACME-F-017	1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/28/97 Termination of Services of A. Razmaemoun at Compuhope 1/24/97 Field Work Directive for Acme Materials & Construction, Inc. 1/29/97 Employement Correspondence re. Mr. Razmazemoun's Release with CompuHope 1/30/97 P.O. PP207573 - Fused Silica Mirror Blanks/Corning Delivery Commitments
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Decument No.	Full Name	ContractorDocNo D	Des De Full Title
Document No C970159-00-O		IFB-EJ-246	Occ Dt Full Title
		IFD-EJ-240	2/13/97 Transmittal Letter for Livingston Building and Infrastructure - Issued for Construction Drawings, Rev.1
	Garilynn Billingsley	IED E LOCO	1/31/97 Glass Delivery
C970160-00-O		IFB-EJ-250	2/13/97 Transmittal Letter for Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, Rev.1
	Randy VanBrocklin		1/31/97 Confirmation of Faxes Received
C970161-00-O		ODI OT 0 0/0404	2/20/97 Corrective Action Plan for Soil Conditions at Louisiana Berm
C970162-00-B		CBI-CT 2.2/0194	1/28/97 Alternatives for Tube installation Schedule Improvement and/or Provision of Access for Levernier at the X Arm Midstation
C970162-00-O			2/19/97 WISHA Response to Allegated Safety Violations by Pacific Erectors
C970163-00-B			1/22/97 Report of Materials Analysis - Analysis of Liquid Sample for Nonvolatile Residue Content
C970164-00-B			2/27/97 Technical Information Memorandum (TIM) 027 - Change in Policy Regarding Solar Shielding of the Beam Tubes
C970164-00-D	• •		2/3/97 Standard Metrology Process
C970165-00-B			1/27/97 Big Pasco Recap as of 24 January 1997
C970165-00-O			2/26/97 "Draft" - Hanford Fire Department Statement of Work(SOW) for Laser Interferometer Gravitational Observatory (LIGO)
C970166-00-B		CBI NC #044, Rev. 0	1/27/97 Nonconformance Report #044 for Module X1 - Joint X73:Assemblies D 002, A 036
C970166-00-O	'		2/20/97 Minutes for Subcontractors Meeting No. 15
C970167-00-O			2/20/97 Construction Meeting No. 23 Meeting Minutes
C970167-00-V	~ .	V049-PL-355	1/31/97 Detail Manufacturing and Vendor Schedules
C970168-00-B		CBI-CT 2.3/0082	1/23/97 Coupon Outgassing Test Data, Heat 11N038, Material Code "H" (DRD 09, CDRL 30-H)
C970168-00-O		LTLBTE-F008	2/28/97 Schedule Consideration for Specific Tasks
C970169-00-V	~ .	V049-VMM-3.2.5-8	1/28/97 Vendor Meeting Minutes for 21 January 1997
C970170-00-B		CBI-CT 2.2/0195	1/28/97 Revised Invoice Milestone Payment (CBI-CT 2.2/0191)
C970171-00-D			2/5/97 Spin Cleaner
C970171-00-O	,	LTC-F0078	1/30/97 Progress Payment Request #10 from Acme Materials & Construction for Period 26 December 1996 - 25 January 1997
C970172-00-O		PAR-L086	1/27/97 Application for Payment for Work Through January 25, 1997
C970173-00-O	Karl Drobny	LTC-F0077	1/30/97 Payment Request for Field Work Directive #RSI-F014, Which is Submitted By Rogers Surveying, for Verifying Grade Beam Elevation at the Corner Station LVEA
C970174-00-O		962492 (inv. #)	1/16/97 Invoice from Rogers Surveying, Inc.
C970175-00-O	,	LTC-F0079	1/31/97 Invoice #1624 Submitted by Shannon & Wilson for Period November 24 - December 28, 1996
C970176-00-O		1624 (inv. #)	1/22/97 Invoice from Shannon & Wilson for Period November 24-December 28, 1996
C970177-00-B	Richard Riesen		1/29/97 Weekly Report
	Garilynn Billingsley		2/5/97 Optic Containers
C970179-00-O	S. J. Clark	00620783, 784, 785	1/30/97 Invoices (00620783, 00620784, 00620785) from Parsons
C970179-00-O C970180-00-P	S. J. Clark Australian Nationl University	223109	1/30/97 Invoices (00620783, 00620784, 00620785) from Parsons 1/26/97 Statement from Australian National University
C970179-00-O C970180-00-P C970181-00-O	S. J. Clark Australian Nationl University Karl Drobny	223109 CM-001	1/30/97 Invoices (00620783, 00620784, 00620785) from Parsons 1/26/97 Statement from Australian National University 2/3/97 LIGO Fans Shop Testing
C970179-00-O C970180-00-P C970181-00-O C970182-00-O	S. J. Clark Australian Nationl University Karl Drobny Jim Allen	223109 CM-001 PAR-L087	1/30/97 Invoices (00620783, 00620784, 00620785) from Parsons 1/26/97 Statement from Australian National University 2/3/97 LIGO Fans Shop Testing 1/27/97 Invoice from Acme - Cut an Access Road Off Site, But Within the LIGO Battery Limits
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Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C970207-00-P	Irena Petrac		2/20/97 Account Charges for JPL Work Order
C970210-00-P	Irena Petrac		2/4/97 Close Out of JPL Work Order #97017, Task Plan #40-3522
C970211-00-P			2/5/97 Transmittal of Annual Report to NSF
C970212-00-E	·	CM00333	1/29/97 Cost Breakdowns from CSIRO
	Randy VanBrocklin		2/6/97 Corning Process Information
	Garilynn Billingsley		2/6/97 Missing Files for Data Packages
	Irena Petrac		8/3/97 Procurement Plan, RFQ IP-264 for Infrared Interferometer
	Jordan Camp		8/3/97 Procurement Plan, RFQ IP-264 for Infrared Interferometer
C970216-00-O	· · · · · · · · · · · · · · · · · · ·		2/6/97 Suspension of Work for Coating of Baffles
C970217-00-D			1/30/97 Fabrication Readiness Meeting Minutes of 21-22 January 1997
C970218-00-P			2/7/97 Testing of LIGO Beam Tube Baffles
C970219-00-E			2/7/97 Correct Mailing Address for Invoices
C970220-00-C			2/7/97 P.O. PC223190 with Simmons J. Barry & Assoc. for Surveying Support of Construction at Livingston
C970221-00-D			2/11/97 REO Tooling
C970221-00-D			2/11/97 Notice of Award to Simmons J. Barry & Associates for Survey Support at Livingston
	Garilynn Billingsley		
	, ,		2/11/97 Wire Groove Inquiry
C970224-00-P			2/12/97 P.O. PC223337 with Acro Service Corporation - Support for Beam Tube QA Activities
C970224-01-P			8/12/97 Change Order #1 for P.O. PC223337 with Acro Service Corporation - QA Support by Joanne Jaramillo
C970225-01-B	•	ODI OT 0 0/0100	2/7/97 Design Document Revisions - Pump Port Leak Test (CDRL 24-12, Rev. 1, DRD 03)
C970226-00-B	·	CBI-CT 2.2/0199	2/7/97 Transmittal of CDRLs 11-Rev. 2, 17-Rev. 2, 19-Rev. 2, 24-2-Rev. 3, and 24-12-Rev. 1
C970227-00-B		970206-0	2/6/97 Transmittal of Civil Drawing Revisions for both Facilities Construction Contract and BTE/Slab Contract
C970228-00-O	•	LEV-F028	2/11/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970228-01-O	*	LEV-F028-1	1/28/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970229-00-O	*	LEVBT-F02	2/7/97 Field Work Directive (FWD) to Levernier Construction, Inc.
C970230-00-O	*	LTLVR-F043	2/10/97 Material and Equipment Submittals
C970231-00-O	·	LTLVR-F042	2/5/97 Multiple Life Rigging Procedure
C970232-00-O	·	LTLVR-F044	2/10/97 Crane Rail Splicing - Hanford
C970234-00-O		970207-2	2/7/97 Livingston Settlement
	Lightwave Electronics Corp	1706	12/31/96 Invoice from Lightwave Electronics
	Michael Johnson		2/6/97 Extra Crane Charges
	Levernier Construction		2/6/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc.
C970238-00-O	•		2/11/97 Safety Violation Report for Levernier Construction, Inc.
C970239-00-O		9508 (inv. #)	2/3/97 Invoice - Request for Payment #12
C970242-00-O	·	HPC #1 (inv. #)	1/30/97 Invoice from Hensel Phelps Construction
	Michael Johnson	LCC No.26	1/31/97 Project Schedule Update - Hanford
C970244-00-D			1/27/97 Seventh Monthly Progress Report for DECEMBER 1996
C970245-00-D	Dale Ness		2/18/97 Test Spin with Dummy Optic
C970247-00-O			2/18/97 Performance Bond for Hensel Phelps Construction Company
C970248-00-D	Lightwave Electronics Corp	1606 (inv. #)	11/30/96 Invoice - Credit Due
	Lightwave Electronics Corp	1701 (inv. #)	11/30/96 Invoice - Credit Due
	Lawrence J. Olsen	4-FW83-2 (inv. #)	2/13/97 Invoice from University of Wisconsin-Milwaukee for Period 11/01/96 through 1/31/97
C970251-00-V	Richard Bagley	V049-TN-54	2/14/97 Telecon of 2/11/97 with John Worden
C970252-00-V	• •	V049-MM-19	1/31/97 Minutes of Monthly Status Meeting of 30 January 1997 (CDRL 8-19)
C970253-00-O	Demco	8008083301 (acct #)	2/3/97 Invoice from Demco for Period 1/3/97 to 2/3/97
C970256-00-D	Werner Wiechmann		2/5/97 Eighth Monthly Status Report for Lightwave
C970256-00-D	Thomas Kane		2/5/97 Eighth Monthly Status Report for Lightwave
C970257-00-D	William O. Miller	HYTEC-LIGO-001	2/18/97 PDR/CDR Design Review Document (DRD)
C970257-00-D	Tim Thompson	HYTEC-LIGO-001	2/18/97 PDR/CDR Design Review Document (DRD)
C970257-00-D	Eric Ponslet	HYTEC-LIGO-001	2/18/97 PDR/CDR Design Review Document (DRD)
C970258-00-O	Benton Pud	120-056-00	2/11/97 Invoice from Benton Pud
C970259-00-O	Karl Drobny	LEV-F029	2/17/97 Field Work Directive(FWD) - Lump Sum
C970260-00-O	Karl Drobny	LTLVR-F045	2/18/97 Levernier Request for Information (RFI) Documentation
C970261-00-O	Karl Drobny		2/13/97 Minutes for Construction Meeting No.22 on 13 February 1997
C970262-00-D	Larry Sutton	QD106248	2/18/97 Order Acknowledgement
C970263-00-B	·	CBI-CT 2.2/0202	2/19/97 Invoice Milestone Payment (WBC-3400)
C970264-00-O		LTLVR-F046	2/21/97 Witness of Air Handler Vane Axial Fan Tests at the New Philadelphia Fan Company - Hanford Site
	Levernier Construction	C.P. #25	2/14/97 Cost Breakdown Summary for FWD LEV-F025
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Common	Document No	Full Name	ContractorDocNo D	oc Dt Full Title
March Marc	C970266-00-O	Levernier Construction	C.P. #24	2/14/97 Cost Breakdown Summary for FWD LEV-F024
	C970267-00-O	Levernier Construction	C.P. #3	2/14/97 Cost Breakdown Summary for FWD LEV-F007
	C970268-00-D	Lightwave Electronics Corp	1714 (inv. #)	·
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	C970270-00-O	Lance Buboltz	CBI-CT 2.2/0203	
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Section Section Records				· · · · · · · · · · · · · · · · · · ·
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Sym254-100 Hyte, Inc. HYTE-C051-II/O0 24/149/R6 Assembly Cost Summary		•		• •
SPR7026-00-0-1 Hyles, Inc. MYTEC-OST-LIGO 24/49/MacRitheaus Profusion Codes for MAISS Assemblies SPR7026-00-0-1 Hyles, Inc. MYTEC-OST-LIGO 24/49/MacRitheaus Profusion Codes for MAISS Assemblies SPR7026-00-0-1 Hyles, Inc. MYTEC-OST-LIGO 24/49/MacRitheaus Profusion Codes for MAISS Assemblies SPR7026-00-0-1 Hyles, Inc. MYTEC-OST-LIGO 24/49/MacRitheaus Profusion Codes for MAISS Assemblies SPR7026-00-0-1 Hyles, Inc. MYTEC-OST-LIGO 24/49/MacRitheaus Profusion Codes for Request 01-5 Schedule Accessration x /m Installation SPR7026-00-0-1 Aut Drabty LF-VET-1-1 22/00-1 AVR7036-00-1 Avr70		•		• •
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C970320-00-0 Michael Johnson				· ' '
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G97029-00-D Carlynn Billingsley 21497P-C. PC222159 with NTS-Saugus Division for Use of Testing Facilities for LIGO Beam Tube Baffles				
C970289-00-P Ed Jasnow				
237289-00-P Ed Jasnow 32/497/Controat PC224341 with Delta Testing and Inspection, Inc., for Quality Assurance Testing and Reporting Services for the Construction of the Beam Tube Enclosure, Beam Tube Support Slab, Access Road and Associated Site C970309-00-D Garlynn Billingsley 22/19/Tslandard Boule Testing and Reporting at LIGO Livingston, Louisiana Site to Delfa Testing and Inspection, Inc.				
C970299-0-0		, , ,		· ·
C37030-0-0-D C3rilynn Ellilingsley 2/21/97 Technical Direction Memorandum (TDM) 97-001				
Sarilynn Billingsley 2/21/97 Technical Direction Memorandum (TDM) 97-001	-			
C970303-0-0-D Garlynn Billingsley		, , ,		·
C970303-00-D Garilynn Billingsley 2/26/97 Data Items Pertaining to Pathfinder Serial #A001				· ·
C970304-00-P Phil Lindquist 2/26/97 Review and Approval of Proposed Change to P.O. PC217149 C970305-00-D Tina Lowenthal 2/26/97 Transmittal of Contract PC223190 for Survey Support at LIGO Livingston Site C970306-00-D Stan Whitcomb 2/27/97 LIGO Press Release from CSIRO, Draft C970307-00-P Garlynn Billingsley 2/27/97 LIGO Press Release from CSIRO, Draft C970308-00-P Irena Petrac 2/28/97 Sample Labor Hour Contract for Concurrence C970308-00-P Rita Torres 2/28/97 LW Work Order 97952 - Supplement #1 for \$13K C970310-00-D Randy VanBrocklin 3/4/97 Part Status C970311-00-D Inchieved Johnson 3/4/97 Part Status C970313-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/397 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/397 Invoice of Milestones 12C and 15G - PSI C970317-00-O Tim Melott 970305-5 3/597 Correspondence from DMG Manufacturers re. Fans				
C970305-00-D Tina Lowenthal 2/26/97 Transmittal of Contract PC223190 for Survey Support at LIGO Livingston Site C970306-00-D Stan Whitcomb 2/27/97 LIGO Press Release from CSIRO, Draft C970306-00-D Garliynn Billingsley 2/27/97 LIGO Press Release from CSIRO, Draft C970308-00-P Itena Petrac 2/28/97 Sample Labor Hour Contract for Concurrence C970308-00-P Itena Petrac 2/28/97 JPL Work Order 97952 - Supplement #1 for \$13K C970310-00-P Rita Torres 3/3/97 Account Code Change/Correction C970311-00-D Randy VanBrocklin 3/4/97 Part Status C970311-00-D Nichael Johnson 2/25/97 Project Schedules C970315-00-O Alike Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970317-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-O Grivan Billingsley 9702011 (inv. #) 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970304-00-P	Phil Lindquist		•
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C970306-00-D Garilynn Billingsley 2/27/97 LIGO Press Release from CSIRO, Draft C970307-00-P Irena Petrac 2/28/97 Sample Labor Hour Contract for Concurrence C970308-00-P Irena Petrac 2/28/97 JPL Work Order 97952 - Supplement #1 for \$13K C970309-00-P Rita Torres 3/3/97 Account Code Change/Correction C970310-00-D Randy VanBrocklin 3/4/97 Part Status C970311-00-D Dr. Chris Walsh 3/4/97 Progress Report #3 to 28 February 1997 C970313-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice of Milestones 12C and 15G - PSI C970317-00-O Richard Bagley 9702011 (inv. #) 2/26/97 Invoice of Milestones 12C and 15G - PSI C970318-00-O Tim Melott 970305-5 3/5/97 Specifications				
C970307-00-P Final Petrac 2/28/97 Sample Labor Hour Contract for Concurrence 2/28/97 PL Work Order 97952 - Supplement #1 for \$13K				·
C970309-00-P Rita Torres 3/3/97 Account Code Change/Correction C970310-00-D Randy VanBrocklin 3/4/97 Part Status C970311-00-D Dr. Chris Walsh 3/4/97 Progress Report #3 to 28 February 1997 C970313-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans		-		2/28/97 Sample Labor Hour Contract for Concurrence
C970310-00-D Randy VanBrocklin 3/4/97 Part Status C970311-00-D Dr. Chris Walsh 3/4/97 Progress Report #3 to 28 February 1997 C970313-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970308-00-P	Irena Petrac		2/28/97 JPL Work Order 97952 - Supplement #1 for \$13K
C970311-00-D Dr. Chris Walsh 3/4/97 Progress Report #3 to 28 February 1997 C970313-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970309-00-P	Rita Torres		3/3/97 Account Code Change/Correction
C970315-00-O Michael Johnson 2/25/97 Project Schedules C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 9702011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970310-00-D	Randy VanBrocklin		3/4/97 Part Status
C970315-00-O Cathie Melde LTC-F0086 3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997 C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970311-00-D	Dr. Chris Walsh		3/4/97 Progress Report #3 to 28 February 1997
C970316-00-O Jan Szwed 9267 (inv. #) 3/3/97 Invoice - Stranco C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970313-00-O	Michael Johnson		2/25/97 Project Schedules
C970317-00-V Richard Bagley 97020011 (inv. #) 2/26/97 Invoice for Milestones 12C and 15G - PSI C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans			LTC-F0086	3/3/97 Invoice #1687 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants for January, 1997
C970318-00-D Garilynn Billingsley 3/5/97 Specifications C970319-00-O Tim Melott 970305-5 3/5/97 Correspondence from DMG Manufacturers re. Fans	C970316-00-O	Jan Szwed	9267 (inv. #)	
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C970320-00-D Randy VanBrocklin 12/12/96LIGO Order Requirements			970305-5	' '
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C970321-00-O Karl Drobny LTLVR-F049 3/3/97 Metal Wall Panel Installation Deficiencies			LTLVR-F049	
C970322-00-O Levernier Construction 2/20/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and Subcontractors				
C970323-00-D Larry Sutton QD106248 2/26/97 Order Acknowledgement	C970323-00-D	Larry Sutton	QD106248	2/26/97 Order Acknowledgement

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C970324-00-D	Dr. Chris Walsh		3/5/97 DRAFT Press Release from CSIRO
C970325-00-O	Tim Melott	970304-5	3/4/97 Transmittal of Hensel Phelps Construction Safety and Health Plan
C970326-00-D	Garilynn Billingsley		3/5/97 Progress at General Optics
C970327-00-D	Irena Petrac		3/6/97 Reformat of Cost Estimate
C970328-00-O		89674.002	2/26/97 Pay Application #2 for Hensel Phelps Construction, Inc.
C970329-00-O	Robert SeGall	94B315	3/5/97 Livingston Site Soil Modification Tests
C970329-00-O		94B315	3/5/97 Livingston Site Soil Modification Tests
C970330-00-B	Marty Tellalian	CBI-CT2.2/0092	3/6/97 CBI Request for Information (RFI) #29 - Beam Tube Stiffener at the Module Ends
C970331-00-D	•		3/6/97LIGO End Test Mass Optics
C970332-00-B	Curt Crist		3/6/97 Quotation for Bright Annealed(BA) Baffles
C970333-00-B	Curt Crist		3/6/97 Proposed Invoice for Baffles
C970334-00-B	Curt Crist		3/6/97 Pricing for 1000 Bright Annealed(BA) Baffles
C970336-00-O	Karl Drobny	LEV-F032	3/3/97 Field Work Directive (FWD) for Levernier Construction, Inc.
	Levernier Construction		2/28/97 Certified Payroll and Compliance Statement for LCI
C970338-00-O	Jim Allen	PAR-L092	3/3/97 Release of Retainage on Precast Segments in Final Location
C970339-00-O	Michael Johnson		2/28/97 Welding Procedure Questions from Pacific Erectors
C970340-00-O			3/3/97 Notice to Comply to Pacific Erectors - Failed Inspection
C970341-00-B	·		3/6/97 Special Cleaning Procedure, S-001
C970342-00-B	Tim Lambert		3/6/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C970343-00-O		00633800 (inv. #)	3/4/97 Invoice from Parsons for Period Ended 31 January 1997
C970344-00-O	S. J. Clark		3/4/97 Invoices (00633801, 00633802, 00633803) for Period Ended 31 January 1997
C970345-00-B	Larry Jones		3/7/97 Technical Information Memorandum (TIM) 028 - Response to RFI #28
C970346-00-D	Dr. Chris Walsh		3/7/97 Action Items A2 and A14
C970347-00-D	Randy VanBrocklin		3/7/97 LIGO Part Status
C970349-00-B	Curt Crist		3/6/97 Additional 50 'Bright' Baffles for Caltech
C970350-00-O	Tim Melott	ECP 18	2/25/97 Engineering Change Proposal (ECP) 18 - OSB Modifications
C970351-00-O	Tim Melott	ECP 19	2/24/97 Engineering Change Proposal (ECP) 19 - Mid Point Building Modifications
C970352-00-O	Tim Melott	ECP 20	2/24/97 Engineering Change Proposal (ECP) 20 - Beam Tube Enclosure Modifications
C970353-00-O	Tim Melott	970225-0	2/25/97 Transmittal of Signed TDM 97-01 and ECPs 18, 19, and 20
C970355-00-D	Australian Nationl University	0005724	2/23/97 Invoice - Australian National University (ANU)
C970356-00-B			2/28/97 Invoice Statement from West Coast Porcelain, Inc.
C970357-00-O	Marshall Long		3/6/97 LIGO Joy Fan Test Calculations
C970358-00-B	Ron Johnson	NCR #053	3/6/97 Non-Conformance Report 053 - Tube Assembly E002
C970359-00-B	Tim Lambert		3/7/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C970360-00-O	John James Blasius		3/6/97 Statement of Work (SOW) for Interim Portland Cement Treatment of the South East Arm Service Road LIGO Site - Livingston
C970361-00-V	Richard Bagley	V049-PL-374	3/7/97 Detail Manufacturing and Vendor Schedules
C970362-00-V	Richard Bagley		3/5/97 Monthly Status Report, JANUARY 1997 (CDRL 09-15)
C970365-00-D	Garilynn Billingsley		3/11/97 Material Shipments
C970366-00-B	Larry Jones		3/12/97 Response to CDRL Submittals
C970367-00-U	Garilynn Billingsley		3/11/97 Data for Large Substrate
C970368-00-V	Dick Curtis	V049-TN-56	3/11/97 Telecon of D. Curtis with John Worden
C970369-00-P	Applied Management	788	3/11/97 Invoice for Applied Integration Management (AIM) Corp.
C970370-00-B	Lance Buboltz	CBI-CT 2.2/208	3/4/97 Return of Signed TIM-025B and TIM-027 and Acknowledged TDM 97-023A
C970371-00-O	Ernie Stoops		3/6/97 Minutes for Subcontractors Meeting #16
C970372-00-O	Michael Johnson	LCI #29	3/6/97 Removal of Hydrocarbons from Mechanical Equipment
C970373-00-O	Karl Drobny	LTC-F0090	3/10/97 Progress Payment Request #11 from Acme Materials & Construction, for Period 26 January through 25 February 1997
C970374-00-O	-	LTC-F0089	3/10/97 Levernier Construction, Inc. Scheduled Versus Actual Progress Analysis for the Period 08 August 1996 through 28 February 1997
C970375-00-O	Cecil Franklin		3/12/97 Big Pasco Weekly Report - Week Ending 3/12/97
C970376-00-O	Cecil Franklin		3/12/97 Special Cleaning Procedure B/T S-001
C970377-00-O	Hensel Phelps Construction Co		3/3/97 Safety and Health Plan - Hensel Phelps Construction Co.
C970378-00-O	Karl Drobny	LEV-F033	3/11/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970378-01-O	Karl Drobny	LEV-F033-1	6/12/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970379-00-D	Dr. Chris Walsh		3/13/97 Progress Report #3 from CSIRO
C970380-00-B	Lance Buboltz	CBI-CT-2.2/0212	3/14/97 Invoice Milestone Payment (Inv. #WBC-3407)
C970381-00-D	Garilynn Billingsley		3/4/97 Registration Marks
C970382-00-O	Fred Asiri		3/4/97 Transmittal of Hanford Construction Drawings, Rev. 1
C970383-00-P	Irena Petrac		3/5/97 P.O. PC224861 with Career Services - Technical Support for Software Engineering Services
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D	Full Name	0	Dr. Fall Title
Document No		ContractorDocNo D	oc Dt Full Title
C970384-00-P			4/25/97 Procurement Justification for P.O. PC188099 with Butler Services Group for Technical Support Services
C970385-00-D			3/5/97 Certificate of Conformance from REOI
C970386-00-D			3/7/97 Certificate of Conformance from REOI
C970387-00-P			3/12/97 P.O. PC225471 with Mid-Columbia Engineering Technical Services for Software Engineering Services
C970388-00-B	•		3/12/97 Technical Information Memorandum (TIM) 029 - Response to RFI 29
	Hensel Phelps Construction Co		3/11/97 Schedule of Values
C970390-00-O	•	FWD-HP-04	3/13/97 Field Work Directive (FWD) for Hensel Phelps Construction Co Cement Treatment
C970390-01-O	Harry Need	FWD-HP-04* (Rev. 1)	3/27/97 Field Work Directive (FWD) for Hensel Phelps Construction
C970392-02-O	Harry Need	FWD-WW-01+	3/11/97 Field Work Directive (FWD), Revision 2 for Woodrow Wilson Construction - Cement Treatment
C970393-00-O	Michael R. White		3/11/97 Direction Requested for HVAC System
C970394-00-V	Richard Bagley	V049-PL-378	3/14/97 Response to TIM 52
C970395-00-O	Professional Services Inds.	723345	3/14/97 Invoice for PSI
C970396-00-O	Wesley Gifford		3/14/97 WWC Application for Payment No. 1
C970397-00-O	Karl Drobny	ACME-F-019	3/17/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C970397-00-P	Irena Petrac		3/17/97 Duty-Free Import/Fused Silica/Australian Polishing
C970398-00-O	Karl Drobny	LTACME-F0034	3/17/97 Release of Retention for Precast Segments Placed in Final Location
C970399-00-O	Michael Johnson	LCI #31	3/10/97 Crane Runway
C970400-00-O	Tim Melott		3/17/97 Review of the Level of Cleanliness of the LVEA/VEAs HVAC Components
C970401-00-V	Richard Bagley	97030015	3/20/97 Invoice for Milestone 11 - PSI
C970402-00-O	Michael Johnson	LCI #32	3/14/97 Installation Difficulty with Exterior Hollow Metal door Frame
C970403-00-O	Karl Drobny	LTLVR-F054	3/21/97/Pacific Erectors Welding Procedure
C970404-00-O	Karl Drobny		3/18/97 Questions re FWD LEV-F027-1
C970405-00-V		97040005	4/15/97/Invoice for Milestone 13A - PSI
	Randy VanBrocklin		3/17/97Part Status
C970426-00-P	-		3/12/97/Advance Copy of P.O. PC225471 with Mid-Columbia Engineering Technical Services
C970428-00-R			3/20/97 Advance Copy of Change Order #2 for P.O. PC169604 with ISF
	Garilynn Billingsley		3/21/97 Technical Direction Memorandum (TDM) 97-002
	Garilynn Billingsley		3/21/97 Technical Direction Memorandum (TDM) 97-002
C970431-00-P			3/21/97 Transmittal of Fully Executed Contract No. PC224341 (LIGO-C970298-00-P) for Quality Assurance Testing and Reporting at Livingston
C970432-00-E			3/24/97 Duty-Free Import/Fused Silica Blanks from Germany
	Garilynn Billingsley		3/21/97 Technical Direction Memorandum (TDM) 97-003
C970434-00-O		120-056-00	3/11/97 Invoice - Benton Pud
C970435-00-O		120 000 00	3/8/97 Pricing Proposal for FWD LEV-F029
C970436-00-O	,		3/7/97 Black Sand Stratus Excavation
C970437-00-O			3/10/97 LIGO Warehouse Gravity On-Site Sewage System, 200 gpd, @ Hanford, Benton County
C970438-00-O			3/14/97 Runway Electrification Issue
	Michael R. White		3/4/97 Lack of Manufacturer for Air Compressors
	Levernier Construction		3/7/97 Certified Payroll and Compiance Statement
	Patrick Hollister		3/6/97 Final Testing and Shipping of Fans for B Mid and End Stations
C970442-00-O		LTLVR-F053	3/18/97 Crane Rail Alignment
C970443-00-O	•	LIEVICI UUU	3/13/97 Minutes for Construction Meeting #25 on 13 March 1997
C970444-00-O	•	LTLVR-F051	3/13/97 Review of the Request for a Field Work Directive(FWD) Regarding Added Cost for Centria Versawall Panels
C970445-00-O	•	LEV-F034	3/13/97 Field Work Directive (FWD) for Levernier Construction, Inc.
	Lightwave Electronics Corp	1721 (inv. #)	3/21/97 Invoice from Lightwave Electronics
	Dr. Chris Walsh	1721 (1117. #)	3/27/97 Progress Report #4 from CSIRO
C970449-00-D		RSI-015	3/25/97 Field Work Directive (FWD) for Rogers Surveying, Inc.
	•	1/01-010	
C970450-00-O	•		3/20/97 Minutes for Construction Meeting #26 3/11/97 Request for Information(RFI) #180 - Metal Trim at Base of GWB
C970451-00-O	•	LEV FORE	
C970452-00-O	•	LEV-F036	3/24/97 Field Work Directive (FWD) - Time, Material & Equipment
C970453-00-O	•	LEV-F035	3/24/97 Field Work Directivev (FWD) for Levernier Construction, Inc.
C970454-00-O	,	LEV-F029-1	3/24/97 Field Work Directive(FWD) for Levernier Construction, Inc.
C970455-00-O	•	LTLVR-F052	3/18/97 Equipment Submittal No. 064-15488, Dual Air Compressors
C9/U45/-UU-O	Michael Johnson		3/17/97 Welding Certifications for Pacific Erectors
0070450 00 0	IOOD VVOIGEN	1	3/24/97 Request for Contractor's Services
C970458-00-O		+	2/04/07 Deminant for Contractoria Societa
C970459-00-O	John Worden		3/21/97 Request for Contractor's Sevices 3/21/97 Contribut Review & Compliance Statement for Lovernice Construction, Inc. and Subcontractors
C970459-00-O	John Worden Levernier Construction	LTLVR-F055	3/21/97 Request for Contractor's Sevices 3/21/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and Subcontractors 3/25/97 Exterior Hollow Metal Door Frames

Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
C970462-00-O		ACME-F-020	3/24/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C970463-00-O	,	LTLVR-F057	3/27/97 Blistering of the Installed Metal Wall Panels
C970464-00-O	,	LTLVR-F057	3/28/97 Environmental Protection
C970465-00-O	,	LTLVR-F056	3/27/97 Inspection Report of Completed LVEA and OSB Structural Steel Erection
C970465-00-O	,		
		CBI-CT-2.2/0218	3/26/97 Invoice Milestone Payment #12 - Complete Leak Check Tube 201-250 (Inv. #WBC-3417)
C970468-00-O	,	LEV-F039	3/28/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970469-00-O	,	LEV-F038	3/28/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970470-00-O		LEV-F037	3/28/97 Field Work Directive (FWD) for Levernier Construction Inc.
	Garilynn Billingsley		3/24/97 Discrepant Material
	Garilynn Billingsley		4/22/97 Discrepant Material
	Garilynn Billingsley		4/29/97 Discrepant Material Terms of Acceptance
	Levernier Construction		3/14/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and the Sub-Contractors
	Michael Johnson	LCI #33	3/20/97 Request for FWD on Cleaning Requirements on Return Air Plenums
C970474-00-O	,		3/6/97 Response to a Notice to Comply
C970475-00-O		00659145	3/27/97 Invoice - Parsons
C970476-00-O	S. J. Clark	00659148-150	3/27/97 Invoices (00659148, 00659149, 00569150) for Period Ending 28 February 1997
	Kenneth Adkins	1155-10	2/17/97 Invoice from ABMB for Period Ending 24 January 1997
C970478-00-O		1155-11	3/18/97 Invoice from ABMB for Period Ending 21 February 1997
	Australian Nationl University	228021 (inv. #)	3/23/97 Invoice from Australian National University
C970480-00-B	Larry Jones		4/4/97 Technical Direction Memorandum (TDM) 97-025
C970480-A-B	Larry Jones		4/16/97 Technical Direction Memorandum (TDM) 97-025A - Module Cleaning Prior to Leak Test
C970481-00-O	Tim Melott	970408-0	4/8/97 Transmittal of Drawings from Parsons
C970482-00-O	Fred Asiri		4/10/97 Transmittal of Hanford Construction Drawings, Rev. 1
C970483-00-O	Fred Asiri		4/10/97 Transmittal of Livingston BTE & Facilities Construction Drawings
C970484-00-O	Karl Drobny	LEV-F012-2	4/7/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970486-00-O	Harry Need		6/5/97 Hensel Phelps' Schedule
C970487-00-O	Karl Drobny	LEV-F041	4/8/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970487-01-O	Karl Drobny	LEV-F041-1	4/16/97 Field Work Directive(FWD) - Time and Material
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C970488-00-O	,	LEV-F042	4/8/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970488-00-O C970488-01-O	Karl Drobny		4/8/97 Field Work Directive (FWD) for Levernier Construction, Inc. 7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970488-01-O	Karl Drobny	LEV-F042	
C970488-01-O C970490-00-D	Karl Drobny Karl Drobny	LEV-F042	7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970488-01-O C970490-00-D C970492-00-I C970495-00-D	Karl Drobny Karl Drobny Garilynn Billingsley Irena Petrac Dr. Chris Walsh	LEV-F042	7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc. 3/31/97 Shipping Address
C970488-01-O C970490-00-D C970492-00-I C970495-00-D	Karl Drobny Karl Drobny Garilynn Billingsley Irena Petrac	LEV-F042	7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc. 3/31/97 Shipping Address 4/25/97 Request for Quotation (RFQ) IP-264 (LIGO-C970215-00-I) for Infrared Interferometer
C970488-01-O C970490-00-D C970492-00-I C970495-00-D	Karl Drobny Karl Drobny Garilynn Billingsley Irena Petrac Dr. Chris Walsh Garilynn Billingsley	LEV-F042	7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc. 3/31/97 Shipping Address 4/25/97 Request for Quotation (RFQ) IP-264 (LIGO-C970215-00-I) for Infrared Interferometer 4/1/97 LIGO/CSIRO Publicity
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C970488-01-O C970490-00-D C970492-00-I C970495-00-D C970496-00-D C970499-00-O C970500-00-D	Karl Drobny Karl Drobny Garilynn Billingsley Irena Petrac Dr. Chris Walsh Garilynn Billingsley Ed Jasnow	LEV-F042	7/23/97 Field Work Directive (FWD) for Levernier Construction, Inc. 3/31/97 Shipping Address 4/25/97 Request for Quotation (RFQ) IP-264 (LIGO-C970215-00-I) for Infrared Interferometer 4/1/97 LIGO/CSIRO Publicity 4/1/97 Change in Beamsplitter Thickness 5/14/97 Invitation for Bid (IFB) EJ-265 - Statement of Work for Liquid Nitrogen Supply to the LIGO Project in Hanford, Washington
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C970488-01-O C970490-00-D C970492-00-I C970495-00-D C970496-00-D C970500-00-D C970501-00-D C970502-00-P C970503-00-D C970505-00-P C970506-00-O C970508-00-V C970509-00-O C970511-00-O C970511-00-O	Karl Drobny Karl Drobny Garilynn Billingsley Irena Petrac Dr. Chris Walsh Garilynn Billingsley Ed Jasnow Dr. Chris Walsh Garilynn Billingsley Barry Barish Garilynn Billingsley Barry Barish Garilynn Billingsley Irena Petrac Charles Davis Richard Bagley Karl Drobny Karl Drobny Karl Drobny	V049-PL-384 LTC-F0093 LTC-F0091	7/23/97Field Work Directive (FWD) for Levernier Construction, Inc. 3/31/97Shipping Address 4/25/97 Request for Quotation (RFQ) IP-264 (LIGO-C970215-00-I) for Infrared Interferometer 4/1/97[LIGO/CSIRO Publicity 4/1/97 Change in Beamsplitter Thickness 5/14/97Invitation for Bid (IFB) EJ-265 - Statement of Work for Liquid Nitrogen Supply to the LIGO Project in Hanford, Washington 4/2/97 Publicity 4/3/97 Publicity 4/3/97 Publicity 4/3/97 A Pre-Award Change Number for the LIGO Advanced R&D Program - NSF ID PHY97-00601 4/8/97 Problems with the Corning Quality Assurance for the LIGO Project 4/8/97 Problems with the Corning Quality Assurance Support\ 3/25/97 Pay Application #3 and Lien Release for Pay Application #2 4/3/97 Progress Payment Request #4 from Levernier Construction, Inc. For Erecting Beam Tube Enclosures for the Period 2/26 - 3/25 1997 4/3/97 Progress Payment Request #4 from Levernier Construction for Period of Peformance from 2/27 - 3/25 1997
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
	Werner Wiechmann	- Contractor Boorto	4/4/97 PDR Draft Matrix
	Werner Wiechmann		4/3/97 Noise Spectrum
C970526-00-O			3/25/97 Inspection Report on Structural Steel Fabrication in the LVEA OSB by Pacific Erectors
C970527-00-O		1756-19	3/31/97 Panel Blisters
	Levernier Construction	1700 10	3/28/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and Sub-Contractors
C970529-00-O			4/4/97 Outgassing of Urethane
C970530-00-O	•	970305-6	3/5/97 Transmittal of Documentation re. Livingston Soil Settlement
	Michael Johnson	370303 0	4/5/97 Adjustment of the Crane Rails
	Michael Johnson	LCI #37	4/4/97 Items Incomplete for First Contract Milestone
	Michael Johnson	CPMR #005	4/1/97 Pacific Erectors Repricing for FWD LEV-F037
C970534-00-O		CFIVIN #003	4/9/97 Project Status Report , MARCH 1997
	Garilynn Billingsley		4/8/97 Coating Specification
C970537-00-P			4/9/97 Pacific Erectors Request for Documents
C970538-00-P			4/9/97/Request for Payment Bonds
C970539-00-P			4/9/97 Work Order Authorization for QA Support for LIGO
	Dr. Chris Walsh		4/9/97 Work Order Authorization for QA Support for EIGO
C970541-00-B			4/11/97 Acceptance of Change Order Request (COR) 17 and Notice to Proceed
C970542-00-O		0000000004	
		8008083301	4/1/97 Invoice from Demco for period 3/3/97 - 4/1/97
	Garilynn Billingsley		4/11/97 Schedule Questions
	Irena Petrac		4/11/97 Transmittal of Change Order #6 to P.O. PC184342
	Dr. Chris Walsh		4/14/97 Schedule Questions
	Garilynn Billingsley		4/16/97 Technical Direction Memorandum (TDM) 97-004
C970547-00-O			4/3/97 Geotechnical Investigation of Dikes - Draft
	Ara Arman		4/1/97 Subsidence Study for LIGO Dikes at Livingston, Louisiana - Final Report
C970548-00-O			4/14/97 Minutes of Meeting for Beam Stabilization at Livingston on 4 April 1997
C970549-00-O			4/14/97 Livingston Site - Beam Tube Arm Berm Stabilization Recommendations dated April 10, 1997
	Heraeus Amersil		4/9/97 Germany Faxes
C970551-00-B		CBI-CT 2.2/0227	4/14/97 Invoice Milestone Payment #20 - Install and Weld tube Assemblies 151-200 (Inv.#WBC-3427)
C970552-00-O	•		4/11/97 Woodrow Wilson Construction Application for Payment #2
C970553-00-D			
	Garilynn Billingsley		4/16/97 Registration Mark, FM01A
C970554-00-O	Harry Need		4/11/97 Woodrow Wilson's Schedule of Values Line Items
C970554-00-O C970555-00-O	Harry Need Harry Need		4/11/97 Woodrow Wilson's Schedule of Values Line Items 4/9/97 Minutes for HP Weekly Meeting #8 on 9 April 1997
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	arry Need	FWD-WW-03	4/7/97 Field Work Directive (FWD) for Woodrow Wilson Construction
C970581-00-D Ger	eneral Optics, Inc.		4/30/97 SPETM 02A and 03A F.irst Polish Side
C970582-00-P Ed	d Jasnow		4/17/97 P.O. PC229118 with John Desmond & Associates - Architectural Drawings/Renderings of Proposed LIGO Outreach Center for Livingston Site
C970583-00-O S. J	J. Clark		4/14/97 Invoices (00674815, 00674816, 00674817) from Parsons for Period Ended 28 March 1997
C970584-00-O Har	arry Need	FWD-SJB-01	4/11/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
C970585-00-O Har	arry Need		4/14/97 Notice of Readiness to Begin Construction on Permanent Access Road to LIGO
C970586-00-O Har	arry Need	FWD-HP-05	4/19/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C970587-00-O Har	arry Need	FWD-WW-04	4/14/97 Field Work Directive (FWD) for Woodrow Wilson Construction
C970587-01-O Har	arry Need	FWD-WW-04, Rev. 1	5/9/97 Field Work Directive for Woodrow Wilson Construction
C970588-00-O Kar	arl Drobny	LTC-F0096	4/14/97 Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F005-2
C970589-00-O Kar	arl Drobny	LTC-F0099	4/15/97 Partial Progress Payment Request from Levernier Construction, Inc. for FWD LEV-F024-1
C970590-00-O Kar	arl Drobny	LTC-F0097	4/15/97 Progress Payment Request From Levernier Construction, Inc. for Completion of FWD LEV-F017
C970591-00-O Kar	arl Drobny	LTC-F0098	4/15/97 Progress Payment Request From Levernier Construction, Inc. for Completion of FWD LEV-F016
C970592-00-O Kar	arl Drobny	LTC-F0095	4/14/97 Progress Payment Request From Levernier Construction, Inc. for Completion of FWD LEV-F025
C970593-00-P Car	arolyn McGarrah	041397 (inv. #)	4/14/97 Invoice from Career Services
C970594-00-O Kar	arl Drobny	RSI-016	4/15/97 Field Work Directive (FWD) for Rogers Surveying, Inc.
C970594-01-O Kar	arl Drobny	RSI-016-1	7/1/97 Field Work Directive (FWD) for Rogers Surveying, Inc.
C970595-00-B Cur	urt Crist		3/5/97 Bright Annealed (BA) Baffles - Price Change Due to Increase in Scope of Work
C970596-00-B Cur	urt Crist		3/7/97 General Specifications for Steam Cleaning of 'Baffles'
C970597-00-O Gei	erry Stapfer	3072 (inv. #)	4/21/97 Invoice from Delta Testing and Inspection, Inc.
C970598-00-O Cal	alifornia Institute of Tech.		3/27/97 Statement of Work (SOW) for Portland Cement Treatment of the South East Arm Service Road - Livingston
C970599-00-O Jim	m Allen	PAR-L093	4/9/97 Application for Payment for Work through 25 March 1997
C970600-00-B Lar	arry Jones		4/18/97 Approval of X1 Gate Valve
C970601-00-O Mic	ichael Johnson	LCI #26	4/24/97 Project Schedule Update through 17 January 1997
C970602-00-D Rar	andy VanBrocklin		2/17/97 Response to Concerns Raised in Review of Data Packages
C970603-00-O Tim	m Melott		2/3/97 Settlement Curves for Livingston
C970604-00-B Gai	ary Wagner		4/14/97 Field Notes from Field Survey on 4/9/97
C970605-00-B Ced	ecil Franklin		4/14/97 Big Pasco Recap
C970606-00-O Bill	ll Baldwin		4/16/97 Redlined Drawings for Livingston LVEA Conduits
C970607-00-V Ric	chard Bagley	V049-PL-385	4/14/97 Proposed Agenda for LIGO/PSI Monthly Status Review Meeting of 18 April 1997
C970608-00-B CB	31	CBI-CT 2.3/0087	2/25/97 Request for Information (RFI) #24 - Building Status - Module Terminations
C970609-00-B CB	31	CBI-CT 2.3/0088	2/24/97 Request for Information (RFI) #25 - Power for Module Leak Testing
C970610-00-D Tho	nomas Kane		2/5/97 Eigth Monthly Status Report, JANUARY 1997
C970610-00-D We	erner Wiechmann		2/5/97 Eigth Monthly Status Report, JANUARY 1997
C970611-00-O Jim	m Willard		2/14/97 Response to Safety Violation Report
C970612-00-O Ern	nie Stoops		2/12/97 Minutes for Subcontractors Meeting #13 on 4 February 1997
C970614-00-P Gus	us West		1/9/97 Direct Labor Rates from Butler Service Group
C970615-00-B Lan	ance Buboltz		3/13/97 Change Order Request (COR) 015 - Revised "Deep Penetration" Baffle Installation
C970616-00-B			2/1/97 Certificate of Insurance for CBI Services for period 2/1/97 through 2/1/98
C970617-00-B Lar	arry Jones		4/18/97 Technical Direction Memorandum (TDM) 97-026
C970618-00-B		PC181520	3/25/97 Project Status Review Meeting Agenda for March 25, 1997
C970619-00-O Kar		LEV-F027	3/13/97 Field Work Directive(FWD) for Levernier Construction, Inc.
C970619-01-O Kar		LEV-F027-1	3/17/97 Field Work Directive(FWD) - Lump Sum
C970619-02-O Kar		LEV-F027-2	4/17/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970619-03-O Kar		LEV-F027-3	4/29/97 Field Work Directive for Levernier Construction, Inc.
C970620-00-B Lar			4/24/97 Technical Direction Memorandum (TDM) 97-027
C970621-00-O Lan		CBI-CT-2.2/210	3/11/97 Meeting Minutes from 3/4/97 Construction Meeting (and a Response to RFI #24 and #25)
C970622-00-O Kar		LTC-F0100	4/16/97 Invoice #1760 Submitted by Shannon & Wilson, Inc. Project Geotechnical Consultants, March 1997
C970623-00-B Lan		CBI-CT-2.2/0205	2/24/97 Change Order Request (COR) 014 for Hydrocarbon Monitor
C970624-00-V Dav		V049-TN-55	2/19/97 Telecon of 2/18/97 with John Worden
C970625-00-O Kar		LEV-F051	4/24/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970626-00-O Kar		LEV-F052	4/24/97 Field Work Directive(FWD) for Levernier Construction, Inc.
C970627-00-O Kar		LEV-F053	4/24/97 Field Work Directive(FWD) for Levernier Construction, Inc.
C970628-00-O Kar			4/24/97 Minutes for Construction Meeting No.28, 17 April 1997
C970629-00-O S. S			4/14/97 Invoice for Period Ended March 28, 1997
C970630-00-O S. J	J. Clark	00624089(inv.#)	1/30/97 Invoice from Parsons for Period Ended 27 December 1996

Document No	Full Name	ContractorDocNo D	Doc Dt Full Title
C970631-00-O	Fred Asiri		4/30/97 Document Transmittal
C970633-00-O	Fred Asiri		4/30/97 Transmittal Letter for Revised Livingston Building & Infrastructure Drawings
C970634-00-O	Fred Asiri		4/30/97 Transmittal Letter for Revised Livingston Building & Infrastructure Drawings
C970635-00-O	Fred Asiri		5/1/97 Transmittal of PSI Drawings
C970637-00-B			5/6/97 Technical Information Memorandum (TIM) - Transferring Electronic Data Files to LIGO
C970639-00-O	*	8008083301	5/1/97 Demco Invoice for April 1997
C970640-00-O		FWD-HP-06	5/1/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C970643-00-O	•		4/22/97 Request for Levernier Construction Payment Bond
C970650-00-D	Garilynn Billingsley		4/25/97 Technical Direction Memorandum (TDM) 97-005
	Garilynn Billingsley		4/25/97 Recycling Mirror Shipment
C970652-00-D			4/28/97 Recycling Mirror Shipment
C970654-00-P	Irena Petrac		4/28/97 Work Order for LIGO QA Support, Work Order #97951
C970656-00-O	Ed Jasnow		4/29/97 Sales Tax Exemption
C970657-00-O	Ed Jasnow		4/29/97 Sales Tax Exemption
C970658-00-O	Ed Jasnow		4/29/97 Project Materials Sales Tax
C970659-00-D	Dr. Chris Walsh		4/30/97 Queries re Certification Procedures
C970660-00-D	Dr. Chris Walsh		2/14/97 Progress Report #2 from CSIRO
C970661-00-O	Michael Johnson		2/15/97 Duct Cleaning Procedures
C970662-00-B	Lance Buboltz	CBI-CT 2.2/0189	2/5/97 Change Order Request (COR) 011 - Revised Particulate Counter Storage and Printing Capability
C970663-00-B	Lance Buboltz	CBI-CT 2.2/0201	2/17/97 Change Order Request (COR) 012 - special Cleaning of Tube S-001
C970664-00-O	Ara Arman		2/17/97 Cost Estimate for Soil Modification at Livingston
C970665-00-B	Warren A. Carpenter	CBI-CT 2.3/0207	3/10/97 Request for Information (RFI) #26 - Cover Condition & Pump Port Access During Module Leak Testing
C970666-00-B	Richard E. Roche	CBI-CT 2.2/211	3/11/97BDF EQT
C970667-00-O	Michael Johnson	LCI #32	3/14/97 Installation Difficulties of Exterior Hollow Metal Door Frames
C970668-00-O	Michael Johnson		3/19/97 Crane Rail Alignment
C970669-00-D	Ken Scribner		4/30/97 Interest in Coating
C970670-00-D	Randy VanBrocklin		3/19/97 Acceptance of Two Damaged Mirror Blanks
C970671-00-V	Richard Bagley		3/27/97 Status Report for FEBRUARY 1997 (CDRL 09-16)
C970672-00-B	Lance Buboltz	CBI-CT 2.2/0233	4/24/97 Invoice for Milestones #13 and #20
C970673-00-D	Dale Ness		4/30/97 Tilt Component of Test Window Coatings
C970674-00-V	Richard Bagley	V049-PL-388	4/29/97 Change Order Request (COR) #24 - LN2 Tank Anchor Bolt Template for Louisiana Site
C970675-00-V	Karl Drobny	LEV-F054	4/28/97 Field Work Directive (FWD) for Levernier Construction, Inc
C970675-01-O	Karl Drobny	LEV-F054-1	6/27/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970675-02-O	Karl Drobny	LEV-F054-2	7/16/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970676-00-P	Ed Jasnow		5/1/97 Tax Exemption Certificate for Livingston and State of Louisiana
C970677-00-O	Karl Drobny	LEV-F055	4/28/97 Field Work Directive (FWD) for Levernier Construction, Inc
C970678-00-O	Michael Johnson		4/11/97 Certified Payroll and Compliance Statement for Levernier Construction
C970679-00-O	Michael Johnson		4/23/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc.
C970680-00-D	Garilynn Billingsley		4/30/97 Response to Queries re Certification Procedures
C970682-00-O		LCI #39	4/22/97 Replacement of Randy Parks by Gene Hagreen
C970683-00-O			4/9/97 LIGO Long Lead Items
C970684-00-O	•		4/23/97 Analytical Laboratory Test Results for Collected Soil Samples
C970685-00-O		CPMR 004	4/8/97 Contract Price Modification Request
C970686-00-O		LEV-F040	4/29/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970687-00-O	<u> </u>	LTLVR-F067	4/28/97 Change Order Reuqest from Graham Steel and Pacific Erectors for Girt Connection Details - DENIED
C970688-00-O		LEV-F056	4/29/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970688-01-O	· ·	LEV-F056-1	5/2/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970688-02-O		LEV-F056-2	6/12/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970689-00-O	<u> </u>	LTLVR-F064	4/29/97 Excavating in the Vicinity of Bruied Power Cable
C970690-00-O		WCC #94B315	4/11/97 Geotechnical Investigation of Dikes
C970691-00-O		LEV-F047	4/16/97 Field Work Directive (FWD) for Levernier Construction Inc.
	John James Blasius	970403-0	4/14/97 Minutes of Meeting for Beam Stabilization at Livingston on 4 April 1997
	John James Blasius	CE-970410-0	4/10/97 Beam Tube Arm Berm Stabilization Recommendations
C970694-00-O		970414-0	4/14/97 Transmittal of Documents
	Garilynn Billingsley		4/30/97 Notification to SubContracts of Change in Caltech Area Code
C970696-00-O	•	LEV-F050	4/20/97 Field Work Directive (FWD) for Levernier Construction Inc.
C970697-00-O	Harry Need		4/29/97 Hensel Phelps Construction Change Estimates and Value Engineering Request

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C970698-00-O	Ronnie Myers	SER LTR 2/CE-02	4/29/97 Hensel Phelps Construction Change Estimate - CE #2, Notching of Bracing (RFI-HP-06)
C970699-00-O	Ronnie Myers	SER LTR 15/CE-03	4/24/97 Hensel Phelps Construction Change Estimate - CE #3, Owner Facilities/Super ProLog
C970700-00-O	Ronnie Myers	SER LTR 5/CE-04	4/17/97 Hensel Phelps Construction Change Estimate - CE #4, Backhoe Support (FWD HP-02)
C970701-00-O	Ronnie Myers	SER LTR 6/CE-05	4/17/97 Hensel Phelps Construction Change Estimate - CE #5, Culvert (FWD HP-01)
C970702-00-O	Ronnie Myers	SER LTR 15/CE-06	4/24/97 Hensel Phelps Construction Change Estimate - CE #6, C.S. Cement Treatment Over 6% (FWD HP-04)
C970703-00-O	Ronnie Myers	SER LTR 8/CE-10	4/23/97 Hensel Phelps Construction Change Estimate - CE #10, RFI-HP-027
C970704-00-O	Kirk J. Hazen	SER LTR 16/VE	4/24/97 Hensel Phelps Construction Value Engineering - VE, Waterproofing Credit
C970705-00-D	Garilynn Billingsley		5/1/97 Phase Maps for SP ETM 02A and 03A
C970706-00-V	Gene Senecal	V049-PL-389	4/29/97 Discrepancy Reports, March/April 1997
C970707-00-V	Richard Bagley		5/1/97 Monthly Status Report, MARCH 1997
C970708-00-V	Richard Bagley	V049-PL-390	5/1/97 Building Survey Monument Points
C970709-00-P	Career Services	042797 (inv. #)	5/2/97 Invoice from Career Services
C970710-00-I	Phil Lindquist		5/5/97 Transmittal of RFQ IP-264 for Infrared Interferometer
C970712-00-R	Irena Petrac		5/5/97 Preliminary Design Review for the Nd3+ Laser from Lightwave Electronics Corp.
C970713-00-O	Karl Drobny	LEV-F057	5/3/97 Field Work Directive for Levernier Construction, Inc.
C970714-00-O	Karl Drobny	LEV-F063	6/10/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970715-00-V	Richard Bagley	V049-PL-397	5/5/97 Detail Manufacturing and Vendor Schedules
C970716-00-V	Gene Senecal	V049-PL-396	5/2/97 Deviation Request for Non-Conformance Report (NCR) 1034
C970717-00-P	Irena Petrac		5/7/97 Change Order #3 for P.O. PC188099 with Butler Services Group and Advance Copy of Change Order #4
C970718-00-D	Garilynn Billingsley		5/7/97 Program Schedule and Discrepancies of FE13, RM01-RM04
C970719-00-O	Harry Need	FWD-WW-05	5/1/97 Field Work Directive (FWD) for Woodrow Wilson Construction
C970720-00-O	Harry Need	FWD-WW-06	5/1/97 Field Work Directive (FWD) for Woodrow Wilson Construction
C970721-00-O	Harry Need	FWD-WW-07	5/1/97 Field Work Directive(FWD) for Woodrow Wilson Construction
C970722-00-O	Harry Need		5/1/97 Minutes for WW Weekly Meeting #10 on 30 April 1997
C970723-00-O	Harry Need		4/30/97 Minutes for HP Weekly Meeting #11 on 30 April 1997
C970724-00-O	Wesley Gifford		5/5/97 WWC Application for Payment No.3
C970725-00-B	Larry Jones		5/9/97 Technical Information Memorandum (TIM) 032
C970725-A-B	Larry Jones		5/20/97 Technical Information Memorandum (TIM) 032A
C970725-B-B	Larry Jones		6/3/97 Technical Direction Memorandum (TIM) 032B
C970727-00-O	Tim Melott		5/12/97 Mark-ups of PSI and Parsons Drawings
C970728-00-O	Ara Arman	163324 (inv. #)	4/25/97 Invoice from Woodward-Clyde for Period 3/15/97 through 4/18/97
C970729-00-V	Richard Bagley	V049-PL-399	5/9/97 Vacuum Equipment Drawing Update
C970730-00-I			5/15/97 Proposal for RFQ IP-264 for Infrared Interferometer
C970731-00-O	Michael Johnson		1/25/97 Fan Testing
C970732-00-V	Paul Hendry	V049-PL-351	1/24/97 GNB Schedule
C970733-00-O	Harry Need		1/27/97 Settlement Survey Readings
C970734-00-D	Garilynn Billingsley		5/8/97 Index of Refraction
C970735-00-O	Karl Drobny	RSI-017	5/2/97 Field Work Directive for Rogers Surveying, Inc
C970736-00-O	,		4/14/97 Cost Breakdown for Soil Cement Treatment at Arm 2 BTE Slab
C970737-00-O	-		4/24/97 Cost Breakdown for Soil Cement Treatment at Arm 1 BTE Slab
C970738-00-O	·	LTLVR-F068	5/5/97 1997 Excavating in the Vicinity of Buried Power Cable
C970739-00-B		CBI-CT 2.2/0235	5/1/97 Project Status Review Data Package (CDRL 25P)
C970740-00-O			4/17/97 Invoice from PUD
C970741-00-O	·		5/8/97 Minutes for Construction Meeting #29 on 30 April 1997
C970742-00-O	,	ACME-F-021	5/2/97 Field Work Directive for Acme Materials & Construction Co.
C970743-00-O	-	LTC-F0102	5/8/97 LCI Scheduled Versus Actual Progress Analysis for the Period of August , 1996 through April 30, 1997
C970744-00-E			6/6/97 Torque Wrench for Core Optic Component (COC) Carriers
	Michael R. White		1/21/97 Cost Proposal from Apollo Sheet Metal for Changes Directed by RFI #126
C970745-00-V			5/13/97 Technical Information Memorandum (TIM) 58
C970748-00-B	-		6/18/97 Technical Information Memorandum (TIM) 033 - Provide Cost and Schedule Impact for Replacing the VAT Series Gate Valves
C970749-00-B	·		7/15/97 Technical Information Memorandum (TIM) 034 - Additional CDRL items for Inclusion in Completion Review Data Package
C970750-00-B	•		6/24/97 Technical Information Memorandum (TIM) 035
C970751-00-B	,		6/24/97 Technical Information Memorandum (TIM) 036 - X2 Module Acceptance
C970754-00-V			7/2/97 Technical Information Memorandum (TIM) 61
C970755-00-V			7/11/97 Technical Information Memorandum (TIM) 62 - Varian Manual Gate Valves
C970756-00-B	· ·		7/17/97 Technical Information Memorandum (TIM) 035
C970756-A-B	Larry Jones		7/18/97 Technical Information Memorandum (TIM) 037 - Steam Clean and Collect Rinse Sample of Final Tube Section
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C970757-00-B		Contractor Boorto	7/17/97 Slab Availability at the Louisiana Site
C970758-00-V	•		7/18/97 Technical Information Memorandum (TIM) 63 - Washington Site Installation Readiness Review
C970759-00-V			7/28/97 Technical Information Memorandum (TIM) 64 - Approval of Change Order Request #27
C970760-00-V			8/1/97 Technical Information Memorandum (TIM) 65 - Proposed Location of the CDS Racks
C970761-00-V			8/6/97 Technical Information Memorandum (TIM) 66 - Request for Additional Information
C970762-00-V			8/8/97 Technical Information Memorandum (TIM) 67 - Washington Site Vacuum Equipment Installation
C970766-00-D			5/9/97 Progress Report #7 from CSIRO
C970767-00-D			3/13/97 Technical Direction Memorandum (TDM) 01
C970768-00-D			5/8/97 Minutes for Woodrow Wilson Weekly Meeting 11
C970769-00-O			5/8/97 Minutes of Hensel Phelps Weekly Meeting 12
	•		
C970770-00-O	•		5/9/97 Monthly Report #1 through 4/13/97 - Livingston
C970771-00-O	•		5/6/97 Cost Impact of RFI's to Valley Electric
	Michael Johnson		5/2/97 Request by BH&S for Revisions to the Hardware Schedule
	Michael Johnson		5/3/97 Cost Proposal from Division 9 Contractors for Work Added by RFI 141
	Michael Johnson		4/1/97 Valley Electric Pricing for Extra Work
	Michael Johnson		5/5/97 A.C. Dellovade, Inc. Change Order Request #1
	Michael Johnson		4/30/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc.
C970777-00-O	,	LTC-F0101	5/8/97 Progress Payment Request #10 from Levernier Construction, Inc. for Period 26 march 1997 through 25 April 1997
C970778-00-O	,	LTC-F0103	5/8/97 Progress Payment Request #5 from Levernier Construction, Inc. for Erecting Beam Tube Enclosures for the Period 26 march 1997 through 25 April 1997
	Garilynn Billingsley		5/13/97 Request for Quote from Mark Optics
C970780-00-R			5/7/97 Eleventh Monthly Status Report, APRIL 1997
	Werner Wiechmann		5/7/97 Eleventh Monthly Status Report, APRIL 1997
C970781-00-O	,	LEV-F058	5/12/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970781-01-O	,	LEV-F058-1	7/16/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970782-00-O			5/14/97 Transmittal of IFB EJ-256 for Liquid Nitrogen Supply to LIGO Project at Hanford
C970783-00-O	Ed Jasnow		5/14/97 Transmittal of IFB EJ-256 for Liquid Nitrogen Supply to LIGO Project at Hanford
C970784-00-O	Ed Jasnow		5/14/97 Transmittal of IFB EJ-256 for Liquid Nitrogen Supply to LIGO Project at Hanford
C970785-00-I	Ester Davenport		5/13/97 Bid Questions
	·		
C970786-00-R			5/14/97 Transmittal of TDM 01 to Lightwave
	Irena Petrac		5/14/97 Transmittal of TDM 01 to Lightwave 5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer
C970787-00-I C970788-00-I	Irena Petrac Irena Petrac		5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension
C970787-00-I C970788-00-I	Irena Petrac		5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer
C970787-00-I C970788-00-I	Irena Petrac Irena Petrac Irena Petrac		5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension
C970787-00-I C970788-00-I C970789-00-I	Irena Petrac Irena Petrac Irena Petrac Steven L. Price		5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension
C970787-00-I C970788-00-I C970789-00-I C970790-00-O	Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard		5/14/97 Addendem 1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 3/21/97 Erection of Crane Beams to Contractual Tolerances
C970787-00-I C970788-00-I C970789-00-I C970790-00-O C970791-00-O	Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard Jim Willard		5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Erection of Crane Beams to Contractual Tolerances 4/2/97 Crane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis
C970787-00-I C970788-00-I C970789-00-I C970790-00-O C970791-00-O C970792-00-O C970793-00-O	Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard Jim Willard	CP #08	5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 3/21/97 Erection of Crane Beams to Contractual Tolerances 4/2/97 Crane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis 3/27/97 Crane Rail Issue
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C970787-00-I C970788-00-I C970789-00-I C970790-00-O C970791-00-O C970793-00-O C970794-00-O C970795-00-O	Irena Petrac Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard Jim Willard Jim Willard Michael Johnson Karl Drobny Karl Drobny	LTLVR-F061	5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-I) - Clarifications and RFQ Due Date Extension 3/21/97 Erection of Crane Beams to Contractual Tolerances 4/2/97 Crane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis 3/27/97 Crane Rail Issue 3/27/97 Hours Spent on Crane Beam Alignment 4/15/97 Cost Proposal from Levernier Construction for FWD LEV-F012-2 4/17/97 Overhead Coiling Doors, Hanford
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C970787-00-I C970788-00-I C970789-00-I C970790-00-O C970791-00-O C970793-00-O C970794-00-O C970795-00-O C970796-00-O C970798-00-O C970799-00-O C970800-00-O C970803-00-O C970803-00-O C970805-00-O	Irena Petrac Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard Jim Willard Jim Willard Michael Johnson Karl Drobny Karl Drobny Karl Drobny Michael Johnson Michael Johnson Jerry J. Perez Michael Johnson Karl Drobny	LTLVR-F061 LTLVR-F062 LTLVR-F063 LTLVR-F065 CP #43 CPMR 001 CP #31 CP #38 CP #45	5/14/97 Addendem 1 to RFQ IP-264 - Infrared Interferometer 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-1) - Clarifications and RFQ Due Date Extension 5/14/97 Addendum #1 to RFQ IP-264 (LIGO-C970215-00-1) - Clarifications and RFQ Due Date Extension 3/21/97 Erection of Crane Beams to Contractual Tolerances 4/2/97 Crane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis 3/27/97/Crane Rail Issue 3/27/97/Orane Rail Issue 4/15/97 Cost Proposal from Levernier Construction for FWD LEV-F012-2 4/17/97/Cverhead Coiling Doors, Hanford 4/17/97/Cverhead Coiling Doors, Hanford 4/17/97/Crane Rail Alignment 4/18/97/Excavating in the Vicinity of Buried Power Cable 4/18/97/Cost Proposal for FWD LEV-F043 4/18/97/Cost Proposal from Emerald City Weatherproofers, Inc. 4/18/97/Contract Price Modification Request (CPMR) #001 Revised from Pacific Erectors, Inc 4/18/97/Pricing for FWD LEV-F031-1 4/18/97/Pricing for FWD LEV-F038 4/14/97/Pricing for FWD LEV-F045
C970787-00-I C970788-00-I C970789-00-I C970790-00-O C970791-00-O C970793-00-O C970795-00-O C970796-00-O C970798-00-O C970799-00-O C970800-00-O C970803-00-O C970804-00-O C970805-00-O C970805-00-O C970805-00-O C970805-00-O	Irena Petrac Irena Petrac Irena Petrac Irena Petrac Steven L. Price Jim Willard Jim Willard Jim Willard Michael Johnson Karl Drobny Karl Drobny Karl Drobny Michael Johnson Michael Johnson Jerry J. Perez Michael Johnson Karl Drobny Karl Drobny	LTLVR-F061 LTLVR-F062 LTLVR-F063 LTLVR-F065 CP #43 CPMR 001 CP #31 CP #38 CP #45 LTLVR-F065	5/14/97/Addendum #1 to RFQ IP-264 (LIGO-C970215-00-1) - Clarifications and RFQ Due Date Extension 5/14/97/Addendum #1 to RFQ IP-264 (LIGO-C970215-00-1) - Clarifications and RFQ Due Date Extension 3/21/97/Erection of Crane Beams to Contractual Tolerances 4/2/97/Crane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis 3/27/97/Torane Rail Issue 3/27/97/Torane Beam Alignment and Discussion Notes on Performing Changed Work on a T & M Basis 3/27/97/Crane Rail Issue 3/27/97/Crane Rail Rissue 3/27/97/Crane Rail Rissue 3/27/97/Crane Rail Alignment 4/15/97/Cost Proposal from Levernier Construction for FWD LEV-F012-2 4/17/97/Overhead Colling Doors, Hanford 4/17/97/Crane Rail Alignment 4/17/97/Crane Rail Alignment 4/18/97/Exavating in the Vicinity of Buried Power Cable 4/18/97/Cost Proposal for WD LEV-F043 4/17/97/Door Finish 4/15/97/Cost Proposal from Emerald City Weatherproofers, Inc. 4/18/97/Pricing for FWD LEV-F031 4/18/97/Pricing for FWD LEV-F034 4/18/97/Pricing for FWD LEV-F035 4/18/97/Pricing for FWD LEV-F035 4/18/97/Pricing for FWD LEV-F045
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C970812-00-O		ECP #21	5/13/97 Engineering Change Proposal (ECP) #21 - Soil Stabilization at Livingston
	Lawrence J. Olsen	4-FW83-3	5/8/97 Invoice from University of Wisconsin-Milwaukee for Period 2/1/97 through 4/30/97
C970814-00-O		LTLVR-F069	5/13/97 1) Hydrotesting the Water Line Between Well and Fire Water Tank and 2) Septic System
C970815-00-O	,	LTLVR-F070	5/13/97 Hydrotesting the Water Pipe Line Between the Well and Fire Water Tank
	,	LTC-F0104	, , ,
C970816-00-O C970817-00-O	•	LTC-F0104 LTC-F0105	5/13/97 Progress Payment Request #13 from Acme materials & Construction for Period 3/26/97 through 4/25/97 5/14/97 Payment Request for Field World Directive (FWD) RSL 5/15 which is Submitted by Regard Surgering for Verifying Constal Regard Type Alignment
	,	L1C-F0105	5/14/97 Payment Request for Field Work Directive (FWD) RSI-F015 which is Submitted by Rogers Surveying for Verifying General Beam Tube Alignment
C970818-00-E			5/15/97 Consultant Requirement for Comparison of Lightware Lasers Against EMI/EMC Plan for LIGO
C970819-00-D	*		5/15/97 Technical Direction Memorandum (TDM) 02 - Transmittal of PDR Committee Report
C970820-00-B			5/20/97 Approval for CBI Change Order Request (COR) 20 - Installation of Bright Annealed Baffles on Y Arm, Hanford
C970821-00-R		\(\alpha\) 10.4	5/16/97 Notification of TDM 02 for Lightwave
C970822-00-V		V049-PL-401	5/14/97 Lamination of Stainless Steel Plate
C970823-00-O	•	1 E) / E050	5/15/97 Minutes for Construction Meeting 30 on 7 May 1997
C970824-00-O	,	LEV-F059	5/14/97 Field Work Directive (FWD) for Levernier Construction Inc.
C970824-01-O	,	LEV-F059-1	7/16/97 Field Work Directive (FWD) for Levernier Construction, Inc.
	Garilynn Billingsley	\(\alpha\) = \(\beta\)	5/19/97 Specification Change for Recycling Mirror
C970826-00-V	* .	V049-PL-398	5/6/97 Transmittal of Signed TIM 54, 55, 56, 57
C970827-00-O	,		4/22/97 Construction Meeting Minutes for 22 April 1997
	Stephanie O'Brien	SC11051	1/6/97 Quotation - Spectra-Physics Lasers, Inc.
C970829-00-P		OPT-1541-112796	1/6/97 Quotation - Research Electro-Optics, Inc.
C970830-00-O	,		1/8/97 LIGO Louisiana, Field Weekly Report for the Period 1/1/97 to 1/8/97
C970831-00-D	•		1/8/97 Coil Spring Cost Update
C970832-00-V	* .	V049-PL-394	5/2/97 GNB Valve Contamination
C970833-00-B			1/8/97 Big Pasco Weekly Report and Recap
C970834-00-O	,	CM-F045	1/8/97 Weekly Construction Activity Report: Hanford Site
C970835-00-D			1/9/97 Damped Coil Spring Cost Summary
	Pfeiffer Vacuum Technology	310200A	1/10/97 Quotation - Pfeiffer Vacuum Technology
C970837-00-B			1/10/97 Project Status Review Meeting Agenda - January 16, 1997 - Draft
C970838-00-V	Richard Bagley	V049-PL-391	5/1/97 Vacuum Equipment - WA Site Installation Schedule
	· ,		
	Vance F. Gervais		1/13/97 Beam Tube Field Seam Locations
C970840-00-P	Aqeel S. Qureshi		1/15/97 Quotation - Complete Computer Care
C970840-00-P C970841-00-P	Aqeel S. Qureshi Michael Dinsmore	MGD-003	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum
C970840-00-P C970841-00-P C970842-00-V	Aqeel S. Qureshi Michael Dinsmore David Mc Williams	MGD-003 V049-TN-53	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater
C970840-00-P C970841-00-P C970842-00-V C970843-00-P	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves	V049-TN-53	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater 1/17/97 Quotation - Applix
C970840-00-P C970841-00-P C970842-00-V C970843-00-P C970844-00-P	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves High Performance Computers	V049-TN-53	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater 1/17/97 Quotation - Applix 1/20/97 Quotation - High Performance Computers
C970840-00-P C970841-00-P C970842-00-V C970843-00-P C970844-00-P C970845-00-P	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves High Performance Computers Gary Lang	V049-TN-53	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater 1/17/97 Quotation - Applix 1/20/97 Quotation - High Performance Computers 1/20/97 Quotation - Ventura Technology Group
C970840-00-P C970841-00-P C970842-00-V C970843-00-P C970844-00-P	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves High Performance Computers Gary Lang	V049-TN-53	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater 1/17/97 Quotation - Applix 1/20/97 Quotation - High Performance Computers
C970840-00-P C970841-00-P C970842-00-V C970843-00-P C970844-00-P C970846-00-V C970847-00-V	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves High Performance Computers Gary Lang Richard Bagley Paul Hendry	V049-TN-53 E102	1/15/97 Quotation - Complete Computer Care 1/15/97 Quotation - Spectrum 1/15/97 Telecon with John Worden re. Failure Detection of 80K Cryopump Vent Line Heater 1/17/97 Quotation - Applix 1/20/97 Quotation - High Performance Computers 1/20/97 Quotation - Ventura Technology Group 1/17/97 BSC No.1 Dimensional Inspection 1/21/97 Change Order Request (COR) #20 (R.O.M Pricing) - Use Prototype BSC as a Production Unit and Delete One BSC Weldment
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C970840-00-P C970841-00-P C970842-00-V C970843-00-P C970845-00-P C970845-00-P C970846-00-V C970848-00-B C970849-00-I C970850-00-O C970853-00-O C970855-00-B C970855-00-B C970855-00-B C970855-00-D C970855-00-D C970855-00-D C970855-00-D C970856-00-O C970858-00-O C970858-00-O C970859-00-P C970860-00-P C970863-00-O C970863-00-O C970864-00-P C970866-00-R	Aqeel S. Qureshi Michael Dinsmore David Mc Williams Vickie Gonsalves High Performance Computers Gary Lang Richard Bagley Paul Hendry Curt Crist Regina Gonzalez Harry Need Cecil Franklin Harry Need Karl Drobny Kirk J. Hazen Wayne Jalenak Kirk J. Hazen Harry Need Matt Gubitz Kim Hobbs Harry Need S. J. Clark S. J. Clark National Instruments Irena Petrac Cecil Franklin	V049-TN-53 E102 V049-PL-348 V049-PL-349 CM-F047 SER LTR 10/CE-09 SER LTR 9/CE-11 SER LTR 11/CE-12 10524067 W97-7262 00697443,444, &445 00697440 (inv #)	1/1597/Quotation - Complete Computer Care 1/15987/Quotation - Spectrum 1/15987/Quotation - Spectrum 1/15987/Quotation - My Orden re, Failure Detection of 80K Cryopump Vent Line Heater 1/1799/Quotation - Applix 1/2098/Quotation - High Performance Computers 1/2098/Quotation - High Performance Computers 1/2098/Quotation - Ventura Technology Group 1/1798/BSC No.1 Dimensional Inspection 1/2198/Change Order Request (COR) #20 (R O.M Pricing) - Use Prototype BSC as a Production Unit and Delete One BSC Weldment 1/2298/Baffle Project Revisions 1/2298/Settlement Survey Readings 1/2298/Weekly Construction Activity Report: Hanford Site 1/2298/Tensel Phelps Construction Co. Change Estimates - CE #9, Sales Tax Credit 1/2298/Tensel Phelps Construction Co. Change Estimates - CE #11, Install Secondary Electrical (FWD HP-05) 1/2298/Tensel Phelps Construction Co. Change Estimates - CE #11, Install Secondary Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #11, Install Secondary Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Stationes - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Stationes - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Construction Co. Change Estimates - CE #12, Credit Mid Station Electrical (FWD HP-05) 1/2398/Tensel Phelps Con

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C970869-00-O		FWD HP-01	1/29/97 Field Work Directive (FWD) for Hensel Phelps Construction
C970870-00-P	Gail Selby		1/30/97 Quotation - Hydroseal
C970871-00-O	Benton Pud		5/12/97 Invoice for Service Period 4/10/97 to 5/09/97
C970872-00-O	Karl Drobny	LEV-F060	5/16/97 Field Work Directive (FWD) for Levernier Construction, Inc
C970873-00-O	Karl Drobny	LEV-F062	5/16/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970874-00-O	Karl Drobny	LEV-F061	5/16/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C970875-00-O	Karl Drobny	ACME-F-022	5/14/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C970876-00-O	Karl Drobny	LTLVR-F071	5/15/97 Aded Scope of Work Requested by Issue of a Field Work Directive
C970877-00-D	CC Design Company	6915	3/3/97 Invoice - CC Design Development
	Garilynn Billingsley		5/20/97 Optic Shipment
C970879-00-P		051197 (inv. #)	5/11/97 Invoice from Career Services
C970880-00-O		WELL #5	5/19/97 Field Work Directive (FWD) for Well Contractor
C970881-00-V	John Worden	V049-PL-403	5/20/97RGA Calibration
C970882-00-V		V049-PL-404	5/20/97 Transmittal of Signed TIM 58 and TIM 59
	G. Larry Lessard		5/20/97 Cost Estimate for Resetting of LIGO 4 and S.J.B. 101 through 114 to First Order Standards
C970884-00-O	,		5/21/97 Revised Completion Dates and Schedule Delays
C970885-00-O	,	LTLVR-F072	5/20/97 Construction Schedule Update
C970886-00-O	·	LILVICTOIZ	5/20/97 Supporting Documentation for Cost Change to Acme Contract
C970887-00-M	Cas manority	1548072 (inv. #)	4/23/97 Invoice for Legal Services from Perkins Coie
C970888-00-D	Dr. Chris Walsh	1340072 (1117. #)	5/23/97 Progress Report #8
	Garilynn Billingsley		5/23/97 Quote Clarification for Mark Optics
	Garilynn Billingsley		5/28/97 Quote Clarification for Mark Optics
-	Garilynn Billingsley		5/23/97 Technical Direction Memorandum (TDM) 97-006
C970892-00-O	, , ,		5/20/97 Hensel Phelps' Schedule
C970893-00-O	•	FWD-HP-008	5/20/97 Field Work Directive(FWD) for Hensel Phelps Construction, Inc.
	•	FWD-HP-006	
C970894-00-O	· ·	FVVD-HP-U/	5/20/97 Field Work Directive(FWD) for Hensel Phelps Construction, Inc.
C970895-00-O			5/15/97 Hensel Phelps' Schedule
	Ralph M. Parsons Company		5/14/97 Request for Information Log (Sorted by RFI Number)
	Ralph M. Parsons Company		5/14/97 Submittal Summary Log
	Ralph M. Parsons Company		5/14/97 Field Work Directive Log
C970899-00-O	•	0 : 11, "40/05 07	5/7/97 Minutes for Hensel Phelps Weekly Meeting #12 on 7 May 1997
C970900-00-O	Ronnie Myers	Serial Ltr #19/CE-07	5/8/97 Cost Proposal for FWD HP-03
C970901-00-B		CBI-CT 2.2/0243	5/22/97 Invoice Milestone (#14 and #30) Payment
C970902-00-C			5/21/97 Intent to Participate in Data Analysis Proposal
C970903-00-O	•	LTLVR-F074	5/23/97 Independent Weld Inspection of Fabricated Chilled Water Pipe
C970904-00-O		H1311-01	5/22/97 Inspection Report of Carbon Steel Butt Welds for Chilled Water System at the Corner Station Chiller Pad
C970905-00-O	· · · · · · · · · · · · · · · · · · ·	LTC-F0107	5/23/97 Payment Request for FWD RSI-F017, Which is Submitted by Rogers Surveying for Verifying the Fire Water Line as Built Condition
C970906-00-O	•	LTC-F0108	5/23/97 Invoice (#1788) Submitted by Shannon & Wilson
C970907-00-B	*		5/29/97 Technical Direction Memorandum (TDM) 97-030
C970908-00-B		CBI-CT 2.2/0240	5/13/97 CBI Audit Report of Hyspan
C970910-00-O			5/6/97 Minutes of Subcontractors Meeting #24 - Hanford
	Michael Johnson	LCI #40	5/6/97 Thrust Blocks on the Water Line
	Michael Johnson		5/12/97 Installation of Underground Fiberglass Tanks
	Levernier Construction		5/9/97 Certified Payroll & Compliance Statement for LCI and Subcontractors
C970914-00-O	·		5/22/97 Minutes of Construction Meeting #31
C970915-00-O	-	SERIAL LTR 23/CE-1	5/13/97 Cost Proposal for FWD HP-06 - Installation of Additional 4" Conduit at Both End Stations
C970916-00-O	-	SERIAL LTR #20/CE-	5/13/97 Change Estimate #13 for Electrical Revisions - Livingston
C970917-00-O	Harry Need		5/26/97 Hensel Phelps Construction (HPC) Change Estimates
C970918-00-O	Ronnie Myers	SER. LTR #21/CE-08/	5/20/97 Change Estimate #8/Revised
C970919-00-O	Wesley Gifford		4/23/97 Cost Breakdown for New Survey and Grade Setting at Arm 1 BTE Slab Only
C970920-00-O	Irena Petrac		8/3/97 Conflict of Interest Statement/Procurement for IR Interferometer
C970921-00-O	Wesley Gifford		5/12/97 Cost Breakdown for FWD-WW-07 for Addition of One 4" Conduit Elbow at Each End Station
C970922-00-O	Wesley Gifford		5/12/97 Cost Breakdown for Additional Steel Cover Plates at Mid Stations
C970923-00-O	-		5/22/97 Contract Modification Requests from Woodrow Wilson Construction Company\
C970924-00-O	-		5/27/97 Denial of HPC Change Estimate #16
C970925-00-O		SERIAL LTR #22/CE-	5/13/97 Hensel Phelps Construction Change Estimate - CE-16 re. Electrical Conduit Installation
C970926-00-O		,	5/27/97 Denial of Request for Lifting Device Safety Revision
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Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
	Delta Testing & Inspection Inc	, ,	5/27/97 Invoice from Delta Testing and Inspection
	Gilbert P. Beckett	WBC-3440 (inv. #)	5/22/97 Invoice for Milestones 14 and 30
C970929-00-P		052597 (inv. #)	5/25/97 Invoice from Career Services
	Prof. Katherine Creath		6/2/97 Information Desired from Vendors
C970931-00-V	•		5/30/97 Monthly Status Report (CDRL 09-18), APRIL 1997
	David Mc Williams		5/30/97 Monthly Status Report (CDRL 09-18), APRIL 1997
C970931-00-V			5/30/97 Monthly Status Report (CDRL 09-18), APRIL 1997
C970932-00-O	-		5/30/97 Hensel Phelps Construction Updated Schedule
C970933-00-O	-	0501AL LTD #05/05	5/30/97 Authorization Request for Hensel Phelps Construction Change Estimate
C970934-00-O	•	SERIAL LTR #25/CE-	5/28/97 Change Estimate #15 - No Additional Cost for Electrical Drawing Revisions
C970935-00-O	·		5/29/97 Minutes for Construction Meeting #32, 22 May 1997
	Richard Wallace		5/16/97 Proposed Service Contract Proposal for LIGO Laser Support
	Richard Wallace		5/6/97 Request for Progress Payment Relief
	Werner Wiechmann		5/22/97 Configuration Draft
C970939-00-D			6/3/97 Update of Serial 008 with CSIRO
C970940-00-R			6/3/97 Transmittal of Change Order #1 to P.O. PC217149 with University of Florida (UOF)
C970941-00-O			5/28/97 Sales Tax Exemption for Livingston
C970942-00-V		V049-PL-414	6/2/97 Detail Manufacturing and Vendor Schedules
C970943-00-O	,	LTLVR-F077	5/29/97 Crane Rail Alignment
C970944-00-O	,	FWD-HP-10	6/2/97 Field Work Directive (FWD) for Hensel Phelps Construction, Inc.
C970944-01-O	*	FWD-HP-10, Rev 1	6/4/97 Field Work Directive(FWD) for Hensel Phelps Construction, Inc.
C970945-00-O	-	FWD-HP-09	5/30/97 Field Work Directive (FWD) for Hensel Phelps Construction
C970946-00-O	-		5/29/97 Minutes for HP Weekly Meeting #14 on 28 May 1997
C970947-00-O	*		5/29/97 Minutes for WW Weekly Meeting #13
C970948-00-O	*		5/30/97WWC Application for Payment #4
C970949-00-O			5/20/97 Total Sales Tax Incurred for LIGO at Livingston by Stranco
C970950-00-P			7/23/97 SEI First Article Materials Inventory
C970951-00-P	Australian Nationl University	0005724	5/18/97 Statement from Australian National University (ANU)
00-00-00-1/		1/0/0 DI //O	
C970952-00-V		V049-PL-413	6/2/97 Field Labor Classifications
C970953-00-O	Karl Drobny	LTLVR-F078	6/3/97 Wainscot for the VEA and LVEA - Hanford
C970953-00-O C970954-00-O	Karl Drobny Karl Drobny	LTLVR-F078 RFI #002	6/3/97 Wainscot for the VEA and LVEA - Hanford 6/2/97 Request for Information (RFI) #002 -Bidders Questions for RFP, Well #5
C970953-00-O C970954-00-O C970955-00-B	Karl Drobny Karl Drobny Lance Buboltz	LTLVR-F078	6/3/97 Wainscot for the VEA and LVEA - Hanford 6/2/97 Request for Information (RFI) #002 -Bidders Questions for RFP, Well #5 6/3/97 Invoice Milestone Payment #21 - Install and Weld Tube Assemblies 201-250 (WBC-3444, Inv. #)
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C970953-00-O C970954-00-O C970955-00-B C970956-00-D C970957-00-D C970958-00-O C970959-00-D	Karl Drobny Karl Drobny Lance Buboltz Garilynn Billingsley Irena Petrac Ed Jasnow Garilynn Billingsley	LTLVR-F078 RFI #002 CBI-CT 2.2/0248	6/3/97 Wainscot for the VEA and LVEA - Hanford 6/2/97 Request for Information (RFI) #002 -Bidders Questions for RFP, Well #5 6/3/97 Invoice Milestone Payment #21 - Install and Weld Tube Assemblies 201-250 (WBC-3444, Inv. #) 6/4/97 Certification Queries 6/4/97 Final Design Deliverables for Lightwave 6/5/97 Transmittal of IFB EJ-265 (LIGO-C970499-00-O) 6/5/97 Corning Status
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C970953-00-O C970954-00-O C970955-00-B C970956-00-D C970958-00-O C970958-00-O C970960-00-O C970961-00-O C970963-00-P C970965-00-P C970966-00-I C970970-00-O C970971-00-V C970977-00-R C970978-00-O C970983-00-P C970983-00-O C970983-00-O C970983-00-O C970983-00-O C970983-00-O C970983-00-O	Karl Drobny Karl Drobny Lance Buboltz Garilynn Billingsley Irena Petrac Ed Jasnow Garilynn Billingsley Harry Need Harry Need Harry Need Allen Sibley Garilynn Billingsley Irena Petrac Irena Petrac Irena Petrac Irena Petrac Demco Gene Senecal Thomas Kane Rick Savage Rick Savage Karl Drobny Richard Bagley Richard Bagley Career Services Ara Arman Craig Conley	B008083301 V049-PL-415 V049-PL-411 060197 (inv. #)	6/397/Request for Information (RFI) #002-Bidders Questions for RFP, Well #5 6/397/Request for Information (RFI) #002-Bidders Questions for RFP, Well #5 6/397/Request for Information (RFI) #002-Bidders Questions for RFP, Well #5 6/497/Certification Queries 6/497/Enral Design Deliverables for Lightwave 6/997/Transmittal of IFB E-285 (LIGO-C970499-00-0) 6/997/Corning Status 5/20/997/Invoices from Simmons J. Berry 6/497/Schoring Status 5/20/997/Invoices from Simmons J. Berry 6/497/Schoring Status 6/997/Per (Unvoice for May 1997 6/497/Schodule 6/997/Per (Unvoice for May 1997 6/497/Schodule 6/997/Per (Unvoice for May 1997 6/997/Per (Unv

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C970986-00-B	Lance Buboltz	CBI-CT 2.2/0237	5/6/97 Project Status Review Meeting Minutes for 1 May 1997 (CDRL 40n, DRD 19)
C970987-00-B	Lance Buboltz	CBI-CT 2.2/0239	5/12/97 Change Order Request (COR) 19 - Provision of Technical Support for X2 Module
C970988-00-B	Lance Buboltz	CBI-CT 2.2/0238	5/12/97 Change Order Request (COR) 20 - Install Shiney Baffles on Y Arm
C970988-01-B		CBI-CT 2.2/0242	5/13/97 Change Order Request (COR) 20, Revision 1 - Install Shiney Baffles on Y Arm
C970989-00-B	Lance Buboltz	CBI-CT 2.2/0232	4/23/97 Transmittal of Acknowledged/Signed TDM 97-026
C970990-00-B	Lance Buboltz	CBI-CT 2.2/0234	4/30/97 Transmittal of Acknowledged/Signed TDM 97-027
C970991-00-B		CBI-CT 2.2/0236	5/6/97 Beam Tube Material Edge Waviness of Coil Material
	Dr. Carol Langguth	02. 0. 2.2,0200	5/20/97 NSF Approval for Change Order #1 for University of Florida Contract
	Michael Johnson	LCI #41	5/13/97 Crane Rail Alignment
	Levernier Construction	201111	5/30/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors
	Levernier Construction		5/16/97 Certified Payroll & Compliance Statement for Levernier Construction, Inc. and Subcontractors
C970996-00-O			5/22/97 Minutes for Subcontractors Meeting #27 of 22 May 1997
	Levernier Construction		5/30/97 LVEA Materials Scheduled Delivery
C970998-00-B		CBI-CT 2.2/0245	5/21/97 Transmittal of Signed TIM-031B
C970999-00-B		CBI-CT 2.2/0243	5/21/97 Transmittal of Signed TIM-032 and TIM-032A
C971000-00-B		CBI-CT 2.2/0247	6/2/97 Transmittal of Acknowledged/Signed TDM 97-030
	Richard E. Roche	ODI-O1 2.2/0241	5/22/97 Location of Construction Ground Rods
C971001-00-B			5/22/97 Inspection Report - Enlargement of Bolt Holes on Crane Rails
C971002-00-O			6/11/97 Louisiana Sales Tax Exemption Issues with Woodrow Wilson Construction
C971003-00-O		LTC-F0109	6/1/97 Partial Payment Request for Change Order #3 (FWD ACME-F-003) from Acme Materials & Construction
C971004-00-O	,	PAR-L100	5/4/9/ Partial Payment Request for Change Order #3 (FWD ACME-F-003) from Acme Materials & Construction 5/29/97 Application for Payment of FWD-ACME-F-003
C971005-00-O		LTC-F0110	6/4/97 Progress Payment #14 from Acme Materials
C971007-00-O	,	PAR-L098	5/29/97 Application for Payment for Work Through 25 May 1997
C971008-00-O C971009-00-O		LTC-F0111 PAR-L099	6/4/97 Payment Request for FWD ACME-F-021 from Acme Materials
		LTC-F0113	5/29/97 Application for Payment of FWD ACME-F-021
C971010-00-O	,		6/9/97 Progress Payment Request #6 from Levernier Construction Inc for Erecting Beam Tube Enclosures for the Period 4/26/97 through 5/25/97
C971011-00-O	,	LTC-F0114	6/9/97 Progress Payment Request #11 from Levernier Construction, Inc. for Period of Performance from 4/26/97 through 5/25/97
C971012-00-O	,	LTC-F0115	6/10/97 Partial Payment Request for FWD RSI-F016 Submitted by Rogers Surveying
C971013-00-O	, ,	970286 (inv. #)	6/4/97 Invoice from Rogers Surveying
C971014-00-O		LTC-F0112	6/6/97 Scheduled Versus Actual Progress Analysis for the Period 8/8/96 through 5/30/97 for Levernier Construction, Inc.
C971015-00-O		PAR-L101	6/3/97 Release of Retention in Excess of Unresolved Tax Issue and Outstanding Negative Change Order
C971016-00-O	,	LTC-F0125	8/11/97 Levernier Construction, Inc. Scheduled Versus Actual Progress Analysis for the Period 8 August 1996 through 1 July 1997
C971017-00-R			6/5/97 Failure Mode Analysis (FMA) of RGA #9701343
	Werner Wiechmann		6/10/97 Twelfth Monthly Status Report, MAY 1997
C971019-00-D			6/13/97 Packaging Instructions for Optics
C971021-00-D	,		6/13/97 Answers to Questions re RFQ IP-264
	Klaus Freischlad	LEV/ F004	6/12/97 Answers to Questions re. RFQ IP-264
C971023-00-O	,	LEV-F064	6/10/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971024-00-O		LEV-F065	6/11/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971024-01-O	•	LEV-F065-1	8/14/97 Field Work Directive (FWD) for Levernier Construction, Inc.
	Michael Johnson	LCI #42	5/21/97 Construction Schedule Impact 6/16/07 Transmitted of Appears to Questions Asked of Tygo and Phase Shift
C971026-00-P			6/16/97 Transmittal of Answers to Questions Asked of Zygo and Phase Shift
C971027-00-R			6/16/97 FDR Package Shipping Instructions
	Australian NationI University		4/20/97 Statement from Australian National University (ANU)
	Richard Wallace		6/16/97 Acceptance by Lightwave of Change Order #2, Update 1 for P.O. PC198201
C971030-00-B		LINIVOAIT 4 07 04	3/5/97 Big Pasco Weekly Report - Week Ending 3-5-97
C971031-00-P	*	UNVCAIT-4.97.04	3/5/97 Quotation - Advanced Visual Systems Inc.
C971032-00-O		CDI CT 2 2/0240	3/26/97 LIGO Louisiana, Field Weekly Report for the Period 2/26/97 to 3/05/97
C971033-00-B		CBI-CT 2.2/0249	6/11/97 Project Status Review Data Package (CDRL 25Q, DRD 04)
	Werner Wiechmann	LTLVR-F080	6/20/97 LIGO Final Design Review from Lightwave
C971035-00-O	· · · · · · · · · · · · · · · · · · ·		6/12/97 Revising the Construction Schedule at Hanford Site
C971036-00-O	,	LTLVR-F081	6/16/97 Grass Fire Season at Hanford 2/7/07 Report of Material Applyaio: Applyaio of Ope Liquid Sample for Negyaletile Residue Content
C971038-00-B			2/7/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971039-00-O		CM FO40	2/5/97 LIGO Louisiana, Field Weekly Report for the Period 1/22/97 to 2/05/97
C971040-00-O	,	CM-F049	2/5/97 Weekly Construction Activity Report: Hanford Site
C971041-00-B			2/3/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971042-00-B	тип сапреп		2/6/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content

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C971043-00-I	Irena Petrac		6/18/97 Notice of Contract Award for RFQ IP-264 for Infrared Interferometer
C971044-00-P	Mary E. Hallice	5859	2/6/97 Quotation - Advanced Visual Systems Inc.
C971045-00-D	Dr. Chris Walsh		6/17/97 Cost Breakdown on Quotation for Additional Work
C971046-00-O	Karl Drobny		6/17/97 Notification of Well Pump Restoration Work
C971047-00-O	Karl Drobny	LTLVR-F083	6/17/97 Bridge Cranes
C971048-00-O	Michael Johnson		6/3/97 Valley Electric Proposals for FWD LEV-F028
C971049-00-O	Dick Schuchart		6/11/97 Minutes for Subcontractors Meeting #29 on 5 June 1997
C971050-00-O	Michael Johnson		6/10/97 Withholding of Invoice Payment
C971051-00-O	Michael Johnson		6/3/97 Justification of Cancellation Cost from General Electric
C971052-00-O	Michael R. White		5/28/97 Follow-up to RFI #056
C971053-00-O	Michael Johnson	LCI #43	6/5/97 Potential Schedule Impact
C971054-00-O	Karl Drobny	LTLVR-F082	6/16/97 40% Glycol Solution
C971055-00-O	Michael R. White		6/16/97 Concern Regarding Glycol
C971056-00-O	Karl Drobny	LEV-F066	6/16/97 Field Work Directive (FWD) for Levernier Construction Inc.
C971056-01-O	Karl Drobny	LEV-F066-1	8/15/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971057-00-O	Michael R. White		5/27/97 Apollo's Response to LIGO Weld Inspection by Shannon & Wilson
C971058-00-O	Dick Schuchart		6/13/97 Minutes of Subcontractors Meeting #30 on 12 June 1997
C971059-00-O	Michael Johnson		6/10/97 Maintenance of Schedule
C971060-00-O	Jim Allen	PAR-L097	5/29/97 Cost Reductions for FWD ACME-F-015
C971061-00-O	Michael Johnson		6/14/97 Pricing for FWD LEV-F027-3
	Michael Johnson		6/13/97 Certification of Weights for Crane Testing
C971063-00-O	Paul G. Levernier		6/16/97 Comments for Consideration re. Boilermakers' Union Contract Difficulties
C971064-00-P	Carole L. Bowers	3997-00	2/6/97 Quotation - Electron Energy Corporation
C971064-01-P	Carole L. Bowers	3997-01	2/27/97 Quotation - Electron Energy Corporation
C971065-00-P	Mark Optics, Inc.		2/4/97 Quotation - Mark Optics Incorporated
C971066-00-O	Harry Need		2/3/97 Settlement Survey Readings
	Tim Lambert		2/25/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content.
C971068-00-B	Lance Buboltz		2/25/97 Project Status Review Meeting Minutes - February 20, 1997
	Tim Lambert		2/24/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
	Irena Petrac		6/18/97 P.O. PC234670 with Eastern Michigan University for Absorption Measurement on LIGO Optics
	Larry Sherby	Q972102	2/21/97 Quotation - Gentec
	Irena Petrac		6/18/97 Notice of Vendor Selection for RFQ IP-264 - for Infrared Interferometer Procurement
	Irena Petrac		6/18/97 Dunn & Bradstreet Report Request for Senior Flexonics and Pegasus Manufacturing Inc.
	McMaster-Carr Supp. Co.	72040	2/21/97 Quotation - McMaster-Carr
C971075-00-P		Q7B3C	2/20/97 Quotation - Crenlo, Inc.
C971076-00-O	,	014 5054	2/20/97 LIGO Louisiana, Field Weekly Report for the Period 2/05/97 to 2/19/97
C971077-00-O	·	CM-F051	2/12/97 Weekly Construction Activity Report: Hanford Site
C971078-00-P	•	PAW0218W.07E	2/18/97 Quotation - Gateway 2000
C971079-00-O		019334B	6/16/97 Mupac Quotation in Response to LIGO-L970273-00-C)
C971080-00-P		SC11051	2/26/97 Quotation - Spectra-Physics Lasers, Inc.
C971081-00-B		0214 DC Cal Tach	2/14/97 Project Status Review Meeting Agenda - February 20, 1997
C971082-00-P	Irena Petrac	0214 PC Cal Tech	2/14/97 Quotation - Network General
	Irena Petrac		6/20/97 Advance Copy of P.O. PC234670 with EMU for Dr. Wu 6/19/97 P.O. PC234835 with Shanghai Institute of Optics & Fine Mechanics (SIOM) - Delivery of 3 Sapphire Crystals for Consideration
C971085-00-O C971086-00-O	*		6/13/97 Finished Elevations of Slabs - Livingston 6/13/97 Minutes for Woodrow Wilson Weekly Meeting #15
C971087-00-O	•		6/13/97 Minutes for Hensel Phelps Weekly Meeting #15 6/13/97 Minutes for Hensel Phelps Weekly Meeting #16 on 11 June 1997
C971088-00-P	•	3-017-96823	2/13/97 Quotation from National Technical Systems for Precision Cleaning
	Warren A. Carpenter	CDRL No. 30-I	2/13/97 Coupon Outgassing Test Data Heat 11P442, Material Code "I" (DRD #09, CDRL # 30-I)
C971099-00-B	·	V049-PL-360	2/7/97 HAM S/N #1 Inspection
C971091-00-I	<u> </u>	V 070-1 L-000	6/20/97 Transmittal of Memorandum of Understanding (MOU) between the Shanghai Institute of Optics and Fine Mechanics (SIOM) of the Chinese Academy of Sciences, Shanghai, China and the LIGO
C971092-00-B	•	CBI-CT 2.2/0253	6/19/97 Invoice Milestone #15 Payment (WBC-3451)
	Levernier Construction	JDI J1 Z.2/0200	6/13/97 Certified Payroll & Compliance Statement for Levernier Construction and Subcontractors
C971094-00-O			6/19/97 Minutes of Woodrow Wilson Weekly Meeting #16 on 18 June 1997
C971095-00-O			6/19/97 Minutes of Hensel Phelps Weekly Meeting #17 on 18 June 1997
	John J. Desmond		6/3/97 LIGO Outreach Education Center - Drawings/Costs
C971097-00-B			6/23/97 Beam Tube Support Alignment Quality Check #3
OO1 1001-00-D	Larry Jones		6/20/07 Poditi Tabo Support Augustion Additing Official To

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C971098-00-B	CBI		6/27/97 Project Status Review Data Package (DRD 17, CDRL 38-HX2)
C971099-00-B	Larry Jones		7/2/97 Technical Direction Memorandum (TDM) 97-031
C971100-00-B	Larry Jones		7/8/97 Data from Beam Tube Pump Down II
C971101-00-B	*		5/1/97 Results of Beam Tube Support Alignment Quality Check
	Gary Wagner		4/22/97 GPS Survey - Beam Tube/Vacuum Equipment Precision Survey
C971103-00-B	, ,		7/21/97 Technical Direction Memorandum (TDM) 97-032
C971104-00-B	· · · · · · · · · · · · · · · · · · ·		7/24/97 Technical Information Memorandum (TIM) 038
C971105-00-B			7/25/97 Response to CDRL Submittals
	Larry Jones		7/25/97 Response to CDRL Submittals
C971106-00-B			7/25/97 Technical Direction Memorandum (TDM) 97-033, Conditional Approval of CDRL 3,21, 24-5
C971111-00-O		LTLVR-F084	6/19/97 IAC Sound Traps - Hanford
C971112-00-B	<u> </u>	CBI-CT 2.2/0250	6/11/97 Project Status Review (PSR) Meeting Minutes (DRD #19), 11 June 1997
C971113-00-B		CBI-CT 2.2/0254	6/19/97 Module #3 Alignment Data Package (CDRL 15, DRD 36)
C971114-00-B		OBI 01 2.2/0204	3/14/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971115-00-V		V049-PL-376	3/13/97 Varian News Release Request
C971116-00-V	<u> </u>	V049-PL-377	3/13/97 LIGO Building Power Supply Data
C971117-00-O	<u>_</u>	V049-1 L-377	3/12/97 LIGO Louisiana, Field Weekly Report for the Period 3/05/97 to 3/12/97
C971118-00-O		CM-F054	3/12/97 Weekly Construction Activity Report: Hanford Site
C971118-00-O C971119-00-B	<u> </u>	CM-F054 CBI-CT 2.3/0088	
		ODI-O I 2.3/0088	3/4/97 CBI Request for Information (RFI) #27: Hanford - Y - Arm Monument Coordinates
C971120-00-B		LTLV/D FOOF	2/28/97 Bright Annealed (BA) Baffles
C971121-00-O		LTLVR-F085	6/23/97 Packaged Water Treatment Systems, Hanford
C971122-00-P			6/17/97 Hytec's P.O. LIGO-PO-1031 with Senior Flexonics and P.O. LIGO-PO-1032 with Pegasus Manufacturing
C971123-00-I		V040 DL 404	6/24/97 P.O. PC235270 with University of Oregon for Services, Tests of Relativity and Astrophysical Measurements
C971124-00-V		V049-PL-421	6/12/97 Cryopump Spring Modification
C971125-00-V		V049-PL-420	6/12/97 GNB Gate Valve Testing Schedule
C971126-00-V	<u> </u>	V049-PL-419	6/11/97 LIGO/PSI Monthly Meeting Minutes (CDRL 8-22) Clarifications
C971127-00-B			5/22/97 Locations of Construction Ground Rods
C971128-00-B		CBI-CT 2.2/0251	6/18/97 Change Order Request (COR) 021 - Remove and Replace Baffles in Modules X1 and X2
C971129-00-V		V049-PL-425	6/24/97 BSC D Nozzle Leak Found 6/22/97
C971130-00-O		CM-F053	3/5/97 Weekly Construction Activity Report: Hanford Site
C971131-00-V		V049-MM-20	3/19/97 LIGO/PSI Monthly Meeting Minutes (CDRL 8-20) for 6 March 1997
	Tim Lambert		2/28/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content.
C971133-00-O		1 TA ONE FORE	6/24/97 Certificate of Substantial Completion (Partial) for Sitework Portion by ACME Material & Construction, Inc.
C971134-00-O		LTACME-F0035	6/23/97 Acceptance of Completed Work Items
C971135-00-O		LTC-F0116	6/24/97 Transmittal of Invoice from Shannon & Wilson
C971136-00-B		1001 (1 (1)	2/26/97 Shipment of "Bright" Baffles
C971137-00-O		1831 (inv. #)	6/13/97 Invoice for MAY 1997
C971138-00-O		0690	6/16/97 Correspondence with A.C. Dellovade, Inc. re Change Order Request #2
C971139-00-B			2/26/97 Big Pasco Weekly Report - Week Ending 2-25-97
C971140-00-P		20000	3/3/97 Quotation - Sun
C971141-00-F	viark Toney	38806	3/4/97 Invoice - Preferred Telephone Systems, Inc.
C971142-00-D		LCOS1001-A	6/25/97 Quotation (#10054) in Response to RFQ
C971143-00-V	<u> </u>	V049-MM-23	6/25/97 Meeting Minutes for LIGO/PSI Quality Assurance Audit on 18-19 June 1997 (CDRL 8-23)
	Brian D. Anderson		6/20/97 Eastern Michigan University (EMU) Indirect Cost Rate Agreement
C971145-00-D			6/19/97 Delivery of Suprasil 311/312
C971146-00-U			7/2/97 Pixel Based Absolute Topography Test for Three Flats - Draft of Paper to be Presented by NIST
	Research-Electro Optics, Inc.		10/7/97 Stress and Environmental Shift Characterisitcs of HfO2/SiO2 Multi-Layer Coatings
	Prof. Katherine Creath		6/17/97 Invoice for Period 9/96 through 6/17/97
	Prof. Katherine Creath	222722 (1 (1)	6/17/97 LIGO Consulting Report to Accompany Invoice LIGO97-1
	Australian NationI University	228799 (inv. #)	5/1/97 Invoice from Australian National University (ANU)
	Applied Physics - CSIRO	LN052240 (inv. #)	6/18/97 Invoice for Manufacture and Certification of Core Optics (Four Folding Mirrors)
C971153-00-P			6/26/97 Selected pages of P.O. PC188099 with Butler
C971154-00-V	• •		6/19/97 GNB Re-Inspection Criteria
	Brian D. Anderson		6/19/97 Budget for Contract Proposal with EMU for Dr. Wu
C971156-00-P			6/11/97 Quotation from SunService
C971157-00-P			6/17/97 Quotation from Caltex
C971158-00-O	Karl Drobny	LEV-F067	6/24/97 Field Work Directive (FWD) for Levernier Construction, Inc.

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C971159-00-D	Garilynn Billingsley		5/22/97 Response to Progress Report #8
C971160-00-I	John McGuffin	8213575	6/9/97 Acceptance Notification
C971160-00-I	Randy Angleberger	8213575	6/9/97 Acceptance Notification
C971162-00-O		5047 (inv. #)	6/26/97 Invoice from Delta Testing and Inspection
C971163-00-B	Lance Buboltz	CBI-CT 2.2/0256	6/26/97 Invoice Milestone Payment #22 - Install Tube Asssemblies 251-300
C971164-00-O	Karl Drobny	LEV-F068	6/25/97 Field Work Directive (FWD) for Levernier Construction, Inc.
	Michael R. White		6/24/97 Notice of Claim to Provide and Install Glycol for the Cooling Systems
C971166-00-O		975062, 974054-inv.#	6/26/97 Revised Invoices for March and April from Simmons J. Barry for Land Surveying
	Australian Nationl University	0005724	6/15/97 Statement from Australian National University (ANU)
C971171-00-O			6/25/97 Shipping Notification from Apollo Sheet Metal
C971172-00-O	J. Ash		6/24/97 Vane Axial Field Tech Rep Site Visit
C971173-00-L			6/11/97 Monthly Report #2 from Livingston
	Ralph M. Parsons Company		6/27/97 Notice to Comply (NTC) for Wye Electric - Damage to WIP
	Garilynn Billingsley		6/30/97 Closure of Items from the Meeting of 23 June 1997
C971176-00-L			6/26/97 Product Manufacturing without Approved Submittal
C971177-00-L	•	FWD-SJB-02	6/26/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
C971178-00-L	· ·	1 WB 00B 02	6/27/97 New Monument Installation on Arm 1 and Arm 2
C971179-00-L	~		6/27/97 Contractual Surveying Qualifications
	Garilynn Billingsley		6/30/97 Closure of Items from the Meeting of 24 June 1997
C971180-00-D		LEV-F069	6/27/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971181-00-O		LEV-F069-1	8/14/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971181-01-O	,	FDH-9755048	6/26/97 Status of Hanford Contractor Activities in Support of LIGO
C971182-01-O	•	FDH-9755048, R1	7/11/97 Status of Hanford Contractor Activities in Support of Elec
C971183-00-P	•	4312-32802-013 JFM	6/3/97 Invoice for Legal Services from Taylor, Porter, Brooks & Phillips
C971184-00-P	Saridy Fooi	4312-32002-013 JF W	6/19/97 Dun & Bradsheet Business Information Report for Senior Flexonics, Inc.
C971185-00-P			6/19/97 Dun & Bradsheet Business Information Report for Pegasus Manufacturing, Inc.
	Mal Cray		
C971186-00-D	-		6/6/97 Quarterly Report #7 from ANU Physics Department
	Fitzsimmons & Associates		6/27/97 Report of Material Analysis (RMA) - Analysis of one Liquid Sample for Nonvolatile Residue Content
C971188-00-D		070707 0	7/7/97 Monthly Progress Report #13, JUNE 1997
C971189-00-O		970707-0	7/7/97 Construction Management Team at Livingston
C971190-00-O		LTLVD FOOT	7/3/97 Unilateral Directive - Accelerated Schedule
C971191-00-O	·	LTLVR-F087	7/1/97 Work Items Not Completed on 27 June 1997 for the SW Arm Mid-Station
C971192-00-O C971193-00-O	·	LTLVR-F086 RSI-019	7/1/97 Operation and Maintenance Manuals 7/1/97 Field Work Directive (FWD) for Rogers Surveying, Inc.
C971194-00-B	•	CBI-CT 2.2/0257	7/7/97 Signed TIM-032B and TIM-033 and Acknowledged Receipt for TDM 97-031
C971194-00-B		CDI-C1 2.2/0231	7/8/97 P.O. PC235813 with Bill Hawkins & Sons, Inc. for Installation of Fences/Gates at Livingston
C971196-00-P	Eu Jasilow	070797-SMD-A	7/7/97 Quotation from II-VI Incorporated for Aspheric Eyepiece and Parabolic Mirror
C971197-00-B	Tim Lambort	070797-3WD-A	3/17/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971199-00-O C971200-00-B	•		3/19/97 LIGO Louisiana, Field Weekly Report for the Period 3/12/97 to 3/19/97 3/19/97 Big Pasco Weekly Report for Week Ending 3/19/97
		CM-F055	
C971201-00-O	·		3/19/97 Weekly Construction Activity Report: Hanford Site
	Warren A. Carpenter	CDRL No.30-J	3/20/97 Coupon Outgassing Test Data Heat 11P331, Material Code "J", DRD No. 09, CDRL No. 30-J
C971203-00-P		Q703994451	3/20/97 Quotation - Omega Engineering, Inc.
	High Performance Computers		3/20/97 Quotation - High Performance Computers
C971205-00-P	·	OPQ-1712	3/20/97 Quotation - Research Electro-Optics, Inc.
	High Performance Computers	E1057	3/21/97 Quotation - High Performance Computers
	Georzann Chaco		3/21/97 Quotation - Sunservice
C971208-00-B			3/22/97 Bright Annealed(BA) Baffles Additional Quantity of 1050
C971209-00-B			3/24/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content 3/25/97 Soil Cement Treatment at Arm 1 Service Road
C971210-00-O	-		
C971211-00-B			3/26/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971212-00-O			3/27/97 LIGO Louisiana, Field Weekly Report for the Period 3/19/97 to 3/26/97
C971213-00-B		0407474	3/28/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971214-00-P		Q127471	3/28/97 Quotation - Newport Corp.
C971215-00-P	·	8287	3/28/97 Quotation - TestEquity
C971216-00-P		19048	3/28/97 Quotation - Electronic Solutions Sales
C9/121/-00-D	Werner Wiechmann		7/3/97 Minutes of Final Design Review Meeting

Document No	Full Name	ContractorDocNo D	oc Dt Full Title
C971218-00-P	Dave Bailey	DVME-097-03-6292	3/28/97 Quotation from L. A. Sales, Inc. for VMEbus Mainframes
C971219-00-D	Lightwave Electronics Corp		6/27/97 Final Design Review (FDR) Package from Lightwave
C971220-00-B		CBI-CT 2.2/0258	7/7/97 Invoice Payment (Invoice #WBC-3454) for Milestones #5 and Revised Costs for #20 and #21
C971221-00-P		925752 (inv. #)	6/30/97 Statement from West Coast Porcelain
C971222-00-O	Karl Drobny	LTC-F0119	7/3/97 Progress Payment Request #7 Submitted by Levernier Construction, Inc. (inv. #5811)
C971223-00-O	Karl Drobny	LTC-F0118	7/3/97 Progress Payment Request #12 Submitted by Levernier Construction, Inc.
C971224-00-O	Karl Drobny	LTC-F0117	7/3/97 Levernier Construction, Inc. Scheduled versus Actual Progress Analysis for Period 8/8/96 through 6/30/97
C971225-00-O			5/9/97 Quotations from Valley Electric Co. in Response to FWD #69
C971226-00-O			6/24/97 Delivery Schedule for four Conductor Tray Cable
C971227-00-O	Michael Johnson		7/3/97 Custom Tile Cost Revisions
C971228-00-O	Michael Johnson		7/1/97 Pricing for FWD LEV-F062 - Single Grid Smooth Grey Block and Architectural Colored Block
C971229-00-O	Michael Johnson	LCI #45	6/26/97 List of Incomplete Items at Mid Station B
C971230-00-O	Michael Johnson		6/28/97 Apollo Operations and Maintenance Submittal Log
C971231-00-O	Karl Drobny	LEV-054	4/28/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971232-00-O	Karl Drobny	LEV-F070	7/3/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971233-00-O	Karl Drobny	LEV-F071	7/3/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971234-00-D	William O. Miller		6/23/97 Replan of the SEI Subsystem
C971234-00-D	Tim Thompson		6/23/97 Replan of the SEI Subsystem
C971234-01-D	William O. Miller		7/9/97 Replan of the SEI Subsystem
C971234-01-D	Tim Thompson		7/9/97 Replan of the SEI Subsystem
C971234-A-D	Tim Thompson		7/15/97 HYTEC Re-Plan
C971234-A-D	William O. Miller		7/15/97HYTEC Re-Plan
C971235-00-P		046295 (inv. #)	6/30/97 Invoice from Butler Service Group
C971236-00-V	Richard Bagley	V049-PL-428	7/3/97 Detail Manufacturing and Vendor Schedules
C971237-00-V	Richard Bagley		7/3/97 Monthly Status Report (CDRL 09-19), MAY 1997
C971237-00-V	Paul Hendry		7/3/97 Monthly Status Report (CDRL 09-19), MAY 1997
C971237-00-V	David Mc Williams		7/3/97 Monthly Status Report (CDRL 09-19), MAY 1997
C971238-00-O	Demco		7/1/97 Invoice from Demco for 6/2/97 through 7/1/97
C971239-00-O	Armin Vogt	CM-F071	7/9/97 Weekly Construction Activity Report - Hanford
C971240-00-B	Fitzsimmons & Associates		7/9/97 Report of Material Analysis (RMA) - Analysis of One Liquid Sample for Nonvolatile Residue Content
C971241-00-O	Bill Byrd	CR-9510 (inv. #)	7/9/97 Invoice from Stranco - Closeout
C971242-00-V	Richard Bagley	CT101	7/10/97 Transmittal of 1)Installation & Commissioning Specification and 2)Electrical & Instrument Construction Specification
C971243-00-V	Gene Senecal	V049-PL-430	7/9/97 Discrepancy Reports
C971244-00-O	Bob Beter		7/7/97 Minutes for Woodrow Wilson Weekly Meeting #18 on 2 July 1997
C971245-00-O	Bob Beter		7/7/97 Minutes for Hensel Phelphs Weekly Meeting #19 on 2 July 1997
C971246-00-O	Asghar Nosrati	FWD-DT-01	7/10/97 Field Work Directive (FWD) for Delta Testing & Inspection, Inc.
C971247-00-O	Asghar Nosrati		7/10/97 Contract Retainage
C971248-00-O	Bob Beter	976050 (inv. #)	6/30/97 Invoice from Simmons J. Barry
C971249-00-O	Ronnie Myers	Serial Ltr #38A	7/3/97 Pay Application #6 from Hensel Phelps for June 1997
C971250-00-O	S. J. Clark	00754449 (inv #)	7/10/97 Invoice for Period Ended 27 June 1997
C971251-00-O	S. J. Clark		7/10/97 Invoices (00754452, 00754453, 00754454) for Period Ended 27 June 1997
C971252-00-O	Capital Industries	0081770 (inv. #)	6/30/97 Invoice for Serrated Baffles
	West Coast Porcelain	925834	7/2/97 Invoice for Firing of Baffles
C971254-00-B	Lance Buboltz	CBI-CT 2.2/-0259	7/10/97 Agreed Upon Recommendations for TDM 97-031
C971255-00-O	Asghar Nosrati		7/9/97 Livingston Field Weekly Report for 7/3/97 - 7/9/97
C971256-00-O			6/27/97 Livingston Field Weekly Report for 6/18/97 through 6/25/97
C971257-00-O	<u> </u>		7/2/97 Livingston Field Weekly Report for 6/26/97 through 7/2/97
C971258-00-B	Mike Holmes		5/29/97 IMTEC's "Raw Data" on Level Loop for Module 7/8
C971259-00-O	Karl Drobny		7/2/97 Weekly Construction Activity Report for Hanford Site for Period 6/26/97 through 7/2/97
C971260-00-P		X9703730B	7/2/97 Quotation from Knurr USA, Inc. for 19" Modular Chassis/VME Systems Enclosure
C971261-00-O	·		6/4/97 Livingston Field Weekly Report for the Period 5/28/97 through 6/4/97
C971263-00-O	*	LEV-F072	7/15/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971264-00-O	•	LTLVR-F088	7/15/97 Chilled Water Circulation Pumps
C971265-00-O	_	PAR-L102	7/16/97 Beam Tube Enclosure Sections - Rejection Claim
C971266-00-D			7/17/97 Acceptance Criteria and Proposed Revisions to Acceptance Plan
C971267-00-D		HYTEC-TS-LIGO-05a	6/20/97 Material, Process, Handling, and Shipping Specification for Fluorel Parts
C971268-00-D	Eric Ponslet	HYTEC-TS-LIGO-06	7/14/97 Material, Process, Handling, and Shipping Specification for Damped Coil Springs
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C971269-00-D	1	HYTEC-TN-LIGO-17	6/5/97 Low Frequency Damping Measurement Setup and First Results
C971270-00-B		CBI-CT 2.2/0246	5/28/97 Beam Tube Alignment
С971270-00-В С971271-00-В		CBI-CT 2.2/0240	7/9/97 Draft, Agenda for CIT/MIT/CBI Project Status Review Meeting on 16 July 1997
C971271-00-B	Lance Bubbliz	22044406 (Dand #)	· · · · · · · · · · · · · · · · · · ·
C971272-00-O	Stove Hend	33944496 (Bond #) CBI RFI #30, Rev 0	6/2/97 Contract Surety/Bond for Levernier Construction, Inc.
		CBI RFI #30, Rev 0	7/10/97 Request for Information (RFI) #30 - Livingston Site Monuments and Brass Markers
C971274-00-B	-		7/11/97 Fortran Source Programs
C971275-00-B	*		6/27/97 RSI's Tasking for Beam Tube Alignment Checks
	Garilynn Billingsley	V040 DL 404	7/18/97 Transmittal Attempts for Input Test Mass Drawing
C971277-00-V	* *	V049-PL-431	7/17/97 Change Order Request (COR) #27 - Additional Vacuum Pumping Equipment for Louisiana Site
C971278-00-O	,	LTC-F120	7/16/97 Partial Payment Request for Fieldwork Directive #RSI-F018, Which is Submitted by Rogers Surveying for Verifying Installing Survey Monuments in the VEA and LVEA Floors
	Garilynn Billingsley		7/18/97 Recycling Mirrors
	Dr. Chris Walsh	07404	7/21/97 Recycling Mirrors
C971281-00-V	0 ,	CT104	7/16/97 Transmittal of PSI Drawings
	Applied Physics - CSIRO		7/14/97 In Process Review, Program Status
	Applied Physics - CSIRO		7/14/97/3D Map of the LADI Reference Data File
	Applied Physics - CSIRO		7/14/97 2D Scan of the LADI Reference Data File, Power -20nm Is Subtracted
	Applied Physics - CSIRO		7/14/97 Description of Calibration Method Used for the LADI
C971286-00-P		LTAGNE FORCE	7/23/97 Caltech-Furnished Property in Support of the SEI First Article Demonstration
C971287-00-O		LTACME-F0036	7/17/97 Precast Beam Tube Enclosure Inspection by LIGO Construction Management
C971288-00-V		V049-PL-432	7/17/97 Transmittal of GNB 48" Weld/Weld Valve Outline Drawings
C971289-00-B		CBI-CT 2.2/0262	7/18/97 Project Status Review (PSR) Meeting Minutes (DRD 19)
C971290-00-B		CBI-CT 2.2/0263	7/17/97 Invoice Milestone Payment (inv. #WBC-3460)
C971291-00-D		ODI OT 0 0/0004	7/2/97 LIGO Acceptance Plan, Proposed
C971292-00-B		CBI-CT 2.2/0261	7/16/97 Project Status Review Data Package (CDRL 25R)
C971293-00-B		CBI-CT 2.2/0265	7/22/97 Invoice for Reimbursable WA Sales Tax (WBC-3462, Inv. #)
C971294-00-B		CBI-CT 2.2/0264	7/21/97 Invoice Milestone #23 Payment - Install and Weld Tube Assemblies 301-350
C971295-00-O	,	LTC-F0121	7/21/97 Invoice #1861 Submitted by Shannon & Wilson, Inc., for Period Through 28 June 1997
C971296-00-O	Benton Pud		7/11/97 Invoice from Demco, Period 6/10/97 through 7/10/97
0074007.00.0			
	Levernier Construction		6/26/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors
C971298-00-O	Levernier Construction	11.4044.04	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors
C971298-00-O C971299-00-O	Levernier Construction Dee Burrie	H-1311-01	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford
C971298-00-O C971299-00-O C971300-00-O	Levernier Construction Dee Burrie Michael Johnson	CP-67	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067
C971298-00-O C971299-00-O C971300-00-O C971301-00-O	Levernier Construction Dee Burrie Michael Johnson Michael Johnson	CP-67 CP-58	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971302-00-O	Levernier Construction Dee Burrie Michael Johnson Michael Johnson Michael Johnson	CP-67 CP-58 CP-44	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971302-00-O C971303-00-O	Levernier Construction Dee Burrie Michael Johnson Michael Johnson Michael Johnson Michael Johnson	CP-67 CP-58 CP-44 CP-54	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044 7/3/97 Re-Pricing for FWD LEV-F054
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971302-00-O C971303-00-O C971304-00-O	Levernier Construction Dee Burrie Michael Johnson Michael Johnson Michael Johnson Michael Johnson Michael Johnson	CP-67 CP-58 CP-44	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044 7/3/97 Re-Pricing for FWD LEV-F054 7/7/97 Pricing for FWD LEV-F059
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971302-00-O C971303-00-O C971304-00-O C971305-00-O	Levernier Construction Dee Burrie Michael Johnson	CP-67 CP-58 CP-44 CP-54	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044 7/3/97 Re-Pricing for FWD LEV-F054 7/7/97 Pricing for FWD LEV-F059 7/11/97 H.B. Painters Letter re. Reservation of Rights
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971302-00-O C971303-00-O C971304-00-O C971305-00-O C971306-00-D	Levernier Construction Dee Burrie Michael Johnson Michael Johnson Michael Johnson Michael Johnson Michael Johnson Michael Johnson Rick Savage	CP-67 CP-58 CP-44 CP-54	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F054 7/3/97 Re-Pricing for FWD LEV-F054 7/7/97 Pricing for FWD LEV-F059 7/11/97 H.B. Painters Letter re. Reservation of Rights 8/5/97 Technical Direction Memorandum (TDM) 04 - Fabrication of the LIGO 10-W Lasers
C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971303-00-O C971304-00-O C971305-00-O C971306-00-D C971307-00-O	Levernier Construction Dee Burrie Michael Johnson Michael Johnson Michael Johnson Michael Johnson Michael Johnson Michael Johnson Rick Savage Wesley Gifford	CP-67 CP-58 CP-44 CP-54	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044 7/3/97 Re-Pricing for FWD LEV-F054 7/7/97 Pricing for FWD LEV-F059 7/11/97 H.B. Painters Letter re. Reservation of Rights 8/5/97 Technical Direction Memorandum (TDM) 04 - Fabrication of the LIGO 10-W Lasers 7/17/97 WWC Application for Payment #5
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C971298-00-O C971299-00-O C971300-00-O C971301-00-O C971303-00-O C971304-00-O C971305-00-O C971306-00-D C971307-00-O C971311-00-O C971312-00-O	Levernier Construction Dee Burrie Michael Johnson Wichael Johnson Kick Savage Wesley Gifford Karl Drobny Ralph M. Parsons Company	CP-67 CP-58 CP-44 CP-54	7/8/97 Certified Payroll and Compliance Statement for Levernier Construction, Inc. and Subcontractors 6/4/97 Inspection of Foundation Slab at Hanford 7/3/97 Pricing for FWD LEV-F067 7/7/97 Pricing for FWD LEV-F058 7/7/97 Pricing for FWD LEV-F044 7/3/97 Re-Pricing for FWD LEV-F054 7/7/97 Pricing for FWD LEV-F059 7/7/197 Ha. Painters Letter re. Reservation of Rights 8/5/97 Technical Direction Memorandum (TDM) 04 - Fabrication of the LIGO 10-W Lasers 7/1/197 WWC Application for Payment #5 7/21/97 Minutes for Construction Meeting #33, 17 July 1997 7/16/97 Request for Project Manager Replacement
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Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
C971331-00-B	Lance Buboltz	CBI-CT 2.2/0267	7/23/97 Notification of Acceptance Test of Module hX1
C971332-00-O	Karl Drobny	LAND-001	7/24/97 Field Work Directive (FWD) - Request for Landscape Proposal for Hanford Site
C971333-00-O	Michael Johnson		7/14/97 Pricing for FWD LEV-F026-1
C971334-00-O	Michael Johnson		7/15/97 Pricing for FWD LEV-F042
C971335-00-O	Michael Johnson		7/14/97 Pricing for FWD LEV-F014
C971336-00-O	Karl Drobny	ACME-F-023	7/24/97 Field Work Directive (FWD) for Acme Materials & Construction Co.
C971337-00-O	Asghar Nosrati		7/24/97 Monument Locations
C971338-00-O	Asghar Nosrati		7/23/97 Livingston Field Weekly Report for the Period 7/16/97 to 7/23/97
C971339-00-O	Michael Johnson		7/14/97 Pricing for FWD LEV-F018-1
C971340-00-O	Bob Beter	FWD-DT-02	7/10/97 Field Work Directive (FWD) for Delta Testing & Inspection, Inc.
C971341-00-O	Asghar Nosrati	FWD-HP-012	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971342-00-O	Asghar Nosrati	FWD-HP-13	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971343-00-O	Asghar Nosrati	FWD-HP-14	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971344-00-O	Asghar Nosrati	FWD-HP-15	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971345-00-O	Asghar Nosrati	FWD-HP-16	7/25/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971346-00-O	Asghar Nosrati	FWD-HP-17	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971347-00-O	Ronnie Myers	FWD-HP-18	7/24/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971348-00-O	Bob Beter	FWD-HP-19	7/25/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971350-00-B	Tim Lambert		5/29/97 Report of Material Analysis: Analysis of Two Liquid Samples for Nonvolatile Residue Content.
C971352-00-O	Karl Drobny	CM-F065	5/29/97 Weekly Construction Activity Report: Hanford Site
C971353-00-P			5/27/97 Quotation - Apunix Computer Services
C971354-00-P	•		5/27/97 Quotation - Caltex Plastics
C971355-00-P	Cynthia Barocio		5/28/97 Quotation - Caltex Plastics
C971356-00-O	Karl Drobny	CM-F064	5/21/97 Weekly Construction Activity Report: Hanford Site
	Tim Lambert		5/21/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971358-00-O			5/21/97 LIGO Louisiana, Field Weekly Report for the Period 5/14/97 to 5/21/97
	Tim Lambert		5/21/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content.
C971360-00-V	· ,	V049-PL-402	5/19/97 Bakeout Data
C971361-00-P	•	Q128099, Rev 1	5/16/97 Quotation - Newport
	Tim Lambert		5/15/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
	Mark Optics, Inc.	785	5/15/97 Quotation - Mark Optics Inc.
C971365-00-O			7/30/97 Supplements for JPL Work Orders
	Garilynn Billingsley		7/30/97 Recycling Mirror Delivery
C971367-00-O	-	CM-F063	5/14/97 Weekly Construction Activity Report: Hanford Site
	Michael Johnson		7/15/97 Pricing for FWD LEV-F041-1
	Michael Johnson	LTIND FOOT	7/15/97 Pricing for FWD LEV-F046-1
C971370-00-O	·	LTLVR-F091	7/28/97 Building Insulation - Hanford
C971371-00-P	-	OPQ-1828	5/12/97 Quotation - Research Electro-Optics, Inc.
-	National Instruments	Q94619	5/12/97 Quotation - National Instruments
	National Instruments	Q94354	5/8/97 Quotation - National Instruments 5/8/97 Report of Material Applyaic: Applyaic of One Liquid Sample for National Residue Content
C971374-00-B		CM FOGS	5/8/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
C971375-00-O	•	CM-F062	5/7/97 Weekly Construction Activity Report: Hanford Site
C971376-00-P	_	8987 CC	5/2/97 Quotation - Kinetic Systems
C971377-00-P	High Performance Computers	Q128099 E1068	5/2/97 Quotation - Newport 5/2/97 Quotation - High Performance Computers
C971378-00-P C971379-00-O	riigii renoimance Computers	L 1000	7/15/97 Insulation for Hanford Buildings
C971379-00-O	Karl Drohny	LTLVR-F090	7/15/97 Insulation for Hanford Buildings 7/28/97 Request for Updated Official Contract Construction Schedule
C971381-00-V	· · · · · · · · · · · · · · · · · · ·	V049-PL-392	5/1/97 LIGO/PSI Monthly Meeting Minutes
	Michael Johnson	V 073 1 L-332	7/11/97 Department of Health Approval for LIGO Facility On-Site Sewage System, Fiberglass Two Compartment 4,500 Gallon Septic Tank with Attached 6,000 Gallon Dosing Chamber
C971383-00-O		CM-F061	4/30/97 Weekly Construction Activity Report: Hanford Site
	Michael Johnson	CIVI I GOT	7/14/97 Pricing for FWD LEV-F023-1
C971385-00-P		RG1207	4/30/97 Quotation - Techron
C971386-00-P		4380	4/29/97 Quotation - Tritek Solutions, Inc.
	McMaster-Carr Supp. Co.	6063247-01	4/24/97 Quotation - McMaster-Carr Supply Company
C971388-00-B		5555217 01	4/24/97 Project Status Review Meeting Agenda for May 1, 1997 - Preliminary
C971389-00-D		CM-F060	4/23/97 Weekly Construction Activity Report: Hanford Site
C971390-00-B	·		4/23/97 Report of Material Analysis: Analysis of One Liquid Sample for Nonvolatile Residue Content
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C971391-00-V		Contractor Boorto	4/22/97 PSI Fabrication Status for Week of 4/18/97
C971391-00-V			7/31/97 P.O. PC237583 with Praxair, Inc. for Delivery of Liquid Nitrogen to Hanford Site
C971393-00-P		X9703730, Rev A	4/22/97 Quotation - Knurr USA. Inc.
C971394-00-O		A9703730, Nev A	7/23/97 Minutes for WW Weekly Meeting #20
C971395-00-O			7/23/97 Minutes for HP Weekly Meeting #20
C971396-00-O			, , , ,
			8/1/97 Notice of Award, Contract PC27583 (LIGO-C971392-00-O) - Supply of Liquid Nitrogen to the LIGO Project at Hanford
C971397-00-O		EMD HD 04	7/21/97 Quotation for Provision of Transformers for the Bakeout - Hanford
C971398-00-O	•	FWD-HP-21	7/31/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971399-00-O		FWD-HP-23	7/31/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971400-00-O	-		7/31/97 Field Engineering
	Klaus Freischlad		7/24/97 Overview of the Menu-Structure of OptiCode
	Garilynn Billingsley		7/14/97 Action Items Arising from In-Process Review
	Applied Physics - CSIRO		7/14/97 Derivation of PSD Plots
	Garilynn Billingsley		7/14/97 Comparison of CSIRO and HDOS Results for Measurement of Pathfinder SN001
	Applied Physics - CSIRO		7/14/97 LIGO Pathfinder Optics: Fabrication Techniques and Procedures
	Applied Physics - CSIRO		7/14/97 Metrology of LIGO Pathfinder Optics
	Applied Physics - CSIRO		7/14/97 Analysis of High Spatial Frequency (HSF) Roughness Data
	Applied Physics - CSIRO		7/14/97 Delivery Schedule for Polished LIGO Core Optics
C971409-00-B		CBI-CT 2.2/0268	7/30/97 Request for Information (RFI) #31 - Damage to the BDF Ductwork
C971410-00-O			7/29/97 Special Requirements of Article 645
C971411-00-O	Dee Burrie	H-1311-01	7/31/97 Observation of Soil Conditions In Roadway Area Around Northwest Arm Mid and End Stations
C971412-00-P		Q129548	7/21/97 Quotation from Newport Corporation
C971413-00-P			7/21/97 Quotation from Kentek Corporation
	Garilynn Billingsley		7/21/97 Preliminary Data Reduction
C971415-00-D			8/5/97 LIGO Article - Use of Caltech's Name
C971416-00-V	~ .	97080001 (inv. #)	8/1/97 Invoice from PSI for Milestones 17E (1/2) and 17F
C971417-00-O	,	LEV-F074	7/31/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971418-00-O	,	LEV-F075	7/31/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971419-00-O	,		7/24/97 Minutes for Construction Meeting #34
	Garilynn Billingsley		8/5/97 Measurement of Coated Optics
C971420-00-D			8/5/97 Measurement of Coated Optics
C971421-00-P			8/5/97 Supplement #2 to Work Order 97838
	David Mc Williams		8/4/97 Monthly Status Report (CDRL 09-20), JUNE 1997
C971422-00-V	,		8/4/97 Monthly Status Report (CDRL 09-20), JUNE 1997
C971422-00-V	~ .		8/4/97 Monthly Status Report (CDRL 09-20), JUNE 1997
C971423-00-B	Mike Fowler		7/31/97 Wiggle Points
C971424-00-O			6/16/97 CONTECH Super Span Arch
C971425-00-O	*		7/18/97 Arm 2 BTE Slab Acceleration Schedule
C971426-00-V	·	V049-PL-431	7/18/97 Change Order #27 - Additional Details on Edward's Standard Warranty
C971427-00-P			7/18/97 Quotation from DSP Technology
C971428-00-V	~ .	V049-PL-437	7/22/97 Transmittal of LIGO/PSI Monthly Progress Meeting Minutes for 7/10/97
C971429-00-V	~ .	V049-MM-24	7/22/97 LIGO/PSI Monthly Meeting Minutes for 10 July 1997 (CDRL 8-24)
C971430-00-B	warty relialian	CBI-CT 2.3/0104	8/5/97 Conductivity of Support Components
C971431-00-P	D: 1	Q102382	8/5/97 Quotation from National Instruments
C971432-00-V	~ .	V040 EL 400	8/5/97 Washington Site Vacuum Equipment Installation
C971433-00-V	Gene Senecal	V049-PL-439	7/28/97 Rolled Shell with Flawed Surface Finish
C971434-00-P	Maman A O	97-3649-SC	8/1/97 Quotation from United Lens Company, Inc.
	Warren A. Carpenter	0504	7/24/97 Nonconformance Report (NCR) #064 - Coupon Testing
C971436-00-P	Lawri lawa -	2524	8/4/97 Quotation from Met One
C971437-00-B		V040 PL 440	7/24/97 9th International Conference on Pressure Vessel Technology
C971438-00-V	~ .	V049-PL-443	8/5/97 Detail Manufacturing and Vendor Schedules
	Randy VanBrocklin	LAND COA	8/1/97 Proposal Response for Thickness Reduction on 4 Remaining Recycling Mirror Blanks
C971441-00-O	·	LAND-001	8/4/97 Field Work Directive (FWD) for Landscape Contractor
C971442-00-O	·	LTLVD F000	8/1/97 Southwest Arm Mid and End Stations Completion
C971443-00-O	·	LTLVR-F093	8/4/97 Sub Surface Soil Condition at the Northwest Arm Mid and End Station
	ILIZIE NESS	1	8/6/97 Material Properties
C971444-00-D	Garilynn Billingsley		8/6/97/Fax Status

Document No	Full Name	ContractorDocNo D	Ooc Dt Full Title
	Randy VanBrocklin	Contractor Doctio	8/6/97 Fax Status
	Randy VanBrocklin		8/1/97 Absorption Samples
C971447-00-V	*	V049-PL-445	8/7/97 Change Order Request (COR) #26 - Supply of Spare Baked Viton O-Rings
	Garilynn Billingsley	V043-1 L-443	8/9/97 Phase Shift Liaison
	Garilynn Billingsley		8/11/97 Technical Direction Memorandum (TDM) 97-007
C971451-00-O		LTC-F0122	8/6/97 Second Partial Payment Rquest for FWD RSI-F018, Which is Submitted by Rogers Surveying, For Verifying Installing Survey Monuments in the VEA and LVEA Floors
C971452-00-O	,	L10-10122	8/5/97 Change Estimate #24 for RFI HP040 - Increase Size of Chiller Pads
C971453-00-O	,	Ser	8/5/97 Change Estimate #27 for RFI HP-083 - Concrete Slabs at Exterior Doors
C971455-00-O	-	Serial Letter #57	8/5/97 Change Estimate #28 for FWD HP-11 - Additional Floor Sink in LVEA Mechanical Room
C971457-00-O	•	FWD-SJB-06	
C971457-00-O		FWD-HP-28	8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
		FVVD-ПР-20	8/5/97 Field Work Directive (FWD) for Hensel Phelps Construction Co.
C971464-00-O C971465-00-B	•	CBI-CT 2.2/0270	7/25/97 Project Status Report, Period Ending 25 July 1997 (CDRL 05, DRD 02)
		LEV-F073	8/6/97 Change Order Request (COR) #21 - Remove/Replace Baffles in Modules X1 and X2
C971466-00-O C971467-00-P	Kan Drobny	E1062	7/30/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971468-00-V	Dishard Daglay	V049-PL-446	8/8/97 Quotation from High Performance Computers 8/8/97 Signed TIM's 64, 65, 66, 67
	* *	V049-PL-446	
C971470-00-D			8/7/97 Fourteenth Monthly Status Report, JULY 1997
	Werner Wiechmann		8/7/97 Fourteenth Monthly Status Report, JULY 1997
	Garilynn Billingsley		8/12/97 Configurations
	Marc Schneider		8/13/97 Heraeus Delivery
C971473-00-D			8/13/97 LIGO Large Optics Inventory as of 13 August 1997
C971474-00-D	Tim Thompson	=	8/12/97 Contract Information from Hytec
C971475-00-P		E108	8/12/97 Quotation from High Performance Computers
	Dr. Chris Walsh	CB 276	8/6/97 Transmittal of Signed TDM 97-006A
C971477-00-B			7/2/97 Report of Material Analysis: One Liquid Sample for Nonvolatile Reside Content
C971478-00-B		CBI-CT 2.3/0090	3/5/97 Request for Information (RFI) No. 28 - Ambient Air Temperature Monitoring During Module Acceptance Tests
C971479-00-D			8/14/97 Ta205 Experiments
C971480-00-O	Ronnie Myers	Serial Letter #82	8/12/97 HPC Pay Application #7, Revised
C971481-00-O	,	LTC-F0124	8/8/97 Progress Payment Request #8, from Levernier Construction, Inc., for Erecting Beam Tube Enclosures for the Period 26 June through 25 July 1997
C971482-00-O	Karl Drobny	LTC-F0123	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97
C971482-00-O C971483-00-O	Karl Drobny Ronnie Myers	LTC-F0123 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs
C971482-00-O C971483-00-O C971484-00-O	Karl Drobny Ronnie Myers Ronnie Myers	LTC-F0123	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle
C971482-00-O C971483-00-O C971484-00-O C971486-00-O	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri	LTC-F0123 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971487-00-D	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley	LTC-F0123 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971487-00-D C971488-00-V	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley	LTC-F0123 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14)
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971487-00-D C971488-00-V C971489-00-D	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley Ken Scribner	LTC-F0123 Serial Letter #79 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14) 8/14/97 Radius of Curvature
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971487-00-D C971488-00-V C971489-00-D C971491-00-V	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley Ken Scribner Richard Bagley	LTC-F0123 Serial Letter #79 Serial Letter #79	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14) 8/14/97 Radius of Curvature 7/8/97 Transmittal of I/O Instrument List
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971487-00-D C971489-00-D C971491-00-V C971492-00-V	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley Ken Scribner Richard Bagley Richard Bagley	LTC-F0123 Serial Letter #79 Serial Letter #79 CT100 V049-PL-447	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14) 8/14/97 Radius of Curvature 7/8/97 Transmittal of I/O Instrument List 8/14/97 Change Order Request (COR) #28 - Provide and Install Chilled Water Booster Pump Systems
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971488-00-V C971489-00-D C971491-00-V C971492-00-V C971493-00-O	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley Ken Scribner Richard Bagley Richard Bagley Karl Drobny	CT100 V049-PL-447 LTLVR-F059	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14) 8/14/97 Radius of Curvature 7/8/97 Transmittal of I/O Instrument List 8/14/97 Change Order Request (COR) #28 - Provide and Install Chilled Water Booster Pump Systems 3/31/97 Request for Information (RFI) #88 - Metal Door Jambs in Masonry Walls
C971482-00-O C971483-00-O C971484-00-O C971486-00-O C971488-00-V C971489-00-D C971491-00-V C971493-00-O C971493-00-O C971494-00-O	Karl Drobny Ronnie Myers Ronnie Myers Fred Asiri Garilynn Billingsley Richard Bagley Ken Scribner Richard Bagley Richard Bagley Karl Drobny Mel Weingart	LTC-F0123 Serial Letter #79 Serial Letter #79 CT100 V049-PL-447 LTLVR-F059 970813-0	8/7/97 Progress Payment Request #13 from Levernier Construction, Inc. for Period of Performance from 6/26/97 through 7/25/97 8/11/97 Change Estimate #19 (FWD-HP-09) - Access Gates and Signs 8/11/97 HPC Change Estimate #23 (FWD-HP-17) - Sealant at Perimeter Base Angle 2/26/97 Transmittal of Specifications and Construction Drawings for Buildings and BTE 1/30/97 Checking In 1/29/97 Monthly Status Report for December 1996 (CDRL 09-14) 8/14/97 Radius of Curvature 7/8/97 Transmittal of I/O Instrument List 8/14/97 Change Order Request (COR) #28 - Provide and Install Chilled Water Booster Pump Systems 3/31/97 Request for Information (RFI) #88 - Metal Door Jambs in Masonry Walls 8/13/97 Qualification & Testing Acceptance Plan (QTAP)
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
C971513-00-O		Serial Letter #66	7/31/97 Review/Miscellaneous Issues in Retrospect (Working Problems with Parsons)
C971514-00-O		Serial Letter #58	8/4/97 Primavera Overall Schedule - Run Date 7/22/97
C971515-00-O	•	Serial Letter #56	8/18/97 Statement of Work (SOW) for Survey Validation Contractor to Support LIGO - Livingston
C971516-00-O			8/8/97 LIGO Storage/Staging Building Recommendations
			7/31/97 Arms 2. BTE Slab Acceleration
C971517-00-O	·		
	Ralph M. Parsons Company		8/4/97 Activities at LIGO Hanford Site
C971519-00-O	,		8/13/97 Labor Dispute
C971520-00-O	-		8/4/97 OSB Fire and Electrical Issues
	Michael Johnson		8/8/97 Pricing Proposal for FWD LEV-F028
	Michael Johnson		7/15/97 Pricing Proposal for FWD LEV-F048-1
	Michael Johnson		8/14/97 Pricing Proposal for FWD LEV-F049
	Michael Johnson		8/4/97 Pricing Proposal for FWD LEV-F065
	Michael Johnson		8/4/97 Pricing Proposal for FWD LEV-F066
	Michael Johnson		8/14/97 Pricing Proposal for FWD LEV-F066, Revision 2
C971527-00-O	Michael Johnson		7/29/97 Pricing Proposal for FWD LEV-F070
C971528-00-O	Michael Johnson		7/28/97 Pricing Proposal for Work Added by RFI 244, Revision 1
	Michael Johnson		8/8/97 Division 9 Letter re FWD LEV-066
	Michael Johnson		7/29/97 Chiller Start-Up Personnel Qualifications and Chiller and Exhaust Fan System Start-Up Procedures from Apollo
	Michael Johnson		8/4/97 Extra Hardware Costs
C971532-00-O	Michael Johnson		8/12/97 Change Order Request from Oasis for Site Excavation
C971533-00-O	Karl Drobny	LEV-F076	8/5/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971534-00-O	Karl Drobny	LEV-F077	8/6/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971535-00-O	Karl Drobny	LEV-F078	8/14/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971536-00-O	Karl Drobny	LEV-F079	8/15/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971537-00-O	Karl Drobny	LEV-F080	8/14/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971538-00-O	Karl Drobny	LEV-F081	8/14/97 Field Work Directive (FWD) for Levernier Construction, Inc.
C971539-00-O	Bill Holliday	FWD-HP-25	8/5/97 Field Work Directive (FWD) for Hensel Phelps Construction, Inc.
C971540-00-O	Bob Beter	FWD-HP-27	8/5/97 Field Work Directive (FWD) for Hensel Phelps Construction, Inc.
C971541-00-O	Bill Holliday	FWD-HP-29	8/13/97 Field Work Directive (FWD) for Hensel Phelps Construction, Inc.
C971541-00-O C971542-00-O	•	FWD-HP-29 FWD-SJB-05	8/13/97 Field Work Directive (FWD) for Hensel Phelps Construction, Inc. 8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
	Bill Holliday		
C971542-00-O	Bill Holliday Bob Beter	FWD-SJB-05	8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
C971542-00-O C971543-00-O	Bill Holliday Bob Beter Bill Holliday	FWD-SJB-05 FWD-SJB-07	8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 8/12/97 Field Work Directive (FWD) for Simmons J. Barry & Associates
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C971542-00-O C971543-00-O C971544-00-O C971545-00-O C971546-00-O	Bill Holliday Bob Beter Bill Holliday Bob Beter Bob Beter Bob Beter	FWD-SJB-05 FWD-SJB-07	8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 8/12/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 8/5/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 7/30/97 Minutes for WW Weekly Meeting #21 8/11/97 Minutes for WW Weekly Meeting #22
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C971542-00-O C971543-00-O C971544-00-O C971545-00-O C971546-00-O C971547-00-O C971548-00-O	Bill Holliday Bob Beter Bill Holliday Bob Beter Bob Beter Bob Beter Bob Beter Karl Drobny	FWD-SJB-05 FWD-SJB-07	8/4/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 8/12/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 8/5/97 Field Work Directive (FWD) for Simmons J. Barry & Associates 7/30/97 Minutes for WW Weekly Meeting #21 8/11/97 Minutes for WW Weekly Meeting #23 8/11/97 Minutes for HP Weekly Meeting #24
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D890038-00-B C999 5/17/88 Combined Chamber, Overview D920001-0A-U Isolation Plates D920002-00-U Support Beam (4 foot chamber) D920003-00-U Long Mode Cleaner Tank D920004-00-U Isolator, Push Module (Molding Assembly) D920005-00-U Solator, Push Module (Molding Assembly) D920006-00-U Isolation Stack Assembly D920007-00-U Mount Assembly, Isolation Stack D920008-00-U Mount Assembly, Isolation Stack D920008-00-U Isolation Plates D920008-00-U Isolation Plates D920019-00-U Isolation Plates				
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		Adjust Fixture, Mirror Wire		D920021-00-U
D920022-00-U Clamp/Angle Block, Shaker Fixture				
D920023-00-U Plates, Shaker Fixture				
D920024-00-U Large Adaptor Plate, Shaker Table				
D920025-00-U Bottom Plate, Spring Comp. Fixture				
D920026-00-U (-1)Mid Plate(shown)/(-2)Top Plate, Spring Comp. Fixture				
D920027-00-U (-1)Threaded Rod/(-2)Spacer, Spring Comp. Fixture		(-1)Threaded Rod/(-2)Spacer, Spring Comp. Fixture	220027-00-U	D920027-00-U

Document No Full Name	ContractorDocNo Doc Dt Full Title
D920028-00-U	Bell Jar Plate, Spring Comp. Fixture
D920029-00-U	Coil Form Test Mass Opentation Mark II
D920030-00-U	Coil Form Test Mass Axial Mark II
D920031-00-U	Filter/Baffel Adaptor, Quad Detector Assembly, Mark II
D920032-00-U	Modified Front Cover, Quad Detector Assembly, Mark II
D920033-00-U	1)Gusset 2)Base, 2" Mirror Mount 3)Base, 1.5"Mirror Mount
D920033-0A-U	1)Gusset 2)Base, 2" Mirror Mount 3)Base, 1.5"Mirror Mount
D920034-00-U	1)Plate, 2" Mirror 2) Plate, B.S., Mirror Mount
D920034-0A-U	1)Plate, 2" Mirror 2) Plate, B.S., Mirror Mount
D920035-00-U	1)Holder 2)Insert, flat 3)Insert, c'sink, 2" Mirror Mount
D920036-00-U	1)Plate, 1.5" Mirror 2) Plate, B.S., 1.5" Mirror Mount
D920037-00-U	1)Holder 2)Insert, flat 3)Insert, c'sink, 1.5" Mirror Mount
D920038-00-U	Lower Plate, Beam Splitter Mount
D920039-00-U	Upper Plate, Beam Splitter Mount
D920040-00-U	Misc. Parts, Beam Splitter Mount
D920041-00-U	45 Degree Mirror Block, Periscope
D920042-00-U	Stand, Mirror Block, Periscope
D920043-00-U	Periscope, Vertex TM Chamber
D920044-00-U	Parts, Stack Connector Bracket
D920045-00-U	Bracket & Cover, Table connector Bracket
D920046-00-U	Parts, LEMO Connector Bracket
D920047-00-U	New Plate, End Test Mass Support
D920048-00-U	New Plate, Vertex Test Mass Support
D920049-00-U	Rotation Table Modification, End Test Mass Support
D920050-00-U	Upper Plate Mod., Rotary Table, Vertex TM Support
D920051-00-U	Thorlabs Parts Mods., Test Mass Supports
D920052-00-U	Thorabs ratio wous., Test wass supports
D920053-0A-U	
D920054-00-U	
D920055-00-U	
D920056-0A-U	
D920057-E-D	9/17/96
	P&I Diagrams for the split systems
D930001-00-B D930002-00-U	Rotation Cells, Clamp, Faraday Rotator
D930003-0A-U	Miscellaneous Parts, Faraday Rotator
D930004-00-U	Wave Plate Mount, Beamsplitter Chamber
D930005-00-U	Wave Plate Housing, Wave Plate Mount Miscellaneous Ports, Wave Plate Mount
D930006-0A-U	Miscellaneous Parts, Wave Plate Mount
D930007-00-U	Carriage, Pockel's Cell
D930008-0A-U	Rail Parts, B.S. Optics
D930009-00-U	Rolls, Rail Assemblies
D930010-00-U	Parts Polarizar Mount
D930011-00-U	Parts, Tilt Wave Plate Cell
D930012-00-U	Viewport TM Camera Assembly
D930013-00-U	Faraday Rotator Housing, New Faraday Rotator
D930014-00-U	Polarizer Housing, New Faraday Rotator
D930015-00-U	New Polarizer Base, New Faraday Rotator
D930016-00-U	Clamp Ring, Teflon Washer, New Faraday Rotator
D930017-00-U	Carriage, Rail Polarizer Mount, PNI
D930018-00-U	Polarizer Housing, Rail Polarizer Mount, PNI
D930019-00-U	1) Clamp Ring 2)Teflon Washer, PNI
D930020-00-U	Rail Mount Polarizer Assembly, PNI
D930021-00-U	Carriage, F.R., New Faraday Rotator
D930022-00-U	1.5" Carriage, PNI Rail
D930023-00-U	Lens Housing, Lens Mount, PNI
D930024-00-U	1) & 2) Lens Spacer, 3) Lens Retainer, PNI
D930025-00-U	Lens Mount Assembly, PNI

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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D930026-00-U			Fiber Optic Mount Assembly, PNI
D930027-00-U			Adaptor Block, Fiber Optic Mount, PNI Rail
D930028-00-U			1) Fiber Optic Adaptor 2) Clamp, PNI Fiber Optic Mount
D930029-00-U			Double P.C. Bracket, Pockel's Cell Mount, PNI Rail
D930030-00-U			Double P.C. Mount Assembly, PNI Rail
D930031-00-U			Rail Mounting Brackets, PNI
D930032-00-U			Rail Plate, PNI
D930033-00-U			Rail Assembly, PNI
D930034-00-U			New Faraday Rotator Assembly
D930035-0C-U			Right Side Plate, PNI Suspension
D930036-0C-U			Left Side Plate, PNI Suspension
D930037-00-U			
D930038-00-O	JUB Engineers, Inc.	736-COV	9/28/93 Hanford Site Rough Grading, For Construction - LIGO Project Site, Cover Sheet
D930038-01-O	JUB Engineers, Inc.	736-COV	5/19/95 Hanford Site Rough Grading, As Built - Cover Sheet
D930039-00-O	JUB Engineers, Inc.	736-02	9/28/93 Hanford Site Rough Grading, For Construction - Typical Sections
D930039-01-O	JUB Engineers, Inc.	736-02	5/19/95 Hanford Site Rough Grading, As Built - Typical Sections
	JUB Engineers, Inc.	736-03	9/28/93 Hanford Site Rough Grading, For Construction - Station NW 6+50 to NW 30+00
	JUB Engineers, Inc.	736-03	5/19/95 Hanford Site Rough Grading, As Built - Station NW 6+50 to NW 30+00
	JUB Engineers, Inc.	736-04	9/28/93 Hanford Site Rough Grading, For Construction - Station NW 30+00 to NW 60+00
D930041-01-O	JUB Engineers, Inc.	736-04	5/19/95 Hanford Site Rough Grading, As Built - Station NW 30+00 to NW 60+00
D930042-00-O	JUB Engineers, Inc.	736-05	9/28/93 Hanford Site Rough Grading, For Construction - Station NW 60+00 to NW 90+00
D930042-01-O	JUB Engineers, Inc.	736-05	5/19/95 Hanford Site Rough Grading, As Built - Station NW 60+00 to NW 90+00
D930043-00-O	JUB Engineers, Inc.	736-06	9/28/93 Hanford Site Rough Grading, For Construction - Station NW 90+00 to NW 120+00
D930043-01-O	JUB Engineers, Inc.	736-06	5/19/95 Hanford Site Rough Grading, As Built - Station NW 90+00 to NW 120+00
D930044-00-O	JUB Engineers, Inc.	736-07	9/28/93 Hanford Site Rough Grading, For Construction - Station NW 120+00 to NW 143+00
D930044-01-O	JUB Engineers, Inc.	736-07	5/19/95 Hanford Site Rough Grading, As Built - Station NW 120+00 to NW 143+00
D930045-00-O	JUB Engineers, Inc.	736-08	9/28/93 Hanford Site Rough Grading, For Construction - Station SW 10+00 to SW 30+00
D930045-01-O	JUB Engineers, Inc.	736-08	5/19/95 Hanford Site Rough Grading, As Built - Station SW 10+00 to SW 30+00
D930046-00-O	JUB Engineers, Inc.	736-09	9/28/93 Hanford Site Rough Grading, For Construction - Station SW 30+00 to SW 60+00
D930046-01-O	JUB Engineers, Inc.	736-09	5/19/95 Hanford Site Rough Grading, As Built - Station SW 30+00 to SW 60+00
D930047-00-O	JUB Engineers, Inc.	736-10	9/28/93 Hanford Site Rough Grading, For Construction - Station SW 60+00 to SW 90+00
D930047-01-O	JUB Engineers, Inc.	736-10	5/19/95 Hanford Site Rough Grading, As Built - Station SW 60+00 to SW 90+00
D930048-00-O	JUB Engineers, Inc.	736-11	9/28/93 Hanford Site Rough Grading, For Construction - Station SW 90+00 to SW 120+00
D930048-01-O	JUB Engineers, Inc.	736-11	5/19/95 Hanford Site Rough Grading, As Built - Station SW 90+00 to SW 120+00
D930049-00-O	JUB Engineers, Inc.	736-12	9/28/93 Hanford Site Rough Grading, For Construction - Station SW 120+00 to SW 143+00
D930049-01-O	JUB Engineers, Inc.	736-12	5/19/95 Hanford Site Rough Grading, As Built - Station SW 120+00 to SW 143+00
D930050-00-O	JUB Engineers, Inc.	736-13	9/28/93 Hanford Site Rough Grading, For Construction - Station 10+00 to 29+81.45
D930050-01-O	JUB Engineers, Inc.	736-13	5/19/95 Hanford Site Rough Grading, As Built - Station 10+00 to 29+81.45
D940001-01-B			M. Tellalian to J. Carusiello(Meyer Tool & Mfg. Inc.) re. Baffle Cleaning Requirements/Baffle Fabrication Specification
D940002-00-B			Details of slip-on blind flanges used for leak checking 24" tubes at CIT
D940003-01-B			Drawing revisions for the modified support frames
	California Institute of Tech.	1101051	11/9/94 Attachment Brackets HAM, BSC, TMC Chambers
	California Institute of Tech.	1101013	11/9/94 Test Mass Chamber (TMC)
D940006-00-V	California Institute of Tech.	1101010	11/9/94 Horizontal Access Module
D940007-00-V	California Institute of Tech.	1101009	11/9/94 Beam Splitter Chamber (BSC)
	California Institute of Tech.	1101103	11/9/94 Vacuum Equipment Mid Stations
D940009-00-V	California Institute of Tech.	1101102	11/9/94 Vacuum Equipment End Stations
D940010-00-V	California Institute of Tech.	1101101	11/9/94 Vacuum Equipment Corner Station
D940011-00-V	California Institute of Tech.	1101100	11/9/94 Vacuum Equipment Corner Station
D940012-00-V	California Institute of Tech.		12/1/94 Ligo Vacuum System - Louisiana
	California Institute of Tech.		12/1/94 Ligo Vacuum System - Washington Site
D950000-00-U			11/7/95
D950001-00-U			Power Stabilization Amplifier
D950002-00-U			Laser Loop Amplifier
D950003-00-U			Laser PZT Driver
D950004-00-U			Steering Mirror PZT Driver
D950005-00-D			Doug
	I		

Document No	Full Name ContractorDocNo	Doc Dt Full Title
D950006-00-D		Doug
D950007-00-D		Doug
D950008-00-D		Doug
D950009-00-D		Doug
D950010-00-D		Doug
D950011-00-D		Doug
D950012-00-D		Doug
D950013-00-D		Doug
D950014-00-D		Doug
D950015-00-D		Doug
D950016-00-D D950017-00-D		Doug
D950017-00-D		Doug Doug
D950019-00-D		Doug
D950020-B-D		4/1/95 Test Mass LIGO Pathfinder
D950021-00-E		LIGO Arm Layouts
	Dennis Coyne	2/26/96 LIGO Arm Layouts
D950022-00-U	20	PSL Laser System Wiring Diagram
D950023-00-U		PSL Power Stabilization System Diagram
D950024-00-U		PSL Reference Cavity Steering Mirror System Diagram
D950025-00-U		PSL Frequency Stabilization System Diagram
D950026-00-U		PSL Rack Wiring (VME module to cross connect mass termination connections)
D950027-00-B		6/22/95 Beam Tube Pump Port, Hardware
	Larry Jones	10/16/95 Beam Tube Pump Port Hardware
	Larry Jones	11/3/95 Beam Tube Pump Port Hardware
D950028-00-B		6/22/95 Beam Tube Terminations
	Larry Jones	10/17/95 Beam Tube Terminations
DOEGGGG D D	Larm, lanca	3/12/96 Beam Tube Terminations
	Larry Jones	
D950029-00-B		Beam Tube Enclosure Interface
D950029-00-B D950029-01-B		Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface.
D950029-00-B D950029-01-B D950029-A-B		Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface
D950029-00-B D950029-01-B D950029-A-B D950030-00-B		Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake
D950029-01-B D950029-A-B D950030-00-B D950031-03-B	Larry Jones	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-04-B	Larry Jones CBI CBI 1, Rev. 4	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake
D950029-01-B D950029-A-B D950030-00-B D950031-03-B	CBI CBI #1, Rev. 4 CBI CBI #1, Rev. 6	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-04-B D950031-06-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-04-B D950031-06-B D950032-02-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-04-B D950032-02-B D950032-04-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4 CBI CBI 2, Rev. 4 CBI CBI 2, Rev. 5	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford & Livingston
D950029-00-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-03-B D950033-04-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4 CBI CBI 2, Rev. 4 CBI CBI 2, Rev. 4 CBI CBI 2, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI #3, Rev. 4	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford & Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations - Hanford & Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-03-B D950033-04-B D950033-05-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4 CBI CBI 2, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI #3, Rev. 4 CBI CBI #3, Rev. 4 CBI CBI #3, Rev. 5	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford & Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations For Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations - Hanford & Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-03-B D950033-04-B D950033-05-B D950033-05-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4 CBI CBI 2, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI #3, Rev. 4 CBI CBI 4, Rev. 5 CBI CBI 4, Rev. 5 CBI CBI 4, Rev. 5 CBI CBI 7, Rev. 6 CBI CBI 8, Rev. 5 CBI CBI 8, Rev. 5 CBI CBI 9, Rev. 5 CBI CBI 1, Rev. 2	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford & Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Decations - Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Decations - Hanford and Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 12/2/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 11/10/95 Sub-Assemblies A, B, & C - LIGO Beam Tube - Hanford and Livingston
D950029-00-B D950029-01-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-04-B D950033-05-B D950034-02-B D950034-02-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI 2, Rev. 4 CBI CBI 2, Rev. 4 CBI CBI 3, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI 43, Rev. 4 CBI CBI 44, Rev. 5 CBI CBI 44, Rev. 2 CBI CBI 44, Rev. 4	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations or Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford & Livingston 12/296 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 12/296 LIGO Beam Tube - Sub-Assembly End Locations Hanford and Livingston 12/296 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 12/296 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford and Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston 12/296 LIGO Beam Tube - Support Locations - Hanford & Livingston
D950029-00-B D950029-A-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-03-B D950033-04-B D950034-02-B D950034-02-B D950034-05-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI 2, Rev. 4 CBI CBI 3, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI 43, Rev. 4 CBI CBI 44, Rev. 5 CBI CBI 44, Rev. 5 CBI CBI 44, Rev. 5	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 11/10/95 Sub-Modules E. F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations for Hanford and Livingston 11/10/95 Sub-Assemblies A, B, & C - LIGO Beam Tube - Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Assemblies - Hanford & Livingston 11/10/95 Sub-Assemblies - A, B, & C - LIGO Beam Tube - Hanford & Livingston 11/10/95 Sub-Assemblies - Hanford & Livingston 11/10/95 Sub-Assemblies - Hanford & Livingston 11/10/95 Sub-Assemblies - Hanford & Livingston
D950029-00-B D950029-A-B D950029-A-B D950030-00-B D950031-03-B D950031-06-B D950032-02-B D950032-04-B D950032-05-B D950033-03-B D950033-05-B D950034-04-B D950034-02-B D950034-06-B	CBI CBI 1, Rev. 4 CBI CBI #1, Rev. 6 CBI CBI 2, Rev. 2 CBI CBI #2, Rev. 4 CBI CBI 3, Rev. 5 CBI CBI 3, Rev. 3 CBI CBI 43, Rev. 4 CBI CBI 44, Rev. 5 CBI CBI 44, Rev. 5 CBI CBI 44, Rev. 6	Beam Tube Enclosure Interface 7/19/95 Beam Tube Enclosure Interface. 7/27/95 Beam Tube/ Enclosure Interface Beam Tube Module Bake General Module Configuration 11/10/95 General Module Configuration and Vacuum Port Location, Hanford and Livingston 6/24/96 LIGO Beam Tube - Beam Tube Modules - Hanford & Livingston 11/10/95 Sub-Modules A & D, LIGO Beam Tube Modules - Hanford and Livingston 9/20/96 LIGO Beam Tube - Sub-Assembly End Locations - Hanford & Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston Modules 11/10/95 Sub-Modules E, F, G, & H - LIGO Beam Tube Modules - Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Assembly End Locations for Hanford and Livingston 6/24/96 LIGO Beam Tube - Support Locations - Hanford and Livingston 12/2/96 LIGO Beam Tube - Support Locations for Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Assemblies A, B, & C - LIGO Beam Tube - Hanford and Livingston 12/2/96 LIGO Beam Tube - Sub-Assemblies A, B, C - LIGO Beam Tube - Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Assemblies A, B, C - LIGO Beam Tube - Hanford and Livingston 6/24/96 LIGO Beam Tube - Sub-Assemblies A, B, C - LIGO Beam Tube - Hanford & Livingston 11/2/96 LIGO Beam Tube - Sub-Assemblies A, B, C - LIGO Beam Tube - Hanford & Livingston 6/24/96 LIGO Beam Tube - Sub-Assemblies A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S
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D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2	11/10/95 Wacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950073-02-B CBI D950074-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950074-02-B CBI D950075-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950068-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950073-02-B CBI D950074-02-B CBI D950076-02-B CBI D950076-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Arrangement
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950076-02-B CBI D950076-02-B CBI D950077-02-B CBI D950077-02-B CBI D950077-02-B CBI D950077-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950076-02-B CBI D950076-02-B CBI D950077-02-B CBI D950077-02-B CBI D950077-02-B CBI D950077-02-B CBI D950078-01-B CBI D950079-04-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-71, Rev. 2 CBI ER-71, Rev. 2 CBI ER-71, Rev. 2	11/10/95(Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal Sembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold End End End End End End End End End En
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950076-02-B CBI D950078-01-B CBI D950079-04-B CBI D950079-04-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-71, Rev. 2 CBI ER-71, Rev. 2 CBI ER-71, Rev. 2	11/10/95 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap End Seal, Lifting Frame Subassembly, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold End End End End End End End End End En
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950076-02-B CBI D950077-02-B CBI D950077-02-B CBI D950078-01-B CBI D950079-04-B CBI D950080-04-B CBI D950081-01-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 4 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4	11/10/96 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Macunian Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold End End End End End End End End End En
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950077-02-B CBI D950078-01-B CBI D950080-04-B CBI D950081-01-B CBI D950081-01-B CBI D950081-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 4 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4	11/10/96 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Macunian Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal - Leak Test Arrangement 11/10/95 Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95 Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95 Cold Trap End Seal, Cold End End End End End End End End End En
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950077-02-B CBI D950078-01-B CBI D950080-04-B CBI D950081-01-B CBI D950082-01-B CBI D950082-01-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-76, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 4 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4 CBI ER-123, Rev. 2	11/10/95(Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal - Leak Test Arrangement 11/10/95(Cold Trap End Seal - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Saembly - Leak Test Arrangement 11/10/95(Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold T
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950077-02-B CBI D950078-01-B CBI D950080-04-B CBI D950081-01-B CBI D950082-01-B CBI D950082-02-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-76, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 4 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4 CBI ER-123, Rev. 2	11/10/95(Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95(Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal - Leak Test Arrangement 11/10/95(Cold Trap End Seal - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Saembly - Leak Test Arrangement 11/10/95(Cold Trap Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95(Cold Trap End Seal, Cold T
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950078-01-B CBI D950079-04-B CBI D950080-04-B CBI D950081-01-B CBI D950082-01-B CBI D950082-02-B CBI D950083-00-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-77, Rev. 2 CBI ER-78, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 2 CBI ER-79, Rev. 4 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4 CBI ER-123, Rev. 2 CBI ER-123, Rev. 2 CBI ER-125, Rev. 2	11/1098 Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/1095 Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/1095 Vacuum Pump Bend Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/1095 Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/1095 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/1095 Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal - Leak Test Arrangement 11/1095 Cold Trap End Seal Assembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Rolling Base Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, End Cap Assembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Cold Trap Lifting Frame Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Cold Trap Lifting Frame Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/1095 Cold Trap End Seal, Cold Trap End Seal
D950065-02-B CBI D950066-02-B CBI D950067-02-B CBI D950068-02-B CBI D950069-02-B CBI D950070-02-B CBI D950071-02-B CBI D950072-02-B CBI D950073-02-B CBI D950074-02-B CBI D950075-02-B CBI D950076-02-B CBI D950077-02-B CBI D950078-01-B CBI D950079-04-B CBI D950081-01-B CBI D950081-02-B CBI D950082-01-B CBI D950083-00-B CBI D950083-01-B CBI	CBI ER-64, Rev. 2 CBI ER-45, Rev. 2 CBI ER-66, Rev. 2 CBI ER-67, Rev. 2 CBI ER-68, Rev. 2 CBI ER-69, Rev. 2 CBI ER-70, Rev. 2 CBI ER-71, Rev. 2 CBI ER-72, Rev. 2 CBI ER-73, Rev. 2 CBI ER-74, Rev. 2 CBI ER-75, Rev. 2 CBI ER-76, Rev. 2 CBI ER-77, Rev. 2 CBI ER-79, Rev. 2 CBI ER-121, Rev. 4 CBI ER-122, Rev. 4 CBI ER-123, Rev. 2 CBI ER-125, Rev. 2 CBI ER-125, Rev. 2 CBI ER-125, Rev. 4 CBI ER-125, Rev. 2	11/10/95/Vacuum Pump End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95/Mechanical Vacuum Pump Line Subassembly - Leak Test Arrangement 11/10/95/Vacuum Pump End Seal, Diffusion Pump Line Subassembly - Leak Test Arrangement 11/10/95/Vacuum Pump End Seal, Cross-Over Line Subassembly - Leak Test Arrangement 11/10/95/Vacuum Pump End Seal, Interspace Vacuum Pump Line Subassembly, Sensors Connection Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Leak Test Arrangement 11/10/95/Cold Trap End Seal Assembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal End, Carriage Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, End Cap Assembly - Leak Test Arrangement 11/10/95/Cold Trap Seal End, End Cap Assembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Lifting Frame Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Arrangement 11/10/95/Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Box (Formerly ER-122) 11/10/95/Cold Trap End Seal, Cold Trap Evacuation Line Subassembly - Leak Test Box (Formerly ER-123)

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Document No	Full Name Co	ontractorDocNo	Doc Dt Full Title
D950086-02-B	CBI CE	3I ER-134, Rev. 2	11/10/95 Fit-Up Welding and Leak Testing Configurations at Guide Supports
D950087-01-B	CBI CE	BI ER-140, Rev. 1	11/10/95 Elevation View of Tube Installation
D950088-00-U			
D950089-00-U			
D950090-01-0			
D950091-00-D			7/18/95 Mode Cleaner Ring Down Detector, Unit Serial #0
D950092-00-D			7/19/95 Recombination Coil Drivers
D950093-00-B			7/20/95 Beam Tube Termination Foundations
D950093-A-B			7/27/95 Beam Tube Termination Foundations
D950094-A-B	Larry Jones		8/4/95 Beam Tube Baffle
D950094-B-B	Larry Jones		8/16/96 Beam Tube Baffle
D950094-C-B	Larry Jones		10/19/95 Beam Tube Baffle
D950095-00-C			7/24/95 PSL Controls Rack
D950096-00-C			7/24/95 Power Monitoring Photodiode
D950097-00-C			7/24/95 RF Photodiode
D950098-00-C			7/24/95 PSL Vacuum and Temperature Controls
D950099-00-C			7/24/95 PSL Phase Modulation System
D950100-00-O	Alex Theriot, Jr.		7/31/95 Louisiana Legal Description of Site
D950101-03-C			7/31/95 Transcontinental Pipeline Crossing for Louisiana Site
D950102-A-B			8/4/95 Beam Tube Baffle
D950103-00-D			8/9/95 12.3 MHZ DIGITAL CONTROL PHASE SHIFTER, SERIAL #001PS
D950104-00-D			8/23/95 40M Suspension Assembly
D950105-00-D			8/23/95 Sensor/Actuator Head Assembly
D950105-01-D	Janeen Hazel		10/28/96 Sensor/Actuator Head Assembly
D950106-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Base Plate
D950107-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Safety Cage Base
D950108-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Leg, Front
D950109-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Leg, Back
D950110-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Face Bracket
D950111-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Safety Cage Cradle
D950112-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Corner Bracket, One
D950113-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Corner Bracket, Two (Mirror of Corner Bracket, One)
D950114-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Head Holder, Bottom
D950115-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Head Holder, Side
D950116-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Head Holder, Top
D950117-00-D			8/23/95 Sensor/Actuator Head
D950118-00-D			8/23/95 40M Suspension Assembly - Brace
D950119-00-D			8/23/95 40M Suspension Assembly - Safety Bar
D950120-00-D			8/23/95 40M Suspension Assembly - Top Plate
D950121-00-D			8/23/95 40M Suspension Assembly - Suspension Block
D950122-00-D			8/23/95 40M Suspension Assembly - Wire Clamp, Suspension Block
D950123-00-D			8/23/95 40M Suspension Assembly - Suspension Screw
D950124-00-D			8/23/95 40M Suspension Assembly - Stiffener Plate, Front
D950125-00-D	Janeen Hazel		8/23/95 40M Suspension Assembly - Stiffener Plate, Side
D950126-00-D			8/23/95 Tool, Sensor/Actuator Assembly
D950127-00-D			8/23/95 40M Suspension Assembly - Tool, Magnet/Standoff/Standoff Bonding
D950127-01-D	Janeen Hazel		10/18/96 40M Suspension Assembly - Fixture, Magnet/Standoff Bonding, Vertex Test Mass, 30 Minute Wedge, 4" x 3.5" Thick
D950128-00-D			8/23/95 Wire Standoff
D950129-00-E	-		9/29/95 LVEA Layout
D950130-SK-O	-		10/20/95 Beam Tube Termination Slabs Relative to Buildings
D950131-SK-V			10/19/95 LVEA Corner Station - Crane Arrangement and Hook Coverage, Preliminary
D950132-01-V			4/5/06 HAM Chamber Detector Equipment Reserved Space
D950132-SK-V			10/19/95 Ham Chamber, Detector Equipment Reserved Space, Preliminary
D950133-SK-V			10/19/95 Ham Chamber, Detector Equipment Reserved Space, Preliminary
D950134-SK-V			10/19/95 BSC Chamber, Detector Equipment Reserved Space, Preliminary
D950135-SK-V			10/19/95 BSC Chamber, Detector Equipment Reserved Space, Preliminary
D950136-SK-V	John Worden		10/19/51 Plan "A-A", E Port Locations, Preliminary

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D950137-SK-V			10/19/95 BSC, New Port Locations, Preliminary
D950139-A-B			11/29/95BTE Service Access and Beam Tube Pump Port Locations
D950141-SK-V			10/31/95 Corner Station Washington
D950142-SK-V	John Worden		10/31/95Mid Station Washington
D950143-SK-V			10/31/95 End Station Washington
D950144-SK-E			12/18/95 VE Electrical Power Locations - LVEA
D950145-00-E	·		4/2/96 Conduit Stub-Up Locations for Detector System (Power, Signal, Coolant): Corner Station
D950145-SK-O			10/26/95 CDS Power Locations in the LVEA
D950145-SK-O	•		10/26/95 CDS Power Locations in the LVEA
D950145-SK-O			10/26/95 CDS Power Locations in the LVEA
D950146-SK-V			10/31/95 Ham Port Relocation, Preliminary
D950153-00-D			10/28/96 Fixture, Magnet/Standoff Bonding, End Test Mass, Two Degree Wedge 4" x 3.5" Thick
D950154-01-D			10/18/96 40M Suspension Assembly - Fixture, Guide Rods and Side Actuators, Bonding, Vertext Test Mass, 30 Minute Wedge, 4" x 3.5" Thick
D950155-01-D			10/28/96 Fixture, Guide Rods and Side Actuators, Bonding End Test Mass, Two Degree Wedge, 4" x 3.5" Thick, Assembly
D950156-01-D			10/18/96 40M Suspension Assembly - Fixture, Guide Rods and Side Actuators, Bonding Test Mass, 4" x 3.5" Thick
D950157-01-D			10/18/96 40M Suspension Assembly - Fixture, Guide Rods and Side Actuators, Bonding, Vertext Test Mass, 30 Minute Wedge, 4" x 3.5" Thick (Left Block)
D950158-01-D			10/18/96 40M Suspension Assembly - Fisxture, Guide Rods and Side Actuators, Bonding, Vertex Test Mass, 30 Minute Wedge, 4" x 3.5" Thick (Right Block)
D950159-01-D	04.1001.1.1420.		10/28/96 Fixture Guide Rods and Side Actuators, Bonding End Test Mass, Two Degree Wedge 4" x 3.5" Thick, Left Block
D950160-01-D	Janeen Hazel		10/28/96 Fixture, Guide Rods and Side Actuators, Bonding End Test Mass, Two Degree Wedge 4" x 3.5" Thick, Right Block
D950161-01-D			10/18/9640M Suspension Assembly - Kapton Template for Fixture, Magnet/Standoff Bonding, P/Ns D950127 and D950153
D950164-00-D			12/13/95 Super Mirror Container Assembly, 1"
D960001-00-D			5/23/96 Small Optic Suspension (SOS) Assembly
D960002-00-D			5/23/96 Sensor/Actuator Plate
D960003-00-D			5/23/96 Suspension Block
D960004-00-D			5/23/96 Tower Base
D960005-00-D			5/23/96 Right Side Plate
D960006-00-D			5/23/96Left Side Plate
D960007-00-D			5/23/96Upper Mirror Clamp
D000001 00 D	ouricon riazor		6/26/30 oppor minor clamp
D960008-00-D	Janeen Hazel		5/23/96Lower Mirror Clamp
D960008-00-D			5/23/96 Lower Mirror Clamp 5/23/96 Stiffener Plate
D960009-00-D	Janeen Hazel		5/23/96 Stiffener Plate
D960009-00-D D960010-00-D	Janeen Hazel Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff
D960009-00-D D960010-00-D D960011-00-D	Janeen Hazel Janeen Hazel Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly
D960009-00-D D960010-00-D D960011-00-D D960012-00-D	Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head
D960009-00-D D960010-00-D D960011-00-D D960012-00-D D960014-00-D	Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small
D960009-00-D D960010-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D	Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing
D960009-00-D D960010-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960017-00-D	Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Base Plate
D960009-00-D D960010-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960017-00-D D960018-00-D	Janeen Hazel		5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Right Block
D960009-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960018-00-D D960019-00-D	Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Right Block 5/23/96 Left Block
D960009-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960018-00-D D960019-00-D D960020-00-D	Janeen Hazel		5/23/96 Stiffener Plate 5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Right Block 5/23/96 Right Block 5/23/96 Left Block 5/23/96 Magnet/Standoff Assembly Fixture
D960009-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960018-00-D D960019-00-D D960020-00-D D960021-00-D	Janeen Hazel		5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Base Plate 5/23/96 Right Block 5/23/96 Right Block 5/23/96 Magnet/Standoff Assembly Fixture 5/23/96 Magnet/Standoff Assembly Fixture 5/23/96 Kapton Template
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D960009-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960018-00-D D960019-00-D D960020-00-D D960022-00-D D960030-00-V	Janeen Hazel Richard Bagley	V049-5-005 V049-5-004	5/23/96 Smaller Standoff 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Rase Plate 5/23/96 Right Block 5/23/96 Right Block 5/23/96 Kapton Template 5/23/96 Kapton Template 5/23/96 Kapton Template 5/23/96 Guide Rod Fixture 2/15/96 Guide Rod Fixture
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D960009-00-D D960011-00-D D960011-00-D D960012-00-D D960014-00-D D960016-00-D D960018-00-D D960019-00-D D960020-00-D D960022-00-D D960030-00-V D960031-00-V D960032-04-B D960033-00-B D960033-00-B	Janeen Hazel Larry Jones John Worden	V049-5-004 V049-5-001 CBI #2, Rev. 4	5/23/96 Stiffener Plate 5/23/96 Sensor/Actuator Head Assembly 5/23/96 Sensor/Actuator Head 5/23/96 Sensor/Actuator Head 5/23/96 Thumb Screw, Teflon, Small 10/28/96 Microscope Bushing 5/23/96 Base Plate 5/23/96 Base Plate 5/23/96 Right Block 5/23/96 Left Block 5/23/96 Left Block 5/23/96 Magnet/Standoff Assembly Fixture 5/23/96 Kapton Template 5/23/96 Caption Template 5/23/96 Equipment Arrangement, Right-End Station - Washington/Louisiana Sites 2/15/96 Equipment Arrangement, Right-Mid Station - Washington - LIGO Vacuum Equipment 6/24/96 LIGO Beam Tube - Sub-Assembly End Locations for Beam Tube Modules - Hanford & Livingston 1/25/96 Rough Pump Located in Beam Tube Enclosure
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D960045-A-B	Craig Conley		3/20/96 Beam Tube Baffle, Full Serration, Fabrication and Porcelain Coverage Detail
D960045-B-B	Craig Conley		4/25/96 Beam Tube Baffle, Full Serration, Fabrication and Procelain Coverage Detail
D960046-A-B	Craig Conley		3/20/96 LIGO Beam Tube Baffle, Non-Serrated, Fabrication and Porcelain Coverage Detail
D960046-B-B	Craig Conley		4/25/96 Beam Tube Baffle, Non-Serrated, Fabrication and Porcelain Coverage Detail
	Larry Jones		3/8/96 Hanford Beam Tube Details for Baffle Position Calculations
D960050-00-D	Janeen Hazel		5/23/96 Magnet/Standoff Assembly Fixture
D960051-A-B	Larry Jones		3/12/96 Beam Tube Gate Valve Soft Support
D960051-C-B	Larry Jones		7/19/96 Beam Tube Gate Valve Soft Support
D960052-A-O	Ralph M. Parsons Company	WA-S-003, Rev. A	10/31/95 Preliminary Design Review Drawings - Standard, Concrete and CMU Details - Hanford
D960053-A-O	Ralph M. Parsons Company	WA-S-101, Rev. A	10/31/95 Structural, Corner Station, LVEA Foundation Plan - Hanford
D960054-A-O	Ralph M. Parsons Company	WA-S-201, Rev. A	10/31/95 Structural, Mid-Station and Chiller, Foundation Plans - Hanford
D960055-00-O	Ralph M. Parsons Company	WA-S-208	3/8/96 Structural, End Station, Foundation Plans - Hanford
D960056-00-O	Ralph M. Parsons Company	WA-S-405	3/8/96 Structural, Foundation, Sections and Details, Sheet 1 - Hanford
D960057-00-O	Ralph M. Parsons Company	WA-S-406	3/8/96 Structural, Foundation, Sections and Details, Sheet 2 - Hanford
D960058-A-O	Ralph M. Parsons Company	WA-C-021, Rev. A	10/31/95 Civil, Northwest Arm, Mid-Station, Plot and Utility Plans - Hanford
D960059-A-O	Ralph M. Parsons Company	WA-A-201, Rev. A	2/16/96 Architectural, Mid-Stations, Floor Plans - Hanford
D960060-00-O	Ralph M. Parsons Company	WA-A-301, Rev. A	2/16/96 Architectural, End Stations, Floor Plans - Hanford
D960060-A-O	Ralph M. Parsons Company	WA-A-301, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, End Station Floor Plan
D960061-A-O	Ralph M. Parsons Company	WA-E-403, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Beam Tube Enclosure Details
D960062-A-O	Ralph M. Parsons Company	WA-C-005, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Corner Station Plot Plan
D960064-00-O	Ralph M. Parsons Company	WA-H-111, Rev. O	3/8/96 HVAC, Corner Station, LVEA Floor Plan, Sheet 1 - Hanford
D960065-00-O	Ralph M. Parsons Company	WA-H-112, Rev. O	3/8/96 HVAC, Corner Station, LVEA Floor Plan, Sheet 2 - Hanford
D960066-00-O	Ralph M. Parsons Company	WA-H-116, Rev. O	3/8/96 Preliminary Design Review - HVAC, Corner Station, Maintenance Building Floor Plan - Hanford
D960067-00-O	Ralph M. Parsons Company	WA-H-151, Rev. O	3/8/96 HVAC, Corner Station, Sections, Sheet 1 - Hanford
D960068-00-O	Ralph M. Parsons Company	WA-H-152, Rev. O	3/8/96 HVAC, Corner Station, Sections, Sheet 2 - Hanford
D960069-00-O	Ralph M. Parsons Company	WA-H-211, Rev. O	3/8/96 HVAC, Mid & End Stations, Floor Plan - Hanford
D960070-00-O	Ralph M. Parsons Company	WA-H-241, Rev. O	3/8/96 HVAC, Mid & End Stations, Sections, Sheet 1 - Hanford
D960071-00-O	Ralph M. Parsons Company	WA-H-242, Rev. O	3/8/96 HVAC, Mid & End Stations, Sections, Sheet 2 - Hanford
D960072-00-D	William O. Miller		3/12/96 LIGO Stack Sketches
D960073-00-E	Craig Conley		4/22/96 Chamber and Rack Designations, Washington (Corner Station)
D960073-SK-E	Dennis Coyne		3/13/96 Chamber and Rack Designations
D960074-00-V	Process Systems Int'l, Inc.	V049-3-305, P1	3/5/96 Electrical Conduit Sutb-Up Plan, LIGO Vacuum Equipment, Washington Site, Corner Station
D960075-00-V	Process Systems Int'l, Inc.	V049-3-305, P1	2/29/96 Electrical Conduits Stub-Up Plan, LIGO Vacuum Equipment, Washington Site, Right-Mid Station
D960076-00-V	Process Systems Int'l, Inc.	V049-3-505, P1	2/29/96 Electrical Conduit Stub-Up Plan, LIGO Vacuum Equipment, Hanford, Right-End Station
D960101-00-V	Process Systems Int'l, Inc.	V049-3-123, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - CDS Interface Diagram, Washington Site, Corner Station
D960101-P1-V	Process Systems Int'l, Inc.	V049-3-123, P1	3/6/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Corner Station
D960102-00-V	Process Systems Int'l, Inc.	V049-3-208, P1	3/6/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Left Mid Station
D960103-00-V	Process Systems Int'l, Inc.	V049-3-308, Rev. 0	4/26/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Right Mid Station
D960103-02-V	Process Systems Int'l, Inc.	V049-3-308, Rev 2	5/12/97 CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Right Mid Station
D960103-P1-V	Process Systems Int'l, Inc.	V049-3-308, P1	3/6/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Right Mid Station
D960104-00-V	Process Systems Int'l, Inc.	V049-3-408, P1	3/6/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Left End Station
D960105-00-V	Process Systems Int'l, Inc.	V049-3-508, P1	3/6/96 CDS Interface Diagram, LIGO Vacuum Equipment - Washington Site, Right End Station
D960107-00-V	Richard Bagley	V049-0-001, Rev.0	3/20/96 Piping and Instrumentation Diagram (P & ID), Vacuum Equipment Legend (B/D)
	Richard Bagley	V049-0-002, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Beam Splitter Chamber (BSC), Mid Stations
D960109-00-V	Process Systems Int'l, Inc.	V049-0-003, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Beam Splitter Chamber (BSC), Corner Vertex
D960110-00-V	Richard Bagley	V049-0-004, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Horizontal Access Module
D960111-00-V	Richard Bagley	V049-0-005, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), 112cm and 122cm Gate Valves
D960112-00-V	Richard Bagley	V049-0-006, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), 80K Cryopump
D960112-02-V	Process Systems Int'l, Inc.	V049-0-006, Rev. 2	5/30/96 Piping and Instrumentation Diagram (P&ID), 80K Cryopump, Revision 2
	Richard Bagley	V049-0-010, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Washington Left End Station
D960114-00-V	Richard Bagley	V049-0-012, Rev.0	3/20/96 Piping and Installation Diagram (P&ID), Washington Left Beam Manifold
D960115-00-V	Richard Bagley	V049-0-013, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Washington Vertex Section
	Richard Bagley	V049-0-014, Rev.0	3/20/96 Piping and Installation Diagram (P&ID), Washington Diagonal Section
D960116-00-V	0 ,		
D960116-00-V D960117-00-V	Richard Bagley	V049-0-015, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Washington, Right Beam Manifold
	· ,	V049-0-016, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Washington, Right Mid Station
D960117-00-V	Richard Bagley Richard Bagley		

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Document No			Doc Dt Full Title
D960121-00-V		V049-0-020, Rev.0	3/20/96 Piping and Instrumentation Diagram, Louisiana, Left End Station
D960122-00-V	<u> </u>	V049-0-021, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Left and Right Mid Joints
D960123-00-V		V049-0-022, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Left Beam Manifold
D960124-00-V	~ .	V049-0-023, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Vertex Section
D960125-00-V	Process Systems Int'l, Inc.	V049-0-024, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Right Beam Manifold
D960126-00-D	Janeen Hazel		5/23/96 LED Fixture
D960126-00-V	Richard Bagley	V049-0-025, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Right End Station
D960127-00-V	Richard Bagley	V049-0-026, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), Louisiana, Right End Station
D960131-00-V	Richard Bagley	V049-0-011, Rev.0	3/20/96 Piping and Instrumentation Diagram (P&ID), LIGO Vacuum Equipment - Washington, Left Mid Station
D960132-00-D	Janeen Hazel		5/23/96 Large Optic Suspension Assembly (LOS1)
D960133-00-D	Janeen Hazel		5/23/96 Large Optic Suspension Structure Assembly
D960134-00-D	Janeen Hazel		5/23/96LOS Clamp, Suspension Block
D960135-00-D	Janeen Hazel		5/23/96LOS Crescent
D960136-00-D			5/23/96 LOS Bracket, Sensor/Actuator, Bottom
D960137-00-D			5/23/96 LOS Bracket, Sensor/Actuator, Top
D960138-00-D			5/23/96 Bracket, Safety Stop, Top, Back
D960139-00-D			5/23/96 Bracket, Safety Stop, Top, Front
D960140-00-D			5/23/96 Bracket, Safety Stop, Bottom
D960141-00-D			5/23/96 Side Sensor/Actuator Plate
D960142-00-D			5/23/96 Bracket, Front, Bottom
D960143-00-D			5/23/96 Bracket, Front, Top
D960144-00-D			5/23/96LOS Suspension Block
			· · ·
D960145-00-D			5/23/96 LOS Height Adapter Assembly
D960146-00-D			5/23/96 Guide Rod
D960147-00-D			5/23/96 Guide Rod Fixture
D960148-00-D			5/23/96LOS Suspension Screw
D960149-00-D			5/23/96 LOS Side Standoff
D960151-00-O			3/13/96 LIGO Project Topographic Survey, Livingston
D960152-00-O			3/13/96 LIGO Project Topographic Survey, Cross Sections, Livingston
	Craig Conley		4/1/96 Stay Clear Zones for Inter-Station Buried Cable and Future Building Expansion
D960159-00-D			5/23/96 SOS Dummy Mass
	' ',	BT-G-001	3/25/96 Hanford Facility Drawings Issued for Construction - General Cover Sheet.
		BT-C-001, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Drawing Index, Location and Vicinity Maps.
D960162-01-O	Ralph M. Parsons Company	BT-C-002, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, General Notes, Legends and Abbreviations.
D960163-01-O	Ralph M. Parsons Company	BT-C-003, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Drawing Matrix.
D960164-01-O	Ralph M. Parsons Company	BT-C-004, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Typical Sections and Details.
D960165-01-O	Ralph M. Parsons Company	BT-C-005, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station Plan.
D960166-01-O	Ralph M. Parsons Company	BT-C-011, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 0+00 to Station 14+00.
D960167-01-O	Ralph M. Parsons Company	BT-C-012, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 14+00 to Station 28+00.
D960168-01-O	Ralph M. Parsons Company	BT-C-013, Rev. 1	3/25/96 Civil, Northwest Arm Plan and Profile, STA 28+00 to STA 42+00 - BTE Sitework & Fabrication - Hanford
D960169-01-O	Ralph M. Parsons Company	BT-C-014, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 42+00 to Station 56+00.
D960170-01-O	Ralph M. Parsons Company	BT-C-015, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 56+00 to Station 70+00.
D960171-01-O	Ralph M. Parsons Company	BT-C-016, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 70+00 to Station 84+00.
D960172-01-O	Ralph M. Parsons Company	BT-C-017, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 84+00 to Station 98+00.
		BT-C-018, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 98+00 to Station 112+00.
D960174-01-O		BT-C-019, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 112+00 to Station 126+00.
	<u>'</u>	BT-C-020, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm Plan and Profile, Station 126+00 to Station 133+00.
· · · · · · · · · · · · · · · · · · ·		BT-C-031, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 0+00 to Station 14+00.
· · · · · · · · · · · · · · · · · · ·		BT-C-032, Rev. 1	3/25/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 14+00 to Station 28+00.
	<u>'</u>	BT-C-033, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 28+00 to Station 42+00.
	<u>'</u>	BT-C-034, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 42+00 to Station 56+00.
		BT-C-035, Rev. 1	3/25/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 56+00 to Station 70+00.
	<u>'</u>	BT-C-035, Rev. 1	3/25/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 70+00.
	<u>'</u>	BT-C-030, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 84+00. 3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 84+00 to Station 98+00.
		BT-C-038, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 98+00 to Station 112+00.
		BT-C-039, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 112+00 to Station 126+00.
D-10-581008CU	Ralph M. Parsons Company	BT-C-040, Rev. 1	3/25/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm Plan and Profile, Station 126+00 to Station 133+00.

Document No Full Name	ContractorDocNo	Doc Dt Full Title
D960186-00-O Ralph M. Parsons Company	BT-S-001, Rev. 0	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, General Notes, Abbreviations and Legend.
D960187-01-O Ralph M. Parsons Company	BT-S-002, Rev. 1	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Key Plan of Beam Tube Enclosure (BTE) and Partial Enlarged Plan.
D960188-00-O Ralph M. Parsons Company	BT-S-002A, Rev. 0	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Key Plan of Beam Tube Enclosure (BTE) and Partial Enlarged Plan.
D960189-01-O Ralph M. Parsons Company	BT-S-003, Rev. 1	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Beam Tube Enclosure (BTE) Plans, Sections and Details.
D960190-01-O Ralph M. Parsons Company	BT-S-004, Rev. 1	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Key Plan of Beam Tube Enclosure (BTE) FDN and Partial Enlarged Plans.
D960191-01-O Ralph M. Parsons Company	BT-S-005, Rev. 1	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Beam Tube Enclosure (BTE) Sections and Details, Sheet 1.
D960192-00-O Ralph M. Parsons Company	BT-S-006, Rev. 0	3/27/96 Hanford Facility Drawings Issued for Construction - Structural, Beam Tube Enclosure (BTE) Sections and Details, Sheet 2.
D960193-00-O Ralph M. Parsons Company	WA-G-001, Rev. 0	4/8/96 Hanford Facility Drawings Issued for Construction - General, Cover and Drawing Index, Sheet 1.
D960193-01-O Ralph M. Parsons Company	WA-G-001, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - General, Cover and Drawing Index, Sheet 1
D960193-A-O Ralph M. Parsons Company	WA-G-001, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Cover and Drawing Index Sheet
D960194-00-O Ralph M. Parsons Company	WA-G-002, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - General, Drawing Index, Sheet 2.
D960194-01-O Ralph M. Parsons Company	WA-G-002, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - General, Drawing Index, Sheet 2
D960194-A-O Ralph M. Parsons Company	WA-G-002, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Drawing Index Sheet
D960195-00-O Ralph M. Parsons Company	WA-G-003, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - General, Drawing Index, Sheet 3.
D960195-01-O Ralph M. Parsons Company	WA-G-003, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - General, Drawing Index, Sheet 3
D960195-A-O Ralph M. Parsons Company	WA-G-003, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Drawing Index Sheet
D960196-00-O Ralph M. Parsons Company	WA-C-001, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Drawing Index, Location & Vicinity Maps
D960196-A-O Ralph M. Parsons Company	WA-C-001, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Drawing Index, Location & Vicinity Maps
D960197-00-O Ralph M. Parsons Company	WA-C-002, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, General Notes, Legend & Abbreviations.
D960197-A-O Ralph M. Parsons Company	WA-C-002, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - General Notes, Legend & Abbreviations
D960197-C-O Ralph M. Parsons Company	WA-C-002, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, General Notes, Legend, Abbreviations.
D960198-00-O Ralph M. Parsons Company	WA-C-003, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Drawing Matrix.
D960198-A-O Ralph M. Parsons Company	WA-C-003, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Drawing Matrix
D960199-00-O Ralph M. Parsons Company	WA-C-004, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Typical Sections, Details.
D960199-A-O Ralph M. Parsons Company	WA-C-004, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Typical Sections
D960199-C-O Ralph M. Parsons Company	WA-C-004, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Typical, Sections, Details.
D960200-00-O Ralph M. Parsons Company	WA-C-006, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Plot Plans, Enlarged Plans.
D960200-01-O Ralph M. Parsons Company	WA-C-006, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Corner Station Plot Plan, Enlarged Plans
D960200-A-O Ralph M. Parsons Company	WA-C-006, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Corner Station, Grading Plan
D960200-C-O Ralph M. Parsons Company	WA-C-006, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Plot Plan, Enlarged Plans.
D960201-00-O Ralph M. Parsons Company	WA-C-008, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Grading Plans, Enlarged Plans.
D960201-01-O Ralph M. Parsons Company	WA-C-008, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Corner Station Grading Plan, Enlarged Plans
D960201-C-O Ralph M. Parsons Company	WA-C-008, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Grading Plan, Enlarged Plans.
D960202-00-O Ralph M. Parsons Company	WA-C-011, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
D960202-A-O Ralph M. Parsons Company	WA-C-011, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 0+00 to Station 14+00
D960202-C-O Ralph M. Parsons Company	WA-C-011, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
D960203-00-O Ralph M. Parsons Company	WA-C-012, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 14+00 to Station 28+00.
D960203-A-O Ralph M. Parsons Company	WA-C-012, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 14+00 to Station 28+00
D960203-C-O Ralph M. Parsons Company	WA-C-012, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 14+00 to Station 28+00.
D960204-00-O Ralph M. Parsons Company	WA-C-013, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
D960204-A-O Ralph M. Parsons Company	WA-C-013, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 28+00 to Station 42+00
D960204-C-O Ralph M. Parsons Company	WA-C-013, Rev . C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 28+00 To Station 42+00.
D960205-00-O Ralph M. Parsons Company	WA-C-014, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960205-A-O Ralph M. Parsons Company	WA-C-014, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 42+00 to Station 56+00
D960205-C-O Ralph M. Parsons Company	WA-C-014, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960206-00-O Ralph M. Parsons Company	WA-C-015, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D960206-A-O Ralph M. Parsons Company	WA-C-015, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Norhtwest Arm, Plan and Profile, Station 56+00 to Station 70+00
D960206-C-O Ralph M. Parsons Company	WA-C-015, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D960207-00-O Ralph M. Parsons Company	WA-C-016, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D960207-A-O Ralph M. Parsons Company	WA-C-016, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 70+00 to Station 84+00
D960207-C-O Ralph M. Parsons Company	WA-C-016, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D960208-00-O Ralph M. Parsons Company	WA-C-017, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D960208-A-O Ralph M. Parsons Company	WA-C-017, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 84+00 to Station 98+00
D960208-C-O Ralph M. Parsons Company	WA-C-017, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D960209-00-O Ralph M. Parsons Company	WA-C-018, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 98+00 to Station 112+00.
D960209-A-O Ralph M. Parsons Company	WA-C-018, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 98+00 to Station 112+00
D960209-C-O Ralph M. Parsons Company	WA-C-018, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 98+00 to Station 112+00.

Document No Full Name	ContractorDocNo	Doc Dt Full Title
D960210-00-O Ralph M. Parsons Company	WA-C-019, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D960210-A-O Ralph M. Parsons Company	WA-C-019, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 112+00 to Station 126+00
D960210-C-O Ralph M. Parsons Company	WA-C-019, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D960211-00-O Ralph M. Parsons Company	WA-C-020, Rev. 0	4/12/96 Hanford Facility Drawings Issued for Construction - General, Cover and Drawing Index, Sheet 1.
D960211-A-O Ralph M. Parsons Company	WA-C-020, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Plan and Profile, Station 126+00 to Station 133+00
D960211-C-O Ralph M. Parsons Company	WA-C-020, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D960212-00-O Ralph M. Parsons Company	WA-C-021, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Mid-Station, Plot Plan.
D960212-A-O Ralph M. Parsons Company	WA-C-021, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, Mid-Station, Plot, Grading & Utility Plans
D960212-C-O Ralph M. Parsons Company	WA-C-021, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm Mid-Station Plot Plan.
D960213-00-O Ralph M. Parsons Company	WA-C-022. Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Mid-Station, Grading Plan.
D960213-A-O Ralph M. Parsons Company	WA-C-022, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Northwest Arm, End-Station, Plot, Grading & Utility Plans
D960213-C-O Ralph M. Parsons Company	WA-C-022, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Mid-Station, Grading Plan.
D960214-00-O Ralph M. Parsons Company	WA-C-023, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Mid-Station, Utility Plan.
D960214-C-O Ralph M. Parsons Company	WA-C-023, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, Mid-Station, Utility Plan.
D960215-00-O Ralph M. Parsons Company	WA-C-025, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, End-Station, Plot Plan.
D960215-B-O Ralph M. Parsons Company	WA-C-025, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm End-Station Plot Plan.
D960216-00-O Ralph M. Parsons Company	WA-C-026, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, End-Station, Grading Plan.
D960216-B-O Ralph M. Parsons Company	WA-C-026, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, End-Station, Grading Plan.
D960217-00-O Ralph M. Parsons Company	WA-C-027, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, End-Station, Utility Plan.
D960217-B-O Ralph M. Parsons Company	WA-C-027, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Northwest Arm, End-Station, Utility Plan.
D960218-00-O Ralph M. Parsons Company	WA-C-031, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 0+00 to 14+00.
D960218-A-O Ralph M. Parsons Company	WA-C-031, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 0+00 to Station 14+00
D960218-C-O Ralph M. Parsons Company	WA-C-031, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
D960219-00-O Ralph M. Parsons Company	WA-C-032, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 14+00 to 28+00.
D960219-A-O Ralph M. Parsons Company	WA-C-032, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 14+00 to Station 28+00
D960219-B-O Ralph M. Parsons Company	WA-C-032, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 14+00 to Station 28+00.
D960219-C-O Ralph M. Parsons Company	WA-C-032, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 14+00 to 28+00.
D960220-00-O Ralph M. Parsons Company	WA-C-033, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
D960220-A-O Ralph M. Parsons Company	WA-C-033	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00
D960220-B-O Ralph M. Parsons Company	WA-C-033, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 28+00 To Station 42+00.
D960220-C-O Ralph M. Parsons Company	WA-C-033, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
D960221-00-O Ralph M. Parsons Company	WA-C-034, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960221-A-O Ralph M. Parsons Company	WA-C-034, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00
D960221-B-O Ralph M. Parsons Company	WA-C-034, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 42+00 To Station 56+00.
D960221-C-O Ralph M. Parsons Company	WA-C-034, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960222-00-O Ralph M. Parsons Company	WA-C-035, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D960222-A-O Ralph M. Parsons Company	WA-C-035, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 56+00 to Station 70+00
D960222-B-O Ralph M. Parsons Company	WA-C-035, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 56+00 To Station 70+00.
D960222-C-O Ralph M. Parsons Company	WA-C-035, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D960223-00-O Ralph M. Parsons Company	WA-C-036, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 70+00 TO Station 84+00.
D960223-A-O Ralph M. Parsons Company	WA-C-036, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 70+00 to Station 84+00
D960223-B-O Ralph M. Parsons Company	WA-C-036, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 70+00 To Station 84+00.
D960223-C-O Ralph M. Parsons Company	WA-C-036, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D960224-00-O Ralph M. Parsons Company	WA-C-037, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D960224-A-O Ralph M. Parsons Company	WA-C-037, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00
D960224-B-O Ralph M. Parsons Company	WA-C-037, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 84+00 To Station 98+00.
D960224-C-O Ralph M. Parsons Company	WA-C-037, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D960225-00-O Ralph M. Parsons Company	WA-C-038, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 98+00 to 112+00.
D960225-A-O Ralph M. Parsons Company	WA-C-038, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 98+00 to Station 112+00
D960225-B-O Ralph M. Parsons Company	WA-C-038, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 98+00 To Station 112+00.
D960225-C-O Ralph M. Parsons Company	WA-C-038, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 98+00 to Station 112+00.
D960226-00-O Ralph M. Parsons Company	WA-C-039, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D960226-A-O Ralph M. Parsons Company	WA-C-039, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00
D960226-B-O Ralph M. Parsons Company	WA-C-039, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 112+00 To Station 126+00.
D960226-C-O Ralph M. Parsons Company D960227-00-O Ralph M. Parsons Company	WA-C-039, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00. 6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D960227-A-O Ralph M. Parsons Company	WA-C-040, Rev. 0 WA-C-040, Rev. A	10/31/95 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
Raipii W. Paisons Company	VVA-0-040, Rev. A	10/31/39 I alliotu i adility Diawings, Freilitilitary Design Review (FDR) - Civil, Southwest Alth, Flantanu Floille, Station 120+00 to Station 133+00

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D960227-B-O Ralph M. Parsons Company	WA-C-040, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile Station 126+00 to Station 133+00.
D960227-C-O Ralph M. Parsons Company	WA-C-040, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D960228-00-O Ralph M. Parsons Company	WA-C-041, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Plot Plan.
D960228-A-O Ralph M. Parsons Company	WA-C-041, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, Mid-Station, Plot, Grading & Utility Plans
D960228-B-O Ralph M. Parsons Company	WA-C-041, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Plot Plan.
D960228-C-O Ralph M. Parsons Company	WA-C-041, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Plot Plan.
D960229-00-O Ralph M. Parsons Company	WA-C-042, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Grading Plan.
D960229-A-O Ralph M. Parsons Company	WA-C-042, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Civil, Southwest Arm, End-Station, Plot, Grading & Utility Plans
D960229-B-O Ralph M. Parsons Company	WA-C-042, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Grading Plan.
D960229-C-O Ralph M. Parsons Company	WA-C-042, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Grading Plan.
D960230-00-O Ralph M. Parsons Company	WA-C-043, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Utility Plan.
D960230-B-O Ralph M. Parsons Company	WA-C-043, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Utility Plan.
D960230-C-O Ralph M. Parsons Company	WA-C-043, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, Mid-Station, Utility Plan.
D960231-00-O Ralph M. Parsons Company	WA-C-045, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Plot Plan.
D960231-A-O Ralph M. Parsons Company	WA-C-045, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Plot Plan.
D960231-B-O Ralph M. Parsons Company	WA-C-045, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Plot Plan.
D960232-00-O Ralph M. Parsons Company	WA-C-046, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Grading Plan.
D960232-A-O Ralph M. Parsons Company	WA-C-046, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Grading Plan.
D960232-B-O Ralph M. Parsons Company	WA-C-046, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Grading Plan.
D960233-00-O Ralph M. Parsons Company	WA-C-047, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Utility Plan.
D960233-A-O Ralph M. Parsons Company	WA-C-047, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Utility Plan.
D960233-B-O Ralph M. Parsons Company	WA-C-047, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Southwest Arm, End-Station, Utility Plan.
D960234-00-O Ralph M. Parsons Company	WA-C-050, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, LIGO Access Road, Plan and Profile.
D960234-B-O Ralph M. Parsons Company	WA-C-050, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Civil, LIGO Access Road, Plan and Profile.
D960234-C-O Ralph M. Parsons Company	WA-C-050, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, LIGO Access Road, Plan and Profile.
D960235-00-O Ralph M. Parsons Company	WA-C-051, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Civil, Sitework Details, Sheet 1.
D960235-01-O Ralph M. Parsons Company	WA-C-051, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Sitework Details, Sheet 1
D960235-A-O Ralph M. Parsons Company	WA-C-051, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Civil, Sitework Details, Sheet 1.
D960236-00-O Ralph M. Parsons Company	WA-C-052, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Sitework Details, Sheet 2.
D960236-A-O Ralph M. Parsons Company	WA-C-052, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Sitework Details, Sheet 2.
D960236-B-O Ralph M. Parsons Company	WA-C-052, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil Sitework Details Sheet 2.
D960237-00-O Ralph M. Parsons Company	WA-C-053, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections, Details, Sheet 1.
D960237-A-O Ralph M. Parsons Company	WA-C-053, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections & Details, Sheet 1.
D960237-B-O Ralph M. Parsons Company	WA-C-053, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections Details, Sheet 1.
D960238-00-O Ralph M. Parsons Company	WA-C-054, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections, Details, Sheet 2.
D960238-A-O Ralph M. Parsons Company	WA-C-054, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections & Details, Sheet 2.
D960238-B-O Ralph M. Parsons Company	WA-C-054, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Grading Sections Details, Sheet 2.
D960239-00-O Ralph M. Parsons Company	WA-C-055, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Details, Sheet 1.
D960239-A-O Ralph M. Parsons Company	WA-C-055, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Details, Sheet 1.
D960239-B-O Ralph M. Parsons Company	WA-C-055, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Details, Sheet 1.
D960240-00-O Ralph M. Parsons Company	WA-C-056, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Detail, Sheet 2.
D960240-A-O Ralph M. Parsons Company	WA-C-056, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Details, Sheet 2.
D960240-B-O Ralph M. Parsons Company	WA-C-056, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Utility Details, Sheet 2.
D960241-00-O Ralph M. Parsons Company	WA-C-505, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Plot Plan.
D960241-01-O Ralph M. Parsons Company	WA-C-505, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Corner Station Plot Plan
D960241-A-O Ralph M. Parsons Company	WA-C-505, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Plot Plan.
D960241-B-O Ralph M. Parsons Company	WA-C-505, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Plot Plan.
D960242-00-O Ralph M. Parsons Company	WA-C-507, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Grading Plan.
D960242-01-O Ralph M. Parsons Company	WA-C-507, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Corner Station Grading Plan
D960242-A-O Ralph M. Parsons Company	WA-C-507, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Grading Plan.
D960242-B-O Ralph M. Parsons Company	WA-C-507, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Grading Plan.
D960243-00-O Ralph M. Parsons Company	WA-C-509, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plan.
D960243-01-O Ralph M. Parsons Company	WA-C-509, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Civil, Corner Station Utility Plan
D960243-A-O Ralph M. Parsons Company	WA-C-509, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plan.
D960243-B-O Ralph M. Parsons Company	WA-C-509, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plan.
D960244-00-O Ralph M. Parsons Company	WA-C-510, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plans, Enlarged Plans.
D960244-A-O Ralph M. Parsons Company	WA-C-510, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plan, Enlarged Plans.
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D960244-B-O Ralph M. Parsons Company	WA-C-510, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Civil, Corner Station, Utility Plan, Enlarged Plans.
D960245-00-O Ralph M. Parsons Company	WA-A-001, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, Legend, Symbols, Abbreviations.
D960245-A-O Ralph M. Parsons Company	WA-A-001, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, General Notes & Abbreviations
D960245-B-O Ralph M. Parsons Company	WA-A-001, Rev. A	4/19/96 Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Legend, Symbols & Abbreviations.
D960245-C-O Ralph M. Parsons Company	WA-A-001, Rev. C	5/22/96 Hanford Facility Construction Drawings, Bid Set Addendum II - Architectural, Legend, Symbols, Abbreviations
D960246-00-O Ralph M. Parsons Company	WA-A-002, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, General Notes, Life Safety Plan.
D960246-A-O Ralph M. Parsons Company	WA-A-002, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, General Notes & Life Safety Plan
D960246-B-O Ralph M. Parsons Company	WA-A-002, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, General Notes & Life Safety Plan.
D960247-00-O Ralph M. Parsons Company	WA-A-107, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Floor Plan
D960247-01-O Ralph M. Parsons Company	WA-A-107, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Floor Plan
D960247-A-O Ralph M. Parsons Company	WA-A-107, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, OSB Floor Plan
D960247-B-O Ralph M. Parsons Company	WA-A-107, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Floor Plan.
D960247-C-O Ralph M. Parsons Company	WA-A-107, Rev. C	5/22/96Hanford Facility Construction Drawings, Bid Set Addendum II - Architectural, Corner Station, OSB, Floor Plan
D960248-00-O Ralph M. Parsons Company	WA-A-108, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Partial Floor Plan, Sheet 1
D960248-01-O Ralph M. Parsons Company	WA-A-108, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Partial Floor Plan, Sheet 1
D960248-A-O Ralph M. Parsons Company	WA-A-108, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, OSB Partial Floor Plan
D960248-B-O Ralph M. Parsons Company	WA-A-108, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Partial Floor Plan, Sheet 1
D960248-C-O Ralph M. Parsons Company	WA-A-108, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Review and Bid Set - Architectural, Corner Station, OSB, Partial Floor Plan, Sheet 1
D960249-00-O Ralph M. Parsons Company	WA-A-109, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Partial Floor Plan, Sheet 2
D960249-01-O Ralph M. Parsons Company	WA-A-109, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Partial Floor Plan, Sheet 2
D960249-A-O Ralph M. Parsons Company	WA-A-109, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, OSB Partial Floor Plan
D960249-B-O Ralph M. Parsons Company	WA-A-109, Rev. B	4/19/96Hanford Facility Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Partial Floor Plan, Sheet 2
D960249-C-O Ralph M. Parsons Company	WA-A-109, Rev. C	5/22/96Hanford Facility Cosntruction Drawings, Bid Set Addendum II - Architectural, Corner Station, OSB, Partial Floor Plan, Sheet 2
D960250-00-O Ralph M. Parsons Company	WA-A-111, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Enlarged Plans
D960250-01-O Ralph M. Parsons Company	WA-A-111, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Enlarged Plans
D960250-A-O Ralph M. Parsons Company	WA-A-111, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Staton, OSB Enlarged Plans
D960250-B-O Ralph M. Parsons Company	WA-A-111, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Enlarged Plans
D960250-C-O Ralph M. Parsons Company	WA-A-111, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Neview (FBN) and Bid Set FArminectural, Corner Station, OSB, Enlarged Plans
D960251-00-O Ralph M. Parsons Company	WA-A-112, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, Maintenance Building Plans
D960251-A-O Ralph M. Parsons Company	WA-A-112, Rev. 0	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, Maintenance Building Floor Plan
D960251-B-O Ralph M. Parsons Company	WA-A-112, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Maintenance Building Plans
D960251-C-O Ralph M. Parsons Company	WA-A-112, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Neview (FBN) and Bid Set FAcilitectural, Corner Station, Maintenance Building Plans
D960252-00-O Ralph M. Parsons Company	WA-A-122, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Partial Reflected Ceiling Plan, Sheet 1
D960252-01-O Ralph M. Parsons Company	WA-A-122, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Partial Reflected Ceiling Plan, Sheet 1
D960252-A-O Ralph M. Parsons Company	WA-A-122, Rev. A	10/31/95Hanford Facility Drawings Issued for Constitution, NE vicion 1 Architectural, Corner Station, OSB Partial Reflected Ceiling Plan
D960252-B-O Ralph M. Parsons Company	WA-A-122, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Partial Reflected Ceiling Plan, Sheet 1
D960253-00-O Ralph M. Parsons Company	WA-A-123, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Partial Reflected Ceiling Plan, Sheet 2
D960253-A-O Ralph M. Parsons Company	WA-A-123, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, OSB Partial Reflected Ceiling Plan
D960253-B-O Ralph M. Parsons Company	WA-A-123, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Partial Reflected Ceiling Plan, Sheet 2
D960253-C-O Ralph M. Parsons Company	WA-A-123, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set FAcilitectural, Corner Station, OSB, Partial Reflected, Ceiling Plan, Sheet 2
D960254-00-O Ralph M. Parsons Company	WA-A-132, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, OSB, Roof Plan
D960254-01-O Ralph M. Parsons Company	WA-A-132, Rev. 1	2/28/97 Hanford Facility Drawings, Issued for Construction, REVISION 1 - Architectural, Corner Station, OSB Roof Plan
D960254-B-O Ralph M. Parsons Company	WA-A-132, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, OSB Roof Plan
D960254-C-O Ralph M. Parsons Company	WA-A-132, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Neview (FDR) and Bid Set - Architectural, Corner Station, OSB, Roof Plan
D960255-00-O Ralph M. Parsons Company	WA-A-143, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, Maintenance Building, Elevations, Sections
D960255-B-O Ralph M. Parsons Company	WA-A-143, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Maintenance, Building Elevations/Sections.
D960255-C-O Ralph M. Parsons Company	WA-A-143, Rev. C	5/22/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Maintenance, Building Elevations/Sections.
D960256-00-O Ralph M. Parsons Company	WA-A-161, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, Wall Sections, Sheet 1
D960256-01-O Ralph M. Parsons Company	WA-A-161, Rev. 1	2/28/97/Hanford Facility Drawings, Issued for Construction, REVISION 1 - Architectural, Corner Station, Wall Sections, Sheet 1
D960256-B-O Ralph M. Parsons Company	WA-A-161, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Wall Sections, Sheet 1
D960257-00-O Ralph M. Parsons Company	WA-A-161, Rev. B	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, Wall Sections, Sheet 1
D960257-01-O Ralph M. Parsons Company	WA-A-162, Rev. 1	2/28/97/Hanford Facility Drawings, Issued for Construction, REVISION 1 - Architectural, Corner Station, Wall Sections, Sheet 2
D960257-B-O Ralph M. Parsons Company	WA-A-162, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Wall Section, Sheet 2
D960258-00-O Ralph M. Parsons Company	WA-A-163, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Corner Station, Wall Sections, Sheet 3
D960258-B-O Ralph M. Parsons Company	WA-A-163, Rev. B	4/19/96Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Corner Station, Wall Sections, Sheet 3
D960259-00-O Ralph M. Parsons Company	WA-A-201, Rev. 0	7/12/96Hanford Facility Drawings, Issued for Construction - Architectural, Mid Stations, Floor Plans
D960259-01-O Ralph M. Parsons Company	WA-A-201, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, Mid Stations Floor Plans
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D960259-A-O Ralph M. Parsons Company	WA-A-201, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Mid-Station Floor Plan
D960259-B-O Ralph M. Parsons Company	WA-A-201, Rev. B	4/19/96 Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Mid Stations, Floor Plans
D960259-C-O Ralph M. Parsons Company	WA-A-201, Rev. C	5/22/96 Hanford Facility Construction Drawings, Bid Set Addendum II - Architectural, Mid-Stations, Floor Plans
D960260-00-O Ralph M. Parsons Company	WA-A-202, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, End Stations, Floor Plans
D960260-01-O Ralph M. Parsons Company	WA-A-202, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Architectural, End Stations Floor Plans
D960260-B-O Ralph M. Parsons Company	WA-A-202, Rev. B	4/19/96 Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, End Stations, Floor Plans
D960260-C-O Ralph M. Parsons Company	WA-A-202, Rev. C	5/22/96 Hanford Facility Construction Drawings, Bid Set Addendum II - Architectural, End Station, Floor Plans
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D960261-A-O Ralph M. Parsons Company	WA-A-221, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Mid & End Stations, Reflected Ceiling and Roof Plan
D960261-B-O Ralph M. Parsons Company	WA-A-221, Rev. B	4/19/96 Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Mid & End Stations, Reflected Ceiling Plan & Roof Plan
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D960262-A-O Ralph M. Parsons Company	WA-A-241, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Mid & End Stations, Building Elevations
D960262-B-O Ralph M. Parsons Company	WA-A-241, Rev. B	4/19/96 Hanford Facility Construction Drawings, Final Design Review (FDR) and Bid Set - Architectural, Mid & End Stations, Building Elevations
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D960263-A-O Ralph M. Parsons Company	WA-A-251, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Mid & End Stations, Building Sections
D960263-B-O Ralph M. Parsons Company	WA-A-251, Rev. B	4/19/96 Hanford Facility Drawings, Final Design Review (FDR) and Bid Set - Architectural, Mid & End Stations, Building Sections
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D960264-B-O Ralph M. Parsons Company	WA-A-261, Rev. B	4/19/96 Hanford Facility Drawings, Final Design Review (FDR) and Bid Set - Architectural, Mid & End Stations, Wall Sections
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D960266-00-O Ralph M. Parsons Company	WA-A-422, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, Interior, Wall Details.
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D960267-00-O Ralph M. Parsons Company	WA-A-423, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, Window and Louver Details
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D960268-00-O Ralph M. Parsons Company	WA-A-424, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, Ceiling and Miscellaneous Interior Details
D960268-B-O Ralph M. Parsons Company	WA-A-424, Rev. B	4/19/96 Hanford Facility Drawings, Final Design Review (FDR) and Bid Set - Architectural, Ceiling & Miscellaneous Interior Details
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D960269-00-O Ralph M. Parsons Company	WA-A-425, Rev. 0	7/12/96 Hanford Facility Drawings, Issued for Construction - Architectural, Roof, Miscellaneous Exterior Details
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D960302-00-O Ralph M. Parsons Company	WA-S-122, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Framing, Elevations, Sheet 5.
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D960302-B-O Ralph M. Parsons Company	WA-S-122, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB Framing, Elevations, Sheet 5.
D960303-00-O Ralph M. Parsons Company	WA-S-123, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Framing, Elevations, Sheet 6.
D960303-A-O Ralph M. Parsons Company	WA-S-123, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (OSB) Framing Elevations, Sheet 6
D960303-B-O Ralph M. Parsons Company	WA-S-123, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB Framing, Elevations, Sheet 6.
D960304-00-O Ralph M. Parsons Company	WA-S-124, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Framing, Elevations, Sheet 7.
D960304-A-O Ralph M. Parsons Company	WA-S-124, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (OSB) Framing Elevations, Sheet 7
D960304-B-O Ralph M. Parsons Company	WA-S-124, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB Framing, Elevation, Sheet 3.
D960304-C-O Ralph M. Parsons Company	WA-S-124, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Framing, Elevations, Sheet 7.
D960305-00-O Ralph M. Parsons Company	WA-S-125, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Maintenance, Building, Framing Plans, Elevations.
D960305-B-O Ralph M. Parsons Company	WA-S-125, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Maintenance, Building, Framing Plans & Elevations.
D960306-00-O Ralph M. Parsons Company	WA-S-126, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Maintenance, Building, FDN Plan, Sections.
D960306-B-O Ralph M. Parsons Company	WA-S-201, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Mid Station "A" & End Station "A" Foundation Plans.
D960307-00-O Ralph M. Parsons Company	WA-S-201, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid Station "A", End Station "A", Foundation Plans.
D960307-A-O Ralph M. Parsons Company	WA-S-201, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Mid-Station and Chiller Foundation Plans
D960308-00-O Ralph M. Parsons Company	WA-S-202, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Air Handling Unit, Enclosure, Plans.
D960308-A-O Ralph M. Parsons Company	WA-S-202, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, Air Handling Unit, Enclosure Plans.
D960308-B-O Ralph M. Parsons Company	WA-S-202, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Air Handling Unit, Enclosure Plans.
D960309-00-O Ralph M. Parsons Company	WA-S-203, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Air Handling Unit, Enclosure, Elevations, Sections.
D960309-A-O Ralph M. Parsons Company	WA-S-203, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, Air Handling Unit, Enclosure, Elevs & Sects.
D960310-00-O Ralph M. Parsons Company	WA-S-204, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations "A", Roof and Crane Girder, Framing Plans.
D960310-A-O Ralph M. Parsons Company	WA-S-204, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Mid-Station Roof & Crane Girder Framing Plans
D960310-B-O Ralph M. Parsons Company	WA-S-204, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, "A" Roof & Crane Girder Framing Plans.
D960310-C-O Ralph M. Parsons Company	WA-S-204, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations "A", Roof And Crane Girder, Framing Plans.
D960311-00-O Ralph M. Parsons Company	WA-S-205, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Framing, Elevations, Sheet 1.
D960311-A-O Ralph M. Parsons Company	WA-S-205, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Mid-Station Framing Elevations, Sheet 1
D960311-B-O Ralph M. Parsons Company	WA-S-205, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, Framing Elevations, Sheet 1.
D960312-00-O Ralph M. Parsons Company	WA-S-206, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Framing, Elevations, Sheet 2.
D960312-A-O Ralph M. Parsons Company	WA-S-206, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Mid-Station Framing Elevations, Sheet 2
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D960313-00-O Ralph M. Parsons Company	WA-S-207, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Framing, Elevations, Sheet 3.
D960313-A-O Ralph M. Parsons Company	WA-S-207, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Mid-Station Framing Elevations, Sheet 3
D960313-B-O Ralph M. Parsons Company	WA-S-207, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, Framing Elevations, Sheet 3.
D960314-00-O Ralph M. Parsons Company	WA-S-208, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid Station "B", End Station, Plans.
D960314-B-O Ralph M. Parsons Company	WA-S-208, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid Station, "B" & End Station, "B" Foundation Plans.
D960315-00-O Ralph M. Parsons Company	WA-S-209, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations "B", Roof and Crane Girder, Framing, Plans.
D960315-A-O Ralph M. Parsons Company	WA-S-209, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Stations, "B" Roof & Crane Girder, Framing Plans.
D960315-B-O Ralph M. Parsons Company	WA-S-209, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations "B", Roof and Crane Girder, Framing Plans.
D960316-00-O Ralph M. Parsons Company	WA-S-401, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Stations, Foundation, Schedule, Details.
D960316-A-O	WA-S-401, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Mid & End Station, Foundation, Schedule and Details.
D960316-B-O Ralph M. Parsons Company	WA-S-401, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Mid and End Station, Foundation, Schedule, Details.
D960317-00-O Ralph M. Parsons Company	WA-S-402, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Foundation, Schedule, Details, Sheet 1.
D960317-A-O Ralph M. Parsons Company	WA-S-402, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB Foundation, Schedule & Details, Sheet 1.
D960318-00-O Ralph M. Parsons Company	WA-S-403, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB, Foundation, Schedule, Details, Sheet 2.
D960318-A-O Ralph M. Parsons Company	WA-S-403, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, OSB Foundation, Schedule & Details, Sheet 2.
D960319-00-O Ralph M. Parsons Company	WA-S-405, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Foundation, Sections, Details, Sheet 1.
D960319-A-O Ralph M. Parsons Company	WA-S-405, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Foundation Sections & Details, Sheet 1.
D960319-B-O Ralph M. Parsons Company	WA-S-405, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Foundation, Sections, Details, Sheet 1.
D960320-00-O Ralph M. Parsons Company	WA-S-406, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Foundation, Sections, Details, Sheet 2.
D960320-A-O Ralph M. Parsons Company	WA-S-406, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Foundation Sections & Details, Sheet 2.
D960321-00-O Ralph M. Parsons Company	WA-S-407, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Structural Steel, Sections, Details.
D960321-A-O Ralph M. Parsons Company	WA-S-407, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Steel Sections & Details.
D960321-B-O Ralph M. Parsons Company	WA-S-407, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Structural, Structural Steel, Sections, Details.
D960322-00-O Ralph M. Parsons Company	WA-S-501, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Foundation Plan.
D960322-A-O Ralph M. Parsons Company	WA-S-501, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Foundation Plan.
D960323-00-O Ralph M. Parsons Company	WA-S-502, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Air Handling Unit, Enclosure, Plan.
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D960324-00-O Ralph M. Parsons Company D960324-A-O Ralph M. Parsons Company	WA-S-503, Rev. 0	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Air Handling Unit, Enclosure, Elevations, Sections. 4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Air Handling Unit, Enclosure, Elevations, Sections. 4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Air Handling Unit, Enclosure Elevs & Sects.
D960324-00-O Ralph M. Parsons Company	WA-S-503, Rev. 0 WA-S-503, Rev. A	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Air Handling Unit, Enclosure, Elevations, Sections.
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D960336-00-O Ralph M. Parsons Company	WA-S-515, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Framing, Elevations, Sheet 9.
D960336-A-O Ralph M. Parsons Company	WA-S-515, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Framing Elevations, Sheet 9.
D960337-00-O Ralph M. Parsons Company	WA-S-516, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Framing, Elevations, Sheet 10.
D960337-A-O Ralph M. Parsons Company	WA-S-516, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Framing Elevations, Sheet 10.
D960338-00-O Ralph M. Parsons Company	WA-S-517, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Truss, Elevations, Sheet 1.
D960338-A-O Ralph M. Parsons Company	WA-S-517, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Truss Elevation, Sheet 1.
D960339-00-O Ralph M. Parsons Company	WA-S-518, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Truss, Elevations, Sheet 2.
D960339-A-O Ralph M. Parsons Company	WA-S-518, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Truss Elevation, Sheet 2.
D960340-00-O Ralph M. Parsons Company	WA-S-519, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Foundation, Schedule.
D960340-A-O Ralph M. Parsons Company	WA-S-519, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA Foundation Schedule.
D960341-00-O Ralph M. Parsons Company	WA-S-520, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Foundation, Sections, Details.
D960341-A-O Ralph M. Parsons Company	WA-S-520, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Foundation Sections and Details.
D960342-00-O Ralph M. Parsons Company	WA-S-521, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, LVEA, Structural Steel, Sections, Details.
D960342-A-O Ralph M. Parsons Company	WA-S-521, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural, Corner Station, Steel Sections and Details.
D960343-00-O Ralph M. Parsons Company	WA-H-001, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - HVAC, Legend, Abbreviations.
D960343-A-O Ralph M. Parsons Company	WA-H-001, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Legend and Abbreviations
D960343-B-O Ralph M. Parsons Company	WA-H-001, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Legend & Abbreviations.
D960344-00-O Ralph M. Parsons Company	WA-H-002, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - HVAC, Legend, General Notes.
D960344-A-O Ralph M. Parsons Company	WA-H-002, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Legend and General Notes
D960344-B-O Ralph M. Parsons Company	WA-H-002, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Legend & General Notes - Hanford
D960345-00-O Ralph M. Parsons Company	WA-H-003, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - HVAC, Equipment, Schedules, Sheet 1.
D960345-A-O Ralph M. Parsons Company	WA-H-003, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Equipment Schedule
D960345-B-O Ralph M. Parsons Company	WA-H-003, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Equipment Schedules, Sheet 1.
D960345-C-O Ralph M. Parsons Company	WA-H-003, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - HVAC, Equipment, Schedules, Sheet 1.
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D960346-01-O Ralph M. Parsons Company	WA-H-004, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - HVAC, Equipment Schedules, Sheet 2
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D960346-B-O Ralph M. Parsons Company	WA-H-004, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Eqiupment Schedules, Sheet 2.
D960347-00-O Ralph M. Parsons Company	WA-H-005, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Equipment, Schedules, Sheet 3.
D960347-A-O Ralph M. Parsons Company	WA-H-005, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Equipment Schedule
D960347-B-O Ralph M. Parsons Company	WA-H-005, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Equipment Schedules, Sheet 3.
D960348-00-O Ralph M. Parsons Company	WA-H-006, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Equipment, Schedules, Sheet 4.
D960348-A-O Ralph M. Parsons Company	WA-H-006, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Equipment Schedules, Sheet 4.
D960348-B-O Ralph M. Parsons Company	WA-H-006, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - HVAC, Equipment, Schedules, Sheet 4.
D960349-00-O Ralph M. Parsons Company	WA-H-007, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Control System Diagram.
D960349-A-O Ralph M. Parsons Company	WA-H-007, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Control System Diagram.
D960350-00-O Ralph M. Parsons Company	WA-H-113, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, OSB, Floor Plan, Sheet 1.
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D960350-B-O Ralph M. Parsons Company	WA-H-113, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, OSB Floor Plan, Sheet 1.
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D960351-B-O Ralph M. Parsons Company	WA-H-114, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, OSB Floor Plan, Sheet 2.
D960352-00-O Ralph M. Parsons Company	WA-H-115, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Chiller Yard, Floor Plan.
D960352-A-O Ralph M. Parsons Company	WA-H-115, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Chillers Yard Floor Plan.
D960353-00-O Ralph M. Parsons Company	WA-H-116, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Maintenance Building, Floor Plan.
D960353-A-O Ralph M. Parsons Company	WA-H-116, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Maintenance Building Floor Plan.
D960354-00-O Ralph M. Parsons Company	WA-H-121, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Chilled Water, Flow Diagram.
D960354-A-O Ralph M. Parsons Company	WA-H-121, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Corner Station, Chilled Water Flow Diagram
D960354-B-O Ralph M. Parsons Company	WA-H-121, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Chilled Water Flow Diagram.
D960355-00-O Ralph M. Parsons Company	WA-H-122, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Air Flow, Diagrams, Sheet 1.
D960355-A-O Ralph M. Parsons Company	WA-H-122, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Corner Station, LVEA and OSB Air Flow and Control Diagram
D960355-B-O Ralph M. Parsons Company	WA-H-122, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Air Flow Diagrams, Sheet 1.
D960356-00-O Ralph M. Parsons Company	WA-H-123, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Air Flow, Diagrams, Sheet 2.
D960356-A-O Ralph M. Parsons Company	WA-H-123, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Air Flow Diagram, Sheet 2.
D960357-00-O Ralph M. Parsons Company	WA-H-141, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sequences of Operation, I/O Summary, Sheet 1.
D960357-A-O Ralph M. Parsons Company	WA-H-141, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sequences of Operation & I/O Summary, Sheet 1.

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D960358-00-O Ralph M. Parsons Company	WA-H-142, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sequences of Operation, I/O Summary, Sheet 2.
D960358-A-O Ralph M. Parsons Company	WA-H-142, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sequences of Operation & I/O Summary, Sheet 2.
D960358-B-O Ralph M. Parsons Company	WA-H-142, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sequences of Operations, I/O Summary, Sheet 2.
D960359-00-O Ralph M. Parsons Company	WA-H-153, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sections, Sheet 3.
D960359-A-O Ralph M. Parsons Company	WA-H-153, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station Sections, Sheet 3.
D960360-00-O Ralph M. Parsons Company	WA-H-211, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "A", Floor Plan.
D960360-A-O Ralph M. Parsons Company	WA-H-211, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Mid-Station Floor Plan and Mid-Station Chiller Yard Plan
D960360-B-O Ralph M. Parsons Company	WA-H-211, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, "A" Floor Plan.
D960360-C-O Ralph M. Parsons Company	WA-H-211, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "A", Floor Plan.
D960361-00-O Ralph M. Parsons Company	WA-H-212, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "B", Floor Plan.
D960361-A-O Ralph M. Parsons Company	WA-H-212, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, "B" Floor Plan.
D960361-B-O Ralph M. Parsons Company	WA-H-212, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "B", Floor Plan.
D960362-00-O Ralph M. Parsons Company	WA-H-213, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "A", Chiller Yard Plan.
D960362-A-O Ralph M. Parsons Company	WA-H-213, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, "A" Chillers Yard Plan.
D960363-00-O Ralph M. Parsons Company	WA-H-214, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "B", Chiller Yard Plan.
D960363-A-O Ralph M. Parsons Company	WA-H-214, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Station, "B" Chillers Yard Plan.
D960364-00-O Ralph M. Parsons Company	WA-H-215, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "A", Piping Plan.
D960364-A-O Ralph M. Parsons Company	WA-H-215, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, "A" Piping Plan.
D960364-B-O Ralph M. Parsons Company	WA-H-215, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "A", Piping Plan.
D960365-00-O Ralph M. Parsons Company	WA-H-216, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "B", Piping Plan.
D960365-A-O Ralph M. Parsons Company	WA-H-216, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, "B" Piping Plan.
D960365-B-O Ralph M. Parsons Company	WA-H-216, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations "B", Piping Plan.
D960366-00-O Ralph M. Parsons Company	WA-H-221, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations, Chilled Water and Air Flow Diagrams.
D960366-A-O Ralph M. Parsons Company	WA-H-221, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Mid-Station Air Flow and Chilled Water Diagram
D960366-B-O Ralph M. Parsons Company	WA-H-221, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, Chilled Water & Air Flow Diagrams.
D960367-00-O Ralph M. Parsons Company	WA-H-231, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations, Sequences of Operation, I/O Summary Sheet.
D960367-A-O Ralph M. Parsons Company	WA-H-231, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations, Sequences of Operation I/O Summary Sheet.
D960367-B-O Ralph M. Parsons Company	WA-H-231, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations, Sequences of Operation, I/O Summary Sheet.
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D960368-00-O Ralph M Parsons Company	·	
D960368-00-O Ralph M. Parsons Company	WA-H-241, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations, Sections, Sheet 1.
D960368-A-O Ralph M. Parsons Company	WA-H-241, Rev. 0 WA-H-241, Rev. A	6/24/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid and End Stations, Sections, Sheet 1. 4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Mid & End Stations Sections, Sheet 1.
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D960336-P-C Ralph M. Parsons Company WAE-106, Rw. 0. 4/990Flanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Recoptable and Power Plan - Hanford.	D960395-A-O Ralph M. Parsons Company	WA-E-106, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station OSB, Lab Area Power Plan
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D960398-C-O Ralph M. Parsons Company WA-E-110, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960399-A-O Ralph M. Parsons Company WA-E-110, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection and Security Plan. D960399-B-O Ralph M. Parsons Company WA-E-110, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection and Security Plan. D960400-00-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960400-00-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Constructi			10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Communications Riser Diagram
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D960399-A-O Ralph M. Parsons Company D960399-B-O Ralph M. Parsons Company WA-E-110, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station OSB, Office Area Fire Det and Security Plan. D960399-C-O Ralph M. Parsons Company WA-E-110, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960400-00-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/996 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building Power Plan D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/996 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960398-C-O Ralph M. Parsons Company	WA-E-109, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Communications, Riser, Diagram.
D960399-B-O Ralph M. Parsons Company WA-E-110, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection and Security Plan. D960399-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960400-0-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-0-O Ralph M. Parsons Company WA-E-112, Rev. O 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. O 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960399-00-O Ralph M. Parsons Company	WA-E-110, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan.
D960399-C-O Ralph M. Parsons Company WA-E-110, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan. D960400-00-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960400-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960399-A-O Ralph M. Parsons Company	WA-E-110, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station OSB, Office Area Fire Det and Security Plan
D960400-0-O Ralph M. Parsons Company WA-E-111, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960401-0-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960399-B-O Ralph M. Parsons Company	WA-E-110, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection and Security Plan.
D960400-A-O Ralph M. Parsons Company WA-E-111, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station OSB, Lab Area, Fire Det and Security Plan. D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960400-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Maintenance Building, Grounding Plan. D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960399-C-O Ralph M. Parsons Company	WA-E-110, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Office Area, Fire Detection, Security Plan.
D960400-B-O Ralph M. Parsons Company WA-E-111, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan. D960400-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Maintenance Building Power Plan D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960400-00-O Ralph M. Parsons Company	WA-E-111, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan.
D960400-C-O Ralph M. Parsons Company WA-E-111, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan. D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Maintenance Building Power Plan D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960400-A-O Ralph M. Parsons Company	WA-E-111, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station OSB, Lab Area Fire Det and Security Plan
D960401-00-O Ralph M. Parsons Company WA-E-112, Rev. 0 6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan. D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Maintenance Building Power Plan MA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960400-B-O Ralph M. Parsons Company	WA-E-111, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection and Security Plan.
D960401-A-O Ralph M. Parsons Company WA-E-112, Rev. A 10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Maintenance Building Power Plan MA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960400-C-O Ralph M. Parsons Company	WA-E-111, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lab Area, Fire Detection, Security Plan.
D960401-B-O Ralph M. Parsons Company WA-E-112, Rev. B 4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960401-00-O Ralph M. Parsons Company	WA-E-112, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Grounding Plan.
	D960401-A-O Ralph M. Parsons Company	WA-E-112, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Chiller Maintenance Building Power Plan
D960401-C-O Ralph M. Parsons Company WA-E-112, Rev. C 5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.	D960401-B-O Ralph M. Parsons Company	WA-E-112, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.
	D960401-C-O Ralph M. Parsons Company	WA-E-112, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Grounding Plan.

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D960402-00-O Ralph M. Parsons Company	WA-E-113, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plan, Maintenance Building, Power and Lighting Plans.
D960402-B-O Ralph M. Parsons Company	WA-E-113, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Power and Lighting Plans.
D960402-C-O Ralph M. Parsons Company	WA-E-113, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Chiller Plant, Maintenance Building, Power and Lighting Plans.
D960403-00-O Ralph M. Parsons Company	WA-E-114, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, Areas 101, 102, 103, 104, Details.
D960403-A-O Ralph M. Parsons Company	WA-E-114, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, Areas 101, 102, 103, 104, Details.
D960404-00-O Ralph M. Parsons Company	WA-E-115, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting, Power, Panel, Schedules.
D960404-A-O Ralph M. Parsons Company	WA-E-115, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting and Power, Panel, Schedules.
D960404-B-O Ralph M. Parsons Company	WA-E-115, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting and Power, Panel, Schedules.
D960405-00-O Ralph M. Parsons Company	WA-E-116, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting, Power, Panel, Schedules.
D960405-A-O Ralph M. Parsons Company	WA-E-116, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting and Power, Panel, Schedules.
D960405-B-O Ralph M. Parsons Company	WA-E-116, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting and Power, Panel, Schedules.
D960406-00-O Ralph M. Parsons Company	WA-E-117, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Mechanical Room, Lighting, Power, Panel, Schedules.
D960406-A-O Ralph M. Parsons Company	WA-E-117, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Mechanical Room, Lighting and Power, Panel, Schedules.
D960406-B-O Ralph M. Parsons Company	WA-E-117, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Mechanical Room, Lighting and Power, Panel, Schedules.
D960407-00-O Ralph M. Parsons Company	WA-E-118, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Lighting, Power, Panel, Schedules.
D960407-A-O Ralph M. Parsons Company	WA-E-118, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960407-B-O Ralph M. Parsons Company	WA-E-118, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960408-00-O Ralph M. Parsons Company	WA-E-119, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960408-A-O Ralph M. Parsons Company	WA-E-119, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960409-00-O Ralph M. Parsons Company	WA-E-120, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960409-A-O Ralph M. Parsons Company	WA-E-120, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, VEAC, Panel, Schedules.
D960410-00-O Ralph M. Parsons Company	WA-E-121, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, CDSAC, Panel, Schedules.
D960410-A-O Ralph M. Parsons Company	WA-E-121, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, LVEA, CDSAC, Panel, Schedules.
D960411-00-O Ralph M. Parsons Company	WA-E-201, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Lighting, Communications, Fire Detection Plan.
D960411-A-O Ralph M. Parsons Company	WA-E-201, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Mid-Station Power Lighting, Fire Det and Communication Plan
D960411-B-O Ralph M. Parsons Company	WA-E-201, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Lighting, Communications, Fire Detection Plan.
D960411-C-O Ralph M. Parsons Company	WA-E-201, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations, Lighting, Communications, Fire Detection Plan.
D960412-00-O Ralph M. Parsons Company	WA-E-202, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Lightning and Grounding Plan.
D960412-A-O Ralph M. Parsons Company	WA-E-202, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Mid-Station, Grounding and Lightning Protection Plan
D960412-B-O Ralph M. Parsons Company	WA-E-202, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Lightning and Grounding Plan.
D960412-C-O Ralph M. Parsons Company	WA-E-202, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "A", Lightning and Grounding Plan.
D960413-00-O Ralph M. Parsons Company	WA-E-203, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Underground Plan.
D960413-01-O Ralph M. Parsons Company	WA-E-203, Rev. 1	8/22/96 Hanford Facility Drawings Issued for Construction - Electrical Mid & End "A" Stations Underground Plan
D960413-A-O Ralph M. Parsons Company	WA-E-203, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Mid-Station Power Plan
D960413-B-O Ralph M. Parsons Company	WA-E-203, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Underground Plan.
D960413-C-O Ralph M. Parsons Company	WA-E-203, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "A", Underground Plan.
D960414-00-O Ralph M. Parsons Company	WA-E-204, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Aboveground Power Plan.
D960414-A-O Ralph M. Parsons Company	WA-E-204, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Aboveground Power Plan.
D960414-B-O Ralph M. Parsons Company	WA-E-204, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "A", Aboveground Power Plan.
D960415-00-O Ralph M. Parsons Company	WA-E-205, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Panel, Schedules.
D960415-A-O Ralph M. Parsons Company	WA-E-205, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Panel, Schedules.
D960415-B-O Ralph M. Parsons Company	WA-E-205, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "A", Panel, Schedules.
D960416-00-O Ralph M. Parsons Company	WA-E-206, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "A" Stations, Panel, Schedules.
D960416-A-O Ralph M. Parsons Company	WA-E-206, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End A Stations, Panel, Schedules.
D960416-B-O Ralph M. Parsons Company	WA-E-206, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "A", Panel, Schedules.
D960417-00-O Ralph M. Parsons Company	WA-E-211, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "B" Stations, Lighting, Communications, Fire Detection Plan.
D960417-A-O Ralph M. Parsons Company	WA-E-211, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End B Stations, Lighting, Communications, Fire Detection Plan.
D960417-B-O Ralph M. Parsons Company	WA-E-211, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "B", Lighting, Commmunications, Fire Detection Plan.
D960418-00-O Ralph M. Parsons Company	WA-E-212, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "B" Stations, Lightning and Grounding Plan.
D960418-A-O Ralph M. Parsons Company	WA-E-212, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End B Stations, Lightning and Grounding Plan.
D960418-B-O Ralph M. Parsons Company	WA-E-212, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "B", Lightning and Grounding Plan.
D960419-00-O Ralph M. Parsons Company	WA-E-213, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "B" Stations, Underground Plan.
D960419-01-O Ralph M. Parsons Company	WA-E-213, Rev.01	8/22/96 Hanford Facility Drawings Issued for Construction - Electrical Mid & End "B" Stations Underground Plan
D960419-A-O Ralph M. Parsons Company	WA-E-213, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End B Stations, Underground Plan.
D960419-B-O Ralph M. Parsons Company	WA-E-213, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "B", Underground Plan.
	WA-E-214, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End "B" Stations, Aboveground Power Plan.
D960420-00-O Ralph M. Parsons Company D960420-A-O Ralph M. Parsons Company	WA-E-214, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End B Stations, Aboveground Power Plan.

Document No Full Name	ContractorDocNo	Doc Dt Full Title
D960420-B-O Ralph M. Parsons Company	WA-E-214, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Mid and End Stations "B", Aboveground Power Plan.
D960421-00-O Ralph M. Parsons Company	WA-E-400, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Underground Sections.
D960421-A-O Ralph M. Parsons Company	WA-E-400, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Underground Sections.
D960422-00-O Ralph M. Parsons Company	WA-E-401, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Details.
D960422-A-O Ralph M. Parsons Company	WA-E-401, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station Details
D960422-B-O Ralph M. Parsons Company	WA-E-401, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Details.
D960423-00-O Ralph M. Parsons Company	WA-E-402, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Grounding Schematic.
D960423-A-O Ralph M. Parsons Company	WA-E-402, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station Grounding Schematic
D960423-B-O Ralph M. Parsons Company	WA-E-402, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, Grounding Schematic.
D960424-00-O Ralph M. Parsons Company	WA-E-404, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Details.
D960424-B-O Ralph M. Parsons Company	WA-E-404, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, 250M Beam Tube Enclosure, Details.
D960425-00-O Ralph M. Parsons Company	WA-E-405, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Grounding Details, Sheet 1.
D960425-A-O Ralph M. Parsons Company	WA-E-405, Rev. A	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Details.
D960426-00-O Ralph M. Parsons Company	WA-E-406, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Grounding Details, Sheet 2.
D960426-A-O Ralph M. Parsons Company	WA-E-406, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Grounding Details
D960426-B-O Ralph M. Parsons Company	WA-E-406, Rev. B	4/19/96Hanford Facility Drawings, Final Design Review 9FDR) - Electrical, Grounding Details, Sheet 1
D960427-00-O Ralph M. Parsons Company	WA-E-407, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Grounding Details, Sheet 3.
D960427-A-O Ralph M. Parsons Company	WA-E-407, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Grounding Details
D960427-B-O Ralph M. Parsons Company	WA-E-407, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Grounding Details, Sheet 2.
D960428-00-O Ralph M. Parsons Company	WA-E-408, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Lightning Protection, Details.
D960428-A-O Ralph M. Parsons Company	WA-E-408, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Lightning Protection Details
D960428-B-O Ralph M. Parsons Company	WA-E-408, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Grounding Details, Sheet 3.
D960429-00-O Ralph M. Parsons Company	WA-E-409, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Sections, Details.
D960429-B-O Ralph M. Parsons Company	WA-E-409, Rev. B	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Lightning Protection, Details.
D960430-00-O Ralph M. Parsons Company	WA-E-501, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960430-A-O Ralph M. Parsons Company	WA-E-501, Rev. A	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Sections, and Details.
D960430-B-O Ralph M. Parsons Company	WA-E-409, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Electrical, Sections, Details.
D960431-00-O Ralph M. Parsons Company	WA-E-502, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960431-A-O Ralph M. Parsons Company	WA-E-502, Rev. A	4/9/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960431-B-O Ralph M. Parsons Company	WA-E-501, Rev. B	5/22/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960432-00-O Ralph M. Parsons Company	WA-E-503, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle, Power Plan.
D960432-A-O Ralph M. Parsons Company	WA-E-503, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960432-B-O Ralph M. Parsons Company	WA-E-502, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Single Line Diagram.
D960433-00-O Ralph M. Parsons Company	WA-E-504, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle, Power Plan.
D960433-A-O Ralph M. Parsons Company	WA-E-504, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle and Power Plan.
D960433-B-O Ralph M. Parsons Company	WA-E-503, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle and Power Plan.
D960434-00-O Ralph M. Parsons Company	WA-E-505, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Lighting Plan.
D960434-A-O Ralph M. Parsons Company	WA-E-505, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle and Power Plan.
D960434-B-O Ralph M. Parsons Company	WA-E-504, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Receptacle and Power Plan.
D960435-00-O Ralph M. Parsons Company	WA-E-506, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Grounding Plan.
D960435-A-O Ralph M. Parsons Company	WA-E-506, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Lighting Plan.
D960435-B-O Ralph M. Parsons Company	WA-E-505, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Lighting Plan.
D960436-00-E Craig Conley		6/13/96 Hanford Facility Drawings Issued for Construction - BSC Mock-Up.
D960436-00-O Ralph M. Parsons Company	WA-E-507, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Power and Lighting, Parking and Observation Plan.
D960436-A-O Ralph M. Parsons Company	WA-E-507, Rev. A	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Grounding Plan.
D960436-B-O Ralph M. Parsons Company	WA-E-506, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, LVEA, Grounding Plan.
D960437-00-O Ralph M. Parsons Company	WA-E-508, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Panel, Schedules.
D960437-A-O Ralph M. Parsons Company	WA-E-508, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Power & Lighting, Parking & Observation Plan.
D960437-B-O Ralph M. Parsons Company	WA-E-507, Rev. B	5/22/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Power and Lighting, Parking and Observation Plan.
D960438-00-O Ralph M. Parsons Company	WA-E-509, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Panel Schedules.
D960438-B-O Ralph M. Parsons Company	WA-E-509, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Plumbing, Symbols & Abbreviations, Fixtures, Schedules & General Notes.
D960438-C-O Ralph M. Parsons Company	WA-P-001, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Plumbing, Symbols, Abbreviations, Fixtures, Schedules, General Notes.
D960439-00-O Ralph M. Parsons Company	WA-P-001, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Plumbing, Symbols, Abbreviations, Fixtures, Schedules, General Notes.
D960439-A-O Ralph M. Parsons Company	WA-P-001, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Piping, Symbols and Abbreviations
D960439-B-O Ralph M. Parsons Company	WA-P-001, Rev. B	4/19/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner, Mid & End Stations, I/O Summary.
D960440-00-O Ralph M. Parsons Company	WA-P-002, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner, Mid and End Stations, I/O Summary.
D960440-01-O Ralph M. Parsons Company	WA-P-112, Rev. 1	2/28/97 Hanford Facility Drawings Issued for Construction, REVISION 1 - Plumbing, Corner Station, OSB Floor Plan
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D960440-A-O	Ralph M. Parsons Company	WA-P-002, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, OSB Floor Plan.
D960440-B-O	Ralph M. Parsons Company	WA-P-112, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, OSB, Floor Plan.
D960440-C-O	Ralph M. Parsons Company	WA-P-112, Rev. C	5/22/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, OSB, Floor Plan.
D960441-00-O	Ralph M. Parsons Company	WA-P-112, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, OSB, Floor Plan.
D960441-A-O	Ralph M. Parsons Company	WA-P-112, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Piping, Corner Station, OSB Floor Plan
D960441-B-O	Ralph M. Parsons Company	WA-P-112, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, Maintenance Building, Floor Plan & Flow Diagram.
D960441-C-O	Ralph M. Parsons Company	WA-P-113, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, Maintenance Building, Floor Plan, Flow Diagram.
D960442-00-O	Ralph M. Parsons Company	WA-P-113, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, Maintenance Building, Floor Plan, Flow Diagram.
D960442-B-O	Ralph M. Parsons Company	WA-P-113, Rev. B	4/19/96Hanford Facility Drawings, Final Design Review (FDR) - Piping, Corner Station, Riser Diagram.
D960443-00-O	Ralph M. Parsons Company	WA-P-131, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, Riser Diagram.
D960443-01-O	Ralph M. Parsons Company	WA-P-131, Rev. 1	2/28/97/Hanford Facility Drawings Issued for Construction, REVISION 1 - Plumbing, Corner Station, Riser Diagram
D960443-A-O	Ralph M. Parsons Company	WA-P-131, Rev. A	4/19/96Hanford Facility Drawings, Final Design Review (FDR) - Plumbing, Mid & End Stations, Floor Plan.
D960443-C-O	Ralph M. Parsons Company	WA-P-211, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Plumbing, Mid and End Stations, Floor Plan.
D960444-00-O	Ralph M. Parsons Company	WA-P-211, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Plumbing, Mid and End Stations, Floor Plan.
	Ralph M. Parsons Company	WA-P-211, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Plumbing, Mid-Station Floor Plan
	Ralph M. Parsons Company	WA-P-211, Rev. B	4/19/96Hanford Facility Drawings, Final Design Review (FDR) - Piping, Mid & End Stations, Riser Diagram & Schematics
	Ralph M. Parsons Company	WA-P-212, Rev. C	5/22/96Hanford Facility Drawings Issued for Construction - Plumbing, Mid and End Stations, Riser Diagram, Schematics.
	Ralph M. Parsons Company	WA-P-212, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Plumbing, Mid and End Stations, Riser Diagram, Schematics.
	Ralph M. Parsons Company	WA-S-212, Rev. A	4/19/96Hanford Facility Drawings, Final Design Review (FDR) - Plumbing, Mid & End Stations, Riser Diagram and Schematics
	Ralph M. Parsons Company	WA-P-411, Rev. 0	6/24/96Hanford Facility Drawings Issued for Construction - Plumbing, Details.
	Ralph M. Parsons Company	WA-P-411, Rev. A	4/19/96Hanford Facility Drawings, Final Design Review (FDR) - Plumbing, Corner Station, LVEA Floor Plan
	Ralph M. Parsons Company	WA-C-005, Rev. B	4/19/96 Final Design Review Drawings - Civil, Corner Station Plot Plan - Hanford
	Ralph M. Parsons Company	WA-C-007, Rev. B	4/19/96 Final Design Review Drawings - Civil, Corner Station Grading Plan - Hanford
	Ralph M. Parsons Company	WA-C-009, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Sitework Detials
	Ralph M. Parsons Company	WA-C-009, Rev. B	4/19/96Final Design Review Drawings - Civil, Corner Station Utility Plan - Hanford
	Ralph M. Parsons Company	WA-C-010, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Utility Details
	Ralph M. Parsons Company	WA-C-010, Rev. B	4/19/96Final Design Review Drawings - Civil, Corner Station Utility Plan, Enlarged Plans - Hanford
	Ralph M. Parsons Company	WA-A-101, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Corner Station, LVEA Floor Plan
	Ralph M. Parsons Company	WA-A-101, Rev. B	4/19/96Hanford Facility Drawings Issued for Construction - Architectural, Corner Station, LVEA Floor Plan.
	Ralph M. Parsons Company	WA-A-102, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Corner Station, LVEA Partial Floor Plan
	Ralph M. Parsons Company	WA-A-102, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Partial Floor Plan, Sheet 1.
	Ralph M. Parsons Company	WA-A-104, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Corner Station, LVEA Partial Floor Plan
	Ralph M. Parsons Company	WA-A-103, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Partial Floor Plan, Sheet 2.
	Ralph M. Parsons Company	WA-A-104, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA Partial Floor Plan
	Ralph M. Parsons Company	WA-A-104, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Partial Floor Plan, Sheet 3.
-	Ralph M. Parsons Company	WA-A-105, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA Partial Floor Plan
	Ralph M. Parsons Company	WA-A-105, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Partial Floor Plan, Sheet 4.
	Ralph M. Parsons Company	WA-A-110, Rev. A	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, Roof Platform Plan
	Ralph M. Parsons Company	WA-A-121, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA Reflected Ceiling Plan
	Ralph M. Parsons Company	WA-A-121, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Reflected Ceiling Plan.
	Ralph M. Parsons Company	WA-A-131, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA Roof Plan.
	Ralph M. Parsons Company	WA-A-141, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA and OSB Elevations
	Ralph M. Parsons Company	WA-A-141, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Elevations, Sheet 1.
	Ralph M. Parsons Company	WA-A-141, Rev. B	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA and OSB Elevations
	Ralph M. Parsons Company	WA-A-142, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Elevations, Sheet 2.
	Ralph M. Parsons Company	WA-A-151, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA and OSB Sections
	Ralph M. Parsons Company	WA-A-151, Rev. A	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Sections, Sheet 1
	Ralph M. Parsons Company	WA-A-151, Rev. B WA-A-152, Rev. A	10/31/95Hanford Facility Drawings, Preliminary Design Review (PDR) - Architectural, Corner Station, LVEA and OSB Sections
	Ralph M. Parsons Company		4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Sections, Sheet 2
	Ralph M. Parsons Company	WA-A-153, Rev. B	4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Sections, Sneet 2 4/19/96Hanford Facility Final Design Review Drawings - Architectural, Corner Station, LVEA & OSB Sections, Sneet 3
	<u>'</u>	WA-A-153, Rev. B	, , ,
	Ralph M. Parsons Company	WA-S-101, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Foundation Plan 10/24/96 Hanford Facility Drawings - Brailings Position Position Plans - Province
	Ralph M. Parsons Company	WA-S-104, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Air Handling Unit Enclosure - Plans
	Ralph M. Parsons Company	WA-S-104, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, Air Handling Unit, Enclosure Plan
	Ralph M. Parsons Company	WA-S-105, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Air Handling Unit Enclosure, Elevations and Sections
	Ralph M. Parsons Company	WA-S-105, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, Air Handling Unit, Enclosure Elevs & Sects
	Ralph M. Parsons Company	WA-S-106, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Roof Framing Plan
D960468-B-O	Ralph M. Parsons Company	WA-S-106, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Roof Framing Plan

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D960469-A-O	Ralph M. Parsons Company	WA-S-108, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 1
D960469-B-O	Ralph M. Parsons Company	WA-S-108, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 1
D960470-A-O	Ralph M. Parsons Company	WA-S-109, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 2
D960470-B-O	Ralph M. Parsons Company	WA-S-109, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 1
D960471-A-O	Ralph M. Parsons Company	WA-S-404, Rev. A	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Foundation, Schedule & Details
D960472-B-O	Ralph M. Parsons Company	WA-S-109, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 2
D960473-A-O	Ralph M. Parsons Company	WA-S-110, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 3
D960473-B-O	Ralph M. Parsons Company	WA-S-110, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevation, Sheet 3
D960474-A-O	Ralph M. Parsons Company	WA-S-111, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 4
D960474-B-O	Ralph M. Parsons Company	WA-S-111, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 4
D960475-A-O	Ralph M. Parsons Company	WA-S-112, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 5
D960475-B-O	Ralph M. Parsons Company	WA-S-112, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 5
D960476-A-O	Ralph M. Parsons Company	WA-S-113, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 6
D960476-B-O	Ralph M. Parsons Company	WA-S-113, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevation, Sheet 6
D960477-A-O	Ralph M. Parsons Company	WA-S-114, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 7
D960477-B-O	Ralph M. Parsons Company	WA-S-114, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 7
D960478-A-O	Ralph M. Parsons Company	WA-S-115, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 8
D960478-B-O	Ralph M. Parsons Company	WA-S-115, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 8
D960479-A-0	Ralph M. Parsons Company	WA-S-116, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Framing Elevations, Sheet 9
D960479-B-O	Ralph M. Parsons Company	WA-S-116, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Structural, Corner Station, LVEA Framing, Elevations, Sheet 9
D960480-A-O	Ralph M. Parsons Company	WA-H-111, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Corner Station, LVEA Floor Plan
D960480-B-O	Ralph M. Parsons Company	WA-H-111, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - HVAC, Corner Station, LVEA Floor Plan, Sheet 1
D960481-A-O	Ralph M. Parsons Company	WA-H-112, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, Corner Station, LVEA Floor Plan
D960481-B-O	Ralph M. Parsons Company	WA-H-112, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - HVAC, Corner Station, LVEA Floor Plan, Sheet 2
D960482-A-O	Ralph M. Parsons Company	WA-H-117, Rev. A	4/19/96 Hanford Facility Final Design Review Drawings - HVAC, Corner Station, LVEA & OSB Mechanical Room Piping Plan.
D960483-A-O	Ralph M. Parsons Company	WA-H-151, Rev. A	4/19/96 Hanford Facility Final Design Review Drawings - HVAC, Corner Station Sections, Sheet 1
D960484-A-O	Ralph M. Parsons Company	WA-H-152, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station Sections, Sheet 2.
D960485-A-O	Ralph M. Parsons Company	WA-E-005, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Site Distribution, Single Line Diagram
D960485-B-O	Ralph M. Parsons Company	WA-E-005, Rev. B	4/9/96 Hanford Facility Final Design Drawings - Electrical, Overall, Single Line Diagram
D960487-A-O	Ralph M. Parsons Company	WA-E-006, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station, Single Line Diagram
D960487-B-O	Ralph M. Parsons Company	WA-E-006, Rev. B	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, Single Line Diagram
D960488-A-O	Ralph M. Parsons Company	WA-E-100, Rev. A	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, LVEA, Areas 101, 103, 104, Receptacle and Power Plan.
D960489-A-O	Ralph M. Parsons Company	WA-E-101, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station LVEA, Receptacle and Power Plan
D960489-B-O	Ralph M. Parsons Company	WA-E-101, Rev. B	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, LVEA, Areas 102, 105, Receptacle and Power Plan.
D960490-A-O	Ralph M. Parsons Company	WA-E-102, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station LVEA Lighting Plan
D960490-B-O	Ralph M. Parsons Company	WA-E-102, Rev. B	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, LVEA, Lighting Plan
	Ralph M. Parsons Company	WA-E-103, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Corner Station LVEA Ground Plan
D960491-B-O	Ralph M. Parsons Company	WA-E-103, Rev. B	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, Grounding Plan
D960492-A-O	Ralph M. Parsons Company	WA-E-104, Rev A.	4/9/96 Hanford Facility Final Design Review Drawings - Electrical, Corner Station, Power and Lighting, Parking and Observation Plan
D960493-A-O	Ralph M. Parsons Company	WA-E-508, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer Panel Schedules.
D960493-B-O	Ralph M. Parsons Company	WA-E-508, Rev. B	4/9/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Panel Schedules.
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D960494-B-O	Ralph M. Parsons Company	WA-P-111, Rev. B	4/19/96 Hanford Facility Final Design Review Drawings - Plumbing, Corner Station, LVEA Floor Plan
D960499-00-D	Janeen Hazel		5/23/96 LOS Wedge Stop
D960500-00-D	Janeen Hazel		5/23/96 Magnet-to-Standoff Fixture
D960501-00-D	Janeen Hazel		5/23/96 Magnet
D960502-00-D	Janeen Hazel		5/23/96 LOS Front Stiffener
D960503-00-D			5/23/96 LOS Top Plate
D960504-00-D			5/23/96 LOS Leg
D960505-00-D			5/23/96 LOS Bottom Plate
D960506-00-D			5/23/96 LOS Side Stiffener
D960507-00-B			4/29/96 Alternate Guided Support.
D960510-01-B		CBI #0, Rev. 1	6/24/96 LIGO Beam Tube - General Notes - Hanford & Livingston
D960510-03-B		CBI 0, Rev. 3	8/5/96 LIGO Beam Tube - General Notes - Hanford and Livingston
D960510-04-B		CBI #0, Rev. 4	8/23/96 LIGO Beam Tube - General Notes - Hanford & Livingston
D960510-05-B		CBI #0, Rev. 5	9/13/96 LIGO Beam Tube - General Notes - Hanford & Livingston
D960510-06-B	СВІ	CBI #0, Rev. 6	10/2/96 LIGO Beam Tube - General Notes - Hanford & Livingston

D960510-07-B CBI CBI 0, Rev. 7 12/6/96 LIGO Beam Tube - General Notes D960511-01-B CBI CBI #22, Rev. 1 8/23/96 LIGO Beam Tube - Gate Valve Soft Support - Hanford & Livingston	
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D960520-00-V V049-8-214 2/7/96 Main Turbo Cart, QDP80/STPH2000C Combination with Controller and Accessories	
D960520-01-V Process Systems Int'l, Inc. V049-8-214 4/17/96 Main Turbo Cart, QDP80/STPH2000C Combination with Controller and Accessories	
D960521-00-V Process Systems Int'l, Inc. V049-2-001 2/5/96 General Arrangement: Roughing Pump Cart with Digital Gauge Display	
D960522-00-V Process Systems Int'l, Inc. V049-8-215 1/20/96 Auxilary Turbo Pump Cart, EXT70H/MD4 w/ Accessories	
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	Process Systems Int'l, Inc.	V049-3-403, Rev 2	5/12/97 Instrument Electrical Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
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	Process Systems Int'l, Inc.	V049-3-404, Rev 2	5/12/97 Power Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-3-405, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Electrical Conduit Stub-Up Plan, Washington Site, Left End Station
D960595-01-V	Process Systems Int'l, Inc.	V049-3-405, Rev. 1	10/7/96 Electrical Conduit Stub-Up Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
D960595-03-V	Process Systems Int'l, Inc.	V049-3-405, Rev 3	5/12/97 Electrical Conduit Stub-Up Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-3-406, Rev. 0	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Vacuum Cart Interface Plan, Washington Site, Left End Station
D960596-02-V	Process Systems Int'l, Inc.	V049-3-406, Rev 2	5/12/97 Vacuum Cart Interface Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-3-407, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - PNL-400 Wiring Diagram, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-3-407, Rev 2	5/12/97 PNL -400 Wiring Diagram, LIGO Vacuum Equipment, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-3-408, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - CDS Interface Diagram, Washington Site, Left End Station
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D960599-00-V	Process Systems Int'l, Inc.	V049-3-501, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Instrument Plan, Washington Site, Right End Station
D960599-02-V	Process Systems Int'l, Inc.	V049-3-501, Rev 2	5/12/97 Instrument Plan, LIGO Vacuum Equipment, Washington Site, Right End Station
D960600-00-V	Process Systems Int'l, Inc.	V049-3-502, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Cable Tray Plan, Washington Site, Right End Station
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D960602-00-V	Process Systems Int'l, Inc.	V049-3-504, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Power Plan, Washington Site, Right End Station
D960602-02-V	Process Systems Int'l, Inc.	V049-3-504, Rev 2	5/12/97 Power Plan, LIGO Vacuum Equipment, Washington Site, Right End Station
D960603-00-V	Process Systems Int'l, Inc.	V049-3-505, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Electrical Conduit Stub-Up Plan, Washington Site, Right End Station
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D960604-00-V	Process Systems Int'l, Inc.	V049-3-506, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - Vacuum Cart Interface Plan, Washington Site, Right End Station
D960604-02-V	Process Systems Int'l, Inc.	V049-3-506, Rev 2	5/12/97 Vacuum Cart Interface Plan, LIGO Vacuum Equipment, Washington Site, Right End Station
D960605-00-V	Process Systems Int'l, Inc.	V049-3-507, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - PNL-500 Wiring Diagram, Washington Site, Right End Station
D960605-02-V	Process Systems Int'l, Inc.	V049-3-507, Rev 2	5/12/97 PNL - 500 Wiring Diagram, LIGO Vacuum Equipment, Washington Site, Right End Station
D960606-00-V	Process Systems Int'l, Inc.	V049-3-508, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Electrical Drawings - CDS Interface Diagram, Washington Site, Right End Station
D960606-02-V	Process Systems Int'l, Inc.	V049-3-508, Rev 2	5/12/97 CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Right End Station
D960707-02-O	Ralph M. Parsons Company	BT-C-001, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, Drawing Index, Location and Vicinity Maps.
D960708-02-O	Ralph M. Parsons Company	BT-C-002, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil, General Notes, Legend & Abbreviations.
D960709-02-O	Ralph M. Parsons Company	BT-C-003, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Drawing Matrix.
D960710-02-O	Ralph M. Parsons Company	BT-C-004, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Typical Sections And Details.
D960711-02-O	Ralph M. Parsons Company	BT-C-013, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm Plan and Profile Station 28+00 To Station 42+00.
D960712-02-O	Ralph M. Parsons Company	BT-C-015, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm Plan and Profile Station 56+00 To Station 70+00.
D960713-02-O	Ralph M. Parsons Company	BT-C-017, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Plan and Profile Station 84+00 To Station 98+00.
D960714-00-O	Ralph M. Parsons Company	BT-C-018, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Plan and Profile, Station 98+00 To Station 112+00.
D960715-02-O		BT-C-020, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Plan and Profile, Station 126+00 To Station 133+00.
D960716-A-O		BT-C-021, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm Mid-Station Plot Plan.
D960717-A-O	Ralph M. Parsons Company	BT-C-022, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Mid-Station Grading Plan.
D960718-A-O		BT-C-023, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, Mid-Station Utility Plan.
		BT-C-025, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, End-Station Plot Plan.
· · · · · · · · · · · · · · · · · · ·		BT-C-026, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, End-Station Grading Plan.
D960721-A-O		BT-C-027, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Northwest Arm, End-Station Utility Plan.
		BT-C-033, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Plan and Profile, Station 28+00 To Station 42+00.
		BT-C-035, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Plan and Profile, Station 56+00 To Station 70+00.
		BT-C-037, Rev. 02	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Plan and Profile, Station 84+00 To Station 98+00.
		BT-C-038, Rev. 02	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Plan and Profile, Station 98+00 To Station 112+00.
-		BT-C-040, Rev. 2	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Plan and Profile, Station 126+00 To Station 133+00.
D960727-A-O		BT-C-041, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Mid-Station, Plot Plan.
D960728-A-O		BT-C-042, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Mid-Station, Grading Plan.
D960729-A-O		BT-C-043, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, Mid-Station, Utility Plan.
D960730-A-O		BT-C-045, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, End-Station, Plot Plan.
D960731-A-O		BT-C-046, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, End-Station Grading Plan.
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D960732-A-O		BT-C-047, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Southwest Arm, End-Station Utility Plan.
D960733-A-O	Ralph M. Parsons Company	BT-C-051, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Civil Sitework Details.
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D960736-A-O	Ralph M. Parsons Company	BT-S-602, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural Standard, Concrete Details Sheet I.
D960737-A-O	Ralph M. Parsons Company	BT-S-603, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural Standard Concrete Details Sheet 2.
D960738-A-O	Ralph M. Parsons Company	BT-S-604, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural Mid Station "B" & End Station "B" Foundation Plans.
D960739-A-O	Ralph M. Parsons Company	BT-S-605, Rev. A	4/19/96 Hanford Facility Drawings Issued for Construction - Structural Mid & End Stations "B" Air Handling Unit Enclosure Plans.
D960740-A-O	Ralph M. Parsons Company	BT-S-606, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural Mid & End Stations "B" Air Handling Unit Enclosure, Elevations and Sects.
	Ralph M. Parsons Company	BT-S-607, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural Mid and End Stations "B" Foundation Schedule and Details.
	Ralph M. Parsons Company	BT-S-608, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Structural Foundation, Sections & Details.
	Ralph M. Parsons Company	BT-E-601, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Electrical Mid & End Stations "B" Grounding Plan.
	Ralph M. Parsons Company	BT-E-602, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Electrical Mid & End Stations "B" Underground Plan.
	Ralph M. Parsons Company	BT-E-603, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Electrical Grounding Details Sheet I.
	Ralph M. Parsons Company	BT-E-604, Rev. A	4/19/96BTE Sitework & Fabrication, Hanford, WA - Electrical Grounding Details Sheet 2.
	Ralph M. Parsons Company	BT-P-601, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Plumbing, Mid and End Stations "B", Underground Plan.
	Ralph M. Parsons Company	BT-P-602, Rev. A	4/19/96Hanford Facility Drawings Issued for Construction - Plumbing Mid & End Stations "B" Riser Diagram & Schematics.
D960752-00-D			5/23/96Optical Level Leveler
D960753-00-D			5/23/96Wire and Optics Fixture Assembly
D960755-00-D			5/23/96LOS Larger Wire Standoff
D960761-00-D	Janeen Hazel		5/23/96LOS Lifting Fixture
D960762-00-D			5/23/96Kapton Template
D960763-00-D			5/23/96LOS Dummy Mass, 3 Degree Wedge
D960778-A-O	Ralph M. Parsons Company	WA-E-509, Rev. A	5/22/96Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, 3rd Interferometer, Panel, Schedules.
D960779-00-V	Stu Motew	VO49-8-214	5/20/96Main Turbo Cart QDP80/STPH2000C Combination With Controller and Accessories
	Ralph M. Parsons Company	BT-S-101, Rev. 0	10/9/96Hanford Beam Tube Enclosure Issued for Construction Drawings - Structural, General Notes, Abbrevations and Legend
	Ralph M. Parsons Company	BT-S-101, Rev. A	5/28/96Structural, General Notes, Abbreviations & Legend - Hanford.
D960781-00-O	Ralph M. Parsons Company	BT-S-102, Rev. 0	10/9/96Hanford Beam Tube Enclosure Issued for Construction Drawings - Structural, Key Plan of Beam Tube Enclosure and Partial Enlarged Plan
D960781-A-O	Ralph M. Parsons Company	BT-S-102, Rev. A	5/28/96Structural, Key Plan of Beam Tube Enclosure and Partial Enlarged Plan - Hanford.
	Ralph M. Parsons Company	BT-S-102A, Rev. 0	10/9/96Hanford Beam Tube Enclosure Issued for Construction Drawings - Structural, Key Plan of Beam Tube Enclosure and Partial Enlarged Plan
	Ralph M. Parsons Company	BT-S-102A, Rev. A	5/28/96Structural, Key Plan of Beam Tube Enclosure and Partial Enlarged Plan - Hanford.
D960783-00-O	Ralph M. Parsons Company	BT-S-103, Rev. 0	10/9/96 Hanford Beam Tube Enclosure Issued for Construction Drawings - Structural, Beam Tube Enclosure Plans, Sections and Details
D960783-A-O	Ralph M. Parsons Company	BT-S-103, Rev. A	5/28/96 Structural, Beam Tube Enclosure Plans, Sections and Details - Hanford.
D960785-A-D	Craig Conley		9/11/96 Recycling Mirror Substrate
D960785-B-D	Craig Conley		9/8/96 Recycling Mirror Substrate
D960787-A-D	Craig Conley		9/11/96 Input Test Mass Substrate, 4K
D960789-A-D	Craig Conley		9/11/96 Beam Splitter Substrate
D960790-A-D	Craig Conley		9/11/96 Folding Mirror Substrate
D960791-00-D	Garilynn Billingsley		9/4/96 End Test Mass Substrate Drawing, DRAFT
D960791-A-D	Craig Conley		9/11/96 End Test Mass Substrate
D960793-00-E	Craig Conley		6/6/96 Beam Splitter Blank.
D960793-A-D	Craig Conley		6/20/96 Beam Splitter Blank
D960793-B-D	Garilynn Billingsley		2/20/97 Beam Splitter Blank
D960794-00-E	Craig Conley		6/6/96 Core Optic Blank.
D960794-A-D	Craig Conley		6/24/96 Core Optic Blank
D960794-B-D	Garilynn Billingsley		2/20/97 Core Optic Blank
D960795-00-V	Process Systems Int'l, Inc.	V049-8-331	5/31/96 Electrical Schematic: Remote Main Electrical Controller, EDP200/EH2600 Combination with Inlet Gate Valve and Accessories
	Process Systems Int'l, Inc.	V049-8-331	6/13/96 Electrical Schematic: Remote Main Electrical Controller, EDP200/EH2600 Combination with Inlet Gate Valve and Accessories
D960795-02-V	Process Systems Int'l, Inc.	VO49-8-331	7/9/96 Electrical Schematic: Remote Main Electrical Controller EDP 200/EH2600 Combination with Inlet Gate Valve and Accessories
D960796-00-V	Jood o y storiis iiit i, iiit.	V O 43-0-331	
	Process Systems Int'l, Inc.	V049-8-332	5/31/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories
D960796-01-V	, ,		5/31/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories
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D960796-02-V D960797-00-V D960799-00-D D960800-00-D	Process Systems Int'l, Inc. Process Systems Int'l, Inc. Process Systems Int'l, Inc. Process Systems Int'l, Inc. Dennis Coyne	V049-8-332 V049-8-332 VO49-8-332	6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 7/9/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 5/3/96 Edwards Pumping System - Installation Drawing, EDP200 6/14/96 LVEA Integration Layout (Derived from LIGO-D960129-01-E)
D960796-02-V D960797-00-V D960799-00-D D960800-00-D D960803-A-D	Process Systems Int'l, Inc. Dennis Coyne Janeen Hazel	V049-8-332 V049-8-332 VO49-8-332	6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 7/9/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 5/3/96 Edwards Pumping System - Installation Drawing, EDP200 6/14/96 LVEA Integration Layout (Derived from LIGO-D960129-01-E) 5/23/96 Suspension Drawing Package: (1)LOS Assembly Drawings, (2) LOS Suspension Structure Assembly Drawings, (3) LOS Fixtures, (4) SOS Assembly Drawings, and (5) SOS Fixtures
D960796-02-V D960797-00-V D960799-00-D D960800-00-D D960803-A-D	Process Systems Int'l, Inc. Process Systems Int'l, Inc. Process Systems Int'l, Inc. Process Systems Int'l, Inc. Dennis Coyne Janeen Hazel Craig Conley Process Systems Int'l, Inc.	V049-8-332 V049-8-332 VO49-8-332 NCB301090	6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 7/9/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 5/3/96 Edwards Pumping System - Installation Drawing, EDP200 6/14/96 LVEA Integration Layout (Derived from LIGO-D960129-01-E) 5/23/96 Suspension Drawing Package: (1)LOS Assembly Drawings, (2) LOS Suspension Structure Assembly Drawings, (3) LOS Fixtures, (4) SOS Assembly Drawings, and (5) SOS Fixtures 9/11/96 Input Test Mass Substrate, 2K
D960796-02-V D960797-00-V D960799-00-D D960800-00-D D960803-A-D D960805-00-V	Process Systems Int'l, Inc. Dennis Coyne Janeen Hazel Craig Conley Process Systems Int'l, Inc. CBI	V049-8-332 V049-8-332 VO49-8-332 NCB301090 V049-8-141	6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 7/9/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 5/3/96 Edwards Pumping System - Installation Drawing, EDP200 6/14/96 LVEA Integration Layout (Derived from LIGO-D960129-01-E) 5/23/96 Suspension Drawing Package: (1)LOS Assembly Drawings, (2) LOS Suspension Structure Assembly Drawings, (3) LOS Fixtures, (4) SOS Assembly Drawings, and (5) SOS Fixtures 9/11/96 Input Test Mass Substrate, 2K 6/13/96 General Arrangement: Roughing Pump Cart with Digital Gauge Display
D960796-02-V D960797-00-V D960799-00-D D960800-00-D D960803-A-D D960805-00-V D960806-00-B D960807-00-B	Process Systems Int'l, Inc. Dennis Coyne Janeen Hazel Craig Conley Process Systems Int'l, Inc. CBI CBI Ralph M. Parsons Company	V049-8-332 V049-8-332 VO49-8-332 NCB301090 V049-8-141 CBI ER-306, Rev. 0	6/13/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 7/9/96 Electrical Schematic: Local Box for EDP200 Chemical Pump in Combo with EH2600 Booster, Gate Valve, Controller and Accessories 5/3/96 Edwards Pumping System - Installation Drawing, EDP200 6/14/96 LVEA Integration Layout (Derived from LIGO-D960129-01-E) 5/23/96 Suspension Drawing Package: (1)LOS Assembly Drawings, (2) LOS Suspension Structure Assembly Drawings, (3) LOS Fixtures, (4) SOS Assembly Drawings, and (5) SOS Fixtures 9/11/96 Input Test Mass Substrate, 2K 6/13/96 General Arrangement: Roughing Pump Cart with Digital Gauge Display 6/3/96 LIGO Beam Tube - Cleaning Room Equipment, Fluid Catch Basin

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D960810-00-O Ralph M. Parsons Company	RG-C-017, Rev. 3	6/6/96 Rough Grading Southwest Arm, Plan and Profile, Sta 84+00 through 98+00
D960811-00-O Ralph M. Parsons Company	RG-C-028, Rev. 3	6/6/96 Rough Grading, Southwest Arm, Culvert General Arrangements
D960812-A-O Ralph M. Parsons Company	LA-S-601, Rev. A	6/14/96 Structural, Beam Tube Enclosure, General Notes, Abbreviation and Legend.
D960813-A-O Ralph M. Parsons Company	LA-S-602, Rev. A	6/14/96 Structural, Key Plan of Beam Tube Enclosure & Partial Enlarged Plans.
D960814-A-O Ralph M. Parsons Company	LA-S-602A, Rev. A	6/14/96 Structural, Southeast Arm, Beam Tube Enclosure, Partial Enlarged Plans
D960815-A-O Ralph M. Parsons Company	LA-S-603, Rev. A	6/14/96 Structural, Beam Tube Enclosure Plans, Sections & Details
D960816-00-O Ralph M. Parsons Company	LA-G-001, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - General, Cover and Drawing Index, Sheet 1
D960816-01-O Ralph M. Parsons Company	LA-G-001, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - General, Cover and Drawing Index, Sheet 1
D960816-B-O Ralph M. Parsons Company	LA-G-001, Rev. B	6/14/96 Livingston Facility Final Design Package - General, Cover and Drawing, Index Sheet 1
D960816-C-O Ralph M. Parsons Company	LA-G-001, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - General Cover and Index, Sheet 1
D960817-00-O Ralph M. Parsons Company	LA-G-002, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - General, Drawing Index, Sheet 2
D960817-01-O Ralph M. Parsons Company	LA-G-002, Rev. 1	3/21/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - General, Drawing Index, Sheet 2
D960817-B-O Ralph M. Parsons Company	LA-G-002, Rev. B	6/14/96 Livingston Facility Final Design Package - General, Drawing, Index, Sheet 2.
D960817-C-O Ralph M. Parsons Company	LA-G-002, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - General Drawing Index, Sheet 2
D960818-00-O Ralph M. Parsons Company	LA-G-003, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - General, Drawing Index, Sheet 3
D960818-01-O Ralph M. Parsons Company	LA-G-003, Rev. 1	3/21/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - General, Drawing Index, Sheet 3
D960818-02-O Ralph M. Parsons Company	LA-G-003, Rev 2	4/4/97 General, Drawing Index, Sheet 3 - Livingston
D960818-B-O Ralph M. Parsons Company	LA-G-003, Rev. B	6/14/96 Livingston Facility Final Design Package - General, Drawing, Index Sheet 3
D960818-C-O Ralph M. Parsons Company	LA-G-003, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - General Drawing Index, Sheet 3
D960819-00-O Ralph M. Parsons Company	LA-C-001, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Drawing Index, Location & Vicinity Maps
D960819-A-O Ralph M. Parsons Company	LA-C-001, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Drawing, Index, Location and Vicinity Maps.
D960819-B-O Ralph M. Parsons Company	LA-C-001, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Drawing Index, Location and Vicinity Maps
D960820-00-O Ralph M. Parsons Company	LA-C-002, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, General Notes, Legend & Abbreviations
D960820-A-O Ralph M. Parsons Company	LA-C-002, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, General, Notes, Legend and Abbreviations.
D960820-B-O Ralph M. Parsons Company	LA-C-002, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, General Notes, Legend & Abbreviations
D960821-00-O Ralph M. Parsons Company	LA-C-003, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Drawing Matrix
D960821-A-O Ralph M. Parsons Company	LA-C-003, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Drawing, Matrix.
D960821-B-O Ralph M. Parsons Company	LA-C-003, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Drawing Matrix
D960822-00-O Ralph M. Parsons Company	LA-C-004, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Typical Sections and Details
D960822-A-O Ralph M. Parsons Company	LA-C-004, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Typical, Sections and Details.
D960822-B-O Ralph M. Parsons Company	LA-C-004, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Typical Sections and Details
D960823-00-O Ralph M. Parsons Company	LA-C-005, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station, Plot Plan
D960823-01-O Ralph M. Parsons Company	LA-C-005, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Plot Plan
D960823-A-O Ralph M. Parsons Company	LA-C-005, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Plot Plan.
D960823-B-O Ralph M. Parsons Company	LA-C-005, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station, Plot Plan
D960824-00-O Ralph M. Parsons Company	LA-C-006, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Plot Plan, Enlarged Plan
D960824-01-O Ralph M. Parsons Company	LA-C-006, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Plot Plan, Enlarged Plan
D960824-A-O Ralph M. Parsons Company	LA-C-006, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Plot Plan, Enlarged Plan.
D960824-B-O Ralph M. Parsons Company	LA-C-006, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station Plot Plan, Enlarged Plan
D960825-00-O Ralph M. Parsons Company	LA-C-007, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Grading Plan
D960825-01-O Ralph M. Parsons Company	LA-C-007, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Grading Plan
D960825-A-O Ralph M. Parsons Company	LA-C-007, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Grading Plan.
D960825-B-O Ralph M. Parsons Company	LA-C-007, Rev. A	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station Grading Plan
D960826-00-O Ralph M. Parsons Company	LA-C-007, Rev. B	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Grading Plan, Enlarged Plan
D960826-01-O Ralph M. Parsons Company	LA-C-008, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Grading Plan, Enlarged Plan
D960826-A-O Ralph M. Parsons Company	LA-C-008, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Grading Plan, Enlarged Plan.
D960826-B-O Ralph M. Parsons Company	LA-C-008, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station Grading Plan, Enlarged Plan
D960827-00-O Ralph M. Parsons Company	LA-C-009, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Utility Plan
D960827-01-O Ralph M. Parsons Company	LA-C-009, Rev. 0	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Utility Plan
D960827-A-O Ralph M. Parsons Company	LA-C-009, Rev. 1	6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Utility Plan.
D960827-B-O Ralph M. Parsons Company	LA-C-009, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station Utility Plan 11/15/06 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Utility Plan, Enlarged Plan
D960828-00-O Ralph M. Parsons Company D960828-01-O Ralph M. Parsons Company	LA-C-010, Rev. 0 LA-C-010, Rev. 1	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Corner Station Utility Plan, Enlarged Plan 2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Utility Plan, Enlarged Plan
D960828-A-O Ralph M. Parsons Company	LA-C-010, Rev. 1	2/28/9/Livingston Building and infrastructure, issued for Construction Drawings, REVISION 1 - Civil, Corner Station, Utility Plan, Enlarged Plan 6/14/96 Livingston Facility Final Design Package - Civil, Corner Station, Utility Plan, Enlarged Plan.
D960828-B-O Ralph M. Parsons Company	LA-C-010, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Corner Station Utility Plan, Enlarged Plan 11/15/05 integration Building and Infrastructure, Inquired for Construction Provings - Civil, Southwest Arm Plan and Profile, Station 0.00 to Station 14.00
D960829-00-O Ralph M. Parsons Company	LA-C-011, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 0+00 to Station 14+00
D960829-01-O Ralph M. Parsons Company	LA-C-011, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 0+00 to Station 14+00

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D960829-A-O Ralph M. Parsons Company	LA-C-011, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
D960829-B-O Ralph M. Parsons Company	LA-C-011, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 0+00 to Station 14+00
D960830-00-O Ralph M. Parsons Company	LA-C-012, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 14+00 to Station 28+00
D960830-01-O Ralph M. Parsons Company	LA-C-012, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 14+00 to Station 28+00
D960830-A-O Ralph M. Parsons Company	LA-C-012, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 14+00 to Station 28+00.
D960830-B-O Ralph M. Parsons Company	LA-C-012, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 14+00 to Station 28+00
D960831-00-O Ralph M. Parsons Company	LA-C-013, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 28+00 to Station 42+00
D960831-01-O Ralph M. Parsons Company	LA-C-013, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 28+00 to Station 42+00
D960831-A-O Ralph M. Parsons Company	LA-C-013, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
D960831-B-O Ralph M. Parsons Company	LA-C-013, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 28+00 to Station 42+00
D960832-00-O Ralph M. Parsons Company	LA-C-014, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 42+00 to Station 56+00
D960832-01-O Ralph M. Parsons Company	LA-C-014, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 42+00 to Station 56+00
D960832-A-O Ralph M. Parsons Company	LA-C-014, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960832-B-O Ralph M. Parsons Company	LA-C-014, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 42+00 to Station 56+00
D960833-00-O Ralph M. Parsons Company	LA-C-015, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 56+00 to Station 70+00
D960833-01-O Ralph M. Parsons Company	LA-C-015, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 56+00 to Station 70+00
D960833-A-O Ralph M. Parsons Company	LA-C-015. Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D960833-B-O Ralph M. Parsons Company	LA-C-015, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 70+00
D960834-00-O Ralph M. Parsons Company	LA-C-016, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 70+00 to Station 84+00
D960834-01-O Ralph M. Parsons Company	LA-C-016, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 70+00 to Station 84+00
D960834-A-O Ralph M. Parsons Company	LA-C-016, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D960834-B-O Ralph M. Parsons Company	LA-C-016, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 70+00 to Station 84+00
D960835-00-O Ralph M. Parsons Company	LA-C-017, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 84+00 to Station 98+00
D960835-01-O Ralph M. Parsons Company	LA-C-017, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 84+00 to Station 98+00
D960835-A-O Ralph M. Parsons Company	LA-C-017, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D960835-B-O Ralph M. Parsons Company	LA-C-017, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 84+00 to Station 98+00
D960836-00-O Ralph M. Parsons Company	LA-C-018, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 98+00 to Station 112+00
D960836-01-O Ralph M. Parsons Company	LA-C-018, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 98+00 to Station 112+00
D960836-A-O Ralph M. Parsons Company	LA-C-018, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 98+00 to Station 112+00.
D960836-B-O Ralph M. Parsons Company	LA-C-018, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 98+00 to Station 112+00
D960837-00-O Ralph M. Parsons Company	LA-C-019, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 112+00 to Station 126+00
D960837-01-O Ralph M. Parsons Company	LA-C-019	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 112+00 to Station 126+00
D960837-A-O Ralph M. Parsons Company	LA-C-019, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D960837-B-O Ralph M. Parsons Company	LA-C-019, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 112+00 to Station 126+00
D960838-00-O Ralph M. Parsons Company	LA-C-020, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile, Station 126+00 to Station 133+00
D960838-01-O Ralph M. Parsons Company	LA-C-020, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southwest Arm Plan and Profile Station 126+00 to Station 133+00
D960838-A-O Ralph M. Parsons Company	LA-C-020, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D960838-B-O Ralph M. Parsons Company	LA-C-020, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Plan and Profile Station 126+00 to Station 133+00
D960839-00-O Ralph M. Parsons Company	LA-C-021, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Pump Station, Plot Plan
D960839-01-O Ralph M. Parsons Company	LA-C-021	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Pump Station Plot Plan
D960839-A-O Ralph M. Parsons Company	LA-C-021 Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Pump-Station, Plot Plan
D960839-B-O Ralph M. Parsons Company	LA-C-021, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm, Furthern Pump Station, Plot Plan
D960840-00-O Ralph M. Parsons Company	LA-C-021, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Pump Station, Grading Plan
D960840-01-O Ralph M. Parsons Company	LA-C-022, Rev. 1	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Fump Station, Grading Plan
D960840-A-O Ralph M. Parsons Company	LA-C-022, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, Pump-Station, Grading Plan.
D960840-B-O Ralph M. Parsons Company	LA-C-022, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm, Fump Station, Grading Plan
D960841-00-O Ralph M. Parsons Company	LA-C-023, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Pump Station, Utility Plan
D960841-01-O Ralph M. Parsons Company	LA-C-023	2/3/97/Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm Pump Station Utility Plan
D960841-A-O Ralph M. Parsons Company	LA-C-023, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, Pump-Station, Utility Plan.
D960841-B-O Ralph M. Parsons Company	LA-C-023, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm Pump Station, Utility Plan
D960842-00-O Ralph M. Parsons Company	LA-C-025, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm End-Station, Plot Plan
D960842-A-O Ralph M. Parsons Company	LA-C-025, Rev. A	6/14/96Livingston Facility Final Design Package - Civil, Southwest Arm, End-Station, Plot Plan
D960842-B-O Ralph M. Parsons Company	LA-C-025, Rev. B	7/24/96Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm End Station, Plot Plan
D960843-00-O Ralph M. Parsons Company	LA-C-026, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm End-Station, Grading Plan
D960843-A-O Ralph M. Parsons Company	LA-C-026, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, End-Station, Grading Plan.
D960843-B-O Ralph M. Parsons Company	LA-C-026, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm End Station, Grading Plan
D960844-00-O Ralph M. Parsons Company	LA-C-027, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southwest Arm End-Station, Utility Plan
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D960844-A-O Ralph M. Parsons Company	LA-C-027, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southwest Arm, End-Station, Utility Plan.
D960844-B-O Ralph M. Parsons Company	LA-C-027, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southwest Arm End Station, Utility Plan
D960845-00-O Ralph M. Parsons Company	LA-C-031, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 0+00 to Station 14+00
D960845-01-O Ralph M. Parsons Company	LA-C-031, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 0+00 to Station 14+00
D960845-A-O Ralph M. Parsons Company	LA-C-031, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 0+00 to Station 14+00.
D960845-B-O Ralph M. Parsons Company	LA-C-031, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 0+00 to Station 14+00
D960846-00-O Ralph M. Parsons Company	LA-C-032, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 14+00 to Station 28+00
D960846-01-O Ralph M. Parsons Company	LA-C-032, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 14+00 to 28+00
D960846-A-O Ralph M. Parsons Company	LA-C-032, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 14+00 to Station 28+00.
D960846-B-O Ralph M. Parsons Company	LA-C-032, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 14+00 to Station 28+00
D960847-00-O Ralph M. Parsons Company	LA-C-033, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 28+00 to Station 42+00
D960847-01-O Ralph M. Parsons Company	LA-C-033, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 28+00 to Station 42+00
D960847-A-O Ralph M. Parsons Company	LA-C-033, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 28+00 to Station 42+00.
D960847-B-O Ralph M. Parsons Company	LA-C-033, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 28+00 to Station 42+00
D960848-00-O Ralph M. Parsons Company	LA-C-034, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 42+00 to Station 56+00
D960848-01-O Ralph M. Parsons Company	LA-C-034, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 42+00 to 56+00
D960848-A-O Ralph M. Parsons Company	LA-C-034, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 42+00 to Station 56+00.
D960848-B-O Ralph M. Parsons Company	LA-C-034, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 42+00 to Station 56+00
D960849-00-O Ralph M. Parsons Company	LA-C-035, Rev. O	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 56+00 to Station 70+00
D960849-01-O Ralph M. Parsons Company	LA-C-035, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 56+00 to Station 70+00
D960849-A-O Ralph M. Parsons Company	LA-C-035, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 70+00.
D960849-B-O Ralph M. Parsons Company	LA-C-035, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 70+00
D960850-00-O Ralph M. Parsons Company	LA-C-036, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 70+00 to Station 84+00
D960850-01-O Ralph M. Parsons Company	LA-C-036, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 70+00 to Station 84+00
D960850-A-O Ralph M. Parsons Company	LA-C-036, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 70+00 to Station 84+00.
D960850-B-O Ralph M. Parsons Company	LA-C-036, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm Plan and Profile Station 70+00 to Station 84+00
D960851-00-O Ralph M. Parsons Company	LA-C-037, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile, Station 98+00
D960851-01-O Ralph M. Parsons Company	LA-C-037, Rev. 1	2/3/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Civil, Southeast Arm Plan and Profile Station 84+00 to Station 98+00
D960851-A-O Ralph M. Parsons Company	LA-C-037, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, Plan and Profile, Station 98+00.
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D960859-00-O Ralph M. Parsons Company	LA-C-046, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm End-Station, Grading Plan
D960859-A-O Ralph M. Parsons Company	LA-C-046, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, End-Station, Grading Plan.
D960859-B-O Ralph M. Parsons Company	LA-C-046, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm End Station, Grading Plan
D960860-00-O Ralph M. Parsons Company	LA-C-047, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Southeast Arm End-Station, Utility Plan
D960860-A-O Ralph M. Parsons Company	LA-C-047, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Southeast Arm, End-Station, Utility Plan.
D960860-B-O Ralph M. Parsons Company	LA-C-047, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Southeast Arm End Station, Utility Plan
D960861-00-O Ralph M. Parsons Company	LA-C-051, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Sitework Details, Sheet 1
D960861-A-O Ralph M. Parsons Company	LA-C-051, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Sitework Details, Sheet I.
D960861-B-O Ralph M. Parsons Company	LA-C-051, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Sitework Details, Sheet 1
D960862-00-O Ralph M. Parsons Company	LA-C-052, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Sitework Details, Sheet 2
D960862-A-O Ralph M. Parsons Company	LA-C-052, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Sitework Details, Sheet 2.
D960862-B-O Ralph M. Parsons Company	LA-C-052, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Sitework Details, Sheet 2
D960863-00-O Ralph M. Parsons Company	LA-C-053, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Grading Sections and Details, Sheet 1
D960863-A-O Ralph M. Parsons Company	LA-C-053, Rev. A	6/14/96 Livingston Facility Final Design Package - Civil, Grading Sections and Details, Sheet I
D960863-B-O Ralph M. Parsons Company	LA-C-053, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Grading Sections and Details, Sheet 1
D960864-00-O Ralph M. Parsons Company	LA-C-055, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Utility Details
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D960891-00-O Ralph M. Parsons Company LA-A-163, Rev. 0 11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Architectural, Corner Station, Wall Sections, Sheet 3				
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D960892-01-O Ralph M. Parsons Company	LA-A-201, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Architectural, Mid Stations, Plans/Sections/Elevations
D960892-A-O Ralph M. Parsons Company	LA-A-201, Rev. A	6/14/96 Livingston Facility Construction, Bid Set Drawings - Architectural, Mid Stations, Plans, Sections, Elevations.
D960892-B-O Ralph M. Parsons Company	LA-A-201, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Architectural, Mid Stations, Plans/Elevations/Sections
D960892-C-O Ralph M. Parsons Company	LA-A-201, Rev. C	9/12/96 Livingston Facility Construction, Bid Set Drawings - Architectural, Mid-Stations, Plans, Sections, Elevations.
D960893-00-O Ralph M. Parsons Company	LA-A-202, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Architectural, End Stations, Floor Plans
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D960893-D-O Ralph M. Parsons Company	LA-S-202, Rev. D	9/12/96 Livingston Facility Construction, Bid Set Drawings - Structural, Mid-Stations "A" and "B", Roof Framing Plans.
D960894-00-O Ralph M. Parsons Company	LA-A-221, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Architectural, End Stations, Reflected Ceiling Plan and Roof Plan
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D960894-C-O Ralph M. Parsons Company	LA-A-221, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Architectural, End Stations, Reflected Ceiling Plan & Roof Plan
D960895-00-O Ralph M. Parsons Company	LA-A-241, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Architectural, End Stations Building Elevations
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D960895-C-O Ralph M. Parsons Company	LA-A-241, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Architectural, End Stations, Building Elevations
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D960902-C-O Ralph M. Parsons Company	LA-A-425, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Architectural, Roof and Miscellaneous Exterior Details
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D960947-00-O	Ralph M. Parsons Company	LA-S-303, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Structural, End Stations "A" & "B", Air Handling Unit Enclosure, Elevations and Sections
D960947-A-O	Ralph M. Parsons Company	LA-S-303, Rev. A	6/14/96 Livingston Facility Final Design Package - Structural, End Stations "A" and "B", Air Handling Unit, Enclosure, Elevations and Sects.
D960947-B-O	Ralph M. Parsons Company	LA-S-303, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Structural, End Stations, "A" and "B" Air Handling Unit Enclosure Elevations and Sections
D960948-00-O	Ralph M. Parsons Company	LA-S-304, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Structural, End Stations "A", Roof and Crane Girder Framing Plans
D960948-B-O	Ralph M. Parsons Company	LA-S-304, Rev. B	6/14/96 Livingston Facility Final Design Package - Structural, End Station "A", Roof and Crane Girder, Framing Plans.
D960948-C-O	Ralph M. Parsons Company	LA-S-304, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Structural, End Stations, "A" and "B" Crane Girder Framing Plans
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D960952-A-O	Ralph M. Parsons Company	LA-S-308, Rev. A	6/14/96 Livingston Facility Final Design Package - Structural, End Station "B", Roof and Crane Girder, Framing Plans.
D960952-B-O	Ralph M. Parsons Company	LA-S-308, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Structural, End Station, "B" Roof and Crane Girder Framing Plans
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D960985-A-O Ralph M. Parsons Company	LA-H-214, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station "B", Chiller Yard Plan
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D960986-00-O Ralph M. Parsons Company	LA-H-215, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station "A" Piping Plan
D960986-A-O Ralph M. Parsons Company	LA-H-215, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station "A", Piping Plan
D960986-B-O Ralph M. Parsons Company	LA-H-215, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, "A", Piping Plan
D960987-00-O Ralph M. Parsons Company	LA-H-216, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station "B" Piping Plan
D960987-A-O Ralph M. Parsons Company	LA-H-216, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station "B", Piping Plan
D960987-B-O Ralph M. Parsons Company	LA-H-216, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station "B", Piping Plan
D960988-00-O Ralph M. Parsons Company	LA-H-221, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station, Chilled Water & Air Flow Diagrams
D960988-A-O Ralph M. Parsons Company	LA-H-221, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station, Chilled Water & Air Flow Diagrams
D960988-C-O	LA-H-221, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Chilled Water and Air Flow Diagrams
D960988-D-O Ralph M. Parsons Company	LA-H-221, Rev. D	9/12/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Chilled Water & Air Flow Diagrams.
D960989-00-O Ralph M. Parsons Company	LA-H-231, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station, Sequences of Operation & I/O Summary Sheet
D960989-A-O Ralph M. Parsons Company	LA-H-231, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station, Sequences of Operation and I/O Summary Sheet
D960989-B-O Ralph M. Parsons Company	LA-H-231, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Sequences of Operation & I/O Summary Sheet
D960989-C-O Ralph M. Parsons Company	LA-H-231, Rev. C	9/12/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Sequences of Operation & I/O Summary Sheet.
D960990-00-O Ralph M. Parsons Company	LA-H-241, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station, Sections, Sheet 1
D960990-A-O Ralph M. Parsons Company	LA-H-241, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station Sections, Sheet 1
D960990-B-O Ralph M. Parsons Company	LA-H-241, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Sections, Sheet 1
D960990-C-O Ralph M. Parsons Company	LA-H-241, Rev. C	9/12/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Sections, Sheet 1.
D960991-00-O Ralph M. Parsons Company	LA-H-242, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, End Station, Sections, Sheet 2
D960991-A-O Ralph M. Parsons Company	LA-H-242, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, End Station Sections, Sheet 2

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D960991-B-O	Ralph M. Parsons Company	LA-H-242, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, End Station, Sections, Sheet 2
	Ralph M. Parsons Company	LA-H-411, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, Details, Sheet 1
D960992-B-O	Ralph M. Parsons Company	LA-H-411, Rev. B	6/14/96 Livingston Facility Final Design Package - HVAC, Details, Sheet 1
D960992-C-O	Ralph M. Parsons Company	LA-H-411, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, Details, Sheet 1
D960993-00-O	Ralph M. Parsons Company	LA-H-412, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - HVAC, Details, Sheet 2
D960993-A-O	Ralph M. Parsons Company	LA-H-412, Rev. A	6/14/96 Livingston Facility Final Design Package - HVAC, Details, Sheet 2
D960993-B-O	Ralph M. Parsons Company	LA-H-412, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - HVAC, Details, Sheet 2
D960994-00-O	Ralph M. Parsons Company	LA-E-001, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Standard Symbols, Abbreviations & Acronyms
D960994-B-O	Ralph M. Parsons Company	LA-E-001, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Standard Symbols, Abbreviations & Acronyms
D960994-C-O	Ralph M. Parsons Company	LA-E-001, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Standard Symbols, Abbreviations and Acronyms
D960995-00-O	Ralph M. Parsons Company	LA-E-002, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Standard Plan Symbols
D960995-B-O	Ralph M. Parsons Company	LA-E-002, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Standard Plan Symbols
D960995-C-O	Ralph M. Parsons Company	LA-E-002, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Standard Plan Symbols
D960996-00-O	Ralph M. Parsons Company	LA-E-003, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Standard Schematic & Wiring Diagrams Symbols
D960996-B-O	Ralph M. Parsons Company	LA-E-003, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Standard Schematic & Wiring Diagrams Symbols
D960996-C-O	Ralph M. Parsons Company	LA-E-003, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Standard Schematic and Wiring Diagrams Symbols
D960997-00-O	Ralph M. Parsons Company	LA-E-004, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Sandard One and Three Line Diagram Symbols
D960997-B-O	Ralph M. Parsons Company	LA-E-004, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Standard One & Three Line Diagrams Symbols
D960997-C-O	Ralph M. Parsons Company	LA-E-004, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Standard One and Three Line Diagram Symbols
D960998-00-O	Ralph M. Parsons Company	LA-E-005, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Overall Single Line Diagram
D960998-B-O	Ralph M. Parsons Company	LA-E-005, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Overall Single Line Diagram
D960998-C-O	Ralph M. Parsons Company	LA-E-005, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Overall Single Line Diagram
	Ralph M. Parsons Company	LA-E-006, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Single Line Diagram
D960999-B-O	Ralph M. Parsons Company	LA-E-006, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Single Line Diagram
D960999-C-O	Ralph M. Parsons Company	LA-E-006, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Single Line Diagram
	Ralph M. Parsons Company	LA-E-007, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Schedules, Material
D961000-B-O	Ralph M. Parsons Company	LA-E-007, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Schedules Material
D961000-C-O	Ralph M. Parsons Company	LA-E-007, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Schedules, Material
	Ralph M. Parsons Company	LA-E-008, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Typical End Station, Single Line Diagram
	Ralph M. Parsons Company	LA-E-008, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Typical End Station, Single Line Diagram
D961001-A-O	Ralph M. Parsons Company	LA-E-008, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Typical End Station, Single Line Diagram
D961001-B-O	Ralph M. Parsons Company	LA-E-008, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Typical End Station, Single Line Diagram
D961002-00-O	Ralph M. Parsons Company	LA-E-100, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA Areas 101, 103, 104, Receptacle and Power Plan
	Ralph M. Parsons Company Ralph M. Parsons Company	LA-E-100, Rev. 1 LA-E-100, Rev 2	3/21/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, LVEA Areas 101I, 103, 104 Receptacle & Power Plan
	Raiph M. Parsons Company	LA-E-100, Rev. A	4/4/97 Electrical, Corner Station, LVEA Areas 101, 103, 104 Receptacle & Power Plan - Livingston 6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, Areas 101,103, 104, Receptacle & Power Plan
	Ralph M. Parsons Company	LA-E-100, Rev. A	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA Areas 101, 103, 104, Receptacle and Power Plan
	Ralph M. Parsons Company	LA-E-100, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA Areas 102, 105, Receptacle and Power Plan
	Ralph M. Parsons Company	LA-E-101, Rev. 0	3/21/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA Areas 102, 105, Receptacle and Power Plan
	Ralph M. Parsons Company	LA-E-101, Rev 2	4/4/97 Electrical, Corner Station, LVEA Areas 102, 105 Receptacle & Power Plan - Livingston
D961003-B-O	Ralph M. Parsons Company	LA-E-101, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, Areas 102, 105, Receptacle & Power Plan
D961003-C-O	Ralph M. Parsons Company	LA-E-101, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA Areas 102, 105, Receptacle and Power Plan
D961004-00-O	Ralph M. Parsons Company	LA-E-102, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA Lighting Plan
D961004-B-O	Ralph M. Parsons Company	LA-E-102, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, Lighting Plan
D961004-C-O	Ralph M. Parsons Company	LA-E-102, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA Lighting Plan
D961005-00-O	Ralph M. Parsons Company	LA-E-103, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Grounding and Lightning Protection Plan
D961005-B-O	Ralph M. Parsons Company	LA-E-103, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Grounding and Lighting Protection Plan
D961005-C-O	Ralph M. Parsons Company	LA-E-103, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Grounding and Lightning Protection Plan
D961006-00-O	Ralph M. Parsons Company	LA-E-104, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Power & Lighting, Parking & Observation Plan
	Ralph M. Parsons Company	LA-E-104, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, Power & Lighting, Parking & Observation Plan
D961006-A-O	, , ,	LA-E-104, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Power & Lighting Parking & Observation Plan
D961006-B-O	Ralph M. Parsons Company	LA-E-104, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Power and Lighting, Parking and Observation Plan
D961007-00-O	Ralph M. Parsons Company	LA-E-105, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Office Area, Receptacle and Power Plan
	Ralph M. Parsons Company	LA-E-105, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, OSB Office Area, Receptacle & Power Plan
D961007-B-O	Ralph M. Parsons Company	LA-E-105, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Office Area Receptacle & Power Plan
D961007-C-O	Ralph M. Parsons Company	LA-E-105, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Office Area, Receptacle and Power Plan
	Ralph M. Parsons Company	LA-E-106, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Lab Area, Receptacle and Power Plan
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		LA-E-106, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Lab Area Receptacle & Power Plan
		LA-E-106, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Lab Area, Receptacle and Power Plan
D961009-00-O Ralph M	' '	LA-E-100, Rev. C	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Office Area, Lighting Plan
D961009-00-O Ralph M		LA-E-107, Rev. 0	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Office Area, Lighting Plan
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		LA-E-107, Rev. B LA-E-107, Rev. C	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Office Area Lighting Plan 7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Office Area Lighting Plan
D961010-00-O Ralph M	' '	LA-E-107, Rev. C	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Lab Area, Lighting Plan
		LA-E-108, Rev. 0	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Lab Area Lighting Plan
		LA-E-108, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Lab Area Lighting Plan
D961011-00-O Ralph M	' '	LA-E-109, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Communications Riser Diagram
D961011-01-O Ralph M		LA-E-109, Rev. 0	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, Communications Riser Diagram
		LA-E-109, Rev. 1	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Communications Riser Diagram
		LA-E-109, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Communications Riser Diagram
D961012-00-O Ralph M	' '	LA-E-110, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Office Area, Fire Detection and Security Plan
D961012-01-O Ralph M		LA-E-110, Rev. 0	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, OSB Office Area, Fire Detection and Communication Plan
		LA-E-110, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Office Area Fire Detection & Security Plan
		LA-E-110, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Office Area Fire Detection and Security Plan
D961013-00-O Ralph M		LA-E-111, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Lab Area, Fire Detection and Security Plan
D961013-01-O Ralph M		LA-E-111, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, OSB Office Area, Fire Detection and Security Plan
		LA-E-111, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Lab Area Fire Detection & Security Plan
		LA-E-111, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Lab Area Fire Detection and Security Plan
D961014-00-O Ralph M		LA-E-111, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Chiller Plant & Maintenance Building Grounding Plan
		LA-E-112, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Chiller Plant & Maintenance Building Grounding Plan
		LA-E-112, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Chiller Plant and Maintenance Building Grounding Plan
D961015-00-O Ralph M		LA-E-112, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Chiller Plant & Maintenance Building Power and Lighting Plans
		LA-E-113, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Chiller Plant & Maintenance Building Power & Lighting Plans
		LA-E-113, Rev. D	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Chiller Plant and Maintenance Building Power and Lighting Plans
D961016-00-O Ralph M	' '	LA-E-114, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details
D961016-01-O Ralph M		LA-E-114, Rev. 1	3/21/96 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details
	· · · · · · · · · · · · · · · · · · ·	LA-E-114, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, Areas 101, 102, 103, 104, Details
•		LA-E-114, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA Areas 101, 102, 103, 104, Details
D961017-00-O Ralph M		LA-E-115, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Lighting and Power Panel Schedules
D961017-01-O Ralph M	' '	LA-E-115, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, OSB Lighting and Power Panel Schedules
		LA-E-115, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Lighting and Power Panel Schedules
		LA-E-115, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Lighting and Power Panel Schedules
D961018-00-O Ralph M	<u>'</u>	LA-E-116, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, OSB Lighting and Power Panel Schedules
D961018-01-0 Ralph M		LA-E-116, Rev 1	2/28/97 Electrical. Corner Station OSB. Lighting and Power Panel Schedules - Livingston
D961018-01-O Ralph M	' '	LA-E-116, Rev. 1	2/28/97/Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, Corner Station, OSB Lighting and Power Panel Schedules
		LA-E-116, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, OSB, Lighting and Power Panel Schedules.
		LA-E-116, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, OSB Lighting and Power Panel Schedules.
D961019-00-O Ralph M		LA-E-117, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Mechanical Room Lighting and Power Panel Schedules
		LA-E-117, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Mechanical Room, Lighting and Power, Panel, Schedules.
		LA-E-117, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Mechanical Room Lighting and Power Panel Schedules
D961020-00-O Ralph M		LA-E-118, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
		LA-E-118, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, VEAC Panel Schedules
		LA-E-118, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
D961021-00-O Ralph M	I. Parsons Company	LA-E-119, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
D961021-A-O Ralph M	I. Parsons Company	LA-E-119, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, VEAC Panel Schedules
D961021-B-O Ralph M		LA-E-119, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
D961022-00-O Ralph M		LA-E-120, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
D961022-A-O Ralph M		LA-E-120, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, VEAC Panel Schedules
D961022-B-O Ralph M		LA-E-120, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA VEAC Panel Schedules
D961023-00-O Ralph M		LA-E-121, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA CDSAC Panel Schedules
D961023-A-O Ralph M		LA-E-121, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, CDSAC Panel Schedules
D961023-B-O Ralph M	M. Parsons Company	LA-E-121, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA CDSAC Panel Schedules
D961024-00-O Ralph M		LA-E-122, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, LVEA OSB Panel Schedules
D961024-A-O Ralph M		LA-E-122, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, LVEA, OSB, Panel Schedules

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D961024-B-O Ralph M. Parsons Company	LA-E-122, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, LVEA OSB Panel Schedules
D961025-00-O Ralph M. Parsons Company	LA-E-201, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station "A", Lighting, Communications & Fire Detection Plan
D961025-01-O Ralph M. Parsons Company	LA-E-201, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End Station A, Lighting, Communications and Fire Detection Plan
D961025-B-O Ralph M. Parsons Company	LA-E-201, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, End Station A, Lighting, Communications & Fire Detection Plan
D961025-C-O Ralph M. Parsons Company	LA-E-201, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station A Lighting, Communications & Fire Detection Plan
D961026-00-O Ralph M. Parsons Company	LA-E-202, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station "A", Lightning and Grounding Plan
D961026-B-O Ralph M. Parsons Company	LA-E-202, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, End Station A, Lightning & Grounding Plan
D961026-C-O Ralph M. Parsons Company	LA-E-202, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station A, Lighting and Grounding Plan.
D961027-00-O Ralph M. Parsons Company	LA-E-203, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station "A", Underground Plan
D961027-01-O Ralph M. Parsons Company	LA-E-203, Rev. 1	3/17/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End Station "A", Underground Plan
D961027-B-O Ralph M. Parsons Company	LA-E-203, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, End Station A, Underground Plan
D961027-C-O Ralph M. Parsons Company	LA-E-203, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station A, Underground Plan
D961028-00-O Ralph M. Parsons Company	LA-E-204, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station "A", Aboveground Power Plan
D961028-01-O Ralph M. Parsons Company	LA-E-204, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End Station A, Aboveground Power Plan
D961028-A-O Ralph M. Parsons Company	LA-E-204, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End Station A, Aboveground Power Plan
D961028-B-O Ralph M. Parsons Company	LA-E-204, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station A, Aboveground Power Plan
D961029-00-O Ralph M. Parsons Company	LA-E-205, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End "A" and "B" Stations, Panel Schedules
D961029-01-O Ralph M. Parsons Company	LA-E-205, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End A and B Stations, Panel Schedules
D961029-A-O Ralph M. Parsons Company	LA-E-205, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End A and B Stations, Panel Schedules
D961029-B-O Ralph M. Parsons Company	LA-E-205, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End A and B Stations, Panel Schedules
D961030-00-O Ralph M. Parsons Company	LA-E-206, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End "A" and "B" Stations, Panel Schedules
D961030-A-O Ralph M. Parsons Company	LA-E-206, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Mid & End A Stations, Panel Schedules
D961030-B-O Ralph M. Parsons Company	LA-E-206, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Mid and End A Stations, Panel Schedules
D961031-00-O Ralph M. Parsons Company	LA-E-207, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Mid Station A, Grounding and Underground Plan
D961031-A-O Ralph M. Parsons Company	LA-E-207, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Mid Station A, Grounding & Underground Plan
D961031-B-O Ralph M. Parsons Company	LA-E-207, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Mid Station A, Ground and Underground Plan
D961032-00-O Ralph M. Parsons Company	LA-E-211, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station B, Lighting, Communications & Fire Detection Plan
D961032-01-O Ralph M. Parsons Company	LA-E-211, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End Station B, Lighting, Communications and Fire Detection Plan
D961032-A-O Ralph M. Parsons Company	LA-E-211, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End Station, B Lightning, Communications, Fire Detection Plan.
D961032-B-O Ralph M. Parsons Company	LA-E-211, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station B, Lighting, Communications and Fire Detection Plan
D961033-00-O Ralph M. Parsons Company	LA-E-212, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station B, Lightning and Grounding Plan
D961033-A-O Ralph M. Parsons Company	LA-E-212, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End Station, B Lightning, Grounding Plan.
D961033-B-O Ralph M. Parsons Company	LA-E-212, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station B, Lightning and Grounding Plan
D961034-00-O Ralph M. Parsons Company	LA-E-213, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station B, Underground Plan
D961034-01-O Ralph M. Parsons Company	LA-E-213, Rev. 1	3/17/96 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, end Station "B", Underground Plan
D961034-A-O Ralph M. Parsons Company	LA-E-213, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End Station B, Underground Plan
D961034-B-O Ralph M. Parsons Company	LA-E-213, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station B, Underground Plan
D961035-00-O Ralph M. Parsons Company	LA-E-214, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, End Station B, Aboveground Power Plan
D961035-01-O Ralph M. Parsons Company	LA-E-214, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Electrical, End Station B, Aboveground Power Plan
D961035-A-O Ralph M. Parsons Company	LA-E-214, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, End Station B, Aboveground Power Plan.
D961035-B-O Ralph M. Parsons Company	LA-E-214, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, End Station B, Aboveground Power Plan
D961036-00-O Ralph M. Parsons Company	LA-E-217, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Mid Station B, Grounding and Underground Plan
D961036-A-O Ralph M. Parsons Company	LA-E-217, Rev. 0	6/14/96 Livingston Facility Final Design Package - Electrical, Mid Station B, Grounding, Underground Plan.
D961036-B-O Ralph M. Parsons Company	LA-E-217, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Mid Station B, Grounding and Underground Plan
D961037-00-O Ralph M. Parsons Company	LA-E-400, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Underground Sections
D961037-A-O Ralph M. Parsons Company	LA-E-400, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Underground, Sections.
D961037-B-O Ralph M. Parsons Company	LA-E-400, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Underground Sections
D961038-00-O Ralph M. Parsons Company	LA-E-401, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Details
D961038-B-O Ralph M. Parsons Company	LA-E-401, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Details.
D961038-C-O Ralph M. Parsons Company	LA-E-401, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Details
D961039-00-O Ralph M. Parsons Company	LA-E-402, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Corner Station, Grounding Schematic
D961039-B-O Ralph M. Parsons Company	LA-E-402, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Corner Station, Grounding, Schematic.
D961039-C-O Ralph M. Parsons Company	LA-E-402, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Corner Station, Ground Schematic
D961040-00-O Ralph M. Parsons Company	LA-E-404, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Details
D961040-A-O	LA-E-404, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Details.
D961040-B-O Ralph M. Parsons Company	LA-E-404, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical Details
D961041-00-O Ralph M. Parsons Company	LA-E-405, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Grounding Details, Sheet 1
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D961041-A-O Ralph M. Parsons Company	LA-E-405, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Grounding, Details, Sheet I.
D961041-B-O Ralph M. Parsons Company	LA-E-405, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Ground Details, Sheet 1
D961042-00-O Ralph M. Parsons Company	LA-E-406, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Grounding Details, Sheet 2
D961042-B-O Ralph M. Parsons Company	LA-E-406, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Grounding, Details, Sheet 2.
D961042-C-O Ralph M. Parsons Company	LA-E-406, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Ground Details, Sheet 2
D961043-00-O Ralph M. Parsons Company	LA-E-407, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Grounding Details, Sheet 3
D961043-B-O Ralph M. Parsons Company	LA-E-407, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Grounding, Details, Sheet 3.
D961043-C-O Ralph M. Parsons Company	LA-E-407, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Ground Details, Sheet 3
D961044-00-O Ralph M. Parsons Company	LA-E-408, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Lightning Protection Details
D961044-B-O Ralph M. Parsons Company	LA-E-408, Rev. B	6/14/96 Livingston Facility Final Design Package - Electrical, Lightning Protection, Details.
D961044-C-O Ralph M. Parsons Company	LA-E-408, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Lightning Protection Details
D961045-00-O Ralph M. Parsons Company	LA-E-409, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Electrical, Sections and Details
D961045-A-O Ralph M. Parsons Company	LA-E-409, Rev. A	6/14/96 Livingston Facility Final Design Package - Electrical, Sections, Details.
D961045-B-O Ralph M. Parsons Company	LA-E-409, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Electrical, Sections and Details
D961046-00-O Ralph M. Parsons Company	LA-P-001, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Symbols & Abbreviations, Fixtures Schedules & General Notes
D961046-B-O Ralph M. Parsons Company	LA-P-001, Rev. B	6/14/96 Livingston Facility Final Design Package - Plumbing, Symbols, Abbreviations, Fixtures, Schedules, General Notes.
D961046-C-O Ralph M. Parsons Company	LA-P-001, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Symbols and Abbreviations, Fixtures, Schedules and General Notes
D961047-00-O Ralph M. Parsons Company	LA-P-002, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Corner & End Station, I/O Summary
D961047-A-O Ralph M. Parsons Company	LA-P-002, Rev. A	6/14/96 Livingston Facility Final Design Package - Plumbing, Corner and End Stations, I/O Summary.
D961047-B-O Ralph M. Parsons Company	LA-P-002, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Corner and End Station, I/O Summary
D961048-00-O Ralph M. Parsons Company	LA-P-111, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Corner Station, LVEA Floor Plan
D961048-B-O Ralph M. Parsons Company	LA-P-111. Rev. B	6/14/96 Livingston Facility Final Design Package - Plumbing, Corner Station, LVEA, Floor Plan.
D961048-C-O Ralph M. Parsons Company	LA-P-111, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Corner Station, LVEA Floor Plan
D961049-00-O Ralph M. Parsons Company	LA-P-112, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Corner Station, OSB Floor Plan
D961049-01-O Ralph M. Parsons Company	LA-P-112, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Plumbing, Corner Station, OSB Floor Plan
D961049-B-O Ralph M. Parsons Company	LA-P-112, Rev. B	6/14/96 Livingston Facility Final Design Package - Plumbing, Corner Station, OSB, Floor Plan.
D961049-C-O Ralph M. Parsons Company	LA-P-112, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Corner Station, OSB Floor Plan
D961050-00-O Ralph M. Parsons Company	LA-P-113, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Corner Station, Maintenance Building Floor Plan & Flow Diagram
D961050-B-O Ralph M. Parsons Company	LA-P-113, Rev. B	6/14/96 Livingston Facility Final Design Package - Plumbing, Corner Station, Maintenance, Building, Floor Plan, Flow Diagram.
D961050-C-O Ralph M. Parsons Company	LA-P-113, Rev. C	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Corner Station, Maintenance Building Floor Plan and Flow Diagram
D961051-00-O Ralph M. Parsons Company	LA-P-131, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Corner Station, Riser Diagram
D961051-01-O Ralph M. Parsons Company	LA-P-131, Rev. 1	2/28/97 Livingston Building and Infrastructure, Issued for Construction Drawings, REVISION 1 - Plumbing, Corner Station, Riser Diagram
D961051-A-O Ralph M. Parsons Company	LA-P-131, Rev. A	6/14/96 Livingston Facility Final Design Package - Plumbing, Corner Station, Riser Diagram.
D961051-B-O Ralph M. Parsons Company	LA-P-131, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Corner Station, Riser Diagram
D961052-00-O Ralph M. Parsons Company	LA-P-211, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, End Station, Floor Plan
D961052-B-O Ralph M. Parsons Company	LA-P-211, Rev. B	6/14/96 Livingston Facility Final Design Package - Plumbing, End Station, Floor Plan.
D961052-C-O Ralph M. Parsons Company	LA-P-211, Rev. C	7/24/96 Final Design Review, Livingston, LA - Plumbing, End Station, Floor Plan
D961052-D-O Ralph M. Parsons Company	LA-P-211, Rev. D	9/12/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, End Station, Floor Plan.
D961053-00-O Ralph M. Parsons Company	LA-P-212, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, End Station, Riser Diagram and Schematics
D961053-A-O Ralph M. Parsons Company	LA-P-212, Rev. A	6/14/96 Livingston Facility Final Design Package - Plumbing, End Station, Riser Diagram, Schematics.
D961053-B-O Ralph M. Parsons Company	LA-P-212, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, End Station, Riser Diagram and Schematics
D961053-C-O Ralph M. Parsons Company	LA-P-212, Rev. C	9/12/96 Final Design Review, Livingston, LA - Plumbing, End Station, Riser Diagram, Schematics.
D961054-00-O Ralph M. Parsons Company	LA-P-411, Rev. 0	11/15/96Livingston Building and Infrastructure, Issued for Construction Drawings - Plumbing, Details
D961054-A-O Ralph M. Parsons Company	LA-P-411, Rev. 0	6/14/96 Livingston Facility Final Design Package - Plumbing, Details.
D961054-B-O Ralph M. Parsons Company	LA-P-411, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Plumbing, Details
D961060-00-V Process Systems Int'l, Inc.	V049-8-266, Rev. 0	7/1/96 Physical Drawing of the Model CE-1A, A Round Style Air-Cooled Package Chiller Unit
D961061-00-V Process Systems Int'l, Inc.	V049-8-267, Rev. 0	7/1/96 Physical Drawing for the Model CE-3A Packaged Air-Cooled Chiller Unit
D961062-00-V Process Systems Int'l, Inc.	V049-8-301, Rev. 0	7/1/96 Wiring Schematic for the Model, CE-1A, Packaged Air-Cooled Chiller Unit
D961063-00-V Process Systems Int'l, Inc.	V049-8-302, Rev. 0	7/1/96 P & ID For the Model: CE-1A (Round Style) Air-Cooled Packaged Water Chiller Unit
D961064-00-V Process Systems Int'l, Inc.	V049-8-303, Rev. 0	7/1/96 Wiring Schematic for the Model: CE-3A Pakcaged Air-Cooled Chiller Unit
D961065-00-V Process Systems Int'l, Inc.	V049-8-304	7/1/96 Piping & Instrumentation Diagram for the Model: CE-3A, Packaged Air-Cooled Chiller Unit
D961066-00-V Process Systems Int'l, Inc.	V049-3-306, Rev. 0	4/26/96 Vacuum Cart Interface Plan, LIGO Vacuum Equipment - Washington Site, Right Mid Station
D961069-01-V Process Systems Int'l, Inc.	V049-0-001, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping & Instrumentation Diagram, Legend (Station Diagram - Hanford and Louisiana Sites).
D961069-02-V Process Systems Int'l, Inc.	V049-0-001, Rev. 2	10/25/96Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Legend
D961070-01-V Process Systems Int'l, Inc.	V049-0-002, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Beam Splitter Chamber (BSC) All But Corner Vertex Arms.
D961070-02-V Process Systems Int'l, Inc.	V049-0-002, Rev. 2	10/25/96 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Beam Slitter Chamber (BSC), All But Corner Vertex Arms
D961071-01-V Process Systems Int'l, Inc.	V049-0-003, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Beam Splitter Chamber (BSC), Corner Vertex Arms.
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	Process Systems Int'l, Inc.	V049-0-003, Rev 3	2/14/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Beam Splitter Chamber (BSC), Corner Vertex Arms
	Process Systems Int'l, Inc.	V049-0-003, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Horizontal Access Module (HAM).
	Process Systems Int'l, Inc.	V049-0-004, Rev. 1	2/14/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Horizontal Access Module (HAM)
	Process Systems Int'l, Inc.	V049-0-004, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, 112cm and 122cm Gate Valves.
	Process Systems Int'l, Inc.	V049-0-005, Rev. 1	10/25/96Piping & Instrumentation Diagram, LIGO Vacuum Equipment, 112cm & 122cm Gate Valves
	Process Systems Int'l, Inc.	V049-0-005, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, 80K Cryopump.
	Process Systems Int'l, Inc.	V049-0-006, Rev 6	6/9/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, 80K Cryopump
	Process Systems Int'l, Inc.	V049-0-010, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Left End Station.
	Process Systems Int'l, Inc.	V049-0-010, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Left End Station
	Process Systems Int'l, Inc.	V049-0-011, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Left Mid Station.
	Process Systems Int'l, Inc.	V049-0-011, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Left Mid Station
	Process Systems Int'l, Inc.	V049-0-012, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Left Beam Manifold.
	Process Systems Int'l, Inc.	V049-0-012, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Left Beam Manifold
	Process Systems Int'l, Inc.	V049-0-013, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Vertex Section.
	Process Systems Int'l, Inc.	V049-0-013, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Vertex Section
	Process Systems Int'l, Inc.	V049-0-014, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Diagonal Section.
	Process Systems Int'l, Inc.	V049-0-014, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Diagonal Section
	Process Systems Int'l, Inc.	V049-0-015, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Right Beam Manifold.
	Process Systems Int'l, Inc.	V049-0-015, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Right Beam Manifold
	Process Systems Int'l, Inc.	V049-0-016, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Right Mid Station.
	Process Systems Int'l, Inc.	V049-0-016, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Right Mid Station
D961082-01-V	Process Systems Int'l, Inc.	V049-0-017, Rev. 1	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Right End Station.
D961082-05-V	Process Systems Int'l, Inc.	V049-0-017, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Right End Station
D961083-01-V	Process Systems Int'l, Inc.	V049-0-018, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washington Site, Corner Station Mechanical Room.
D961083-03-V	Process Systems Int'l, Inc.	V049-0-018, Rev 3	1/3/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station Mechanical Room
D961084-01-V	Process Systems Int'l, Inc.	V049-0-020, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site, Left End Station.
D961084-05-V	Process Systems Int'l, Inc.	V049-0-020, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Left End Station
D961085-01-V	Process Systems Int'l, Inc.	V049-0-021, Rev. 1	4/26/96 V049-0-021
D961086-01-V	Process Systems Int'l, Inc.	V049-0-022, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site, Left Beam Manifold.
D961086-04-V	Process Systems Int'l, Inc.	V049-0-022, Rev 4	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Left Beam Manifold
D961087-01-V	Process Systems Int'l, Inc.	V049-0-023, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site, Vertex Section.
D961087-04-V	Process Systems Int'l, Inc.	V049-0-023, Rev 4	6/16/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Vertex Section
D961088-01-V	Process Systems Int'l, Inc.	V049-0-024, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site, Right Beam Manifold.
D961088-04-V	Process Systems Int'l, Inc.	V049-0-024, Rev 4	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Right Beam Manifold
	Process Systems Int'l, Inc.	V049-0-025, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site, Right End Station.
D961089-05-V	Process Systems Int'l, Inc.	V049-0-025, Rev 5	6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Right End Station
	Process Systems Int'l, Inc.	V049-0-026, Rev. 1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Louisiana Site,
	Process Systems Int'l, Inc.	V049-0-026, Rev 4	2/14/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Louisiana Site, Corner Station Mechanical Room
-	Process Systems Int'l, Inc.	V049-0-031, Rev. 0	4/24/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping and Instrumentation Diagram, Washing System.
	Process Systems Int'l, Inc.	V049-4-001, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Beam Tube Splitter Chamber (BSC), Lower Shell Weldment/Machining, Upper Shell Weldment/Machining, Roll-Up Details, Stiffener and Miscellaneous Detail
	Process Systems Int'l, Inc.	V049-4-002, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module Assembly (HAM), Roll-Up Details, 84.25 I.D. Access Cover.
	Process Systems Int'l, Inc.	V049-4-002, Rev 4	6/6/97 HAM Assembly, LIGO Vacuum Equipment
	Process Systems Int'l, Inc.	V049-4-002, Rev. P3	4/5/96 Preliminary Design Update for Quotes - Horizontal Access Module Assembly (HAM), LIGO Vacuum Equipment
	Process Systems Int'l, Inc.	V049-4-004, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 80K Cryo Pump, Long General Arrangement.
	Process Systems Int'l, Inc.	V049-4-004, Rev 3	5/19/97 80K Pump General Arrangement - Long-Left, LIGO Vacuum Equipment
	Process Systems Int'l, Inc.	V049-4-005, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 80K Cryo Pump, Short General Arrangement.
	Process Systems Int'l, Inc.	V049-4-005, Rev 3	2/5/97 80K Pump General Arrangement - Short-Right, LIGO Vacuum Equipment
	Process Systems Int'l, Inc.	V049-4-010, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Roughing Pump Cart Arrangement Assembly.
	Process Systems Int'l, Inc.	V049-4-010, Rev 3	4/26/97 Roughing Pump Cart Arrangement Assembly, LIGO Vacuum Equipment
	Process Systems Int'l, Inc.	V049-4-011, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Main Turbo Pump Cart, Arrangement Assembly.
	Process Systems Int'l, Inc.	V049-4-011, Rev 3	4/26/97 Main Turbo Pump Cart Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Paging Report, Valuma V. Machanical Province, Main Turba Ruma Cart Frame Futancian
	Process Systems Int'l, Inc.	V049-4-012, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Main Turbo Pump Cart Frame Extension.
	Process Systems Int'l, Inc.	V049-4-012, Rev 1	11/21/96 Main Tube Pump Cart Frame Extension, LIGO Vacuum Equipment 4/36/06 LIGO Vacuum Equipment Final Design Report, Volume V. Mechanical Drawing, Cover Type I Room Splitter Chamber (RSC)
	Process Systems Int'l, Inc.	V049-4-014, Rev. 0	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Cover, Type I Beam Splitter Chamber (BSC).
	Process Systems Int'l, Inc.	V049-4-014, Rev 4 V049-4-017, Rev. 0	4/18/97 60' BSC Cover Type I, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail (Grooved).
	Process Systems Int'l, Inc. Process Systems Int'l, Inc.	V049-4-017, Rev. 0 V049-4-017, Rev 3	11/25/9644 1/4" I.D. Flange Detail (Grooved) @ 44" Gate Valve, LIGO Vacuum Equipment
D301101-03-V	i 100ess Oystems IIII, IIIC.	v 043-4-011, NEV 3	11/20/30477 1/7 1.D. I lange Detail (Olooved) & TT Cate valve, LICO vacuum Equipment

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D961102-00-V Process Systems Int'l, Inc		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Flange Detail (BSC) Grooved.
		1/27/97 60 1/2" I.D. Flange Detail (BSC) Grooved, LIGO Vacuum Equipment
D961102-04-V Process Systems Int'l, Inc D961103-00-V Process Systems Int'l, Inc	,	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 48 1/4" I.D. Flange Detail (Grooved).
D961103-02-V Process Systems Intil, Inc	·	10/8/9648 1/4" I.D. Flange Detail (Grooved), LIGO Vacuum Equipment
		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 72 1/4" I.D. Flange Detail (Grooved).
D961104-00-V Process Systems Int'l, Inc D961104-02-V Process Systems Int'l, Inc		11/8/96/72 1/4" I. D. Flange Detail (Grooved (.25 Thick Shell), LIGO Vacuum Equipment
D961105-00-V Process Systems Intil, Inc	·	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 84 1/4" I.D. Flange Detail HAM (Grooved).
D961105-03-V Process Systems Intil, Inc		10/8/9684 1/4" I.D. Flange Detail, (HAM) Grooved, LIGO Vacuum Equipment
D961105-P5-V Process Systems Int'l, Inc		3/28/96 Preliminary Design, Release for Quote - 84 1/4" I.D. Flange Detail (Grooved), LIGO Vacuum Equipment
D961106-00-V Process Systems Intil, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 104 1/2" I.D. Flange Detail, Beam Splitter Chamber (BSC), Grooved.
D961106-05-V Process Systems Intil, Inc		10/30/96104 1/2" I.D. Flange Detail (BSC) Grooved, LIGO Vacuum Equipment
D961107-00-V Process Systems Intil, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Chamber Support Assembly, Beam Splitter Chamber (BSC).
D961107-04-V Process Systems Intil, Inc		11/20/96 Chamber Support Assembly, BSC, LIGO Vacuum Equipment
D961107-P1-V Process Systems Intil, Inc	·	12/12/95 Preliminary for Quotes - Chamber Support Assembly, BSC, LIGO Vacuum Equipment
D961108-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Beam Splitter Chamber (BSC), Annulus Piping.
D961108-04-V Process Systems Intil, Inc		4/4/97 BSC-Annulus Tubing Assembly, LIGO Vacuum Equipment
D961108-P1-V Process Systems Intil, Inc		3/8/96 Preliminary Design Update - Beam Splitter Chamber (BSC), LIGO Vacuum Equipment, Annulus Piping Arrangement
D961109-00-V Process Systems Intil, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 72 1/4" I.D. Flange Detail (Flat Faced).
D961110-00-V Process Systems Intil, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 72 1/4 1.D. Flange Detail (Flat Faced)
D961110-01-V Process Systems Intil, Inc		7/31/9648 1/4" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961111-00-V Process Systems Intil, Inc	,	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Flange Detail, (HAM) Grooved.
D961111-05-V Process Systems Intil, Inc		11/25/9660 1/2" I.D. Flange Detail (HAM) Grooved w/ Slots, LIGO Vacuum Equipment
D961112-00-V Process Systems Intil, Inc	,	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Flange Detail, (HAM) Flat Faced.
D961112-03-V Process Systems Intil, Inc	·	11/25/9660 1/2" I.D. Flange Detail (HAM) Flat Faced, LIGO Vacuum Equipment
D961112-P1-V Process Systems Intil, Inc		2/20/96 Preliminary - 60 1/2" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961113-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44" Gate Valve Support Frame.
D961113-01-V Process Systems Intil, Inc		11/22/9644" Gate Valve, Support Frame, LIGO Vacuum Equipment
D961114-00-V Process Systems Intil, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 48" Gate Valve Support Frame.
D961114-01-V Process Systems Int'l, Inc	·	11/22/9648" Gate Valve, Support Frame, LIGO Vacuum Equipment
D961115-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - BSC Floor Assembly and Details, Beam Splitter Chamber.
D961115-02-V Process Systems Int'l, Inc		4/4/97 BSC Floor Assembly & Details, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment
D961116-00-V Process Systems Int'l, Inc		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - HAM Bellows, Tie Rod Assembly, Horizontal Access Module.
D961116-04-V Process Systems Int'l, Inc		1/8/97 HAM Bellows Tie Rod Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment
D961117-00-V Process Systems Int'l, Inc		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 104 1/2" I.D. Flange Detail, Beam Splitter Chamber (BSC) Flat Faced.
D961117-02-V Process Systems Int'l, Inc	·	6/20/96 104 1/2" I.D. Flange Detail, (BSC) Flat Faced, LIGO Vacuum Equipment
D961118-00-V Process Systems Int'l, Inc	·	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Pipe Bridge, Corner Station.
D961118-01-V Process Systems Int'l, Inc	·	1/2/97 Pipe Bridge, Corner Station, LIGO Vacuum Equipment
D961119-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - RGA/AUX. Turbo Conn. Assembly, Beam Splitter Chamber (BSC).
D961119-01-V Process Systems Int'l, Inc	,	6/6/97 RGA/Auxillary Turbo Connection Assembly, LIGO Vacuum Equipment
D961120-00-V Process Systems Int'l, Inc		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. X 72 1/4" I.D. Flange Detail, Flat Faced.
D961120-01-V Process Systems Int'l, Inc		7/31/96 45.19" I.D. x 80" O.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961121-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Vessel Support.
D961121-03-V Process Systems Int'l, Inc		11/22/96Horizontal Access Module (HAM), Vessel Support, LIGO Vacuum Equipment
D961121-P1-V Process Systems Int'l, Inc		3/23/96 Preliminary - Horizontal Access Module (HAM), Vessel Support, LIGO Vacuum Equipment
D961122-00-V Process Systems Int'l, Inc		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Metal Bellows, Horizontal Access Chamber (HAM).
D961122-01-V Process Systems Int'l, Inc	;.	4/20/90LIGO Vacuum Equipment Final Design Report - Volume V. Mechanical Drawing - 60-1/2 T.D. Metal Dellows. Horizontal Access Champer (HAM).
	v. V049-4-053, Rev 1	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc	v049-4-053, Rev 1 v049-4-053, Rev. P1	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc	V049-4-053, Rev 1V049-4-053, Rev. P1V049-4-054	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping.
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc	 V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc	 V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 V049-4-042 	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced.
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc	 V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 V049-4-042 V049-4-042, Rev 1 	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc D961125-00-V Process Systems Int'l, Inc	C. V049-4-053, Rev 1 C. V049-4-053, Rev. P1 C. V049-4-054 C. V049-4-054, Rev 5 C. V049-4-042 C. V049-4-042, Rev 1 C. V049-4-055	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced. 7/31/96 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Ring Detail, Reducing
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc D961125-00-V Process Systems Int'l, Inc D961125-02-V Process Systems Int'l, Inc	0. V049-4-053, Rev 1 0. V049-4-053, Rev. P1 0. V049-4-054 0. V049-4-054, Rev 5 0. V049-4-042 0. V049-4-042, Rev 1 0. V049-4-055 0. V049-4-055, Rev 2	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced. 7/31/96 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Ring Detail, Reducing 1/23/97 61.06" I.D. Ring Detail, Reducing Union, LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc D961125-00-V Process Systems Int'l, Inc D961125-02-V Process Systems Int'l, Inc D961126-00-V Process Systems Int'l, Inc	V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 V049-4-042 V049-4-042, Rev 1 V049-4-055 V049-4-055, Rev 2 V049-4-056	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced. 7/31/96 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Ring Detail, Reducing 1/23/97 61.06" I.D. Ring Detail, Reducing Union, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 30 1/2" I.D. X 60 1/2" O.D. Flange Detail (Flat Faced).
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc D961125-00-V Process Systems Int'l, Inc D961126-00-V Process Systems Int'l, Inc D961126-01-V Process Systems Int'l, Inc D961126-01-V Process Systems Int'l, Inc	V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 V049-4-042 V049-4-042, Rev 1 V049-4-055 V049-4-055, Rev 2 V049-4-056 V049-4-056, Rev 1	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced. 7/31/96 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Ring Detail, Reducing 1/23/97 61.06" I.D. Ring Detail, Reducing Union, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 30 1/2" I.D. X 60 1/2" O.D. Flange Detail (Flat Faced). 7/31/96 31.06" I.D. x 68.25" O.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961122-P1-V Process Systems Int'l, Inc D961123-00-V Process Systems Int'l, Inc D961123-05-V Process Systems Int'l, Inc D961124-00-V Process Systems Int'l, Inc D961124-01-V Process Systems Int'l, Inc D961125-00-V Process Systems Int'l, Inc D961125-02-V Process Systems Int'l, Inc D961126-00-V Process Systems Int'l, Inc	V049-4-053, Rev 1 V049-4-053, Rev. P1 V049-4-054 V049-4-054, Rev 5 V049-4-042 V049-4-042, Rev 1 V049-4-055 V049-4-055 V049-4-056 V049-4-056, Rev 1 V049-4-057	6/28/96 HAM-60.5" I.D. Metal Bellows, LIGO Vacuum Equipment 3/28/96 Released for Quotes - 60.5" I.D. Metal Bellows, Horizontal Access Chamber (HAM), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Horizontal Access Module (HAM), Annulus Piping. 4/22/97 HAM Flange/Annulus Tubing Assembly, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Flange Detail, Flat Faced. 7/31/96 44 5/8" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60 1/2" I.D. Ring Detail, Reducing 1/23/97 61.06" I.D. Ring Detail, Reducing Union, LIGO Vacuum Equipment 4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 30 1/2" I.D. X 60 1/2" O.D. Flange Detail (Flat Faced).

Document No Full Name	ContractorDocNo	Doc Dt Full Title
D961128-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing -44 5/8" I.D. X 60 1/2" I.D. Flange Detail (Flat Faced).
D961128-01-V Process Systems		7/31/9645.19" I.D. x 68.25" O.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D961129-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Ship and Test Cover for 60 1/2" I.D. Flange.
D961129-04-V	V049-4-059, Rev 4	3/27/97 Shipping Cover Assembly with Filter Units, LIGO Vacuum Equipment
D961130-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 44 5/8" I.D. Grooved and Slotted Flange.
D961130-04-V Process Systems		11/26/9644.25" I.D. Grooved and Slotted Flange @ 44" Gate Valve, LIGO Vacuum Equipment
D961131-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 6 1/2" I.D. X 72 1/4" O.D. BE-3A Flange (Flat).
D961131-02-V Process Systems	•	4/25/97/61.31" I.D. x 72.25" O.D. BE-3A Flange (Flat), LIGO Vacuum Equipment
D961132-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 48 1/4" I.D. X 68 1/2" O.D. 5.88 Offset Flange (Flat).
D961132-02-V Process Systems	•	4/29/97/48.81" I.D. x 68.5" O.D., 5.88 Offset Flange (Flat), LIGO Vacuum Equipment
D961133-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - PS-1 "T"-Post Support LN2 Piping.
D961134-00-V Process Systems	•	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - PS-2 Pipe Support 4' and 6' Span.
D961134-02-V Process Systems	•	2/22/97/PS-2 Pipe Support, 4' & 6' Span, LIGO Vacuum Equipment
D961135-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - PS-3 "T"-Post Support Mechanical Room Piping.
D961136-00-V Process Systems	•	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - PS-4 Pipe Support, VE Piping.
D961136-02-V Process Systems	•	2/22/97/PS-4/PS-4A Pipe Support, VE Piping, LIGO Vacuum Equipment
D961137-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 75 L/S Ion Pumps.
D961137-03-V Process Systems	,	4/5/97 BSC - 75 L/S Ion Pump Assembly, LIGO Vacuum Equipment
D961138-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 25 L/S Ion Pumps.
D961138-02-V Process Systems	•	6/2/97/75 L/S Ion Pump Support/Manifold, LIGO Vacuum Equipment
D961139-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 48 1/4" Flange Detail (Flat Faced).
D961139-01-V Process Systems	,	7/31/9648.81" I.D. x 68.25" O.D. Flange Detail with OBS Ports (Flat Faced), LIGO Vacuum Equipment
D961140-00-V Process Systems		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-1, 44 5/8" I.D. X 60 1/2" I.D.
D961140-03-V Process Systems	,	5/9/97/Adapter A-1, 44 1/4" I.D. x 72 1/4" I.D., LIGO Vacuum Equipment
D961141-00-V Process Systems		4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-3 48 1/4" I.D. X 60 1/2" I.D.
D961141-03-V Process Systems	,	5/2/97/Adapter A-3, 48.25" I.D. x 60.50" I.D., LIGO Vacuum Equipment
D961142-P2-V Process Systems	, ,	4/5/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - 60" HAM Cover, Grooved Type A-4, Horizontal Access Module.
D961143-00-V Process Systems		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-6 48.25" I.D. X 60.50" I.D.
D961143-03-V Process Systems	•	5/14/97/Adapter A-6, 48.25" I.D. x 60.50" I.D., LIGO Vacuum Equipment
D961144-00-V Process Systems		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-7 60.50" I.D. X 72.25" I.D.
D961145-00-V Process Systems	s Int'l, Inc. V049-4-A11	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - BSC End Cover, Type A11, Beam Splitter Chamber.
D961146-00-V Process Systems	s Int'l, Inc. V049-4-A12	4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-12 48.25" I.D. X 60.50" I.D. FLG.
D961146-03-V Process Systems		5/13/97/Adpter A-12, 48.25" I.D. x 60.50" I.D., LIGO Vacuum Equipment
D961147-00-V Process Systems		4/26/96LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-13 60.50" I.D. X 72.25" I.D.
D961147-03-V Process Systems	s Int'l, Inc. V049-4-A13, Rev 3	5/15/97 Adapter A-13, 60.50" I.D. x 72.25" I.D., LIGO Vacuum Equipment
D961148-00-V Process Systems	s Int'l, Inc. V049-4-A14	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-14 44 5/8" I.D. X 60 1/2" I.D.
D961148-03-V Process Systems	s Int'l, Inc. V049-4-A14, Rev 3	5/13/97 Adapter A-14, 44 5/8" I.D. x 60 1/2" I.D., LIGO Vacuum Equipment
D961149-00-V Process Systems	s Int'l, Inc. V049-4-A15	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Adapter A-15 48.25" I.D. X 60.50" I.D.
D961149-04-V Process Systems	s Int'l, Inc. V049-4-A15, Rev 4	5/15/97 Adapter A-15, 48.25" I.D. x 60.50" I.D., LIGO Vacuum Equipment
D961150-00-V Process Systems	s Int'l, Inc. V049-4-B1	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-1 72.25" I.D.
D961150-04-V Process Systems	s Int'l, Inc. V049-4-B1, Rev 4	5/15/97 Spool B-1, 72.25" I.D., LIGO Vacuum Equipment
D961151-00-V Process Systems	s Int'l, Inc. V049-4-B2A	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-2A 30.50" I.D. X 60.50" I.D., Mode Cleaner Tube.
D961151-04-V Process Systems	s Int'l, Inc. V049-4-B2A, Rev 4	5/19/97 Spool B-2A, 30.50" I.D. x 60.50" I.D., Mode Cleaner Tube, LIGO Vacuum Equipment
D961152-00-V Process Systems	s Int'l, Inc. V049-4-B2B	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-2B 30.50" I.D. X 60.50" I.D., Mode Cleaner Tube.
D961152-05-V Process Systems	s Int'l, Inc. V049-4-B2B, Rev 5	5/19/97 Spool B-2B, 30.50" I.D. x 60.50" I.D., Mode Cleaner Tube, LIGO Vacuum Equipment
D961153-00-V Process Systems	s Int'l, Inc. V049-4-B3A	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-3A 30.50" I.D. X 60.50" I.D., Mode Cleaner Tube.
D961153-04-V Process Systems	s Int'l, Inc. V049-4-B3A, Rev 4	5/19/97 Spool B-3A, 30.50" I.D. x 60.50" I.D., Mode Cleaner Tube, LIGO Vacuum Equipment
D961154-00-V Process Systems	s Int'l, Inc. V049-4-B4	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-4 48.25" I.D.
D961154-04-V Process Systems	s Int'l, Inc. V049-4-B4, Rev 4	5/13/99 Spool B-4, 48.25" I.D., LIGO Vacuum Equipment
D961155-00-V Process Systems	s Int'l, Inc. V049-4-B5A	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-5A 30.50"I.D. X 60.50" I.D., Mode Cleaner Tube.
D961155-04-V Process Systems	s Int'l, Inc. V049-4-B5A, Rev 4	5/20/97 Spool B-5A, 30.50" I.D. x 60.50" I.D., Mode Cleaner Tube, LIGO Vacuum Equipment
D961156-00-V Process Systems	s Int'l, Inc. V049-4-B6	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-6 48.25" I.D.
D961156-06-V Process Systems	s Int'l, Inc. V049-4-B6, Rev 6	5/14/97 Spool B-6, 48.25" I.D., LIGO Vacuum Equipment
D961157-00-V Process Systems	s Int'l, Inc. V049-4-B7	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-7 48.25" I.D.
D961157-05-V Process Systems	s Int'l, Inc. V049-4-B7, Rev 5	5/14/97 Spool B-7, 48.25" I.D., LIGO Vacuum Equipment
D961158-00-V Process Systems	s Int'l, Inc. V049-4-B8	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-8 72.25" I.D.
D961158-03-V Process Systems	s Int'l, Inc. V049-4-B8, Rev 3	5/15/97 Spool B-8, 72.25" I.D., LIGO Vacuum Equipment
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D961159-00-V Process Systems Int'l, Inc.	V049-4-B9	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool B-9 72.25" I.D.
D961159-04-V Dr. Glenn M. Spiczak	V049-4-B9, Rev 4	5/20/97 Spool B-9, 72.25" I.D., LIGO Vacuum Equipment
D961160-00-V Process Systems Int'l, Inc.	V049-4-BE2	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool BE-2 60.50" I.D.
D961160-03-V Process Systems Int'l, Inc.	V049-4-BE2, Rev 3	5/20/97 Spool BE-2, 60.50" I.D., LIGO Vacuum Equipment
D961161-00-V Process Systems Int'l, Inc.	V049-4-BE3	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool BE-3 60.50" I.D. X 60.50" I.D.
D961161-04-V Process Systems Int'l, Inc.	V049-4-BE3, Rev 4	5/20/97 Offset Spool BE-3, 60 1/2" I.D. x 60 1/2" I.D., LIGO Vacuum Equipment
D961162-00-V Process Systems Int'l, Inc.	V049-4-BE3A	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool BE-3A 60.25" I.D. X 60.50" I.D.
D961162-05-V Process Systems Int'l, Inc.	V049-4-BE3A, Rev 5	5/20/97 Offset Spool BE-3A, 60 1/2" I.D. x 60 1/2" I.D., LIGO Vacuum Equipment
D961163-00-V Process Systems Int'l, Inc.	V049-4-BE4	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool BE-4 44 5/8" I.D.
D961163-04-V Process Systems Int'l, Inc.	V049-4-BE4	5/9/97 Spool BE-4, 44 5/8" I.D., LIGO Vacuum Equipment
D961164-00-V Process Systems Int'l, Inc.	V049-4-BE5	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Spool BE-5 72.25" I.D.
D961164-05-V Process Systems Int'l, Inc.	V049-4-BE5, Rev 5	5/20/97 Spool BE-5, 72.25" I.D. x 72.25" I.D., LIGO Vacuum Equipment
D961165-00-V Process Systems Int'l, Inc.	V049-5-001	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement Plan, Corner Station, Washington.
D961165-04-V Process Systems Int'l, Inc.	V049-5-001, Rev 4	6/26/97 Equipment Arrangement Plan, Corner Station, Washington, LIGO Vacuum Equipment
D961167-00-V Process Systems Int'l, Inc.	V049-5-002	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement ISO, Corner Station, Washington.
D961167-01-V Process Systems Int'l, Inc.	V049-5-002, Rev 1	11/21/96 Equipment Arrangement ISO, Corner Station, Washington, LIGO Vacuum Equipment
D961168-00-V Process Systems Int'l, Inc.	V049-5-004	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement, Right Mid Station, Washington.
D961168-04-V Process Systems Int'l, Inc.	V049-5-004, Rev 4	6/26/97 Equipment Arrangement , Right Mid Station, Washington, LIGO Vacuum Equipment
D961169-00-V Process Systems Int'l, Inc.	V049-5-005	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement, Right End Station, Washington.
D961169-04-V Process Systems Int'l, Inc.	v049-5-005, Rev 4	6/26/97 Equipment Arrangement , Right End Station, Washington, LIGO Vacuum Equipment
D961170-00-V Process Systems Int'l, Inc.	V049-5-006	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement, Left Mid Station, Washington.
D961170-04-V Process Systems Int'l, Inc.	V049-5-006, Rev 4	6/26/97 Equipment Arrangement, Left Mid Station, Washington, LIGO Vacuum Equipment
D961171-00-V Process Systems Int'l, Inc.	V049-5-007	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement, Left End Station, Washington.
D961171-04-V Process Systems Int'l, Inc.	V049-5-007, Rev 4	6/26/97 Equipment Arrangement, Left End Station, Washington, LIGO Vacuum Equipment
D961172-00-V Process Systems Int'l, Inc.	V049-5-010	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangement, ISO, Right Mid Station, Washington.
D961172-01-V Process Systems Int'l, Inc.	V049-5-010, Rev 1	11/22/96 Equipment Arrangement ISO, Right Mid Station, Washington, LIGO Vacuum Equipment
D961173-00-V Process Systems Int'l, Inc.	V049-5-011	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Equipment Arrangment, ISO, Right End Station, Washington.
D961173-01-V Process Systems Int'l, Inc.	V049-5-011, Rev 1	11/21/96 Equipment Arrangement ISO, Right End Station, Washington, LIGO Vacuum Equipment
D961174-00-V Process Systems Int'l, Inc.	V049-5-012	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement Plan, Corner Station, Washington.
D961174-04-V Process Systems Int'l, Inc.	V049-5-012, Rev 4	6/6/97 Piping Arrangement Plan, Corner Station, Washington, LIGO Vacuum Equipment
D961175-00-V Process Systems Int'l, Inc.	V049-5-013	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Elevations, Corner Station, Washington.
D961175-03-V Process Systems Int'l, Inc.	V049-6-013, Rev 3	6/6/97 Piping Arrangement Elevations, Corner Station, Washington, LIGO Vacuum Equipment
D961176-00-V Process Systems Int'l, Inc.	V049-5-014	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Sections, Corner Station, Washington.
D961176-04-V Process Systems Int'l, Inc.	V049-6-014, Rev 4	6/6/97 Piping Arrangement Sections, Corner Station, Washington, LIGO Vacuum Equipment
D961177-00-V Process Systems Int'l, Inc.	V049-5-017	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Vacuum/Utility Pipe Arrangement, Lower Plan, Right Mid Station, Washington Site.
D961177-03-V Process Systems Int'l, Inc.	V049-5-017, Rev 3	6/6/97 Vac/Util Pipe Arrangement - Lower Plan, Right Mid Station, Washington Site, LIGO Vacuum Equipment
D961178-00-V Process Systems Int'l, Inc.	V049-5-018	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Elevation (Left), Right Mid Station, Washington Site
D961178-03-V Process Systems Int'l, Inc.	V049-5-018, Rev 3	6/6/97 Piping Arrangement - Elevation (left), Right Mid Station, Washington Site, LIGO Vacuum Equipment
D961179-00-V Process Systems Int'l, Inc.	V049-5-019	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Sections and Details, Right Mid Station, Washington Site.
D961179-03-V Process Systems Int'l, Inc.	V049-5-019, Rev 3	6/6/97 Piping Arrangement - Sections & Details, Right Mid Station, Washington Site, LIGO Vacuum Equipment
D961180-00-V Process Systems Int'l, Inc.	V049-5-021	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangment Plan, Right End Station, Washington Site.
D961180-03-V Process Systems Int'l, Inc.	V049-5-021, Rev 3	6/6/97 Piping Arrangement Plan, Right End Station, Washington Site, LIGO Vacuum Equipment
D961181-00-V Process Systems Int'l, Inc.	V049-5-022	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangment, Elevation, Right End Station, Washington Site.
D961181-03-V Process Systems Int'l, Inc.	V049-5-022, Rev 3	6/6/97 Piping Arrangement, Elevation, Right End Station, Washington Site, LIGO Vacuum Equipment
D961182-00-V Process Systems Int'l, Inc.	V049-5-023	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Sections, Right End Station, Washington Site.
D961182-03-V Process Systems Int'l, Inc.	V049-5-023, Rev 3	6/6/97 Piping Arrangement, Sections, Right End Station, Washington Site, LIGO Vacuum Equipment
D961183-00-V Process Systems Int'l, Inc.	V049-5-026	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Vacuum/Utility Pipe Arrangement - Lower Plan, Left Mid Station, Washington Site, LN2/GN2 Arrangement, Upper Plan (Right), Upper Plan (Left), Piping Arrangement
D961183-03-V Process Systems Int'l, Inc.	V049-5-026, Rev 3	6/6/97 Vac/Util Pipe Arrangement - Lower Plan, Left Mid Station, Washington Site, LIGO Vacuum Equipment
D961184-00-V Process Systems Int'l, Inc.	V049-5-027	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement - Elevation (Right), Left Mid Station, Washington Site, Elevation (Left).
D961184-03-V Process Systems Int'l, Inc.	V094-5-027, Rev 3	6/6/97 Piping Arrangement - Elevation (right), Left Mid Station, Washington Site, LIGO Vacuum Equipment
D961185-00-V Process Systems Int'l, Inc.	V049-5-028	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangements, Sections and Details, Left Mid Station, Washington Site.
D961185-03-V Process Systems Int'l, Inc.	V049-5-028, Rev 3	6/6/97 Piping Arrangement - Sections & Details, Left Mid Station, Washington Site, LIGO Vacuum Equipment
D961186-00-V Process Systems Int'l, Inc.	V049-5-030	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Plan, Left End Station, Washington Site.
D961186-03-V Process Systems Int'l, Inc.	V049-5-030, Rev 3	6/6/97 Piping Arrangement, Plan, Left End Station, Washington Site, LIGO Vacuum Equipment
D961187-00-V Process Systems Int'l, Inc.	V049-5-031	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Elevation, Left End Station, Washington Site.
D961187-03-V Process Systems Int'l, Inc.	V049-5-031, Rev 3	6/6/97 Piping Arrangement, Elevation, Left End Station, Washington Site, LIGO Vacuum Equipment
D961188-00-V Process Systems Int'l, Inc.	V049-5-032	4/26/96 LIGO Vacuum Equipment Final Design Report - Volume V, Mechanical Drawing - Piping Arrangement, Sections, Left End Station, Washington Site.

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D961188-03-V Process Systems Int'l, Inc.	V049-5-032, Rev 3	6/6/97 Piping Arrangement, Sections, Left End Station, Washington Site, LIGO Vacuum Equipment
D961191-00-A Stuart Mufson		5/13/96 References for Alec Habig.
D961191-00-A Gregory Tarle		5/13/96 References for Alec Habig.
D961194-B-B Process Systems Int'l, Inc.	VO49-8-193	1/18/96 Body Weldment (BW/FLG), G44E, G44P (GNB#103225-01)
D961194-C-B Process Systems Int'l, Inc.	103225-01 (GNB)	4/5/96 Body Weldment (BW/FLG), G44E, G44P
D961195-A-B Process Systems Int'l, Inc.	VO49-8-196	2/18/96 Assembly Drawing, G44E, (GNB#103280)
D961195-B-B Process Systems Int'l, Inc.	103280 (GNB)	4/5/96 Assembly Drawing, G44 Electric
D961196-A-B Process Systems Int'l, Inc.	VO49-8-195	2/10/96 Assembly Drawing, G44P, (GNB#103279)
D961196-B-B Process Systems Int'l, Inc.	103279 (GNB)	4/5/96 Assembly Drawing, G44 Pneumatic
D961198-00-O Ralph M. Parsons Company	WA-S-126, Rev. 0	6/26/96 Hanford Facility Drawings Issued for Construction - Structural, Maintenance Building, FDN Plan, Sections.
D961199-00-O Ralph M. Parsons Company	WA-H-152, Rev. 0	7/2/96 Hanford Facility Drawings Issued for Construction - HVAC, Corner Station, Sections, Sheet 2.
D961200-00-O Ralph M. Parsons Company	WA-P-511, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Plumbing, Corner Station, LVEA, Floor Plan.
D961201-00-O Ralph M. Parsons Company	WA-E-122, Rev. 0	6/24/96 Hanford Facility Drawings Issued for Construction - Electrical, Corner Station, OSB, Panel, Schedules.
D961202-00-V Process Systems Int'l, Inc.	V049-8-389	7/9/96 General Arrangement: Roughing Pump Cart With Digital Gauge Display (D-4526-1)
D961204-00-B CBI	CBI ER-306, Rev. 0	6/3/96 LIGO Beam Tube - Cleaning Room Equipment, Tube Support Points
D961205-00-B CBI	CBI ER-309, Rev. 0	6/3/96 LIGO Beam Tube - Cleaning Room Equipment, Tube Support Points
D961206-00-O Ralph M. Parsons Company	LA-C-054, Rev. 0	11/15/96 Livingston Building and Infrastructure, Issued for Construction Drawings - Civil, Grading Sections and Details, Sheet 2
D961206-B-O Ralph M. Parsons Company	LA-C-054, Rev. B	7/24/96 Livingston Facility Construction, Bid Set Drawings - Civil, Grading Sections and Details, Sheet 2
D961235-00-O Ralph M. Parsons Company	LA-S-501, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure General Notes, Abbreviations & Legend
D961235-B-O Ralph M. Parsons Company	LA-S-501, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, General Notes, Abbreviations, Legend.
D961235-C-O Ralph M. Parsons Company	LA-S-501, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, General Notes, Abbreviations, Legend.
D961236-00-O Ralph M. Parsons Company	LA-S-502, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Key Plan of Beam Tube Enclosure & Partial Enlarged Plans
D961236-01-O Ralph M. Parsons Company	LA-S-502, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Key Plan of Beam Tube Enclosure (BTE) & Partial Enlarged Plans
D961236-B-O Ralph M. Parsons Company	LA-S-502, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Key Plan of Beam Tube Enclosure, Partial Enlarged Plans.
D961236-C-O Ralph M. Parsons Company	LA-S-502, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Key Plan of Beam Tube Enclosure, Partial Enlarged Plans.
D961237-00-O Ralph M. Parsons Company	LA-S-502A, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Southeast Arm, Beam Tube Enclosure, Partial Enlarged Plans
D961237-01-O Ralph M. Parsons Company	LA-S-502A, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Southeast Arm, Beam Tube Enclosure (BTE) Partial Enlarged Plans
D961237-A-O Ralph M. Parsons Company	LA-S-502A, Rev. A	6/28/96 Final Design Review, Livingston, LA - Structural, Southeast Arm, Beam Tube Enclosure, Partial Enlarged Plans.
D961237-B-O Ralph M. Parsons Company	LA-S-502A, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Southeast Arm, Beam Tube Enclosure, Partial Enlarged Plans.
D961238-00-O Ralph M. Parsons Company	LA-S-503, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure Plans, Sections & Details
D961238-01-O Ralph M. Parsons Company	LA-S-503, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Beam Tube Enclosure (BTE), Plans, Sections & Details
D961238-B-O Ralph M. Parsons Company	LA-S-503, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Plans, Sections, Details.
D961238-C-O Ralph M. Parsons Company	LA-S-503, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Plans, Sections, Details.
D961239-00-O Ralph M. Parsons Company	LA-S-504, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Key Plan of Beam Tube Enclosure Foundation & Partial Enlarged Plans
D961239-01-O Ralph M. Parsons Company	LA-S-504, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Key Plan of Beam Tube Enclosure (BTE) Foundation & Partial Enlarged Plans
D961239-B-O Ralph M. Parsons Company	LA-S-504, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Key Plan of Beam Tube Enclosure, Foundation, Partial Enlarged Plans.
D961239-C-O Ralph M. Parsons Company	LA-S-504, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Key Plan of Beam Tube Enclosure, Foundation, Partial Enlarged Plans.
D961240-00-O Ralph M. Parsons Company	LA-S-505, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure Sections & Details, Sheet 1
D961240-01-O Ralph M. Parsons Company	LA-S-505, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Beam Tube Enclosure (BTE), Sections & Details, Sheet 1
D961240-B-O Ralph M. Parsons Company	LA-S-505, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Sections, Details, Sheet 1.
D961240-C-O Ralph M. Parsons Company	LA-S-505, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Sections, Details, Sheet 1.
D961241-00-O Ralph M. Parsons Company	LA-S-506, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure Sections & Details, Sheet 2
D961241-01-U Ralph M. Parsons Company	LA-S-506, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Beam Tube Enclosure (BTE), Sections & Details, Sheet 2
D961241-B-O Ralph M. Parsons Company	LA-S-506, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Sections, Details, Sheet 2.
D961241-C-O Ralph M. Parsons Company	LA-S-506, Rev. C	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Sections, Details, Sheet 2.
D961242-00-O Ralph M. Parsons Company	LA-S-507, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure Mid Stations "A" & "B" Foundation Plans
D961242-A-O Ralph M. Parsons Company	LA-S-507, Rev. A	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Mid-Stations "A' & "B", Foundation Plans.
D961242-B-O Ralph M. Parsons Company	LA-S-507, Rev. B	6/28/96 Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Mid Stations "A" and "B", Foundation Plans.
D961243-00-O Ralph M. Parsons Company	LA-E-505, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Electrical, Grounding Details
D961243-A-O Ralph M. Parsons Company	LA-E-505, Rev. A	6/28/96 Final Design Review, Livingston, LA - Electrical, Grounding Details.
D961243-B-O Ralph M. Parsons Company	LA-E-505, Rev. B	6/28/96 Final Design Review, Livingston, LA - Electrical, Grounding Details.
D961244-00-O Ralph M. Parsons Company	LA-E-507, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Electrical, Mid Station A, Grounding & Underground Plan
D961244-A-O Ralph M. Parsons Company	LA-E-507, Rev. A	6/28/96 Final Design Review, Livingston, LA - Electrical, Mid Station "A", Grounding, Underground Plan.
D961244-B-O Ralph M. Parsons Company	LA-E-507, Rev. B	6/28/96 Final Design Review, Livingston, LA - Electrical, Mid Station "A", Grounding and Underground Plan.
D961245-00-O Ralph M. Parsons Company	LA-E-517, Rev. 0	11/15/96Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Electrical, Mid Station B, Grounding & Underground Plan
D961245-A-O Ralph M. Parsons Company	LA-E-517, Rev. A	6/28/96 Final Design Review, Livingston, LA - Electrical, Mid-Station "B", Grounding, Underground Plan.
D961245-B-O Ralph M. Parsons Company	LA-E-517, Rev. B	6/28/96 Final Design Review, Livingston, LA - Electrical, Mid-Station "B", Grounding and Underground Plan.
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D961246-00-C	Jay Heefner		8/15/96 NPRO-PSL Power Stabilization Amplifier
D961246-01-O	Ralph M. Parsons Company	LA-S-507, Rev. 1	2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Beam Tube Enclosure (BTE), Mid Stations "A" & "B" Foundation Plans
D961247-00-C	Jay Heefner		8/15/96 NPRO-PSL Power Monitor Photodiode
D961247-01-C	Jay Heefner		8/23/96NPRO-PSL Power Monitor Photodiode
D961247-02-C	Jay Heefner		2/6/97 NPRO PSL Power Stab. Photodet. PSPD-2
D961248-00-C	Jay Heefner		8/15/96NPRO-PSL Slow Fast Controller
D961249-00-E	Craig Conley		8/19/96WA LIGO Arm Survey Layout
D961250-00-E			10/14/96LIGO Mock-Up Synchrotron Building Layout
	Craig Conley		9/20/96 Detector Rack Locations, LVEA - Hanford
	Process Systems Int'l, Inc.	NGB050210	8/5/96 Electrical Schematic: Turbo Pump Cart QDP80/STP2000C Combination with Controller and Accessories
	Process Systems Int'l, Inc.	NGB050250	8/2/96 Electrical Schematic: Local Box For Turbo Pump Cart QDP80/STP2000C Combination with Controller and Accessories
D961256-00-V	, , ,		8/2/96 Auxiliary Turbo Pump Cart
	Ralph M. Parsons Company	LA-C-501, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Drawing Index Location & Vicinity Maps
	Ralph M. Parsons Company	LA-C-501, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Drawing Index, Location and Vicinity Maps.
	Ralph M. Parsons Company	LA-C-501, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Drawing Index, Location and Vicinity Maps.
	Ralph M. Parsons Company	LA-C-502, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, General Notes, Legend & Abbreviations
	Ralph M. Parsons Company	LA-C-502, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, General Notes, Legend, Abbreviations.
	Ralph M. Parsons Company	LA-C-502, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, General Notes, Legend, Abbreviations.
	Ralph M. Parsons Company	LA-C-503, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Drawing Matrix
	Ralph M. Parsons Company	LA-C-503, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Drawing Matrix.
	Ralph M. Parsons Company	LA-C-503, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Drawing Matrix.
	Ralph M. Parsons Company	LA-C-504, Rev. 0	11/15/96Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Typical Sections and Details
	Ralph M. Parsons Company	LA-C-504, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Typical Sections, Details.
	Ralph M. Parsons Company	LA-C-504, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Typical Section, Details.
	Ralph M. Parsons Company	LA-C-505, Rev. 0	11/15/96Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Corner Station Plan
	Ralph M. Parsons Company	LA-C-505, Rev. 0	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Corner Station Plan
	Ralph M. Parsons Company	LA-C-505, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Corner Station, Plan.
			7/23/96 Final Design Review, Livingston, LA - Civil, Corner Station.
	Ralph M. Parsons Company	LA-C-505, Rev. B	
	Ralph M. Parsons Company	LA-C-511, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 0+00 to Station 14+00
	Ralph M. Parsons Company	LA-C-511	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 0+00 to Station 14+00
	Ralph M. Parsons Company	LA-C-511, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
	Ralph M. Parsons Company	LA-C-511, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 0+00 to Station 14+00.
	Ralph M. Parsons Company	LA-C-512, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 14+00 to Station 28+00
	Ralph M. Parsons Company	LA-C-512	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 14+00 to Station 28+00
	Ralph M. Parsons Company	LA-C-512, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 14+00 to Station 28+00.
	Ralph M. Parsons Company	LA-C-512, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 14+00 to Station 28+00.
	Ralph M. Parsons Company	LA-C-513, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 28+00 to Station 42+00
	Ralph M. Parsons Company	LA-C-513	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 28+00 to Station 42+00
	Ralph M. Parsons Company	LA-C-513, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
	Ralph M. Parsons Company	LA-C-513, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 28+00 to Station 42+00.
	CBI	CBI Dwg. #3	9/5/96 Support Locations for Hanford Modules HX1 and HY1 for LIGO Beam Tube
	Ralph M. Parsons Company	LA-C-514, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 42+00 to Station 56+00
	Ralph M. Parsons Company	LA-C-514	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 42+00 to Station 56+00
	Ralph M. Parsons Company	LA-C-514, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
	Ralph M. Parsons Company	LA-C-514, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 42+00 to Station 56+00.
	Ralph M. Parsons Company	LA-C-515, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 56+00 to Station 70+00
	Ralph M. Parsons Company	LA-C-515	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 56+00 to Station 70+00
	Ralph M. Parsons Company	LA-C-515, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile Station 56+00 to Station 70+00.
	Ralph M. Parsons Company	LA-C-515, Rev. B.	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 56+00 to Station 70+00.
D961270-00-O	Ralph M. Parsons Company	LA-C-516, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 70+00 to Station 84+00
D961270-01-O	Ralph M. Parsons Company	LA-C-516	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 70+00 to Station 84+00
D961270-A-O	Ralph M. Parsons Company	LA-C-516, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D961270-B-O	Ralph M. Parsons Company	LA-C-516, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 70+00 to Station 84+00.
D961271-00-O	Ralph M. Parsons Company	LA-C-517, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 84+00 to Station 98+00
D961271-01-O	Ralph M. Parsons Company	LA-C-517	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 84+00 to Station 98+00
D961271-A-O	Ralph M. Parsons Company	LA-C-517, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
D961271-B-O	Ralph M. Parsons Company	LA-C-517, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 84+00 to Station 98+00.
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Document No Full Name	ContractorDocNo	Doc Dt Full Title
D961272-00-O Ralph M. Parsons Company	LA-C-518, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 98+00 to Station 112+00
D961272-01-O Ralph M. Parsons Company	LA-C-518	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 98+00 to Station 112+00
D961272-A-O Ralph M. Parsons Company	LA-C-518, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 98+00 to Station 112+00.
D961272-B-O Ralph M. Parsons Company	LA-C-518, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 98+00 to Station 112+00.
D961273-00-O Ralph M. Parsons Company	LA-C-519, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 112+00 to Station 126+00
D961273-01-O Ralph M. Parsons Company	LA-C-519	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 112+00 to Station 126+00
D961273-A-O Ralph M. Parsons Company	LA-C-519, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D961273-B-O Ralph M. Parsons Company	LA-C- 519, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 112+00 to Station 126+00.
D961274-00-O Ralph M. Parsons Company	LA-C-520, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 126+00 to Station 133+00
D961274-01-O Ralph M. Parsons Company	LA-C-520	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Plan and Profile Station 126+00 to Station 133+00
D961274-A-O Ralph M. Parsons Company	LA-C-520, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D961274-B-O Ralph M. Parsons Company	LA-C-520, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Plan and Profile, Station 126+00 to Station 133+00.
D961275-00-O Ralph M. Parsons Company	LA-C-521, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm, Pump Station Plot and Utility Plan
D961275-01-O Ralph M. Parsons Company	LA-C-521	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southwest Arm Pump Station Plot and Utility Plan
D961275-A-O Ralph M. Parsons Company	LA-C-521, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Pump Station, Plot and Utility Plan.
D961275-B-O Ralph M. Parsons Company	LA-C-521, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southwest Arm, Pump Station, Plot and Utility Plan.
D961276-00-O Ralph M. Parsons Company	LA-C-531, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 0+00 to Station 14+00
D961276-01-O Ralph M. Parsons Company	LA-C-531	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 0+00 to Station 14+00
D961276-A-O Ralph M. Parsons Company	LA-C-531, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 0+00 to Station 14+00.
D961276-B-O Ralph M. Parsons Company	LA-C-531, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 0+00 to Station 14+00.
D961277-00-O Ralph M. Parsons Company	LA-C-532, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station Station 14+00 to Station 28+00
D961277-01-O Ralph M. Parsons Company	LA-C-532	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 14+00 to Station 28+00
D961277-A-O Ralph M. Parsons Company	LA-C-532, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 14+00 to Station 28+00.
D961277-B-O Ralph M. Parsons Company	LA-C-532, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 14+00 to Station 28+00.
D961278-00-O Ralph M. Parsons Company	LA-C-533, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 28+00 to Station 42+00
D961278-01-O Ralph M. Parsons Company	LA-C-533	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 28+00 to Station 42+00
D961278-A-O Ralph M. Parsons Company	LA-C-533, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 28+00 to Station 42+00.
D961278-B-O Ralph M. Parsons Company	LA-C-533, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 28+00 to Station 42+00.
D961279-00-O Ralph M. Parsons Company	LA-C-534, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 42+00 to Station 56+00
D961279-01-O Ralph M. Parsons Company	LA-C-534	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 42+00 to Station 56+00
D961279-A-O Ralph M. Parsons Company	LA-C-534, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 42+00 to 56+00.
D961279-B-O Ralph M. Parsons Company	LA-C-534, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 42+00 to Station 56+00.
D961280-00-O Ralph M. Parsons Company	LA-C-535, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 56+00 to Station 70+00
D961280-01-O Ralph M. Parsons Company	LA-C-535	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 56+00 to Station 70+00
D961280-A-O Ralph M. Parsons Company	LA-C-535, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 56+00 to Station 70+00.
D961280-B-O Ralph M. Parsons Company	LA-C-535, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 56+00 to Station 70+00.
D961281-00-O Ralph M. Parsons Company	LA-C-536, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 70+00 to Station 84+00
D961281-01-O Ralph M. Parsons Company	LA-C-536	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 70+00 to Station 84+00
D961281-A-O Ralph M. Parsons Company	LA-C-536, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 70+00 to Station 84+00.
D961281-B-O Ralph M. Parsons Company	LA-C-536, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 70+00 to Station 84+00.
D961282-00-O Ralph M. Parsons Company	LA-C-537, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 84+00 to 98+00
D961282-01-O Ralph M. Parsons Company	LA-C-537	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 84+00 to Station 98+00
D961282-A-O Ralph M. Parsons Company	LA-C-537, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 84+00 to Station 98+00.
D961282-B-O Ralph M. Parsons Company	LA-C-537, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 84+00 to Station 98+00.
D961283-00-O Ralph M. Parsons Company	LA-C-538, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 98+00 to Station 112+00
D961283-01-O Ralph M. Parsons Company	LA-C-538	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 98+00 to 112+00
D961283-A-O Ralph M. Parsons Company	LA-C-538, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 98+00 to Station 112+00.
D961283-B-O Ralph M. Parsons Company	LA-C-538, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 98+00 to Station 112+00.
D961284-00-O Ralph M. Parsons Company	LA-C-539, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 112+00 to Station 126+00
D961284-01-O Ralph M. Parsons Company	LA-C-539	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 112+00 to Station 126+00
D961284-A-O Ralph M. Parsons Company	LA-C-539, Rev. A	6/28/96 Final Design Review, Livingston, LA - Southeast Arm, Plan and Profile, Station 112+00 to Station 126+00.
D961284-B-O Ralph M. Parsons Company	LA-C-539, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 112+00 to Station 126+00.
D961285-00-O Ralph M. Parsons Company	LA-C-540, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 126+00 to Station 133+00
D961285-01-O Ralph M. Parsons Company	LA-C-540	2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Plan and Profile Station 126+00 to Station 133+00
D961285-A-O Ralph M. Parsons Company	LA-C-540, Rev. A	6/28/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 126+00 to Station 133+00.
D961285-B-O Ralph M. Parsons Company	LA-C-540, Rev. B	7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Plan and Profile, Station 126+00 to Station 133+00.
D961286-00-O Ralph M. Parsons Company	LA-C-541, Rev. 0	11/15/96 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Pump Station Plot and Utility Plan

Document No Full Name	ContractorDocNo	Doc Dt Full Title
D961286-01-O Ralph M. Parsons Compar		2/3/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Civil, Southeast Arm Pump Station Plot and Utility Plan
D961286-B-O Ralph M. Parsons Compar		7/23/96 Final Design Review, Livingston, LA - Civil, Southeast Arm, Pump Station, Plot and Utility Plan.
D961287-00-C Jay Heefner	y LA-0-341, Nev. B	9/10/9640 Meter BS and RCM Suspension System Diagram
D961288-00-C Jay Heefner		9/10/96BS and RCM Suspension Controller
D961289-00-C Jay Heefner		9/10/96BS and RCM Suspension Satellite Amplifier
D961290-00-C Jay Heefner		9/10/96SUS Coil Driver SIP
D961291-00-C Jay Heefner		9/10/96SUS Filter SIP
D961292-00-C Jay Heefner		9/10/96 SUS Output Matrix SIP
D961294-00-C Jay Heefner		9/10/96SUS Post In SIP
D961295-00-C Jay Heefner		9/10/96SUS LSC SIP
D961296-00-O Ralph M. Parsons Compar	y LA-S-508, Rev. 0	11/15/96Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings - Structural, Beam Tube Enclosure Concrete Slab & Joint Details
D961296-01-O Ralph M. Parsons Compar		2/28/97/Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Beam Tube Enclosure (BTE), Concrete Slab & Joint Details
D961296-A-O Ralph M. Parsons Compar		6/28/96/Final Design Review, Livingston, LA - Structural, Beam Tube Enclosure, Concrete Slab and Joint Details.
D961299-00-B CBI	CBI ER-310, Rev. 0	6/3/96LIGO Beam Tube - Cleaning Room Equipment, Tube Support Points
D961300-00-B CBI	CBI ER-311, Rev. 0	8/12/96LIGO Beam Tube - Tube Section End Covers
D961301-01-B CBI	CBI #103, Rev. 1	8/23/96LIGO Beam Tube - Portable Calibration Module - Hanford & Livingston
D961301-02-B CBI	CBI 13, Rev. 2	10/15/96LIGO Beam Tube - Portable Calibration Module Plan "E"
D961302-01-B CBI	CBI #101, Rev. 1	7/30/96LIGO Beam Tube - Pump Port Hardware Type "B" - Hanford & Livingston
D961302-03-B CBI	CBI 101, Rev. 3	11/21/96LIGO Beam Tube - Pump Port Hardware Type "B" Plan "A"
D961303-01-B CBI	CBI #102, Rev. 1	7/30/96LIGO Beam Tube - Pump Port Hardware Type "H" - Hanford & Livingston
D961304-00-E Craig Conley	051 11 102, 1101. 1	9/27/96 Optical Layout, 40m Recycling
D961304-06-D Dennis Coyne		7/9/97 Optical Layout, 40m Recycling
D961405-00-E Craig Conley		9/30/96LVEA Inter-Rack Signal Conduit Stub-Up Locations
D961407-00-B CBI	CBI #104, Rev. 0	10/2/96LIGO Beam Tube - Pump Port Isolation Valve - Hanford & Livingston
D961408-01-V Process Systems Int'l, Inc.	V049-3-011, Rev. 1	3/15/96 ssued for Construction - Electrical Schematic, Control System, Heater Control Cart, LIGO Bakeout System
D961409-01-V Process Systems Int'l, Inc.	V049-3-012, Rev. 1	3/15/96/Issued for Construction - Electrical Schematic, Heater Power System, Heater Control Cart, LIGO Bakeout System
D961410-01-V Process Systems Int'l, Inc.	V049-3-013, Rev. 1	3/15/96 ssued for Construction - Assembly, Heater Control Cart, LIGO Bakeout System
D961411-01-V Process Systems Incl. Inc.	1VU49-3-U14. Rev. 1	3/13/90issued for Construction - FEC Confiduration, Communication Cabing, EIGO bakeout System
D961411-01-V Process Systems Int'l, Inc. D961413-00-V Process Systems Int'l, Inc.	V049-3-014, Rev. 1 V049-3-017, Rev. 0	3/15/96 ssued for Construction - PLC Configuration, Communication Cabling, LIGO Bakeout System 3/25/96 ssued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart
D961413-00-V Process Systems Int'l, Inc.	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart
D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc.		3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart
D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover
D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover 5/9/97 Core Optic Component (COC) Carrier Cover
D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover
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D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley D961417-A-D Craig Conley D961418-A-D Craig Conley D961419-A-D Craig Conley	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover 5/9/97 Core Optic Component (COC) Carrier Cover 2/19/97 Beam Splitter Optic, Carrier Cover,
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D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley D961417-A-D Craig Conley D961419-A-D Craig Conley D961419-B-D Craig Conley D961420-A-D Craig Conley D961420-B-D Craig Conley D961420-B-D Craig Conley D961421-A-D Craig Conley D961421-A-D Craig Conley D961421-A-D Craig Conley D961421-C-D Craig Conley D961421-C-D Craig Conley	V049-3-017, Rev. 0	3/25/96 Issued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 Issued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover 5/9/97 Core Optic Component (COC) Carrier Cover 2/19/97 Beam Splitter Optic, Carrier Cover, 2/19/97 Core Optic Component (COC) Carrier, Foot Assembly 2/19/97 Core Optic Component (COC) Carrier, Foot Assembly 2/19/97 Core Optic Component (COC) Carrier, Cover Assembly 5/7/97 Core Optic Component (COC) Carrier, Cover Assembly 2/19/97 Beam Splitter Optic (BSO) Carrier, Cover Assembly 5/7/97 Beam Splitter Optic Carrier, Cover Assembly 5/7/97 Beam Splitter Optic (BSO) Carrier, Cover Assembly 2/19/97 Core Optic Component (COC) Carrier, Base Plate 3/24/97 Core Optic Component (COC) Carrier, Base Plate 4/29/97 Core Optic Component (COC) Carrier, Base Plate
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D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley D961417-A-D Craig Conley D961419-A-D Craig Conley D961419-B-D Craig Conley D961420-A-D Craig Conley D961420-B-D Craig Conley D961421-A-D Craig Conley D961421-A-D Craig Conley D961421-A-D Craig Conley D961421-A-D Craig Conley D961421-D-D Craig Conley D961421-D-D Craig Conley D961421-D-D Craig Conley D961421-D-D Craig Conley D961422-A-D Craig Conley	V049-3-017, Rev. 0	3/25/96 ssued for Release - Heater Blanket, Extension Cable, LIGO Bakeout Cart 3/25/96 ssued for Release - Type "J" Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/97 Core Optic Component (COC) Carrier, Carrier Cover 5/9/97 Core Optic Component (COC) Carrier Cover 2/19/97 Beam Splitter Optic, Carrier Cover 2/19/97 Core Optic Component (COC) Carrier, Foot Assembly 2/19/97 Core Optic Component (COC) Carrier, Cover Assembly 2/19/97 Core Optic Component (COC) Carrier, Cover Assembly 5/7/97 Core Optic Component (COC) Carrier, Cover Assembly 5/7/97 Beam Splitter Optic (BSO) Carrier, Cover Assembly 5/7/97 Beam Splitter Optic Carrier, Cover Assembly 5/7/97 Beam Splitter Optic (BSO) Carrier, Cover Assembly 5/7/97 Beam Splitter Optic (COC) Carrier, Cover Assembly 5/7/97 Core Optic Component (COC) Carrier, Base Plate 3/24/97 Core Optic Component (COC) Carrier, Base Plate 5/5/27/97 Core Optic Component (COC) Carrier, Base Plate 5/5/27/97 Core Optic Component (COC) Carrier, Base Plate
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D961413-00-V Process Systems Int'l, Inc. D961414-00-V Process Systems Int'l, Inc. D961416-A-D Craig Conley D961416-B-D Craig Conley D961417-A-D Craig Conley D961419-A-D Craig Conley D961419-B-D Craig Conley D961420-A-D Craig Conley D961420-B-D Craig Conley D961421-B-D Craig Conley D961421-B-D Craig Conley D961421-C-D Craig Conley D961422-A-D Craig Conley D961425-A-D Craig Conley D961426-A-D Craig Conley D961425-C-D Craig Conley D961425-C-D Craig Conley D961426-A-D Craig Conley D961426-A-D Craig Conley D961426-A-D Craig Conley D961426-A-D Craig Conley D961428-A-O Ralph M. Parsons Compar D961430-A-O Ralph M. Parsons Compar	V049-3-017, Rev. 0 V049-3-018, Rev. 0 V049-3-018, Rev. 0	3/25/96[issued for Release - Type 'J' Thermocouple, Extension Cable, LIGO Bakeout Cart 3/25/96[issued for Release - Type 'J' Thermocouple, Extension Cable, LIGO Bakeout Cart 2/19/37[Core Optic Component (COC) Carrier, Carrier Cover 5/5/97[Core Optic Component (COC) Carrier, Cover 2/19/37[Core Optic Component (COC) Carrier, Foot Assembly 2/19/37[Core Optic Component (COC) Carrier, Foot Assembly 2/19/37[Core Optic Component (COC) Carrier, Cover Assembly 5/7/37[Core Optic Component (COC) Carrier, Cover Assembly 2/19/37[Core Optic Component (COC) Carrier, Cover Assembly 2/19/37[Core Optic Component (COC) Carrier, Cover Assembly 3/5/7/37[Basm Splitter Optic (BSO) Carrier, Cover Assembly 5/7/37[Basm Splitter Optic Corrier, Cover Assembly 3/24/37[Core Optic Component (COC) Carrier, Base Plate 4/28/37[Core Optic Component (COC) Carrier, Base Plate 4/28/37[Core Optic Component (COC) Carrier, Base Plate 4/28/37[Core Optic Component (COC) Carrier, Base Plate 2/19/37[Core Optic Component (COC) Carrier, Base Plate 2/19/37[Core Optic Component (COC) Carrier, Base Plate 3/24/37[37][Core Optic Component (COC) Carrier, Base Assembly 3/34/37[37][Core Optic Component (COC) Carrier, Base Ass

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D961433-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Standoff
· · · · · · · · · · · · · · · · · · ·	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier, Standoff Assembly
D961434-B-D	Craig Conley		5/7/97 Large Core Optic Component (LCOC) Carrier, Standoff Assembly
D961435-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Standoff Assembly
D961435-B-D	Craig Conley		5/7/97 Beam Splitter Optic Carrier, Standoff Assembly
D961436-A-O	Ralph M. Parsons Company	WA-E-301, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, End Station Power Lighting, Fire Det and Communication Plan
	Ralph M. Parsons Company	WA-E-302, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, End Station Grounding and Lightning Protection Plan
	Ralph M. Parsons Company	WA-E-303, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, End Station Power Plan
D961439-A-O	Ralph M. Parsons Company	WA-E-412, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Electrical, Sections and Details
	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier, Standoff Bracket
	Ralph M. Parsons Company	WA-P-311, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Plumbing, Ed Station Floor Plan
D961442-A-D	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier, Hinged Standoff
D961443-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Hinged Standoff
D961444-A-D	Craig Conley		12/16/96Large Core Optic Component (COC) Carrier, Hinged Standoff Assembly
D961444-B-D	Craig Conley		5/7/97 Large Core Optic Component (COC) Carrier, Hinged Standoff Assembly
D961445-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Hinged Standoff Assembly
D961445-B-D	Craig Conley		5/7/97 Beam Splitter Optic Carrier, Hinged Standoff Assembly
D961446-A-O	Ralph M. Parsons Company	WA-S-107, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, Corner Station (LVEA), Crane Support Framing Plan
D961447-A-D	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Captive Screw Bracket
D961448-A-D	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Captive Screw Bracket, Locating
D961449-A-D	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Top Plate
D961449-B-D	Craig Conley		5/9/97 Core Optic Component (COC) Carrier, Top Plate
D961449-C-D	Craig Conley		5/27/97 Core Optic Component (COC) Carrier, Top Plate
D961450-A-D	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Top Plate Assembly
D961450-B-D	Craig Conley		5/7/97 Core Optic Component (COC) Carrier, Top Plate Assembly
D961451-A-D	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Handle Plate
D961452-A-D	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier, Indexed Standoff
D961453-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Indexed Standoff
D961454-A-D	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier, Indexed Standoff Assembly
D961454-B-D	Craig Conley		5/7/97 Large Core Optic Component (COC) Carrier, Indexed Standoff Assembly
D961455-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier, Indexed Standoff Assembly
D961455-B-D	Craig Conley		5/7/97 Beam Splitter Optic Carrier, Indexed Standoff Assembly
D961456-A-O	Ralph M. Parsons Company	WA-S-301, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, End Station & Chiller Foundation Plans
	Ralph M. Parsons Company	WA-S-304, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, End Station, Roof & Crane Girder Framing Plans
D961458-A-O	Ralph M. Parsons Company	WA-S-305, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, End Station, Framing Elevations, Sheet 1
D961459-A-O	Ralph M. Parsons Company	WA-S-306, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - Structural, End Station, Framing Elevations, Sheet 2
D961460-A-D	Craig Conley		2/19/97 Large Core Optic Component (COC) Carrier Assembly
D961460-B-D	Craig Conley		5/27/97 Large Core Optic Component (COC) Carrier Assembly
D961461-A-D	Craig Conley		2/19/97 Beam Splitter Optic (BSO) Carrier Assembly
	Craig Conley		5/27/97 Beam Splitter Optic Carrier Assembly
D961462-A-O	Ralph M. Parsons Company	WA-H-311, Rev. A	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, End Station Floor Plan and End Station Chiller Yard Plan
	Ralph M. Parsons Company	WA-H-321, RevA	10/31/95 Hanford Facility Drawings, Preliminary Design Review (PDR) - HVAC, End Station Air Flow and Chilled Water Diagram
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Pad Guide
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Metrology Interface Top Plate
	Craig Conley		5/9/97 Core Optic Component (COC) Carrier, Metrology Interface Top Plate
-	Craig Conley		5/27/97 Core Optic Component (COC) Carrier, Metrology Interface Top Plate
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Metrology Interface Top Plate Assembly
	Craig Conley		5/7/97 Core Optic Component (COC) Carrier, Metrology Interface Top Plate Assembly]
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Foot
-	Craig Conley		3/24/97 Core Optic Component (COC) Carrier, Foot
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Foot Pad
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Captive Screw Bracket Assembly
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Captive Screw Bracket Assembly, Locating
	Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Standoff Clevis Pin
D961474-00-O			10/21/96GPS Survey - Beamtube/Vacuum Equipment Precision Survey
	Ralph M. Parsons Company	LA-E-123, Rev 0	3/21/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston
D961479-01-O	Ralph M. Parsons Company	LA-E-123, Rev 1	4/4/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston

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D961480-00-O Ralph M. Parsons Company	LA-E-124, Rev 0	3/21/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston
D961480-01-O Ralph M. Parsons Company	LA-E-124, Rev 1	4/4/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston
D961481-00-O Ralph M. Parsons Company	LA-E-125, Rev 0	3/21/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston
D961481-01-O Ralph M. Parsons Company	LA-E-125, Rev 1	4/4/97 Electrical, Corner Station, LVEA Areas 101, 102, 103, 104 Details - Livingston
D961482-00-V Process Systems Int'l, Inc.	V049-3-007, Rev 0	11/25/96 Instrumentation/Electrical Installation Details - LIGO Vaccum Equipment, Washington & Livingston
D961483-00-V Process Systems Int'l, Inc.	V049-3-008, Rev 0	11/25/96 Instrument Installation Details - LIGO Vacuum Equipment, Hanford & Livingston
D961484-00-V Process Systems Int'l, Inc.	V049-3-009, Rev 0	12/27/96 Grounding Details - LIGO Vacuum Equipment, Hanford & Livingston
D961579-00-V Process Systems Int'l, Inc.	V049-3-120	11/25/96 Distribution System Feeder Schedule - LIGO Vacuum Equipment, Washington Site, Corner Station
D970001-A-D Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Captive Screw Retaining Ring
D970002-00-D Dennis Coyne		2/4/97 Recycling Cavity Dimensional Range
D970003-00-D Dennis Coyne		2/24/97 Recycling Cavity Layout
D970004-A-D Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Expansion Plug Installation Tool
D970004-B-D Craig Conley		3/21/97 Core Optic Component (COC) Carrier, Expansion Plug Installation Tool
D970005-A-D Craig Conley		2/19/97 Core Optic Component (COC) Carrier, Toggle Screw, Modified
D970006-A-D Craig Conley		2/19/97 Material List - Large Core Optic Component (COC) Carrier Assembly
D970006-B-D Craig Conley		10/29/96 Material List: Large Core Optic Component Carrier Assembly
D970007-A-D Craig Conley		2/19/97 Material List - Beam Splitter Optic (BSO) Carrier Assembly
D970007-B-D Craig Conley		1/2/97 Material List: Beam Splitter Optic Carrier Assembly
D970008-A-E Craig Conley		1/21/97 Chamber & Rack Designations - WA (Corner Station)
D970009-A-E Craig Conley		1/21/97 Chamber & Rack Designations - WA (Mid Station)
D970010-A-E Craig Conley		1/21/97 Chamber & Rack Designations - WA (End Station)
D970016-01-B CBI	CBI ER-205, Rev. 1	5/29/96 LIGO Beam Tube - Tube Section Leak Test, Casket Supports
D970017-01-B CBI	CBI ER-206, Rev. 1	5/29/96 LIGO Beam Tube - Tube Section Leak Test, Casket Supports
D970018-01-B CBI	CBI ER-207, Rev. 1	5/24/96 LIGO Beam Tube - Tube Section Leak Test, Tube Supports
D970019-01-B CBI	CBI ER-208, Rev. 1	5/31/96 LIGO Beam Tube - Tube Section Leak Test, Tube Supports
D970020-01-B CBI	CBI ER-209, Rev. 1	5/31/96 LIGO Beam Tube - Tube Section Leak Test, Casket & Head Seals
D970021-01-B CBI	CBI ER-210, Rev. 1	5/31/96 LIGO Beam Tube - Tube Section Leak Check, Head Details
D970022-01-B CBI	CBI ER-211, Rev. 1	6/3/96 LIGO Beam Tube - Tube Section Leak Test, Pump End Frame & Equipment
D970023-01-B CBI	CBI ER-212, Rev 1	2/26/96 LIGO Beam Tube - Tube Section Leak Test, Pump End Frame
D970024-01-B CBI	CBI ER-213, Rev. 1	6/3/96 LIGO Beam Tube - Tube Section Leak Test, Pump End Equipment Supports
D970025-01-B CBI	CBI ER-214, Rev. 1	6/3/96 LIGO Beam Tube - Tube Section Leak Test, Blind End Head Supports
D970026-01-B CBI	CBI ER-214, Rev. 1	6/4/96 LIGO Beam Tube - Tube Section Leak Test, Frame Wheels & Elbow
D970027-00-B CBI	CBI ER-216, Rev. 0	2/26/96 LIGO Beam Tube - Tube Section Leak Test, Frame and Track Details
D970028-00-B CBI	CBI ER-217, Rev. 0	5/31/96LIGO Beam Tube - Tube Section Leak Test, Frame Balance Beams and Miscellaneous
D970029-00-B CBI	CBI ER-218, Rev. 0	2/26/96 LIGO Beam Tube - Tube Section Leak Test, Frame Drive and Balance Lug
D970030-00-B CBI	CBI ER-219, Rev. 0	2/26/96LIGO Beam Tube - Tube Section Leak Test, Head Nozzles
D970031-00-B CBI	CBI ER-220, Rev. 0	5/25/96LIGO Beam Tube - Tube Section Leak Test, Casket Alignment Pins and Lugs
D970032-00-B CBI	CBI ER0221, Rev. 0	2/26/96LIGO Beam Tube - Tube Section Leak Test, Spreader Bar and Casket Seal
D970033-01-B CBI	CBI ER-231, Rev. 1	7/31/96LIGO Beam Tube - P & I Diagram, Vacuum Systems, Tube Section Leak Test Pump System
D970034-01-B CBI	CBI ER-232, Rev. 1	8/12/96LIGO Beam Tube - P & I Diagram, Vacuum Systems, Tube Section Leak Test Hood Systems
D970035-01-B CBI	CBI ER-233, Rev. 1	7/31/96 LIGO Beam Tube - P & I Diagram, Vacuum Systems, Helium Supply System 7/31/96 LIGO Beam Tube - P & I Diagram, Vacuum Systems, Febrication Facility Nitrogen Systems
D970036-01-B CBI	CBI ER-234, Rev. 1	7/31/96LIGO Beam Tube - P & I Diagram, Vacuum Systems, Fabrication Facility Nitrogen Supply System 7/31/96LIGO Beam Tube - Tube Section Leak Test Pump System. Pump End (Side View)
D970037-00-B CBI	CBI ER-240, Rev. 0	
D970038-03-B CBI	CBI ER-250, Rev. 3	6/13/96LIGO Beam Tube - Vacuum Test System Electrical Block Diagram
D970039-02-B CBI D970040-01-B CBI	CBI ER-251, Rev. 2 CBI ER-252, Rev. 1	7/2/96 LIGO Beam Tube - Section Test System Power Single Line Diagram 5/29/96 LIGO Beam Tube - Section Test Skid Junction Box Layout
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D970041-02-B	CBI ER-253, Rev. 2 CBI ER-254, Rev. 3	6/4/96 LIGO Beam Tube - Section Test D I/O Junction/Card and Distribution Panel Layout 5/16/96 LIGO Beam Tube - Section Test D I/O Wiring Diagram for Skid "A"
D970042-03-B CBI D970043-01-B CBI	CBI ER-254, Rev. 3 CBI ER-255, Rev. 1	3/25/96 LIGO Beam Tube - Section Test D I/O Wiring Diagram for Skid. A 3/25/96 LIGO Beam Tube - Casket Hood Skid Junction Box Wiring
D970044-03-B CBI	CBI ER-255, Rev. 1	3/25/96 LIGO Beam Tube - Casket Hood Skid Junction Box Wiring 7/12/96 LIGO Beam Tube - Section Test Control Room D I/O Distribution Panel Wiring
D970044-03-B CBI D970045-01-B CBI	CBI ER-256, Rev. 3 CBI ER-257, Rev. 1	3/25/96 LIGO Beam Tube - Section Test Control Room D I/O Distribution Panel Wiring 3/25/96 LIGO Beam Tube - Section Test Control Room, 120 VAC Supply Diagram
	ODI ER-201, Rev. 1	3/25/96 LIGO Beam Tube - Section Test Control Room, 120 VAC Supply Diagram 3/21/97 Document Change Notice (DCN)
D970046-00-E	CBI ER-258, Rev. 3	5/20/96 LIGO Beam Tube - Section Test Skid D I/O Wiring Diagram for Skid "B"
D970047-02-B CBI	CBI ER-258, Rev. 3 CBI ER-259, Rev. 2	5/20/96 LIGO Beam Tube - Section Test Skid D I/O Wiring Diagram for Skid B 5/14/96 LIGO Beam Tube - Section Test Skid D I/O Wiring Diagram for Skid B
D970048-00-B CBI	CBI ER-259, Rev. 2	7/8/96 LIGO Beam Tube - Section Test System Analog I/O Wiring Diagram 7/8/96 LIGO Beam Tube - Section Test System Analog I/O Wiring Diagram
	CBI ER-260, Rev. 0	7/8/96 LIGO Beam Tube - Section Test System Analog I/O Wiring Diagram 7/12/96 LIGO Beam Tube - Wiring Schematic, Distribution Panel #1, Circuit "D" & Casket Hood Vacuum Pump Skid
D970049-01-B CBI D970050-02-B CBI	CBI ER-261, Rev. 1	7/15/96 LIGO Beam Tube - Wiring Schematic, Distribution Panel #1, Circuit "B" & Casket Hood Vacuum Pump Skid 7/15/96 LIGO Beam Tube - Wiring Schematic, Distribution Panel #1, Circuit "A" D I/O Control - "A" System
שטו טטטט-טב-ט רפון	ODI LR-202, Rev. 2	1/10/39 LIOO Death Tube - Willing Schematic, Distribution Faller #1, Official A D 1/O Control - A System

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D970051-02-B CBI	CBI ER-263, Rev. 2	7/15/96 LIGO Beam Tube - Wiring Schematic, Distribution Panel #1, Circuit "B" D I/O Control - "B" System
D970052-02-B CBI	CBI ER-264, Rev. 2	7/15/96 LIGO Beam Tube - Wiring Schematic, Distribution Panel #1, Circuit "C" D I/O Control - "C" System
D970053-01-B CBI	CBI ER-600, Rev. 1	6/12/96LIGO Beam Tube - Circumferential Leak Test Box, General View
D970054-01-B CBI	CBI ER-601, Rev. 1	6/12/96LIGO Beam Tube - Circumferential Leak Test Box, Clamping Details
D970055-01-B CBI	CBI ER-602, Rev. 1	5/12/96 LIGO Beam Tube - Circumferential Leak Test Box, Hinge Details
D970056-01-B CBI	CBI ER-603, Rev. 1	6/12/96 LIGO Beam Tube - Circumferential Leak Test Box, Hinge Details
D970057-01-B CBI	CBI ER-604, Rev. 1	6/12/96 LIGO Beam Tube - Circumferential Leak Test Box, Nozzle Details
D970058-00-B CBI	CBI ER-605, Rev. 0	6/6/96 LIGO Beam Tube - Tube Section Leak Test, Pump Port Leak Test Fixture
D970059-00-B CBI	CBI ER-606, Rev. 0	6/6/96 LIGO Beam Tube - Tube Section Leak Test, Pump Port Leak Test Fixture
D970060-00-B CBI	CBI ER-607, Rev. 0	6/6/96 LIGO Beam Tube - Tube Section Leak Test, Pump Port Nozzle and Valves
D970061-A-D Craig Conley	CBI LIX-007, IXEV. 0	2/19/97 Core Optic Component (COC) Carrier, Seal Plate
D970062-01-B CBI	CBI 104, Rev. 1	12/4/96 LIGO Beam Tube - Pump Port Isolation Valve
D970064-B-D Craig Conley	CDI 104, IXEV. 1	3/28/97 COC Carrier Shipping Compartment Assembly
		3/28/97 COC Carrier Shipping Compartment Assembly 3/28/97 COC Carrier Shipping Compartment Details
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D970076-00-V Process Systems Int'l, Inc.	V049-3-624, Rev. 0	1/31/97 LIGO Vacuum Equipment, Livingston - Electrical Conduit Stub-Up Plan, Corner Station
D970077-00-V Process Systems Int'l, Inc.	V049-3-705, Rev. 0	1/31/97 LIGO Vacuum Equipment, Livingston - Electrical Conduit Stub-Up Plan, Left End Station
D970078-00-V Process Systems Int'l, Inc.	V049-3-805, Rev. 0	1/31/97 LIGO Vacuum Equipment, Livingston - Electrical Conduit Stub-Up Plan, Right End Station
D970081-02-C Rich Abbott		2/6/97 NPRO PSL Frequency Stab. Amp.
D970082-01-C Rich Abbott		2/6/97 NPRO PSL 80Mhz VCO
D970085-A-D Craig Conley	110 42222	2/19/97 Project Material List - Large Core Optic Component (COC) and Beam Splitter Optic (BSO) Assemblies
D970088-00-D Hytec, Inc.	LIG-10000	1/13/97 LIGO BSC Top Assembly
D970089-00-D Hytec, Inc.	LIG-13000	1/13/97 LIGO BSC Top Assembly SEI
D970090-00-D Hytec, Inc.	LIG-12001	1/13/97 LIGO BSC Stack Assembly
D970091-00-D Hytec, Inc.	LIG-12002	1/13/97 LIGO BSC, Leg Stack Assembly
D970092-00-D Hytec, Inc.	LIG-11002	1/13/97 LIGO BSC, Translation Assembly
D970093-00-D Hytec, Inc.	LIG-11003	1/13/97 LIGO Z Translation Assembly
D970094-00-D Hytec, Inc.	LIG-11004	1/13/97 LIGO BSC, Flexure Mount Assemblyl
D970095-00-D Hytec, Inc.	LIG-11005	1/13/97 LIGO BSC, Course X-Y Translation Assembly
D970096-00-D Hytec, Inc.	LIG-20001	12/23/96 LIGO HAM, Top Structure Assembly
D970097-00-D Hytec, Inc.	LIG-24011	1/13/97 LIGO HAM, Stack Assembly
D970098-00-D Hytec, Inc.	LIG-25000	1/13/97 LIGO HAM, Top Assembly SEI
D970099-00-D Hytec, Inc.	LIG-24012	1/13/97 LIGO HAM, Leg Stack
D970100-00-D Hytec, Inc.	LIG-23002	1/13/97 LIGO AHM, Translation Assembly
D970101-00-O Ralph M. Parsons Company		2/28/97 Livingston Beam Tube Enclosure/Slab, Issued for Construction Drawings, REVISION 1 - Structural, Southeast Arm, Beam Tube Enclosure (BTE) Foundation & Partial Enlarged Plans
D970111-00-V Process Systems Int'l, Inc.	V049-3-601, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Plan, Vertex Section
D970112-00-V Process Systems Int'l, Inc.	V049-3-602, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Plan, Left Beam Manifold
D970113-00-V Process Systems Int'l, Inc.	V049-3-603, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Plan, Right Beam Manifold
D970114-00-V Process Systems Int'l, Inc.	V049-3-606, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Cable Tray Plan, Vertex Section
D970115-00-V Process Systems Int'l, Inc.	V049-3-607, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Cable Tray Plan, Left Beam Manifold
D970116-00-V Process Systems Int'l, Inc.	V049-3-608, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Cable Tray Plan, Right Beam Manifold
D970117-00-V Process Systems Int'l, Inc.	V049-3-610, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Cable Tray Details, Corner Station
D970118-00-V Process Systems Int'l, Inc.	V049-3-611, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Electrical Plan, Vertex Section
D970119-00-V Process Systems Int'l, Inc.	V049-3-612, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Electrical Plan, Left Beam Manifold
D970120-00-V Process Systems Int'l, Inc.	V049-3-613, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Instrument Electrical Plan, Right Beam Manifold
D970121-00-V Process Systems Int'l, Inc.	V049-3-616, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Power Plan, Vertex Section
D970122-00-V Process Systems Int'l, Inc.	V049-3-617, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Power Plan, Left Beam Manifold
D970123-00-V Process Systems Int'l, Inc.	V049-3-618, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Power Plan, Right Beam Manifold
D970124-00-V Process Systems Int'l, Inc.	V049-3-620, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Distribution System Feeder Schedule, Corner Station
D970125-00-V Process Systems Int'l, Inc.	V049-3-621, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - PNL -600 Assembly, Corner Station
D970126-00-V Process Systems Int'l, Inc.	V049-3-622, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - PNL -600 Wiring Diagram, Corner Station
D970127-00-V Process Systems Int'l, Inc.	V049-3-623, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - CDS Interface Diagram, Corner Station
D970128-01-V Process Systems Int'l, Inc.	V049-3-624, Rev 1	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Electrical Conduit Stub-Up Plan, Corner Station
D970129-00-V Process Systems Int'l, Inc.	V049-3-625, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Vacuum Carts Interface Plan, Corner Station
D970130-00-V Process Systems Int'l, Inc.	V049-3-627, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Data Highway Plan, Vertex Section
D970131-00-V Process Systems Int'l, Inc.	V049-3-628, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Data Highway Plan, Left Beam Manifold
D970132-00-V Process Systems Int'l, Inc.	V049-3-629, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Data Highway Plan, Right Beam Manifold
D970133-00-V Process Systems Int'l, Inc.	V049-3-633, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Grounding Plan, Vertex Section
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D870167-B-D Craig Conley S27787Large Core Optic Component (COC) Centre, Protective Sheet S2787Large Core Optic Component (COC) Centre, Protective Sheet S2787Large Core Optic Component (COC) Centre, Protective Sheet S2787Eexm Splitter Optic (BSO) Carrier, Protective Sheet S2787Eexm Splitter Optic Carrier, Protective S		· ·	,	
D970170-B-D Craig Conley S2797/Beam Splitter Optic (BSO) Carrier, Protective Sheet				
D870171-B-D Craig Conley 5.27878 paam Spillare Optic Carrior, Protective Sheet Assembly D870175-00-V Process Systems Int1, Inc. V049-5-051, Rev. 0 4/17/87 Survey Benchmark Layout, Corner Station, Washington Station, LIGO Vacuum Equipment D870175-00-V Process Systems Int1, Inc. V049-5-051, Rev. 0 5/19/9 Survey Benchmark Layout, Right-Left End Stations, Washington Stite, LIGO Vacuum Equipment D870175-00-V Process Systems Int1, Inc. V049-5-052, Rev. 0 5/19/9 Survey Benchmark Layout, Right-Left End Stations, Washington Stite, LIGO Vacuum Equipment D8703175-00-V Process Systems Int1, Inc. V049-5-052, Rev. 0 5/19/9 Survey Benchmark Layout, Right-Left End Stations, Washington Stite, LIGO Vacuum Equipment D8703175-00-V Process Systems Int1, Inc. U6-1021 6/16/9/LIGO BSC Support Tube Weldment D870315-00-V Process Systems Int1, Inc. U6-1022 6/16/9/LIGO BSC Support Tube Weldment D870315-00-V Process Systems Int1, Inc. U6-1000 6/16/9/LIGO BSC Instant Stack Leg Lection & Assembly Pins D870315-00-V Process Systems Int1, Inc. U6-12007 6/16/9/LIGO BSC Instant Stack Leg Element #1 D870315-00-V Process Systems Int1, Inc. U6-12008 6/16/9/LIGO BSC Instant Stack Leg Element #2 D870325-00-V Process Systems Int1, Inc. U6-12008 6/16/9/LIGO BSC Instant Stack Leg Element #2 D870325-00-V Process Systems Int1, Inc. U6-2000 6/16/9/LIGO BSC Instant Stack Leg Element #2 D870325-00-V Process Systems Int1, Inc. U6-2000 6/16/9/LIGO BSC Upont Table Weldment D870325-00-V Process Systems Int1, Inc. U6-2000 6/16/9/LIGO HAM Support Table Weldment D870325-00-V Process Systems Int1, Inc. U6-2000 6/16/9/LIGO HAM Support Table Weldment D870325-00-V Process Systems Int1, Inc. U6-2000 6/16/9/LIGO HAM Support Table Weldment D870325-00-V Process Systems Int1, Inc. U6-2001 6/16/9/LIGO HAM Support Table Weldment U6-2001 6/16/9/LIGO HAM Support Table Weldment U6-2001 6/16/9/LIGO HAM Support Table Weldment U6-2001 6/16				
D970177-09-V Process Systems Int'l, Inc. V049-5-050, Rev. 0 4/1797/Survey Benchmark Layout, Corner Station, Washington Station, LIGO Vacuum Equipment D970178-00-V Process Systems Int'l, Inc. V0495-051, Rev. 0 5/197/Survey Benchmark Layout, Right/Left Mid Stations, Washington Site, LIGO Vacuum Equipment D970370-00-E Bill Baldwin Siladwin				
D970179-00-V Process Systems Int'l, Inc. V049-5-061, Rev. 0 5/1975.wrey Benchmark Layout, Right/Left Mild Stations, Washington Site, LIGO Vacuum Equipment D9703179-00-E Bill Baldwin V049-5-062, Rev. 0 5/1975.wrey Benchmark Layout, Right/Left Mild Stations, Washington Site, LIGO Vacuum Equipment D970315-XX-O Hyte, Inc. LIG-11021 6/1697/LIGO BSC Support Tube Weldment D970317-XX-O Hyte, Inc. LIG-12005 6/1697/LIGO BSC Support State Weldment D970318-XX-O Hyte, Inc. LIG-12005 6/1697/LIGO BSC Support State Leg Location & Assembly Pins D970318-XX-O Hyte, Inc. LIG-12007 6/1697/LIGO BSC Isolation Stack Leg Element #1 D970319-XX-O Hyte, Inc. LIG-12007 6/1697/LIGO BSC Isolation Stack Leg Element #2 D970320-XX-O Hyte, Inc. LIG-12009 6/1697/LIGO BSC Isolation Stack Leg Element #2 D970320-XX-O Hyte, Inc. LIG-12009 6/1697/LIGO BSC Isolation Stack Leg Element #3 D970321-XX-O Hyte, Inc. LIG-12001 6/1697/LIGO BSC Isolation Stack Leg Element #3 D970321-XX-O Hyte, Inc. LIG-12001 6/1697/LIGO BSC Isolation Stack Leg Element #3 D970323-XX-O Hyte, Inc. LIG-12001 6/1697/LIGO BSC Support Table Weldment D970323-XX-O Hyte, Inc. LIG-12001 6/1697/LIGO BSC Support Table Weldment D970325-XX-O Hyte, Inc. LIG-22006 6/1697/LIGO HAM Support Rot Weldment D970325-XX-O Hyte, Inc. LIG-22007 6/1697/LIGO HAM Support Table Weldment D970325-XX-O Hyte, Inc. LIG-22006 6/1697/LIGO HAM Support Table Weldment D970325-XX-O Hyte, Inc. LIG-22006 6/1697/LIGO HAM Support Table Weldment D970325-XX-O Hyte, Inc. LIG-22001 6/1697/LIGO HAM Subport Rot Weldment D970325-XX-O Hyte, Inc. LIG-2201 6/1697/LIGO HAM Subport Rot Weldment D970325-XX-O Hyte, Inc. LIG-2201 6/1697/LIGO HAM Isolation Stack Leg Element #1 D970325-XX-O Hyte, Inc. LIG-2201 6/1697/LIGO HAM Isolation Stack Leg Location & Assembly Pins D970335-XX-O Hyte, Inc. LIG-2201 6/1697/LIGO HAM Isolation Stack Leg Location & Assembly Pins		· ,	V049-5-050, Rev. 0	
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D970331-01-V Process Systems Int'l, Inc. V049-0-007, Rev 1 6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Chamber Repressurization System, 50 CFM & 100 CFM	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970323-XX-O D970324-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970329-XX-O	Hytec, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO BSC Support Table Weldment 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Table Weldment 6/16/97 LIGO HAM Support Table Weldment 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins
D970332-01-V Process Systems Int'l, Inc. V049-0-100, Rev 1 6/27/97 Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970329-XX-O D970330-00-V	Hytec, Inc. Process Systems Int'l, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO BSC Support Table Weldment 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Table Weldment 6/16/97 LIGO HAM Support Table Weldment 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins
D970333-01-V Process Systems Int'l, Inc. V049-3-007, Rev 1 5/12/97 Instrument Electrical Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V	Hytec, Inc. Process Systems Int'I, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011 V049-0-000, Rev. 0	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Table Weldment 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97
D970334-01-V Process Systems Int'l, Inc. V049-3-008, Rev 1 5/12/97 Instrument Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site	D970315-XX-O D970316-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970320-XX-O D970321-XX-O D970322-XX-O D970323-XX-O D970325-XX-O D970326-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970331-01-V D970332-01-V	Hytec, Inc. Process Systems Int'l, Inc. Process Systems Int'l, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-100, Rev 1	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Subject to Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Support Table Weldment, Sheet 1& 2 6/16/97 LIGO BSC Support Table Weldment 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Document List, LIGO Vacuum Equipment, Washington Stee 6/17/97 Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Ohamber Repressurization System, 50 CFM & 100 CFM 6/27/97 Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment
D970335-01-V Process Systems Int'l, Inc. V049-3-009, Rev 1 5/12/97 Grounding Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970321-XX-O D970322-XX-O D970323-XX-O D970325-XX-O D970326-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V	Hytec, Inc. Process Systems Int'I, Inc. Process Systems Int'I, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22010 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-100, Rev 1 V049-3-007, Rev 1	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Table, Sheet 1 & 2 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Document List, LIGO Vacuum Equipment, Washington Site 6/27/97 Pinstallation Document List, LIGO Vacuum Equipment, Chamber Repressurization System, 50 CFM & 100 CFM 6/27/97 Instrument Electrical Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site
D970336-01-V Process Systems Int'l, Inc. V049-3-110, Rev 1 5/12/97 Cable Tray Details, LIGO Vacuum Equipment, Washington Site, Corner Station	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970321-XX-O D970322-XX-O D970323-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970333-01-V	Hytec, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22010 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-100, Rev 1 V049-3-007, Rev 1 V049-3-007, Rev 1	6/16/97/LIGO BSC Support Tube Weldment 6/16/97/LIGO BSC Expansion Bellows 6/16/97/LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97/LIGO BSC Isolation Stack Leg Element #1 6/16/97/LIGO BSC Isolation Stack Leg Element #2 6/16/97/LIGO BSC Isolation Stack Leg Element #3 6/16/97/LIGO BSC Isolation Stack Leg Element #3 6/16/97/LIGO BSC Isolation Stack Shim 6/16/97/LIGO BSC Support Table Weldment, Sheet 1& 2 6/16/97/LIGO BSC Support Table Weldment, Sheet 1& 2 6/16/97/LIGO HAM Support Rod Weldment 6/16/97/LIGO HAM Support Table Weldment 6/16/97/LIGO HAM Support Table Weldment 6/16/97/LIGO HAM Isolation Stack Leg Element #2 6/16/97/LIGO HAM Isolation Stack Leg Legenent #3 6/16/97/LIGO HAM Isolation Stack Leg Legenent #3 6/16/97/LIGO HAM Isolation Stack Leg Legenent #3 6/16/97/LIGO HAM Isolation Stack Legenent #4 6/16/97/LIGO HAM Isolation Stack Legenent #3 6/16/97/LIGO HAM Isolation Stack Legenent #2 6/16/97/LIGO HAM Isolation Stack Legenent #2 6/16/97/LIGO HAM Isolation Stack Legenent #2 6/16/97/LIGO HAM Isolation Stack Legenent #3 6/16/97/LIGO HAM Isolation Stack Legenent #4 6/16/97/LIGO HAM Isolation Stack Legenent #2 6/16/97/LIGO HAM Isolation Stack Legenent #3 6/16/97/LIGO HAM Isolation Stack Leg
D970337-01-V Process Systems Int'l, Inc. V049-3-120, Rev 1 5/12/97 Distribution System Feeder Schedule, LIGO Vacuum Equipment, Washington Site, Corner Station	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970333-01-V D970333-01-V	Hytec, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12009 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-007, Rev 1 V049-3-007, Rev 1 V049-3-008, Rev 1 V049-3-009, Rev 1	6/16/97/LIGO BSC Support Tube Weldment 6/16/97/LIGO BSC Expansion Bellows 6/16/97/LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97/LIGO BSC Isolation Stack Leg Element #1 6/16/97/LIGO BSC Isolation Stack Leg Element #2 6/16/97/LIGO BSC Isolation Stack Leg Element #3 6/16/97/LIGO BSC Support Table Weldment 6/16/97/LIGO HAM Diptical Table Weldment 6/16/97/LIGO HAM Support Rod Weldment 6/16/97/LIGO HAM Support Rod Weldment 6/16/97/LIGO HAM Support Table Weldment 6/16/97/LIGO HAM Isolation Stack Leg Element #1 6/16/97/LIGO HAM Isolation Stack Leg Element #2 6/16/97/LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97/LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97/LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/17/97/Installation Document List, LIGO Vacuum Equipment, Chamber Repressurization System, 50 CFM & 100 CFM 6/27/97/Instrument Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97/Instrument Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site
D970338-02-V Process Systems Int'l, Inc. V049-3-123, Rev 2 5/12/97 CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970335-01-V D970335-01-V D970336-01-V	Hytec, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12009 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22011 V049-0-000, Rev. 0 V049-0-007, Rev 1 V049-3-007, Rev 1 V049-3-008, Rev 1 V049-3-009, Rev 1 V049-3-009, Rev 1 V049-3-110, Rev 1	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Isolation Stack Shim 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO HAM Support Row Weldment, Sheet 1 & 2 6/16/97 LIGO HAM Support Stack Leg Element #1 6/16/97 LIGO HAM Support Stack Leg Element #1 6/16/97 LIGO HAM Support Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #1 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 Installation Document List, LIGO Vacuum Equipment, Washington Site 6/11/97 Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Chamber Repressurization System, 50 CFM & 100 CFM 6/11/97 Instrument Electrical Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Instrument Electrical Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Crounding Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Crounding Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site
D970339-01-V Process Systems Int'l, Inc. V049-3-133, Rev 1 5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Vertex Section	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970335-01-V D970335-01-V D970336-01-V D970337-01-V	Hytec, Inc. Process Systems Int'I, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-007, Rev 1 V049-3-007, Rev 1 V049-3-007, Rev 1 V049-3-009, Rev 1 V049-3-009, Rev 1 V049-3-110, Rev 1 V049-3-110, Rev 1 V049-3-120, Rev 1	6/16/97 LIGO BSC Support Tube Weldment 6/16/97 LIGO BSC Expansion Bellows 6/16/97 LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO BSC Isolation Stack Leg Element #1 6/16/97 LIGO BSC Isolation Stack Leg Element #2 6/16/97 LIGO BSC Isolation Stack Leg Element #3 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO BSC Support Table Weldment, Sheet 1 & 2 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Support Rod Weldment 6/16/97 LIGO HAM Isolation Stack Leg Element #2 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/16/97 LIGO HAM Isolation Diagram. LIGO Vacuum Equipment, Washington Site 6/19/97 Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Instrument Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Galouding Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Cable Tray Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97 Cable Tray Details, LIGO Vacuum Equipment, Washington Site, Corner Station 5/12/97 Distribution System Feeder Schedule, LIGO Vacuum Equipment, Washington Site, Corner Station
D970340-01-V Process Systems Int'l, Inc. V049-3-134, Rev 1 5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Left Beam Manifold Section	D970315-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970319-XX-O D970320-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970325-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970335-01-V D970336-01-V D970337-01-V D970337-01-V D970338-02-V	Hytec, Inc. Process Systems Int'l, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22009 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-007, Rev 1 V049-3-007, Rev 1 V049-3-007, Rev 1 V049-3-008, Rev 1 V049-3-009, Rev 1 V049-3-110, Rev 1 V049-3-120, Rev 1 V049-3-123, Rev 2	6/1697LIGO BSC Support Tube Weldment 6/1697LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/1697LIGO BSC Isolation Stack Leg Location & Assembly Pins 6/1697LIGO BSC Isolation Stack Leg Element #1 6/1697LIGO BSC Isolation Stack Leg Element #2 6/1697LIGO BSC Isolation Stack Leg Element #3 6/1697LIGO BSC Support Table Weldment 6/1697LIGO BSC Support Table Weldment 6/1697LIGO HAM Support Rod Weldment 6/1697LIGO HAM Support Table Weldment 6/1697LIGO HAM Support Table Weldment 6/1697LIGO HAM Isolation Stack Leg Element #1 6/1697LIGO HAM Isolation Stack Leg Element #1 6/1697LIGO HAM Isolation Stack Leg Element #2 6/1697LIGO HAM Isolation Stack Leg Element #2 6/1697LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/1697LIGO HAM Isolation Stack Leg Location & Assembly Pins 6/1697LIGO HAM Isolation Datak Leg Location & Company Legipment, Washington Stee 6/1997Plory Ping & Instrumentation Diagram, LIGO Vacuum Equipment, Washington Site & Louisiana Site 6/1297/Parking Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Washington Site & Louisiana Site 6/1297/Parking Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Washington Site & Louisiana Site 6/1297/Parking Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 6/1297/Parkingthurent Islectrical Installation Details, LIGO Vacuum Equipment, Washington Site & Louisiana Site 6/1297/Polstribution System Feeder Schedule, LIGO Vacuum Equipment, Washington Site, Corner Station 6/1297/Distribution System Feeder Schedule, LIGO Vacuum Equipment, Washington Site, Corner Station 6/1297/Distribution System Feeder Schedule, LIGO Vacuum Equipment, Washington Site, Corner Station
D970341-01-V Process Systems Int'l, Inc. V049-3-135, Rev 1 5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Right Beam Manifold	D970315-XX-O D970316-XX-O D970316-XX-O D970317-XX-O D970318-XX-O D970320-XX-O D970321-XX-O D970322-XX-O D970322-XX-O D970325-XX-O D970326-XX-O D970326-XX-O D970328-XX-O D970329-XX-O D970330-00-V D970331-01-V D970333-01-V D970335-01-V D970336-01-V D970338-02-V D970338-02-V D970339-01-V	Hytec, Inc. Process Systems Int'l, Inc.	LIG-11022 LIG-12005 LIG-12007 LIG-12008 LIG-12010 LIG-12010 LIG-12011 LIG-21005 LIG-22006 LIG-22007 LIG-22008 LIG-22010 LIG-22010 LIG-22011 V049-0-000, Rev. 0 V049-0-007, Rev 1 V049-3-007, Rev 1 V049-3-007, Rev 1 V049-3-008, Rev 1 V049-3-09, Rev 1 V049-3-120, Rev 1 V049-3-123, Rev 2 V049-3-133, Rev 1	6/16/97LIGO BSC Support Tube Weldment 6/16/97LIGO BSC Ispation Stack Leg Location & Assembly Pins 6/16/97LIGO BSC Ispation Stack Leg Element #1 6/16/97LIGO BSC Ispation Stack Leg Element #2 6/16/97LIGO BSC Ispation Stack Leg Element #2 6/16/97LIGO BSC Ispation Stack Leg Element #3 6/16/97LIGO BSC Ispation Stack Leg Element #3 6/16/97LIGO BSC Ispation Stack Leg Element #3 6/16/97LIGO BSC Ispation Stack Shim 6/16/97LIGO BSC Support Table Weldment Sheet 1& 2 6/16/97LIGO BSC Support Table Weldment 6/16/97LIGO HAM Support Rod Weldment 6/16/97LIGO HAM Support Rod Weldment 6/16/97LIGO HAM Support Rod Weldment 6/16/97LIGO HAM Support Table Weldment 6/16/97LIGO HAM Support Stack Leg Element #1 6/16/97LIGO HAM Ispation Stack Leg Element #1 6/16/97LIGO HAM Ispation Stack Leg Element #1 6/16/97LIGO HAM Ispation Stack Leg Element #2 6/16/97LIGO HAM Ispation Stack Leg Location & Assembly Pins 6/16/97LIGO HAM Ispation Stack Leg Location & Assembly Pins 6/16/97LIGO HAM Ispation Stack Leg Location & Assembly Pins 6/16/97LIGO HAM Ispation Stack Leg Location & Assembly Pins 6/16/97LIGO HAM Ispation Declare Ltt. LIGO Vacuum Equipment, Washington Site 6/11/97/Piping & Instrumentation Diagram, LIGO Vacuum Equipment, Chamber Repressurization System, 50 CFM & 100 CFM 6/12/97/Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97/Drawing Tree / BOM Structure, General Project, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97/Grounding Pala, LIGO Vacuum Equipment, Washington Site & Louisiana Site 5/12/97/CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station 5/12/97/CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station 5/12/97/CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station 5/12/97/CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station 5/12/97/CDS Interface Diagram, LIGO Vacuum Equipment, Washington Site, Corner Station

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D970342-01-V Process Systems Int'l, Inc.	V049-3-136, Rev 1	5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Diagonal Section
D970343-01-V Process Systems Int'l, Inc.	V049-3-209, Rev 1	5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Left Mid Station
D970344-02-V Process Systems Int'l, Inc.	V049-3-306, Rev 2	5/12/97 Vacuum Cart Interface Plan, LIGO Vacuum Equipment, Washington Site, Right Mid Station
D970345-01-V Process Systems Int'l, Inc.	V049-3-309, Rev 1	5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Right Mid Station
D970346-01-V Process Systems Int'l, Inc.	V049-3-409, Rev 1	5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Left End Station
D970347-01-V Process Systems Int'l, Inc.	V049-3-509, Rev 1	5/12/97 Grounding Plan, LIGO Vacuum Equipment, Washington Site, Right Mid Station
D970348-03-V Process Systems Int'l, Inc.	V049-4-003, Rev 3	1/23/97 BSC Shell Weldment/Machining, Lower Shell, LIGO Vacuum Equipment
D970349-02-V Process Systems Int'l, Inc.	V049-4-006, Rev 2	5/20/97 80K Pump General Arrangement - Long-Right, LIGO Vacuum Equipment
D970350-02-V Process Systems Int'l, Inc.	V049-4-007, Rev 2	5/21/97 80K Pump General Arrangement - Short-Left, LIGO Vacuum Equipment
D970351-01-V Process Systems Int'l, Inc.	V049-4-046, Rev 1	6/6/97 RGA/Aux Turbo/Gauge Pair Assembly, BSC, LIGO Vacuum Equipment
D970352-02-V Process Systems Int'l, Inc.	V049-4-061, Rev 2	2/15/97/3/4" O.D. Elbow x 2 3/4" CF Flange, Annulus Pump Out Port, LIGO Vacuum Equipment
D970353-01-V Process Systems Int'l, Inc.	V049-4-064, Rev 1	7/31/96 60.5" I.D. x 68.25" O. D. Flange Det. (Be -3/BE -3A) (Flat Faced), LIGO Vacuum Equipment
D970354-03-V Process Systems Int'l, Inc.	V049-4-067, Rev 3	4/25/97 61.31" I.D. x 72.25" O.D., BE-3A Flange (Grooved), LIGO Vacuum Equipment
D970355-01-V Process Systems Int'l, Inc.	V049-4-070, Rev 1	7/31/96 48.81" I.D. x 68.25" O.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D970356-00-V Process Systems Int'l, Inc.	V049-4071, Rev 0	7/31/96 48.81" I.D. x 80" O.D. Flange Detail w/ OBS Ports (Flat Faced), LIGO Vacuum Equipment
D970357-00-V Process Systems Int'l, Inc.	V049-4-076, Rev 0	4/18/97 PS-5 Pipe Support Detail, 80K Large Cryopump, Corner Station, LIGO Vacuum Equipment
D970358-01-V Process Systems Int'l, Inc.	V049-4-080, Rev 1	4/18/97 Shipping Cover Assembly without Filter Assembly, LIGO Vacuum Equipment
D970359-01-V Process Systems Int'l, Inc.	V049-4-081, Rev 1	10/8/9648 1/4" I.D. Flange Detail (Grooved) with Slots, LIGO Vacuum Equipment
D970360-00-V Process Systems Int'l, Inc.	V049-4-082, Rev 0	4/28/97/PS-6 Pipe Support Detail, Backing Pumps, LIGO Vacuum Equipment'
D970361-00-V Process Systems Int'l, Inc.	V049-4-087, Rev 0	7/31/9661.06" I.D. x 80" O.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D970362-02-V Process Systems Int'l, Inc.	V049-4-090, Rev 2	10/28/9680K Pump Reservoir Short-Right, LIGO Vacuum Equipment
D970363-00-V Process Systems Int'l, Inc.	V049-4-175, Rev 0	10/31/96Assembly, Repressurization Cart, 100CFM Chamber Re-Pressurization System, LIGO Vacuum Equipment
D970363-01-V Process Systems Int'l, Inc.	V049-4-175, Rev 1	6/15/97/200CFM, Back to Air Cart, Assembly - Chamber Re-Pressurization System, LIGO Vacuum Equipment
D970364-01-V Process Systems Int'l, Inc.	V049-4-176, Rev 1	6/13/97/14 KW Regen Heater Assembly with 4" Flange, LIGO Vacuum Equipment
D970365-00-V Process Systems Int'l, Inc.	V049-4-082, Rev 0	4/28/97/PS-6 Pipe Support Detail, Backing Pumps, LIGO Vacuum Equipment
D970365-01-V Process Systems Int'l, Inc.	V049-4-177, Rev 1	6/13/97/28KW Regen Heater Assembly with 6" Flange, LIGO Vacuum Equipment
D970366-01-V Process Systems Int'l, Inc.	V049-4-177, Rev 1	6/13/97/Regen Heater Shell 4" Flange, LIGO Vacuum Equipment
D970367-01-V Process Systems Int'l, Inc.	V049-4-179, Rev 1	6/13/97/Regen Heater Shell 6" Flange, LIGO Vacuum Equipment
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D970368-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970374-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970374-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/978" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A2, Rev 3	4/11/97 12" O.D. C.F. Blank x 25KF, Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970374-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970379-03-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A74, Rev 3	4/11/97 12° O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8° O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2° O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 Adapter A-2, 48.25° I.D. x 72.25° I.D., LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970374-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970379-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A74, Rev 3 V049-4-A7A, Rev 3	4/11/97 12" O.D. C.F. Blank x 25KF, Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 Adapter A-2, 48.25" I.D. x 72.25" I.D., LIGO Vacuum Equipment 6/2/97 Adapter A-7A, 60.50" I.D. x 72.25" I.D., LIGO Vacuum Equipment 5/9/97 Adapter A-7B, 60.50" I.D. x 72.25" I.D., LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970379-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A7A, Rev 3 V049-4-A7B, Rev 2 V049-4-BE1, Rev 3	4/11/97 12" O.D. C.F. Blank x 25KF, Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 4/22/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 Adapter A-2, 48.25" I.D. x 72.25" I.D. x IGO Vacuum Equipment 6/2/97 Adapter A-7A, 60.50" I.D. x 72.25" I.D., LIGO Vacuum Equipment 5/9/97 Adapter A-7B, 60.50" I.D. x 72.25" I.D., LIGO Vacuum Equipment 6/2/97 Spool BE1, 72.25" I.D., LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A7A, Rev 3 V049-4-A7A, Rev 3 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/978" O.D. C.F Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. C.F., LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 Spool BE1, 72.25" I.D., LIGO Vacuum Equipment 6/2/97 Spool BE1, 72.25" I.D., LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A75, Rev 3 V049-4-A7A, Rev 3 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5 V049-5-003, Rev 0	4/11/97 12" O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/978" O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10" O.D. Tube x 12" O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 1 1/2" O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, One Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 Spool BE-6, 72.25" I.D., LIGO Vacuum Equipment 6/2/97 Spool BE-6, 72.25" I.D., LIGO Vacuum Equipment 6/2/97 Spool BE-6, 72.25" I.D., LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc. D970384-00-V Process Systems Int'l, Inc. D970384-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-A7A, Rev 3 V049-4-A7A, Rev 3 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5 V049-5-003, Rev 0	4/11/97 12° O.D. C.F. Blank x 25KF, Turbo Cart Conn, LIGO Vacuum Equipment 4/11/97 8° O.D. C.F. Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/25/97 BSC-Annulus Tube Support, 1 1/2° O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/29/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/29/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/29/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/29/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/29/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/29/97 Adapter A-2, 48.25° I.D. x 72.25° I.D., LIGO Vacuum Equipment 6/26/97 Adapter A-7, 60.50° I.D. x 72.25° I.D., LIGO Vacuum Equipment 5/9/97 Adapter A-7B, 60.50° I.D. x 72.25° I.D., LIGO Vacuum Equipment 5/9/97 Spool BE1, 72.25° I.D., LIGO Vacuum Equipment 5/20/97 Spool BE1, 72.25° I.D., LIGO Vacuum Equipment 5/20/97 Spool BE6, 72.25° I.D., LIGO Vacuum Equipment 1/1/3/97 Equipment Arrangement Plan, Corner Station, Louisiana, LIGO Vacuum Equipment 1/1/3/97 Equipment Arrangement, Right End Station, Louisiana, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970379-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc. D970385-00-V Process Systems Int'l, Inc. D970385-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-304, Rev 0 V049-4-305, Rev 0 V049-4-305, Rev 3 V049-4-A7A, Rev 3 V049-4-A7B, Rev 2 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5 V049-5-003, Rev 0 V049-5-008, Rev 0	4/11/97 12° O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/978' O.D. C.F. Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/12/97 Turbo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/22/97 BSC-Annulus Tube Support, 11/2° O.D. Annulus Header, LIGO Vacuum Equipment 3/29/97 BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97 HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Done Door, LIGO Vacuum Equipment 6/2/97 BSC - Test & Ship Assembly, Done Door, LIGO Vacuum Equipment 6/2/97 BAG - Test & Ship Assembly, Done Door, LIGO Vacuum Equipment 6/2/97 Adapter A-2, 48.25° I.D. x 72.25° I.D., LIGO Vacuum Equipment 6/2/97 Adapter A-7A, 60.50° I.D. x 72.25° I.D., LIGO Vacuum Equipment 6/2/997 Adapter A-7B, 60.50° I.D. x 72.25° I.D., LIGO Vacuum Equipment 6/2/997 Spool BE-1, 72.25° I.D., LIGO Vacuum Equipment 6/2/997 Spool BE-6, 72.25° I.D., LIGO Vacuum Equipment 1/1/3/97 Equipment Arrangement Plan, Corner Station, Louisiana, LIGO Vacuum Equipment 1/1/3/97 Equipment Arrangement, Light End Station, Louisiana, LIGO Vacuum Equipment 2/10/97 Equipment Arrangement, Light End Station, Louisiana, LIGO Vacuum Equipment
D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970379-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc. D970385-00-V Process Systems Int'l, Inc. D970386-00-V Process Systems Int'l, Inc. D970386-00-V Process Systems Int'l, Inc.	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-305, Rev 0 V049-4-A7A, Rev 3 V049-4-A7B, Rev 2 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5 V049-5-003, Rev 0 V049-5-009, Rev 0 V049-5-033, Rev 0	4/11/97 12 O.D. C.F. Blank x 25KF Turbo Cart Conn, LIGO Vacuum Equipment 4/11/978 O.D. CF Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/25/97 Turbo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/22/97BSC-Annulus Tube Support, 11/2° O.D. Annulus Header, LIGO Vacuum Equipment 3/22/97BSC Air Filter Assembly for Shipping Only, LIGO Vacuum Equipment 4/22/97HAM Annulus Tube Shipping Support, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, Two Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 6/2/97BSC - Test & Ship Assembly, On Door, LIGO Vacuum Equipment 1/1/3/97Equipment Arrangement Plan, Corner Station, Louisiana, LIGO Vacuum Equipment 1/1/3/97Equipment Arrangement, Right End Station, Louisiana, LIGO Vacuum Equipment 1/1/3/97Equipment Arrangement, Corner Station, Louisiana, LIGO Vacuum Equipment 1/1/3/97Goupment Arrangement, Corner Station, Louisiana, LIGO Vacuum Equipment
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D970368-00-V Process Systems Int'l, Inc. D970369-00-V Process Systems Int'l, Inc. D970370-00-V Process Systems Int'l, Inc. D970371-00-V Process Systems Int'l, Inc. D970372-00-V Process Systems Int'l, Inc. D970373-00-V Process Systems Int'l, Inc. D970375-00-V Process Systems Int'l, Inc. D970376-00-V Process Systems Int'l, Inc. D970377-00-V Process Systems Int'l, Inc. D970378-03-V Process Systems Int'l, Inc. D970380-02-V Process Systems Int'l, Inc. D970381-03-V Process Systems Int'l, Inc. D970382-05-V Process Systems Int'l, Inc. D970383-00-V Process Systems Int'l, Inc. D970385-00-V Process Systems Int'l, Inc. D970386-00-V Process Systems Int'l, Inc. D970387-00-V Process Systems Int'l, Inc. D970389-00-V Process Systems Int'l, Inc. D970390-00-V Process Systems Int'l, Inc. D970391-00-V Process Systems Int'l, Inc. D970392-00-V Process Systems Int'l, Inc. D970394-00-V Process Systems Int	V049-4-195, Rev. 0 V049-4-196, Rev 0 V049-4-197, Rev 0 V049-4-203, Rev 0 V049-4-204, Rev 0 V049-4-206, Rev 0 V049-4-302, Rev 0 V049-4-303, Rev 0 V049-4-305, Rev 0 V049-4-305, Rev 0 V049-4-A7A, Rev 3 V049-4-A7A, Rev 3 V049-4-BE1, Rev 3 V049-4-BE6, Rev 5 V049-5-003, Rev 0 V049-5-009, Rev 0 V049-5-034, Rev 0 V049-5-035, Rev 0 V049-5-037, Rev 0 V049-5-041, Rev 0 V049-5-041, Rev 0 V049-5-042, Rev 0 V049-5-043, Rev 0	4/11/97/8° O.D. C. Blank x 25KF Tubo Cart Conn, LIGO Vacuum Equipment 4/12/97/8° O.D. C. Blank x 25KF, Roughing Cart Conn, LIGO Vacuum Equipment 4/12/97/Tubo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/12/97/Tubo Pump Vibration Bellows Assembly, 10° O.D. Tube x 12° O.D. CF, LIGO Vacuum Equipment 4/12/97/BSC Annulus Tube Support, 11/2° O.D. Annulus Header, LIGO Vacuum Equipment 5/12/97/BSC Ar Filer Assembly for Shipping Only, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, No Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/12/97/BSC - Test & Ship Assembly, Three Door, LIGO Vacuum Equipment 6/13/97/Equipment Arrangement Plan, Corner Station, Louisiana, LIGO Vacuum Equipment 6/13/97/Equipment Arrangement, Left End Station, Louisiana, LIGO Vacuum Equipment 6/13/97/BSC - Test & Ship Assembly Test Shipment 6/13/97/BSC - Test Ship Assembly Test Shipment Shipment Test Shipment, Ligot Test Shipment Assembly Test Shipment Assembly Test Shipment Assembly Test Shipment Assembly Test Shipment Test Shipment Test Shipment Test Shipment Test

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Document No Full Name	ContractorDocNo	Doc Dt Full Title
D970397-00-V Process Systems Int'l, Inc.	V049-5-046, Rev 0	1/13/97 Piping Arrangement, Plan, Left End Station, Louisiana, LIGO Vacuum Equipment
D970398-00-V Process Systems Int'l, Inc.	V049-5-047, Rev 0	1/13/97 Piping Arrangement, Elevation, Left End Station, Louisiana, LIGO Vacuum Equipment
D970399-00-V Process Systems Int'l, Inc.	V049-5-048, Rev 0	1/13/97 Piping Arrangement, Sections, Left End Station, Louisiana, LIGO Vacuum Equipment
D970400-00-V Process Systems Int'l, Inc.	V049-5-050, Rev 0	4/17/97 Survey Benchmark Layout, Corner Station, Washington, LIGO Vacuum Equipment
D970401-00-V Process Systems Int'l, Inc.	V049-5-051, Rev 0	4/17/97 Survey Benchmark Layout, Right/Left Mid Stations, Washington, LIGO Vacuum Equipment
D970402-00-V Process Systems Int'l, Inc.	V049-5-052, Rev 0	4/17/97 Survey Benchmark Layout, Right/Left End Stations, Washington, LIGO Vacuum Equipment
D970403-00-V Process Systems Int'l, Inc.	V049-4-091, Rev 0	10/22/96 80K Pump Reservoir-Short-Left, LIGO Vacuum Equipment
D970404-01-V Process Systems Int'l, Inc.	V049-4-092, Rev 1	11/11/9680K Pump Reservoir-Long-Left, LIGO Vacuum Equipment
D970405-00-V Process Systems Int'l, Inc.	V049-4-093, Rev 0	11/11/9680K Pump Reservoir-Long-Right, LIGO Vacuum Equipment
D970406-02-V Process Systems Int'l, Inc.	V049-4-094, Rev 2	2/2/97 80K Pump Reservoir Support Asssembly-Short-Left and Right, LIGO Vacuum Equipment
D970407-02-V Process Systems Int'l, Inc.	V049-4-095, Rev 2	2/2/97 80K Pump Reservoir Support Assembly Long - Left & Right, LIGO Vacuum Equipment
D970408-01-V Process Systems Int'l, Inc.	V049-4-096, Rev 1	10/9/96 72 1/4" I.D. Flange Detail (Grooved)(.375 Thk. Shell), LIGO Vacuum Equipment
D970409-01-V Process Systems Int'l, Inc.	V049-4-097, Rev 1	5/14/97 60.50" I.D. Flange Detail (Flat Faced), LIGO Vacuum Equipment
D970410-02-V Process Systems Int'l, Inc.	V049-4-098, Rev 2	5/14/97 60.50" I.D. Flange Detail (Flat Faced) with Slots, LIGO Vacuum Equipment
D970411-00-V Process Systems Int'l, Inc.	V049-4-099, Rev 0	7/31/96 70 1/4" I.D. Flange Detail (Flat Faced) with Slots, LIGO Vacuum Equipment
D970412-01-V Process Systems Int'l, Inc.	V049-4-101, Rev 1	1/27/97 BSC Overall Assembly, LIGO Vacuum Equipment
D970413-01-U Process Systems Int'l, Inc.	V049-4-106, Rev 1	6/5/97 25 Annulus Tubing ISO, 44: Gate Valve Type III, LIGO Vacuum Equipment
D970414-02-V Process Systems Int'l, Inc.	V049-4-107, Rev 2	6/5/97 25 Ion Pump Valve Support, LIGO Vacuum Equipment
D970415-01-V Process Systems Int'l, Inc.	V049-4-108, Rev 1	6/5/97 25 Annulus Tubing ISO, 48" Gate Valve Type I, LIGO Vacuum Equipment
D970416-03-V Process Systems Int'l, Inc.	V049-4-109, Rev 3	6/6/97 Annulus Tubing and Ion Pump Assembly, 44" Gate Valve, LIGO Vacuum Equipment
D970417-01-V Process Systems Int'l, Inc.	V049-4-110, Rev 1	6/5/97 25 Annulus Tubing ISO, 48" Gate Valve Type II, LIGO Vacuum Equipment
D970418-03-V Process Systems Int'l, Inc.	V049-4-114, Rev 3	4/11/97 80K Pump Shield Detail Assembly - Long, Right Hand & Left Hand, LIGO Vacuum Equipment
D970419-03-V Process Systems Int'l, Inc.	V049-4-117, Rev 3	4/14/97 80K Pump Shield Detail Assembly - Short, Right Hand & Left Hand, LIGO Vacuum Equipment
D970420-03-V Process Systems Int'l, Inc.	V049-4-118, Rev 3	1/4/97 80K Pump Weldment, Long - Left, LIGO Vacuum Equipment
D970421-02-V Process Systems Int'l, Inc.	V049-4-119, Rev 2	1/4/97 80K Pump Weldment, Long - Right, LIGO Vacuum Equipment
D970422-01-V Process Systems Int'l, Inc.	V049-4-120, Rev 1	12/9/96 80K Pump Wledment, Short - Right, LIGO Vacuum Equipment
D970423-00-V Process Systems Int'l, Inc.	V049-4-121, Rev 3	1/3/97 80K Pump Weldment, Short - Right, LIGO Vacuum Equipment
D970424-01-V Process Systems Int'l, Inc.	V049-4-122, Rev 1	A/F/07/PSC 75 L/S log Divery Curport L/CO Voquiya Equipment
D370424-01-V 100633 Systems inti, inc.	V049-4-122, Rev 1	4/5/97 BSC - 75 L/S Ion Pump Support, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc.	V049-4-123, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc.	V049-4-123, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment
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D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-142, Rev 2	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-142, Rev 2 V049-4-133, Rev 3	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-132, Rev 1 V049-4-142, Rev 2 V049-4-133, Rev 3 V049-4-132, Rev 3	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/27/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 3 V049-4-136, Rev 1 V049-4-137, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/27/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970434-01-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-132, Rev 1 V049-4-132, Rev 2 V049-4-133, Rev 3 V049-4-135, Rev 2 V049-4-136, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84* I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2* O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97 BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 3 V049-4-136, Rev 1 V049-4-137, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/27/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-132, Rev 1 V049-4-132, Rev 1 V049-4-133, Rev 3 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 15 1/2" O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/27/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97 BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/11/4/968 Weldment, BSC Style &2, LIGO Vacuum Equipment 1/11/4/968 Weldment, BSC Style &3, LIGO Vacuum Equipment 1/11/4/968 Weldment, BSC Style &3, LIGO Vacuum Equipment 1/11/4/968 Weldment, BSC Style &3, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-01-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-133, Rev 3 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 R84** L.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96 44 5/8** I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2** O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/8/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97 BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 4/22/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97 BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 10/28/9680K Pump Leg Assembly - Long, LIGO Vacuum Equipment 10/28/9680K Pump Leg Assembly - Short, LIGO Vacuum Equipment 10/28/9680K Pump Leg Assembly - Short, LIGO Vacuum Equipment 9/20/9660.5** I.D. x 68.25** O.D. Flange Detail (BE-#A) (Flat Faced), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970441-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-132, Rev 1 V049-4-132, Rev 1 V049-4-133, Rev 3 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0	4/5/97[HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96[Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97[84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96[HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96[HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96[44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96[61 1/2" O. D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97[BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97[BSC Clean Room Meldment, Style #1 & 3, LIGO Vacuum Equipment 5/20/97[BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97[Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/2/297[Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Short, LIGO Vacuum Equipment 1/2/96[60.5" I.D. X 68.25" O.D. Flange Detail (BE-#A) (Flat Faced), LIGO Vacuum Equipment 9/2/09/660.5" I.D. X 68.25" O.D. Flange Detail (BE-#A) (Flat Faced), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970441-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 0 V049-4-145, Rev 0 V049-4-146, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97 84* 1.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96 HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96 HAM Annulus Flex Hose, LIGO Vacuum Equipment 11/8/96 44 5/8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/8/96 45 /8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96 16 1/2* O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/8/97 Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97 BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/1/14/96 BOK Pump Leg Assembly - Short, LIGO Vacuum Equipment 10/28/96 BOK Pump Leg Assembly - Short, LIGO Vacuum Equipment 10/28/96 BOK Pump Leg Assembly - Short, LIGO Vacuum Equipment 9/20/96 BOK Pump Leg Assembly - Short, LIGO Vacuum Equipment 11/21/97 Head/Nozzle Details, Long-Left/Short-Right, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970441-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-144, Rev 0	4/5/97[HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/96[Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/97[84" I.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96[HAM Shell Weldment, LIGO Vacuum Equipment 7/29/96[HAM Annulus Flex Hose, LIGO Vacuum Equipment 10/8/96[44 5/8" I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 11/22/96[61 1/2" O. D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97[BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97[BSC Clean Room Meldment, Style #1 & 3, LIGO Vacuum Equipment 5/20/97[BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97[Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/2/297[Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/1/496[80K Pump Leg Assembly - Short, LIGO Vacuum Equipment 1/2/96[60.5" I.D. X 68.25" O.D. Flange Detail (BE-#A) (Flat Faced), LIGO Vacuum Equipment 9/2/09/660.5" I.D. X 68.25" O.D. Flange Detail (BE-#A) (Flat Faced), LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 0 V049-4-146, Rev 1 V049-4-147, Rev 1 V049-4-147, Rev 1 V049-4-148, Rev 1	4/5/97HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/98Bellow Tine-Rod Assembly, LIGO Vacuum Equipment 1/12/98HAM Shell Weldment, LIGO Vacuum Equipment 1/22/98HAM Shell Weldment, LIGO Vacuum Equipment 1/22/98HAM Annulus Flex Hose, LIGO Vacuum Equipment 1/22/98HAM Annulus Flex Hose, LIGO Vacuum Equipment 1/22/98HAM Annulus Flex Hose, LIGO Vacuum Equipment 1/22/98HAM Shell Weldment, Box Fump (Grooved), LIGO Vacuum Equipment 1/22/99H 5/2 *O.D. Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97BSC Clean Room Assembly, BSC Style 1 & 3, LIGO Vacuum Equipment 5/20/97BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 5/20/97BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/22/97Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Clean Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Flacon Room Structure Weldment, BSC Style &2, LIGO Vacuum Equipment 1/22/97Flacon Room Structure Reduction Equipm
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-132, Rev 1 V049-4-133, Rev 3 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 0 V049-4-146, Rev 1 V049-4-147, Rev 1	4/5/97HAM - 75 L/S ton Pump Support, LIGO Vacuum Equipment 9/11/96Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/9784 T.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 18/29/96HAM Shell Weldment, LIGO Vacuum Equipment 18/29/96HAM Shell Weldment, Bore LIGO Vacuum Equipment 18/29/97HBSC Clean Room Assembly, Bear Splitter Chamber (BSC), LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 18/29/97HBSC Clean Room Assembly, Bear Splitter Chamber, Style #2, LIGO Vacuum Equipment 18/29/97Clean Room Structure Weldment, Style #1 & 3, LIGO Vacuum Equipment 18/29/97Clean Room Microtructure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 18/29/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &3, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &3, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &4, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &4, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean R
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc. D970446-00-V Process Systems Int'l, Inc. D970446-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 0 V049-4-146, Rev 1 V049-4-147, Rev 1 V049-4-147, Rev 1 V049-4-148, Rev 1	4/5/97 HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/98 Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 10/21/98 HAM Shell Weldment, LIGO Vacuum Equipment 10/21/98 HAM Shell Weldment, LIGO Vacuum Equipment 17/29/98 HAM Annulus Flex Hose, LIGO Vacuum Equipment 17/29/98 HAM Annulus Flex Hose, LIGO Vacuum Equipment 11/28/98 HAM Shell Weldment, LIGO Vacuum Equipment 11/28/98 HAM Annulus Flex Hose, LIGO Vacuum Equipment 11/28/98 HAM Annulus Flex Hose, LIGO Vacuum Equipment 11/28/98 HAM Annulus Flex Hose, LIGO Vacuum Equipment 11/28/98 In Jer Shell Sold Ligo Room Assembly, BSC Style 18, 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, BSC Style 18, 3, LIGO Vacuum Equipment 5/20/97 BSC Clean Room Assembly, Beam Splitter Chamber, Style #2, LIGO Vacuum Equipment 4/8/97 Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97 (BSC Clean Room Weldment, Style #2, LIGO Vacuum Equipment 4/22/97 BSC Clean Room Weldment, BSC Style 82, LIGO Vacuum Equipment 1/14/98 BSC Pump Leg Assembly - Horizontal Access Module (HAM), LIGO Vacuum Equipment 1/14/98 KP Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/12/89/98 KP Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/12/19/98 KP Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/12/19/98 KP Pump Leg Assembly - Long LIGO Vacuum Equipment 1/12/19/98 Real/Nozzle Details, Long-Left/Short-Right, LIGO Vacuum Equipment 1/12/19/98 Real/Nozzle Details, Long-Left/Short-Right, LIGO Vacuum Equipment 1/12/19/97 Head/Nozzle Details, Long-Left/Short-Left, LIGO Vacuum Equipment 1/12/97/98 Real/Nozzle Details, Long-Left/Short-Left, LIGO Vacuum Equipment 1/12/97/98 Real/Nozzle Details, Long-Left/Short-Left, LIGO Vacuum Equipment 1/12/97/98 Real/Nozzle Details, Long-Left/Short-Left, LIGO Vacuum Equipment 1/12/98/98 Bellows Tie-Rod Assembly, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970438-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc.	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 0 V049-4-146, Rev 1 V049-4-147, Rev 1 V049-4-148, Rev 1 V049-4-148, Rev 0	4/5/97HAM - 75 L/S ton Pump Support, LIGO Vacuum Equipment 9/11/96Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 4/8/9784 T.D. Access Cover, Horizontal Access Module (HAM), LIGO Vacuum Equipment 10/21/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 17/29/96HAM Shell Weldment, LIGO Vacuum Equipment 18/29/96HAM Shell Weldment, LIGO Vacuum Equipment 18/29/96HAM Shell Weldment, Bore LIGO Vacuum Equipment 18/29/97HBSC Clean Room Assembly, Bear Splitter Chamber (BSC), LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, Style #1 & 3, LIGO Vacuum Equipment 18/29/97HBSC Clean Room Assembly, Bear Splitter Chamber, Style #2, LIGO Vacuum Equipment 18/29/97Clean Room Structure Weldment, Style #1 & 3, LIGO Vacuum Equipment 18/29/97Clean Room Microtructure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 18/29/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &2, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &3, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &3, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &4, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &4, LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean Room Weldment, BSC Style &5, CD, Flange Detail (LIGO Vacuum Equipment 18/29/97BSC Clean R
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc. D970446-00-V Process Systems Int'l, Inc. D970447-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-137, Rev 1 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 1 V049-4-146, Rev 1 V049-4-146, Rev 1 V049-4-148, Rev 1 V049-4-158, Rev 0 V049-4-158, Rev 0 V049-4-159, Rev 0	4/8/07/HAM - 75 LVS Ion Pump Support, LIGO Vacuum Equipment 9/11/98Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 1/8/07/84* I.D. Access Cover, Horizonial Access Module (HAM), LIGO Vacuum Equipment 1/8/07/84* I.D. Access Cover, Horizonial Access Module (HAM), LIGO Vacuum Equipment 1/8/08644 5/8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 1/8/08644 5/8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 1/8/08644 5/8* I.D. Flange Detail, 80 K Pump (Grooved), LIGO Vacuum Equipment 5/8/09/785C Clean Roam Assembly, BSC Syle 1 & 3, LIGO Vacuum Equipment 5/8/09/785C Clean Roam Assembly, BSC Syle 1 & 3, LIGO Vacuum Equipment 5/8/09/785C Clean Roam Weldment, Syle #1 & 3, LIGO Vacuum Equipment 4/8/07/Clean Room Assembly, Horizontial Access Module (HAM), LIGO Vacuum Equipment 4/8/07/Clean Room Structure Weldment, Horizontial Access Module (HAM), LIGO Vacuum Equipment 4/8/29/Glean Room Structure Weldment, Horizontial Access Module (HAM), LIGO Vacuum Equipment 1/11/49680K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/11/49680K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/11/49680K Pump Leg Assembly - Long, LIGO Vacuum Equipment 1/12/19/Head/Nozzle Details, Long-Let/Shro-Flight, LIGO Vacuum Equipment 1/12/19/Head/Nozzle Details, Long-Let/Shro-Flight, LIGO Vacuum Equipment 1/12/19/97/Head/Nozzle Details, Long-Right/Short-Left, LIGO Vacuum Equipment 1/12/19/96/Bolow Tie-Rod Assembly, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970442-01-V Process Systems Int'l, Inc. D970445-00-V Process Systems Int'l, Inc. D970446-00-V Process Systems Int'l, Inc. D970447-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int'l, Inc. D970449-01-V Process Systems Int	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-137, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 1 V049-4-146, Rev 1 V049-4-146, Rev 1 V049-4-148, Rev 1 V049-4-158, Rev 0 V049-4-159, Rev 0 V049-4-159, Rev 0 V049-4-161, Rev 0	4/597/HAM - 75 L/S Ion Pump Support, LIGO Vacuum Equipment 9/11/98/Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 10/21/98/HAM Shell Weldment, LIGO Vacuum Equipment 10/21/98/HAM Shell Weldment, LIGO Vacuum Equipment 10/21/98/HAM Annulus Fiest Hose, LIGO Vacuum Equipment 10/29/98/HAM Siest IW Conflat Reducing Flagnes, Beam Splitter Chamber (BSC), LIGO Vacuum Equipment 5/20/97/98/SC Clean Room Assembly, BSC Siyle 1 & 3, LIGO Vacuum Equipment 5/20/97/98/SC Clean Room Assembly, BSC Siyle 1 & 3, LIGO Vacuum Equipment 5/20/97/98/SC Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/29/97/Clean Room Assembly, Horizontal Access Module (HAM), LIGO Vacuum Equipment 4/22/97/Clean Room Structure Weldment, Horizontal Access Module (HAM), LIGO Vacuum Equipment 5/27/97/98/SC Clean Room Weldment, BSC Siyle 8/2, LIGO Vacuum Equipment 10/28/98/98/O Pump Leg Assembly - Short, LIGO Vacuum Equipment 10/28/98/98/O Si ID, x 88.25° CID, Flange Detail (BE-HA) (Flat Faced), LIGO Vacuum Equipment 10/28/98/98/O Si ID, x 88.25° CID, Flange Detail (BE-HA) (Flat Faced), LIGO Vacuum Equipment 11/21/97/Head/Nozzie Details, Long-Left/Short-Right, LIGO Vacuum Equipment 11/21/97/Head/Nozzie Details, Long-Left/Short-Right, LIGO Vacuum Equipment 11/27/97/Seldot Vacuum Equipment 11/27/98/Seldows Tie-Rod Assembly, LIGO Vacuum Equipment
D970425-01-V Process Systems Int'l, Inc. D970426-00-V Process Systems Int'l, Inc. D970427-03-V Process Systems Int'l, Inc. D970428-03-V Process Systems Int'l, Inc. D970429-00-V Process Systems Int'l, Inc. D970430-01-V Process Systems Int'l, Inc. D970430-02-V Process Systems Int'l, Inc. D970431-03-V Process Systems Int'l, Inc. D970432-03-V Process Systems Int'l, Inc. D970433-02-V Process Systems Int'l, Inc. D970435-01-V Process Systems Int'l, Inc. D970436-02-V Process Systems Int'l, Inc. D970437-00-V Process Systems Int'l, Inc. D970443-00-V Process Systems Int'l, Inc. D970440-00-V Process Systems Int'l, Inc. D970443-01-V Process Systems Int'l, Inc. D970444-01-V Process Systems Int'l, Inc. D970446-00-V Process Systems Int'l, Inc. D970448-00-V Process Systems Int	V049-4-123, Rev 1 V049-4-124, Rev 0 V049-4-127, Rev 3 V049-4-129, Rev 3 V049-4-129, Rev 0 V049-4-132, Rev 1 V049-4-133, Rev 2 V049-4-135, Rev 2 V049-4-136, Rev 1 V049-4-138, Rev 2 V049-4-138, Rev 2 V049-4-140, Rev 0 V049-4-141, Rev 0 V049-4-144, Rev 0 V049-4-145, Rev 1 V049-4-145, Rev 1 V049-4-145, Rev 1 V049-4-146, Rev 1 V049-4-148, Rev 1 V049-4-158, Rev 0 V049-4-159, Rev 0 V049-4-161, Rev 0 V049-4-161, Rev 0 V049-4-164, Rev 0 V049-4-164, Rev 2 V049-4-164, Rev 2 V049-4-165, Rev 1	4/8/97/EAM - 7.5 LLS fon Pump Support, LIGO Vacuum Equipment 9/11/98/Bellow Tie-Rod Assembly, LIGO Vacuum Equipment 1/8/97/EAM Dell Wedment, LIGO Vacuum Equipment 1/8/97/EAM Dell Wedment, LIGO Vacuum Equipment 1/8/97/EAM Shell Wedment, LIGO Vacuum Equipment 1/8/98/EAM Shell Wedment, LIGO Vacuum Equipment 1/8/98/EAM Annulus Fize Nose, LIGO Vacuum Equipment 1/8/98/EAM EAM EAM EAM EAM EAM EAM EAM EAM EAM
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
D970453-00-V	GNB	V049-8-619	5/21/97 Outline, Gate Valve, G4BESB - Weld/Weld (GNB #103849-01)
D970453-E-V	GNB	V049-8-619, Rev E	7/25/97 Outline, Gate Valve, G4BESB - Weld/Weld (GNB #103849-01)
D970453-E-V	Process Systems Int'l, Inc.	V049-8-619, Rev E	7/25/97 Outline, Gate Valve, G4BESB - Weld/Weld (GNB #103849-01)
D970504-A-D	Craig Conley		8/4/97 Recycling Mirror Blank
D970548-01-V	Process Systems Int'l, Inc.	V049-3-006, Rev 1	11/25/96 Electrical Installation Details - LIGO Vacuum Equipment, Hanford & Livingston
D970579-03-V	Process Systems Int'l, Inc.	V049-3-205, Rev 3	5/12/97 Electrical Conduit Stub-Up Plan, LIGO Vacuum Equipment, Washington Site, Left Mid Station
D971054-00-V	Process Systems Int'l, Inc.	V049-3-003, Rev 0	2/24/97 Livingston Preliminary Design Review (PDR), Vacuum Equipment - Overall I/E Site Plan
E930001-00-B	Rick Prior		12/7/93WPS for Outgassing Test Coupons
E930002-00-B	Marty Tellalian		12/9/93 Cleaning Procedure for Outgas Test Coupons, CLCOUP - Rev. 0
	Ken Flessas		12/10/93Weld Coupon Testing, WMS-ER30BL - Rev. 0 and CLCOUP - Rev. 0
E930004-01-B	Ken Flessas		12/14/93Cleaning of Welded and Plain Coupons for Outgassing Tests, CLCOUP - Rev. 1
E930005-02-B	Charles Sherlock		12/15/93Cleaning of Welded and Plain Coupons for Outgassing Tests, CLCOUP - Rev. 2
E930006-03-B	Charles Sherlock		12/28/93Cleaning of Welded and Plain Coupons for Outgassing Tests, CLCOUP - Rev. 3
E940001-01-C			11/1/94Pre-Stabilized Laser Controls (Subsystem Requirements Specification) (old #Cl0001-REQ)
	John Worden		12/7/94 Vacuum Equipment Specification-LIGO Facility (Old LIGO #1100003)
	John Worden		3/28/95 Vacuum Equipment Specification-LIGO Facility (Old LIGO #1100003), Revision 1.
	John Worden		8/18/95 Vacuum Equipment Specification-LIGO Facility (Old LIGO #1100003), Revision 2
-	Conrad Knerr		5/31/94 Dried Inlet Air and FC Outlet DP
E940004-00-M			10/27/94 Baseline-1, DRAFT (old #LIGO-1001055)
E940005-01-B	Rick Prior		1/3/94 Work Order H1137, WPS-WELDCOUP - Rev. 1,
	Charles Sherlock		1/28/94 Cleaning of Plain Coupons by Alternate Method 0 & 1 for Outgassing Tests, CLCOUPA0 - Draft #1 & CLCOUPA1 - Draft #2
	Charles Sherlock		2/1/94 Cleaning of Plain Coupons by Alternate Method 0 & 1 for Outgassing Tests, CLCOUPA0 - Draft #2 & CLCOUPA1 - Draft #3
	Charles Sherlock		2/3/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Draft #3
	Charles Sherlock		2/4/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Draft #4
	Charles Sherlock		2/14/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Draft #5
	Charles Sherlock		2/14/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Draft #6
	Charles Sherlock		2/15/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Rev. 0
	Charles Sherlock		2/16/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Rev. 0 (pgs. 1,3,4,7)
	Charles Sherlock		2/16/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA1 - Draft #5
-	Charles Sherlock		2/18/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA0 - Rev. 1 & CLCOUPA1 - Rev. 0
	Charles Sherlock		2/21/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA - Draft #1
E940017-00-B	Charles Sherlock		2/23/94 Cleaning of Plain Coupons by Alternate Method 0 for Outgassing Tests, CLCOUPA-Rev. 0, CLCOUPA0-Rev. 2, and CLCOUPA1-Rev. 1
	Paula Morgan		6/7/94 Cleaning of Outgas Coupons, CLCOUP - Rev. 1& Blacklight Inspection Technique and Solvent Cleaning, BL1N - Rev.1
	Warren A. Carpenter		7/11/94 Coupon Outgassing Test Procedure, COUP-02 - Rev. 3
	Warren A. Carpenter		7/22/94 Coupon Outgassing Test Procedure, COUP-02 - Rev. 4
E940021-05-B	Warren A. Carpenter		8/10/94 Coupon Outgassing Test Procedure, COUP-02 - Rev. 5
E940022-00-B	Warren A. Carpenter		7/12/94 Qualfication Test RGA Location
-	Warren A. Carpenter		7/14/94 Qualification Test P&I
E940024-01-B	Warren A. Carpenter		7/22/94 Qualification Test Pumpdown and Outgassing Test Procedure, Rev. 1
E940025-01-B	Warren A. Carpenter		8/2/94 Qualification Test Pumpdown, Bake Out and Outgassing Test Procedure, Rev. 1
E940026-00-B	-		6/29/94LIGO/Tubetec
E940027-00-B			6/17/94WMS-ER308L, Rev. 3 - FOR REVIEW ONLY
E940028-05-B			11/10/94 Circumferential Weld Procedure Revision 5
E940029-00-B			11/21/94 Cleaning Procedure and Assessment Procedures (CLTEST1, CLBLEED1, CLDROP1, CLSAMP1)
E940030-00-B			
E940031-00-B			
E940032-00-B			
E940033-00-B			
E940034-00-B			
E940035-00-B			
E940036-00-B			
E940037-00-B			
E940038-00-B			
E940039-00-B			
E940040-00-B			
E940041-00-B			
E940042-00-B			
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E940043-00-B			
E950000-00-U			3/19/96
E950001-00-U	Jay Heefner		1/10/95 Rack Specifications
E950002-00-U	Jay Heefner		1/10/95 Rack Specifications
E950003-00-U	Jay Heefner		1/10/95 Rack Specifications
E950004-00-U	Jay Heefner		1/23/95 Rack Specifications
E950005-04-D	Bill Althouse		2/27/95 Design Requirements Review - Prestabilized Laser (PSL) and PSL Controls
E950006-00-B			3/22/95 Testing of Concrete Cover for GPS Radio Wave Interference (ALT-GPS)
E950007-00-B	Marty Tellalian		1/4/95 Emergency Procedure Instructions, Outgas Procedure Comments, Baffle Cleaning, Schedule
E950008-00-B	Marty Tellalian		1/5/95 Baffle Cleaning and Support Attachment
E950009-00-B	Marty Tellalian		2/15/95 Monitoring Procedure
E950010-00-B	James A. Johnson		3/14/95 Bellows design calculations
E950011-00-B	L. Reed		4/10/95 Cleaned ER308L Filler Material Specification (WMS-ER308L, Rev. 3)
E950012-00-D	Rick Savage		1/27/95 Technical Specifications - Pathfinder Substrate (old #1207051)
E950012-01-D	Rick Savage		1/27/95 Technical Specifications - Pathfinder Substrate (old #1207051) - Wedge Angle changed to 2 degrees
	Garilynn Billingsley		8/9/95 Technical Specification for Pathfinder Substrate
E950013-0B-B	Larry Jones		Process Specification for Low Hydrogen, Type 304L Stainless Steel Vacuum Products (old Spec. #1100007, dated 5/17/94 - rev. a
E950013-B-B	Larry Jones		
E950014-00-D			4/26/95 Wedge Angle Changes for Test Mass/Ligo Pathfinder (D950020, Rev. B)
E950015-0F-B	Larry Jones		Beam Tube Module Specification (old Spec. #1100004, dated 5/17/94 - rev. E)
E950015-F-B	<u> </u>		
E950016-00-B	Larry Jones		5/11/95 Service Road Width
E950017-00-I			5/15/95 Core Optics Components Interface Definitions
E950018-00-E			5/17/95 LIGO Science Requirements Document (SRD)
E950018-00-E			5/17/95 LIGO Science Requirements Document (SRD)
E950018-02-E			3/25/96 LIGO Science Requirements Document (SRD)
E950018-02-E			3/25/96 LIGO Science Requirements Document (SRD)
E950019-00-O			2/27/95 Beam Tube Enclosure: Functions and Requirements (A discussion document)
E950020-00-B	•		5/22/95 LIGO Beam Tube Module Requirements
E950021-00-B	Rai Weiss		5/22/95 Beam Tube Module Leak Localization Concepts
E950022-02-B			5/23/95 Beam Tube Material Specification
E950023-03-B			5/23/95 Coil Material Bake Specification
E950024-04-B			5/23/95 Cleaned ER308L Filler Material Specification
E950025-01-B			5/23/95 LIGO Beam Tube Sections, Construction Option
E950026-02-B			5/23/95 LIGO Beam Tube Expansion Joints, Construction Option
E950026-04-B		C-EJ-CO	5/9/96LIGO Beam Tube Expansion Joints Construction Option (technical specification C-EJ-CO)
E950026-05-B	Marty Tellalian	C-EJ-CO, Rev. 5	7/26/96LIGO Beam Tube Expansion Joints Construction Option
E950027-03-B			5/23/95 Vacuum Stiffener Fabrication Specification
E950028-02-B			5/23/95 Beam Tube Support Specification
E950029-03-B			5/23/95 Support Ring Fabrication Specification
E950030-04-B	ODI	0.0007.00.0	5/23/95 Pump Port Fabrication Specification, Construction Option
E950030-05-B	CRI	C-PORT-OP, Rev. 5	8/23/86 Pump Port Fabrication Specification
E950031-04-B			5/23/95 Pump Port Reinforcing Pad Fabrication Specification
E950032-15-B			5/23/95 General Welding Procedure SMAW
E950033-14-B			5/23/95 General Welding Procedure GTAW
E950034-15-B			5/23/95 General Welding Procedure GMAW & FCAW 5/23/95 General Welding Procedure GMAW & FCAW 5/23/95 General Welding Procedure GMAW & FCAW
E950035-05-B			5/23/95 Welding Procedure for Expansion Joint to Beam Tube Can Assemblies
E950036-04-B	Morty Tallalian	ED2001 /CTIEFENED	5/23/95 Welding Procedure for Stiffener to Beam Tube Cans
E950036-06-B	iviarty relialian	ER308L/STIFFENER	5/9/96 Welding Procedure Specification (ER308L/STIFFENER) F/32/05 Welding Procedure for 10/0 Veryon Part Neurals to Ream Con Assemblies
E950037-04-B	Morty Tollelies	ED2001 /DODT	5/23/95 Welding Procedure for 10'0 Vacuum Port Nozzle to Beam Can Assemblies 5/0/06 Welding Procedure Specification (ER2081/PORT)
E950037-06-B	ivially relialian	ER308L/PORT	5/9/96 Welding Procedure Specification (ER308L/PORT) 5/9/96 Welding Procedure CMA Welding for 2041 Meterials
E950038-02-B E950039-01-B			5/23/95 Weld Procedure, GMA Welding for 304L Materials 5/23/95 Weld Procedure, GMA for Repair Welding for 304L Materials
E950039-01-B E950039-03-B		ER308L/REPAIR	
E950039-03-B E950040-00-B		EKOUOL/KEPAIK	5/9/96 Welding Procedure Specification (ER308L/REPAIR) 5/9/96 Welding Procedure for Structural (Carbon to Carbon)
E950040-00-B E950041-01-B			5/23/95 Welding Procedure for Structural (Carbon to Carbon) 5/23/95 Welding Procedure for Structural (Stripless to Stripless)
EMOUDAT-01-K			5/23/95 Welding Procedure for Structural (Stainless to Stainless)
E950042-00-B			5/23/95 Welding Procedure for Structural (Carbon to Stainless)

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E950043-00-B			5/23/95 Welding Procedure for Structural (Carbon to Carbon)
E950044-00-B			5/23/95 Welding Procedure for Structural (Carbon to Carbon)
E950045-01-B			5/23/95 Storage and Care of Welding Consumables
E950046-02-B			5/23/95 General Repair Procedure for Materials and Welds
E950047-02-B			5/23/95 Plate Clean-Up Procedure for Tube Modules
E950048-02-B			5/23/95 Beam Tube Can Section Fabrication Sequence
E950049-02-B			5/23/95 Beam Tube Can Section Installation Sequence
E950050-04-B			5/23/95 Fitting/Purge Procedure for Circumferential Butt Welds
E950051-04-B			5/23/95 Fitting/Purge Procedure for Stiffener Attachment Welds
E950052-04-B			5/23/95 Fitting/Purge Procedure for Pump Port Attachment Welds
E950053-01-B			5/23/95 Clean Room Transporting, Storage and Maintenance Procedure
E950054-02-B			5/23/95 Positive Blower/Dryer/Filtration System (BDF) Installation and Maintenance
E950055-00-B			5/23/95 Receipt Inspection
E950056-01-B			5/23/95 Dimensional Control Procedure
E950057-01-B			5/23/95 Final Alignment and Module Testing Sequence
E950058-00-B			5/23/95 Visual Inspection Procedure
E950059-01-B			5/23/95 Visual Inspection Requirements for Beam Tube and Components
E950060-02-B			5/23/95 Blacklight Inspection Technique
E950061-03-B			5/23/95 Cleaning of Outgas Coupons
E950062-01-B			5/23/95 Cleaning of Beam Tube Can Sections
E950063-01-B			5/23/95 Contamination Control for Construction Activities During Beam Tube Installation
E950064-01-B			5/23/95 Final Cleaning & Inspection of Beam Tube Module Inner Surfaces
E950065-00-B			5/23/95 Clean Room Wearing Apparel for Beam Tube Access during Construction Inspection Activity
E950066-01-B			5/23/95 Helium Mass Spectrometer Hood Test of Beam Tube Can Sections
E950066-07-B	CBI	HMST1N, Rev. 7d	2/7/97 Leak Testing Procedure - Helium Mass Spectrometer Hood Test of Beam Tube Sections
E950067-01-B			5/23/95 Helium Mass Spectrometer Hood Test of Closing Weld Joints Between Beam Tube Cans
E950067-06-B	CBI	HMST2N, Rev. 6	2/7/97 Leak Testing Procedures - Helium Mass Spectrometer Hood Test of Closing Weld Joints Between Beam Tube Sections
E950068-01-B			5/23/95 Helium Mass Spectrometer Hood Test of Pump Ports with Valve, LN2 Pump and Blind Flange with RGA Assembly
E950068-05-B	CBI	HMST3N, Rev. 5	2/7/97 Leak Testing Procedure - Helium Mass Spectrometer Hood Test of Pump Ports with Valve
E950069-00-B			5/23/95 RGA Performance Test of Beam Tube Module
E950070-01-B			5/23/95 Helium Mass Spectrometer Hood Test of Beam Tube Module
E950071-00-B			5/23/95 Leak Test Decision Tree
E950072-02-B			5/23/95 Coupon Outgassing Test Procedure Option Phase
E950073-04-B			5/23/95 Initial and Final Alignment During Installation of LIGO Beam Tube Modules Using GPS System
E950074-02-B			5/23/95 Procedure for Alignment Maintenance Using the Global Positioning System (GPS) Technique
E950075-00-U	McMaster-Carr Supp. Co.		
E950076-00-U	McMaster-Carr Supp. Co.		
E950077-00-U	McMaster-Carr Supp. Co.		
E950078-00-U	McMaster-Carr Supp. Co.		
E950079-00-U	McMaster-Carr Supp. Co.		
E950080-00-U	McMaster-Carr Supp. Co.		
E950081-00-I	Alex Abramovici		7/18/95 ND: YAG Laser Specifications
E950081-01-I	Alex Abramovici		8/16/95 ND: YAG Laser Specifications
E950081-02-I	Alex Abramovici		8/18/95 ND: YAG Laser Specifications
E950081-03-I	Alex Abramovici		11/27/95 Nd3+ Laser Specifications
E950081-03-I	David Shoemaker		11/27/95 Nd3+ Laser Specifications
E950081-04-I	David Shoemaker		1/4/96 Nd3+ Laser Specifications
E950081-04-I	Alex Abramovici		1/4/96 Nd3+ Laser Specifications
E950081-05-I	Alex Abramovici		4/24/96 Nd3+ Laser Target Specifications
E950081-05-I	David Shoemaker		4/24/96 Nd3+ Laser Target Specifications
E950081-06-I	Alex Abramovici		8/13/96 Nd3+ Laser Target Specifications
E950081-06-I	David Shoemaker		8/13/96 Nd3+ Laser Target Specifications
E950082-00-E	R. Breault		7/18/95 LIGO Baffle Material Search
E950083-00-E	Albert Lazzarini		7/21/95 LIGO Beam Tube Baffles Requirements Document
E950083-A-E	Albert Lazzarini		2/23/96 Science Requirements for the LIGO Beam Tube Baffles
	Albert Lazzarini		7/9/96 Science Requirements for the LIGO Beam Tube Baffles
E950084-00-E			7/21/95 LIGO System Specification

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E950085-00-E	Albert Lazzarini		9/27/95 LIGO Requirements and Specifications Document Tree
E950085-A-D	Stan Whitcomb		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Mike Zucker		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Rick Savage		9/2/95 Design Requirements Review - Suspension
E950085-A-D	David Shoemaker		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Robert Spero		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Jordan Camp		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Peter Fritschel		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Albert Lazzarini		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Volker Schmidt		9/2/95 Design Requirements Review - Suspension
E950085-A-D	Bill Althouse		9/2/95 Design Requirements Review - Suspension
E950086-A-D	Proposal Review Committee		9/28/95 LIGO Detector Subsystem Review Report on Preliminary Design Review of the PSL
E950087-A-D	Bill Althouse		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Jordan Camp		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Peter Fritschel		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Seiji Kawamura		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Rick Savage		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Volker Schmidt		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Robert Spero		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Rai Weiss		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950087-A-D	Stan Whitcomb		9/28/95 LIGO Detector Subsystem Review Report Design Requirements Review ASC
E950088-00-E	Dennis Coyne		9/28/95 Interface Control Document: Vacuum Equipment-Civil Construction
E950088-00-E	Albert Lazzarini		9/28/95 Interface Control Document: Vacuum Equipment-Civil Construction
E950088-01-E	Albert Lazzarini		11/2/95 Interface Control Document (ICD): Vacuum Equipment (VE) - Civil Construction (CC)
E950088-01-E	Dennis Coyne		11/2/95 Interface Control Document (ICD): Vacuum Equipment (VE) - Civil Construction (CC)
E950088-03-E	Albert Lazzarini		1/10/96 Interface Control Document (ICD): Vacuum Equipment (VE) - Civil Construction (CC)
E950088-03-E	Dennis Coyne		1/10/96 Interface Control Document (ICD): Vacuum Equipment (VE) - Civil Construction (CC)
E950089-00-E	Albert Lazzarini		11/28/95 Interface Control Document ICD): Beam Tube (BT) - Civil Construction (CC)
E950089-00-E	Dennis Coyne		11/28/95 Interface Control Document ICD): Beam Tube (BT) - Civil Construction (CC)
E950089-01-E	Dennis Coyne		11/13/95 Interface Control Document (ICD): Beam Tube (BT) - Civil Construction (CC), Final Draft
E950089-01-E	Albert Lazzarini		11/13/95 Interface Control Document (ICD): Beam Tube (BT) - Civil Construction (CC), Final Draft
E950090-00-E	Dennis Coyne		3/29/95 Interface Control Document ICD): LIGO System & Detector (DET) - Civil Construction (CC)
E950091-00-E	·		4/5/96 Interface Control Document (ICD): LIGO System & Detector (Det) - Vacuum Equipment (VE)
E950092-00-E	Dennis Coyne		1/2/96 Interface Control Document (ICD): Beam Tube (BT) - Vacuum Equipment (VE)
E950092-00-E			1/2/96 Interface Control Document (ICD): Beam Tube (BT) - Vacuum Equipment (VE)
E950095-00-B	,	V049-2-005, Rev. 0	11/13/95 PSI's Specification for 112cm and 122cm Gate Valves
E950098-00-F	·		12/19/95 Operations Support Building (OSB) Requirements
E950098-01-F			12/26/95 Operations Support Building (OSB) Requirements
	Allen Sibley		12/19/95 Operations Support Building (OSB) Requirements
E950099-04-D			8/7/96 Core Optics Components Requirements (1064 nm)
E950101-00-E			11/29/95 Telecommunications Requirements for Hanford, WA Site
E950102-01-B	•	EQT	11/30/95 CBI Equipment Qualification Test for the LIGO Beam Tube Modules
E950103-00-B	17		12/14/95 Hanford Beam Tube Enclosure Construction Bid Package of 21 November 1995
	Garilynn Billingsley		12/15/95 Polishing Specification, Pathfinder
	Garilynn Billingsley		9/4/96 Component Specification - Substrate, End Test Mass
	Garilynn Billingsley		9/20/96 Component Specification - Super Polished Substrate, End Test Mass
E950105-00-B	17		12/20/95 Beam Tube Termination Foundation: Loads Update
E950106-00-E	·		12/26/95LIGO Requirements and Options for Facilities Monitoring and Control Systems (FMCS)
E950106-00-E			12/26/95 LIGO Requirements and Options for Facilities Monitoring and Control Systems (FMCS)
E950107-00-E			12/23/95LIGO Foundation Thickness Decision: Minutes of Integration Meeting on 8 December 1995
E950108-00-E			12/27/95 LIGO Configuration Change to Nd:YAG Lasers: Impact on Facilities Chiller Requirements
E950111-01-E	~		8/30/96 LIGO Naming Conventions
	System Engineering		12/31/96 LIGO Naming Conventions
E950116-00-B	•		12/27/95 CBI's Pump Port Positioning Accuracy
E950117-00-B		DOM/(0.40.400.1	12/14/95 Spiral Weld Pipe Mill Specification
E950118-00-V	• •	BOMV0494001	11/28/95Bill of Material for BSC Prototype
E950119-00-V	DICK CUITIS	V049-2-039	11/28/95 Specifications for Stainless Steel Vessel Heads for LIGO Vacuum Equipment, Hanford and Livingston

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E950120-00-V	Dick Curtis	V049-2-040	11/28/95 Specifications for Stainless Steel Flange Forgings for LIGO Vacuum Equipment, Hanford and Livingston
E950120-02-V	Richard Bagley	V049-2-040, Rev. 2	3/18/96 Specifications for Stainless Steel Flange Forgings for LIGO Vacuum Equipment, Hanford and Livingston
E950121-00-V	Dick Curtis	V049-2-041	11/28/95 Specifications for Stainless Steel Vessel Plate for LIGO Vacuum Equipment, Hanford and Livingston
E960001-00-V	Richard Bagley		1/10/96 Specification for Clean Air Supply Systems, Revision 0
E960002-00-V	Richard Bagley	V049-2-010, Rev. 0	1/10/96 Specification for Portable Soft-Walled Cleanroom, Revision 0
E960003-P2-V	Richard Bagley	V049-2-009, Rev. P2	1/22/96 Specification for Bakeout Blanket System for the Vacuum Equipment
E960004-02-V	Richard Bagley	V049-2-001, Rev. 2	1/8/96 Specification for Roughing Pump Carts for the Vacuum Equipment, Revision 2
E960005-03-V	Richard Bagley	V049-2-002, Rev. 3	1/8/96 Specification for Main Turbomolecular Carts for the Vacuum Equipment, Revision 3
E960006-02-V	Richard Bagley	V049-2-003, Rev. 2	1/8/96 Specification for Auxilliary Turbomolecular Carts for the Vacuum Equipment, Revision 2
E960007-02-V	Richard Bagley	V049-2-033, Rev. 2	1/8/96 Specification for General Equipment Requirements for the Vacuum Equipment, Revision 2
E960008-00-V	Richard Bagley	V049-2-037, Rev. 0	1/22/96 Specification for Piping Design and Material for the Vacuum Equipment, Revision 0
E960008-05-V	Process Systems Int'l, Inc.	V049-2-037, Rev. 5	1/21/97 Specification for Piping Design and Material for LIGO Vacuum Equipment - Hanford & Livingston
E960010-01-E	Albert Lazzarini		3/12/96 LIGO Sites Alignment Requirements
E960010-A-E	Albert Lazzarini		6/3/96 LIGO Sites Alignment Requirements
E960011-01-V	Process Systems Int'l, Inc.	V049-2-109, Rev. 1	5/3/96 Acceptance Test Procedure for Clean Air Supplies for LIGO Vacuum Equipment - Hanford & Livingston
E960019-00-B	Larry Jones		2/6/96 Request for Design Check: Valve Soft Support
E960021-00-E	Garilynn Billingsley		2/16/96 Handling LIGO Optics Containers
E960022-00-E	William Young		2/26/96 LIGO Vacuum Compatibility, Cleaning Methods and Procedures
E960022-02-E	-		7/30/96 LIGO Vacuum Compatibility, Cleaning Methods and Qualification Procedures
E960022-03-E	William Young		12/20/96 LIGO Vacuum Compatibility, Cleaning Methods and Qualification Procedures
E960024-00-P			3/29/96 Document Change Notice (DCN) for LIGO-D950021-C-E
	Mike Zucker		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Kent Blackburn		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Mark Coles		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Dennis Coyne		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Fred Raab		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Robert Spero		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	Bill Althouse		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
	David Shoemaker		4/23/96 LIGO Detector Subsystem Review Report - Design Requirements Review CDS Control and Monitoring
E960027-00-D			5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D	•		5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D			5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D	•		5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D			5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D			5/15/96 Report on the Design Requirements Review Core Optics Components
	David Shoemaker		5/15/96 Report on the Design Requirements Review Core Optics Components
E960027-00-D	Robert Spero		5/15/96 Report on the Design Requirements Review Core Optics Components
E960028-00-B	Aller Cible.		3/18/96 LIGO Specification for Porcelain Coating of Beam Tube Baffles
	Allen Sibley		4/1/96 Specification for Porcelain Coating of Beam Tube Baffles
	Joanne Jaramillo	V040 2 004 Pov 4	3/13/96 Quality Assurance Procedures from JPL
E960034-01-V		V049-2-004, Rev. 1	2/29/96 Specification for Ion Pumps for Vacuum Equipment - Hanford and Livingston 4/10/96 LIGO EMI Control Plan and Procedures.
E960036-00-E E960036-02-E			4/10/96 LIGO EMI Control Plan and Procedures. 6/7/96 LIGO EMI Control Plan and Procedures
E960036-02-E			6/7/96 LIGO EMI Control Plan and Procedures 6/7/96 LIGO EMI Control Plan and Procedures
	System Engineering		7/8/96 LIGO EMI Control Plan and Procedures
	Allen Sibley		5/8/96 Component Specification - Mechanical Fabrication of Beam Tube Baffles
E960037-A-B E960038-00-B	·		5/8/96 Document Change Notice
E960039-00-B	· · · · · · · · · · · · · · · · · · ·		4/12/96 Document Change Notice (DCN)
E960040-00-B			4/12/96 Document Change Notice (DCN) 4/12/96 Document Change Notice (DCN)
E960041-00-B	*		4/29/96 Beam Tube Contract Material Escalation Text Update Proposal.
	Alex Abramovici		5/2/96 Specifications for Power Sampling Photodetector Intended for Use with the NPRO-PSL
E960042-00-D			5/2/96 Specifications for Power Sampling Photodetector Intended for Use with the NPRO-PSL
	Alex Abramovici		5/8/96 Specifications for SLOW/FAST Controller Intended for Use with the NPRO-PSL
E960043-01-D			5/8/96 Specifications for SLOW/FAST Controller Intended for Use with the NPRO-PSL
E960045-00-D			5/2/96 Specifications for Power Stabilization Amplifier Intended for Use with the NPRO-PSL
	Alex Abramovici		5/2/96 Specifications for Power Stabilization Amplifier Intended for Use with the NPRO-PSL
E960046-01-V		VO49-2-015, Rev. 1	8/9/96 Specification for Cleaning Procedure for LIGO Vacuum Equipment

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	Alex Abramovici		5/2/96 Specifications for Power Sampling PD Bias Supply Intended for Use with the NPRO-PSL
	Rick Savage		5/2/96 Specifications for Power Sampling PD Bias Supply Intended for Use with the NPRO-PSL
E960050-A-E	William Young		7/8/96 LIGO Vacuum Compatible Materials List
E960051-A-V	Rai Weiss		6/9/96LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960051-A-V	Allen Sibley		6/9/96 LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960051-A-V	Ben Lucas		6/9/96 LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960051-A-V	Dennis Coyne		6/9/96 LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960051-A-V	Bill Althouse		6/9/96 LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960051-A-V	A. Kuhnert		6/9/96 LIGO Vacuum Equipment Subsystem Review Report - Design Requirements Review, Vacuum Control and Monitoring System (VCMS)
E960089-00-B	Paul McGrath		5/10/96 Welding Procedure for Resistance Spot Welding of LIGO Beam Tube Baffles
E960091-00-B	Larry Jones		6/5/96 Quarterly Report: Beam Tube, 3/96-5/96
E960092-A-D	Garilynn Billingsley		9/12/96 Component Specification - Substrate, Recycling Mirror
E960092-B-D	Garilynn Billingsley		8/9/97 Component Specification: Substrate, Recycling Mirror
E960093-A-D	Garilynn Billingsley		9/12/96 Component Specification - Substrate, Input Test Mass
E960094-00-D	Garilynn Billingsley		4/1/96 Mirror Blank Material, Beam Splitter.
E960094-A-D	Garilynn Billingsley		6/24/96 Component Specification - Mirror Blank Material, Beam Splitter
E960095-00-D	Garilynn Billingsley		4/1/96 Mirror Blank Material, Input Test Mass.
E960095-A-D	Garilynn Billingsley		6/24/96 Component Specification - Mirror Blank Material, Input Test Mass
E960096-00-D	Garilynn Billingsley		4/1/96 Mirror Blank Material, Recycling Mirror.
E960096-A-D	Garilynn Billingsley		6/24/96 Component Specification - Mirror Blank Material, Recycling Mirror
E960096-B-D	Garilynn Billingsley		8/4/97 Component Specification: Mirror Blank Material, Recycling Mirror
E960097-00-D	Garilynn Billingsley		4/1/96 Mirror Blank Material, Folding Mirror, End Test Mass.
E960097-A-D	Garilynn Billingsley		6/24/96 Component Specification - Mirror Blank Material, Folding Mirror, End Test Mass
E960098-01-D	Dennis Coyne		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
E960098-01-D	Gabriella Gonzalez		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
	Larry Jones		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
E960098-01-D	Mike Zucker		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
E960098-01-D	Alex Abramovici		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
	Rolf Bork		9/30/96 LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
E960098-01-D	Albert Lazzarini		9/30/96LIGO Detector Subsystem Review Report: Preliminary Design Review (PDR), Suspension System (SUS)
	Milena Krasich		6/12/96 LIGO Reliability Program Plan
	System Engineering		9/27/96 LIGO Reliability Program Plan
E960099-A-E	System Engineering		12/9/96 LIGO Reliability Program Plan
E960099-B-E	System Engineering		7/21/97 LIGO Reliability Program Plan
E960100-A-D	Garilynn Billingsley		9/12/96 Component Specification - Substrate, Beam Splitter
	Garilynn Billingsley		9/12/96 Component Specification - Substrate, Folding Mirror
	Garilynn Billingsley Allen Sibley		9/12/96 Component Specification - Substrate, End Test Mass 4/25/96 Document Change Notice (DCN)
	Larry Jones		7/5/96 Beam Tube Alignment
	Albert Lazzarini		7/31/96 Closeout of COC DRR Al#11 - Recommendation of Parameter Choices in 2 KM Interferometer Design.
	Kent Blackburn		7/31/96 Closeout of COC DRR Al#11 - Recommendation of Parameter Choices in 2 KM Interferometer Design.
	Garilynn Billingsley		8/5/96 Component Specification - Substrates, Beam Splitter and Test Samples
	Garilynn Billingsley		5/13/97 Component Specification - Substrate, Beam Splitter Rework
	Process Systems Int'l, Inc.	V049-2-094, Rev. 1	8/7/96 Failure Modes and Effects Analysis (FMEA) for Vacuum Equipment
	David Shoemaker		10/2/96 Detector Subsystems Requirements
	David Shoemaker		11/22/96 Detector Subsystems Requirements
E960113-00-D			9/11/96 Document Change Notice (DCN)
E960114-00-V	•	V049-8-400	9/6/96 Main Turbo Air Speed Test
E960115-00-B			6/11/96 Additional Beam Tube Contract Expenditures
E960118-00-B	•	ER308L/MANUAL	3/27/96 Welding Procedure Specification (ER308L/MANUAL)
E960118-01-B	•	ER308L/MANUAL	7/17/96 Welding Procedure Specification (ER308L/MANUAL)
E960119-00-B	•	COIL-SPLICE	3/27/96 Welding Procedure Specification (COIL-SPLICE)
E960120-02-B	•	SPIRAL	7/17/96 Welding Procedure Specification (SPIRAL)
E960121-00-D	Garilynn Billingsley		9/20/96 Document Change Notice
E960123-00-E	William Young		11/22/96 Beam Tube Bakeout Design Requirements Document
E960123-01-E	William Young		12/2/96 Beam Tube Bakeout Design Requirements Document
E960123-03-E	William Young		8/8/96 Beam Tube Bakeout Design Requirements Document
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Document No	Full Name	ContractorDocNo I	Doc Dt Full Title
E960125-00-E	Craig Conley		9/24/96 Document Change Notice (DCN)
E960126-00-D	Gary Sanders		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-00-D	Rai Weiss		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-00-D	Dennis Coyne		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-00-D	Mike Zucker		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-00-D	Rolf Bork		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-00-D	Fred Raab		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Dennis Coyne		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Mike Zucker		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Rolf Bork		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Fred Raab		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Rai Weiss		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960126-A-D	Gary Sanders		10/8/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Physics Environment Monitoring (PEM)
E960127-00-V	Richard Bagley	V049-2-143, Rev. 0	10/1/96 Operating Procedure for the 80K Pump of the LIGO Vacuum Equipment - Livingston and Hanford
E960128-A-D	Mark Coles		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960128-A-D	Mike Zucker		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960128-A-D	Dale Ouimette		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960128-A-D	Albert Lazzarini		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960128-A-D	Kent Blackburn		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960128-A-D	Dennis Coyne		10/8/96 LIGO Detector Subsystem Review Report - Preliminary Design Review, Control and Data System (CDS): Control and Monitoring (CM)
E960130-00-V	Richard Bagley		5/1/96 Specification for Hazards Analysis for LIGO Vacuum Equipment - Hanford & Livingston
E960131-00-V	Richard Bagley	V049-2-081, Rev. 0	5/2/96 Fabrication Plan for Beam Splitter Chamber (BSC), LIGO Vacuum Equipment - Hanford & Livingston
E960132-00-V	Richard Bagley	V049-2-081, Rev. 0	5/2/96 Fabrication Plan for Horizontal Access Modules (HAM), LIGO Vacuum Equipment - Hanford & Livingston
E960133-00-V	Richard Bagley	V049-2-082, Rev. 0	5/2/96 Fabrication Plan for 80K Cryopumps, LIGO Vacuum Equipment - Hanford & Livingston
E960134-00-V	Richard Bagley	V049-2-083, Rev. 0	5/2/96 Fabrication Plan for Spools and Beam Tubes, LIGO Vacuum Equipment - Hanford & Livingston
E960136-00-P	Bill Althouse		10/25/96 Document Change Notice (DCN) - Release of Washington Site Rough Grading Drawings from JUB Engineers, Inc. Reflecting the AS-BUILT Configuration
E960137-00-P	Bill Althouse		10/25/96 Document Change Notice (DCN) - Release of Washington Site Beam Tube Enclosure Drawings
E960138-00-P	Mark Coles		10/28/96 Document Change Notice (DCN) - Release of Washington Site Facilities Drawings
	Fred Asiri		10/28/96 Document Change Notice (DCN) - Release of Washington Site Facilities Drawings
E960138-00-P			10/28/96 Document Change Notice (DCN) - Release of Washington Site Facilities Drawings
E960138-00-P			10/28/96 Document Change Notice (DCN) - Release of Washington Site Facilities Drawings
E960139-00-P		JPL STD00009, Rev.	4/1/93 Engineering Standard - Flight materials, Processes, Fasteners, Packaging and Cabling Hardware Selection Guide
E960140-00-E	,		11/18/96Acceleration Load Spec
	Process Systems Int'l, Inc.		11/15/96 End Item Data Package Checklist - LIGO G44E Valve 4103280 Assembly, Serial #004
E960143-00-V			11/15/96 End Item Data Package Checklist - LIGO G44E Valve 4103280 Assembly, Serial #004
E960144-00-V	'		10/31/96 Leak Test for LIGO G44E Valve 4103280, Revision B - Serial #004
E960145-00-V	'		11/6/96 Final Assembly, Delivery Guideline - LIGO G44E Valve 4103280, Revision B - Serial #004
E960146-00-V	'		11/1/96 Cleanliness Test, RGA - LIGO G44E Valve 4103280, Revision B - Serial #004
E960147-00-V			11/15/96 End Item Data Package Checklist - LIGO G44E Valve 4103280 Assembly, Serial #003
E960148-00-V	· · · · · · · · · · · · · · · · · · ·		11/8/96 Material Certification and Dimensional Conformance, LIGO G44E Valve 4103280 Asembly, Serial #003
E960149-00-V	· · · · · · · · · · · · · · · · · · ·		11/26/96 Certified Material Test Reports (CMTRs) for LIGO G44E Valve 4103280 Assembly, Serial #003
E960150-00-V	· · · · · · · · · · · · · · · · · · ·		11/8/96 Inspection Reports for LIGO G44E Valve 4103280 Assembly, Serial #003
E960151-00-V	· · · · · · · · · · · · · · · · · · ·		11/8/96 Leak Test - LIGO G44E Valve 4103280 Assembly, Serial #003 11/7/96 Cleanliness Test, RGA - LIGO G44E Valve 4103280 Assembly, Serial #003
E960152-00-V E960153-00-V	· · · · · · · · · · · · · · · · · · ·		11/7/96 Cleanliness Test, RGA - LIGO G44E Valve 4103280 Assembly, Serial #003 11/7/96 Final Assembly, Delivery Guideline - LIGO G44E Valve 4103280 Assembly, Serial #003
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E960154-00-V E960155-00-U	· · · · · · · · · · · · · · · · · · ·		11/6/96 Material Certification and Dimensional Conformance, LIGO G44E Valve 4103280 Asembly, Serial #004 11/6/96 Certified Material Test Reports (CMTRs) for LIGO G44E Valve 4103280 Assembly, Serial #004
E960156-00-V	· · · · · · · · · · · · · · · · · · ·		11/6/96 Inspection Reports for LIGO G44E Valve 4103280 Assembly, Serial #004
E960159-00-V	· · · · · · · · · · · · · · · · · · ·	V049-2-122, Rev. 1	12/18/96 Specification for Viton Vacuum Bakeout, LIGO Vacuum Equipment - Hanford and Livingston
	Warren A. Carpenter	V 070 2-122, NOV. 1	2/13/96 Interface Control Document(ICD) - Pump Port Hardware to Vacuum Equipment
E960161-00-V	·	V049-8-205	3/5/96 Specification for Manufacturing Process
	Process Systems Int'l, Inc.	V049-8-205 V049-8-205	3/5/96 Specification for Manufacturing Process 3/5/96 Specification for Manufacturing Process
-	Process Systems Int'l, Inc.	V049-8-203 V049-2-080, Rev 0	5/2/96 Fabrication Plan for Beam Splitter Chambers (BSC), LIGO Vacuum Equipment, Hanford & Livingston
	Process Systems Int'l, Inc.	V049-2-080, Rev 0	5/2/96 Fabrication Plan for Horizontal Access Modules (HAM), LIGO Vacuum Equipment, Hanford & Livingston
	Process Systems Int'l, Inc.	V049-2-081, Rev 0	5/2/96 Fabrication Plan for 80K Cryopumps, LIGO Vacuum Equipment, Hanford & Livingston
	Process Systems Int'l, Inc.	V049-2-082, Rev 0	5/2/96 Fabrication Plan for Spools and Beam Tubes, LIGO Vacuum Equipment, Hanford and Livingston
E970002-02-V	•	V049-2-063, Rev 0	1/15/96 Specification for Leak Check Plan for LIGO Vacuum Equipment - Hanford & Livingston
L31 UUUZ-UZ-V	Indiaid Dayley	VUTO-2-014, NEV. 2	1/ 10/04 openination for Leak Officer Flathor Ligory Vacuum Equipment - Hamoru & Livingston

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
E970003-A-P	Albert Lazzarini		1/23/97 Document Change Notice (DCN)
E970004-00-V	Tom Starr	V049-2-015, Rev. 2	1/17/97 Specification for Cleaning Procedure for LIGO Vacuum Equipment, Hanford & Livingston
E970008-01-V	Process Systems Int'l, Inc.	V049-2-163, Rev. 1	1/21/97 Specification for Thermal Insulation-Piping for LIGO Vacuum Equipment
E970009-01-V	Process Systems Int'l, Inc.	V049-1-096, Rev. 1	1/21/97 Regen. System Process Calculations
E970025-02-B	СВІ	ICD-BTT	2/7/97 Fabrication/Installation Procedure - Beam Tube and Termination Support to Gate Valve and Termination Foundation
E970027-05-B	СВІ	CLSAMP1, Rev. 5d	2/7/97 Procedure for Obtaining a Cleanliness Assessment Sample
E970028-04-B	СВІ	HMST1N(ALT), Rev.	2/7/97 Leak Testing Procedure - Helium Mass Spectrometer Hood Test of Beam Tube Sections (with Hood Bags)
E970033-01-B	СВІ	ICD-BTSLAB	2/7/97 Fabrication/Installation Procedure - Beam Tube Interface with the Beam Tube Slab, Beam Tube Enclosure and Baffles
E970036-02-V	Richard Bagley	V049-2-139, Rev. 0	1/31/97 Specification for Structural Carbon Steel Fabrication and Painting for LIGO Vacuum Equipment
E970037-00-D	Dennis Coyne		7/7/97 Component Specification - Small Optics Suspension (SOS) Assembly Specifications
E970040-00-D	Craig Conley		2/20/97 Document Change Notice (DCN)
E970045-00-B			3/21/97 Beam Tube Support Alignment Quality Check
E970046-00-D	Craig Conley		3/21/97 Document Change Notice (DCN)
E970047-00-E	Craig Conley		3/24/97 Document Change Notice (DCN)
E970048-00-E	Craig Conley		4/3/97 Document Change Notice
E970052-00-B	Larry Jones		4/14/97 Beam Tube Support Alignment Quality Check #2
E970053-00-D	Garilynn Billingsley		4/4/97 Problem/Failure Report (PFR) - CSIRO
E970055-00-D	Rick Savage		5/12/97 Laser Specifications for Lightwave
E970055-01-D	Irena Petrac		6/13/97 Target Specifications: LIGO 10-W Laser
E970055-01-D	Rick Savage		6/13/97 Target Specifications: LIGO 10-W Laser
E970060-00-E	Craig Conley		5/14/97 Document Change Notice (DCN)
E970061-00-E	Craig Conley		5/14/97 Document Change Notice (DCN)
E970061-01-D	Craig Conley		7/25/97 Document Change Notice
E970062-00-E	Craig Conley		5/9/97 Document Change Notice (DCN)
E970063-01-D	Dennis Coyne		8/11/97 LIGO Seismic Isolation System (SEI): Fabrication Process Specification
E970063-01-D	Bernie Weinstein		8/11/97 LIGO Seismic Isolation System (SEI): Fabrication Process Specification
E970074-00-D	Garilynn Billingsley		5/12/97 Component Specification - Substrate, Witness Sample
E970080-00-D	Janeen Hazel		7/7/97 Small Optics Suspension (SOS) Assembly Quality Conformance Worksheet
E970080-00-D	Seiji Kawamura		7/7/97 Small Optics Suspension (SOS) Assembly Quality Conformance Worksheet
E970081-00-V	Process Systems Int'l, Inc.	V049-1-125, Rev 0	7/11/97 44" Gate Valve Closed Position Beam Tube Side Heat Transfer Analysis
E970123-00-E	System Engineering		8/4/97 LIGO Suspension System Reliability Prediction Report
E970124-00-D	Garilynn Billingsley		8/5/97 Document Change Notice (DCN)
E970125-00-E	Bill Althouse		8/13/97 Component Specification: Beam Tube Module Insulation
E970126-00-D	Garilynn Billingsley		8/4/97 Document Change Notice (DCN)
E970157-00-E			2/19/97 Document Change Notice (DCN)
E970166-00-D			8/14/97 Cleaning Qualification Test
G010171-00-F	Gerry Stapfer		7/22/96 Louisiana Building Design - Technical Review, 22 July 1996
G880001-00-M			12/15/88 LIGO Monthly Project Review, 15 December 1988
G880002-00-M			11/16/88 LIGO Monthly Project Review, 16 November 1988
	California Institute of Tech.		4/10/89 Agenda and Presentation for NSF/LIGO Meeting at Caltech
	California Institute of Tech.		4/10/89 LIGO/NSF Meeting Presentation re Site
G900001-00-M			11/29/90 LIGO Monthly Project Review, 29 November 1990
G900002-00-M			10/25/90 LIGO Monthly Project Review, 25 October 1990
G900003-00-M			9/27/90 LIGO Monthly Project Review, 27 September 1990
G900004-00-M			8/30/90 LIGO Monthly Project Review, 30 August 1990
G900005-00-M			6/28/90 LIGO Monthly Project Review, 28 June 1990
G900006-00-M			5/31/90 LIGO Monthly Project Review, 31 May 1990
G900007-00-M			4/26/90 LIGO Monthly Project Review, 26 April 1990
G900008-00-M			4/4/90 LIGO Monthly Project Review, 29-30 March 1990
G900086-00-A			6/28/96 This is a test for Cleveland's computer
G901111-A-E			9/25/95 This is a text field that allows us to have very long titles that will wrap on the screen without having to define the field as a memo. Since the field is 255 characters long, we can set it up as an indexed field and still see the entire field on the s
G910001-00-M			12/5/91 LIGO Project Monthly Review, 5 December 1991 (Agenda, Viewgraphs, Minutes)
	Stan Whitcomb		10/14/91 LIGO Project Monthly Review Meeting, 24 October 1991
G910003-00-M			8/22/91 LIGO Monthly Project Review, 22 August 1991
G910004-00-M			9/19/91 LIGO Monthly Project Review, 19 September 1991
G910005-00-M			7/11/91 LIGO Monthly Project Review, 11 July 1991
G910006-00-M			5/23/91 LIGO Monthly Project Review, 23 May 1991

Document No Full Name	ContractorDocNo Doc Dt Full Title
G910007-00-M	4/25/91 LIGO Monthly Project Review, 25 April 1991
G910008-00-M	3/21/91 LIGO Monthly Project Review, 21 March 1991
G910009-00-M	2/21/91 LIGO Monthly Project Review, 21 February 1991
G910010-00-M	1/24/91 LIGO Monthly Project Review, 24 January 1991
G930001-00-B Bill Althouse	11/30/93 Briefing for Preliminary Design Review Board, LIGO Beam Tube Modules - Viewgraphs
G940001-00-O Fred Asiri	9/20/94 Conventional Facilities - Design Overview and Sites Status
G940002-00-D David Shoemaker	4/20/94 Sensitivity Limits Due to Photon Statistics - Shot Noise, Other 'Optical' Noise Sources, and Optical Configurations
G940003-00-R K. Thorne	12/20/94 The LIGO Project - LIGO Vacuum Equipment Proposal Conference, 20 December 1994
G950000-00-U	5/23/96
G950001-00-M Gary Sanders	2/14/95 LIGO Administrative Group - Basic Organization and Procedures
G950002-00-M Barry Barish	3/10/95 LIGO All Hands Meeting
G950003-00-F	3/13/95 Hanford Site Photo Album
G950004-00-F	3/13/95 Livingston Site Photo Album
G950005-00-F	3/13/95 Hanford Site Video
G950006-00-F	3/13/95 Livingston Site Video
G950007-00-M Gary Sanders	1/4/95 LIGO All Hands Meeting
G950008-00-V J. Stapfer	3/16/95 Presentation to NSF for Vacuum Equipment Procurement Approval
G950009-00-V John Worden	4/28/95 Presentation to CBI/PSI for Vacuum Equipment Phase A Update Meeting
G950010-00-V John Worden	3/30/95 Kickoff Meeting - Vacuum Equipment Phase A
G950011-00-V Mike Zucker	3/30/95 LIGO Vacuum Equipment Scientific Requirements Overview
G950012-01-M Gary Sanders	2/1/95 LIGO Project Organization - (file type:opx)
G950013-01-M Gary Sanders	2/1/95 LIGO Project Organization - (file type:tiff)
G950014-01-M Gary Sanders	2/1/95 LIGO Project Organization - (file type:wmf)
G950015-01-M Gary Sanders	2/1/95 Organizational Hierarchy - (file type:opx)
G950016-01-M Gary Sanders	2/1/95 Organizational Hierarchy - (file type:wmf)
G950017-01-M Gary Sanders	2/1/95 LIGO Work Breakdown Structure (file type:opx)
G950018-01-M Gary Sanders	2/1/95 LIGO Work Breakdown Structure (file type:wmf)
G950019-01-D Robbie Vogt	5/22/95 LIGO Detector Presentation
G950020-00-M Gary Sanders	5/17/95 LIGO Progress, Status and Plans
G950021-00-M Gary Sanders	5/17/95 User's Community Advisory Committee
G950022-00-F Fred Asiri	5/22/95 Civil Construction Presentation
G950023-00-E Albert Lazzarini	5/22/95 LIGO Systems Engineering and Integration Presentation
G950024-00-P Phil Lindquist	5/18/95 Project Management Control Systems Presentation
G950025-00-V John Worden	5/18/95 Vacuum Equipment Viewgraphs NSF Presentation
G950026-00-B Larry Jones	5/22/95 Beam Tube Modules Presentation
G950027-00-M Fred Raab	5/19/95 Plan to Commission and Operate LIGO
G950028-00-M Barry Barish	5/19/95 Project Introduction and Management
G950029-00-F Gerry Stapfer	5/19/95 Facilities
G950030-00-R Stan Whitcomb	5/25/95 Some Thoughts on Scattered Light in the Corner Station
G950031-00-P Phil Lindquist	5/22/95 Other Project Control Systems Presentation
G950032-00-D Rick Savage	5/24/95 Status Review of the Core Optics Components
G950033-00-M	5/22/95 Complete NSF Presentation (Agenda, Acronyms, Presentations, etc.)
G950034-00-D Seiji Kawamura	5/25/95 Suspension Design for LIGO and the 40m Interferometer
G950035-00-C Volker Schmidt	5/23/95 CDS Overview
G950036-00-U Lisa Sievers	5/25/95 Length Control Modeling
G950037-00-U Nergis Mavalvala	5/25/95 Interferometer Design Considerations
G950038-00-U Albert Lazzarini	5/25/95 LIGO Science Requirements Document
G950039-00-U Rai Weiss	5/25/95 Baffle Research
G950040-00-U Albert Lazzarini	5/25/95 Mounting Approach
G950041-00-U John Worden	5/25/95 Vacuum Equipment Interfaces 5/25/95 Facility Interfaces with Detector Vacuum Equipment and Room Tube
G950042-00-U Fred Asiri	5/25/95 Facility Interface with Detector, Vacuum Equipment and Beam Tube
G950043-00-U Hiro Yamamoto	5/25/95 HR Coating, AR Coating and Dual-Wavelength-Ready Coating
G950044-00-U Kent Blackburn	5/25/95 Support to 40 Meter: Data Analysis and Visualization with AVS
G950045-00-D S.Kawamura	6/8/95 Suspension Design Requirements Review for 8 June 1995
G950046-00-R Seiji Kawamura G950047-00-U Kent Blackburn	6/22/95 Suspension Design for the 40m Interferometer 5/25/95 Support to 40 Meter: Data Analysis and Visualization with AVS
G950047-00-U Rent Blackburn G950048-00-U Alex Abramovici	5/25/95 Support to 40 Meter: Data Analysis and Visualization with AVS 5/25/95 Where Should the Pocket Cells Be?
G950040-00-0 Alex Abramovici	3/23/33 Whele Should the Focket Cells De!

Document No	Full Name	ContractorDocNo Doc Dt Full Title
G950049-00-U		5/25/95 Core Optic Wedges
	Gabriella Gonzalez	5/25/95 Barry Controls Active Isolators (STACIS)
G950051-00-D		5/25/95 Barry Controls Isolators: Are they Useful for LIGO?
	McMaster-Carr Supp. Co.	7/6/95
G950053-00-V		7/20/95 Vacuum Equipment Phase B Selection Presentation to Review Panel
G950054-00-M	Garv Sanders	8/1/96 Status of LIGO - Presentation at GR14 Conference in Florence, Italy in August 1995
G950055-00-V	,	8/1/95 Vacuum Equipment CAD Pictures
G950056-00-B		8/1/95 Beam Tube Photographs
G950057-00-M		8/9/95 Video of Louisiana Ground Breaking Ceremony, 5 July 1995
G950058-00-E	Alex Abramovici	8/14/95 Presentation on Impact of Replacing Argon Lasers with Nd:YAG Lasers
	David Shoemaker	8/14/95 Presentation on Impact of Replacing Argon Lasers with Nd:YAG Lasers
G950059-00-M		8/21/95 GR14 Sack Lunch Viewgraphs
G950060-00-V	· ·	8/25/95 Vacuum Equipment Procurement Presentation to the NSF
G950061-00-R	Brett Bochner	8/28/95 A Summary and Future Preview of the FFT Simulation Initiative at LIGO
G950061-02-R		8/29/95 A Summary and Future Preview of the FFT Simulation Initiative in LIGO
G950062-00-F		9/13/95 Facilities Overview and Status - Presentation to NSF
G950063-00-R		9/15/95 International Symposium on "Modern Problems of Laser Physics" held in Russia, August 28-September 2, 1995
G950064-00-P	Phil Lindquist	9/19/95
G950065-00-M		9/21/95 Interfaces
G950066-00-E	•	9/28/95 Viewgraphs/Presentations from Science Integration Meeting, 21-22 Sept 1995
G950067-00-M	Gary Sanders	9/28/95 Project Implementation
G950068-00-D		9/29/95 LIGO Detector Group NSF Technical Review Documentation Package
G950069-00-V	John Worden	7/21/95 Vacuum Equipment Review
G950070-00-M	Peter Saulson	7/28/95 Transparencies from Seminars by Professor Peter Saulson on 7/19,20,26/95
G950071-00-O	Fred Asiri	10/3/95 Viewgraphs
G950072-00-O		10/4/95 Otto
G950073-00-R	Jay Heefner	10/4/95 New Suspension for Mark II
G950073-00-R	Seiji Kawamura	10/4/95 New Suspension for Mark II
G950073-00-R	Janeen Hazel	10/4/95 New Suspension for Mark II
G950074-00-V	Mike Zucker	10/9/95 Vacuum Equipment Science Requirements
G950075-00-V	Mike Zucker	10/10/95 Technical Updates to Vacuum Equipment Design
G950076-00-R	David Shoemaker	10/4/95 R & D Overview Presentation
G950077-00-D	Bill Althouse	10/4/95 Detector Review Presentation
G950077-00-D	Robert Spero	10/4/95 Detector Review Presentation
G950077-00-D	Robbie Vogt	10/4/95 Detector Review Presentation
G950078-00-M	California Institute of Tech.	10/4/95 Viewgraphs of NSF Review Presentation
G950079-00-R	California Institute of Tech.	1/6/95 Review of LIGO Baffle Design and Light Scattering in the Beam Tube
G950080-00-E	Albert Lazzarini	10/5/95 NSF Presentation
G950081-00-F	Mark Coles	10/5/95 NSF Presentation
G950082-00-B	Larry Jones	10/5/95 Beam Tube Modules
G950082-00-B		10/5/95 Beam Tube Modules
G950083-00-V		10/5/95 NSF Presentation
G950084-00-R		10/5/95 Change to Nd:YAG Lasers
G950085-00-M	-	10/6/95 LIGO Overview
G950086-00-O		10/6/95 Civil Information from Parsons for NSF Presentation Review
G950090-00-O		10/26/95 LIGO Facilities Performance Predictions Review Meeting, 26 October 1995
G950090-00-O	*	10/26/95 LIGO Facilities Performance Predictions Review Meeting, 26 October 1995
	Yolande Middleton	11/3/95 Livingston Site Photographs
G950093-00-F	•	11/17/95 Beam Tube Source Selection Presentation
G950095-00-D		11/14/95 ASC Optical Lever Design Requirements Review
	David Shoemaker	11/14/95 ASC Optical Lever Design Requirements Review
	Ralph M. Parsons Company	5/21/96 Southeast Arm at Station 110+00 Showing Two Excavators Removing Fill From Trench and a Dozer Spreading Fill Into Place.
G950095-21-O		5/21/96 Southeast Arm at Station 112+00 Showing Grader Wind Rowing Soil to Expedite the Drying Process.
G950096-00-F	•	11/30/95 Beam Tube Contract - Presentation to the NSF
	Stan Whitcomb	11/29/95 Searching for Gravitational Waves with LIGO (Presentation at Notre Dame) - Viewgraphs
G950098-00-R		
G950098-00-R G950099-00-M G950100-00-M		11/28/95 Laser Safety - Course Overheads 12/15/95 LIGO - the Evolution of a Project Management Process

Document No Full Name	ContractorDocNo	Doc Dt Full Title
G950100-00-M Felix Fernand		12/15/95 LIGO - the Evolution of a Project Management Process
G950102-00-M Barry Barish		9/28/95 The Search for Gravitational Waves - Presented at Lockheed, Palo Alto on 28 September 1995
G950103-00-M Barry Barish		12/8/95 Gravitational Waves - Presented at Yale University, 8 December 1995
G950104-00-M Barry Barish		5/22/95 LIGO Organization and Managment
G950105-00-M Barry Barish		10/9/95 LIGO Overview - NSF Technical Review, 9-11 October 1995
G950106-00-M Barry Barish		10/2/95 LIGO Status Report, dated 2 October 1995
G950142-01-O Ralph M. Pai		5/7/96 Southwest Arm at Station 36+00 Looking Southwest at Trench Excavation and Spectators.
G952000-00-M David Shoen		5/22/95 R & D Overview Presentation
G952001-00-B Rai Weiss	ilanei	5/22/95 Beam Tube Qualification Test Results (Framemaker viewgraphs) Presentation
G952002-00-M David Shoen	maker	5/26/95 Argon and Nd: YAG Lasers: Comparative Information
G952003-00-R David Shoen		6/1/95 Barry Controls STACIS Isolators: Their performance at MIT and Considerations forTheir Use in LIGO
G952004-00-R Peter Fritsch		6/2/95 Phase Noise Interferometer Design Review
G960001-00-M Gary Sander		2/1/96 Progress Report on LIGO - Presentation Made at the Pacific Conference on Gravitation and Cosmology in Seoul, Korea in February 1996
G960002-00-M Gary Sander		1/24/96 LIGO Research Community: The View From LIGO - Aspen Conference
G960004-00-E		12/11/95 Viewgraphs from Science and Integration Meeting of 11-12 December 1995
G960005-00-R Vladimir Braç	ainsky	12/10/95 Viewgraphs on Test Mass Suspensions and Suspension Noise
G960006-00-O Otto Mathern		1/31/96 LIGO Presentation for Contractors in Washington on 21 February 1996
G960008-00-M Gary Sander	,	2/11/96 Managing the LIGO Project - France
G960009-00-O William Park		2/16/96 Lightning Protection for the LIGO Facilities
G960009-00-O Professor Ph		2/16/96 Lightning Protection for the LIGO Facilities
G960010-00-M Fred Raab	p 1 d 3 d 3	5/20/96 LIGO Contractors Briefing
G960015-00-B Larry Jones		2/20/97 Beam Tube Alternate Bake Concepts
G960016-00-O		2/2/96 Southeast Arm Showing an Excavated Area to Identify Extent of Organic Depth, Between Stations 107 & 110
G960017-01-O		2/2/96 Livingston - Southwest Arm, Station 9+50 Installing 72in. Culvert Piping
G960017-02-O Ralph M. Pai	rsons Company	2/2/96 Livingston - Southwest Arm Station 9+50 Showing 72in. Culvert Pipe Ready to Wrap Joints with Geotech Material
G960017-03-O Ralph M. Pai		2/2/96 Southeast Arm, at Station 106:00 Showing 72" Culvert Pipe
G960017-04-O Ralph M. Pai		2/2/96 Southwest Arm at Station 111.00 Showing 36" Culvert Piping on Bedding
G960017-05-O	, ,	2/2/96 Southwest Arm Looking South at Culvert Crossing 111:00
G960017-06-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm Organic Material Removed from Culvert Crossing Station 111:00
G960017-07-O Ralph M. Pai	1 1	2/2/96 Southwest Arm Showing the Mound of Organic Material Removed from Station 111:00 Culvert Crossing
G960017-08-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm Showing Another View of Organic Material, Station 111:00
G960017-09-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm, A Closeup of the Organic Material at Station 111:00
G960017-10-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm at Station 111:00, A Closeup View of the Organic Material Encountered
G960017-11-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm Showing a Closeup View of Organic Material Removed from Culvert Crossing at Station 111:00
G960017-12-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm Standing at Station 111:00 Looking West at Station 123:00
G960017-13-O Ralph M. Pai	rsons Company	2/2/96 Southwest Arm Excavating for the 60" Culvert Pipe at Station 123:00
G960017-14-O Ralph M. Pai	rsons Company	2/2/96 Southeast Arm Station 110:00 Disking of Subbase Material
G960017-15-O Ralph M. Pai	rsons Company	2/2/96 Southeast Arm Between Stations 107:00 and 110:00, Organic Material to be Removed
G960017-17-O Ralph M. Pai	rsons Company	2/2/96 A Closeup View of the Organic Material Between Stations 107 & 110
G960017-18-O Ralph M. Pai	rsons Company	2/2/96 A Closeup View of the Organic Material Between Stations 107 & 110
G960017-19-O		2/2/96 Southwest Arm Showing Grader Wind Rowing Area of Organic Material
G960017-20-O		2/2/96 Another View of Organic Material to Show Extent at Stations 107 & 110 Southwest Arm
G960017-21-O		2/2/96 This is the Same Area (Stations 107 & 110, Southwest Arm) But a Different View to Help Show the Extent
G960017-22-O		2/2/96 Removing Organic Material, Stations 107 & 100, Southwest Arm
G960017-23-O		2/2/96 Southeast Arm Showing Mean Depth of Organic Material Approximately 24", Southeast Arm Station 110
G960017-24-O		2/2/96 Southwest Arm at Station 9:50 Conducting Moisture Content Test of Soil; Cow Stuck in Mud
G960018-01-O Ralph M. Pai		3/2/96 Tumbleweeds. No Other Captions at This Time.
G960018-08-O Ralph M. Pai	rsons Company	3/2/96 Tumbleweeds. No Other Captions at This Time.
G960020-01-O		1/29/96 Main Road As It Passes Construction Site Office; Water Left by Storm
G960020-02-O		1/29/96 Looking Southwest At Culvert Crossing 9+50
G960020-03-O		1/29/96 Stranco Man and Helper, De-Watering at Construction Site Main Road
G960020-04-O		1/29/96 Bridge at creek on the road leading to the construction site, water backing up on the upstream side
G960020-05-O		1/29/96 The same as above except on the down stream side of the bridge
G960020-06-O		1/29/96 Looking east at access bridge to site, showing where the creek is backing up on the down stream side
G960020-07-O		1/29/96 Low area east of access road bridge, where water has backed up
G960020-08-O		1/29/96 Later on the same day the same place as G960020-07-0, only looking West; note dark line in foreground indicating high water mark
G960020-09-O		2/1/96 A small tornado came through west of site damaging properties as the tail touched the ground

	ContractorDocNo Doc Dt Full Title
G960020-10-O	2/1/96 Looking West at southwest arm and the culvert crossing at station 9+50; note ice on pond in forefront
G960020-11-O	2/1/96 Ice on pond alongside access road at main building site
G960020-12-O	2/1/96 Looking East alongside the main access road, pond icing at building site
G960020-13-O	2/1/96 Icing at creek crossing road to main site
G960020-14-O	2/5/96 Icing at creek on the main road to site
G960020-15-O	2/5/96 Icing on creek, above the bridge on the main road to site
G960020-16-O	2/5/96 Another shot of G960020-15-O
G960020-17-O	2/6/96 Excavating trench, Southeast arm at station 29+00
G960020-18-O	2/6/96 View of excavated trench at station 28+00 on the southeast arm
G960020-19-O	2/6/96 Access road to the southeast arm taken at main building site
G960020-20-O	2/6/96 Installing 72" culvert pipe at station 106+00, southeast arm
G960020-21-O	2/6/96 An instrument used to align culvert pipe at station 106+00, southeast arm
G960020-22-O	2/6/96 Installing culvert pipe at station 106+00. After, dozer is used to push pipe on to the other while the crane holds pipe in place
G960021-01-O	1/25/96 Southeast arm at Station 56 looking west at Dixie Power Line right-of-way
G960021-02-O	1/25/96 Southwest arm at Station 56 looking north from Dixie Power Line right-of-way
G960021-03-O	1/25/96 Southeast arm at Station 56 looking southeast (first lift of fill)
G960021-04-O	1/25/96 Southeast arm looking northwest from Station 43 at culvert crossing (forefront) and Dixie power pole in the far distance (first lift of berm)
G960021-05-O	1/25/96 Southeast arm installing culvert pipe at Station 83
G960021-06-O	1/25/96 Southeast arm, culvert crossing at Station 83:00
G960021-07-O	1/25/96 Southeast arm culvert pipe installation at Station 83
G960021-08-O	1/25/96 Southeast arm at culvert crossing Station 83; rain diversion ditch
G960021-09-O	1/25/96 Southeast arm, station 83:00 using crane to off load and set culvert pipe
G960021-10-O	1/25/96 Southeast arm, Station 83:00, showing a rejected section of culvert pipe
G960021-11-O	1/25/96 Culvert pipe at Station 42:00 looking East
G960021-12-O	1/25/96 Southeast arm looking East; trench bank in foreground and first lift of berm fill in the background between Station 41:00 and 43:00
G960021-13-O	1/25/96 Southeast arm looking Northeast at trench in foreground and culvert crossing at Station 27:00 in the background. Further North are the site offices.
G960021-14-O	1/26/96 Southeast arm looking North at culvert crossing 106:00, installing pipe
G960021-15-O	1/26/96 Southeast arm installing culvert pipe at station 106:00
G960021-16-O	1/26/96 Southeast arm at Staiton 106:00 installing piep at culvert crossing
G960021-17-O	1/26/96 Site entrance road at State Highway 63 looking west toward the project
G960021-18-O	1/26/96 Entrance road half-way to site office just before the creek and birdge, 20 MPH signs to control traffic speed
G960021-19-O	1/26/96 Power poles running on the west side of central building site to supply temporary power to the construction site
G960021-20-O	1/26/96 The construction site offices showing power transformer and well, center of photo
G960021-21-O	1/26/96 Construction site office complex from left to right: Front, Stranco's office; rear, CM office; PSI office; generator trailer; night watchman trailer
G960021-22-O	1/26/96 Another view of site construction office
G960021-23-O	1/26/96 Southeast arm at Station 106:00 installing culvert pipe
G960021-24-O	
G900021-24-O	
	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo.
G960022-01-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing
G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing
G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing
G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing, checking grade
G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company G960022-05-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing, checking grade 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing
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G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company G960022-05-O Ralph M. Parsons Company G960022-06-O Ralph M. Parsons Company G960022-07-O Ralph M. Parsons Company G960022-08-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing, checking grade 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 123 culvert crossing, setting pipe in place 2/18/96 Southwest arm at station 123 culvert crossing, checking pipe installation
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G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company G960022-05-O Ralph M. Parsons Company G960022-06-O Ralph M. Parsons Company G960022-07-O Ralph M. Parsons Company G960022-08-O Ralph M. Parsons Company G960022-09-O Ralph M. Parsons Company G960022-10-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing, checking grade 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 123 culvert crossing, setting pipe in place 2/18/96 Southwest arm at station 123 culvert crossing, checking pipe installation 2/18/96 Southwest arm at station 123 looking Northeast reviewing surface drainage 2/18/96 Southwest arm at station 96+60 installing pipe for the first time, correction followed
G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company G960022-05-O Ralph M. Parsons Company G960022-06-O Ralph M. Parsons Company G960022-07-O Ralph M. Parsons Company G960022-08-O Ralph M. Parsons Company G960022-09-O Ralph M. Parsons Company G960022-10-O Ralph M. Parsons Company G960022-11-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest Arm At Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 92+60 culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing, checking grade 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing, checking grade 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 16+40, checking grade at culvert crossing 2/18/96 Southwest arm at station 123 culvert crossing, setting pipe in place 2/18/96 Southwest arm at station 123 culvert crossing, checking pipe installation 2/18/96 Southwest arm at station 123 looking Northeast reviewing surface drainage 2/18/96 Southwest arm at station 92+60 installing pipe for the first time, correction followed 2/18/96 Southwest arm at station 92+60 rigging pipe into place
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G960022-01-O Ralph M. Parsons Company G960022-02-O Ralph M. Parsons Company G960022-03-O Ralph M. Parsons Company G960022-04-O Ralph M. Parsons Company G960022-05-O Ralph M. Parsons Company G960022-06-O Ralph M. Parsons Company G960022-07-O Ralph M. Parsons Company G960022-08-O Ralph M. Parsons Company G960022-09-O Ralph M. Parsons Company G960022-10-O Ralph M. Parsons Company G960022-11-O Ralph M. Parsons Company G960022-11-O Ralph M. Parsons Company G960022-13-O Ralph M. Parsons Company G960022-13-O Ralph M. Parsons Company G960022-13-O Ralph M. Parsons Company	1/26/96 Road to construction site. Notice storm building in uppper right corner of photo. 2/16/96 Southwest arm at Station 92+60 Culvert Crossing 2/18/96 Southwest arm at station 192+60 Culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Southwest arm at station 16+40 excavating for culvert crossing 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing 2/18/96 Checking grade at Southwest arm, station 16+40 culvert crossing 2/18/96 Southwest arm at station 123 culvert crossing 2/18/96 Southwest arm at station 123 culvert crossing, checking pipe in place 2/18/96 Southwest arm at station 123 culvert crossing, checking pipe in stallation 2/18/96 Southwest arm at station 123 looking Northeast reviewing surface drainage 2/18/96 Southwest arm at station 123 looking Northeast reviewing surface drainage 2/18/96 Southwest arm at station 96+60 installing pipe for the first time, correction followed 2/18/96 Southwest arm at station 99+60 rigging pipe into place 2/18/96 Southwest arm at station 113+00 2/18/96 Southeast arm disking berm at station 113+00 2/18/96 Southeast arm around station 113+00 disking berm material to remove moisture
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
	Ralph M. Parsons Company	2/18/96 Southwest arm at station 123+00 culvert crossing, backfill operation
	Ralph M. Parsons Company	2/18/96 Southwest arm at station 123 culvert crossing
	Ralph M. Parsons Company	2/18/96 Southwest arm at station 123+00 culvert crossing showing pea gravel backfill around pipe
	Ralph M. Parsons Company	2/18/96 Southwest arm at station 123+00 culvert crossing backfill operation
	Ralph M. Parsons Company	2/22/96 Site Visit by Congressman Richard Baker. From Left to Right, Skip Smart, Congressman Baker, Mayor Dale Erdey and Bo Garrison, Former Head of the State Police.
	Ralph M. Parsons Company	2/22/96 Congressman Richard Baker and Visiting Group With the Southeast Arm in the Background.
	Ralph M. Parsons Company	2/22/96 Installing 60" Culvert Pipe at Crossing 44+60, Southwest Arm.
	Ralph M. Parsons Company	2/17/96 Southwest Arm, at Station 60+00 Installing 60" Culvert Pipe.
· · · · · · · · · · · · · · · · · · ·	Ralph M. Parsons Company	2/17/96 Southwest Arm at Station 60+00 Getting Ready to Start Backfilling.
	Ralph M. Parsons Company	2/17/96 Southwest arm at Station 60+00 Starting to Backfill.
	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 9+50 Showing Cross Section of Backfill.
	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 9+50 A Section of Replacement Pipe.
-	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 44+60 The Access Road Down the Center of Right of Way.
	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 44+60 Showing Culvert Pipe Being Prepared for Backfill.
	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 44+60 Showing the Ends of Pipe.
	Ralph M. Parsons Company	2/21/96 Southwest Arm at Station 60+00 Showing Cross Section of Backfill.
	Ralph M. Parsons Company	2/22/96 Southeast Arm About Station 113 Looking North, Disking Berm.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 115+00 Looking South at Disking Berm Material to Remove Moisture.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 112+00 Dozing Organic Material to the Side.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 112+00 Showing Organic Material.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 111+00 a Closer Look at the Organic Material.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 118 Looking North Showing Contrast of Organic Material.
	Ralph M. Parsons Company	2/22/96 Southeast Arm at Station 112 Looking Northeast, Compacted Berm.
	Ralph M. Parsons Company	2/22/96 Southeast Arm At Station 115 Showing a Close- Up of Removing Organic Material.
	Ralph M. Parsons Company	2/22/96 Southeast Arm Removing Unacceptable Material, as In Previous Photo.
	Ralph M. Parsons Company	2/23/96 Southwest Arm at Station 89+00 Culvert Crossing, 72" Pipe Just Arrived.
	Ralph M. Parsons Company	2/23/96 Southwest Arm at Station 89+00 Installing Culvert Pipe Bedding.
	Ralph M. Parsons Company	2/24/96 Southwest Arm at Station 123+00 Looking West.
	Ralph M. Parsons Company	2/24/96 Southwest Arm at Station 120+00, Permanent Drainage Ditch.
	Ralph M. Parsons Company	2/24/96 Southwest Arm at Station 120+00 Looking South at Permanent Drainage Ditch.
	Ralph M. Parsons Company	2/24/96 Southeast Arm at Station 113+00 Looking at Construction Equipment Being Repaired and Serviced.
	Ralph M. Parsons Company	2/24/96 Southeast Arm at Station 113+00, Looking Southeast at Berm Construction.
G960025-08-O	Ralph M. Parsons Company	2/24/96 Southeast Arm Looking North From Station 114+00 Culvert Crossing 106+00 in the Background.
	Ralph M. Parsons Company	2/24/96 Southeast Arm Looking North at Station 106+00.
	Ralph M. Parsons Company	2/27/96 Southeast Arm Progress Co-Existing Together.
G960025-11-O	Ralph M. Parsons Company	2/27/96 Southwest Arm at Station 98+00 Repairing Existing Road for Hauling
G960025-12-O	Ralph M. Parsons Company	2/27/96 Southwest Arm at Station 89+00 Clearing Away Banked Material to Receive Bedding Material.
G960025-13-O	Ralph M. Parsons Company	2/27/96 Southeast Arm at the Far End Access Road Entering From the South Showing Road Upgrade for Hauling.
	Ralph M. Parsons Company	2/27/96 Southeast Arm at Station 115+00 Removing Tree Parts.
G960025-15-O	Ralph M. Parsons Company	2/27/96 Southeast Arm at Station 114+00 Spreading out Excavated Fill to Start the Drying Process.
G960025-16-O	Ralph M. Parsons Company	2/27/96 Southeast Arm at Station 113+00 Removing Tree Parts.
G960025-17-O	Ralph M. Parsons Company	2/27/96 Southwest Arm at Station 114+00 Showing Stump Picker in Action.
	Ralph M. Parsons Company	2/27/96 Southeast Arm at Station 119+00 Windrowing Material to Eliminate Excess Moisture.
G960025-19-O	Ralph M. Parsons Company	2/27/96 Southeast Arm at Station 121+00 Looking South Showing the Results of Disking the Windrow Material.
G960025-20-O	Ralph M. Parsons Company	2/27/96 Southeast Arm Between Stations 119+00 and 121+00 Showing Disking Operation.
G960025-21-O	Ralph M. Parsons Company	2/27/96 Southeast Arm Standing at Station 112+00 Showing Berm Fill Dried and Ready for Compaction Roller.
G960025-22-O	Ralph M. Parsons Company	2/27/96 Southeast Arm Looking South at End Station 131.23, Drain Trench.
G960025-23-O	Ralph M. Parsons Company	2/27/96 Southeast Arm About Station 129+00 Looking South at Tree Parts in the Foreground and Excavated Fill in the Background.
G960025-24-O	Ralph M. Parsons Company	2/27/96 Southeast Arm Looking North About Station 129+00 Fill Drying Operation.
G960027-00-M	Fred Raab	6/25/96 LIGO: Tri-Cities Newest Science Facility.
G960028-01-O		3/1/96 Site entrance road just west of cattleguard after rainstorm
G960028-02-O		3/1/96 Site access road midway between cattle guard and creek bridge
G960028-03-O		3/1/96 Low spot just east of bridge at creek on entrance road
G960028-04-O		3/1/96 Water covering a low spot in road just west of bridge at creek on entrance road
G960028-05-O		3/1/96 Bridge at creek looking at the down stream side
G960028-06-O		3/1/96 View from bridge looking west toward site, water crossing road
G960028-07-O		3/1/96 View looking east toward bridge, same as G960028-06-O, different angle
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Document No Full Name	ContractorDocNo Doc Dt Full Title
G960028-08-O	3/1/96 Building site area at the cross roads, Stranco's backhoe digging a sump to pump
G960028-09-O	3/4/96 Southeast arm at station 109+00, showing water drainage from rain
G960028-10-O	3/4/96 Southeast arm at station 110+00 looking southeast at soil condition after rain
G960028-11-O	3/5/96 Southeast arm at station 112+00 using a dozer to blade off wet material before discing
G960028-12-O	3/5/96 Southwest arm at station 89+00 clearing away material to start excavating culvert crossing
G960028-13-O	3/5/96 Southeast arm at the far end access road entering from the south showing road up grade for hauling
G960028-14-O	3/5/96 Southwest arm at station 89+00, excavating for culvert crossing
G960028-15-O	3/5/96 Southwest arm at station 89+oo surveying locatin for culvert crossing
G960028-16-O	3/8/96 Southwest arm facing east, site conditions following rainfall
G960028-17-O	3/8/96 Southwest arm at station 111+00 facing east showing site conditions following a rainstorm
G960028-17-O	3/8/96 Southwest arm at station 98+00 where access road crosses LIGO site
G960028-19-O	3/8/96 Intersection of access roads at building site; ABMB survey crew at work.
G960028-20-O	3/8/96 At building site, off loading an additional roller compactor
G960028-21-O G960028-22-O	3/8/96 Southeast arm at station 113+00 looking north at construction drain ditch
	3/8/96 Southeast arm at station 113+00 looking south at construction drainage ditch
G960028-23-O	3/8/96 Southeast arm at station 113+00 where old road crossed the site property. Cow foot tracts on berm from old migration route assists in compaction effort.
G960028-24-O	3/8/96 Southeast arm at station 113+00 looking south at the end of the property showing the effects of rain on berm fill
G960030-01-O Ralph M. Parsons Comp	
G960030-02-O Ralph M. Parsons Comp	
G960030-03-O Ralph M. Parsons Comp	
G960030-04-O Ralph M. Parsons Comp	
G960030-05-O Ralph M. Parsons Comp	
G960030-06-O Ralph M. Parsons Comp	
G960030-07-O Ralph M. Parsons Comp	
G960030-08-O Ralph M. Parsons Comp	
G960030-09-O Ralph M. Parsons Comp	
G960030-10-O Ralph M. Parsons Comp	
G960030-11-O Ralph M. Parsons Comp	
G960030-12-O Ralph M. Parsons Comp	any 3/15/96 Typical PUD Installed Electrical Bake-Out Vault.
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp	any 3/15/96 Typical PUD Installed Electrical Bake-Out Vault. any 3/14/96 No Caption Available
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp	any 3/15/96 Typical PUD Installed Electrical Bake-Out Vault. 3/14/96 No Caption Available 3/14/96 No Caption Available
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp	any 3/15/96 Typical PUD Installed Electrical Bake-Out Vault. 3/14/96 No Caption Available any 3/14/96 No Caption Available any 3/14/96 No Caption Available any 3/14/96 No Caption Available
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp	any 3/15/96 Typical PUD Installed Electrical Bake-Out Vault. any 3/14/96 No Caption Available
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G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp G960030-17-O Ralph M. Parsons Comp G960030-18-O Ralph M. Parsons Comp	3/15/96 Typical PUD Installed Electrical Bake-Out Vault. any 3/14/96 No Caption Available any 3/14/96 Northwest Arm Looking West, Road Closed for Tumbleweed Burning. any 3/14/96 Equipment Ready for Tumbleweed Burning, Fire Department on Standby.
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp G960030-17-O Ralph M. Parsons Comp G960030-18-O Ralph M. Parsons Comp G960030-19-O Ralph M. Parsons Comp	3/15/96 Typical PUD Installed Electrical Bake-Out Vault. any 3/14/96 No Caption Available any 3/14/96 Northwest Arm Looking West, Road Closed for Tumbleweed Burning. any 3/14/96 Equipment Ready for Tumbleweed Burning, Fire Department on Standby. any 3/14/96 First Lighting of the Tumbleweed, Northwest Arm.
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp G960030-17-O Ralph M. Parsons Comp G960030-18-O Ralph M. Parsons Comp G960030-19-O Ralph M. Parsons Comp G960030-20-O Ralph M. Parsons Comp	3/15/96 Typical PUD Installed Electrical Bake-Out Vault. 3/14/96 No Caption Available 3/14/96 Northwest Arm Looking West, Road Closed for Tumbleweed Burning. 3/14/96 Equipment Ready for Tumbleweed Burning, Fire Department on Standby. 3/14/96 First Lighting of the Tumbleweed, Northwest Arm. 3/14/96 Typical Vacuum Equipment Interface Slab Walls Forming and Re-Bar Installation.
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp G960030-17-O Ralph M. Parsons Comp G960030-18-O Ralph M. Parsons Comp G960030-19-O Ralph M. Parsons Comp G960030-20-O Ralph M. Parsons Comp G960030-21-O Ralph M. Parsons Comp	3/15/96 Typical PUD Installed Electrical Bake-Out Vault. 3/14/96 No Caption Available 3/14/96 Northwest Arm Looking West, Road Closed for Tumbleweed Burning. 3/14/96 Equipment Ready for Tumbleweed Burning, Fire Department on Standby. 3/14/96 First Lighting of the Tumbleweed, Northwest Arm. 3/14/96 Typical Vacuum Equipment Interface Slab Walls Forming and Re-Bar Completed.
G960030-12-O Ralph M. Parsons Comp G960030-13-O Ralph M. Parsons Comp G960030-14-O Ralph M. Parsons Comp G960030-15-O Ralph M. Parsons Comp G960030-16-O Ralph M. Parsons Comp G960030-17-O Ralph M. Parsons Comp G960030-18-O Ralph M. Parsons Comp G960030-19-O Ralph M. Parsons Comp G960030-20-O Ralph M. Parsons Comp G960030-21-O Ralph M. Parsons Comp G960030-22-O Ralph M. Parsons Comp	3/15/96 Typical PUD Installed Electrical Bake-Out Vault. any 3/14/96 No Caption Available any 3/14/96 Northwest Arm Looking West, Road Closed for Tumbleweed Burning. any 3/14/96 Caption Available any 3/14/96 First Lighting of the Tumbleweed, Northwest Arm. any 3/14/96 First Lighting of the Tumbleweed, Northwest Arm. any 3/12/96 Typical Vacuum Equipment Interface Slab Walls Forming and Re-Bar Installation. any 3/11/96 Typical Vacuum Equipment Interface Slab Wall Forming and Re-Bar Completed. any 3/12/96 Typical Vacuum Equipment Interface Slab Wall, Forming and Re-Bar Completed. Inspected and Ready to Pour Concrete.
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Septimble Power a Company	Document No Full Name ContractorDo	cNo Doc Dt Full Title
1990 15 15 15 15 15 15 15 15	G960031-13-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 130+00 showing berm material pile that has been excavated from the trench.
	G960031-14-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 132+00, spreading out berm material to start the drying process.
	G960031-15-O	3/12/96 Southeast arm at station 132+00 looking north at base prior to starting the disking operation.
Statistical	G960031-16-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 132+00 looking Northwest before starting disking in foreground and the disking operation ongoing in the background.
Septiment Process Company Schedul Schedul Septiment Sept	G960031-17-O Ralph M. Parsons Company	3/12/96 Southeast arm looking north at station 120+00 looking at berm construction.
Septiment Sept	G960031-18-O	3/12/96 Southeast arm at station 128+00 looking at the drying of berm material.
	G960031-19-O Ralph M. Parsons Company	3/12/96 Southeast arm showing a temporary drain ditch to assist in the removal of rain water from the berm area
1905.001.002.002.002.002.002.002.002.002.002	G960031-20-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 1126+00 showing construction drain ditch used for the removal of rain water.
Miles Seption Personant Connections Miles Mi	G960031-21-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 124+00 looking at a closeup of the disking operation
	G960031-22-O	3/12/96 Southeast arm at station 123+00 looking north at material drying out from disking operation.
	G960031-23-O Ralph M. Parsons Company	
1990 1990	G960031-24-O Ralph M. Parsons Company	3/12/96 Southeast arm at station 128+00 looking at disking operation.
1999/1995 Rapid M. Harrost Company 31-9958/Subment Am. All Stories of 24 His Subsequence of Type State of Stories of Company 31-9958/Subment Am. and Stories of Type State of Company 31-9958/Subment Am. and Stories of Type State of State of Company 31-9958/Subment Am. and Stories of Type State of State of Company 31-9958/Subment Am. and Stories of Type State of State of Company 31-9958/Subment Am. and Stories of Stories of State of Company 31-9958/Subment Am. and Stories of State of St	G960032-01-O Ralph M. Parsons Company	3/15/96 Southwest Arm, Station 24+70 Installing 72" Diameter Culvert Pipe
CROSSIDATION Company Strategy Strate	G960032-02-O Ralph M. Parsons Company	3/15/96 Southwest Arm Station 24+70. Installing 72" Culvert Pipe, Ready to Wrap Joints With Geotech Material.
Controller of the Control of the Control of the Resume Companies Control of the Resume Control of	G960032-03-O Ralph M. Parsons Company	3/15/96 Southwest Arm, At Station 24+70 Showing 72" Culvert Pipe Being Moved Into Place.
CRISTIAN CONTROL CONTROL CRISTIAN Patients Company C	G960032-04-O Ralph M. Parsons Company	3/15/96 Southwest Arm at Station 24=70 Showing 72" Culvert Piping Being Installed.
	G960032-05-O	3/13/96 Southeast Arm Looking at Station 132+00, Rolling for Compaction.
	G960032-06-O Ralph M. Parsons Company	3/13/96 Southeast Arm Showing Moist Material in the Foreground, Two Compaction Rollers Working to Get the Required Compaction and a Disking Operation in the Background.
Seption Seption Person Company 31399 Submess Am Lodge 5 Executed Cipation 6 Removing Organic Material and the Excute Bigging Acceptable Material Excuted From Terch at Right.	G960032-07-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 120+00. A Dozer Moving Moist Material in Place to Start the Drying Process.
Selection Common Company 3139@Southeast Arm Locking SE af the End of the Arm Showing Tomothe Forestions 3139@Southeast Arm 3 Station 120-00 Locking With a Boost New 180 Drynt Mileties May be Oblined, the Encounted Trends Demn Area. 3139@Southeast Arm 3 Station 120-00 Locking With a Boost New 180 Drynt Mileties May be Oblined, the Encounted Trends Demn Area. 3139@Southeast Arm 3 Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With a Boost New 180 Drynt Mileties Area Station 120-00 Locking With Area Station 120-00 Locking	G960032-08-O Ralph M. Parsons Company	3/13/96 Southeast Arm Showing an Excavator Stockpiling Organic Material Off of Berm to Make Room for Acceptable Material.
	G960032-09-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 110+00 Showing the Excavator (Caption 8) Removing Organic Material and the Dozer Bringing Acceptable Material Excavated From Trench at Right.
	G960032-10-O Ralph M. Parsons Company	3/13/96 Southeast Arm Looking SE at the End of the Arm Showing Trench Excavation.
Seasons-1-10 Raigh M, Paransa Company 31/398/Southeeas Am at Station 129-10 Roving bern Material Eyrong and Collected for Dying	G960032-11-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 120+00 Looking NW at Excavated Trench, The Walls Are Left So Dryer Material May be Obtained, the Excavation is a Little Deeper to Allow for Walls to Crumple.
Sebs002.1-10 Rajh M. Paranan Company Sh1398 Southeast Arm Station 120-00 Poseground Dissect Markerial Dying and a Critider Rolling Malerall Over to Expedite the Dying Process.	G960032-12-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 119+00 Showing a Dozer Moving Material From Excavated Trench to Berm Area.
6800032-150 Raphi M. Plasson Company 3/1308 Southeast Arm at Station 11-10-00 Boxes Sproading Material Exervated From Trench to Bern 6800032-160 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-180 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-180 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-180 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-210 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-210 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-210 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-210 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 6800032-210 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-20-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-20-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-00 Raphi M. Plasson Company 3/1408 Southeast Arm at Station 11-10-00 Boxes give all the Barrish 680003-00-	G960032-13-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 128+00 Showing Berm Material Spread and Disked for Drying.
Seption A. Parison Company 3/13/85 Southeast Arm at Station 111-005 Showing a Lift of Berm Fill	G960032-14-O Ralph M. Parsons Company	3/13/96 Southeast Arm Station 120+00 Foreground Disked Material Drying and a Grader Rolling Material Over to Expedite the Drying Process.
Se00032-17-0 Rulph M. Parsons Company 91499 Southeast Arm at Station 119-00 Showing the Elevation of the Dams At New 1980-000-000-000-000-000-000-000-000-000-	G960032-15-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 112+00 a Dozer Spreading Material From the Stockpile of Material Excavated From Trench to Berm
Se0003.21-90 Rajoh M. Parsons Company 3/1406Southeast Arm at Station 116-00 Showing Exavarition of Trench and Spreading Material on Bern Alea.	G960032-16-O Ralph M. Parsons Company	3/13/96 Southeast Arm at Station 110+00 Showing a Lift of Berm Fill.
Seb0032-19-0 Sulph N. Paranons Company 311498 Southeast Arm at Station 115400 Showing the Roman to Tree Paran From the Beam Fill.	G960032-17-O Ralph M. Parsons Company	3/14/96 Southeast Arm at Station 113+00 Showing the Elevation of the Berm at the Date Shown.
G800032-20-0-0 Raiph M. Parsons Company 3/14/98 Southeast Am at Station 114-00 Grader Removing a Thin Layer of Material After a Light Rain to Start a New Lift of Bern. G800032-21-0 Raiph M. Parsons Company 3/14/98 Southeast Am at Station 124-70 Showing a Stump Place at Work. G800032-22-0 Raiph M. Parsons Company 3/14/98 Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Law Layer Pipe Ready for Backfill. G800032-22-0 Raiph M. Parsons Company 3/14/98 Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Law Layer Pipe Ready In Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm at Station 24-70 Coher Cincoling Loking New Law Layer Arm Assembly Southwest Arm Assembly Tay Law Layer Arm Southwise Coher Layer Arm Southwest Propriet Colling Loking In Tay Layer Arm Southwest Propriet Colling Loking In Tay Layer Arm Southwest Propriet Loking In Tay Layer Arm Southwest Propriet Loking In Tay Layer Arm Southwest Propriet Law Layer Arm Assembly Layer Arm Southwest Propriet Law Layer Arm Assembly Layer Arm Ass	G960032-18-O Ralph M. Parsons Company	3/14/96 Southeast Arm at Station 115+00 Showing Excavation of Trench and Spreading Material on Berm Area.
Seption 22-10 Ralph M. Parsons Company 31/498 Southeest Arm at Station 112-00 Showing a Stump Pixers of Work Seption 22-20 Ralph M. Parsons Company 31/498 Southwest Arm at Station 24-70 Showing the Culvert Pipe Being Off Loaded at Culvert Crossing Station 16-40 34/498 Southwest Arm at Station 24-70 Showing the Culvert Pipe Being Off Loaded at Culvert Crossing Station 16-40 34/498 Southwest Arm at Station 24-70 Showing the Culvert Pipe Being Off Loaded at Culvert Crossing Station 16-40 34/498 Southwest Arm at Station 24-70 Showing the Culvert Pipe Being Off Loaded at Culvert Crossing Station 16-40 34/498 Southwest Arm at Station 24-70 Showing	G960032-19-O Ralph M. Parsons Company	3/14/96 Southeast Arm at Station 115+00 Showing the Removal of Tree Parts From the Berm Fill.
Septional 2-2-0 Raiph M. Parsons Company 3/1495Southwest Arm at Station 24-70 Showing the Culvert Pipe Beady for Backfill	G960032-20-O Ralph M. Parsons Company	3/14/96 Southeast Arm at Station 114+00 Grader Removing a Thin Layer of Material After a Light Rain to Start a New Lift of Berm.
Seption 2-2-2-0 Ralph M. Parsons Company 3/1496 Southwest Arm at Station 24-70 culvert Crossing Looking NE at Culvert IPpe Being Off Loaded at Culvert Crossing Station 16+40	G960032-21-O Ralph M. Parsons Company	3/14/96 Southeast Arm at Station 112+00 Showing a Stump Picker at Work.
Septious2-24-0 Ralph M. Parsons Company 31/496 Southwest Am Showing Showing the Culvent Pipe Bedding at Station 24+70.	G960032-22-O Ralph M. Parsons Company	3/14/96 Southwest Arm at Station 24+70 Showing the Culvert Pipe Ready for Backfill.
G960036-00-D Stan Whitcomb 2/29/95/Vewgraphs for Public Lecture in New Mexico, 29 February 1996 G960038-00-M Mike Zucker 3/20/95/Interferometer Sensing & Control G960038-00-M Mike Zucker 3/20/95/Interferometer Sensing & Control G960039-00-M Mike Zucker 3/20/95/Interferometer Sensing & Control G960039-00-M Stary Barjar 3/26/95/Gpictal Baffler Protecurement G960051-00-E Dennis Corpne 2/4/95/LIGO- Presentation at IEEE 1996 Aerospace Applications Conference G960051-00-E Dennis Corpne 2/4/95/LIGO- Presentation at IEEE 1996 Aerospace Applications Conference G960051-00-B Barry Barish 3/6/95/Cpictal Baffler Protection of Gravitational Waves - Presented at U.C. Riverside, 8 February 1996 G960053-00-M Barry Barish 3/6/95/Cpictal Gaffler Protection of Gravitational Waves - Presented at U.C. Riverside, 8 February 1996 G960054-00-M Barry Barish 3/6/95/Cpictal Gaffler Protection of Gravitational Waves - Presented at U.C. Riverside, 8 February 1996 G960055-00-M Barry Barish 3/6/95/Cravitational Waves - The Status of LIGO G960055-00-M Barry Barish 1/26/95/Cravitational Waves - The Status of LIGO G960055-00-M Barry Barish 3/6/95/Systems Engineering and Integration - NSF Review Presentation for 9 April 1996 G960056-00-M Barry Barish 3/6/95/Systems Engineering and Integration - NSF Review Presentation for 9 April 1996 G960056-00-M Barry Barish 3/6/95/Systems Engineering and Integration - NSF Review Presentation for 9 April 1996 G960056-00-M Star Whitcomb 4/6/95/Spectcor Technical Update - NSF Review Presentation for 9 April 1996 G960056-00-M Star Whitcomb 4/6/95/Spectcor Technical Update - NSF Review Presentation for 9 April 1996 G960065-00-M Mark Coles 4/6/95/SF Review Presentation, Fabricaling on, Installation - NSF Review Presentation for 9 April 1996 G960066-00-M Mark Coles 4/6/95/SF Review Presentation, Fabricaling on, Installation - NSF Review Presentation for 9 April 1996 G9600060-00-M Mark Coles 4/6/95/S	G960032-23-O Ralph M. Parsons Company	3/14/96 Southwest Arm at Station 24+70 culvert Crossing Looking NE at Culvert Pipe Being Off Loaded at Culvert Crossing Station 16+40
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G960051-00-E Dennis Coyne 2/4/96_LIGO - Presentation at IEEE 1996 Aerospace Applications Conference G960052-00-M Barry Barish 2/6/96[The Detection of Gravitational Waves - Presented at U.C. Riverside, 8 February 1996 G960053-00-M Barry Barish 3/6/96 The Detection of Gravitational Waves - Presented at Harvey Mudd College, 5 March 1996 G960054-00-M Barry Barish 1/26/96[Gravitational Waves - The Status of LIGO G960055-00-M California Institute of Tech. 4/9/96[NSF Management Review Presentations, 9-11 April 1996 G960056-00-E About Lazzarini 4/9/96[Systems Engineering and Interprise in an Interprise in a March 1996 G960059-00-M Barry Barish 3/30/96[Barryon Instability Workshop - Summary Talk G960059-00-M Barry Barish 3/20/96[The LIGO Project - MIT NSF Review, 20 March 1996 G960069-00-D David Shoemaker 4/9/96[Detector Technical Update - NSF Review Presentation for 9 April 1996 G960061-00-D Stan Whitcomb 4/9/96[Detector and R&D - NSF Review Presentation for 9 April 1996 G960063-00-F Mark Coles 4/9/96[Facilities Management During Construction, Installation - NSF Review Presentation for 9 April 1996 G960065-00-F Gery Stapfer 4/9/96[Facilities Management During Construction, Installation - NSF Review Presentat	G960039-00-M Mike Zucker	3/20/96 Interferometer Sensing & Control
G960052-00-M Barry Barish 2/8/96 The Detection of Gravitational Waves - Presented at U.C. Riverside, 8 February 1996 G960053-00-M Barry Barish 3/5/96 The Detection of Gravitational Waves - Presented at Harvey Mudd College, 5 March 1996 G960054-00-M Barry Barish 1/26/96 Cravitational Waves - The Status of UCO G960055-00-M California Institute of Tech. 4/9/96 NSF Management Review Presentations, 9-11 April 1996 G960056-00-E Abert Lazzarin 4/9/96 Systems Engineering and Integration - NSF Review Presentation for 9 April 1996 G960059-00-M Barry Barish 3/30/96 Barry Instability Workshop - Summary Talk G960059-00-M Barry Barish 3/20/96 The LIGO Project - MIT NSF Review, 20 March 1996 G960069-00-D David Shoemaker 4/9/96 Detector Technical Update - NSF Review Presentation G960069-00-D Stan Whitcomb 4/9/96 Detector and R&D - NSF Review Presentation for 9 April 1996 G960069-00-P Phil Lindquist 4/9/96 Project Control Systems - NSF Review Presentation for 9 April 1996 G960069-00-P Mark Coles 4/9/96 Facilities Management During Construction, Fabrication, Installation - NSF Review Presentation for 9 April 1996 G960069-00-P California Institute of Tech. 3/20/96 Catching the Gravitational Wave - LIGO Project Informat		
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G960069-00-O 3/19/96 International Conference on Gravitational Waves: Sources and Detectors in Pisa, Italy - 19-23, March 1996		
G960075-01-I 2/20/96 Phase Noise Interferometer (PNI); Gabriela Gonzalez adjusting a suspended mirror		
	G960075-01-I	2/20/96 Phase Noise Interferometer (PNI); Gabriela Gonzalez adjusting a suspended mirror

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
G960075-02-I	Tun Name	Contractor Doctro	2/20/96 Phase Noise Interferometer (PNI); view of optics of michelson interferometer
G960075-03-I			2/20/96 Phase Noise Interferometer (PNI); view of optics of Michelson interferometer
G960075-04-I			2/20/96 Phase Noise Interferometer (PNI); view down vacuum tube towards the recycling mirror
G960075-05-I			2/20/96 Phase Noise Interferometer (PNI); view of the suspended recycling mirror
G960075-06-I			2/20/96 Phase Noise Interferometer (PNI); niew of back of recycling mirror
G960075-07-I			2/20/96 Phase Noise Interferometer (PNI); view of back of recycling mirror
G960075-07-1			2/20/96 Close-up of suspended recycling mirror, showing safety stops and suspension actuators
G960075-08-I			2/20/96 View of isolation stack, close-up of SS, Viton, top plate
G960075-10-I			2/20/96 Junk; digital oscillioscope
G960075-10-I			2/20/96 View of isolation stack, top table, and PNI optics
G960075-11-I			2/20/96 View of recycling vacuum tube from the exterior
G960075-12-I			2/20/96 Phase Noise Interferometer (PNI); view down vacuum tube towards the recycling mirror
G960075-13-I			2/20/96 Phase Noise Interferometer (PNI); view down the vacuum tube towards the recycling mirror
G960075-14-I			2/20/96 View of Phase Noise Interferometer (PNI), view down the vacuum tube towards the recycling militor 2/20/96 View of Phase Noise Interferometer (PNI) central tank seismic isolation system
G960075-15-I			2/20/96 Collection of vacuum-cleaned hardware in clean bench, Phase Noise Interferometer (PNI)
G960075-16-1			
			2/20/96 Phase Noise Interferometer (PNI); input optics for argon laser light source 2/20/96 Phase Noise Interferometer (PNI); electronics for non-recycled Michelson phase of research
G960075-18-I			
G960075-19-I			2/20/96 Phase Noise Interferometer (PNI); obsolete ion pump
G960075-20-I	0		2/20/96 Bridgeport milling machine, circa 1950, in MIT lab machine shop
G960077-00-M	· · · ·		4/15/9640 Meter Interferometer Schedule Planning and Tracking
	Kent Blackburn	D0404704	2/26/96 LIGO - Progress and Prospects - Presentation at International Stefan Banach Center, Institute of Mathematics, Polish Academy of Science, Warsaw, Poland
G960079-00-D	T	PC164701	3/22/96 LIGO Pathfinder Optics Photographs
G960081-00-M			1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
	Kent Blackburn		1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
G960081-00-M			1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
G960081-00-M			1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
G960081-00-M			1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
G960081-00-M	Fred Raab		1/15/96 Time-Domain Behavior of the 40-Meter Interferometer
G960083-00-E	Landan Oann		4/17/96LIGO - VIRGO: Meeting on Data Formats and Data Distribution, 17-18 April 1996, Pasadena
G960084-00-M			4/30/96 Length Sensing & Control Subsystem Design Requirements Review, 30 April 1996
G960084-00-M			4/30/96 Length Sensing & Control Subsystem Design Requirements Review, 30 April 1996
G960084-00-M			4/30/96 Length Sensing & Control Subsystem Design Requirements Review, 30 April 1996
G960085-00-M	•		4/9/96 LIGO: Status and Review, NSF Review of 9-11 April 1996
	Ralph M. Parsons Company		4/4/96 Another View of the Beam Tube Enclosure Alignment Groove.
	Ralph M. Parsons Company		4/4/96 Set up of the Gravel Wash and Segregation Plant Near the LIGO Site.
	Ralph M. Parsons Company		4/9/96 Northwest Arm Near the Mid Station Poor Cohesionless Soil (Black Sand) Conditioned Were Found.
	Ralph M. Parsons Company		4/9/96 Northwest Arm Near the End Station Wet (27% Moisture) Soil Was Encountered.
-	Ralph M. Parsons Company		4/9/96 At the Acme Yard in Richland, the Contractor Started Preparing the Area for the Beam Tube Enclosures Precast Operation. Rebar Bending Template for all Types of Enclosures.
	Ralph M. Parsons Company		5/23/96 Small Hole in the Steam Distribution Pipe Will Provide Steam Curing for the Initial in Form Curing of the Beam Tube.
	Ralph M. Parsons Company		4/9/96 The Steam Generating Plant Installed to Support the Curing Operation.
-	Ralph M. Parsons Company		4/9/96 Steam Distribution Pipe for the Initial Curing Activities.
	Ralph M. Parsons Company		4/9/96 Acme Fabricated From Plate the Special Tool That Provided the Beam Tube Enclosure Alignment Groove.
	Ralph M. Parsons Company		4/10/96 Different View of the Forms as They Arrived at the Acme Yard.
	Ralph M. Parsons Company		4/10/96 The First Forms Arrived by Truck From Canada.
	Ralph M. Parsons Company		4/10/96 Finishing Touches for the Vacuum Equipment Interface Slabs. Man Working on the Beam Tube Enclosure Alignment Groove.
	Ralph M. Parsons Company		4/16/96 Fabricating The First Rebar Mat for the Beam Tube Enclosures.
	Ralph M. Parsons Company		4/18/96 Concrete is Placed by Utilizing a Concrete Bucket to Place the Concrete Into the Form. The Vibrators are Attached to the Outside of the Formwork.
	Ralph M. Parsons Company		4/10/96 Rebar Bending Operation Utilizing the Fabricated Template.
	Ralph M. Parsons Company		4/12/96 Another View of the Geotextile Fabric Installation. The Capillary Barrier Could not be Placed by Belly Dumps, Rather it was Placed on the Side of the Excavation and Pushed in Place by Graders.
	Ralph M. Parsons Company		4/12/96 Geotextile Fabric Was Purchased and Placed in the Areas Where the Black Sand and Wet Soil Were Encountered.
	Ralph M. Parsons Company		4/12/96 Completed Vacuum Equipment Interface Slab at the Corner Station
	Ralph M. Parsons Company		4/16/96 Completed Covering the Geotextile Fabric With the Layer of the Capillary Barrier.
	Ralph M. Parsons Company		4/16/96 Completed Vacuum Equipment Interface Slabs at the Mid Station.
	Ralph M. Parsons Company		4/16/96 Material Production Will Continue until Adequate Quantities Have Been Produced for Paving of the Beam Tube Slab.
	Ralph M. Parsons Company		4/17/96 Another View of the Aggregate Material Production for the Beam Tube Concrete Slab. In the Foreground are the Batch Plant Footings. The Water is From Rock Washing. In Future, Large Sprayers will Disperse the Excess Water in the Dese
	Ralph M. Parsons Company		4/17/96 View of the Completed Segments in the Storage Area at Acme's Yard. These Units Will be Utilized for the Mock-up Presentation.
G960090-03-O	Ralph M. Parsons Company		4/11/96 After the Concrete Has Been Placed the Foundation is Sprayed With White Pigmented Curing Compound.

Document No Full Name	ContractorDocNo Doc Dt Full Title
G960090-04-O Ralph M. Parsons Company	4/17/96 Precast Yard Segment Lifting Assembly.
G960090-05-O Ralph M. Parsons Company	4/17/96 Another Close-up View of the Lifting Assembly.
G960090-06-O Ralph M. Parsons Company	4/17/96 Close-up of the Lifting Assembly and Attachment to the Segment in Preparation for Lifting.
G960090-07-O Ralph M. Parsons Company	4/17/96 First Complete Precast Type "C" Beam Tube Enclosure Continually.
G960090-08-O Ralph M. Parsons Company	4/17/96 First Completed Precast Type "A" Beam Tube Enclosure Service Entrance.
G960090-09-O Ralph M. Parsons Company	4/17/96 PUD Electrical Vault Near the END Station (Note the Difference in Elevation)
G960090-10-O Ralph M. Parsons Company	4/17/96 PUD Installing the Temporary Transformer for Power to the Trailers
G960090-11-O Ralph M. Parsons Company	4/17/96 Steam Generation For the Initial Curing of the Beam Tube Enclosures Before Stripping the Forms
G960090-12-O Ralph M. Parsons Company	4/17/96 Another View of the Steam System That is Used for Initial Curing of The Segments While in the Form.
G960090-19-O Ralph M. Parsons Company	4/9/96 Close-up View of the Soil (Black Sand)
G960091-01-O Ralph M. Parsons Company	4/18/96 No Caption Available
G960091-03-O Ralph M. Parsons Company	4/18/96 View of the Completed Segments in the Storage Area at Acme's Yard. These Units Will be Utilized for the Mock-Up Presentation.
G960091-04-O Ralph M. Parsons Company	4/18/96No Caption Available
G960091-05-O Ralph M. Parsons Company	4/18/96 Set up of the Formwork for Placing Concrete
G960091-06-O Ralph M. Parsons Company	4/18/96 Another View of the Forms. Service Entrance and Type "C"
G960091-07-O Ralph M. Parsons Company	4/10/96 Concrete is Placed By Utilizing a Concrete Bucket to Place the Concrete Into the Form. The Vibrators Are Attached to the Outside of the Formwork.
G960091-08-O Ralph M. Parsons Company	4/18/96 Traveling Bucket With the Concrete. The Bucket Holds Approximately 1/2 Yard of Concrete and a Typical Type "C" Form Will Require Approximately 5 Cubic Yards of Concrete.
G960092-00-O Ralph M. Parsons Company	3/22/96 Date: 3/22/96 Typical Excavation Along the Both Arms for the Installation of The Capillary Barrier.
G960092-01-O Ralph M. Parsons Company	3/24/96 Typical Placement of the First Layer of the Capillary Rock Along Both Arms
G960092-03-O Ralph M. Parsons Company	3/28/96 Typical Placement of the Second Layer of the Capillary Rock Along Both Arms
G960092-04-O Ralph M. Parsons Company	3/26/96 First of the Rock Washing Equipment Arrived at Site.
G960092-05-O Ralph M. Parsons Company	3/25/96 Temporary Water Line to the Batch Plant, the Road and BTE Crossing Has Been Completed
G960092-06-O Ralph M. Parsons Company	3/25/96 Temporary Field Offices Arrive and Were Set Into Position.
G960092-07-O Ralph M. Parsons Company	4/4/96 Placing Concrete for the Vacuum Equipment Interface Slab at the Northwest Arm Corner Station.
G960092-08-O Ralph M. Parsons Company	4/4/96 Continuing to Place, Until Done, Concrete for the Vacuum Equipment Interface Slab at the Northwest Arm Corner Station.
G960092-09-O Ralph M. Parsons Company	4/4/96 Continuing to Place, Until Done, Concrete. Quality Assurance Activity in the Foreground.
G960092-10-O Ralph M. Parsons Company	3/26/96 Scraper Excavating Along the Beam Tube for Placement of the Capillary Barrier on the Southwest Arm.
G960092-11-O Ralph M. Parsons Company	3/26/96 Scraper Continues the Excavation Along the Southwest Arm
G960092-12-O Ralph M. Parsons Company	3/21/96 Excavation From the Corner Station to the Mid Station Along the Southwest Arm Has Been Virtually Completed.
G960092-13-O Ralph M. Parsons Company	3/25/96 Power and Steam Generator for Curing the Precast Beam Tube Enclosure Segments After Concrete Placement
G960092-14-O Ralph M. Parsons Company	3/25/96 Steam Line and Temporary Bolt Down of the Forms
G960092-15-O Ralph M. Parsons Company	3/25/96 After Stripping of the Beam Tube Enclosures the Units Will be Moved to These Pads for Storage.
G960092-16-O Ralph M. Parsons Company	3/25/96 Clearing the Temporary Area for the Rock Washing Equipment and Concrete Batch Plant.
G960092-17-O Ralph M. Parsons Company	3/29/96 Clearing Area in Preparation for the Concrete Batch Plant.
G960092-18-O Ralph M. Parsons Company	3/29/96 Clearing Area in Preparation for the Concrete Batch Plant
G960092-19-O Ralph M. Parsons Company	3/25/96Hanford Gravel Pit Number 6 Where Acme is Set Up for Mining and Crushing Gravel for the LIGO Site.
G960092-20-O Ralph M. Parsons Company	3/25/96 Different View of Hanford Gravel Pit Number 6.
G960092-21-O Ralph M. Parsons Company	3/27/96 Typical Sequence of Work for the Vacuum Equipment Interface Slab Walls, Forming.
G960092-22-O Ralph M. Parsons Company	3/27/96 Typical Sequence of Work for the Vacuum Equipment Interface Slab Walls, Concrete.
G960092-23-O Ralph M. Parsons Company	3/27/96 Typical Sequence of Work for the Vacuum Equipment Interface Slab Walls, Stripping Forms, Filling the Snap Tie Voids and Backfilling.
G960092-24-O Ralph M. Parsons Company	3/29/96 Installing Forms and Rebar, and Ground Wire for the Vacuum Equipment Interface Slab.
G960092-25-O Ralph M. Parsons Company	3/29/96 Installing Forms and Rebar, and Ground Wire for the Vacuum Equipment Interface Slab. Cad-Weld Ground Wire to the Rebar.
G960092-26-O Ralph M. Parsons Company	3/29/96 Installing Forms and Rebar, and Ground Wire for the Vacuum Equipment Interface Slab, Final Check and Inspection.
G960095-01-O Ralph M. Parsons Company	3/15/96 Southeast Arm at Station 110+00 Looking North at Survey Crew Taking Berm Fill Quantities.
G960095-02-O Ralph M. Parsons Company	3/15/96 Southeast Arm Surveyor Working on Quantity Checks, Loose Fill Factors are Considered and Agreed to in Each Measurement.
G960095-03-O Ralph M. Parsons Company	3/15/96 Southeast Arm at Station 115+00 Disking Berm Material to Remove Moisture.
G960095-04-O Ralph M. Parsons Company	3/15/96 Southeast arm at Station 115+00 Shaping the Berm Slopes.
G960095-05-O Ralph M. Parsons Company	3/18/96 Access Road Entering Site East of Bridge, Barley Visible in the Background, Taken the Morning After the Storm the Night Before, 18" deep +
G960095-06-O Ralph M. Parsons Company	3/18/96 This Was Taken on the Access Road, East of Bridge at the Intersection of the Service Road Looking North.
G960095-07-O Ralph M. Parsons Company	3/18/96 The Same Location as in G960095-06-O Except Looking at Bridge in the Background.
G960095-08-O Ralph M. Parsons Company	3/18/96 This Shot is on the Access Road Looking at the Intersection as Described in Photographs G960095-06/07-O
G960095-09-O Ralph M. Parsons Company	3/18/96 This is On the Access Road Into Site Showing a Small Creek Backing Up Over Road. The Tall Trees in the Background is Where the Cattleguard Is.
G960095-10-O Ralph M. Parsons Company	3/18/96 A Closer View of the Photo G960095-10-O, Showing the Small Creek Back Up.
G960095-11-O Ralph M. Parsons Company	3/18/96 The Main Access Road to the Site, Showing Small Drainage Ditch Overflowing the Road, the Cattleguard at the Tall Trees.
G960095-12-O Ralph M. Parsons Company	3/18/96A Close up View Showing Flooding of the Road West of the Cattleguard.
G960095-13-O Ralph M. Parsons Company	3/18/96 This is the South Entrance Road to the End of the Southeast Arm, Showing Flooding of Road.
G960095-14-O Ralph M. Parsons Company	3/18/96 Southeast Arm Looking at the Disking Operation to Dry Out the Soil About Station.

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G960095-15-O Ralph M. Parsons Company	3/19/96 Southeast Arm at Station 115+00 Looking at the End of the Arm, Drying Out Berm Material.
G960095-16-O Ralph M. Parsons Company	3/20/96 Southeast Arm at Station 115+00 Looking Northwest at Culvert Crossing 106+00 Showing Drying of Material.
G960095-17-O Ralph M. Parsons Company	3/20/96 Southwest Arm Showing Culvert Pipe at Crossing 24+60 Back Filling Operation.
G960095-18-O Ralph M. Parsons Company	3/20/96 Southwest Arm Looking Northeast At Culvert Crossing 24+60
G960095-19-O Ralph M. Parsons Company	3/21/96 Southeast at Station 111+00 Showing Removing of Organic Soil to be Replaced by Excavated Material.
G960095-20-O Ralph M. Parsons Company	3/21/96 Southeast Arm at Station 110+00 Showing Two Excavators Removing Fill From Trench and a Dozer Spreading Fill Into Place.
G960095-21-O Ralph M. Parsons Company	3/21/96 Southeast Arm at Station 112+00 Showing Grader Wing Rowing Soil to Expedite the Drying Process.
G960095-22-O Ralph M. Parsons Company	3/21/96 Southeast Arm Showing Disking Operation at Station 130+00
G960095-23-O Ralph M. Parsons Company	3/22/96 Southeast Arm at Station 117+00 Showing a Road Grader Wind Rowing the Lastest Lift to Help the Drying Process.
G960095-24-O Ralph M. Parsons Company	3/22/96 Southeast Arm at Station 129+00 Looking Northwest at the Trench on the right and the Berm on the Left.
G960097-01-O Ralph M. Parsons Company	4/9/96 Southeast Arm at Station 110+00 Looking North. Processing Material for Drying.
G960097-02-O Ralph M. Parsons Company	4/9/96 Same as Previous Picture.
G960097-03-O Ralph M. Parsons Company	4/9/96 Southeast Arm at Station 110+00 Looking Southeast Shaping Up the Berm
G960097-04-O Ralph M. Parsons Company	4/9/96 Southeast Arm at Station 111+00 Looking Southeast. Cleanup of Slopes of Berm
G960097-05-O Ralph M. Parsons Company	4/9/96 Southwest Arm at Station 31+00. Excavating for First Lift of Berm.
G960097-06-O Ralph M. Parsons Company	4/9/96 Southwest Arm at Station 31+00 Looking Northeast. Placing the First Lift on Berm
G960097-07-O Ralph M. Parsons Company	4/9/96 Southeast Arm at Station 99+00 Looking Northwest. Processing Subbase Material.
G960097-08-O Ralph M. Parsons Company	4/9/96 Southwest Arm at Station 99+00 Looking Southeast. Processing First Lift From 106+00 To 110+00
G960097-09-O Ralph M. Parsons Company	4/9/96 Southeast Arm at Station 110+00 Looking Northwest. Excavating and Stockpiling Material for Berm
G960097-10-O Ralph M. Parsons Company	4/10/96 Southeast Arm at Station 106+00 Looking Northwest. Processing First Lift.
G960097-11-O Ralph M. Parsons Company	4/11/96 Southeast Arm at Station 118+00 Looking Southeast. Lift Previously Placed on Berm.
G960097-12-O Ralph M. Parsons Company	4/11/96 Southeast Arm at Station 118+00 Looking Northwest. Fill Previously Placed on Berm
G960097-13-O Ralph M. Parsons Company	4/11/96 Southeast Arm at Station 97+00 Looking Southeast. Processing Subbase.
G960097-14-O Ralph M. Parsons Company	4/11/96 Southeast Arm at Station 100+00. Turning Stockpiles to Allow Drying.
G960097-15-O Ralph M. Parsons Company	4/11/96 Southwest Arm at Station 44+00. Excavation for First Lift on Berm
G960097-16-O Ralph M. Parsons Company	4/11/96 Southwest Arm at Station 44+00. Excavating for First Lift on Berm.
G960097-17-O Ralph M. Parsons Company	4/11/96 Southwest Arm Placing Fill on Berm.
G960097-18-O Ralph M. Parsons Company	4/11/96 Southwest Arm Placing Fill on Berm.
G960097-19-O Ralph M. Parsons Company	4/11/96 Southwest Arm at Station 39+00 Looking Northeast. First Lift on Berm. Prepared for Testing.
G960097-20-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960097-21-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960097-22-O Ralph M. Parsons Company	
G960097-23-O Ralph M. Parsons Company	
G960097-24-O Ralph M. Parsons Company	
G960098-01-O Ralph M. Parsons Company	. 0 . 0
G960098-02-O Ralph M. Parsons Company	4/12/96 Southeast Arm at Station 110+00, Looking at Berm (left) and Trench Filled With Water and Small Fish.
G960098-03-O Ralph M. Parsons Company	
G960098-04-O Ralph M. Parsons Company	
G960098-05-O Ralph M. Parsons Company	
G960098-06-O Ralph M. Parsons Company	
G960098-07-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960098-08-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960098-09-O Ralph M. Parsons Company	
G960098-10-O Ralph M. Parsons Company	, , , , , , , , , , , , , , , , , , ,
G960098-11-O Ralph M. Parsons Company	
G960098-12-O Ralph M. Parsons Company	
G960098-13-O Ralph M. Parsons Company	
G960098-14-O Ralph M. Parsons Company	
G960098-15-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960098-16-O Ralph M. Parsons Company	, , , , , , , , , , , , , , , , , , ,
G960098-17-O Ralph M. Parsons Company	
G960098-18-O Ralph M. Parsons Company	
G960098-19-O Ralph M. Parsons Company	
G960098-20-O Ralph M. Parsons Company	
G960098-21-O Ralph M. Parsons Company	· · · · · · · · · · · · · · · · · · ·
G960098-22-O Ralph M. Parsons Company	
G960098-23-O Ralph M. Parsons Company	4/26/96 Southeast Arm at Station 110+00 Showing West Side of Berm.

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G960098-24-O Ralph M. Parsons Company	4/26/96 Southeast Arm at Station 109+00 Looking SE on Top of Berm.
G960099-01-O Ralph M. Parsons Company	4/1/96 Cleaning Equipment at the Southeast Arm.
G960099-02-O Ralph M. Parsons Company	4/1/96 Southeast Arm Excavating Material for 5th Lift at Station 111+00.
G960099-03-O Ralph M. Parsons Company	4/11/96 Southeast Arm Placing the 5th Lift at Station 112+00.
G960099-04-O Ralph M. Parsons Company	4/1/96 Southeast Arm Discing and Drying at Station 118+00
G960099-05-O Ralph M. Parsons Company	5/31/96 Same as Previous Picture.
G960099-06-O Ralph M. Parsons Company	4/11/96 Southeast Arm Excavating Fill At Station 110+00.
G960099-07-O Ralph M. Parsons Company	4/1/96 Southeast Arm. Method for Claiming Fill Material From Trench While Avoiding Water.
G960099-08-O Ralph M. Parsons Company	4/1/96 Same as Previous Picture.
G960099-09-O Ralph M. Parsons Company	4/1/96 Quality Supervision in Action.
G960099-10-O Ralph M. Parsons Company	4/1/96 Equipment Brought in for Upkeep of Site Equipment.
G960099-11-O Ralph M. Parsons Company	4/1/96 Southeast Arm. Water Crossing Access Road to Station 110+00.
G960099-12-O Ralph M. Parsons Company	4/1/96 Southeast Arm. Processing Subbase for Drying Between Stations 107+00 and 110+00.
G960099-13-O Ralph M. Parsons Company	4/3/96 Southeast Arm Allowing Subbase Material to Dry Between Discing and Rolling.
G960099-14-O Ralph M. Parsons Company	4/3/96 Southeast Arm. Excavating Fill for Berm.
G960099-15-O Ralph M. Parsons Company	4/3/96 Southeast Arm. Removing Large Roots From Fill.
G960099-16-O Ralph M. Parsons Company	4/3/96 Southeast Arm. Processing Fill at Station 124+00.
G960099-17-O Ralph M. Parsons Company	4/3/96 Southeast Arm. Spreading Fill for Next Lift Beside the Berm at Station 130+00.
G960099-18-O Ralph M. Parsons Company	4/3/96 New Equipment Delivered for Southwest Arm Base Preparation.
G960099-19-O Ralph M. Parsons Company	4/3/96 Southwest Arm Facing Northeast. Beginning Base Preparation at Station 38+00.
G960099-20-O Ralph M. Parsons Company	4/3/96 Southwest Arm. Discing Subbase Material at Station 38+00.
G960099-21-O Ralph M. Parsons Company	4/3/96 Same as Previous Picture.
G960099-22-O Ralph M. Parsons Company	4/3/96 Southwest Arm. Discing Subbase Material at Station 38+00.
G960099-23-O Ralph M. Parsons Company	4/3/96 Southwest Arm. Dressing Up in Preparation for Subbase Work at Station 39+00.
G960100-01-O Ralph M. Parsons Company	4/19/96 Subgrade Preparation for the Beam Tube Slab is Ongoing Along Both the Northwest and the Southwest Arm
G960100-02-O Ralph M. Parsons Company	4/25/96 Acme Has Completed the Placing of Capillary Rock for the Northwest and the Southwest Arm Beam Tube Slab. Placing and Compacting the Final Lift of Base Material is Ongoing.
G960100-03-O Ralph M. Parsons Company	5/9/96 Final Cut of the Base Material to the Bottom of Concrete for the Beam Tube Slab Elevation and Final Compaction is Ongoing for the Northwest and the Southwest Arm.
G960100-04-O Ralph M. Parsons Company	4/19/96 Sand for Concrete Batching is a By-Product of the Gravel Washing and Segregating Operation Which is an On-Site Activity by Acme.
G960100-05-O Ralph M. Parsons Company	4/19/96 3/4" Gravel is Washed and Segregated From the Rock Delivered to the LIGO Site From the Hanford Gravel Pit Number 6.
G960100-06-O Ralph M. Parsons Company	4/19/96 Adequate Quantities of Sand, 3/4", and 1 1/2" Rock Have Been Stockpiled for Concrete Batching as is Required for the Beam Tube Slabs Slipforming.
G960100-07-O Ralph M. Parsons Company	4/25/96 Completed Vacuum Equipment Interface Slab at the Northwest Arm Corner Station.
G960100-08-O Ralph M. Parsons Company	4/25/96 Completed Vacuum Equipment Interface Slab at the Southwest Arm Corner Station. Electrical Ductbank Excavation in the Background.
G960100-09-O Ralph M. Parsons Company	4/25/96 View of the Northwest Arm End Station Area. The Covered for Curing Vacuum Equipment Interface Slab in the Background.
G960100-10-O Ralph M. Parsons Company	5/9/96 Final Elevation Has Been Cut for the Beam Tube Slab Bottom of Concrete in Preparation for Setting Rebar.
G960100-11-O Ralph M. Parsons Company	5/9/96 Subcontractor to Acme, Columbia Steel & Iron Started the Layout for the Rebar.
G960100-12-O Ralph M. Parsons Company	5/9/96 Rebar is Set on Dobies to the Proper Spacing. Rebar Mats are Tied to the Dimensions Between the Contraction/Expansion Joints.
G960100-13-O Ralph M. Parsons Company	4/25/96 Excavating Test Holes, in the Area of the Future Septic Leach Field, for the Department of Health Inspector.
G960100-14-O Ralph M. Parsons Company	4/25/96 Inspecting the Soil at the -2' Elevation From the Natural Grade. the Inspection is Witnessed by the Parsons Civil Engineer for Accuracy.
G960100-15-O Ralph M. Parsons Company	4/25/96 Soil Analysis by the Department of Health Inspector Continued at the -4' Elevation From Natural Grade.
G960100-16-O Ralph M. Parsons Company	4/25/96 Soil Analysis by the Department of Health Inspector Continued.
G960100-17-O Ralph M. Parsons Company	4/25/96 Soil Analysis by the Department of Health Inspector Continued. Parsons Civil Engineer Continued the Inspection. Picture Same as Previous in a Different Light.
G960100-18-O Ralph M. Parsons Company	4/25/96 Soil Analysis by the Department of Health Inspector was Completed. Area Seems to be Acceptable for a Leach Field. Final Report Will be Issued to Parsons.
G960101-00-M Gary Sanders	4/25/96 LIGO 40 Meter Schedule Model.
G960103-00-D Lisa Sievers	4/23/96 Conceptual Design Part 1: Control System Design
G960105-00-D Peter Fritschel	1/26/96 Interferometry for Gravity Wave Detection
G960108-00-M Barry Barish	1/6/97 Program Advisory Committee, 6-7 January 1997 - LIGO
G960109-00-D Alex Abramovici	4/29/96 Prediction of Test Mass Thermal Noise by Measurement of the Anelastic Aftereffect
G960109-00-D Mark A. Beilby	4/29/96 Prediction of Test Mass Thermal Noise by Measurement of the Anelastic Aftereffect
G960109-00-D Peter Saulson	4/29/96 Prediction of Test Mass Thermal Noise by Measurement of the Anelastic Aftereffect
G960110-00-R R. Poggiani	5/1/96 Presentation to LIGO Group, dated 1 May 1996
G960111-00-O	7/6/95 Invitation for Ceremony to Commemorate the Inauguration of Construction of the Laser Interferometer Gravitational-Wave Observatory
G960112-00-D Stan Whitcomb	5/3/96 Nd: YAG Laser Procurement.
G960113-00-F Mark Coles	5/8/96 LIGO'S Plans, Schedule, and Capabilities.
G960113-00-F David Shoemaker	5/8/96 LIGO'S Plans, Schedule, and Capabilities.
G960114-00-F Mark Coles	5/1/96 The Status of LIGO.
G960115-00-M Barry Barish	5/9/96 LIGO - A View of and from the Bulldozers
G960117-00-P Michael Taylor	3/28/96 JPL Quarterly Report for LIGO Mission Assurance Support

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G960117-00-P Jo		3/28/96 JPL Quarterly Report for LIGO Mission Assurance Support
G960119-00-P Bi		5/10/96 "Minibake" Discussion
G960120-00-F Ma		5/14/96 Field Mini-Bake Objectives and Motivations.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 73+00 Showing Small Imprint That the Tire is Making on Compacted Soil.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 73+00 Looking Southwest at Culvert 92+60, at Pipeline Location.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 73+00 Showing the Quality of Soil After Compaction is Done.
	Ralph M. Parsons Company	5/1/96 Southeast Arm Number One at Station 97+00 Showing Berm Material After Being Plowed Up With Grader to Remove Moisture.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 79+00 Showing Excavated Material Being Spread to Create a Lift of Berm.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 79+00 Showing Construction of a Lift of Berm.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 41+00 looking Northeast Showing the Height of Berm About Half the Finished Height.
	Ralph M. Parsons Company	5/1/96 Southwest Arm Number Two at Station 43+00 Showing Organic Material Being Excavated So Acceptable Soil May Be Installed.
	Ralph M. Parsons Company	5/1/96 Southwest Arm Showing Bem Construction at Station 98+00.
	Ralph M. Parsons Company	5/1/96 Southwest Arm Number Two at Station 98+00 Showing the Extent of Organic Material (Left Side of Photo).
	Ralph M. Parsons Company	5/4/96 Southwest Arm Number Two at Station 98+00 Showing the Organic Material.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 82+00 Looking Northeast at Pipeline Crossing in Background. Note Organic Material on Right.
	Ralph M. Parsons Company	5/6/96 Southwest Arm at Station 80+00 Looking Northwest at the Extent of Organic Material on Left.
	Ralph M. Parsons Company	5/6/96 Southwest Arm at Station 121+00 Looking Northeast at Base Preparation Showing Exposing Organic Material to be Removed.
	Ralph M. Parsons Company	5/6/96 Southwest Arm at Station 121+00 Showing Removing Organic Material to Facilitate Berm Base Construction.
	Ralph M. Parsons Company	5/1/96 Southwest Arm at Station 11+00 Excavating Good Material From Trench for Berm Construction.
	Ralph M. Parsons Company	5/1/96 Southwest Arm Number Two at Station 19+00 Building Berm With Excavated Material.
	Ralph M. Parsons Company	5/1/96 Birds and Cows Watching and Discussing the New Look of Their Home.
	Ralph M. Parsons Company	5/4/96 Southwest Arm at Station 27+00 Showing Disked Material on Berm Drying Out for Compaction.
	Ralph M. Parsons Company	5/4/96 Southeast Arm at Station 97+00 Showing Organic Material Removed and Acceptable Material Installed in Its Place.
	Ralph M. Parsons Company	5/4/96 Southeast Arm at Station 100+00 Looking Southeast at Berm Approximately One Foot Below Finish Grade.
	Ralph M. Parsons Company	5/1/96 Southeast Arm at Station 116+00 Plowing a Low Area After Rain to Dry Out Soil Base for Compaction.
	Ralph M. Parsons Company	5/4/96 Southeast Arm at Station 87+00 Showing Disked Material in Foreground and Compaction in the Background.
	Ralph M. Parsons Company	5/3/96 Southeast Arm at Station 86+00 Showing Berm Building Operation and Clear Skies.
	Ralph M. Parsons Company	5/11/96 The Subgrade Preparation is Completed and the Southwest Arm is Ready for the Rebar Installation.
	Ralph M. Parsons Company	5/15/96 Typical Rebar Mats Installed Along the Southwest Arm.
	Ralph M. Parsons Company	5/15/96 General Process of the Rebar Mat Installation.
	Ralph M. Parsons Company	5/18/96 Placing the Rebar for the Beam Tube Enclosure Support Slab. Alternate Sections of Mats Were Placed Until the Dowel Baskets Arrived.
	Ralph M. Parsons Company	5/18/96 Typical Installation of the Dowel Basket at the Slab Joint Location.
	Ralph M. Parsons Company	5/18/96 Completed Section of the Rebar Installed Along the Southwest Arm.
	Ralph M. Parsons Company	5/18/96 Close-up of the Typical Rebar Mat.
	Ralph M. Parsons Company	5/18/96 Dowel Baskets Arrived Assembled and Ready for Installation.
	Ralph M. Parsons Company	5/18/96 Another and Final View of the Installed Rebar Mats.
	Ralph M. Parsons Company	5/15/96 The Beam Tube Access Road Subgrade Preparation With of Cap Rock and 4" of Road Base Material.
	Ralph M. Parsons Company	5/19/96 Completed the Temporary Batchplant Footings.
	Ralph M. Parsons Company	5/15/96 Close-up of the Dowel Basket at a Typical Beam Tube Slab Joint Location.
G960124-13-O	,	5/11/96No Caption Provided
	Ralph M. Parsons Company	5/14/96 Batch Plant Equipment Arrival.
	Ralph M. Parsons Company	5/11/96 Conveyors for the Gravel and Sand Delivery to the Batch Plant Arrived.
	Ralph M. Parsons Company	5/16/96 One Hundred Ton Lampson Crane is Assisting in the Batch Plant Erection.
	Ralph M. Parsons Company	5/18/96 Batch Plant Erection Continued.
	Ralph M. Parsons Company	5/15/96 Batch Plant Erection Virtually Completed.
	Ralph M. Parsons Company	5/18/96 The Assembly of the Concrete Belt Placer Continued Near the Southwest Arm End Building.
	Ralph M. Parsons Company	5/18/96 Different view of the Belt Placer.
	Ralph M. Parsons Company	5/18/96 Hydraulic Crane is Assisting in the Assembly of the Belt Placer.
	Ralph M. Parsons Company	5/11/96 Ductile-Iron Pipe With Mechanical Joint Arrived.
	Ralph M. Parsons Company	5/16/96 Pipe Bed Preparation for the Ductile-Iron Underground Fire Line Crossing Under the Beam Tube Slab.
	Ralph M. Parsons Company	5/16/96 Fire Line Installed and Ready for Hydro Test.
	Ralph M. Parsons Company	5/11/96 Duct Bank Trench. Previously Damaged Grounding Cable Was Repaired.
	Ralph M. Parsons Company	5/16/96 Benton PUD Installed Fuse Box Near the Corner Station.
	Ralph M. Parsons Company	5/11/96 Benton PUD Installed Electrical Bake-Out Vault Near the Corner Station.
	Ralph M. Parsons Company	5/11/96 Completed Beam Tube Enclosure Segment at the Acme Precast Yard.
	Ralph M. Parsons Company	5/11/96 Exterior View of the Beam Tube Enclosure Segments.
	Ralph M. Parsons Company	5/17/96 Q/C Work Started for the Beam Tube Enclosure Segments.

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G960124-31-O Ralph M. Parsons Company	5/15/96 CBI Mobilizing Their Offices at Site.			
G960124-32-O Ralph M. Parsons Company	5/15/96 CBI Mobilizing Their Offices at Site.			
G960124-33-O Ralph M. Parsons Company	5/16/96 CBI Mobilizing Their Offices at Site.			
G960127-00-B Larry Jones	5/29/96 Viewgraphs for Beam Tube from PC Meeting of 29 May 1996			
G960130-00-D Mal Gray	5/24/96 An Interferometric Displacement Sensor for Test Mass Location			
G960130-00-D Hans Bachor	5/24/96 An Interferometric Displacement Sensor for Test Mass Location			
G960130-00-D David Mcclelland	5/24/96An Interferometric Displacement Sensor for Test Mass Location			
G960131-01-O Ralph M. Parsons Company	5/24/96 The LIGO Project Sign.			
G960131-02-O Ralph M. Parsons Company	5/22/96Acme's On-Site Batch Plant Ready for Operation.			
G960131-03-O Ralph M. Parsons Company	5/22/96 The Gravel and Sand Supply Conveyors for Batching Concrete.			
G960131-04-O Ralph M. Parsons Company	5/22/96On Site Batch Plant Control Center, Personnel Working on Final Set-up.			
G960131-05-O Ralph M. Parsons Company	5/22/96 The Belt Placer is Set in Position for Paving Activities.			
G960131-06-O Ralph M. Parsons Company	5/22/96 The Belt Placer Alignment is Guided by Wire for Location and Elevation of the Required Concrete Quantity.			
G960131-07-O Ralph M. Parsons Company	5/22/96 Close-Up View of the Concrete Supply Placing Belt.			
G960131-08-O Ralph M. Parsons Company	5/22/96Acme's Paver, a View of the Concrete Vibrators.			
G960131-09-O Ralph M. Parsons Company	5/22/96 The Curing Compound Sprayer is Ready for Operation.			
G960131-10-O Ralph M. Parsons Company	5/22/96 Paving Activities are Ongoing.			
G960131-11-O Ralph M. Parsons Company	5/22/96 The Dowel Basket Tie Rod Was Cut Prior to Paving.			
G960131-12-O Ralph M. Parsons Company	5/22/96 The Dowel Baskets Were Nailed Into Grade to Retain Location During the Paving Activities.			
G960131-13-O Ralph M. Parsons Company	5/21/96Actual Dowel Basket Nailing Activity.			
G960131-14-O Ralph M. Parsons Company	5/23/96 Final Quality Control Activities and Punchlist Check Off.			
G960131-15-O Ralph M. Parsons Company	5/22/96 Final Quality Control Activities and Punchlist Check Off.			
G960131-16-O Ralph M. Parsons Company	5/22/96 Final Quality Control Activities and Punchlist Check Off.			
G960131-17-O Ralph M. Parsons Company	5/23/96 Batch Plant Operation Started on May 23, 1996 Along the Southwest Arm.			
G960131-18-O Ralph M. Parsons Company	5/23/96 Belt Conveyors Are Supplying the Gravel and Sand to the Mixing Chamber.			
G960131-19-O Ralph M. Parsons Company	5/23/96 The Gravel and Sand Hoppers are Continuously Filled by a Loader.			
G960131-20-O Ralph M. Parsons Company	5/23/96 Concrete Transporation Activities, Acme is Utilizing Nine Trucks for the Slipforming Activities.			
G960131-21-O Ralph M. Parsons Company	5/23/96 Trucks are Loaded With Batched Concrete.			
G960131-22-O Ralph M. Parsons Company	5/23/96 Closer View of the Concrete Loading Activity.			
G960131-23-O Ralph M. Parsons Company	5/23/96 The Concrete Slab is Being Finished by the Paver, Some Minor Hand Finishing is Necessary Especially Near the Alignment Grooves.			
G960131-24-O Ralph M. Parsons Company	5/23/96 The Concrete is Transported by Truck to the Belt Placer. the Trucks are Carrying Between 9 and 10 CY of Concrete.			
G960131-25-O Ralph M. Parsons Company	5/23/96 The Concrete is Transported by Truck to the Belt Placer, the Trucks are Carrying Between 9 and 10 CY of Concrete. 5/23/96 The Concrete Paver Completes the Final Trowel and the Burlap Provides the Finished Concrete Appearance.			
G960131-26-O Ralph M. Parsons Company	5/23/96 The Curing Compound is Placed After Following the Final Concrete Finishing.			
G960131-27-O Ralph M. Parsons Company	5/23/96 Hand Finishing is Required at Some Locations.			
G960131-28-O Ralph M. Parsons Company	5/23/96 Interface of the Beam Tube Slab and the Vacuum Equipment Anchor Slab.			
G960131-29-O Ralph M. Parsons Company	5/23/96 Completed Beam Tube Slab Along the Southwest Arm.			
G960131-30-O Ralph M. Parsons Company	5/23/96 Another View of the Completed Beam Tube Slab, Southwest Arm.			
G960131-31-O Ralph M. Parsons Company	5/23/96 Typical View of the Concrete Being Placed by the Belt Placer.			
G960131-32-O Ralph M. Parsons Company	5/23/96 Another View of the Completed Slab.			
G960131-33-O Ralph M. Parsons Company	5/24/96 Typical Saw-Cut Joint After Initial Curing.			
G960131-34-O Ralph M. Parsons Company	5/24/96 Typical Re-Start of Concrete at a Construction Joint.			
G960132-01-O Ralph M. Parsons Company	5/30/96 12" Diameter Pipe Sleeve Was Installed Under the Beam Tube Slab at the Northwest Arm Near the Corner Station.			
G960132-02-O Raipi W. Parsons company	5/30/96 12" Diameter Pipe Sleeve Was Installed Under the Beam Tube Slab at the Northwest Arm Near the Corner Station.			
G960132-03-O Ralph M. Parsons Company	5/30/96 12" Diameter Pipe Sleeve Was Installed Under the Beam Tube Slab at the Northwest Arm Near the Corner Station.			
G960132-04-O Ralph M. Parsons Company	5/30/96 Stub-up of the Bake-out Power Conduit at the Service Entrance.			
G960132-05-O Ralph M. Parsons Company	5/29/96 Typical Concrete Duct Bank.			
G960132-06-O Ralph M. Parsons Company				
G960132-07-O Ralph M. Parsons Company	6/4/96 View From the Service Entrance to the Bake-out Box. (Typical)			
G960132-08-O Ralph M. Parsons Company	5/23/96 DOE Personnel Are Taking Water Samples at Well Number One. 5/23/96 CBI Temporary Power Supply Trench			
G960132-09-O Ralph M. Parsons Company	5/23/96 CBI Temporary Power Supply Trench.			
G960132-10-O Ralph M. Parsons Company	5/22/96 The PUD Power Cable, Installed at the Well Number One.			
	6/4/96 Enclosure For the Steam Generating Equipment at the Acme Precast Yard.			
G960132-11-O Ralph M. Parsons Company	6/4/96 View Through the "C" Type Beam Tube Enclosure Module Transport Equipment.			
G960132-12-O Ralph M. Parsons Company	6/4/96 View of Newly Casted Type "C" Enclosure Modules.			
G960132-13-O Ralph M. Parsons Company	6/4/96 Form Removal Activity of Newly Casted Type "C" Modules.			
G960132-14-O Ralph M. Parsons Company	6/4/96 Another View of the Form Removal Activities.			
G960132-15-O Ralph M. Parsons Company	6/4/96 Newly Casted Type "C" Enclosure Modules.			
G960132-16-O Ralph M. Parsons Company	5/29/96 No Captions.			

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G960132-17-O Ralph M. Parsons Company	6/4/96 General View of the Completed Beam Tube Enclosures.
G960132-18-O Ralph M. Parsons Company	5/29/96 No Caption.
G960133-01-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Back View
G960133-02-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Right Side View
G960133-03-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Top View Through Hole In Top Plate
G960133-04-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Front View with Suspension Block Aluminum Test Mass, Side Safety Stops
G960133-05-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Front View
G960133-06-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Back View, Close-Up of Sensor/Actuator
G960133-07-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Front View
G960133-08-D Process Systems Int'l, Inc.	10/16/96 LOS Prototype, Incomplete - Side View
G960133-09-D Process Systems Int'l, Inc.	10/16/96LOS Prototype, Incomplete - Top View with Crescent
G960133-10-D Process Systems Int'l, Inc.	10/16/96LOS Prototype, Incomplete - Top View, Top Plate with Crescent
G960133-11-D Process Systems Int'l, Inc.	10/16/96LOS Prototype, Incomplete - Front ISO with Crescent, Aluminum Dummy Mass, Side Safety Stops
G960133-12-D Process Systems Int'l, Inc.	10/16/96LOS Prototype, Incomplete - Bottom of Front View
G960133-13-D Process Systems Int'l, Inc.	10/16/96LOS Prototype, Incomplete - Front View with Aluminum Dummy Mass, Side Safety Stops
G960135-01-O Ralph M. Parsons Company	5/28/96 At One Location a Natural Crack Developed at the Time When the Design Joint Was Cut. The Designed Joint Was Sealed and the Natural Crack Will Be the Expansion Joint.
G960135-02-O Ralph M. Parsons Company	5/29/96 Saw-Cutting Activities Are Ongoing.
G960135-03-O Ralph M. Parsons Company	5/29/96 Another View of the Saw-Cutting Activity.
G960135-04-O Ralph M. Parsons Company	6/4/96 At the Service Entrance Location the Electrical Contractor Raised the Bake-Out Conduit.
G960135-05-O Ralph M. Parsons Company	6/4/96 Typical Bed Preparation for the Service Entrance Slab.
G960135-06-O Ralph M. Parsons Company	5/30/96 The Equipment That Was Utilized to Provide the Dowel Hole at the Service Entrances.
G960135-07-O Ralph M. Parsons Company	5/24/98 Typical Fire Water Pipe Joint Location.
G960135-08-O Ralph M. Parsons Company	5/24/96 Typical Installed End Cup of the Fire Water Pipe.
G960135-09-O Ralph M. Parsons Company	5/24/96 Typical Pipe End Cup.
G960135-10-O Ralph M. Parsons Company	5/24/96 Fire Water Line Hydro Test Connection.
G960135-11-O Ralph M. Parsons Company	5/24/96 Fire Water Line During the Hydrotest Activities.
G960135-12-O Ralph M. Parsons Company	5/24/96 Leak Check at the Flange During the Hydrotest Activities.
G960135-13-O Ralph M. Parsons Company	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced.
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G960135-14-O Ralph M. Parsons Company	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced.
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced.
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company G960136-00-D Fred Raab	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced. 6/6/96 Suspension Preliminary Design Review
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company G960136-00-D Fred Raab G960136-00-D Janeen Hazel	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced. 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company G960136-00-D Fred Raab G960136-00-D Janeen Hazel G960136-00-D Seiji Kawamura	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced. 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company G960136-00-D Fred Raab G960136-00-D Janeen Hazel G960136-00-D Seiji Kawamura G960137-00-E Albert Lazzarini	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced. 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review 5/21/96 Quarterly Science & Integration Meeting at MIT, 20-21 May 1996
G960135-14-O Ralph M. Parsons Company G960135-15-O Ralph M. Parsons Company G960136-00-D Fred Raab G960136-00-D Janeen Hazel G960136-00-D Seiji Kawamura G960137-00-E Albert Lazzarini G960138-00-D	5/29/96 After the Hydrotest Was Completed the Pipe Was Wrapped and Backfill Commenced. 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review 6/6/96 Suspension Preliminary Design Review 5/21/96 Quarterly Science & Integration Meeting at MIT, 20-21 May 1996 6/25/96 Core Optic Material - Quantity/Type Summary.
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G960142-20-O Ralph M. Parsons Company	5/8/96 Southwest Arm at Station 126+00 Showing Berm Material Being Spread, Another Lift!
G960142-21-O Ralph M. Parsons Company	5/8/96 Southeast Arm at Station 108+00 Looking Southeast, Showing Another Lift Being Placed.
G960142-22-O Ralph M. Parsons Company	5/8/96 Southwest Arm at Station 76+00 Looking Southwest at Compacted Berm Fill Just Prior to Compaction Test.
G960142-23-O Ralph M. Parsons Company	5/8/96 Southwest Arm at the Pipeline Crossing Looking South as Pipeline Intersects the Berm.
G960142-24-O Ralph M. Parsons Company	5/7/96 Southeast Arm at Dixie Power Line Crossing Showing New Location of 80 Foot Pole to Make More Room for Construction, (See Red Circle).
G960143-03-O Ralph M. Parsons Company	6/6/96 The Rebar is Placed and the Slab is Ready for Placing Concrete.
G960143-04-O Ralph M. Parsons Company	6/5/96 Acme Decided to Mechanically Place the Final 60 Feet of Beam Tube Support Slab at the Location Where Underground Installations Had Not Been Completed in Time, When the Slab for the Southwest Arm was Placed.
G960143-05-O Ralph M. Parsons Company	6/5/96 Another View of the CB & I Temporary Yard.
G960143-06-O Ralph M. Parsons Company	6/5/96 Preparation of the CB & I Temporary Access and Lay Down Area.
G960143-07-O Ralph M. Parsons Company	6/5/96 The First of Paving Section Where the Slip Forming Interfaces Wtih the Anchor Slabs is Accomplished by Manual Application.
G960143-09-O Ralph M. Parsons Company	6/5/96 View of the Completed and Final Slip Forming Activities at the Southwest Arm Corner Station on June 5, 1996.
G960143-10-O Ralph M. Parsons Company	6/5/96 View of a Typical Completed Sealed Joint.
G960143-12-O Ralph M. Parsons Company	6/5/96 Fine Grading Activities Preparing the Beam Tube Access Road for Bituminous Treatment.
G960143-16-O Ralph M. Parsons Company	6/5/96 Typical Beam Tube Service Entrance Form.
G960143-17-O Ralph M. Parsons Company	6/6/96 Typical Completed Service Entrance Slab.
G960143-18-O Ralph M. Parsons Company	6/5/96 Foam Backer Rod is Installed Into the Clean Joint.
G960143-19-O Ralph M. Parsons Company	6/6/96 The Joints Are Filled With a Flexible Sealing Compound.
G960143-21-O Ralph M. Parsons Company	6/6/96 Concrete is Placed for the Service Entrance. The Finishers Are Providing the Final Touch for the Type "A" Enclosure Module Alignment Groove.
G960143-23-O Ralph M. Parsons Company	6/6/96 Picture Shows some Remedial Work That Was Necessary at the Alignment Goove Along the Southwest Arm Where the Paver Caused Some Undermining.
G960143-25-O Ralph M. Parsons Company	6/6/96 The Dowels were Placed in Epoxy Grout Material.
G960144-02-O Ralph M. Parsons Company	6/20/96 View of the Completed Beam Tube Access Road Base Intallation Prior to Bituminous Treatment.
G960144-03-O Ralph M. Parsons Company	6/21/96 Conduit Trench, View From the Pull Box Location to the Southwest Arm Mid Station.
G960144-05-O Ralph M. Parsons Company	6/21/96 Another View of a Typical Conduit Trench.
G960144-09-O Ralph M. Parsons Company	6/13/96 Installed Rebar Mat for the Type "C" Forms.
G960144-12-O Ralph M. Parsons Company	6/13/96 Stripped Forms Sides From the Typed "C" Beam Tube Enclosure Quad Forms.
G960144-13-O Ralph M. Parsons Company	6/13/96 Type "C" Beam Tube Enclosure Handling After Curing at the Acme Precast Yard.
G960144-14-O Ralph M. Parsons Company	6/20/96 Another View of the Completed Beam Tube Access Road Prior to Bituminous Treatment.
G960144-16-O Ralph M. Parsons Company	6/20/96 Conduit Trench From the Southwest Arm.
G960144-17-O Ralph M. Parsons Company	6/20/96 Another View of the Transformer Pad and the Bake Out Box.
G960144-20-O Ralph M. Parsons Company	6/21/96 Delivered Electrical Cable Pull Box and Conduits.
G960144-21-O Ralph M. Parsons Company	6/21/96 Forming Most of the Duct Banks Was Necessary Because of Poor Soil Conditions.
G960144-22-O Ralph M. Parsons Company	6/22/96 Close-Up View of the Conduit, Support and the Ground Wire Prior to Placing the Concrete.
G960144-24-O Ralph M. Parsons Company	6/21/96 Placing Duct Bank Concrete.
G960144-25-O Ralph M. Parsons Company	6/21/96 PUD Installed Bake Out Box, And Acme Installed Typical Transformer Pad at the Southwest Arm Mid Station.
G960145-02-O Ralph M. Parsons Company	6/7/96 Cut and Cleaned Joint in Preparation for Sealing.
G960145-05-O Ralph M. Parsons Company	6/7/96 Water Pressure is Utilized for Cleaning the Joints.
G960145-07-O Ralph M. Parsons Company	6/7/96 Widening of the Contraction and Expansion Joints is Accomplished by a Specialized Contractor.
G960145-09-O Ralph M. Parsons Company	6/12/96 Temporary Power Cable for Number Two Well Pump.
G960145-10-O Ralph M. Parsons Company	6/12/96 Typical Water Flow From Number Two Well Pump.
G960145-13-O Ralph M. Parsons Company	6/12/96 Another View of Water Flow from Number Two Well Pump.
G960145-14-O Ralph M. Parsons Company	6/12/96 Delivery of the New LIGO Office.
G960146-01-I David Shoemaker	10/1/95 Phase Noise Interferometer (PNI), Vibration Isolation Stack.
G960146-02-I David Shoemaker	10/1/95 Phase Noise Interferometer (PNI), Suspension and Actuators.
G960146-03-I David Shoemaker	10/1/95 Barry Controls Stacks Isolator, Installed on Phase Noise Interferometer (PNI).
G960146-04-I David Shoemaker	10/1/95 Phase Noise Interferometer (PNI) in MIT Vacuum System.
G960146-05-I David Shoemaker	10/1/95 Phase Noise Interferometer (PNI) Suspended Optical Components.
G960147-01-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960147-02-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960147-03-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960147-04-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960147-05-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960147-06-O Ralph M. Parsons Company	11/1/95 Aerial View of Hanford Site.
G960148-01-O California Institute of Tech.	6/28/96 BE/BTE Mock-Up in Syncrotron Lab.
G960148-02-O California Institute of Tech.	6/28/96 BE/BTE Mock-Up in Syncrotron Lab.
G960148-03-O California Institute of Tech.	6/28/96 BE/BTE Mock-Up in Syncrotron Lab.
G960148-04-O California Institute of Tech.	6/28/96 BE/BTE Mock-Up in Syncrotron Lab.
G960148-05-O California Institute of Tech.	6/28/96 BE/BTE Mock-Up in Syncrotron Lab.

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G960148-06-O California Institute of Tech.	6/28/96BE/BTE Mock-Up in Syncrotron Lab.
G960148-07-O California Institute of Tech.	6/28/96BE/BTE Mock-Up in Syncrotron Lab.
G960148-08-O California Institute of Tech.	6/28/96BE/BTE Mock-Up in Syncrotron Lab.
G960149-01-O Ralph M. Parsons Company	5/22/96 Apex Area, Base Prep Work Being Done.
G960149-02-O Ralph M. Parsons Company	5/22/96 Southwest Arm at Pipeline Crossing Surverying and Probing With Rod to Locate Pipeline.
G960149-03-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 60+00 Showing Organic Material Stockpiled.
G960149-04-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 40+00, a Dozer Building Berm.
G960149-05-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 20+00, Compaction Work Being Completed on Base Prep.
G960149-06-O Ralph M. Parsons Company	5/26/96 Southeast Arm, at Poll Line, Dixie Power Raising the Power Lines Over Berm Area.
G960149-07-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 70+00, Disking Berm Lift.
G960149-08-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 80+00, Drying Out Berm Lift.
G960149-09-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 17+00, the First Lift of Berm.
G960149-10-O Ralph M. Parsons Company	5/27/96 Southwest Arm at Pipeline Crossing Preparations to Install Concrete Slabs.
G960149-11-O Ralph M. Parsons Company	5/27/96 Southeast Arm at Station 15+00, Showing Base Prep Completed and Ready for First Lift of Berm.
G960149-12-O Ralph M. Parsons Company	5/12/96 Southwest Arm Looking West at Station 40+00, Intermediate Lift and Stockpiled Fill.
G960150-01-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 44+00 Looking West at 60" RCP Culverts.
G960150-02-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 67+00 Looking West at Electrical Powerline Being Raised.
G960150-03-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 130+00 Looking West at Disking of Intermediate Lift of Fill on End Station.
G960150-04-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 130+00 Looking North At Excavating and Spreading Fill at End Station.
G960150-05-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 27+00 Looking South at Wet Fill Being Plowed for Drying.
G960150-06-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 34+00 Looking South at Berm Fill Being Compacted With Sheepsfoot Roller.
G960150-07-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 47+00 Looking Southeast at Fill Being Excavated, Placed and Spread on Berm.
G960150-08-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 74+00 Looking North at Berm Fill Being Disked to Reduce Moisture Content Before Compaction.
G960150-09-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 74+00 Looking Southeast at Wet Fill Being Plowed to Hasten Drying.
G960150-10-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 128+00 Looking Southwest at Spreading and Compacting Fill Near End Station.
G960150-11-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 130+00 Looking South at Excavating and Hauling Fill for End Station .
G960150-12-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 130+00 Looking West at Excavating Fill for Placement on End Station.
G960151-01-O Ralph M. Parsons Company	6/20/96 Center of Corner Station Looking South. Loose Fill of 1st Lift.
G960151-02-O Ralph M. Parsons Company	6/20/96 South Side of Corner Station Looking East. Compacted Soil at Grade.
G960151-03-O Ralph M. Parsons Company	6/20/96 Northwest Side of Corner Station Looking West. Unusable Topsoil Being Spread Over Future Laydown Area.
G960151-04-O Ralph M. Parsons Company	6/21/96 Northwest Side of Corner Station Looking East. Unusable Topsoil Being Loaded for Removal From Corner Station.
G960151-05-O Ralph M. Parsons Company	6/21/96 North Side of Corner Station Looking South. 1st Lift at Grade Being Disked and Compacted on South Side of Corner Station.
G960151-06-O Ralph M. Parsons Company	6/21/96 Northeast Side of Corner Station Looking East. Unusable Topsoil Being Excavated for Removal.
G960151-07-O Ralph M. Parsons Company	6/22/96 North Side of Corner Station Looking East. Unusable Topsoil Being Removed From East Side of Corner Station.
G960151-08-O Ralph M. Parsons Company	6/22/96 Southeast Arm Looking South at Station 5+00. Disking of Fill for Aeration.
G960151-09-O Ralph M. Parsons Company	6/22/96 Southeast Arm Looking South at Station 3+00. Borrow Pit for Beam Fill Material.
G960151-10-O Ralph M. Parsons Company	6/22/96 Southwest Side of Corner Station Looking West. Fill Material Being Excavated and Loaded.
G960151-11-O Ralph M. Parsons Company	6/23/96 Center of Corner Station Looking Northeast. Unusable Material Being Removed From Original Site Access Road.
G960151-12-O Ralph M. Parsons Company	6/23/96 Center of Corner Station Looking Southwest. Excavating Fill From Borrow Pit on Southwest Side of Corner Station.
G960151-13-O Ralph M. Parsons Company	6/27/96 North Side of Corner Station Looking West. Fill Spread and Ready for Compaction.
G960151-14-O Ralph M. Parsons Company	6/27/96 North Side of Corner Station Looking Southwest. Dewatering After Heavy Rain.
G960151-15-O Ralph M. Parsons Company	6/27/96 North Side of Corner Station Looking South After Rain Storm.
G960151-16-O Ralph M. Parsons Company	6/29/96 Northwest Side of Corner Station Looking Southeast. Standing Water From Rain on June 27th.
G960151-17-O Ralph M. Parsons Company	6/29/96 Southwest Arm Looking East. Flared End of Culverts at Station 60+00 Being Installed.
G960151-18-O Ralph M. Parsons Company	6/29/96 Southwest Arm Looking West. Rip-Rap Installation at Flared End of Culverts at Station 111+00.
G960151-19-O Ralph M. Parsons Company	6/29/96 Southwest Arm Looking Southwest. Rip-Rap Around Culverts at Station 111+00.
G960151-20-O Ralph M. Parsons Company	6/30/96 Southwest Arm Looking East. Flared Ends of Culverts at Station 60+00.
G960151-21-O Ralph M. Parsons Company	6/30/96 Southwest Arm Looking West. Rip-Rap Being Installed on 3-36" Diameter Culverts at Station 60+00.
G960151-22-O Ralph M. Parsons Company	6/30/96 Southwest Arm Looking South. Rip-Rap Being Installed on Inlet Side of Culverts at Station 60+00.
G960151-23-O Ralph M. Parsons Company	6/30/96 Center of Corner Station Looking East. Water Remaining From Rain on June 27th.
G960151-24-O Ralph M. Parsons Company	6/30/96 Panoramic View From Center of Corner Station Showing Equipment Idled by Wet Conditions.
G960152-01-O Ralph M. Parsons Company	5/22/96Apex Area, Base Prep Work Being Done.
G960152-02-O Ralph M. Parsons Company	5/22/96 Southwest Arm at Pipeline Crossing Surveying and Probing With Rod to Locate Pipeline.
G960152-03-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 60+00 Showing Organic Material Stock-Piled. 5/26/96 Southeast At Station 40+00 A Dazer Building Born.
G960152-04-O Ralph M. Parsons Company	5/26/96 Southeast At Station 40+00, A Dozer Building Berm. 5/26/96 Southeast Arm at Station 20+00 Comparties Work Rains Completed on Rase Branch
G960152-05-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 20+00 Compaction Work Being Completed on Base Prep. 5/26/96 Southeast Arm at Poll Line, Divis Power Reising the Power Lines Over Borm Area
G960152-06-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Poll Line, Dixie Power Raising the Power Lines Over Berm Area.

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G960152-07-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 70+00 Disking Berm Lift.
G960152-08-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 80+00, Drying Out Berm Lift.
G960152-09-O Ralph M. Parsons Company	5/26/96 Southeast Arm at Station 17+00, the First Lift of Berm.
G960152-10-O Ralph M. Parsons Company	5/27/96 Southwest Arm at Pipeline Crossing Preparation to Install Concrete Slabs.
G960152-11-O Ralph M. Parsons Company	5/27/96 Southeast Arm at Station 15+00 Showing Base Prep Completed and Ready for First Lift of Berm.
G960152-12-O Ralph M. Parsons Company	6/12/96 Southwest Arm Looking West at Station 40+00 Intermediate Lift and Stockpiled Fill.
G960153-01-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 44+00 Looking West at 60" RCP Culverts.
G960153-02-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 67+00 Looking West At Electrical Powerline Being Raised.
G960153-03-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 130+00 Looking West at Disking of Intermediate Lift of Fill on End Station.
G960153-04-O Ralph M. Parsons Company	6/12/96 Southwest Arm at Station 130+00 Looking North at Excavating and Spreading Fill at End Station.
G960153-05-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 27+00 Looking South at Wet Fill Being Plowed for Drying.
G960153-06-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 34+00 Looking South at Berm Fill Being Compacted With Sheepsfoot Roller.
G960153-07-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 47+00 Looking Southeast at Fill Being Excavated, Placed and Spread on Berm.
G960153-08-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 74+00 Looking North at Berm Fill Being Disked to Reduce Moisture Content Before Compaction.
G960153-09-O Ralph M. Parsons Company	6/12/96 Southeast Arm at Station 74+00 Looking Southeast at Wet Fill Being Plowed to Hasten Drying.
G960153-10-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 128+00 Looking Southwest at Spreading and Compacting Fill Near End Station.
G960153-11-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 130+00 Looking South at Excavating and Hauling Fill For End Station.
G960153-12-O Ralph M. Parsons Company	6/13/96 Southeast Arm at Station 130+00 Looking West at Excavating Fill For Placement on End Station.
G960154-01-O Ralph M. Parsons Company	7/2/96 Wet Material Being Removed From Southeast Side of Corner Station.
G960154-02-O Ralph M. Parsons Company	7/2/96 View From East Side of Corner Station Looking Northwest. First Lift at Grade Plowed and Disked for Drying.
G960154-03-O Ralph M. Parsons Company	7/2/96 Looking West From Center of Corner Station. Challenger Tractor Pulling Disk to Dry Wet Soil.
G960154-04-O Ralph M. Parsons Company	7/2/96 Motor Grader Plowing Wet Fill For Drying Prior to Disking and Compacting at Station 42+00 on Southeast Arm.
G960154-05-O Ralph M. Parsons Company	7/3/96 ABMB Surveyor on Southeast Arm Establishing Control Points for Locating and Monitoring Fill Settlement Plates.
G960154-06-O Ralph M. Parsons Company	7/3/96 ABMB Surveyor on Southeast Arm Near Station 90+00 Establishing Control Points for Locating and Monitoring Fill Settlement Plates.
G960154-07-O Ralph M. Parsons Company	7/3/96 "Offsite" Survey Control Point on Southeast Arm at Station 110+00. (For Settlement Plate Monitoring).
G960154-08-O Ralph M. Parsons Company	7/3/96 View From North Side of Corner Station Looking West. Sheepsfoot Roller Compacting First Lift Which has been Disked.
G960154-09-O Ralph M. Parsons Company	7/4/96 Disked Fill Being Compacted on Southeast Side of Corner Station.
G960154-10-O Ralph M. Parsons Company	7/4/96 View From Station 8+00 on Southeast Arm Looking South. Plowed and Disked Fill Being Compacted.
G960154-11-O Ralph M. Parsons Company	7/5/96 Looking North on Southeast Arm at Station 40+00. Plowed Fill to Be Disked After Further Drying.
G960154-12-O Ralph M. Parsons Company	7/5/96 Fill Being Excavated and Placed on Southeast Arm at Station 80+00.
G960154-13-O Ralph M. Parsons Company	7/5/96 Installation of Flared Ends on 60" Culverts at Station 44+60 on Southwest Arm.
G960154-14-O Ralph M. Parsons Company	7/5/96 Caterpillar Dozer Spreading Fill at Station 84+00 Southwest Arm.
G960154-15-O Ralph M. Parsons Company	7/6/96 Loading Fill at Station 64+00 on Southwest Arm.
G960154-16-O Ralph M. Parsons Company	7/6/96 Southwest Arm at Station 90+00. Wet Fill Being Plowed For Drying.
G960154-17-O Ralph M. Parsons Company	7/6/96 Southwest Arm at Station 90+00. Wet Fill Being Plowed For Drying.
G960154-18-O Ralph M. Parsons Company	7/7/96 Depositing and Spreading of Fill at Station 5+00 on Southeast Arm.
G960154-19-O Ralph M. Parsons Company	7/7/96 Agkistodon Contortrix (Copperhead Snake)!
G960154-20-O Ralph M. Parsons Company	7/7/96 Backfilling Around Flared Ends of 36" Culverts at Station 60+00 on Southwest Arm.
G960154-21-O Ralph M. Parsons Company	7/7/96 Onsite Diesel Fuel Storage Tank Being Refilled.
G960154-22-O Ralph M. Parsons Company	7/8/96 First Lift Above Grade Being Deposited and Spread on Southwest Side of Corner Station.
G960154-23-O Ralph M. Parsons Company	7/8/96 Staked Location of Settlement Monitoring Plate on Southeast End Station.
G960154-24-O Ralph M. Parsons Company	7/8/96 Beginning of Stanco Demobilization. Storage Trailer Being Removed From Site.
G960155-01-O Ralph M. Parsons Company	7/10/96 Installation of Flared Ends on 72" Culverts at Station 16+40 on Southwest Arm.
G960155-02-O Ralph M. Parsons Company	7/10/96 Stockpiled Rip-Rap and Precast Concrete Cutoff Walls for Culverts at Station 16+40 on Southwest Arm.
G960155-03-O Ralph M. Parsons Company	7/10/96 Application of Geotextile Fabric on Inlet Side of Culverts at Station 16+40 on Southwest Arm.
G960155-04-O Ralph M. Parsons Company	7/10/96 Settlement Monitoring Plate on Southeast End Station (Partially Backfilled).
G960155-06-O Ralph M. Parsons Company	7/11/96 Completed Installation of Culverts (Outlet End) at Station 44+60 on Southwest Arm.
G960155-07-O Ralph M. Parsons Company	7/12/96 Installation of Settlement Monitoring Plate at Corner Station.
G960155-08-O Ralph M. Parsons Company	7/13/96 Disking of Fill at Station 5+00 on Southeast Arm.
G960155-09-O Ralph M. Parsons Company	7/14/96 Excavating, Placing and Spreading Fill Material at Station 82+00 on Southeast Arm (Looking South).
G960155-10-O Ralph M. Parsons Company	7/14/96 Looking South on Southeast Arm End Station. Finish Grade Stakes Set.
G960155-11-O Ralph M. Parsons Company	7/14/96Rain Clouds Building!
G960155-12-O Ralph M. Parsons Company	7/14/96 Dumping and Spreading Fill at Station 86+00 on Southeast Arm (Looking North).
G960155-13-O Ralph M. Parsons Company	7/14/96 Grade Stake at Station 68+00 on Southeast Arm (Fill at Finish Grade).
G960155-14-O Ralph M. Parsons Company	7/14/96 Grade Stakes at Station 70+00 on Southeast Arm (Fill at Finish Grade). 7/14/96 Rouling North on Southeast Arm at Station 60 00. Fill Smooth Balled to Soul Surface Refere Imminent Being
G960155-15-O Ralph M. Parsons Company	7/14/96 Looking North on Southeast Arm at Station 60+00. Fill Smooth Rolled to Seal Surface Before Imminent Rain.
G960155-16-O Ralph M. Parsons Company	7/14/96 Fill Compacted by Sheepsfoot Roller at Station 85+00 on Southwest Arm. (Looking West).

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G960155-17-O Ralph			/96/View From North Side of Corner Station Looking South After Rain.
G960155-18-O Ralph			/96/View From East Bank Lake LIGO (Former Site Access Road At Corner Station).
G960155-19-O Ralph	1 7		/96 Idle Equipment "Stuck" Water Truck Presently Not Needed.
G960155-20-O Ralph	, ,		96 Looking Southwest Across Corner Station After Another Rain.
G960155-21-O Ralph	' '		96 Looking Southeast From North Side of Corner Station.
G960155-22-O Ralph	' '		/96A View of Wet Conditions From North Side of Corner Station Looking East.
G960155-23-O Ralph	' '		/96 Looking West at Access Road Through Corner Station (Tide Still In).
G960156-01-O Ralph	' '		96 Loading MC-250, The First Layer of the Multiple Layer Bituminous Road Surfacing.
G960156-02-O Ralph	' '		/96 Spraying MC-250 for the Temporary Access Road Around the Corner Station.
	h M. Parsons Company		/96 MC-250 Spraying is Continued Slong the Temporary Access Road.
G960156-04-O Ralph	' '		/96 Loading the Gravel Spreader With the First Layer of Gravel to Be Place Following the MC-250 Application.
G960156-05-O Ralph	' '		/96 Spraying CRS-2, the Second Layer of Multiple Layer of Bituminous Road Surfacing Along the Southwest Arm.
G960156-06-O Ralph	' '		/96 Following Placing the Second and Final Layer of Gravel Along the Southwest Arm.
G960156-07-O Ralph	' '		/96 Close Up View of the Gravel Spreading Equipment.
G960156-08-O Ralph	' '		/96 Another View of the Gravel Spreading Equipment Being Loaded With Gravel.
G960156-09-O Ralph	' '		/96 Remedial Work After the Placing the First Layer of the Road Surfacing Material in Areas That Were Not Properly Covered With Bituminous Material.
	h M. Parsons Company		/96 Sampling the Material for Future Laboratory Testing Should it Become Necessary.
G960156-11-O Ralph	' '		/96 View of the Southwest Arm Where Road Surfacing is Virtually Completed.
G960156-12-O Ralph	' '		/96 View of the Northwest Arm Where the Road Surfacing is Virtually Completed.
	h M. Parsons Company		/96 Grinding Equipment Used to Verify the Proper Elevation of the Alignment Grooves Along Both Arms.
G960156-14-O Ralph	' '		/96 Close Up View of the Grinding Equipment That is Grinding the Alignment Groove in Areas Where the Elevation of the Alignment Groove is Out of Specification.
G960156-15-O Ralph	' '		/96 Another View of the Grinding Equipment at Work.
G960156-16-O Ralph	' '		/96 View of a Section of the Alignment Groove Where the Elevation Was High.
G960156-17-O Ralph	' '		96 View of the Alignment Groove Showing the Cutting Was Limited to the Areas Where the Alignment Groove Finished Elevation Was Out of Tolerance.
G960156-18-O Ralph	' '		/96 Close Up View of the Grinding Ridges.
G960156-19-O Ralph	' '		/96PUD Provided and Installed 500 KVA Transformer at the Well Number 1.
G960156-20-O Ralph	' '		/96 Front View of the PUD Provided and Installed Transformer at Well Number 1.
G960156-21-O Ralph	' '	6/25	/96 Duct Bank Trench for the Chiller Pad at the Southwest Arm End Station.
G960156-22-O Ralph	' '		/96 View of the Conduit For the Duct Bank at the Northwest Arm End Station.
G960156-23-O Ralph	h M. Parsons Company	7/10	96 Typical Electrical Cable Pull Box and Conduit Penetration Supply Side to the Southwest Arm End Station.
G960156-24-O Ralph	h M. Parsons Company	7/11	96 Typical Duct Bank for the Supply Power From the Transformer to the Electrical Cable Pull Box.
G960156-25-O Ralph	h M. Parsons Company	7/10	96 Placing Concrete for the Duct Bank, In Some Areas the Contractor Had to Place Concrete By Utilizing a Concrete Pump Truck Because of Limited Access to the Trench Area.
G960156-26-O Ralph	h M. Parsons Company	7/10	/96 Another View of Placing Concrete for the Duct Bank.
G960156-27-O Ralph	h M. Parsons Company	6/25	/96 Typical Duct Bank at the Contract Interface Point Near the Buildings.
G960156-28-O Ralph	h M. Parsons Company	7/11	/96 Red Oxide is Scattered on Top of Duct Bank Prior to Concrete Curing.
G960156-29-O Ralph	h M. Parsons Company	7/11	/96 Another View of the Duct Bank From the Southwest End Station to the Electrical Pull Box.
G960156-30-O Ralph	h M. Parsons Company	6/26	/96 Lone Transformer Provided and Installed By the PUD at the Southwest Arm Mid Station.
G960156-31-O Ralph	h M. Parsons Company	7/11	/96 Typical LIGO Installed Plate Cover For the Power Interface Conduits Near the Electrical Bake Out Vaults.
G960156-32-O Ralph	h M. Parsons Company	7/11	/96 View of Underside of the Plate Cover, Conduits Are Sealed With a Foam Plug.
G960156-33-O Ralph	h M. Parsons Company	7/15	/96 At the Service Entrance, Verifying the Integrity of the Duct Bank Conduits and Installing the Pull Rope for the Future Power Cable Installation.
G960156-34-O Ralph	h M. Parsons Company	7/15	/96 At the Transformer Side, Verifying the Integrity of the Duct Bank Conduits and Installing the Pull Rope For the Future Power Cable Installation.
G960156-35-O Ralph	h M. Parsons Company	7/15	/96 Verifying the Cable Pull Rope Installation at Both Ends of the Conduit at the Future Bake Out Transformer Location.
G960156-36-O Ralph	h M. Parsons Company	7/11	/96 Verifying the Cable Pull Rope Installation At Ends of the Conduit At the Service Entrance Location.
G960159-01-O		8/19	/96 Binary In-Spiral (Front Cover Picture of LIGO Brochure). High Quality Viewgraph.
G960160-01-D Califo		5/14	796 Core OpticsTest Mass Container for Pathfinder Optics.
G960160-02-D Califo	ornia Institute of Tech.	5/14	96 Core Optics Test Mass Container.
G960160-03-D Califo		5/14	96 Test Mass Container With Cover Removed to Show Internal Design, the Pathfinder Optic May be Seen.
G960160-04-D Califo		5/14	/96 Shipping Case for Optical Test Mass Container.
G960160-05-D Califo			96 Shipping Case for the Core Optics Test Mass Container.
G960160-06-D Califo		5/14	96 Shipping Case Opened to Show the Foam Insert.
G960160-07-D Califo			96 Test Mass Container With Cover Removed.
G960160-08-D Califo			96 Close Up of Test Mass Container.
G960160-09-D Califo			96 Close Up Showing the Internal Design of the Core Optics Test Mass Container.
G960160-10-D Califo			96 Shipping Case Opened to Show the Foam Insert.
G960160-11-D Califo			96 Shipping Case Opened Showing the Test Mass Container in Place.
G960160-12-D Califo			96 Small Optics Suspension (S.O.S.). ISO View.
G960160-13-D Califo	ornia Institute of Tech.	5/10	/96 Small Optics Suspension (S.O.S.). ISO View, Left.

Document No Full Name	ContractorDocNo Doc Dt Full Title
G960160-14-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Front View.
G960160-15-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Front View.
G960160-16-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). ISO View, Back. 40 Meter Beamsplitter and Recycling Mirrors Suspension.
G960160-17-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). ISO View.
G960160-18-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). ISO View.
G960160-19-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Dummy Mass, Front View.
G960160-20-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Dummy Mass, Front View.
G960160-21-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Back View.
G960160-22-D California Institute of Tech.	5/10/96 Small Optics Suspension (S.O.S.). Sensor/Actuator Plates, Back View.
G960160-23-D California Institute of Tech.	5/10/96 Pathfinder Q-Test Layout. Facing Optics Face.
G960160-24-D California Institute of Tech.	5/10/96 Pathfinder Q-Test Layout. Facing Optic's Face.
G960161-01-O Ralph M. Parsons Company	7/23/96 Beam Tube Enclosure Lifting Device Arrived at Site On July 23, 1996.
G960161-02-O Ralph M. Parsons Company	7/23/96 Closer View of the Adjustable Beams and Rigging for All Type Beam Tube Enclosure.
G960161-03-O Ralph M. Parsons Company	7/23/96 Closer View of the Adjustable Beam and Rigging Including the Hydraulic Pump and Oil Tank.
G960161-04-O Ralph M. Parsons Company	7/23/96 Closer View of the Lifting Device Rigging Arrangement.
G960161-05-O Ralph M. Parsons Company	7/23/96 Lifting Brackets for the Type "A" (Service Entrance) Beam Tube Enclosure. The Upper Door Frame Rests on the Brackets During Lifting.
G960161-06-O Ralph M. Parsons Company	7/23/96 Close Up View of the Hydraulic Unit.
G960161-07-O Ralph M. Parsons Company	7/23/96 Crane Hook Connected to the Lifting Device Rigging In Preparation for Lifting the Device.
G960161-08-O Ralph M. Parsons Company	7/29/96 Crane Lifting the Beam Tube Enclosure Lifting Device.
G960161-09-O Ralph M. Parsons Company	7/29/96 Crane is Picking the Beam Tube Enclosure Lifting Device.
G960161-10-O Ralph M. Parsons Company	7/29/96Crane is Setting the Lifting Device in Position for Receiving the First Type "C" Beam Tube Enclosures.
G960161-11-O Ralph M. Parsons Company	7/29/96 The First Two Each Type "C" Beam Tube Enclosures Arrived at Site on August 29, 1996 for the Mock Up Demonstration.
G960161-12-O Ralph M. Parsons Company	7/29/96 Another View of the Type "C" Beam Tube Enclosure Module as They Are Delivered.
G960161-13-O Ralph M. Parsons Company	7/29/96 The Enclosure Lifting Device is Being Aligned to Pick the First Type "C" Module Off the Delivery Truck.
G960161-14-O Ralph M. Parsons Company	7/29/96 Another View of the Lifting Preparation For a Type "C" Enclosure Module.
G960161-15-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Device Alignment in Preparation to Pick and Unload the Type "C" Beam Tube Enclosure Modules.
G960161-16-O Ralph M. Parsons Company	7/29/96 Closer View of the Lifting Device Alignment to the Type "C" Beam Tube Enclosure Module.
G960161-17-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enclosure Units for Lifting.
G960161-18-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module.
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G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O G960161-24-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module.
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G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O G960161-24-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 The Type "A" Beam Tube Enclosure Module is Set Next To the Type "C" Modules in Preparation for the Mock Up Demonstration.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O Ralph M. Parsons Company G960161-24-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 The Type "A" Beam Tube Enclosure Module is Set Next To the Type "C" Modules in Preparation for the Mock Up Demonstration. 7/30/96 Different Views of the Beam Tube Enclosure Modules as They Are Set on to the Beam Tube Access Road in Preparation For the Mock up Demonstration.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "C" Modules in Preparation for the Mock Up Demonstration. 7/30/96 Different Views of the Beam Tube Enclosure Modules as They Are Set on to the Beam Tube Access Road in Preparation For the Mock up Demonstration. 7/30/96 At the Tranformer Side, Verifying the Integrity of the Duct Bank Conduits and Installing the Pull Rope For the Future Power Cable Installation.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 First Type "A" (Service Entrance) Beam Tube Enclosure Arrived at Site. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 The Type "A" Beam Tube Enclosure Module is Set Next To the Type "C" Modules in Preparation For the Mock Up Demonstration. 7/30/96 Different Views of the Beam Tube Enclosure Modules as They Are Set on to the Beam Tube Access Road in Preparation For the Mock up Demonstration. 7/30/96 At the Transformer Side, Verifying the Integrity of the Duct Bank Conduits and Installing the Pull Rope For the Future Power Cable Installation.
G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O G960161-24-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company	7/29/96 Close Up View of the Lifting Foot As It Is Set Under the Beam Tube Enslosure Units for Lifting. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 7/29/96 View of the Unloading Activities for the Type "A" Beam Tube Enclosure Modules in Preparation for the Mock Up Demonstration. 7/30/96 At the Tranformer Side, Verifying the Integrity of the Duct Bank Conduits and Installing the Pull Rope For the Future Power Cable Installation. 7/30/96 Set Up of the Beam Tube Enclosure Lifting Device for Lifting the Enclosure Module.
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G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O Ralph M. Parsons Company G960161-24-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-04-O Ralph M. Parsons Company G960162-05-O Ralph M. Parsons Company G960162-06-O Ralph M. Parsons Company G960162-07-O Ralph M. Parsons Company G960162-08-O Ralph M. Parsons Company G960162-09-O Ralph M. Parsons Company G960162-10-O Ralph M. Parsons Company G960162-11-O Ralph M. Parsons Company	72996 Different View During the Lifting And Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module So Type Type "A" Beam Tube Enclosure Module So Type Type Type "A" Beam
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G960161-18-O Ralph M. Parsons Company G960161-19-O Ralph M. Parsons Company G960161-20-O Ralph M. Parsons Company G960161-21-O Ralph M. Parsons Company G960161-22-O Ralph M. Parsons Company G960161-23-O Ralph M. Parsons Company G960161-25-O Ralph M. Parsons Company G960161-26-O Ralph M. Parsons Company G960161-27-O Ralph M. Parsons Company G960161-28-O Ralph M. Parsons Company G960162-01-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-03-O Ralph M. Parsons Company G960162-04-O Ralph M. Parsons Company G960162-05-O Ralph M. Parsons Company G960162-06-O Ralph M. Parsons Company G960162-07-O Ralph M. Parsons Company G960162-08-O Ralph M. Parsons Company G960162-09-O Ralph M. Parsons Company G960162-10-O Ralph M. Parsons Company G960162-10-O Ralph M. Parsons Company G960162-11-O Ralph M. Parsons Company	72996 Different View During the Lifting And Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "C" Beam Tube Enclosure Module. 72998 Different View During the Lifting and Setting of the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different View of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Unloading Activities for the Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module. 72998 Different Views of the Beam Tube Enclosure Module so Type "A" Beam Tube Enclosure Module So Type Type "A" Beam Tube Enclosure Module So Type Type Type "A" Beam

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G960162-19-O Ralph M. Parsons Company		6One Type "C" Beam Tube Enclosure Module is Relocated to Provide Space for the Type "A" Beam Tube Enclosure Module to be Set Next to the Type "C" Module.
G960162-20-O Ralph M. Parsons Company		6Alignment of the Beam Tube Enclosure Module is Verified as Acceptable.
G960162-21-O Ralph M. Parsons Company		6 View of the Beam Tube Lifting Device to Show the Beam Tube Enclosure Setting On To The Beam Tube Support Slab Alignment Groove.
G960165-01-O Ralph M. Parsons Company		6This Was Taken to Show the Rain Gauge at Construction Office Fence. An 8 1/2 X 11 Sheet of Paper to Give Perspective on Size.
G960165-02-O Ralph M. Parsons Company		6 Rain Gauge Showing Just Shy of 4" of Rain.
G960165-03-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 44+60 Culvert Crossing Inlet Side.
G960165-04-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 44+60 Culvert Crossing, Looking at Outlet Side.
G960165-05-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 44+60 Showing Drainage Through Culvert to Existing Ditch.
G960165-06-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 44+60 Observing Water Flow Through Culvert Pipe.
G960165-07-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 60+100 Culvert Crossing Outflow. Note: All Outflow of Culvert Crossings Will Need to Be Adjusted To Meet Existing Flow Lines.
G960165-08-O Ralph M. Parsons Company		6Southwest Arm (#2) at Station 60+100 Observing Inlet Flow.
G960165-09-O Ralph M. Parsons Company		6 Southwest Arm (#2) Showing Water Level of Trench After Heavy Rain.
G960165-10-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Pipeline Crossing Area - Culvert Crossing 92+60 Outlet Getting Ready to Install Geo-Tech Material And Rip-Rap.
G960165-11-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station Culvert Crossing 89+00 (Pipeline Crossing Area) Showing Outflow Side.
G960165-12-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Station 89+00 Showing a Closer View of Outflow.
G960165-13-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Culvert Crossing 89+00 Inflow Prep for Rip-Rap.
G960165-14-O Ralph M. Parsons Company		6 Southwest Arm (#2) at Culvert Crossing 89+00 After Rip-Rap is Installed.
G960165-15-O Ralph M. Parsons Company		6 Southwest Arm (#2) Showing a Delivery of 24" Reinforced Concrete Pipe to be Used for Balance Lines Between Trenches.
G960165-16-O Ralph M. Parsons Company		6 Southwest Arm (#2) Showing 24" RCP Off Loaded At Station 114+00.
G960165-17-O Ralph M. Parsons Company		6 Southeast Arm (#1) Culvert Crossing at Station 27+00 Inflow.
G960165-18-O Ralph M. Parsons Company		6 Southeast Arm (#1) Culvert Crossing at Station 27+00 Outflow.
G960165-19-O Ralph M. Parsons Company		6 Southeast Arm (#1) Showing a Lift of Fill Being Compacted At Station 40+00.
G960165-20-O Ralph M. Parsons Company		6 Southeast Arm (#1) Showing a Lift of Berm Fill Being Disked to Dry Out the Material at Station 50+00.
G960165-21-O Ralph M. Parsons Company		6 Southeast Arm (#1) Shaping the Berm and Moving Material From Side To Form a Lift Of Material At Station 50+00.
G960165-22-O Ralph M. Parsons Company		6 Southeast Arm (#2) at Station 30+00 Adding a Lift on Berm By Dump Truck and Spreading With a Dozer.
G960165-23-O Ralph M. Parsons Company		6 Corner Station Hauling Fill From Trench To Raise the Station Area.
G960165-24-O Ralph M. Parsons Company		6 Southeast Arm (#2) Reviewing Progress at Pipeline Crossing.
G960166-01-O Ralph M. Parsons Company		6 Southwest Arm at Station 38+00 Installing 24 inch RCP Pipe Balance Line Between Ditches.
G960166-02-O Ralph M. Parsons Company		6 Southwest Arm at Station 38+00 Looking Northeast at Trench.
G960166-03-O Ralph M. Parsons Company		6 Standing At Construction Site Yard Looking Southeast at Apex Area and Result of a Storm.
G960166-04-O Ralph M. Parsons Company		6 Stranco Equipment Waiting on Bench for the Game to Start.
G960166-05-O Ralph M. Parsons Company		6 Apex Area Showing Effects After Rain Shower.
G960166-06-O Ralph M. Parsons Company		6 Apex Area Showing Clearing After the Storm.
G960166-07-O Ralph M. Parsons Company		6 Stranco Equipment Being Serviced and Awaiting for Conditions to Be Favorable to Start Work.
G960166-08-O Ralph M. Parsons Company		6 Apex Area Looking Southeast at Soil Conditions After Working the Drying Process.
G960166-09-O Ralph M. Parsons Company		6 Apex Area Looking Southwest at Arm #2. The Soil is Being Dried.
G960166-10-O Ralph M. Parsons Company		6 Apex Area Showing The Plastic Sleeve For One of the Settling Plates.
G960166-11-O Ralph M. Parsons Company		6 Apex Area Showing Rain Just Starting, "See Clearing Spot In Clouds Upper Left Corner".
G960166-12-O Ralph M. Parsons Company		6More Rain.
G960166-13-O Ralph M. Parsons Company		6Same Shot As Previous Picture, But Raining Much Harder. Notice Right Side of Picture Where Rain is More Prominent.
G960166-14-O Ralph M. Parsons Company		6Same Shot As Previous Two Pictures. Notice the Rain Passing Through.
G960166-15-O Ralph M. Parsons Company		6ABMB Survey Crew Checking Settlement Plates at Apex Area.
G960166-16-O Ralph M. Parsons Company		6Apex Area Looking Down Southeast Arm #1 Showing Preparations of Soil For More Fill.
G960166-17-O Ralph M. Parsons Company		6Apex Area Looking At The Southwest Arm #2. This Area Still Too Wet to Work.
G960166-18-O Ralph M. Parsons Company		6Southeast Arm Berm, Cutting Side Slopes and Spreading Material For A New Lift.
G960166-19-O Ralph M. Parsons Company		6Southeast Arm, Working Side Slopes, Up On Top of Berm.
G960166-20-O Ralph M. Parsons Company		6Southeast Arm Showing the Pumping Out of Culvert Crossing 27+00 to Complete Rip-Rap Installation.
G960166-21-O Ralph M. Parsons Company		6Southeast Arm Showing A Close-Up of Previous Photo. Notice The Sediment Washed From Berm (Foreground).
G960166-22-O Ralph M. Parsons Company		6Southeast Arm Looking at Site Office Background and Trimming of Side Slopes, Moving Material Up On Top of Berm.
G960166-23-O Ralph M. Parsons Company		6Southeast Arm, At Culvert Crossing 27+00 Inlet, Showing Earth Dam and Pumping Operation for Rip-Rap Work.
G960166-24-O Ralph M. Parsons Company		6 Forty Ton Trucks Standing By Waiting To Haul When Berm Permits Travel.
G960167-01-O Ralph M. Parsons Company		6 East Side of Corner Station Looking South Station Looking South Showing Aftermath of Storm. Background You Will See Dozer Drying Out Southeast Berm.
G960167-02-O Ralph M. Parsons Company		6 Equipment Drying Out Berm for Preparation for More Lifts of Berm Material.
G960167-03-O Ralph M. Parsons Company		6South East Arm (#1). Here a Grader is Shaping the Slopes of the Berm Then Spreading the Material Over the Berm.
G960167-04-O Ralph M. Parsons Company		6 Southeast Arm at Station 13+00, Rolling Berm for Compaction.
G960167-05-O Ralph M. Parsons Company		6 Southeast Arm at Station 27+00 Where the Workers Are Installing Geotech Fabric at Culvert For Receiving Rip Rap.
G960167-06-O Ralph M. Parsons Company		6Southeast Arm at Station 35+00 This Shows Where a Smooth Roller Was Used to Seal Off the Berm to Protect it From Rain.
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G960167-07-O Ralph M. Parsons Company	8/15/96 Southeast Arm at Station 100+00 Showing the Berm Rolled and Sealed to Prevent Rain Damage.
G960167-08-O Ralph M. Parsons Company	8/15/96 Southeast Arm at Station at 83+00 Culvert Inlet.
G960167-09-O Ralph M. Parsons Company	8/15/96 Southeast Arm At Station 80+00 Showing the Shaping of Side Slopes and Moving the Material to Top of Berm.
G960167-10-O Ralph M. Parsons Company	8/16/96 Southeast Arm Showing a Dozer Spreading Material that Came From Side Slopes.
G960167-11-O Ralph M. Parsons Company	8/16/96 Southeast Arm At Station Showing Rip Rap That Will Be Installed to Inlet of Culvert 43+00.
G960167-12-O Ralph M. Parsons Company	8/16/96 Southeast Arm at Station 43+00 Culvert Showing the Outlet Stranco Will Pump Out the Water and Then Install Rip Rap.
G960167-13-O Ralph M. Parsons Company	8/16/96 Southeast Arm at Station 56+00 Using the Challenger to Dry Out the Berm For Compaction.
G960167-14-O Ralph M. Parsons Company	8/16/96 Southeast Arm at Station 33+00 Showing the Installation of Rip Rap at Culvert Crossing 27+00.
G960167-15-O Ralph M. Parsons Company	8/17/96 Southwest Arm at Station 109+00 Drying Out Berm For Compaction.
G960167-16-O Ralph M. Parsons Company	8/17/96 Southwest Arm at Station 86+00 Drying Berm Material For Compaction.
G960167-17-O Ralph M. Parsons Company	8/18/96 Southwest Arm Showing a Close Up of the Challenger and Operator.
G960167-18-O Ralph M. Parsons Company	8/19/96 Southeast Arm at Station 20+00 Looking Southeast at a Roller Sealing Off Material in Foreground and The Rain Falling As the Sun Shines In the Background
G960167-19-O Ralph M. Parsons Company	8/19/96 Southeast Arm Showing the Berm at Station 58+00 Looking at the Site Office In the Background.
G960167-20-O Ralph M. Parsons Company	8/19/96 Southeast Arm at Station 10+00 Looking Toward the Southwest Arm Over the Excavated Trench.
G960167-21-O Ralph M. Parsons Company	8/19/96 Standing at The Apex Area, Looking at The Southeast Berm Showing Progress in This Area.
G960167-22-O Ralph M. Parsons Company	8/19/96 The Same Photo As In 21 Showing Haul Trucks Following the Spreads Foreman to Be Shown Where To Start Dumping Fill.
G960168-01-O Ralph M. Parsons Company	7/30/96 Positioning Beam Tube Enclosure lifting device over Type 'A' beam tube enclosure
G960168-02-O Ralph M. Parsons Company	7/30/96 Preparing to lift Type 'A' beam tube enclosure
G960168-03-O Ralph M. Parsons Company	7/30/96 Another view of the BTE lifting device on the Type 'A' enclosure
G960168-04-O Ralph M. Parsons Company	7/30/96 Type 'A' showing typical cracking in the top of the arch
G960168-05-O Ralph M. Parsons Company	7/30/96 Close up of the crack in the Type 'A' enclosure
G960168-06-O Ralph M. Parsons Company	7/30/96 Positioning Type 'A' enclosure in the alignment groove on the beam tube slab
G960168-07-O Ralph M. Parsons Company	7/30/96 Final position of Type 'A' enclosure on the beam tube slab
G960168-08-O Ralph M. Parsons Company	7/30/96 Position of Type 'A' enclosure on beam tube slab, at service etnry. Interference between enclosure and conduit identified.
G960168-09-O Ralph M. Parsons Company	7/30/96 Another view of the interference between enclosure and conduit
G960168-10-O Ralph M. Parsons Company	7/30/96 Verifying the fit up of Beam Tube Enclosure (BTE) modules
G960168-11-O Ralph M. Parsons Company	8/2/96 An outside view of the three enclosures (2 Type 'C', 1 Type 'A') together on the beam tube slab
G960168-12-O Ralph M. Parsons Company	8/2/96A view looking through the three enclosures while in place on the beam tube slab
G960168-13-O Ralph M. Parsons Company	8/2/96 A look through the service entrance, while on the beam tube slab
G960168-13-O Ralph M. Parsons Company G960168-14-O Ralph M. Parsons Company	8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 1 of 2)
G960168-13-O Ralph M. Parsons Company	
G960168-13-O Ralph M. Parsons Company G960168-14-O Ralph M. Parsons Company	8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 1 of 2)
G960168-13-O Ralph M. Parsons Company G960168-14-O Ralph M. Parsons Company G960168-15-O Ralph M. Parsons Company	8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 1 of 2) 8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 2 of 2)
G960168-13-O Ralph M. Parsons Company G960168-14-O Ralph M. Parsons Company G960168-15-O Ralph M. Parsons Company G960168-16-O Ralph M. Parsons Company	8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 1 of 2) 8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 2 of 2) 8/2/96 Verification of the integrity from the conduit to the anchor slab (photo 1 of 2)
G960168-13-O Ralph M. Parsons Company G960168-14-O Ralph M. Parsons Company G960168-15-O Ralph M. Parsons Company G960168-16-O Ralph M. Parsons Company G960168-17-O Ralph M. Parsons Company	8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 1 of 2) 8/5/96 Verification of the integrity from the conduit to the service entrance slab (photo 2 of 2) 8/2/96 Verification of the integrity from the conduit to the anchor slab (photo 1 of 2) 8/2/96 Verification of the integrity from the conduit to the anchor slab (photo 2 of 2)
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G960168-42-O	8/16/96 Spiral tube mill - on the coil feed side
G960168-43-O Ralph M. Parsons Company	8/16/96 Another view of the spiral mill - the coil splice
G960168-44-O Ralph M. Parsons Company	8/16/96 A close up view of the spiral mill
G960169-01-B Ralph M. Parsons Company	8/16/96 The control panel to the spiral mill
G960169-02-B Ralph M. Parsons Company	8/16/96 The sprial mill from the other side
G960169-03-B Ralph M. Parsons Company	8/16/96 Forming the coil material into the spiral
G960169-04-B Ralph M. Parsons Company	8/16/96 A view from the other side of the spiral
G960169-05-B Ralph M. Parsons Company	8/16/96 Where the spiral tube is cut while still moving down the mill
G960169-06-B Ralph M. Parsons Company	8/16/96 Mounting the beam tube on the machine where it will be expanded, and uniformly cut for welding
G960169-07-B Ralph M. Parsons Company	8/16/96 Close up view of the beam tube after being expanded and cut
G960169-08-B Ralph M. Parsons Company	8/16/96A typical bellow expansion joint for the beam tube
G960169-09-B Ralph M. Parsons Company	8/16/96Leak test coffins
G960169-10-B Ralph M. Parsons Company	8/16/96 Excavation at the corner station
G960169-11-B Ralph M. Parsons Company	8/16/96A view of the corner station with the field offices in the background
G960169-12-B Ralph M. Parsons Company	8/23/96 Another view of the corner station, looking down the SW arm
G960169-13-B Ralph M. Parsons Company	8/23/96 A view of the water trucks doing their part in dust control
G960169-14-B Ralph M. Parsons Company	8/23/96 Fill for the overpass ramp is being compacted some more
G960169-15-B Ralph M. Parsons Company	8/23/96 Grubbing for chiller pads at the corner station
G960169-16-B Ralph M. Parsons Company	8/23/96 Overlooking the corner station and field offices from the NW arm overpass ramp
G960169-17-B Ralph M. Parsons Company	8/29/96 Another view from "the hill"
G960169-18-B Ralph M. Parsons Company	8/29/96 CBI crew set up at the NW mid-station
G960169-19-B Ralph M. Parsons Company	8/29/96 CBI welding activities preparing for the beam tube placement
G960169-20-B Ralph M. Parsons Company	9/7/96 At Acme Pre-cast yard - Otto is verifying the squareness of the enclosures before being accepted
G960169-21-B Ralph M. Parsons Company	9/7/96 Close up of the equipment being used for the verification of the beam tube enclosures
G960169-22-B Ralph M. Parsons Company	9/7/96 Close up of the equipment being used for the verification of the beam tube enclosures
G960169-23-B Ralph M. Parsons Company	8/30/96 An inside view of the Type 'C' enclosures at the pre-cast yard - the workers are doing remedial work
G960169-24-B Ralph M. Parsons Company	9/7/96 Pouring beam tube enclosures at the pre-cast yard
G960169-25-B Ralph M. Parsons Company	9/7/96 The top of the BTE, prior to finishing the domed top
G960169-26-B Ralph M. Parsons Company	9/7/96 Doming the top of the BTE
G960169-26-B Ralph M. Parsons Company G960169-27-B Ralph M. Parsons Company	9/7/96 Doming the top of the BTE 9/7/96 Another view of the domed topes of the Type 'C' enclosures
G960169-27-B Ralph M. Parsons Company	9/7/96 Another view of the domed topes of the Type 'C' enclosures
G960169-27-B Ralph M. Parsons Company G960169-28-B Ralph M. Parsons Company	9/7/96 Another view of the domed topes of the Type 'C' enclosures 9/7/96 BTE's staged at the pre-cast yard
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G960169-27-B Ralph M. Parsons Company G960169-28-B Ralph M. Parsons Company G960169-29-B Ralph M. Parsons Company G960169-30-B Ralph M. Parsons Company G960169-31-B Ralph M. Parsons Company G960171-01-F G960172-00-D Nergis Mavalvala G960172-00-D Daniel Sigg G960173-00-D Uuca Gammaitoni G960176-00-D Peter Saulson G960176-00-D Alex Abramovici G960177-00-F Gerry Stapfer G960178-00-O Ralph M. Parsons Company G960181-00-P Bill Althouse G960182-00-M Gary Sanders G960183-00-D Daniel Sigg G960183-00-D Daniel Sigg G960183-00-D Ballel Sigg G960183-00-D Ralph M. Parsons Company G960184-00-D Stan Whitcomb G960186-01-O Ralph M. Parsons Company G960186-01-O Ralph M. Parsons Company G960186-03-O Ralph M. Parsons Company G960186-03-O Ralph M. Parsons Company G960186-04-O Ralph M. Parsons Company G960186-05-O Ralph M. Parsons Company	9/7/sePanother view of the domed topes of the Type 'C' enclosures 9/7/sePanother view of the BTE's 9/7/sePan overview of the BTE's 9/7/sePanoverview o
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Document No		
	Full Name	ContractorDocNo Doc Dt Full Title
G960186-08-O	Ralph M. Parsons Company	8/20/96 Southeast arm showing rough terrain truck climbing on berm with load
G960186-09-O	Ralph M. Parsons Company	8/20/96 Southeast arm at the end station showing the A/C pad and extension arm
G960186-10-O	Ralph M. Parsons Company	8/20/96 Southeast arm at the end of arm showing fill being added
G960186-11-O	Ralph M. Parsons Company	8/20/96 Southeast arm at the end station showing rough terrain trucks hauling and dumping fill
G960186-12-O	Ralph M. Parsons Company	8/20/96 Southwest arm showing A/C arm in place
G960186-13-O	Ralph M. Parsons Company	8/20/96 Southwest arm at end station looking NW at berm
G960186-14-O	Ralph M. Parsons Company	8/20/96 Southeast arm at station 50+00 showing side slope and a dozer spreading another lift of the berm
G960186-15-O	Ralph M. Parsons Company	8/21/96 Southeast arm at station 83+00 showing rip rap at culvert crossing
G960186-16-O	Ralph M. Parsons Company	8/21/96 Southeast arm at station 110+00 showing storm rolling in
G960186-17-O	Ralph M. Parsons Company	8/21/96 Southeast arm at end station showing 24" RCP being installed at A/C arm
	Ralph M. Parsons Company	8/21/96 Southeast arm at end station showing A/C pad and arm being installed
G960186-19-O	Ralph M. Parsons Company	8/21/96 Southeast arm at station 40+00 looking NW at a new lift of berm being installed
	Ralph M. Parsons Company	8/21/96 Southeast arm at station 43+00 showing rip rap installation
	Ralph M. Parsons Company	8/21/96 Southeast arm at station 20+00 showing disking and grading of slopes
	Ralph M. Parsons Company	8/22/96 Southeast arm at station 10+00 showing rough slope of berm
	Ralph M. Parsons Company	8/22/96 Southeast arm at station 20+00 showing a closer view of berm, disking and the building of slopes
	Ralph M. Parsons Company	8/22/96 Southeast arm at station 51+00 installing another lift of fill
	Ralph M. Parsons Company	10/27/96 Flooding At Access Road Bridge
	Ralph M. Parsons Company	10/27/96 Southeast Arm At Corner Station
G960189-03-0	. saipir in a disons company	10/27/96Southeast Arm At Station 10+00
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 27+00
	Ralph M. Parsons Company	10/27/96 Southeast Arm At Station 27+00 10/27/96 Southeast Arm At Station 27+00 At Culvert Crossing
	Ralph M. Parsons Company	10/27/96Southeast Arm At Culvert 27+00
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 33+00 showing 24" line between trenches
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 43+00
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 43+00
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 87+00
	Ralph M. Parsons Company	10/27/96Southeast Arm At Station 83+00
	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 106+00
	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 90+00
	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 90+00
	Ralph M. Parsons Company	10/27/96Southeast Arm (#2) At Station 106+00
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	Ralph M. Parsons Company	
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G960189-18-O		10/27/96 Southeast Arm (#2) At Station 91+00
	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex
G960189-19-O	Ralph M. Parsons Company Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading
G960189-19-O G960189-20-O	Ralph M. Parsons Company Ralph M. Parsons Company Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading 10/27/96 Dozers Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process
G960189-19-O G960189-20-O G960189-21-O	Ralph M. Parsons Company Ralph M. Parsons Company Ralph M. Parsons Company Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading 10/27/96 Dozers Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process 10/27/96 Dump Trucks Standing By
G960189-19-O G960189-20-O G960189-21-O G960189-22-O	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading 10/27/96 Dozers Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process 10/27/96 Dump Trucks Standing By 10/27/96 Northwest Quadrant At Center Section Showing The Result Of Back Dragging To Remove Puddles
G960189-19-O G960189-20-O G960189-21-O G960189-22-O G960189-23-O	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading 10/27/96 Dozers Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process 10/27/96 Dump Trucks Standing By 10/27/96 Northwest Quadrant At Center Section Showing The Result Of Back Dragging To Remove Puddles 10/27/96 Same As Previous Photo #22
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G960189-19-O G960189-20-O G960189-21-O G960189-22-O G960189-24-O G960190-01-O	Ralph M. Parsons Company	10/27/96 Southeast Arm (#2) At Station 91+00 10/27/96 East Side Of Construction Complex 10/27/96 Graders Receiving Laser Monitoring Equipment For Fine Grading 10/27/96 Dozers Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process 10/27/96 Dump Trucks Standing By 10/27/96 Northwest Quadrant At Center Section Showing The Result Of Back Dragging To Remove Puddles 10/27/96 Same As Previous Photo #22 10/27/96 Corner Station At NE Quadrant Showing Puddling On Rolled Area 10/31/96 Corner Station At Northern Most Settlement Plate
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G960189-19-O G960189-20-O G960189-21-O G960189-22-O G960189-23-O G960190-01-O G960190-03-O G960190-05-O G960190-08-O G960190-09-O G960190-10-O G960190-11-O G960190-11-O G960190-13-O G960190-13-O G960190-14-O G960190-15-O	Ralph M. Parsons Company	10/27/96Casts State Of Construction Complex 10/27/96Castes Receiving Laser Monitoring Equipment For Fine Grading 10/27/96Casters Receiving Laser Monitoring Equipment For Fine Grading 10/27/96Course Parked, Waiting For Soil To Dry Enough To Start The Drying And Compaction Process 10/27/96Courner Trucks Standing By 10/27/96Courner Trucks Standing By 10/27/96Courner Station At Ne Cludrant At Center Section Showing The Result Of Back Dragging To Remove Puddles 10/27/96Courner Station At Northern Most Settlement Plate 10/27/96Courner Station At Northern Most Settlement Plate 10/21/96Courner Station Looking North From Center Of Fill 10/31/96Courner Station At SE Quadrant, Eastern Side 11/4/96Courner Station At SE Quadrant, Eastern Side 11/4/96Southeast Arm (2) At Station 99+00 11/4/96Southeast Arm (2) Excavating Fill For Comer Station 11/4/96Courner Station At NW Quadrant 11/4/96Courner Station At N

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G960190-18-O Ralph M. Parsons Company		ner Station, At SW Quadrant, Placing And Spreading Fill
G960190-19-O Ralph M. Parsons Company		ner Station, Sealing Off Fill Prior To Forecasted Rain
G960190-20-O Ralph M. Parsons Company		ner Station, Drying Out Fill
G960190-21-O Ralph M. Parsons Company		ner Station, Hauling Fill
G960190-22-O Ralph M. Parsons Company		ner Station, Installing Fill
G960190-23-O Ralph M. Parsons Company		ner Station, Sealing Off Fill Prior To Rain
G960190-24-O Ralph M. Parsons Company		ueling Dump Truck
G960191-01-O Ralph M. Parsons Company		ing and Screeding the Concrete Slab for the Southwest Mid Station Mechanical Room
G960191-02-O Ralph M. Parsons Company		ing and Screeding the Concrete Slab for the Southwest Mid Station Mechanical Room
G960191-03-O Ralph M. Parsons Company		New Handling Device for Type C BTEs, to Prevent Handling Damages in the Precast Yard
G960191-04-O Ralph M. Parsons Company		de View of the New "In Yard" Handling Device for Type C BTEs
G960191-05-O Ralph M. Parsons Company		oser View of the New Handling Device for Type C BTEs
G960191-06-O Ralph M. Parsons Company		Another View of the New "In Yard" Handling Device for the Type C BTEs
G960191-07-O Ralph M. Parsons Company		ose Up View of the Tension Springs and Bolts on the New Handling Device
G960191-08-O Ralph M. Parsons Company		s of BTEs at the Precast Yard Being Prepared and Checked for Shipment To Site
G960191-09-O Ralph M. Parsons Company		kloads of Structural Steel for the Southwest Arm Mid Station Building
G960191-10-O Ralph M. Parsons Company		kloads of Structural Steel for the Southwest Arm Mid Station Building
G960191-11-O Ralph M. Parsons Company		sets on Columns for Cross Bracing Demonstrating Weld and Backing Bar
G960191-12-O Ralph M. Parsons Company		ose Up View of the Structural Steel Member Demonstrating Weld and Connection Points
G960191-13-O Ralph M. Parsons Company		ctural Steel Laid Out for Erection at the Southwest Arm Mid Station
G960191-14-O Ralph M. Parsons Company		ctural Steel Laid Out Waiting to be Erected at the Southwest Arm Mid Station
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G960191-17-0 Ralph M. Parsons Company		Another View of the Concrete Block Erection for the Mechanical Room at the Southwest Arm Mid Station
G960191-19-O Ralph M. Parsons Company		crete Block Erection for the Mechanical Room in the Southwest Arm Mid Station
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G960202-00-D Agnes Dominjon		GO Photodiode Investigations
G960203-00-M Barry Barish		D - The Detection of Gravitational Waves (International Workshop "New World in Astroparticle Physics", University of Algarve, Faro, Portugal)
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G960211-00-E		10/22/96 LIGO Data Analysis Data Formats and Modeling Activities - NSF Technical Review, 22-24 October 1996
G960213-00-D		10/22/96 Research Experience for Undergraduates (REU)
G960214-00-C		10/9/96 Vacuum Cabling and Feedthroughs Requirements
G960216-00-O	out income.	9/18/96 Aerial Picture of Livingston Site
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G960222-00-F		10/22/96 Facilities and Vacuum Equipment - NSF Technical Review, 22-24 October 1996
	Seiji Kawamura	10/31/96 Recent Research on the LIGO 40m Interferometer (Presented at the TAMA Conference in 1996)
G960224-00-D	•	11/14/96 Optics Development for LIGO
G960225-00-M		11/5/96 Searching for Gravitational Waves with LIGO - IEEE 1996 - Nuclear Science Symposium, 5 November 1996
G960227-00-F		11/12/96 Livingston Construction Contracts - Presentation to the NSF
G960230-00-M		11/2/96 The Detection of Gravitational Wayes - Presentation from NRC BPA - Irvine, CA
G960231-00-M	-	11/6/96 The Detection Gravitational Waves - Presentation at Rice University
	Ralph M. Parsons Company	11/25/96 LIGO, Hanford - Southwest Mid & End Stations: First 24 Inches of Technical Foundation
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G960237-00-M	-	11/13/96 Status and Plans for LIGO - TAMA Workshop
	Seiji Kawamura	12/3/96 Investigation of Violin Mode Q for Wires of Vairous Materials, Science Meeting of 3 December 1996
G960238-00-D	-	12/3/96 Investigation of Violin Mode Q for Wires of Vairous Materials, Science Meeting of 3 December 1996
	Jonathan Dawid	12/3/96 Investigation of Violin Mode Q for Wires of Vairous Materials, Science Meeting of 3 December 1996
	David Shoemaker	12/4/96 Detector Subsystem Requirements Review Presentation Viewgraphs
G960239-00-D		12/4/96 Detector Subsystem Requirements Review Presentation Viewgraphs
G960241-00-E	,	12/11/96 Beam Tube Bakeout Design Requirements Review - Presentation
-	Garilynn Billingsley	12/10/96 Core Optics Procurement
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G960245-00-D		12/13/96 IFO Acquisition Modeling Results - Science & Integration Meeting, 12-13 December 1996
G960246-00-R		12/12/96 Signal Recycling and Resonant Sideband Extraction - Science Integration Meeting, 12 December 1996
	Seiji Kawamura	12/12/96 Signal Recycling and Resonant Sideband Extraction - Science Integration Meeting, 12 December 1996
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G960247-00-M	Robbie Voat	12/12/96LIGO R&D After Recycling/Phase Noise Measurements - Science & Integration Meeting, 12-13 December 1996
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G970001-00-M	Gary Sanders	1/6/97 LIGO Advanced Detector R&D Proposal - LIGO Program Advisory Committee Meeting, 6-7 January 1997	
	David Shoemaker	1/6/97 LIGO Interferometers - LIGO Program Advisory Committee Meeting, 6-7 January 1997	
G970004-00-E	Albert Lazzarini	1/6/97 LIGO Data Analysis and Computing - Program Advisory Committee Meeting, 6-7 January 1997	
G970004-00-E	Kent Blackburn	1/6/97 LIGO Data Analysis and Computing - Program Advisory Committee Meeting, 6-7 January 1997	
G970008-B-M	Gary Sanders	3/10/97 Managing the LIGO Project - Ecole de Conduite de Projets, La Londe - 10-15 march 1997	
G970011-00-M	Vladimir Braginsky	1/15/97 The LIGO'S Nonsolved Problems	
G970012-00-P	Bill Althouse	1/16/97 LIGO Technical Board - Discussion of Glass Shedding from LIGO Beam Tube Baffles - 16 January 1997	
G970014-00-R	Robin T. Stebbins	1/6/97 Development of an Active Seismic Isolation Prototype for Gravitational Wave Interferometers - LIGO Program Advisory Committee Meeting, 6-7 January 1997	
G970015-00-R	Robert L. Byer	1/6/97 Advanced Interferometric Gravitational Wave Receivers and their Subsystems (GALILEO, Stanford University) - LIGO Program Advisory Committee Meeting, 6-7 January 1997	
G970016-00-R	Zhouling Wu	1/6/97 Optical Absorption Characterization Using Thermal Waves (Eastern Michigan University) - LIGO Program Advisory Committee Meeting, 6-7 January 1997	
G970017-00-R	David Tanner	1/6/97 Research in LIGO (UF Proposal to NSF)	
G970017-00-R	Guenakh Mitselmakher	1/6/97 Research in LIGO (UF Proposal to NSF)	
G970017-00-R	David Reitze	1/6/97 Research in LIGO (UF Proposal to NSF)	
G970018-00-R	Ron Drever	1/6/97 Development of Laser Interferometer Gravity-Wave Detectors, and Related Investigations in Experimental Gravity and Gravitational Radiation	
G970019-00-R	Seiji Kawamura	1/26/97 Signal Recycling and Resonant Sideband Extraction - Aspen Winter Conference, January 26 - February 2, 1997	
G970020-00-D	Seiji Kawamura	1/26/97 The Initial LIGO Suspension and Isolation - Aspen Winter Conference, January 26, - February 2, 1997	
G970024-00-F	Gerry Stapfer	1/28/97 LIGO - The Detection of Gravitational Waves	
G970025-00-D	Lisa Sievers	2/3/97 Control System Modeling and Design for Acquisition of a LIGO Interferometer	
G970026-00-D	Alex Marin	2/4/97 Viewgraphs for Physics Environment Monitoring (PEM) Preliminary Design Review (PDR) held 5 February 1997	
G970026-00-D	David Shoemaker	2/4/97 Viewgraphs for Physics Environment Monitoring (PEM) Preliminary Design Review (PDR) held 5 February 1997	
G970027-00-M	Gary Sanders	2/6/97 Searching for Gravitational Waves with LIGO - UCLA Physics Colloquium	
G970029-00-C	Jay Heefner	2/5/97 Viewgraphs for Physics Environment Monitoring (PEM) Preliminary Design Review (PDR) held 5 February 1997	
G970042-00-B		2/18/97	
G970045-00-O		3/5/97 Witness Video of HVAC Duct Cleaning at Vendors Shop	
G970047-00-O	Ralph M. Parsons Company	2/28/97 Construction Progress at Hanford	
G970059-00-E	Larry Jones	3/18/97 TRB Meeting, 18 March 1997 - Baffle Shedding Investigations	
G970060-00-O	Ralph M. Parsons Company	3/14/97 Hanford LIGO Construction Progress - Week Ending 3/14/97	
G970061-00-O	Ralph M. Parsons Company	3/7/97 Hanford LIGO Construction Progress - Week Ending 3/7/97	
G970063-00-O	Ralph M. Parsons Company	3/21/97 Hanford LIGO Construction Progress - Week Ending 3/21/97	
G970064-00-E	Kent Blackburn	4/7/97 LIGO Poster Presentation - International Conference on computing in High Energy Physics- Berlin, Germany, April 7-11, 1997	
G970065-00-B	Larry Jones	4/15/97 Beam Tube Technical Review Outline	
G970067-00-D	Michael Smith	3/4/97 Core Optics Support Design Requirements Review (DRR)	
G970068-00-E	Kent Blackburn	4/15/97 LIGO Data Processing - NSF Review	
G970070-00-M	Tone Blackbarr	4/10/3/LIGO Data Flocessing - Not Review	
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	California Institute of Tech. Bill Althouse Bill Althouse	4/15/97 NSF Technical Review of the LIGO Project, 15-17 April 1997 - Review Supporting Documentation Package 4/15/97 Beam Tube Bakeout	
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L920010-00-A I. Baldon 12/31/92 Travel Expense Reports for Kathleen Johnston, 1992 L920011-00-A I. Baldon 12/31/92 Travel Expense Reports for Henrich Heitmann, 1992 L920012-00-A I. Baldon 12/31/92 Travel Expense Reports for Michael Fisher, 1992 L920013-00-A I. Baldon 12/31/92 Travel Expense Reports for Lawrence Chu, 1992			
L920011-00-A I. Baldon 12/31/92 Travel Expense Reports for Henrich Heitmann, 1992 L920012-00-A I. Baldon 12/31/92 Travel Expense Reports for Michael Fisher, 1992 L920013-00-A I. Baldon 12/31/92 Travel Expense Reports for Michael Fisher, 1992 L920013-00-A I. Baldon 12/31/92 Travel Expense Reports for Lawrence Chu, 1992			
L920012-00-A I. Baldon 12/31/92 Travel Expense Reports for Michael Fisher, 1992 L920013-00-A I. Baldon 12/31/92 Travel Expense Reports for Lawrence Chu, 1992			
L920013-00-A I. Baldon 12/31/92 Travel Expense Reports for Lawrence Chu, 1992			
L920014-00-A I. Baldon 12/31/92 Travel Expense Reports for Jettrey Casey, 1992			
	L920014-00-A	I. Baldon	12/31/92 Travel Expense Reports for Jeffrey Casey, 1992

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L920015-00-A	I. Baldon	12/31/92 Travel Expense Reports for Jordan Camp, 1992
L920016-00-A	I. Baldon	12/31/92 Travel Expense Reports for Robert Cady, 1992
L920017-00-A	I. Baldon	12/31/92 Travel Expense Reports for Kent Blackburn, 1992
L920018-00-A	I. Baldon	12/31/92 Travel Expense Reports for John Barr, 1992
L920019-00-A	I. Baldon	12/31/92 Travel Expense Reports for Bill Althouse, 1992
L920020-00-A	I. Baldon	12/31/92 Travel Expense Reports for Volker Schmidt, 1992
L920021-00-A	I. Baldon	12/31/92 Travel Expense Reports for Norbert Solomonson, 1992
L920022-00-A	I. Baldon	12/31/92 Travel Expense Reports for Fred Raab, 1992
L920023-00-A	I. Baldon	12/31/92 Travel Expense Reports for Robert Pierce, 1992
L920024-00-A	I. Baldon	12/31/92 Travel Expense Reports for Irena Petrac, 1992
L920025-00-A	I. Baldon	12/31/92 Travel Expense Reports for Alex Abramovici, 1992
L920026-00-A	Robbie Vogt	9/3/92 Request for Official Approval of Foreign Travel
	Robbie Vogt	4/27/92 Request for Official Approval of Foreign Travel
	Robbie Vogt	4/28/92Request for Official Approval of Foreign Travel
	Robbie Vogt	4/27/92Request for Official Approval of Foreign Travel
	Westinghouse Hanford Co. WHC-EP-0513	11/1/92Biological Assessment for Threatened and Endangered Wildlife Species
	Department of Energy	9/1/92 Environmental Assessment for the Environmental and Molecular Sciences Laboratory at the Hanford Site, Richland WA
	Battelle Pacific Northwest Lab PNL-6415, Rev. 5	12/1/92 Hanford Site National Environmental Policy Act (NEPA) Characterization
L930001-00-A	I. Baldon	12/31/93 Travel Expense Reports for John Worden, 1993
L930002-00-A	I. Baldon	12/31/93 Travel Expense Reports for Stan Whitcomb, 1993
L930002-00-A	I. Baldon	12/31/93 Travel Expense Reports for Robbie Vogt, 1993
L930003-00-A	I. Baldon	12/31/93 Travel Expense Reports for Bill Tyler, 1993
		12/31/93 Travel Expense Reports for Kip Thorne, 1993
L930005-00-A	I. Baldon	
L930006-00-A	I. Baldon	12/31/93 Travel Expense Reports for Rick Savage, 1993
L930007-00-A	I. Baldon	12/31/93 Travel Expense Reports for Joan Sage, 1993
	Robbie Vogt	6/28/93 Request for Official Approval of Foreign Travel - Doug Jungwirth
L930009-00-A	I. Baldon	12/31/93 Travel Expense Reports for Boude Moore, 1993
L930010-00-A	I. Baldon	12/31/93 Travel Expense Reports for Carl Lewis, 1993
L930011-00-A	I. Baldon	12/31/93 Travel Expense Reports for Andy Kuhnert, 1993
L930012-00-A	I. Baldon	12/31/93 Travel Expense Reports for Doug Jungwirth, 1993
L930013-00-A	I. Baldon	12/31/93 Travel Expense Reports for Li Ju, 1993
L930014-00-A	I. Baldon	12/31/93 Travel Expense Reports for Larry Jones, 1993
L930015-00-A	I. Baldon	12/31/93 Travel Expense Reports for Mary Humphrey, 1993
L930016-00-A	I. Baldon	12/31/93 Travel Expense Reports for Greg Hiscott, 1993
L930017-00-A	I. Baldon	12/31/93 Travel Expense Report for Ed Goldwasser, 1993
L930018-00-A	I. Baldon	12/31/93 Travel Expense Report for Gene Giberson, 1993
L930019-00-A	I. Baldon	12/31/93 Travel Expense Report for Richard Fischer, 1993
L930020-00-A	I. Baldon	12/31/93 Travel Expense Reports for Thomas W. Eagar, 1993
L930021-00-A	I. Baldon	12/31/93 Travel Expense Reports For Rolf Bork, 1993
L930022-00-A	I. Baldon	12/31/93 Travel Expense Reports for Fred Asiri, 1993
L930023-00-A	I. Baldon	12/31/93 Travel Expense Reports for W. E. Althouse, 1993
L930024-00-A	I. Baldon	12/31/95 Travel Expense Reports for Alex Abramovici, 1993
L930025-00-A	I. Baldon	12/31/93 Travel Expense Reports for Gerry Stapfer, 1993
L930027-00-A	Robbie Vogt	6/28/93 Request for Official Approval of Foreign Travel - Stan Whitcomb
L930028-00-A	I. Baldon	12/31/93Travel Expense Reports for Tony Riewe, 1993
L930029-00-A	I. Baldon	12/31/93Travel Expense Reports for Fred Raab, 1993
L930030-00-A	I. Baldon	12/31/93Travel Expense Reports for Irena Petrac, 1993
	Robbie Vogt	6/28/93Request for Official Approval of Foreign Travel - Fred Raab
	Robbie Vogt	4/20/93 Request for Official Approval of Foreign Travel - Robbie Vogt
	Robbie Vogt	4/20/93 Request for Official Approval of Foreign Travel - Robbie Vogt
	National Science Foundation NSF-EA-93-02	9/1/93 Environmental Assessment for Construction and Operation of a LIGO on the Hanford Site, Richland WA
	Gary Sanders	11/4/94 LIGO Documents
	Phil Lindquist	11/1/94 Ops/Pre-Ops Combined Cost Estimate
	Stan Whitcomb	9/1/94 Transmittal of LIGO Project Quarterly Report
	Gerry Stapfer	12/5/94 WBS Title Changes
	Gerry Stapfer	12/8/94 Cost Book Update 44/20/04 Povision of the WRS Dictionary Room Tube Subject Description
L940006-00-B	Larry Jones	11/22/94 Revision of the WBS Dictionary - Beam Tube Subject Description

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L940007-00-P	Phil Lindquist	11/17/94Revision of the WBS Dictionary - Level 2 and3
L940008-00-M	•	12/22/94 Transmittal of LIGO proposal, Management Plan and Cost Book for September 1994
L940009-00-U		
L940010-00-U		
L940011-00-U		
L940012-00-U		
L940013-00-U		
L940014-00-U		
L940015-00-U		
L940016-00-U		
	Dr. David Berley	10/26/94 Final Report of the Special Emphasis Panel convened by NSF to validate cost, schedule and management of LIGO
	Phil Lindquist	12/16/94
L940019-00-M	i iii ziiiaqaiot	10/24/94 Final Report to the NSF
	Thomas Kirk	10/24/94 Transmittal of Final Report of the NSF Review Committee
	Dr. David Berley	10/26/94 Transmittal of Final NSF Review Committee Report
L940022-00-A	I. Baldon	12/31/94 Travel Expense Reports for Mike Zucker, 1994
L940023-00-A	I. Baldon	12/31/94 Travel Expense Reports for John Worden, 1994
L940024-00-A	I. Baldon	12/31/94 Travel Expense Reports for Stan Whitcomb, 1994
L940025-00-A	I. Baldon	12/31/94 Travel Expense Reports for Robbie Vogt, 1994
L940026-00-A	I. Baldon	12/31/94 Travel Expense Reports for Kip Thorne, 1994
L940027-00-A	I. Baldon	12/31/94 Travel Expense Reports for Rick Savage, 1994
L940028-00-A	I. Baldon	12/31/94 Travel Expense Reports for Gary Sanders, 1994
L940029-00-A	I. Baldon	12/31/94 Travel Expense Reports for Parke Rohrer, 1994
L940030-00-A	I. Baldon	12/31/94 Travel Expense Reports for Doug Murray, 1994
L940030-00-A	I. Baldon	12/31/94 Travel Expense Reports for Dr. G> Mitselmakher, 1994
L940031-00-A	I. Baldon	12/31/94 Travel Expense Reports for David McClelland, 1994
L940032-00-A	I. Baldon	12/31/94 Travel Expense Reports for Phil Lindquist, 1994
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L940034-00-A		12/31/94 Travel Expense Reports for Carl Lewis, 1994
L940035-00-A	I. Baldon	12/31/94 Travel Expense Reports for Albert Lazzarini, 1994
L940036-00-A	I. Baldon	12/31/94 Travel Expense Reports for Larry Jones, 1994
L940037-00-A	I. Baldon	12/31/94 Travel Expense Reports for Jay Heefner, 1994
L940038-00-A	I. Baldon	12/31/94 Travel Expense Reports for Edwin Goldwasser, 1994
L940039-00-A	I. Baldon	12/31/94 Travel Expense Reports for Gene Giberson, 1994
L940040-00-A	I. Baldon	12/31/94 Travel Expense Reports for Mike Gamble, 1994
L940041-00-A	I. Baldon	12/31/94 Travel Expense Reports for Richard Fischer, 1994
L940042-00-A	I. Baldon	12/31/94 Travel Expense Reports for Thomas Eager, 1994
L940043-00-A	I. Baldon	12/31/94 Travel Expense Reports for Fred Dylla, 1994
L940044-00-A	I. Baldon	12/31/94 Travel Expense Reports for Rolf Bork, 1994
L940045-00-A	I. Baldon	12/31/94 Travel Expense Reports for Ken Blackburn, 1994
L940046-00-A	I. Baldon	12/31/94 Travel Expense Reports for Barry Barish, 1994
L940047-00-A	I. Baldon	12/31/94 Travel Expense Reports for Fred Asiri, 1994]
L940048-00-A	I. Baldon	12/31/94 Travel Expense Reports for Bill Althouse, 1994
L940049-00-A	I. Baldon	12/31/94 Travel Expense Reports for Lew Allen, 1994
L940050-00-A	I. Baldon	12/31/94 Travel Expense Reports for Alex Abramovici, 1994
L940051-00-A	I. Baldon	12/31/94 Travel Expense Reports for Gerry Stapfer, 1994
L940052-00-A	I. Baldon	12/31/94 Travel Expense Reports for Volker Schmidt, 1994
L940053-00-A	I. Baldon	12/31/94 Travel Expense Reports for Bob Spero, 1994
L940054-00-A	I. Baldon	12/31/94 Travel Expense Reports for Tony Riewe, 1994
L940055-00-A	I. Baldon	12/31/94 Travel Expense Reports for Martin Regehr, 1994
L940056-00-A	I. Baldon	12/31/94 Travel Expense Reports for Fred Raab, 1994
L940057-00-A	I. Baldon	12/31/94 Travel Expense Reports for Irena Petrac, 1994
	Gerry Stapfer	5/6/94 Letters and Thank Yous to Participants of the CIB Beam Tube Design Review Board
	Bill Althouse	10/25/94 Review Report for the Vacuum Equipment Specification held 31 August 1994, Final Draft
	David Shoemaker	2/23/95 Seismic Isolation Development, DRAFT Paper
L950001-00-U	Gary Sanders	1/19/95 LIGO Correspondence Templates and Correspondence Standards
L950002-00-U		1/19/95 Approval Process for Publications
L950003-00-U	Gary Sanders	2/1/95 LIGO Document Numbering Scheme

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L950004-00-U	Gerry Stapfer	1/18/95 Beam Tube Air Signature Issue
L950005-00-U	Albert Lazzarini	1/23/95 Thank you for demonstration of EXCEL-based trade study software package
L950006-00-U	Albert Lazzarini	1/23/95 Recommended use of IMOS within MatLab for structure of simulation package
L950007-00-U	Albert Lazzarini	1/19/95 Baffle Design Tasks and Schedule
L950008-00-A	I. Baldon	12/31/93 Travel Expense Reports for Georg Rupschus, 1993
L950009-00-M		2/9/95 Attachment I - MIT/CIT MOU, specific roles and responsibilities for the MIT LIGO group
L950010-00-U	Jay Heefner	1/20/95 Draft CDS Meeting Minutes for January 20, 1995
L950011-00-U	Gary Sanders	1/20/95 Acting Project Manager
L950012-00-U		
L950013-00-U		
L950014-00-U	Robbie Vogt	1/24/95 Agenda for R&D/Detector Section of Science/Integration Meeting
L950015-00-U	Rick Savage	1/21/95 Approval of letter to potential metrology consultant, Prof. Kathryn Creath
L950016-00-U	Rick Savage	1/24/95 Request for expertise in optical metrology
L950017-00-U	Phil Lindquist	1/25/95 End of FY 1994 Annual Report, DRAFT
L950018-00-U	Alex Abramovici	1/25/95 Additional PSL specifications
L950019-00-U		
L950020-00-D	Rick Savage	1/26/95 Summary of 1/24/95 Core Optics Components Meeting
L950021-00-U	Fred Raab	1/26/95 Level of Occupancy for the LIGO Sites in Washington and Louisiana
L950022-00-U	John Worden	1/26/95 Work Authorization for LIGO Vacuum Equipment Proposal Evaluations
L950023-00-U	Alex Abramovici	1/26/95 Viability of argon ion lasers
L950024-00-U	Alex Abramovici	1/27/95 Optics related effort at Spectra Physics
L950025-00-U	Rick Savage	1/26/95 Summary of 1/24/95 Core Optics Components Meeting
L950026-00-A	I. Baldon	12/31/93 Travel Expense Reports for Volker Schmidt, 1993
L950027-00-A	I. Baldon	12/31/93 Travel Expense Reports for Bob Spero, 1993
L950028-00-U		
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L950030-00-U		
L950031-00-D	Robbie Vogt	1/27/95 PSL DRR
L950032-00-U		
L950033-00-U	Phil Lindquist	1/30/95 Computer Committee Meeting Minutes, January 30, 1995
L950034-00-U	Gary Sanders	1/30/95 Reference letter for G.R. Chapman's request for permanent resident alien status - ADMINISTRATIVE CONFIDENTIAL
L950035-00-U	Greg Hiscott	2/1/95 Phone Request for Bridge Annex Room 35
L950036-00-U		
L950037-00-U		
L950038-00-P	Linda Turner	2/15/95 CDRL Processing Forms
L950039-00-P	Linda Turner	2/15/95 CDRL Numbering Scheme
L950040-00-U	Linda Turner	2/14/95 Start-Up Procedures for Incoming and Outgoing Documentation
L950041-00-U		
L950042-00-U		
L950043-00-U		
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L950072-00-U	Alam Alamana and ad		O/O/OF Fields for On other Physical bases
	Alex Abramovici		2/2/95 Etalon for Spectra Physics laser
L950074-00-U			2/2/95 Transmittal of draft LIGO Project Management Plan to NSF
L950075-00-U	Gary Sanders		2/2/95 Transmittal of draft LIGO Project Management Plan
L950076-00-U			
L950077-00-U			2/3/95 Revised Guidelines for Detector Construction Activities
L950078-00-U	Stan Whitcomb		2/3/95 Draft Project Control Meeting Minutes for February 1, 1995
L950079-00-U			ADMINISTRATIVE CONFIDENTIAL
L950080-00-U			ADMINISTRATIVE CONFIDENTIAL
	Karen Dowd		2/6/95 FORM LETTER for RFP #KD 203
L950082-00-U			
L950083-00-U			
L950084-00-U			
L950085-00-U			1/17/95 A-E Design Cost
L950086-00-U			2/6/95 Review Schedules
L950087-00-U			2/6/95 Reassigned Document Control Number
L950088-00-U	A. Martin		2/6/95 Reassigned Document Control Number
L950089-00-U	A. Martin		2/6/95 Reassigned Document Control Number
L950090-00-U	Stan Whitcomb		1/17/95 Recommendation from the Workshop on Baffling
L950091-00-U	Phil Lindquist		2/6/95 Comments on the Cost Estimate
L950092-00-U			
L950093-00-U			
L950094-00-U			
L950095-00-U			
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L950102-00-U			
L950103-00-U			
L950104-00-U			
L950105-00-U			
L950106-00-U			
L950107-00-U	Stan Whitcomb		2/7/95 Agenda for Science Meeting of February 10, 1995
	A. Kuhnert		2/7/95 Monitoring of Slow Signals in the 40M Interferometer
	Irena Petrac		2/9/95 Copies of LIGO Solicitations, KD 201 and KD 203
	Irena Petrac		2/9/95 Information submitted to JPL in support of retaining Linda Turner's services
	Fred Asiri		2/10/95 Transmittal of KD 203
	Irena Petrac		2/10/95 Transmittal of KD 203
L950113-00-U			1/27/95 Tax issues re. LIGO Project
L950114-00-U			1/31/95 Tax issues re. LIGO Project
L950115-00-U			2/7/95 Follow-up letter re. tax issues of LIGO Project
L950116-00-U			2/10/95 Procurement Schedule
L950117-00-U			2/13/95 Hiring Issues
L000117-00-0	Cony Glapier		Li Toron ming 100000

Document No Fu	Full Name	ContractorDocNo Doc Dt Full Title
L950118-00-U G	Sary Sanders	2/28/95 Reply to your memo of February 13 re Secretarial Support, Procurement Scheduling, Office Space (AMENDED) and Addendum dated 3
L950119-00-P Ire	rena Petrac	2/14/95 Transmittal of information copy of RFP #KD 203
L950120-00-P Ire	rena Petrac	2/14/95 Transmittal of RFP #KD 203
L950121-00-U Ri	Rick Savage	2/14/95 Personnel Assignments to the Core Optics Components Task
L950122-00-V AI	Alex Abramovici	2/14/95 Action Item R14, Vacuum Equipment Review
L950123-00-U		
L950124-00-P Ire		2/15/95 Consulting Services Agreement, DRAFT
L950125-00-U Ire	rena Petrac	2/15/95 Transmittal of RFP #KD 203
L950126-00-U		
L950127-00-U		
L950128-00-U G		2/15/95 LIGO Coordinate System
L950129-00-M Ba		2/15/95 Transmittal of MIT/CIT Memorandum of Understanding (MOU)
L950130-00-U Li		1/1/95 Change in Address
L950131-00-U St		2/16/95 Manuscript for Optics Letters
L950132-00-U Li		2/15/95 Contractual Deliverables and Need for Camera Ready Copy
L950133-00-U Ire		2/16/95 Transmittal of RFP #KD 203
L950134-00-U La		2/16/95 Parson's request for a candidate design for the beam tube enclosure
L950135-00-U St L950136-00-U St		2/16/95 Abstract for OPN article on LIGO 2/16/95 Application for participation in the Grant Assistance Program of the International Science Foundation
L950136-00-U R		2/10/95 Application for participation in the Grant Assistance Program of the International Science Foundation 2/10/95 "Nondisclosure Agreement" for review
L950137-00-U Ire		2/10/33 Noticisciosure Agreement for review
L950139-00-U Ire		
L950140-00-U Ire		
L950141-00-U Ire		
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L950147-00-U L950148-00-U L950149-00-U L950150-00-U L950151-00-U L950152-00-U L950153-00-U L950155-00-U L950156-00-P Bi L950157-00-U		
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	L950175-00-U	McMaster-Carr Supp. Co.	
	L950176-00-U	McMaster-Carr Supp. Co.	
	L950177-00-P	Linda Turner	2/27/95 Weekly Report for Week ending 2/24/95
	L950178-00-U	Gary Sanders	2/28/95 Invitation to serve as chair for the source selection board - Vacuum Equipment Design Contract
	L950179-00-U	Stan Whitcomb	2/27/95 Interferometer Photograph and Caption
	L950180-00-U	McMaster-Carr Supp. Co.	
	L950181-00-P	Phil Lindquist	2/27/95 Comparison of COBRA database with SUCCESS Cost Estimate
DESTRUCTION Politics Destruction Des	L950182-00-U		
2001018 COU Part 20050	L950183-00-P	Phil Lindquist	
	L950184-00-U	R. Pool	
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Section 2015 Per Aug. Section 1. Sec		Earl Friese	2/28/95 Vacuum Equipment Review Panel
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		Jay Heefner	
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L950217-00-U Rick Savage 3/15/95 Core Optics Pathfinder Metrology L950219-00-U Stan Whitcomb 3/20/95 Manuscript submission form and copyright transfer agreement (for manuscript LIGO-P950001-00-R) L950220-00-M Gary Sanders 3/16/95 Acting Project Manager L950221-00-U Albert Lazzarini 3/16/95 Descriptive materials outlining AVS and its applications L950222-00-D Bill Althouse 3/16/95 PSL Design Requirements Review Report L950223-00-U Robbie Vogt 3/14/95 Appointment of Senior Research Fellow - Norbert Solomonson ADMINISTRATIVE CONFIDENTIAL L950224-00-D Robbie Vogt 3/16/95 Detector Quarterly Report Input - Period December 1, 1994 through March 28, 1995 L950225-00-U Irena Petrac 3/16/95 Information for revaluation Committee for the LIGO Optics Polishing Technology Demonstration and Evaluation Form L950226-01-B Larry Jones 3/17/95 Beam Tube Quarterly Report - Period ending 2/28/95 L950227-00-U Syd Meshkov 3/15/95 Project Control Meeting Minutes for 15 March 1995			
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L950219-00-U Stan Whitcomb 3/20/95 Manuscript submission form and copyright transfer agreement (for manuscript LIGO-P950001-00-R) L950220-00-M Gary Sanders 3/16/95 Acting Project Manager L950221-00-U Albert Lazzarini 3/16/95 Descriptive materials outlining AVS and its applications L950222-00-D Bill Althouse 3/16/95 PSL Design Requirements Review Report L950223-00-U Robbie Vogt 3/14/95 Appointment of Senior Research Fellow - Norbert Solomonson ADMINISTRATIVE CONFIDENTIAL L950224-00-D Robbie Vogt 3/16/95 Detector Quarterly Report Input - Period December 1, 1994 through March 28, 1995 L950225-00-U Irena Petrac 3/16/95 Beam Tube Quarterly Report - Period ending 2/28/95 L950226-00-B Larry Jones 3/17/95 Beam Tube Quarterly Report - Period ending 2/28/95 L950227-00-U Syd Meshkov 3/15/95 Project Control Meeting Minutes for 15 March 1995			· · · · · · · · · · · · · · · · · · ·
L950221-00-W Gary Sanders 3/16/95 Acting Project Manager L950221-00-U Albert Lazzarini 3/16/95 Descriptive materials outlining AVS and its applications L950222-00-D Bill Althouse 3/16/95 PSL Design Requirements Review Report L950223-00-U Robbie Vogt 3/14/95 Appointment of Senior Research Fellow - Norbert Solomonson ADMINISTRATIVE CONFIDENTIAL L950224-00-D Robbie Vogt 3/16/95 Detector Quarterly Report Input - Period December 1, 1994 through March 28, 1995 L950225-00-U Irena Petrac 3/16/95 Information for Evaluation Committee for the LIGO Optics Polishing Technology Demonstration and Evaluation Form L950226-00-B Larry Jones 3/17/95 Beam Tube Quarterly Report - Period ending 2/28/95 L950227-00-U Syd Meshkov 3/15/95 Project Control Meeting Minutes for 15 March 1995		-	
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			3/17/95 Beam Tube Quarterly Report - Period ending 2/28/95
1050000 00 II Stan Whiteamh 2/20/05 Transmitting reprint of artists drawing of the LICO landscape pointing to FFF Construct		·	3/15/95 Project Control Meeting Minutes for 15 March 1995
L930/220-00-0 Stath Whitecomb 3/20/93 I ransmitting reprint of artists grawing of the Ligo landscape painting to lefe Spectrum	L950228-00-U	Stan Whitcomb	3/20/95 Transmitting reprint of artist's drawing of the LIGO landscape painting to IEEE Spectrum

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L950229-00-U		
L950230-00-U		
L950231-00-U		
L950232-00-M	Karen Sandberg	3/21/95 Executed Lease Agreement/Option for Louisiana Site
L950233-00-C	Volker Schmidt	3/21/95 Cabling for BT Baking and Leak Testing
L950234-00-U	Jay Heefner	3/22/95 Schematics, parts lists and relevant data sheets for circuit boards to be fabricated under P.O. #PP162128-75JH
L950235-00-P	-	3/23/95 Subcontracts Status Report
L950236-00-U	McMaster-Carr Supp. Co.	
L950237-00-P	Irena Petrac	3/23/95 Paperwork for Contract #PC 119673
L950238-00-O	Albert Lazzarini	4/12/95 Vibrational and Acoustic Requirements for the LIGO Facilities
L950239-00-U	McMaster-Carr Supp. Co.	
L950240-00-C	Jay Heefner	3/23/95 Request for budgetary quote for design and fabrication of circuits board
L950241-00-U	McMaster-Carr Supp. Co.	
L950242-00-U	McMaster-Carr Supp. Co.	
L950243-00-U	McMaster-Carr Supp. Co.	
L950244-00-U	I. Baldon	3/27/95 Request for Official Approval of Foreign Travel - NSF Grant PHY-9210038, Acct. #5N501
L950245-00-U	Robbie Vogt	3/27/95 PSL DRR Action Items Assignments
L950246-00-U	McMaster-Carr Supp. Co.	
L95024700M	Barry Barish	3/29/95 Held in Gary Sanders' office - ADMINISTRATIVE CONFIDENTIAL
	Stan Whitcomb	3/28/95 Updated budget for the Moscos State University (MSU) portion of Proposal PHY-9503642
	'	3/28/95 Review Request for LIGO Monthly Report - DRAFT (LIGO-M950012-00-P)
L950250-00-B		3/28/95 LIGO Beam Tube Qualification Test Review, April 17-18, 1995
L950251-00-U	•	3/29/95 Invitation to Observe Beam Tube Qualification Test of April 17-18, 1995
		3/28/95 Beam Tube Enclosure Meeting Summary held 27 March 1995
L950254-00-U	Albert Lazzarini	3/29/95 Facilities Interface Definitions: BT/VE/Civil
	*	3/29/95 Change of Personnel - Caltech Purchasing
	'	3/30/95 LIGO Project Quarterly Report, 1st Quarter, FINAL
L950257-00-P	Phil Lindquist	3/31/95 Allocation of Actual Costs to 'Work Packages'
L950257-00-P L950258-00-O	Phil Lindquist Fred Asiri	3/31/95 Allocation of Actual Costs to 'Work Packages' 3/30/95 Request for manhours budgeted for all the trade studies portion of the LIGO Phase A
L950257-00-P L950258-00-O L950259-00-P	Phil Lindquist Fred Asiri Irena Petrac	3/31/95 Allocation of Actual Costs to 'Work Packages' 3/30/95 Request for manhours budgeted for all the trade studies portion of the LIGO Phase A 3/30/95 Change Order #2 to DOE P.O. for infrastructure services as part of the DOE's involvement in the LIGO construction
L950257-00-P L950258-00-O L950259-00-P L950260-00-U	Phil Lindquist Fred Asiri Irena Petrac Stan Whitcomb	3/31/95 Allocation of Actual Costs to 'Work Packages' 3/30/95 Request for manhours budgeted for all the trade studies portion of the LIGO Phase A 3/30/95 Change Order #2 to DOE P.O. for infrastructure services as part of the DOE's involvement in the LIGO construction 3/30/95 Additional information for distribution of funds in Moscow
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L950257-00-P L950258-00-O L950259-00-P L950260-00-U L950261-00-P L950262-00-M L950263-00-V	Phil Lindquist Fred Asiri Irena Petrac Stan Whitcomb Phil Lindquist Barry Barish Gerry Stapfer	3/31/95 Allocation of Actual Costs to 'Work Packages' 3/30/95 Request for manhours budgeted for all the trade studies portion of the LIGO Phase A 3/30/95 Change Order #2 to DOE P.O. for infrastructure services as part of the DOE's involvement in the LIGO construction 3/30/95 Additional information for distribution of funds in Moscow 3/31/95 Actual Cost Allocation by Account Code 3/31/95 Conference Talks/Attendance 3/31/95 Actions required for the Vacuum Equipment Contract
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L950257-00-P L950258-00-O L950259-00-P L950260-00-U L950261-00-P L950262-00-M L950263-00-V L950264-00-D L950265-00-U L950266-00-U L950268-00-U	Phil Lindquist Fred Asiri Irena Petrac Stan Whitcomb Phil Lindquist Barry Barish Gerry Stapfer Stan Whitcomb McMaster-Carr Supp. Co. McMaster-Carr Supp. Co. Needs to be reassigned McMaster-Carr Supp. Co.	3/31/95 Allocation of Actual Costs to "Work Packages' 3/30/95 Request for manhours budgeted for all the trade studies portion of the LIGO Phase A 3/30/95 Change Order #2 to DOE P.O. for infrastructure services as part of the DOE's involvement in the LIGO construction 3/30/95 Additional information for distribution of funds in Moscow 3/31/95 Actual Cost Allocation by Account Code 3/31/95 Conference Talks/Attendance 3/31/95 Actions required for the Vacuum Equipment Contract 3/31/95 Transmittal of manuscript and figures for "The LIGO", LIGO-P950002-00-R
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	Full Name	ContractorDocNo Doc Dt Full Title
L950286-00-F	Gerry Stapfer	4/12/95 Updated Review Schedule for A-E activities
L950287-00-V	John Worden	4/13/95 Contracting Plan for the Vacuum Equipment Control System
L950288-00-U	Robbie Vogt	4/13/95 Core Optics Components FY95 Statement of Work
L950289-00-O	Fred Asiri	4/13/95 Transmittal of LIGO-L950282-00-O (FONSI)
L950290-00-B	Larry Jones	4/13/95 Updates Required for the Final Version of the Beam Tube Detailed Design Package (CBI CDRL #10)
L950291-00-P	Syd Meshkov	4/17/95 Project Control Meeting Minutes for 12 April 1995
L950292-00-P	Phil Lindquist	4/17/95 Allocation of Labor Costs
L950293-00-P	Phil Lindquist	4/17/95 Change Requests 001, 002, 003 and 004 for information
L950294-00-U	McMaster-Carr Supp. Co.	
L950295-00-R	Stan Whitcomb	4/18/95 Correspondence with ISF concerning transfer of funds to Vladimir Braginsky and his group at Moscow State University
	Phil Lindquist	4/19/95 Computer Committee Meeting Minutes for 10 April 1995
	Phil Lindquist	4/18/95 R&D Performance Measurement Baseline
L950298-00-U	•	4/19/95 Caltech Identification fro Thomas Nguyen
L950299-00-U		
L950300-00-R	D. Lindeman	4/11/95 ISF Grant Assistance Program approval to assist CIT in transfer of funds/equipment to Moscow State University
L950301-00-R		2/23/95 Confirmation of receipt of application to ISF Grant Assistance Program
L950302-00-U		ISF Grant Assistance Program approval to assist CIT in transfer of funds/equipment to Moscow State University
L950303-00-U		
	Stan Whitcomb	4/20/95 MSU subcontract acceptance letter
-	John Worden	4/21/95 Contracting Plan for the Vacuum Equipment Control System
L950306-00-U		72 No. Sestimating Plan For the Country System
L950307-00-P	Linda Turner	4/21/95 Signed Contract #PP161533 for CIT signature and handling
	Phil Lindquist	4/24/95 Distribution of Monthly Progress Report, March 1995 - DRAFT
L950309-00-B	•	4/24/95 Beam Tube Qualification Test Review Viewgraphs
	Phil Lindquist	4/24/95 Change Requests CR-950005, CR-950006
L950311-00-P	'	4/24/95 Project Office Performance Measurement Baseline and Proposed Changes
L950312-00-U	i ili Ellaquist	4/24/331 Toject Office i Chambride Measurement Bascline and i Toposed Orlanges
L950313-00-U	Stan Whitcomh	4/24/95 Change of Account Number on V. Braginsky's Pan Form
L950314-00-U	Ctarr Writteering	4/24/35 Orlainge of Account Number on V. Braginsky 31 arri offin
L950315-00-F		2/1/95 Assessment Report and Right of Way Exhibits for Livingston, LA
	Phil Lindquist	
E000010 00 1		H #//5/95 LIGASMITTAL OT MONTHLY PROGRESS KENOTE MARCH 1995
I 950317-00-P	-	4/25/95 Transmittal of Monthly Progress Report, MARCH 1995
L950317-00-P	-	4/25/95 Transmittal of Monthly Progress Report, MARCH 1995 4/25/95 Assessment of Status of Finance Records
L950318-00-U	Phil Lindquist	4/25/95 Assessment of Status of Finance Records
L950318-00-U L950319-00-B	Phil Lindquist Gerry Stapfer	4/25/95 Assessment of Status of Finance Records 4/27/95 Draft QTR Report
L950318-00-U L950319-00-B L950320-00-U	Phil Lindquist Gerry Stapfer Stan Whitcomb	4/25/95 Assessment of Status of Finance Records 4/27/95 Draft QTR Report 4/27/95 Mode Cleaner Performance Review, 21 April 1995
L950318-00-U L950319-00-B L950320-00-U L950321-00-C	Phil Lindquist Gerry Stapfer Stan Whitcomb Jay Heefner	4/25/95 Assessment of Status of Finance Records 4/27/95 Draft QTR Report 4/27/95 Mode Cleaner Performance Review, 21 April 1995 4/27/95 Schematics for circuit board fabrication under P.O. PP164617-75JH
L950318-00-U L950319-00-B L950320-00-U L950321-00-C L950322-00-P	Phil Lindquist Gerry Stapfer Stan Whitcomb Jay Heefner Phil Lindquist	4/25/95 Assessment of Status of Finance Records 4/27/95 Draft QTR Report 4/27/95 Mode Cleaner Performance Review, 21 April 1995 4/27/95 Schematics for circuit board fabrication under P.O. PP164617-75JH 4/28/95 CCB meeting to review CR-0001 and CR-005B
L950318-00-U L950319-00-B L950320-00-U L950321-00-C L950322-00-P L950323-00-P	Phil Lindquist Gerry Stapfer Stan Whitcomb Jay Heefner Phil Lindquist Syd Meshkov	4/25/95 Assessment of Status of Finance Records 4/27/95 Draft QTR Report 4/27/95 Mode Cleaner Performance Review, 21 April 1995 4/27/95 Schematics for circuit board fabrication under P.O. PP164617-75JH 4/28/95 CCB meeting to review CR-0001 and CR-005B 5/1/95 Project Control Meeting Minutes for 26 April 1995
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	L950353-00-U	Albert Lazzarini	5/15/95 Future advice and expertise for dynamic wind disturbances in LIGO
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1900/2019 1900	L950355-00-B	Larry Jones	5/16/95 Review of Beam Tube Specimen Contract
	L950356-00-R	J. Richardson	5/11/95 Receipt of final version of manuscript
165590-045 vs. Aley	L950357-00-I	Rick Savage	5/16/95 REO System Requirements Review
1505091-004 Storman	L950358-00-A	Beth Moore	5/12/95 Otto Matherney - Relocation
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L950401-00-R	Stan Whitcomb	5/24/95 Notice of unaccepted application for LIGO staff position	
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-	Phil Lindquist	5/25/95 Distribution of MIT Costs Invoiced for February and March 1995
	Linda Turner	5/25/95 Distribution of Computer Integrated Engineering Implementation Plan from Parsons
	Gary Sanders	5/24/95 Our review meeting of May 16 and related matters - Administrative Confidential
	Bill Althouse	5/25/95 Prestabilized Laser Preliminary Design Review (PDR)
	McMaster-Carr Supp. Co.	3/23/93/Flestabilized Laser Fleiinilliary Design Review (FDR)
	McMaster-Carr Supp. Co.	
	Jordan Camp	5/23/95 Summary of discussion of Argon ion laser vendor choice
	Bill Althouse	5/26/95 Prestabilized Laser Preliminary Design Review (PDR)
	Phil Lindquist	5/26/95 Flestabilized Laser Fleiliminary Design Review (FDR) 5/26/95 LIGO Change Control Board Meeting Scheduled for 31 May 1995
	Bill Althouse	5/26/95 Suspension Subsystem Design Requirements Review
	Syd Meshkov	5/30/95 Project Control Meeting Minutes, 24 May 1995
	Bill Althouse	5/31/95 Activity Status Report
L950470-00-V	John Worden	6/1/95 Backup Sheets for CR-950007 and CR-950008
	McMaster-Carr Supp. Co.	0/1/93 Backup Sheets for CK-930007 and CK-930006
	Phil Lindquist	5/20/95 LIGO Change Control Board Meeting Minutes, 31 May 1995
	McMaster-Carr Supp. Co.	3/20/93 LIGO Griange Control Board Meeting Minutes, 31 May 1993
	McMaster-Carr Supp. Co.	
	Phil Lindquist	6/5/95 Transmittal of LIGO Project Monthly Progress Report for April 1995
L950475-01-P	-	8/2/95 Revised Procedure for Labor Reporting
	Phil Lindquist	6/5/95 End of April Allocation of Actual Costs
L950477-00-M	· · · · · · · · · · · · · · · · · · ·	6/2/95 Otto Matherney - Relocation with North American Van Lines
L950477-00-M		6/6/95 Transmittal of MOU between CaRT and LIGO (LIGO-M950019-00-M)
L950479-00-M		6/6/95 Transmittal of MOU between CaRT and LIGO (LIGO-M950019-00-M)
	McMaster-Carr Supp. Co.	0/0/93 Transmittal of MOO between Carri and Eloc (Eloc-Missou 13-00-IVI)
	Bill Althouse	6/6/95 Quarterly Report Input from Detector Group
L950482-00-B	Larry Jones	6/7/95 Quarterly Report Input for Beam Tube, period ending 5/31/95
	Phil Lindquist	6/7/95 Allocation of Actual Costs - Detail Reports
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	Phil Lindquist	6/7/95 NSF Proposal Materials Concerning Dr. K. Sliwa 6/8/95 Distribution of MIT Costs Invoiced for April 1995
L950485-00-P	Phil Lindquist	6/8/95 Distribution of MIT Costs Invoiced for April 1995
L950485-00-P L950486-00-P	Phil Lindquist Linda Turner	6/8/95 Distribution of MIT Costs Invoiced for April 1995 6/9/95 Room 51 Floor Plan and Proposed Cabinet
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L950485-00-P L950486-00-P L950487-00-P L950488-00-M L950489-00-P L950490-02-E L950491-00-V L950492-00-U L950493-00-U L950496-00-R L950496-00-R L950498-00-M L950500-00-M L950500-00-M L950500-00-P L950503-00-U L950505-00-A L950506-00-U L950508-00-U L950508-00-U L950509-00-U	Phil Lindquist Linda Turner Phil Lindquist Gary Sanders Syd Meshkov John Worden Irena Petrac John Worden McMaster-Carr Supp. Co. McMaster-Carr Supp. Co. Seiji Kawamura Phil Lindquist Stan Whitcomb Lisa Sievers Barry Barish I. Baldon Gary Sanders John Worden Syd Meshkov McMaster-Carr Supp. Co. I. Baldon McMaster-Carr Supp. Co. I. Baldon McMaster-Carr Supp. Co. Stan Whitcomb	6/8/95 Distribution of MIT Costs invoiced for April 1995 6/995 Room 51 Floor Plan and Proposed Zabinet 6/13/95 Cost/Schedule Control Systems Reporting Calendar 6/995 Justification for Purchase of High-Volume Copy Machine 6/12/95 Project Control Meeting Minutes. 7 June 1995 6/12/95 Project Control Meeting Minutes. 7 June 1995 6/12/95 Vacuum Equipment Evaluation Review Panel Meeting, 21 July 1995 4/22/96 Change Order Number 2 for P.O. PP167159 6/12/95 6/12/95 6/12/95 6/12/95 6/13/95 Completed forms "Additional Information: Purchase of Material" for equipment to be purchased for V. Braginsky at Moscow State 6/15/95 Transmittal of LIGO-17950038-0-R 6/15/95 Change in A/C Number 6/15/95 Change in A/C Number 6/16/95 Invitation to Vacuum Equipment Preliminary Design Reviews, 26-27 June 1995 6/19/95

Desument No.	Full Name Co	ontractorDocNo Doc Dt Full Title
Document No		
L950512-00-P		6/26/95
L950513-00-O	_	6/22/95 Civil Construction Requirements Definition Process
L950514-00-M		6/23/95 Transmittal of Quarterly Progress Report, 2nd Quarter 1995
L950515-00-R		6/23/95
L950516-00-M		6/23/95
L950517-00-M		6/23/95
	McMaster-Carr Supp. Co.	
	McMaster-Carr Supp. Co.	
	McMaster-Carr Supp. Co.	
L950521-00-M		6/9/95
L950522-00-D		6/27/95
	McMaster-Carr Supp. Co.	6/28/95
	John Worden	6/29/95 Vacuum Equipment Evaluation Committee Meeting for 5 July 1995
	Syd Meshkov	6/30/95
L950526-00-M		6/16/95
L950527-00-P	Phil Lindquist	6/19/95
L950528-00-M	Gary Sanders	6/20/95
L950529-00-V		6/30/95
L950530-00-P	Linda Turner	6/16/95
	McMaster-Carr Supp. Co.	5/23/95
L950532-00-M		5/31/95
L950533-00-M	-	5/30/95 LIGO Project - State Tax Issues, Washington
L950534-00-M	-	5/30/95 LIGO Project State Tax Issues, Louisiana
	McMaster-Carr Supp. Co.	
L950536-00-D		5/22/95 Pathfinder Optics shipping Container Statement of Work
	McMaster-Carr Supp. Co.	
	McMaster-Carr Supp. Co.	
L950539-00-M		4/24/96 Administrative Confidential
L950540-00-M		4/24/96 Administrative Confidential
	Irena Petrac	7/10/95 VME System Cost Estimate
L950542-00-U	McMaster-Carr Supp. Co.	
	Stan Whitcomb	7/14/95 Letter of Recommendation
	McMaster-Carr Supp. Co.	
L950548-00-U	Stan Whitcomb	7/14/95 Student Volunteer - Uta Weiland
L950549-00-P	Syd Meshkov	7/17/95 Project Control Meeting Minutes for 12 July 1995
L95054900P	Syd Meshkov	7/24/95 Project Control Meeting Minutes for 19 July 1995
	Phil Lindquist	7/14/95 Allocation of Actual Costs - Detail Reports, June 1995
	McMaster-Carr Supp. Co.	
L950552-00-U	McMaster-Carr Supp. Co.	
L950553-00-U	McMaster-Carr Supp. Co.	
	Bill Althouse	7/19/95 Comments on Parsons' Final Concept Design Documents
	Gerry Stapfer	7/17/95 Facilities Action Item List
	Mark Coles	7/18/95 Objection to DOE Selection of Hanford for Interim Plutonium Pit Storage
L950557-00-O	Volker Schmidt	7/19/95 Reponse to Parsons 100% Conceptual Design Documentation
	Linda Coble	7/18/95 Copy of Approved Invoice
L950559-00-U		10/2/95 Missing Document
	I. Baldon	7/19/95 Confirmation of July 31, 1995 Oversight Committee Meeting
	April Burke	7/20/95 Livingston Site Commemoration Photos
	Robbie Vogt	7/20/95 Business Introduction
L950563-00-U		10/2/95 Missing document
	Phil Lindquist	7/20/95 Transmittal of Monthly Progress Report, June 1995
L950565-00-U		10/2/95 Missing Document
	Mike Zucker	7/21/95 Planned Revisions to Vacuum Equipment Specifications
L950566-00-V	John Worden	7/21/95 Planned Revisions to Vacuum Equipment Specifications

Document No	Full Name ContractorDoo	cNo Doc Dt Full Title
L950567-00-U		10/2/95 Missing Document
L950568-00-B	Larry Jones	7/21/95 Beam Tube Baffle Design Review
	Garilynn Billingsley	7/18/95 Current Inventory of Large Optics for the Pathfinder Program
L950570-00-U		10/2/95 missing document
L950571-00-U		10/2/95 missing document
L950572-00-V	Gerry Stapfer	7/24/95 Vacuum Equipment Review Panel Meeting
L950573-00-M	Randy Bond	7/13/95 Business Introduction
L950574-00-M	Richard Fischer	7/18/95 Report on the Transco Meeting held at Transco Tower, Houston, TX - 7/18/95
L950575-00-D	Garilynn Billingsley	7/24/95 Report on Meeting between CIT and REO on 20 July 1995
L950576-00-P	Phil Lindquist	7/25/95 LIGO Change Control Board Meeting Minutes for 24 July 1995
L950577-00-P	Phil Lindquist	7/25/95 Change Request CR-950014
L950578-00-U		10/2/95 missing document
L950581-00-M	Gary Sanders	7/27/95 Follow-Up on Livingston Meeting of 6 July 1995
L950582-00-M	Gary Sanders	7/26/95 Annual Caltech LIGO Staff Salary Review
L950583-00-M		7/28/95 This document number changed to LIGO-G950070-00-M
L950584-00-P	Syd Meshkov	7/31/95 Project Control Meeting Minutes for 26 July 1995
L950586-00-P	Graham H. Fernald, Esq.	7/28/95 Taxes in Washington: Research and Development Credits
L950587-00-P	Phil Lindquist	7/31/95 Annual Work Plan Preparations - FY 1996
L950588-00-M	Graham H. Fernald, Esq.	7/30/95 Taxes in Washington: Sales Tax Exemption if NSF Owns the Project
L950588-00-O	John Worden	7/30/95 Mechanical Building Space Requirements, LVEA Storage
L950589-00-P	Ed Jasnow	7/31/95 LIGO Project Beam Tube Modules
L950590-00-O	Fred Asiri	7/31/95 Caltech/Parsons Weekly Meeting Minutes for 31 July 1995
L950591-00-F	Mark Coles	8/3/95 Oversight and Liaison with Major Facilities Subcontractors
L950592-00-O		8/3/95 Transco/LIGO Meeting Minutes of 18 July 1995
L950593-00-E	Albert Lazzarini	7/28/95 Determination of the Minimum LN2 Trap Inner Diameter Needed to Sheild it from Direct Line of Sight from a Test Mass
L950594-00-P	Syd Meshkov	8/7/95 Project Control Meeting Minutes for 2 August 1995
L950595-00-B	Ed Jasnow	8/4/95 Request for Quotation on Baffles
L950596-00-B	Ed Jasnow	8/4/95 Request for Quotation on Baffles
	Ed Jasnow	8/4/95 Request for Quotation for Baffles
L950599-00-D	Garilynn Billingsley	8/10/95 HDOS Meeting Report for 3 August 1995
L950599-00-D L950600-00-D	Garilynn Billingsley Alex Abramovici	8/10/95 HDOS Meeting Report for 3 August 1995 8/8/95 Transmittal of LIGO-T950047-01-E
L950599-00-D L950600-00-D L950601-00-E	Garilynn Billingsley Alex Abramovici Alex Abramovici	8/10/95 HDOS Meeting Report for 3 August 1995 8/8/95 Transmittal of LIGO-T950047-01-E 8/8/95 Transmittal of LIGO-T950047-01-E
L950599-00-D L950600-00-D L950601-00-E L950602-00-E	Garilynn Billingsley Alex Abramovici Alex Abramovici Alex Abramovici	8/10/95 HDOS Meeting Report for 3 August 1995 8/8/95 Transmittal of LIGO-T950047-01-E 8/8/95 Transmittal of LIGO-T950047-01-E 8/8/95 Transmittal of LIGO-T950047-00-E
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Document No	Full Name ContractorDocNo	Doc Dt Full Title
L950630-00-P		8/15/95 Change Control Board Meeting Minutes for 14 August 1995
L950631-00-M	•	8/15/95 Request for LIGO Documents for PPAC
		8/15/95 Comments on "Laser Nd YAG vs Argon" draft
	I. Baldon	8/18/95 Pre-Program Advisory Committee Meeting, 8-9 September 1995
L950633-00-M		8/10/95Labor Wages for Livingston
	Gary Sanders	8/21/95Business Introductions
	Phil Lindquist	8/16/95 Change Control Board Meeting, 21 August 1995
	Cindy Akutagawa	8/17/95LIGO Labor Charges
	J. H. Krause	6/15/95Pipeline Adjustment Agreement
	Richard Fischer	8/17/95 Louisiana Site Lease Agreement
	Dennis Coyne	8/11/95 Project Control Meeting Minutes for 16 August 1995
	Phil Lindquist	8/18/95 Allocation of Actual Costs - Detail Reports, July 1995
	Phil Lindquist	8/21/95 Distribution of LIGO Project Monthly Progress Report, July 1995
	Phil Lindquist	8/21/95 Change Control Board Meeting Minutes for 21 August 1995
	Phil Lindquist	8/22/95LIGO Project Signature Authority
	·	4/24/96Administrative Confidential
L950647-00-M	,	4/24/96Administrative Confidential
L950649-00-U	Albert Lazzarini	8/21/95 CPU-Intensive Computations for LIGO Detector Simulation Using FFTs
		8/2/95 Approval for Formation and Membership of the PPAC
L950651-00-P	Linda Turner	8/23/95LIGO Document Inventory - Early LIGO Days
L950652-00-E	Albert Lazzarini	8/22/95 Closure of Al#15 from the Detector Group Meeting: Definition of Acceptable Data Dropout Rates
	Gary Miller	8/22/95 Pipeline Adjustment Agreement
L950653-A-M	Gary Miller	8/25/95 Sorrento to Dixie 6-inch Pipeline; Pipeline Adjustment Agreement
L950654-00-P	Linda Turner	7/31/95 Office Needs/Problems
L950655-00-V	Linda Tuniei	8/23/95 Proposed Contract for Vacuum Equipment
	Phil Lindquist	8/23/95 Allocation of Actual Costs - Year-to-Date Detail Reports, July 1995
L950657-00-E	Albert Lazzarini	8/24/95 Process and Coating Material for Optical Baffling System
	Carl Marshall	8/3/95LIGO Project Dehumidification Review
	Phil Lindquist	8/24/95Labor Distribution Detail Report
	Phil Lindquist	8/25/95 Annual Work Plan - Resume Updates
	Gary Miller	8/25/95 Pipeline Adjustment Agreement - Signed
	Wes Yonge	8/25/95LIGO Cost Estimate
L950663-00-P	Linda Turner	8/28/95 Proposed Engineering Drawing Template
	Rolf Bork	8/29/95 Project Control Meeting Minutes for 23 August 1995
	Seiji Kawamura	8/29/95 SUS PDR
L950666-00-P		9/8/95 Distribution of MIT Costs Invoiced for June 1995
L950667-00-D	·	8/30/95 SUS PDR
	Ed Jasnow	8/31/95 Proposed Contract for Vacuum Equipment
	Cindy Akutagawa	9/8/95 DRAFT System Requirements for LIGO Procurement System/Database
	Phil Lindquist	9/8/95 DRAFT System Requirements for LIGO Procurement System/Database
	Larry Jones	9/5/95 Site Services Issues for Beam Tube Contract
	Dennis Coyne	9/5/95 Project Control Meeting Minutes for 30 August 1995
	Donna Tomlison	9/6/95 PPAC Interdepartmental Meeting Requests
	Larry Jones	9/6/95 Annual Work Plan: Beam Tube, 1996
L950704-00-M	-	9/6/95 Congressional Research Service (CRS) Report on LIGO
L950705-00-M	•	8/23/95 Project Management Plan
L950706-00-M		9/7/95 Dr. Krzysztof Sliwa Appointment
		8/30/95 Quarterly Report and Annual Work Plan for 1996
	Robbie Vogt	
L950708-00-M		8/28/95 Approved Line of Credit with State of Louisiana
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L950709-00-P	Kevin Reilly Syd Meshkov	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995
L950709-00-P	Kevin Reilly Syd Meshkov Larry Jones	8/28/95 Approved Line of Credit with State of Louisiana
L950709-00-P L950710-00-B L950712-00-O	Kevin Reilly Syd Meshkov Larry Jones Peter Babin	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995 9/11/95 Preview of LIGO Arm Layout and Baffle Drawings 9/11/95 Union Labor Rate Dispute
L950709-00-P L950710-00-B L950712-00-O L950713-00-P	Kevin Reilly Syd Meshkov Larry Jones Peter Babin	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995 9/11/95 Preview of LIGO Arm Layout and Baffle Drawings 9/11/95 Union Labor Rate Dispute 9/12/95 Quaterly Report Submittals
L950709-00-P L950710-00-B L950712-00-O L950713-00-P L950714-00-O	Kevin Reilly Syd Meshkov Larry Jones Peter Babin Phil Lindquist Steve Robinson	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995 9/11/95 Preview of LIGO Arm Layout and Baffle Drawings 9/11/95 Union Labor Rate Dispute 9/12/95 Quaterly Report Submittals 9/12/95 Advance Notification from Office of Commerce and Industry
L950709-00-P L950710-00-B L950712-00-O L950713-00-P L950714-00-O L950715-00-M	Kevin Reilly Syd Meshkov Larry Jones Peter Babin Phil Lindquist Steve Robinson Eleanor Griffin	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995 9/11/95 Preview of LIGO Arm Layout and Baffle Drawings 9/11/95 Union Labor Rate Dispute 9/12/95 Quaterly Report Submittals 9/12/95 Advance Notification from Office of Commerce and Industry 9/19/95 LIGO Contract Information for Liability Coverage
L950709-00-P L950710-00-B L950712-00-O L950713-00-P L950714-00-O L950715-00-M	Kevin Reilly Syd Meshkov Larry Jones Peter Babin Phil Lindquist Steve Robinson	8/28/95 Approved Line of Credit with State of Louisiana 9/11/95 Project Control Meeting Minutes for 6 September 1995 9/11/95 Preview of LIGO Arm Layout and Baffle Drawings 9/11/95 Union Labor Rate Dispute 9/12/95 Quaterly Report Submittals 9/12/95 Advance Notification from Office of Commerce and Industry

Desument No.	Full Name Contractor Deckle	Dec Distriction
Document No		Doc Dt Full Title
	Richard Fischer	7/17/75 Union Letter Draft
	Robert Eisenstein	8/1/95 Grant Award
L950720-00-M	•	8/16/95 Revisions and Clarifications for MOU with the Galileo Program at Stanford University
L950721-00-M		8/16/95 Sample Letter of Intent
L950722-00-M		9/14/95 Decision to Switch to YAG Lasers
L950722-00-M	-	9/14/95 Decision to Switch to YAG Lasers
	Larry Jones	9/15/95 Quarterly Report Submittal for Beam Tube
	Phil Lindquist	9/18/95 Annual Work Plan, DRAFT
	John Tappan	9/18/95 LIGO ASC Optical Lever Design and Prototype Testing Schedule, dated 13 September 1995 (Including holidays)
	David Shoemaker	9/18/95 LIGO ASC Optical Lever Design and Prototype Testing Schedule, dated 13 September 1995 (Including holidays)
	Syd Meshkov	9/18/95 Project Control Meeting Minutes for 13 September 1995
	Phil Lindquist	9/18/89 Allocation of Actual Costs - Detail Reports, August 1995
L950728-00-M		9/19/95 Apology for Poor Form/Brochure
	Donna Tomlison	9/19/95 NSF LIGO Technical Review Agenda for 9-11 October 1995
	Nancy Dougherty	9/19/95 LSU/LIGO/Transco Easement Agreement Review
	Richard Fischer	9/19/95 Qualifications for Washington R & D Exemption
	Robert Spero	9/19/95 SUS Design Requirements Review Report
L950735-00-O		9/20/95 Advertisement from Daily Journal of Commerce
	Graham H. Fernald, Esq.	9/21/95 LIGO-Washington Tax Credit
	Phil Lindquist	9/25/95 Quarterly Report, Draft
	Syd Meshkov	9/25/95 Project Control Meeting Minutes for 20 September 1995
	Richard Fischer	9/24/95 Washington Tax Exemption Presentation Agenda
	Richard Fischer	9/24/95 Liability Insurance for Livingston
	Phil Lindquist	9/25/95 Change Request CR-950022, General Computing
	Graham H. Fernald, Esq.	9/25/95 Sales Tax on the LIGO in Washington: Ownership Issues
L950746-00-M		9/25/95 Photograph Request
L950747-00-M		9/21/95 Invitation to attend NSF Review 9-11 October 1995
	Albert Lazzarini	9/26/95 LIGO Requirements and Specifications Document Tree, Preliminary Draft
	Robert Powell	9/27/95 Vacuum Equipment Contract Press Release
	Albert Lazzarini	9/27/95 SOW for Parker EMC Engineering
	Phil Lindquist	9/27/95 Change Control Board Meeting Minutes for 25 September 1995
	Phil Lindquist	9/28/95 Project Quarterly Report ending with August 1995
	Betty Behnke	9/28/95 Viewgraphs from Science and Integration Meeting, 21-22 September 1995
L950755-00-M		9/19/95 PPAC Meeting Minutes for 8-9 September 1995
L950756-00-M		9/25/95 Progress on LIGO Research Community Charter and Nominations
L950757-00-M		9/26/95 LIGO Research Community Executive Committee Candidates and Charter
L950758-00-M		2/9/95 Aspen Meeting Communique
L950759-00-M		9/26/95 Analysis of Tax Issues and Presentation to the NSF
	Kent Blackburn	9/29/95 Interferometer Noise Meeting Minutes - MIT, 14-15 September 1995
	Syd Meshkov	10/2/95 Project Control Meeting Minutes for 27 September 1995
	Anthony Campillo	9/29/95 Manuscript Revision Suggestions
L950763-00-M		9/29/95 1995 Enterprise Zone Program
	California Institute of Tech.	9/29/95 NSF Review Materials - Reviewer's Documentation Package
L950765-00-M		9/28/95 Letter of Intent
	Phil Lindquist	10/2/95 Distribution of MIT Costs Invoiced for July 1995
	Albert Lazzarini	10/3/95 LIGO Science Requirements Documents, Level 1 Specification
L950770-00-E		10/3/95 LIGO Science Requirements Documents, Level 1 Specification
L950771-00-M		10/3/95 Remote Sites Planning Meeting Minutes for 3 October 1995
	I. Baldon	10/3/95 Reimbursement to Caltech for Airfare to Cleveland, OH for Al Lazzarini
	Stan Whitcomb	10/4/95 Official Notification of Funding for Moscow State University
L950775-00-M		10/4/95 Receipts for Hotel
L950776-00-E	-	9/28/95 Request for Review/Comment on the Draft Vacuum Equipment (VE) - Civil Construction (CC) Interface Control Document (ICD)
L950777-00-M		10/2/95 Required Certifications for NSF Conflict of Interest Compliance
L950778-00-M		10/6/95 LIGO Oversight Committee Meeting Minutes for 31 July 1995
	Irena Petrac	10/6/95 Procurement Lead Times, Change Order 16 to MIT Contract
	Syd Meshkov	10/4/95 Project Control Meeting Minutes for 4 October 1995
L950781-00-M	Beth Moore	10/6/95 Women and Minority Representation in LIGO Project

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L950782-00-M	Steve Robinson	10/6/95 Sales Tax Exemption in Louisiana on Sales for Resale
L950783-00-M	Phil Lindquist	10/18/95 Transmitting Continuation Proposal and MIT Budget Request for NSF
L950783-00-P	Phil Lindquist	10/7/95 Transmittal of Annual Work Plan '96
L950785-00-M	Steve Robinson	10/11/95 1995 East Baton Rouge Parish Enterprise Zone Maps
L950786-00-P	Phil Lindquist	10/12/95 Signed Proposal for MIT LIGO Participation, FY 1996
L950787-00-P	Phil Lindquist	10/12/95 LIGO Change Control Board Meeting Scheduled for 16 October 1995
L950788-00-P	Cindy Akutagawa	10/16/95 Allocation of Actual Costs - Detail Report, End of September 1995
L950789-00-M	Gary Sanders	10/13/95 Anticipated Delay in Residence Sale: Mark Coles
L950790-00-M	Gary Sanders	10/13/95 Delayed Relocation of Rolf Bork
L950791-00-V	John Worden	10/16/95 Vacuum Equipment Agreements and Commitments with PSI
L950792-00-M	Fred Raab	10/16/95 Remote Sites Planning Committee Meeting Minutes for 16 October 1995
L950793-00-E	Albert Lazzarini	10/16/95 Request for LIGO and VIRGO Meeting in Near Future
L950794-00-P	Syd Meshkov	10/16/95 Project Control Meeting Minutes for 12 October 1995
L950795-00-M	Cheryl Glenn	10/6/95 Transmittal of Signed MOU with University of Colorado and LIGO
L950796-00-E	Dennis Coyne	10/19/95 Abstract for presentation at the IEEE Aerospace Applications Conference
L950797-00-M	Earl Friese	10/5/95 Realignment of Budget for Subaward to Tufts University for Professor Sliwa
L950798-00-M	Earl Friese	10/10/95 GSA Draft Guidelines for Citing of Antennas
L950799-00-A	I. Baldon	10/18/95 Relocation Travel Receipts - David Barker and Phil Lindquist
L950800-00-P	Phil Lindquist	10/19/95 LIGO Change Control Board Meeting Minutes for 16 October 1995
L950801-00-E	Albert Lazzarini	10/13/95 LIGO Integration Meeting Minutes for 13 October 1995
L950803-00-M	Barry Barish	10/19/95 Louisiana Rough Grading - Additional Road
L950804-00-M	Dr. David Berley	10/2/95 Agenda and Materials for NSF Review, 9-11 October 1995
L950805-00-B	Larry Jones	10/20/95 Power Requirements for Beam Tube Module Bake
L950806-00-P	Syd Meshkov	10/23/95 Project Control Meeting Minutes for 18 October 1995
L950807-00-P	Phil Lindquist	10/23/95 Transmittal of Monthly Progress Report for September 1995
L950808-00-D	Robbie Vogt	10/23/95 SUS DRR Action Items
L950809-00-B	Gary Sanders	11/3/95 LIGO Beam Tube Source Selection Board Meeting
L950810-00-E	William Young	10/30/95 LIGO Naming Conventions
L950811-00-P	Phil Lindquist	10/23/95 Change Request CR-950023 - TDM to Parsons Regarding Hanford Beam Tube Enclosure Draft Final Design Package
L950812-00-B	Gary Sanders	10/25/95 LIGO Beam Tube Review Board Meeting with Agenda
L950814-00-M	Graham H. Fernald, Esq.	10/24/95 LIGO at Hanford - Wahsington Taxes
L950818-00-M	Beth Moore	10/19/95 Transmittal of MOU's
L950819-00-M	Beth Moore	10/19/95 Transmittal of MOU
L950820-00-P	Rita Torres	10/26/95 Subcontracts Need LIGO Numbers and Other Data
L950821-00-E	Dennis Coyne	10/27/95 Caltech-Parsons Technical Interchange Meeting Minutes for 12 October 1995
L950822-00-M	Sandy Pool	10/26/95 Performance Bond
L950823-00-M	Gary Sanders	10/26/95 Relocation Expenses for Rolf Bork
L950826-00-M	Jerry Burk	10/26/95 Relocation of Dr. Gary Sanders - Residence Disposal Assistance
L950827-00-P		10/25/95 1996 Indirect Cost Rates and 1997 and 1998 Forward Pricing Rates for Indirect Cost
L950828-00-M	Graham H. Fernald, Esq.	10/27/95 Draft letter to Department of Revenue, State of Washington Regarding Tax Issues
	Steve Robinson	10/26/95 LIGO Project - Enterprise Zone
L950830-00-V	Mike Zucker	10/30/95 Rrelocation of Ports "D" on Ham Chamber Design
L950831-00-P	Syd Meshkov	10/30/95 Project Control Meeting Minutes for 25 October 1995
L950832-0-O	Ed Jasnow	4/16/96 Commercial Power Contract, LIGO Site, Livingston, LA - Reference P.O. PC197005 With DEMCO For Electric Power to the Livingston Site.
L950832-00-M	Eleanor Griffin	10/30/95 Request for Evidence of Insurance
L950834-00-P	Phil Lindquist	10/30/95 LIGO Change Control Board Meeting Minutes of 25 October 1995
L950835-00-V	John Worden	10/31/95 More Vacuum Equipment Agreements and Commitments with PSI
L950836-00-P	Phil Lindquist	11/1/95 Document Control Center (DCC) Status
L950837-00-P	Linda Turner	11/1/95 Document Control Center (DCC) Presentation Notes for Project Control Meeting
	Larry Jones	11/2/95 Beam Tube Equipment Qualification Test
L950839-00-P	Phil Lindquist	11/17/95 LIGO Project Monthly Progress Report, October 1995
L950841-00-E	Albert Lazzarini	11/8/95 LIGO Project Policy for Supporting Home Computing by LIGO Staff
L950842-00-V	John Worden	11/3/95 Approval of Vacuum Equipment PDR, CDRL 01 of PSI Contract
L950843-00-A	I. Baldon	11/3/95 Lost Receipts - David Barker and Phil L indquist
L950843-02-A	I. Baldon	11/9/95 Lost Receipts - Phil Lindquist Relocation
L950844-00-P	Syd Meshkov	11/6/95 Project Control Meeting Minutes for 1 November 1995
L950845-00-A	S. S. Hecker	10/24/95 Responsibilities, Structure, and Operations of the External Advirsory Committee (EAC) for Los Alamos National Laboratory
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
L950846-00-D	Robbie Vogt	11/6/95 Alignment Sensing and Control (ASC) Optical Level (Opt Lev) Component and Optical Level Controls (CDS) Design Requirement Review (DRR)
L950847-00-D	Bill Althouse	11/6/95 ASC Design Requirements Review Report
L950848-00-D	Bill Althouse	11/6/95 Prestabilized Laser (PSL) Preliminary Design Review Report
L950849-00-E	Albert Lazzarini	11/3/95 Transmittal of Final Draft Vacuum Equipment (VE) - Civil Construction (CC) Interface Control Document (ICD)
L950849-00-E	Dennis Coyne	11/3/95 Transmittal of Final Draft Vacuum Equipment (VE) - Civil Construction (CC) Interface Control Document (ICD)
L950851-00-F	Rick Savage	11/7/95 Participation in LIGO Facilities Performance Predictions Preview Meeting, 26 October 1995
L950852-00-F	Rick Savage	11/7/95 Participation in LIGO Facilities Performance Predictions Preview Meeting, 26 October 1995
L950853-00-F	Rick Savage	11/7/95 Flow of Natural Gas through the Transco Pipelines
L950854-00-F	Rick Savage	11/7/95 HD5 Propane Flow through the Enterprise Pipeline
L950855-00-D	Bill Althouse	11/7/95 ASC OPT LEV and OPT LEV Controls DRR
L950856-00-A	Beth Moore	11/14/95 Administrative Confidential
L950857-00-A	Gary Sanders	11/9/95 Return of Questionnaire
L950859-00-A	Beth Moore	11/14/95 Administrative Confidential
L950861-00-R	Stan Whitcomb	11/10/95 Acknowledgement of Application
L950862-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950863-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950864-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950865-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950866-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950867-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950868-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950869-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950872-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950873-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950874-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950876-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950877-00-A	Stan Whitcomb	11/20/95 Acknowledgement of Application
L950878-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950879-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950880-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950881-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
L950882-00-R	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/10/95 Acknowledgment of Application
	Stan Whitcomb	11/20/95 Acknowledgement of Application
	Cindy Akutagawa	11/13/95 Allocation of Actual Costs - Detail Report, October 1995
L950889-00-P	Syd Meshkov	11/13/95 Project Control Meeting Minutes for 8 November 1995
L950890-00-D	Robbie Vogt	11/13/95PSL PDR Action Items
L950891-00-F	Rick Savage	11/14/95 Flow Activity in the Capline 40" Crude Oil Pipeline
L950892-00-E	William Young	11/13/95 Grounding and Shielding Meeting Minutes for 7 November 1995
L950893-00-U	John Worden	11/14/95 LVEA Floor Elevation as Required by PSI
	Dennis Coyne	11/27/95 Distribution of Beam Tube (BT) - Civil Construction (CC) Interface Control Document (ICD), Initial Release and Final Draft
L950894-00-E	Albert Lazzarini	11/27/95 Distribution of Beam Tube (BT) - Civil Construction (CC) Interface Control Document (ICD), Initial Release and Final Draft
	Phil Lindquist	11/14/95 LIGO Change Control Board Meeting, 16 November 1995
	Gary Sanders	4/24/96 Administrative Confidential
L950898-00-V	John Worden	11/16/95 Vacuum Loads on the LVEA Slab
	Beth Moore	11/15/95 Caltech Identification Card for Contracted Personnel - William Young, Craig Conley, Linda Turner
2000000 00 A	Gary Sanders	4/24/96 Administrative Confidential
1 950902-00-∆	TOUR Y CURRENTS	11/17/95LIGO Change Control Board (CCB) Meeting Minutes, 16 November 1995
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L950903-00-P	Phil Lindquist	
L950903-00-P L950905-00-A	Phil Lindquist Stan Whitcomb	11/20/95 Acknowledgement of Application
L950903-00-P L950905-00-A L950906-00-P	Phil Lindquist Stan Whitcomb Syd Meshkov	11/20/95 Acknowledgement of Application 11/20/95 Project Control Meeting Minutes for 15 November 1995
L950903-00-P L950905-00-A L950906-00-P L950907-00-V	Phil Lindquist Stan Whitcomb Syd Meshkov Mike Zucker	11/20/95 Acknowledgement of Application 11/20/95 Project Control Meeting Minutes for 15 November 1995 10/31/95 PSI Needs List Items 1 and 3 - Site Soil and Vibration Data
L950903-00-P L950905-00-A L950906-00-P L950907-00-V L950908-00-R	Phil Lindquist Stan Whitcomb Syd Meshkov	11/20/95 Acknowledgement of Application 11/20/95 Project Control Meeting Minutes for 15 November 1995

Document No		ContractorDocNo	Doc Dt Full Title
L950910-00-R	Stan Whitcomb		11/22/95 Acknowledgement of Application
L950911-00-D	Robbie Vogt		11/21/95 ASC (System) DRR Action Items
L950912-00-P	Phil Lindquist		11/21/95 LIGO Change Control Board (CCB) Meeting Minutes, 21 November 1995
L950913-00-P	Richard Fischer		11/21/95 Federal Project Designation for the LIGO Project
L950915-00-V	William Tyler		11/20/95 Quality Assurance (QA) Review/Comments for PSI CDRL 02
	Ben Lucas		11/22/95PSI Project Management Plan Review Comments - CDRL 02
	Bill Althouse		11/22/95 Viewgraphs from ASC Opt Lev Review
	Robbie Vogt		11/30/95 1995 Annual Report Input - Detector
	Karen Sandberg		11/22/95 Award of Grant to CIT for Tufts University
L950920-00-M			4/24/96 Administrative Confidential
L950920-00-M	*		11/27/95 Solicitation for Use for Electrical Services in Livingston
			11/27/95 Transmittal of Beam Tube Modules - Fabrication and Installation Contract PC181520 between CBI and CIT
L950922-00-B	· · · · · · · · · · · · · · · · · · ·		
L950923-03-M	•		12/6/95 LIGO Organizational Changes
L950923-03-M	·		12/6/95 LIGO Organizational Changes
L950924-00-A	•		4/24/96 Administrative Confidential
L950926-00-A			12/4/95 Acknowledgement of Application
L950927-00-A			12/4/95 Acknowledgement of Application
	John Worden		11/29/95 MORE Vacuum Equipment Agreements and Commitments with PSI
L950928-00-V	Mike Zucker	V049-5-001/003	11/29/95 Vacuum Equipment Corner Station Beam Manifolds
L950928-00-V	John Worden	V049-5-001/003	11/29/95 Vacuum Equipment Corner Station Beam Manifolds
L950931-00-M	John Schlue		12/4/95 Revised JPL Task Plan for the Safety, Reliability and Quality Assurance Support for the Caltech LIGO Project
L950933-00-M	Gary Sanders		12/1/95 Request for Letter Proposal
L950934-00-V	John Worden		11/3/95 Alignment Mounuments as Requested by PSI
L950935-00-V	John Worden		12/1/95 More: Vacuum Equipment Agreements and Commitments with PSI
L950936-00-P	Phil Lindquist		12/4/95 LIGO Change Control Board Meeting for 4 December 1995
L950937-00-P	Phil Lindquist		12/4/95 DCC Database Presentation/Demonstration and Comments on ACCESS-95
-	Larry Jones		12/4/95 Equipment Qualification Test Procedure
	Syd Meshkov		12/4/95 Project Control Meeting Minutes for 29 November 1995
	Albert Lazzarini		12/4/95 LIGO Requirements for GPS Monuments at Washington
	Otto Matherny		12/4/95 Transmittal of Signed PUD Contract (LIGO-C951271-00-O)
L950942-00-A	I. Baldon		12/5/95 Registrations for Dennis Coyne for Aerospace Applications Conference, 3-10 February 1995
	Stan Whitcomb		12/6/95 Acknowledgement of Application
	Stan Whitcomb		12/5/95 Acknowledgement of Application
	Stan Whitcomb		12/6/95 Acknowledgement of Application
L950946-00-A			12/6/95 Acknowledgement of Application
L950947-00-M			12/5/95 Transmittal of Safety Plan
L950948-00-M			12/5/95 Transmittal of Safety Plan
	Mark Coles		12/4/95 Procedure for Facilities Group Approval of TDM's
L950950-00-P	'		12/5/95 LIGO Change Control Baord (CCB) Meeting Minutes - 4 December 1995
	Albert Lazzarini		12/5/95 Facility Monitoring and Control System (FMCS) Options
L950953-00-O	_		12/5/95 Request to Review W.H. Parker's Report "Summary of Electromagnetic Compatibility Concerns and Topics Discussed to Date"
L950954-01-M	*		12/5/95 Testimony for Application for Immigration of Dr. Yuri Alexeevich Kamyshkov
L950955-00-A			12/7/95 Acknowledgement of Application
L950956-00-A	Stan Whitcomb		12/7/95 Acknowledgement of Application
L950962-00-P	Cindy Akutagawa		12/8/95 LIGO Project Signature Authority - Update
L950963-00-A	Stan Whitcomb		12/11/95 Acknowledgement of Application
L950964-00-A	Stan Whitcomb		12/11/95 Acknowledgement of Application
	John Worden		12/8/95 PSI Proposal for Large Gate Valve Weld Stubs (Change Order Request 7)
	Syd Meshkov		12/11/95 Project Control Meeting Minutes for December 6, 1995
	Rai Weiss		11/21/95XPS results from New Slurry Frit and Flycut Stainless Steel
	Graham H. Fernald, Esq.	1	12/14/95 Draft Letter regarding Washington Taxes on the LIGO Project
L950970-00-M	-	+	12/6/95 Definition of Parameters for Additional Legal Counsel
	Keshra Sangwal		12/18/95 Recommendation letter for Dr. Andri Audrukhiv
L950971-00-K			11/28/95 Recommendation letter for Yuriy Krasner
L950972-00-A L950973-00-O	Pick Savago		12/20/95 Review of Lightning Protection Recommendations
	Kathy Sullivan		12/22/95 LIGO Ocular Examination at Huntington Memorial Hospital's Occupational Health Center
L950975-00-M	Арпі вигке		12/19/95 Press Release re Contract Award to CBI to Supply LIGO Beam Tube Modules

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		Lew Allen	
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	L950981-00-P	Linda Turner	7/31/95 DCC Office Needs/Problems
		Beth Moore	8/18/95 DCC Office Changes
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1998 1998 1999	L950984-00-E	David Shoemaker	11/27/95 Interface Sign-Off Sheet
1958/1970 Ann Shaky	L950985-00-P	Phil Lindquist	11/22/95 Document Control Center Issues
	L950986-00-P	Gary Sanders	10/17/95 Tracking Significant E-Mail and Phone Conversations with Contractors
	L950987-00-O	Alan Rohay	10/9/95 Schedule of Milestone and Deliverables for BNW Proposal #24827
	L950988-00-M	Ed Baker	10/3/95 Receipt of Advance Notification
	L950989-00-O	Linda Porter	10/30/95 Advertisement for Grading and Placing Beam Tube Slab in Hanford
	L950990-00-M	S. Smart	10/31/95 Sale Tax Rate - Livingston
	L950991-00-M		9/26/95 Charter of the LIGO Research Community
	L950992-00-O	Jan Szwed	10/2/95 Stranco References
	L950993-00-O	Mark Coles	9/18/85 Agenda for Facilities Group Meeting of 18 September 1995
1600986700 M. Torse	L950994-00-B	Larry Jones	6/21/95 Stainless Steel Sheet Finishes
1509099-00 M. Torres	L950995-00-M	Joel E. Tohline	6/30/95 Proposal for LIGO Project Support - Livingston
15059960-V Mar Zuser	L950996-00-M	Robert L. Byer	8/16/95 Suggested Revisions to MOU with Stanford University
1505000-00 Mar Wase 111-085-000 Calculations 111-085-000 Calculatio	L950997-00-P	M. Torres	12/8/95 Subcontract with Hytec
Set 100-000 Nat	L950998-00-A	Barry Barish	11/30/95 Letter of Invitation for Caltech Visit
1271-1985 Nex Ahramovord 1271-1985 Lacet Nort North Expert Volt LIGO 9-11 October 1985 15510-02-00 N Thomas Kik	L950999-00-V	Mike Zucker	11/16/95 Load Calculations
	L951000-00-D	Rai Weiss	11/14/95 Request for Action (RFA) - An Integration Plan
IESTORO-ON Next Savage	L951001-00-D	Alex Abramovici	12/13/95 Location for IR Laser Work
	L951002-00-M	Thomas Kirk	11/21/95 Transmittal of Final Report of the LIGO Review Committee for the NSF Review of LIGO, 9-11 October 1995
Institution	L951004-00-O	Rick Savage	12/18/95 Transmittal of Vibration and Acoustic Requirements to Parsons
	L951005-00-M	Lew Allen	12/14/95 LIGO Oversight Committee Meeting for 19 December 1995
1214/1954/chrowtogeneral of Application 1214/1954/chrowtogeneral 1214/1954/chrowt	L951005-00-O	Rick Savage	12/14/95 Vibration and Acoustic Requirements for the Laser and Vacuum Equipment Area (LVEA) and Vacuum Equipment Areas (VEA) of the LIGO Facilities
	L951006-00-R	Stan Whitcomb	12/14/95 Visit Scheduling
LaSt 101-00-04 July Morden	L951007-00-R	Stan Whitcomb	12/14/95 Acknowledgement of Application
L951014-00-M	L951009-00-P	Syd Meshkov	12/18/95 Project Control Meeting Minutes for 13 December 1995
	L951010-00-V	John Worden	
1951016-00-P Cindy Akutagawa	L951014-00-M	Cindy Akutagawa	12/19/95 Allocation of Actual Costs - Detail Report, November 1995
1951017-00-M	L951015-00-E	Albert Lazzarini	12/20/95 Revised Vibration and Acoustic Requirements for the LIGO Facilities
12/21/95 Agreements and Commitments with PSI 12/21/95 Agreements and	L951016-00-P	Cindy Akutagawa	12/21/95 Labor Hour Reports, November 1995
US1019-00-M	L951017-00-M	Beth Moore	12/21/95 Transmittal of MOU between the Michigan Gravity Wave Group in the Department of Physics of the University of Michigan and LIGO
E951022-00-M Richard Fischer 12/19/95LIGO Information and Economic Impacts on the Hanford Area	L951018-00-V	John Worden	
L951022-00-P Syd Meshkov 12/27/95 Project Control Meeting Minutes for 20 December 1995 L951023-00-A Stan Whitcomb 12/28/95 Incidence Positions L951024-00-A Stan Whitcomb 12/28/95 Upcoming Interviews for LIGO Science Positions L951024-00-A Craham H. Fernald, Esq. 12/15/95 Research and Development Credit Statute for Hanford L951027-00-D Rail Weiss 11/14/95 Request for Actions (RFA's) L951027-00-E William Young 12/27/95 AUTOCAD Layer Drawings L951029-00-V Steve Small 11/28/95 Quotation L951039-00-P Steve Small 11/28/95 Quotation L951031-00-A Beth Moore 10/31/95 Reimbursement for Albert Lazzarin's Travel L951033-00-P Michael Taylor 11/28/95 Upc Albert Solutions L951033-00-P Michael Taylor 11/28/95 JPL Reliability Task Order for LIGO System Engineering and Integration L951033-00-A I. Baldon 12/31/951995 Travel Expense Reports - Richard Abbott L951040-00-A I. Baldon 12/31/951995 Travel Expense Reports - Fired Asiri	L951019-00-M	Richard Fischer	12/19/95 LIGO Project Application for High Technology Tax Deferral
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L951051-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Richard Fischer	
L951052-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Mike Gamble	
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L951064-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Otto Matherny, RELOCATION	
L951065-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Syd Meshkov	
L951066-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - William Miller	
L951072-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Seiji Kawamura	
L951073-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - William Kells	
L951074-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Irena Petrac	
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L951076-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Paul Reardon	
L951077-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Martin Regehr	
L951078-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Tony Riewe	
L951079-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Parke Rohrer	
L951080-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Gary Sanders	
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L951083-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Allen Sibley	
L951084-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Lisa Sievers	
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L951088-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Kip Thorne	
L951089-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Bill Tyler	
L951090-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Steven Vass	
L951091-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Stan Whitcomb	
L951092-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - John Worden	
L951093-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Hiroaki Yamamoto	
L951094-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Visitors, General	
L951095-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Visitors, Baffle Conference	
L951096-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Pre-Program Advisory Committee (PPAC), 8-9 September 1995	
L951097-00-A I. Baldon 12/31/95 1995 Travel Expense Reports - Visitors, Job Candidates	
L951098-00-M Earl Friese 10/23/95 Transmittal of Progress Report and Continuation Proposal for Review and Approval	
L951099-00-O 12/13/95 Distribution Interruption File Inquiry, Baton Rouge Division, from 1 January 1990 through 31 December 1995	
L951100-00-O Jim E. Curtis 8/14/95 NEPA Review of Ligo Power Line	
L951101-00-P 12/31/95 Project Controls Chronological File - 1995	
L951102-00-M Gary Sanders 10/17/95 Tracking Significant E-mail and Phone Conversations with Contractors	
L951103-00-M Linda Turner 10/17/95 Document Tracking	

Document No	Full Name (ContractorDocNo Doc Dt Full Title
L951104-00-O	Gary Miller	8/21/95 Draft- Sorrento to Dixie 6-Inch Pipeline - Pipeline Adjustment Agreement
L951105-00-O	J. Krause	6/15/95 Shell Pipeline Adjustment Agreement
L951108-00-M	Robert L. Byer	12/20/95 Stanford Advanced Gravitational-Wave Laser Interferometer Program - GALILEO
L951109-00-M	Dr. David Berley	12/18/95 Upcoming Review of the MIT Component of the LIGO Project, 9-11 January 1996
L951122-00-A	California Institute of Tech.	12/31/95 Fax Activity Reports for LIGO - 1995
L951123-00-A	California Institute of Tech.	7/31/95 Fax Transmission Reports for LIGO - July 1995
L951124-00-A	California Institute of Tech.	8/31/95 Fax Transmission Reports for LIGO - August 1995
L951125-00-A	California Institute of Tech.	9/30/95 Fax Transmission Reports for LIGO - September 1995
L951126-00-A	California Institute of Tech.	10/31/95 Fax Transmission Reports for LIGO - October 1995
L951127-00-A	California Institute of Tech.	11/30/95 Fax Transmission Reports for LIGO - November 1995
L951128-00-A	California Institute of Tech.	12/31/95 Fax Transmission Reports for LIGO - December 1995
L951129-00-E	Bob Breault	11/16/95 Flame-Sprayed Aluminum
	MIT LIGO Personnal	6/14/95 Background Material for the NSF Review of the MIT Component of the LIGO Project, 14-15 June 1995
L951131-00-M	Robert L. Byer	7/31/95 The Stanford 10 Meter Null Area Sagnac Interferometer Proposal - Stanford University
L951132-00-M	Earl Friese	7/11/95 Louisiana Roadway Lease Agreement
L951133-00-M	Earl Friese	7/2/95 Transmittal of MOU Between ACIGA and LIGO
L951134-00-M	Earl Friese	6/21/95 Transmittal of Supplement Proposal for NSF Review
L951135-00-M	Fred Raab	6/28/95 Acceptance Letter for Position as Head of Hanford LIGO Laboratory
L951136-00-M	Earl Friese	6/19/95 Additional Information on Request for Approval for Proposed Subcontract to Hughes Danbury Optical Systems
L951137-00-M	Dr. David Berley	6/2/95 Information for Reviewers at the MIT Component Technical Review
L951138-00-M	Karen Sandberg	6/5/95 NSF Approval for Subcontract for LIGO Louisiana Site Clearing and Grading
L951139-00-M	Earl Friese	7/26/95 Review and Approval of Proposed FY95 MIT Work and Cost Plans
L951140-00-M	Earl Friese	7/26/95 Approval of Change Order #3 for Subcontract with Fischer Project Controls
L951141-00-A	I. Baldon	12/31/95 1995 Travel Expense Reports - Alex Abramovici
L951142-00-A	I. Baldon	12/31/95 1995 Travel Expense Reports - Vladimir Braginsky
L951143-00-A	I. Baldon	12/31/95 1995 Travel Expense Reports - Doug Jungwirth
L951144-00-A	I. Baldon	12/31/95 1995 Travel Expense Reports - Gene Giberson
L951145-00-M	Ben Lucas	11/22/95 LIGO Project Safety Plan
L951146-00-O	Mark Coles	11/21/95 Commendation for LIGO Building Preliminary Design Review on 9 November 1995
L952000-00-A	David Shoemaker	1/31/95 FFT Optics Modeling Development, DRAFT Paper
L952001-00-A	Yaron Hefetz	2/7/95 Progress Report for Interferometer Alignment R&D - January 1995
L952002-00-U	David Shoemaker	2/3/95 Preliminary MIT Budget Report for December 1994
L952003-00-D	Peter Fritschel	2/6/95 Progress Report for the Phase Noise Interferometer (PNI) - January 1995
L952004-00-U	David Shoemaker	2/16/95 Change to Alignment Sensing/Control Task Statement of Work for FY 95
L952005-00-A	David Shoemaker	2/23/95 Transmittal of Draft Paper on the Seismic Isolation Development
L952006-00-U	Peter Fritschel	2/16/95 Change to Length Sensing/Control task Statement of Work for FY 95
L952008-00-U	David Shoemaker	3/9/95 Proposal for MIT LIGO Participation - FY 1995 (Tasks and Responsibilities MIT LIGO Group will take on)
L952009-00-U	Peter Fritschel	3/8/95 Progress Report for the Phase Noise Interferometer (PNI) - February 1995
L952010-00-U		
L952011-00-R	Yaron Hefetz	3/8/95 Progress Report for Interferometer Alignment R&D - February 1995
L952012-00-D	Peter Fritschel	3/16/95 Monthly Report on the LSC Task, WBS 1.2.1.1.7 - February 1995
L952013-00-M		
	David Shoemaker	2/15/95 Statement of Work for FY 95 Detector Alignment Activities, dated 15 February 1995
	David Shoemaker Peter Fritschel	2/15/95 Statement of Work for FY 95 Detector Alignment Activities, dated 15 February 1995 3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem
L952014-00-U L952015-00-U		
L952014-00-U L952015-00-U L952016-00-A	Peter Fritschel	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A	Peter Fritschel David Shoemaker David Shoemaker David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A	Peter Fritschel David Shoemaker David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A L952019-00-A	Peter Fritschel David Shoemaker David Shoemaker David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A L952019-00-A L952020-00-A	Peter Fritschel David Shoemaker David Shoemaker David Shoemaker David Shoemaker David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A L952019-00-A L952020-00-A	Peter Fritschel David Shoemaker David Shoemaker David Shoemaker David Shoemaker David Shoemaker David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952018-00-A L952019-00-A L952020-00-A L952021-00-A	Peter Fritschel David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application
L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952019-00-A L952020-00-A L952022-00-A L952022-00-A	Peter Fritschel David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application
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L952014-00-U L952015-00-U L952016-00-A L952017-00-A L952019-00-A L952021-00-A L952022-00-A L952022-00-A L952025-00-A L952026-00-A L952027-00-A	Peter Fritschel David Shoemaker	3/23/95 Statement of Work (SOW) for FY95 Activities on the Detector Length Sensing/Control Subsystem 5/3/95 Purchase Requisition for Support to the MIT LIGO Effort 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application 4/5/95 Acknowledgement of Application 3/27/95 Acknowledgement of Application

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L952030-00-A	David Shoemaker	3/27/95 Acknowledgement of Application	
L952031-00-A	David Shoemaker	3/27/95 Acknowledgement of Application	
L952032-00-A	David Shoemaker	3/27/95 Acknowledgement of Application	
L952033-00-A	David Shoemaker	3/27/95 Acknowledgement of Application	
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L952058-00-A	David Shoemaker	3/27/95 Acknowledgement of Application	
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	David Shoemaker	3/27/95 Acknowledgement of Application
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L952092-00-U	David Shoemaker	3/21/30 Acknowledgement of Application
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L952104-00-U	David Shoemaker	3/21/33 Acknowledgement of Application
	Peter Fritschel	4/7/95 Progress Report for the Phase Noise Interferometer (PNI) - March 1995
	Nergis Mavalvala	4/10/95 Progress Report for Interferometer Alignment R&D - March 1995
	David Shoemaker	4/11/95 Progress Report for the ASC (Detector Alignment) Task, WBS 1.2.1.1.6 - March 1995
L952108-00-U	David Shoemaker	4711/301 Togress Report for the AGC (Detector Alignment) Task, WDS 1.2.111.0 - Wardt 1993
	David Shoemaker	4/27/95 Acknowledgement of Application
L952110-00-U	David Officernanci	4/21/30/Ackitowicagement of Application
L952111-00-U		
L952112-00-U		
L952113-00-M	Rai Waiss	6/6/95 Transmittal of Background Materials for MIT Review
L952114-00-M		6/6/95 Transmittal of Background Materials for MIT Review
L952115-00-M		6/6/95 Transmittal of Background Materials for MIT Review
	Rai Weiss	6/6/95 Transmittal of Background Materials for MIT Review
L952117-00-M		6/6/95 Transmittal of Background Materials for MIT Review
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L952121-00-M		6/6/95 Transmittal of Background Materials for MIT Review
L952122-00-M		6/6/95 Transmittal of Background Materials for MIT Review
L960000-00-U	Trai Troico	12/30/96
	Syd Meshkov	1/2/96 Project Control Meeting Minutes for 27 December 1995
	Bernice Durand	1/2/96 Letter of Recommendation for Dennis Crossley
	Gary Sanders	4/24/96 Administrative Confidential
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgment of Application
	Stan Whitcomb	1/8/96 Acknowledgment of Application
	Stan Whitcomb	1/8/96 Acknowledgment of Application
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	Stan Whitcomb	1/8/96 Acknowledgment of Application
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Mark Coles	1/4/96 Acknowledgement of Approval by LSU for Architecture Plans of LIGO Site
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgement of Application
	Stan Whitcomb	1/8/96 Acknowledgment of Application
	Albert Lazzarini	1/4/96 Trip Report - SLAC Visit on 20 December 1995
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	Fred Raab	1/4/96 Trip Report - SLAC Visit on 20 December 1995
	Mark Coles	1/4/96 Trip Report - SLAC Visit on 20 December 1995
	Gerry Stapfer	1/4/96 Trip Report - SLAC Visit on 20 December 1995
	Syd Meshkov	1/5/96 Project Control Meeting Minutes for 3 January 1996
	Gerry Stapfer	1/5/96 Beam Tube Foundation Strategy
L960022-00-M	Lew Allen	1/5/96 Report of LIGO Oversight Committee Meeting of 19 December 1995
	Linda Turner	1/5/96 Distribution of LIGO-C950572-02-O
L960024-00-P	Phil Lindquist	1/6/96 1995 Annual Report - DRAFT
L960025-00-R	Stan Whitcomb	1/9/96 Prestabilized Laser for Professor Drever
L960027-00-A	Stan Whitcomb	1/10/96 Acknowledgement of Application
L960028-00-A	Stan Whitcomb	1/10/96 Acknowledgement of Application
L960029-00-A	Stan Whitcomb	1/10/96 Acknowledgement of Application
L960030-00-A	Stan Whitcomb	1/12/96 Acknowledgement of Invitation to Meeting on Gravitational Waves
L960032-00-E	Dennis Coyne	11/27/95 DRAFT Release of Beam Tube (BT) - Vacuum Equipment (VE) Interface Control Document (ICD)
L960032-00-E	Albert Lazzarini	11/27/95 DRAFT Release of Beam Tube (BT) - Vacuum Equipment (VE) Interface Control Document (ICD)
L960033-00-A	Stan Whitcomb	12/28/95 Applications for LIGO Science Positions
L960034-00-E	Albert Lazzarini	1/9/96 Meeting on Baffle Design Decision
L960036-00-P	Hiro Yamamoto	1/12/96 CY 1996 Allocations for Deltas and TREX Accounts for Group CIT47
L960037-00-P	Richard Fischer	1/11/96 Project Control Meeting Minutes for 10 January 1996
L960038-00-V	John Worden	1/10/96 Lease or Buy LN Tanks
L960039-00-E	Dennis Coyne	1/10/96 Release of the Vacuum Equipment (VE) - Civil Construction (CC) Interface Control Document (ICD), Version 03
L960039-00-E	Albert Lazzarini	1/10/96 Release of the Vacuum Equipment (VE) - Civil Construction (CC) Interface Control Document (ICD), Version 03
L960040-00-B	Larry Jones	1/11/96 Beam Tube Contract First Monthly Status Review (plus Recent Developments)
L960041-00-P	Phil Lindquist	1/29/96 Change Request CR-960001, Facilities Monitoring and Control System
L960042-00-V	John Worden	1/12/96 Meeting Held Friday, 12 January 1996, to Resolve Several Outstanding Vacuum Equipment Issues
L960043-00-A	Stan Whitcomb	1/16/96 Acknowledgement of Application
L960044-00-E	Betty Behnke	1/15/96 Distribution of Viewgraphs from Science and Integration Meeting of 11-12 December 1995
L960045-00-D	Lisa Sievers	1/16/96 Transmittal of Seismic Report (LIGO-C950572-02-D)
L960046-00-P	Cindy Akutagawa	1/16/96 Labor Hour Reports - December 1995
	Cindy Akutagawa Rick Savage	1/16/96 Labor Hour Reports - December 1995 1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE)
L960047-00-O	, , , , , , , , , , , , , , , , , , ,	'
L960047-00-O L960048-00-P	Rick Savage	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE)
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L960047-00-O L960048-00-P L960048-00-P	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996
L960047-00-O L960048-00-P L960048-00-P L960049-00-A	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application
L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb
L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960052-00-M	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment
L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960052-00-M L960055-00-P L960057-00-M	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708
L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960052-00-M L960055-00-P L960057-00-M	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist Gary Sanders Seiji Kawamura	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708 1/24/96 Supporting Documentation for Request for Designation of the LIGO Project as an Economic Development Zone
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L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960055-00-P L960057-00-M L960058-00-D L960061-00-D L960062-00-A	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist Gary Sanders Seiji Kawamura Mark Coles Garilynn Billingsley Beth Moore	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708 1/24/96 Supporting Documentation for Request for Designation of the LIGO Project as an Economic Development Zone 1/24/96 Publication Request 1/25/96 Information about the LIGO Expansion Joints from Hyspan 1/25/96 CSIRO Metrology Review Report, 15-16 January 1996 1/26/96 Administrative Confidential
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L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960055-00-P L960057-00-M L960058-00-D L960059-00-O L960061-00-D L960063-00-F L960064-00-A L960065-00-V	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist Gary Sanders Seiji Kawamura Mark Coles Garilynn Billingsley Beth Moore Bill Althouse	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/12/96 Loyny Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment 1/22/96 Available Laser Equipment 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708 1/24/96 Supporting Documentation for Request for Designation of the LIGO Project as an Economic Development Zone 1/24/96 [Publication Request 1/25/96 Information about the LIGO Expansion Joints from Hyspan 1/25/96 CSIRO Metrology Review Report, 15-16 January 1996 1/26/96 Administrative Confidential 1/23/96 LIGO Facilities Schedule Review - 19 & 22 January 1996 12/19/95 Rejection of Submitted Manuscript
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L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960055-00-P L960057-00-M L960058-00-D L960061-00-D L960062-00-A L960063-00-F L960066-00-P L960067-00-M L960068-00-B	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist Gary Sanders Seiji Kawamura Mark Coles Garilynn Billingsley Beth Moore Bill Althouse John Worden Phil Lindquist Stan Whitcomb	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17. January 1996 1/19/96 Project Control Meeting Minutes for 17. January 1996 1/19/96 Acknowledgement of Application 1/24/96 Luly Duty Exemption for Stan Whitcomb 1/22/96 Available Laser Equipment 1/22/96 Available Laser Equipment 1/22/96 Available Laser Equipment 1/22/96 Augustion of Telos Information Systems, P.O. PC157708 1/24/96 Supporting Documentation for Request for Designation of the LIGO Project as an Economic Development Zone 1/24/96 Publication Request 1/25/96 Information about the LIGO Expansion Joints from Hyspan 1/25/96 CSIRO Metrology Review Report, 15-16 January 1996 1/26/96 Administrative Confidential 1/23/96 LiGO Facilities Schedule Review · 19 & 22 January 1996 1/21/96 Rejection of Submitted Manuscript 1/12/96 Contract Changes with PSI 1/22/96 LiGO Change Control Board (CCB) Meeting Minutes for 26 January 1996 1/28/96 Annual Progress Report for NSF Grant PHY95-03642
L960047-00-O L960048-00-P L960048-00-P L960049-00-A L960051-00-A L960055-00-P L960057-00-M L960058-00-D L960061-00-D L960063-00-F L960064-00-A L960065-00-V L960066-00-P L960068-00-B L960068-00-B L960071-00-E	Rick Savage Barry Barish Albert Lazzarini Stan Whitcomb Gary Sanders Barry Barish Phil Lindquist Gary Sanders Seiji Kawamura Mark Coles Garilynn Billingsley Beth Moore Bill Althouse John Worden Phil Lindquist Stan Whitcomb Larry Jones	1/16/96 Lightning Protection for the Beam Tube Enclosure (BTE) 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Project Control Meeting Minutes for 17 January 1996 1/19/96 Acknowledgement of Application 1/24/96 Jury Duty Exemption for Stan Whitcomb 1/24/96 Available Laser Equipment 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708 1/23/96 Invoice #300161 for Telos Information Systems, P.O. PC157708 1/24/96 Supporting Documentation for Request for Designation of the LIGO Project as an Economic Development Zone 1/24/96 Publication Request 1/25/96 Information about the LIGO Expansion Joints from Hyspan 1/25/96 CSIRO Metrology Review Report, 15-16 January 1996 1/26/96 Administrative Confidential 1/23/96 LIGO Facilities Schedule Review - 19 & 22 January 1996 1/21/995 Rejection of Submitted Manuscript 1/12/96 Contract Changes with PSI 1/29/96 Contract Changes with PSI 1/29/96 Contract Changes with PSI 1/29/96 Contract Changes on the Contract Changes with PSI 1/29/96 Contract Change For NSF Grant PHY95-03642 1/30/96 Plan for a Beam Tube and Enclosure Model at the Caltech Campus
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
L960082-00-M	_	1/10/96 Transmittal of Signed MOU between Galileo and LIGO
	Rita Torres	1/31/96 List of LIGO Contracts
	Stan Whitcomb	2/2/96 CDS Control and Monitoring DRR 22 February 1996
L960085-00-D	Stan Whitcomb	2/2/96 Design Requirements Review (DRR) for the LIGO Core Optics Components (COC) Subsystem, 23 February 1996
L960086-00-F	Mark Coles	1/31/96 Trip Report - LIGO Livingston Site and LSU
L960088-00-P	Phil Lindquist	2/1/96 Document Contol Center (DCC) Database Development
L960089-00-A	Stan Whitcomb	2/2/96 Acknowledgement of Application
L960090-00-A	Stan Whitcomb	2/2/96 Acknowledgement of Application
L960091-00-P	Syd Meshkov	2/5/96 Project Control Meeting Minutes for 31 January 1996
L960092-00-P	Bill Althouse	2/6/96 LIGO Detector Schedule Review, 1 February 1996
L960093-00-V	John Worden	2/6/96 PSI Contract Changes
L960094-00-V	John Worden	2/6/96 Agreements and Commitments with PSI
L960095-00-P	Phil Lindquist	2/6/96 LIGO Change Control Board Meeting, 9 February 1996
L960096-00-P	Phil Lindquist	2/7/96 LIGO Project Signature Authority - Update
L960097-00-O	Rick Savage	2/6/96 Transmittal of Alan Rohay's Final Report of Measurements at the Hanford Site and Preliminary Measurements Made at the Livingston Site
L960099-00-F	April Burke	12/19/95 Press Release for Contract Award to CBI
L960100-00-A	Stan Whitcomb	2/8/96 Applications for LIGO Science Positions
L960101-00-P	Phil Lindquist	10/5/95 Labor Changes for Selected LIGO Personnel
L960102-00-A	Stan Whitcomb	2/13/96 Acknowledgement of Application
L960103-00-P	Syd Meshkov	2/13/96 Project Control Meeting Minutes for 7 February 1996
L960104-00-V	John Worden	2/9/96 February Monthly Status Meetings - PSI and CBI
L960104-00-V	Larry Jones	2/9/96 February Monthly Status Meetings - PSI and CBI
L960105-00-A	Stan Whitcomb	2/13/96 Administrative Confidential
L960105-01-A	Stan Whitcomb	2/28/96 Search/Affirmative Action Report for LIGO Scientific Staff Positions
L960105-02-A	Stan Whitcomb	3/14/96 Administrative Confidential
L960107-00-D	Garilynn Billingsley	2/9/96 LIGO Large Optics Insurance Inventory
L960107-01-D	Garilynn Billingsley	3/1/96 LIGO Large Optics Insurance Inventory
L960107-02-D	Garilynn Billingsley	3/15/96 LIGO Large Optics Insurance Inventory
	Garilynn Billingsley	3/20/96 LIGO Large Optics Insurance Inventory
	Garilynn Billingsley	4/15/96 LIGO Large Optics Insurance Inventory
	Garilynn Billingsley	7/25/96 LIGO Large Optics Insurance Inventory
	Garilynn Billingsley	8/16/96LIGO Large Optics Insurance Inventory
	Phil Lindquist	2/13/96LIGO Change Control Board (CCB) Meeting Minutes for 9 February 1996
	Phil Lindquist	2/15/95 Memo from E. Freise re, Meeting with NSF on 8 February 1996
	Otto Matherny	2/16/96 Request for Meeting in Richland Area
L960111-00-F		2/16/96 Request for Meeting in Richland Area
	Gary Sanders	2/16/96 Request for Meeting in Richland Area
	Fred Raab	2/16/96 Request for Meeting in Richland Area
	Robert Spero	2/19/96 Core Optics Size Meeting Minutes for 4 January 1996
L960126-00-M	Bill Althouse	2/13/96 Meeting with NSF on 8 February 1996
		3/15/96 LIGO Beam Tube Modules Updated Design Review
L960145-00-M L960146-00-M		4/30/96Administrative Confidential 3/19/96Possible Collaboration of University of Florida in LIGO
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	Fred Asiri Rick Savage	2/20/96 Summary of Lightning Protection Working Session, February 16, 1996. 2/19/96 Summary of Lightning Protection Working Session, Friday, February 16th, 1:00 PM, LIGO SCR (352 WB)
	Jerry Burk	2/19/96 Administrative Confidential
	Dennis Coyne	2/20/96 Power Dissipation Increases for the Three Interferometer Configuration
-	Robbie Vogt	2/23/96 International Collaboration to Develop Sapphire Test Masses for Laser Interferometer Gravitational Wave Astronomy
L960158-00-D	Robbie Vogt	2/23/96 International Collaboration to Develop Sapphire Test Masses for Laser Interferometer Gravitational Wave Astronomy.
	Fred Raab	2/23/96 Science Education Opportunities for the Richland School District from the LIGO Project
	Fred Raab	2/23/96 Science Eucation Opportunities for Kennewick School District from the LIGO Project
	Fred Raab	2/27/96 Science Education Opportunities for WSU Tri-Cities from the LIGO Project
-	Robbie Vogt	2/27/96 Letter of Interest of Possible Collaberation between VIRGO, LIGO and Australia for Use of Sapphire Test Masses in Laser Interferometer Gravitational Wave Detectors
L960166-00-P	TODDIO VOGE	2/27/96 Sample of Conflict of Interest Statement. from JPL
	Cindy Akutagawa	2/28/96 Dr. Barry Barish Traval Expense Reports - Account Distribution Change
L960168-00-A	Gary Sanders	2/27/96 Extension of Storage - Dennis Coyne
L960170-00-A		2/28/96 Relocation of Caltech Employees to Washington and Louisiana.
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L960171-00-U	Robbie Voat		2/29/96 Surf 96 Project.
L960172-00-P	-		3/1/96 LIGO Change Control Board Meeting, 4 March 1996
L960173-00-P	-	423599 (inv. #)	3/1/96 Distribution of MIT Costs Invoiced for August through December, 1995
L960175-00-P	Phil Lindquist	423599 (INV #)	3/4/96 Allocation of MIT Costs Invoiced through December, 1995
L960176-00-M	Gary Sanders	, ,	3/8/96 LIGO Beam Tube Modules Updated Design Review.
L960177-00-P	Syd Meshkov		3/5/96 Project Control Meeting Minutes for 28 February 1995.
L960178-00-M	Beth Moore		4/30/96 Administrative Confidential
L960179-00-M	Beth Moore		4/30/96 Administrative Confidential
L960180-00-P	Phil Lindquist		3/5/96 LIGO Change Control Board (CCB) Meeting Minutes for 4 March 1996.
L960181-00-A	I. Baldon		3/5/95 Overpayment on Previous Expense Reports.
L960181-01-A	I. Baldon		3/5/96 Overpayment on Previous Expense Reports
L960182-00-O	Ed Jasnow		3/6/96 Proposed General Provisions for Formally Advertised Construction Contracts
L960183-00-A	Stan Whitcomb		3/7/96 Request of Money Transfer to Moscow State University from ISF GAP Grant
L960184-00-P	Phil Lindquist		3/9/96 LIGO Change Control Board Meeting for 11 March 1996
L960186-00-M	Beth Moore		4/30/96 Administrative Confidential
L960187-00-P	Syd Meshkov		3/11/96 Project Control Meeting Minutes for 6 March 1996
L960188-00-V	John Worden		3/8/96 Agreements and Commitments with PSI
L960191-00-E	Dennis Coyne		3/11/96 Comments on PSI's Eqiupment Power Requirements (V049-1-047, Rev. P1)
L960192-00-V	John Worden		3/13/96 PSI Contract Changes in Response to Change Orders 12, 13, 16, 17, and 18
L960193-00-P	Cindy Akutagawa		3/14/96 Labor Hour Reports - End of February 1996
L960194-00-P	Cindy Akutagawa		2/15/96 Allocation of Actual Costs - Detail Report, End of January 1996
L960195-00-D	Peter Holland		4/3/96 Manuscript Comments on "Improved Sensitivity in a Gravitational Wave Interferometer" (LIGO-P950011-02-R)
L960196-00-A	Isaac Skelton		2/28/96 Income Tax Status on ISF with the Russian Federation
L960197-01-E	Dennis Coyne		3/18/96 Proposed Additions to Nomenclature for Equipment within the Buildings, Revision 1
L960199-00-P	Rita Torres		3/14/96 Duplicate Invoices from Butler Service Group, Inc.
L960200-00-E	Dennis Coyne		3/15/96 Review of Drawings Related to the Facility Monitoring and Control System (FMCS)
L960201-00-P	Phil Lindquist		3/15/96 LIGO Change Control Board (CCB) Meeting Minutes for 11 March 1996
L960202-00-P	Phil Lindquist		3/15/96 Reconciliation of Funding and Expenditures by Fiscal Year
L960203-00-A	Gary Sanders		3/18/96 Jury Duty Request for Fred Raab
L960204-00-P	Phil Lindquist		3/18/96 LIGO Change Control Board Meeting - 19 March 1996
L960205-00-A	Gary Sanders		3/18/96 Invitation to LIGO Contractor Design Reviews
L960206-00-V	Mike Zucker		3/18/96 Relocation of Nozzles on HAM Chamber 84" and 60" Covers
L960207-00-P	Syd Meshkov		3/18/96 Project Control Meeting Minutes for 13 March 1996
L960208-00-E	Dennis Coyne		3/18/96 Vacuum Equipment Deliverables to the Beam Tube
L960209-00-V	John Worden		3/19/96 Vacuum Control and Monitoring Systems Design Requirements Document
L960210-00-P	Cindy Akutagawa		3/19/96 Labor Changes for LIGO Personnel
L960211-00-E	Dennis Coyne		3/19/96 Integrated Layout Drawings: Usage & Maintenance
L960212-00-P	Ben Lucas		3/19/96 Beam Tube Enclosure (BTE) Lightning Protection
L960213-00-P			3/19/96 Request for D&B Report on Lightwave Electronics Corp.
L960215-00-E	•		3/20/96 Minutes of the Integration Meeting of March 15, 1996
	Tom Everhart		2/1/96 Letter of Appreciation
L960217-00-M	Karl Drobny		3/15/96 Newspaper Article on LIGO in Hanford
L960218-00-M			3/14/96 Newspaper Article re LIGO Project - Hanford
L960219-00-E		DQA #96-240	3/11/96 Review of LIGO Sites Alignment Requirements Document (LIGO-E960010-00-E)
L960220-00-M	•		3/22/96 Numbering and Archiving LIGO Talks
L960221-00-D			3/22/96 Gathering of High Precision Optical Metrology Data in the Form of Wyko 6000
	Stan Whitcomb		3/22/96 Evaluators' Comment Sheets for RFP KD 226
L960223-00-B			3/22/96 Baffle Coating Risk Assessment
	Richard Bagley		2/29/96LIGO Vacuum Equipment News Release
	Jim Hough		3/1/96 Draft of Memorandum of Understanding (MOU) Between theGerman/British Collaboration for the Detection of Gravitational Waves (GEO 600) and the LIGO Project, March 1996
	Phil Lindquist		3/28/96LIGO Amount Awarded and Amount Expended by Fiscal Year, NSF Award #PHY-9210038
	Phil Lindquist		3/28/96 LIGO Change Control Board (CCB) Meeting Minutes for 19 March 1996
	Beth Moore		3/29/96 Reviewers Documentation Package for NSF Review, 9-10 April 1996
	Gary Sanders		3/29/96 National Science Foundation Review of the LIGO Project - April 9-11, 1996
L960230-00-A	I. Baldon		3/29/96 Reimbursement of Overpayment on Previous Expense Reports
	Beth Moore		3/28/86 Invitation to Attend the NSF Review on 9-10 April 1996
L960232-00-P	Phil Lindquist		3/29/96 DRAFT Quarterly Report

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L960279-00-M Prof. Charles Pock 4/12/96[Whitcomb and Spero Win Award from Optical Society of America L960279-00-M Dr. Steven Koonin 4/12/96[The Just-Completed NSF Semi-Annual Review of LIGO - Congratulations L960281-00-D Earl Friese 4/17/96[Request for Approval, Proposed Contract for Baffle Coating L960281-00-P Ed Jasnow 4/17/96[Request for Approval, Proposed Contract for Baffle Coating L960282-00-P Richard Fischer 4/17/96[Minutes - Project Control Meeting, April 17, 1996. L960283-00-P Phil Lindquist 4/17/96[Minutes - Project Control Meeting, April 17, 1996. L960283-00-P Bill Althouse 4/18/96[Meeting With Paul Hendry, PSI Project Controls Manager. L960283-00-D Barn Whitcomb 4/26/96[Ofter of Appointment L960283-00-D Barn Whitcomb 4/26/96[Ofter of Appointment L960283-00-D Barn Barish 4/26/96[Ofter of Appointment L960283-00-D Barn Barish 4/26/96[Ofter of Appointment L960283-00-D Barn Barish 4/29/96[Weavgraphs on the LIGO Project L960283-00-D Carly Sanders 4/19/96[TOPS Volume Author Kit L960283-00-D Gary Sanders 4/29/96[Aministrative Confidential			
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L960282-00-P Richard Fischer 4/17/96 Minutes - Project Control Meeting, April 17, 1996. L960283-00-P Phil Lindquist 4/18/96 Meeting With Paul Hendry, PSI Project Controls Manager. L960284-00-V Bill Althouse 4/18/96 Meeting With Paul Hendry, PSI Project Controls Manager. L960285-00-D Stan Whitcomb 4/26/96 Offer of Appointment L960286-00-B Bill Althouse 4/26/96 Offer of Appointment L960286-00-B Bill Althouse 4/19/96 (Weeyraphs on the LIGO Project L960286-00-M Gary Sanders 4/19/96 (Weeyraphs on the LIGO Project L960289-00-A Kelly Cohen 4/19/96 (TOPS Volume Author Kit L960290-00-M Gary Sanders 4/22/96 Administrative Confidential L960291-00-M Gary Sanders 4/22/96 Administrative Confidential L960293-00-M Gary Sanders 4/22/96 Administrative Confidential			
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L960284-00-V Bill Althouse 4/18/96 Meeting With Paul Hendry, PSI Project Controls Manager. L960285-00-D Stan Whitcomb 4/26/96 Offer of Appointment L960285-00-D Barry Barish 4/26/96 Offer of Appointment L960286-00-B Bill Althouse 4/19/96 LIGO Beam Tube Modules Updated Design Review - DRAFT Report L960287-00-M Gary Sanders 4/19/96 Viewgraphs on the LIGO Project L960289-00-A Kelly Cohen 4/19/96 TOPS Volume Author Kit L960290-00-M Gary Sanders 4/22/96 Administrative Confidential L960290-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Administrative Confidential L960293-00-M Dennis Coyne 4/22/96 New Board Charter for the Vacuum Control and Monitoring System (VCMS) Design Requirements Review (DRR) L960295-00-E William Young 4/22/96 Revised Manuscript "Improved Sensitivity in a Gravitational Wave Interferometer"			
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L960286-00-B Bill Althouse 4/19/96 LIGO Beam Tube Modules Updated Design Review - DRAFT Report L960287-00-M Gary Sanders 4/19/96 Viewgraphs on the LIGO Project L960289-00-A Kelly Cohen 4/19/96 TOPS Volume Author Kit L960290-00-M Gary Sanders 4/22/96 Administrative Confidential L960291-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Submission of Revised LIGO Project Management Plan (LIGO-M950001-B-M) L960294-00-E Dennis Coyne 4/22/96 Review Board Charter for the Vacuum Control and Monitoring System (VCMS) Design Requirements Review (DRR) L960295-00-E William Young 4/22/96 Minutes of Second EMI Control Plan Meeting, Friday April 19, 1996 L960296-00-D Stan Whitcomb 4/23/96 Revised Manuscript "Improved Sensitivity in a Gravitational Wave Interferometer"			
L960287-00-M Gary Sanders 4/19/96 Viewgraphs on the LIGO Project L960289-00-A Kelly Cohen 4/19/96 TOPS Volume Author Kit L960290-00-M Gary Sanders 4/22/96 Administrative Confidential L960291-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Administrative Confidential L960292-00-M Gary Sanders 4/22/96 Administrative Confidential L960293-00-M Gary Sanders 4/22/96 Administrative Confidential L960293-00-M Gary Sanders 4/24/96 Submission of Revised LIGO Project Management Plan (LIGO-M950001-B-M) L960294-00-E Dennis Coyne 4/22/96 Review Board Charter for the Vacuum Control and Monitoring System (VCMS) Design Requirements Review (DRR) L960295-00-E William Young 4/22/96 Minutes of Second EMI Control Plan Meeting, Friday April 19, 1996 L960296-00-D Stan Whitcomb 4/23/96 Revised Manuscript "Improved Sensitivity in a Gravitational Wave Interferometer"		•	
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L960296-00-D Stan Whitcomb 4/23/96 Revised Manuscript "Improved Sensitivity in a Gravitational Wave Interferometer"		•	
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L960298-00-B Tom Eagar 4/23/96 Review and Edits for Design Review Report on Beam Tube Modules			
	L 060000 00 D	Tom Eagar	4/23/96 Review and Edits for Design Review Report on Beam Tube Modules

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
L960300-00-B	Cecil Franklin		4/23/96 Projected Schedule for Oven Unloading
L960302-00-P	Phil Lindquist		4/25/96LIGO Change Control Board Meeting - 04/26/96
	Graham H. Fernald, Esq.		4/25/96Sales Tax in Washington
	David Shoemaker		4/25/96Information on the UN/European Space Agency Workshop on Basic Space Science
	David Shoemaker		4/25/96Seismic Isolation System DRR
	David Shoemaker		4/25/96Length Sensing/Control DRR
	Gary Sanders		4/25/96LIGO Vacuum Equipment Final Design Review
	Bill Althouse		4/26/96 Transmittal of LIGO Beam Tube Modules Updated Design Review - DRAFT Report
	Phil Lindquist		4/29/96LIGO Change Control Board (CCB) Meeting Minutes for 26 April 1996
	Phil Lindquist		4/29/96 Disposition of Technical Change Proposal TC-960001 - Lightning Protection
L960313-00-M			4/29/96 Administrative Confidential
	Albert Lazzarini		5/1/96 Meeting Between Virgo and LIGO on the Use of Common Data Formats and Access to Data
-	Ben Lucas		4/25/96 Baseline Eye Checks
	Peter Fritschel		5/1/96 Layout of Chambers and Stack Mounting Plates in the Corner Station
	Richard Kithil		5/1/96 Lightning Season
	Gary Sanders		5/1/96 Relocation of LIGO Personnel Out of State
L960319-00-P	William Morrison		5/1/96 Information on Laser Safety Containment Systems
L960320-00-A	Jim Piper		7/1/96 Invitation to attend the IQEC'96 VIP Function, Tuesday 16 July, 6:45 pm
L960321-00-M			5/6/96 Meeting on LIGO Project Remote Sites Purchasing Authority Needs
	John Marquette		5/1/96 Offsite Purchasing Process
	Joan Boughan	PP045667	6/4/96 Request for Foreign Travel Approval
	Aaron R. Asrael	11043007	2/23/96 Approval of Change Order With Acme Subcontract
	Mark Coles		2/12/96 Walker Airport Commission
L960327-00-M			2/20/96 Administrative Confidential
L960328-00-B	Warren A. Carpenter	953571File #11.12.1	2/13/96 Preliminary of Pump Port Hardware Interface Control Document and RFI #11 for Review
	· ·	95557 11 110 # 11.12.1	5/14/96 Settlement of SUS Action Items
	Seiji Kawamura Bill Althouse		5/6/96 Discussion of Beam Tube Technical Risks and "Minibake" Options
	Bill Althouse		5/6/96 Report on the LIGO Beam Tube Modules Updated Design Review
L960334-00-M	· ·		5/2/96 Notification of NSF on LIGO Lease Agreement Interpretation
L960335-00-P	Syd Meshkov		5/6/96 Project Control Meeting Minutes for 1 May 1996
L960336-00-P	Irena Petrac		5/3/96 Input for NSF Report
	Gerry Stapfer		5/6/96 Draft FDR Report
	Lew Allen		6/6/96 LIGO Oversight Committee Meeting Agenda for 14 May 1996
L960339-A-E	Albert Lazzarini		5/9/96 Outcome of the Integration Meeting, 3 May 1996
	Seiji Kawamura		5/6/96 Material of Watch Spring
L960341-00-D			3/4/96 ISC Meeting
	Tanya Erdmann		2/23/96 Request for Additional Information on Grant for Bruce Allen at University of Wisconsin
	E. Motts		3/4/96 Proposed Quality Assurance (QA) Support for LIGO Detector Optics
	Dr. David Berley		3/5/96 NSF Response to Downsizing of the LIGO Buildings
	Bruce Pottorf		3/15/96 Clark Report Construction Job Posting for Hanford Site
	Larry Jones		5/6/96 Edits for Memo re. Feasibility Study to Resistance Weld LIGO Baffles
	Bill Althouse		5/8/96 LIGO Coordinate Names and Reference Designations - CAUTION
	Bill Althouse		5/8/96 LIGO Coordinate Names and Reference Designations - CAUTION
	Karl Drobny		4/3/96 Proposed LIGO Construction Sign
	Mickael Telegin		4/11/96 Nut Letter
	David Shoemaker		3/28/96 Letter of Appreciation of Dr. T.N. Phung
	Phil Lindquist		5/9/96 NIST Contract Change Order #3
	Shinji Miyoki		4/8/96 Curriculum Vitae - Shinji Miyoki
	E.G. Hotard		3/18/96 Acquisition of Chicago Bridge Iron(CBI) Co. by Praxair
	Aaron R. Asrael		2/26/96 NSF Increase in Funding
	Joanne Jaramillo		4/5/96 Laboratory Policy Reference
	Peter Holland	HO-992	3/5/96 Manuscript Acceptance for Publication Letter
L960359-00-M	· · · · · · · · · · · · · · · · · · ·		5/10/96 Change Orders/Modifications to NSF-Approved Subcontracts
	Gerry Stapfer		5/13/96 Report on the Facilities Final Design Review
	Mark Coles		5/13/96 Report on the Facilities Final Design Review
	Syd Meshkov		5/13/96 Project Control Meeting Minutes, 8 May 1996
L960363-01-E	Dennis Coyne		6/5/96 Estimated Hanford Site Electrical Transformer Loads

Document No	Full Name	ContractorDocNo Doc Dt Full Title
	John F. McDermott	4312/32802 5/10/96 Sales Tax Exemption Request for California Institute of Technology as Grantee of National Science Foundation for the LIGO Project in Livingston, Louisiana
L960370-01-E		
-	· ·	6/5/96 Calculation/Design Check of the Alternative BT Guided Support Design
	Cindy Akutagawa Rita Torres	5/16/96 Allocation of Actual Costs - Detail Report, End of April 1996. 5/17/96 Plan Holders List
	Edith Mshila	5/13/96 Magnetics Information
	Dr. David Berley	5/13/96 Report of the Committee to Review the MIT Component of Ligo
	Cecil Franklin	5/10/96 Trip Report CBI Coupon Out Gassing Test on 5/10/96
L960376-00-P	D 11: 1/ /	5/29/96 Refer to LIGO-C961580-00-O (L960376 is an incorrect number)
	Robbie Vogt	5/21/96 Logistics for Undergraduates, Summer 1996.
-	Dr. David Berley	4/17/96 Request for LIGO Research Panel from NSF
	Larry Jones	4/24/96 Weekly PC Viewgraphs - Beam Tube
	Curt Hovator	5/21/96 Injection Seeded Tri-Sapphire Laser.
	Cindy Akutagawa	5/21/96 Labor Hour Reports - End of April 1996.
	Lew Allen	6/10/96 Report of LIGO Oversight Committee Meeting held 14 May 1996
	Margot Bremner	5/20/96 Promotion To Academic Level D(Reader)
	Alex Zibold	5/23/96 Beam Splitters
	Alex Zibold	5/22/96 Measurements With the 50 um BMS, NSS=425
	Syd Meshkov	5/28/96 Project Control Meeting Minutes for 15 May 1996
L960388-00-E	Albert Lazzarini	5/29/96 IBM Shared University Research Program Pre-proposal
	Kent Blackburn	5/29/96 IBM Shared University Research Program Pre-proposal
	Phil Lindquist	Inv.#332732 5/28/96 Allocation of MIT Costs Invoiced Through April 1996
L960391-A-E	Albert Lazzarini	5/29/96 Paper for Internal Review Prior to Publication
	Dennis Coyne	5/28/96 Review Board Charter and Document Transmittal for the Suspension Preliminary Design Review
	Stan Whitcomb	6/1/96 Letter of Recommendation
	Kent Blackburn	5/30/96 Pre-Proposal with IBM Shared University Research (SUR)
	Cecil Franklin	5/23/96 Trip Report Coil Material Bake-out
	Dr. David Berley	5/13/96 Transmittal of NSF Review Report for MIT Component of the LIGO Project
	Don Hartill	5/7/96 Transmittal of Final NSF Review for MIT Component of LIGO
	Thomas Kirk	5/3/96 Transmittal of Final NSF Review Report for LIGO
	Dr. David Berley	5/13/96 Transmittal of Final NSF Review Report
	Donna Tomlison	5/18/96 L.A. Cellular Billing Statement
L960402-00-D	Ed Japani	5/30/96 Wire with an Extremely High Quality Factor
	Ed Jasnow	6/5/96 Washington Sales Tax Exemption, State Senate Bill 6511
	Ed Jasnow	6/5/96 Washington Sales Tax Exemption, State Senate Bill 6511
	Ed Jasnow	6/5/96 Washington Sales Tax Exemption, State Senate Bill 6511
L960406-00-P		6/5/96 Rights in Data Clause for Subcontracts
L960407-00-A	·	5/30/96 LIGO Mailing List
	Rolf Bork	6/3/96 CDS Group Staffing Plan and Site Development
	Bill Althouse	6/3/96 SEI DRR Review Board Report
	Dr. David Berley	5/23/96 Panel on the Future Use of LIGO(Charge, Members, Agenda)
L960411-00-M		6/4/96 Statement of Work (SOW) for LIGO Safety Support Contract 6/4/96 Procurement, Services of Dr. John R. Orr
L960412-00-M		
	Beth Moore	6/4/96 LIGO Project Contractors 6/4/96 Laser Eye Examinations for Laser Safety Program
	Ben Lucas Stan Whitcomb	6/6/96 Assignment of CDS Control and Monitoring DRR Action Items
		5/16/96 Assignment of CDS Control and Monitoring DRR Action Items 5/16/96 CBI Schedule from 5/16/96
	Larry Jones Alex Zibold	6/5/96 Photon Energy Calculations
L960419-00-D L960422-00-M	AIGN FINAIR	5/24/96 Galilleo Response to the Review Panel Report.
	Gabriella Gonzalez	6/6/96 SUS PDR/RFA (Recommendation for Action)
		6/10/96 Draft LIGO EMC/EMI Control Plan and Procedures
L960425-00-E	William Young Cecil Franklin	
		6/11/96 Trip Report - Coil Material Bake-Out Metlab, Philadelphia - 3-5 June 1996
	Bill Althouse	6/10/96 LIGO Vacuum Equipment Final Design Review - DRAFT REPORT
	Syd Meshkov	6/10/96 Project Control Meeting Minutes for 5 June 1996
	Ed Jasnow	6/10/96 Refer to LIGO-C961579-00-O (L960429-00-P is an incorrect number)
	Garilynn Billingsley	6/12/96 LIGO Material Specifications 6/13/96 Droft LICO Poliphility Program Plan
	Milena Krasich	6/12/96 Draft LIGO Reliability Program Plan 6/13/96 Assignment of Core Optics Components DRR Action Items
L900433-00-D	Stan Whitcomb	o/ 13/20/Assignment of Core Optics Components DKK Action flems

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L960435-00-P	Cindy Akutagawa	6/13/96 Allocation of Actual Costs - Detail Report, End of May 1996
L960436-00-V	John Worden	6/13/96 Agreements and Commitments with PSI
L960438-00-D	Dennis Coyne	6/14/96 Physical Constraints on the Placement and Integration of the Support Structure of the Seismic Isolation System (SIS)
L960439-00-M	Barry Barish	6/15/96 Preparation for Formal Proposal for an Advanced R&D Program for Submission to NSF
L960440-00-M	National Science Foundation	6/17/96 NSF Active Grants in Gravitational Physics, FY1995 Annual Rates
L960441-00-P	Syd Meshkov	6/17/96 Project Control Meeting Minutes for 12 June 1996
L960443-00-M	Gwendolyn Lytle	6/13/96 Administrative Confidential
L960444-00-M	Bruce Allen	6/18/96 Administrative Confidential
L960445-00-A	Beth Moore	6/20/96 Information on the LIGO Project.
L960446-00-O	Dianna Krueger	6/7/96 List of Transferred Furniture from SSC
L960447-00-D	Kelly Cohen	6/13/96 Requirements for LIGO Optics and Their Realization
L960448-00-P	Richard Kithil	6/15/96 CLSP Logistics Information
L960450-00-M	Dr. David Berley	6/20/96 Notification of Review of Program Proposal for Support of LIGO Research - LIGO Visitors Program Proposal, PHY-9603177
L960451-00-P	Phil Lindquist	6/24/96 DRAFT Quarterly Report for Review and Comments
L960452-00-A	David Shoemaker	6/19/96 Consolidated Salary Expense Analysis
L960453-00-P	Syd Meshkov	6/24/96 Project Control Meeting Minutes for June 19, 1996.
L960454-00-A	Jerry J. Perez	6/4/96 Travel Expenses
L960456-00-D	Inge Kabert	6/24/96 Dielectric Mirror
L960457-00-M	Earl Friese	6/5/96 New Proposal Entitled: LIGO Visitors Program Proposal.
L960458-00-D	Stan Whitcomb	7/22/96 Transfer of Equipment to Moscow State University (MSU)
L960461-00-B	Lance Buboltz	6/21/96 Article for Port of Pasco Newsletter(Revised)
L960463-00-P	Ed Jasnow	6/25/96 Liquid Nitrogen Dewars
L960464-00-V	Bill Althouse	6/25/96 Report on the LIGO Vacuum Equipment Final Design Review
L960474-00-E	Dennis Coyne	7/22/96 BSC Chamber Shell Breathing Deflections Under Vacuum Loads
L960511-02-D		5/17/96 Amendment to CSIRO Final Report
L960526-00-P	Bill Althouse	7/25/96 LIGO Technical Board Meeting Minutes for 22 July 1996
L960528-00-D	Stan Whitcomb	7/1/96 Assignment of Length Sensing and Control DRR Action Items
L960529-00-D	Stan Whitcomb	7/1/96 Assignment of Seismic Isolation DRR Action Items
L960530-00-D	Stan Whitcomb	7/22/96 Transfer of Equipment to Moscow State University (MSU)
L960531-00-M	Fred Raab	3/15/96 Letter to Benton County.
L960532-00-D	Ruth Borgeson Everett	3/26/96 Notice of Financial Support From International Science Foundation (ISF)
	Claude Canizares	5/22/96 NSF Review of MIT Component of LIGO Project
L960538-00-M	Barry Barish	6/26/96 Response to Application for Rahim Haghighat
	David Shoemaker	6/26/96 Update on Employee Benefit Rates
L960541-00-M	Gary Sanders	6/27/96 New Weekly Time for Project Control Meetings and Weekly Reports
L960542-00-F	Rita Torres	6/28/96 Two Submittals for Commerce Business Daily
L960543-00-M	· ·	6/28/96 Administrative Confidential
L960544-00-M	•	6/28/96 Relocation Travel Reimbursement.
L960545-00-A		6/28/96 LIGO Project Telephone Extensions - Switches
L960547-00-B	•	6/24/96 Beam Tube Viewgraphs
	Lance Buboltz	6/21/96 Article for Port of Pasco Newsletter
	Phil Lindquist	6/28/96 Allocation of MIT Costs Invoiced through May 1996
	Mark Coles	7/1/96 Trip Report - LIGO Outreach Program in Louisiana
	Phil Lindquist	7/1/96 LIGO Change Control Board Meeting - 8 July 1996
	Phil Lindquist	7/2/96 LIGO Change Control Board Meeting - July 8, 1996.
	Beth Moore	7/3/96 Undergraduate Wage Rates for Academic Year 1996/1997.
	Syd Meshkov	7/3/96 Project Control Meeting Minutes for June 26, 1996.
	Gerry Stapfer	7/2/96 Information Regarding the Industry Briefing
	Phil Lindquist	7/24/96 Transmittal LIGO Monthly Progress Report
	Phil Lindquist	7/10/96 LIGO Change Control Board (CCB) Meeting Minutes for 8 July 1996
	Rita A. Heldenbrand	7/10/96 Letter From Spokane Construction Council.
	William Young	7/11/96 LIGO Vacuum Compatible Materials List
	Irena Petrac	7/12/96Work Order #97017 - "Gravity Wave Detection Facility Program"
	Syd Meshkov	7/12/96 Project Control Meeting Minutes for 8 July 1996
L960569-00-P		7/15/96 Response to 9-11 April 1996 NSF Review Report
L960572-00-M		7/15/96 LIGO Assessment of Gustafson & Riles Proposal "Gravity Wave Detection and Astrophysics"
	Cindy Akutagawa	7/15/96 Allocation of Actual Costs - Detail Report, End of June 1996

	Document No	Full Name	ContractorDocNo Doc Dt Full Title
	L960574-00-P	Cindy Akutagawa	7/17/96 Labor Hour Reports - End of June 1996
	L960575-00-M	Bill Iwan	6/13/96 Approval of LIGO Visitors Program Proposal by the Committee on Sponsored Research
	L960576-00-M	Tom Everhart	7/8/96 Sponsored Research Proposal Approval for the LIGO Visitors Program
1967-1962 2001 Asset Asset Asset Asset Asset Associated procedure in the DET Personal for the Count Market process of the Cou	L960577-00-M	Frederick Su	7/2/96 Transmittal of Published Article
	L960578-00-M	Robert L. Byer	1/10/96 Transmittal of the Memorandum of Understanding(MOU) Between Galileo and LIGO
1985-1997 See President 1985-1997	L960579-00-P	Aaron R. Asrael	7/5/96 National Science Foundation Authorization for NIST Amendment
March Marc	L960580-00-F	Debasish Mukherjee	7/10/96 Letter Regarding Interest in Participating in the Vacuum Buildup and Laser Health Physics Portions of the LIGO Project
	L960582-00-B	Larry Jones	7/17/96 RGA Information
	L960584-00-P	Syd Meshkov	7/22/96 Project Control Meeting Minutes for 15 July 1996
	L960585-00-M	Marty Garcia	7/23/96 Delayed Relocation of Gary H. Sanders
	L960587-00-P	Phil Lindquist	7/23/96 LIGO Change Control Board Meeting, 25 July 1996
1950/03/07 Per Cortiny	L960590-00-M	Gary Sanders	7/25/96 Administrative Confidential
	L960591-00-M	Gary Sanders	7/25/96 Administrative Confidential
	L960592-00-A	Frank Conley	7/25/96 Resumes for Sr/Jr Network Administration Position
PARTICIPATION Part Participation	L960593-00-F	Mark Coles	7/25/96 Thank You Letter
	L960594-00-M	Gary Sanders	7/25/96 Issuance of First LIGO Monthly Newsletter
	L960594-00-M	Barry Barish	7/25/96 Issuance of First LIGO Monthly Newsletter
	L960596-00-D	Peter Fritschel	6/11/96 Cross-coupling in the Suspension Controllers
GRISSION DESIGNATION GENERAL PROPERTY GENERAL	L960597-00-P	Phil Lindquist	7/26/96 LIGO Change Control Board (CCB) Meeting Minutes - 25 July 1996
	L960599-00-M	Syd Meshkov	7/27/96 Request for Candidates for the LIGO Program Advisory Committee
195000-09-14 Syrt Metahov	L960600-01-M		6/1/96 Latest from LIGO - The Newsletter
	L960600-02-M	Syd Meshkov	7/1/96 The LIGO Newsletter - The Latest from LIGO
1908/09/10/10 1908/09/10	L960600-04-M	Syd Meshkov	9/1/96 The LIGO Newsletter - The Latest from LIGO
B80807-0CP Min. Cales	L960600-05-M	Syd Meshkov	10/1/96 Latest from LIGO - LIGO Newsletter, OCTOBER 1996
Section Sect	L960600-07-M	Syd Meshkov	12/1/96 Latest from LIGO - LIGO Newsletter, DECEMBER 1996
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196004-00-P Phil Lindquist	L960602-00-F	Mark Coles	7/25/96 Cascina Conference on Gravitational Radiation.
1908/08-00-P Irem Pertac 1919 Advance Review of Hytes Change Order M4 1908/08-00-P Mile Zucker 73198 Focal Rescriber Plants for CAA Mobation & Acoustics Analysis 1908/08-00-P Phil Lindquist 88988 PT 1998 Annual Work Plan 1908/08-00-P Alone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Logue Terma 72599 Files of Subcontracts for ONR Austi 1908/08-10-P Jone Terma 72599 Files of Subcontracts for ONR Austi 1909/08-10-P Jone Terma 72599 Files of Subcontracts for ONR Austi 1909/08-10-P Jone Terma 72599 Files of Subcontracts for ONR Austi 1909/08-10-P Jone Terma 72599 Files of Subcontracts for ONR Austi 1909/08-10-P Jone Terma 72599 Files of Subcontracts for Files Subcontracts 72599 Files Subcontracts 1909/08-10-P Jone Terma 72599 Files Subcontracts 72599 Files Subcontrac	L960603-00-P	Phil Lindquist	7/30/96 Project Control Meeting Minutes for 29 July 1996
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1,98087-00-P Phil Lindquist 1,9808-1986 1,9808-198	L960605-00-P	Irena Petrac	8/1/96 Advance Review of Hytec Change Order #4
196081-0-0-0 Lore	L960606-00-V	Mike Zucker	7/31/96 Focal Receiver Points for CAA Vibration & Acoustics Analysis
1980 19-00-00 2004 2007 200	L960607-00-P	Phil Lindquist	8/6/96 FY 1996 Annual Work Plan
196011-00-0 Detris Fourmaux 772496Newspaper Ad for LIGO Industry Briefing Conference	L960609-00-B	Larry Jones	7/18/96 Valve Issues
1990 1-00-0 S. Smart	L960610-00-P	Jose Lopez-Tiana	7/26/96 Files of Subcontracts for ONR Audit
1,230612-00-D 17,2306 Marinite P 1,2306	L960611-00-O	Dedra Fourmaux	7/24/96 Newspaper Ad for LIGO Industry Briefing Conference
1906/15-00-M Richard Taylor 8/5/96/Transmittal of Pictures taken at Hanford and the ACME Production Facility 1906/15-00-F Mark Coles 8/9/96/Life Control Board Meeting - 13 August 1996. 1906/15-00-F Phil Lindquist 8/9/96/Life Control Board Meeting - 13 August 1996. 1906/15-00-F Phil Lindquist 8/9/96/Life Control Board Meeting - 13 August 1996. 1906/15-00-F Phil Lindquist 8/9/96/Life Control Board Meeting - 13 August 1996. 1906/15-00-F Phil Lindquist 8/12/96/F 1997 Annual Work Plan - Planned Budgets 1906/20-00-F Phil Lindquist 8/12/96/F 1997 Annual Work Plan - Planned Budgets 1906/20-00-F 1906/20-00-	L960611-00-O	S. Smart	7/24/96 Newspaper Ad for LIGO Industry Briefing Conference
L980616-00-F Mark Coles 8/9/96 Final Versions of Facility Architectural Drawings for Review	L960612-00-D		7/23/96 Marinite P
1960817-00-P	L960615-00-M	Richard Taylor	8/5/96 Transmittal of Pictures taken at Hanford and the ACME Production Facility
L960619-00-C	L960616-00-F	Mark Coles	8/9/96 Final Versions of Facility Architectural Drawings for Review
L960619-00-C Phil Lindquist 8/12/96 FY 1997 Annual Work Plan - Planned Budgets L960620-00-M Boyce McDaniel 7/26/96 Transmittal of Panel Report on the Use of LIGO L960621-00-A National Science Foundation 5/13/96 National Science Board List L960622-00-D Dennis Coyne 8/15/96 Mid-Station Detector Power Conduit Stub-Up Locations and Details: Modification and Clarification of the Released Construction Drawings L960622-00-D Dennis Coyne 8/15/96 Mid-Station Detector Power Conduit Stub-Up Location and Details: Modification and Clarification of the Released Construction Drawings. L960624-00-P Cindy Akutagawa 8/16/96 Indication of July 1996. L960625-00-P Cindy Akutagawa 8/16/96 Indication of July 1996. L960625-00-P Phil Lindquist 8/16/96 Project Control Meeting Minutes for August 12, 1996. L960627-00-P Phil Lindquist 8/16/96 LGO Change Control Board (CCB) Meeting Minutes for August 13, 1996 L960628-00-R David Shoemaker 8/19/96 Comments Requested Prior to Submission for Publication L960628-00-R David Shoemaker 8/19/96 Comments Requested Prior to Submission L960632-00-P Phil Lindquist 8/16/96 Sample Lease Agreement L960632-00-P Phil Lindquist 8/16/96 Sample Lease Agreement L960632-00-P Phil Lindquist 8/16/96 Scor RI ID Count In Costs Invoiced Through July 1996 L960632-00-P Phil Lindquist 8/16/96 CCR II Document Distribution. L96063-00-P Phil Lindquist 8/21/96 SC CR II ID Count In Distribution. L960635-00-P David Shoemaker 8/21/96 SC CR II ID Count In Distribution.	L960617-00-P	Phil Lindquist	8/9/96 LIGO Change Control Board Meeting - 13 August 1996.
1960620-00-M Boyce McDaniel 7/26/96 Transmittal of Panel Report on the Use of LIGO 1960621-00-A National Science Foundation 5/13/96 National Science Board List 1960622-00-D Dennis Coyne 8/15/96 Mid-Station Detector Power Conduit Stub-Up Locations and Details: Modification of the Released Construction Drawings 1960622-00-D Dennis Coyne 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Clarification of the Released Construction Drawings 1960622-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Details: Modification and Clarification of the Released Construction Drawings 1960625-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Details: Modification of the Released Construction Drawings 1960625-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Details: Modification of the Released Construction Drawings 1960625-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Details: Modification of the Released Construction Drawings 1960625-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Clarification of the Released Construction Drawings 1960625-00-P Cindy Akutagawa 8/19/96 Mid-Station Detector Power Conduit Stub-Up Location and Clarification of the Released Construction Drawings 1960625-00-P Phil Lindquist 8/19/96 Allocation of Actual Costs - Detail Report, End of July 1996 1960625-00-P Phil Lindquist 8/27/96 Review of Article Prior to Submission 1960625-00-P Phil Lindquist 8/29/96 Allocation of Mid Tosts Invoiced Through July 1996 1960625-00-P Phil Lindquist 8/29/96 Allocation of Mid Tosts Invoiced Through July 1996 1960625-00-P Phil Lindquist 8/29/96 Allocation of Mid Tosts Invoiced Through July 1996 1960625-00-P Phil Lindquist 8/29/96 Allocation of Mid Tosts Invoiced Through July 1996 1960625-00-P Phil Lind			8/9/96 Duties For Site Security.
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L960635-00-P Bill Althouse 8/21/96 LIGO Technical Board Meeting Minutes - 20 August 20 1996	L960632-00-P	Phil Lindquist	8/20/96 Allocation of MIT Costs Invoiced Through July 1996
	L960634-00-D	David Shoemaker	8/21/96 ASC CRR II Document Distribution.
L960636-A-E Albert Lazzarini 8/22/96 POTs Line For J.K. Blackburn.	L960635-00-P	Bill Althouse	8/21/96 LIGO Technical Board Meeting Minutes - 20 August 20 1996
	L960636-A-F	Albert Lazzarini	8/22/96 POTs Line For J.K. Blackburn.

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L960637-00-F	Ed Jasnow	8/22/96 Information for Engineering News-Record Article on LIGO
L960638-00-P	Phil Lindquist	8/26/96 Concurrent Computer Disposition Instructions
L960639-00-P	Richard Fischer	8/26/96 Project Control Meeting Minutes for 19 August 19 1996
L960640-A-E	Kent Blackburn	8/26/96 Summary of Meetings with Benoit Mours(Virgo) on Data Formats
L960640-A-E	Albert Lazzarini	8/26/96 Summary of Meetings with Benoit Mours(Virgo) on Data Formats
L960641-01-P	Linda Turner	9/23/96 DRAFT, Electronic Submissions to the Document Control Center (DCC)
L960641-01-P	Bill Althouse	9/23/96 DRAFT, Electronic Submissions to the Document Control Center (DCC)
L960641-02-P	Bill Althouse	9/25/96 DRAFT, Electronic Submissions to the Document Control Center (DCC)
L960641-02-P	Linda Turner	9/25/96 DRAFT, Electronic Submissions to the Document Control Center (DCC)
L960641-03-P	Bill Althouse	10/1/96 DRAFT Electronic Submissions to the Document Control Center (DCC)
L960641-03-P	Linda Turner	10/1/96 DRAFT Electronic Submissions to the Document Control Center (DCC)
L960641-05-P	Bill Althouse	10/9/96 Electronic Submissions to the Document Control Center (DCC)
L960641-05-P	Linda Turner	10/9/96 Electronic Submissions to the Document Control Center (DCC)
L960642-00-M	K. Thorne	8/25/96 Gravitation Wave Data Analysis Workshop
L960643-00-P	Phil Lindquist	8/28/96 Project Control Meeting Minutes for August 26, 1996
L960646-00-P	Phil Lindquist	8/26/96 Transmittal Letter for LIGO Project Monthly Progress Report
L960647-00-P	Irena Petrac	8/29/96 Dun & Bradsheet Business Information/General Optics Incorporated
L960648-00-P	Irena Petrac	8/29/96 Work Order #97951, Supplement 1
L960649-00-A	Fred Raab	9/3/96 Opportunities for Science Education
L960650-00-D	Seiji Kawamura	8/30/96 Submission of Manuscript
L960651-00-P	Phil Lindquist	8/30/96 Resumes for Annual Work Plans and Proposals
L960652-00-P	Phil Lindquist	8/30/96 FY 1997 Operations Work Plan - DRAFT
L960652-B-P	Phil Lindquist	9/12/96 Operations Work Plan - DRAFT III
L960652-C-P	Phil Lindquist	2/17/96 Operations Work Plan (DRAFT IV) for Review and Comments
L960652-D-P	Phil Lindquist	9/24/96 Distribution of Operations Work Plan, Draft V
L960652-E-P	Phil Lindquist	10/1/96 Operations Work Plan, 1996 (FINAL DRAFT) for Review and Comments
L960653-00-M		8/30/96 Administrative Confidential
L960654-00-M		8/30/96 Administrative Confidential
L960655-00-P	Phil Lindquist	9/3/96 Operations Work Plan - DRAFT Budget Proposal
L960656-00-P	Phil Lindquist	9/3/96 REU Proposals, Operations Work Plan, Quarterly Report, Annual Work Plan - Input Requirements
L960657-00-D	Dennis Coyne	9/3/96 Review Board Charter and Document Transmittal for the CDS Control and Monitoring Preliminary Design Review
L960658-00-P	Ted Levy	8/14/96 Notice to Owner of Right to Claim a Lien - Hanford Site
L960659-00-B		9/4/96
L960660-00-P	Claudia Tofani	7/3/96 Ultimate Reminder - Cascina Conference on Gravitational Waves.
L960661-00-P	Phil Lindquist	9/4/96 Status - REU Proposals, Operations Work Plan, Quarterly Report, Annual Work Plan
L960661-A-P	Phil Lindquist	9/6/96 Status - REU Proposals, Operations Work Plan, Quarterly Report, Annual Work Plan
L960662-00-D	Stan Whitcomb	9/5/96 Physical Environmental Monitoring Subsystem DRR Meeting
L960663-00-M	Robert L. Byer	8/17/96 Stanford-GALILEO's Collaboration with LIGO
L960664-00-A	Frank Conley	7/31/96 Resumes for the Sr/Jr Network Administration Position
	Ed Chargois	9/4/96 Property Accountability Weekly Status Report
	Ed Jasnow	9/10/96 Integrated Facilities Schedule - Hanford/Livingston
	Mark Coles	9/11/96 Information re LIGO Design
	Phil Lindquist	9/12/96 LIGO Change Control Board Meeting, 16 September 1996
	Larry Jones	9/9/96 Proposed CLSAMP1
L960673-00-M		8/30/96 Article re Visit to LIGO Site by U.S. Representative Richard Baker
	Syd Meshkov	9/12/96 Project Control Meeting Minutes for 9 September 1996
	Frank Conley	8/22/96 Resumes for the Sr/Jr Network Administration Position
	Gus West	11/15/96 Resume of Jay Rabkin for the Circuit Design Engineer Position
	Rick Savage	9/13/96 Viewgraph Presentation by Agnes Dominjon
	Otto Matherny	9/12/96 Proposed Building Layout - Hanford
L960680-01-M		9/18/96 Proposed Draft Agenda for NSF Technical Review of the LIGO Project, 22-24 October 1996
L960681-00-D	Seiji Kawamura	9/18/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
	David Shoemaker	9/18/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
L960681-00-D	Jordan Camp	9/18/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
L960681-00-D	Albert Lazzarini	9/18/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
	Jay Heefner	9/18/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
L960682-00-M	April Burke	6/21/96 Departments of Veterans Affairs and Housing and Urban Development, and Independent Agencies Appropriations Bill, 1997

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L960683-00-C	Dennis Coyne	9/18/96 Review Board Charter and Document Transmittal for the Vacuum Feedthrough and Cabling Preliminary Design Review (PDR)
L960684-00-P	Syd Meshkov	9/20/96 Project Control Meeting Minutes for 16 September 1996
L960686-00-M	Syd Meshkov	9/13/96 Announcement for Gravitational-Wave Data Analysis Workshop
L960687-00-D		8/8/96 Transmittal of Resume
L960689-01-D	Dennis Coyne	9/23/96 Corner Station Detector Power Conduit Stub-Up Locations: Clarification of the Released Construction Drawings
L960689-02-D	Dennis Coyne	10/3/96 Corner Station Detector Power Conduit Stub-Up Locations: Clarification of the Released Construction Drawings
L960690-00-P	Phil Lindquist	9/23/96 Review of DRAFT Quarterly Report
L960691-00-F	Gerry Stapfer	9/23/96 Beam Tube Fabrication Readiness Review (FRR) Report
L960692-00-P	Felix Fernandez	9/19/96 Updated Responsibility Assignment Matrix (RAM) for the LIGO Project - Construction Phase
L960693-A-E	Albert Lazzarini	9/24/96 Official Use of LIGO 800 Phone Number
L960694-00-M	Joel E. Tohline	8/5/96 Transmittal of Thesis
L960695-00-P	Syd Meshkov	9/26/96 Project Control Meeting Minutes for 23 September 1996
L960696-00-P	Phil Lindquist	10/3/96 Transmittal of LIGO Project Quarterly Progress Report
L960697-00-E	John Klohoker	9/27/96 Draft, LIGO Reliability Program Plan
L960698-00-D	Stan Whitcomb	9/30/96 Design Requirements Reivew (DRR) for Input Optics (IOO) Subsystem
L960699-00-M	Phil Lindquist	9/30/96 Request for Deviation From 15-page Limitation on a Project Proposal Description
L960700-00-M	Fred Raab	9/30/96 Thank you Letter
L960700-00-M	Mark Coles	9/30/96 Thank you Letter
L960701-00-M		9/30/96 Thank you Letter
L960701-00-M	Fred Raab	9/30/96 Thank you Letter
L960702-00-P	Phil Lindquist	10/1/96 Allocation of MIT Costs Invoiced through August 1996
L960705-00-M	Gary Sanders	10/1/96 Signature Authorization for Beth Moore
L960707-00-M		10/11/96 Attendance Roster for the Panel on the Use of the LIGO, 24-25 June 1996
L960708-00-M	Dr. David Berley	5/3/96 Tentative Agenda for the Panel on the Long Range Use of LIGO at NSF, 24-25 June 1996
L960709-00-M	Richard Fischer	10/2/96 Articles about LIGO
L960710-00-P	Cindy Akutagawa	10/2/96 Graphic Arts Charges to Transfer/Journal Out of 5N509
L960711-00-A	Beth Moore	10/2/96 Reviewer's Documentation Package for the NSF Review of the LIGO Project, 22-24 October 1996
L960714-00-P	Cindy Akutagawa	10/4/96 Allocation of Actual Costs - Detail Report, End of August 1996
L960715-00-P	Cindy Akutagawa	10/14/96 Labor Hour Reports - End of September 1996
L960716-00-P	Rita Torres	10/7/96 Meeting/Discussion with M. Penunuri of Accounts Payable re. Payments for LIGO Contracts, 3 October 1996
L960717-00-F	Mark Coles	10/7/96 Requested Photo
L960718-00-F	Gerry Stapfer	10/7/96 Beam Tube Installation Readiness Review (IRR) with CBI at Hanford - Charter, Membership and Agenda
	Cindy Akutagawa	10/8/96 Graphic Arts Charges to Transfer/Journal Out of 5N509
L960722-00-M		10/9/96LIGO Science Centers
	Dr. David Berley	5/22/96 Proposed Annex to the NSF/INFN/CNRS Agreement Concerning Cooperation Between the LIGO and VIRGO Projects
L960725-00-P		10/10/96 Project Control Meeting Minutes for 7 October 1996
L960726-00-M		9/20/96 The LIGO Project - Informal Observations on Tax Issues
	Seiji Kawamura	10/10/96 Requirements of the LOS Suspension Driver
L960729-00-M		10/11/96Beam Tube Bakeout
L960729-00-M		10/11/96Beam Tube Bakeout
L960730-00-M		10/1/96 Review by LSU of Construction Documentation
L960731-00-A		8/22/96 Resume of Brad Gaffney for the Sr/Jr Network Administration Position
	Dennis Coyne	10/11/96 Request for Electronic CAD Files of Selected Civil Construction Drawings
L960734-00-M	· ·	10/14/96 Invitation to Dr. Ottewill for Caltech Visit
	Thomas E. Walsh	10/7/96 Transmittal of Executed Memorandum of Understanding (MOU) from University of Florida
	Seiji Kawamura	10/16/96 Revision of Manuscript (A96554) 2/43/96 First Dreft of Manuscript and Understanding (MOLI) between CEO 600 and UCO for Discussion
L960738-00-M	-	3/12/96 First Draft of Memorandum of Understanding (MOU) between GEO 600 and LIGO for Discussion
		10/16/96 Minutes for Kick-Off Meeting between LIGO and General Optics for the Optics Polishing Contract 2/5/06 Application for Lorge Creat Support in 1007. Interestional Callaboration to Develop Samphire Test Massac for Lorge Interferometer Creative Interferometer Crea
	Adelberto Giazotto	3/5/96 Application for Large Grant Support in 1997 - International Collaboration to Develop Sapphire Test Masses for Laser Interferometer Gravitational Wave Astronomy
	, ,	10/17/96 Allocation of Actual Costs - Detail Report, End of September 1996
L960742-00-P	Syd Meshkov	10/17/96 Project Control Meeting Minutes for 14 October 1996
L960743-00-M		10/21/96 Update on LIGO Outreach in Hanford, Washington Area
	Gerry Stapfer Stan Whitcomb	10/21/96 Beam Tube Installation Readiness Review (IRR) Report
		10/22/96 Administrative Confidential 10/22/96 Computer Networking at the Livingston Site. J. St. S. NSE Proposal to Establish a Pagional T3 Network for a Developmental Supercomputing Contar.
	IVIAIK COIES	10/22/96 Computer Networking at the Livingston Site - LSU's NSF Proposal to Establish a Regional T3 Network for a Developmental Supercomputing Center
L960747-00-M	Syd Machkay	10/24/06 Project Control Magting Minutes for 21 October 1006
	•	10/24/96 Project Control Meeting Minutes for 21 October 1996 10/25/96 Procedure to Apply for Senior Observatory Scientist Appointment

Document No	Full Name	ContractorDocNo	Doc Dt Full Title
	Stan Whitcomb	CONTRACTORDOCINO	10/25/96 Assignment of Physics Environment Monitoring (PEM) DRR Action Items
	David Shoemaker		10/25/96 IOO DRR Document Distribution
	Phil Lindquist		10/28/96 Transmittal of LIGO Project Monthly Progress Report
-	Larry Jones		10/25/96 Spiral Weld Offset (Mismatch)
	Phil Lindquist		10/28/96 DRAFT Monthly Progress Report for Review and Comments
	Frank Conley		8/27/96 Resume for the Sr/Jr Network Administration Position
L960757-00-M	•		10/29/96 Off Campus Overhead at the LIGO Sites
L960758-00-M			11/1/96 TAMA Abstract
L960760-00-M	Barry Barrstr		10/11/96 Transmittal of Signed MOU's from the Pennsylvania State University
	Dorothy Spurlock		10/18/96 Transmittal of Signed MOU
	Frank Conley		8/26/96 Resume of Albert Allen for the Sr/Jr Network Administration Position
L960763-00-P	William Tyler		10/29/96 Temporary Storage at JPL
	Phil Lindquist		10/30/96 Draft FY 1997 Annual Work Plan for Review and Comments
L960767-00-P	'		11/13/96DRAFT FY 1997 Annual Work Plan for Construction and Related R&D
	Richard Fischer		10/29/96 Contract Procedure for HYTEC, P.O. PC185630
L960768-00-P	Irena Petrac		10/29/96 Contract Procedure for HYTEC, P.O. PC185630
L960769-00-D	Tim Melott		10/1/96 Resume of a Possible Candidate for the RCM/Field Engineer Position at Livingston - David Glen Shaw
	Tim Melott		10/8/96 Resumes of Possible Candidates for the RCM/Field Engineer Position at Livingston - Robert T. McCarthy, Jerry Hostalek
L960771-00-O	Tim Melott		10/8/96 Resume of a Possible Candidate for the RCM/Field Engineer Position at Livingston - David M. Verrill
L960772-00-O	Tim Melott		10/18/96 Resume of a Possible Candidate for the RCM/Field Engineer Position at Livingston - Donald Johnson
L960773-00-E	Hope Mokola		10/23/96 Resume for the Sr/Jr System Administration Positions - Frank Corl
L960774-00-B	Larry Jones		11/26/96 Request for Transfer of Funds
L960775-00-B	Larry Jones		12/5/96 Annual Report Submission: Beam Tube, 1996
L960776-00-P	Robert Vincent	DQA# 96-794	12/19/96 Hyspan Precision Products, Inc., Expansion Joint Spring Rate Testing, Supplement to LIGO-L960877-00-P
	Kirk J. Hazen	DQA# 90-794	12/30/96 Wire Instructions
L960778-00-A	Larry Scherr		10/14/96 Application for Optics Engineering
L960779-00-D	Gus West		11/20/96 Applications for the Systems Engineer Position - W. Baldwin, A. Mathur
L960780-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for LIGO Administration Group
L960781-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Richard Abbott
L960782-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Alex Abramovici
L960783-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Bill Althouse
L960784-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Fred Asiri
L960785-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Barry Barish
L960786-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Garilynn Billingsley
L960787-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for James Kent Blackburn
L960788-00-A	I. Baldon		12/31/961996 Travel Expense Reports for Rolf Bork
L960789-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Vladimir Braginsky
L960790-00-A	I. Baldon		12/31/96 1996 Travel Expense Reports for Jordan Camp
	Steve Robinson		9/17/96 Sales Tax Breakdown for Livingston LIGO Site
-	Steve Robinson		9/18/96 Excerpts from Board Meeting Minutes where Approval Granted for LIGO Economic Development Zone
L960793-00-P	Joanne Jaramillo		9/18/96 LIGO Inspection Flow Chart and Flow Chart for Procurement of Materials
	Gus West		9/20/96 Application for UNIX Network Administrator
	Eric Gustafson		9/9/96 Budget for LIGO-GALILEO, Attachment 1
L960796-00-P	Joanne Jaramillo		9/12/96 Revised Flow Charts
-	Gus West		9/11/96Application for Mechanical Engineer
L960798-00-A			9/11/96 Application for Laser Optics Task Leader Position
-	Gus West		9/13/96 Application for Mechanical Engineer
-	Clara E. Kuehn, J.D., Ph.D		9/5/96 Request for Tax Status Negotiations for Hanford and Livingston
L960801-00-P	Joanne Jaramillo		9/6/96 Flow Charts
			9/6/96 Tax Issue Status in Livingston and Hanford
	· · · · · · · · · · · · · · · · · · ·		8/28/96 Coil Material Bake-Out Checklist
L960803-00-B	C. Nagle		
	Diane Smith		10/20/96 Request for LIGO Adoption of Doyle Elementary School in Livingston
L960804-00-A	Diane Smith		
L960804-00-A L960805-00-B	•		8/30/96 List of Drawings for Beam Tube Deliverable from PSI
L960804-00-A L960805-00-B L960806-00-F	Diane Smith Cecil Franklin		8/30/96 List of Drawings for Beam Tube Deliverable from PSI 10/31/96 Desire to Develop Curriculum to Take Advantage of LIGO Presence in Livingston
L960804-00-A L960805-00-B L960806-00-F L960807-00-P	Diane Smith Cecil Franklin Charles Scott		8/30/96 List of Drawings for Beam Tube Deliverable from PSI 10/31/96 Desire to Develop Curriculum to Take Advantage of LIGO Presence in Livingston 8/26/96 CEBAF Specification for the Cleaning and Handling of Ultra High Vacuum Components
L960804-00-A L960805-00-B L960806-00-F	Diane Smith Cecil Franklin Charles Scott Cecil Franklin		8/30/96 List of Drawings for Beam Tube Deliverable from PSI 10/31/96 Desire to Develop Curriculum to Take Advantage of LIGO Presence in Livingston

Document No		actorDocNo Doc Dt Full Title
L960810-00-E		11/4/96 Proposed Changes for LIGO Reliability Program Plan
	Karen Sandberg	10/18/96 NSF Conditional Approval of Revised LIGO Project Management Plan, April 1996 Version
	Steve Robinson	9/30/96 Tax Rebates from State of Louisiana Department of Revenue and Taxes
L960813-00-D		9/22/96 IOO Design Phase Budget, Draft
L960814-00-M	April Burke	9/23/96 Conference Report Language on MRE Account and Gemini Tariff
L960815-00-M	John F. McDermott	9/25/96 Draft of Department of Revenue Sales Tax Exclusion Letter
L960815-01-M	John F. McDermott	9/27/96 Draft of Department of Revenue Sales Tax Exclusion Letter and Rule 1 Changes
L960816-00-A		9/26/96 Application/Resume for Laser/Optics Task Leader
L960817-00-P		9/27/96 Material Safety Data Sheet (MSDS) for Iridite 14-2
L960818-00-M		9/27/96Application
L960819-00-D	Tony J. Toledo	9/26/96 Proposed REO Catalog
L960820-00-M	Tuck Stebbins	10/31/96 NSF Proposal to design a Prototype Seismic Isolation System
L960822-00-M	Barry Barish	11/1/96 Request for NSF Concurrence of List of Nominees for the PAC
L960823-00-P	Phil Lindquist	11/5/96 DRAFT FY 1997 Annual Work Plan Budgets
L960824-00-P	Phil Lindquist	11/4/96 Proposal for MIT LIGO Participation, FY 1997 - Review and Comments
L960825-00-O	Ed Jasnow	11/4/96 Exterior Panels for LIGO - Hanford, Washington
L960827-00-M	Gary Sanders	11/7/96 Change in Status from Short-Term to Long-Term Disability
	Syd Meshkov	11/7/96 Project Control Meeting Minutes for 28 October 1996
	Donna Tomlison	11/15/96LIGO Program Advisory Committee (PAC) Meeting, 6-7 January 1996 - Announcement ONE
L960830-00-M	Donna Tomlison	11/13/96LIGO Program Advisory Committee (PAC) Membership List
L960831-00-P	Syd Meshkov	10/31/96Project Control Meeting Minutes for 28 October 1996
	Garilynn Billingsley	11/8/96REO Meeing Report for 28 October 1996
L960833-00-M	, , ,	11/13/96Official Appointment to LIGO Program Advisory Committee (PAC)
	Dr. Richard P. Seligman	11/14/96Revised FY97 Budget for a Summer 97 REU Site Program at Caltech
	Mark Coles	11/13/96Ground Settlement in Louisiana
	Syd Meshkov	11/14/96Project Control Meeting Minutes for 11 November 1996
	Dr. Richard P. Seligman	10/3/96 Submittal of Supplement Proposal Entitled: "LIGO Advanced R&D Program Proposal" to NSF
	Dr. Richard P. Seligman	11/4/96Submittal of Continuation Proposal Entitlled: "Operation and Commissioning of a Laser Interferometer Gravitational-Wave Observatory" to NSF
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L960843-00-P	Cindy Akutagawa	11/19/96 Allocation of Actual Costs - Detail Report. End of October 1996
	Cindy Akutagawa Cindy Akutagawa	11/19/96 Allocation of Actual Costs - Detail Report, End of October 1996 11/27/96 Labor Hour Reports - End of October 1996
L960844-00-P	Cindy Akutagawa	11/27/96 Labor Hour Reports - End of October 1996
L960844-00-P L960845-00-P	Cindy Akutagawa Phil Lindquist	11/27/96 Labor Hour Reports - End of October 1996 11/21/96 Transmittal of LIGO Monthly Progress Report, End of October 1996
L960844-00-P L960845-00-P	Cindy Akutagawa Phil Lindquist Stan Whitcomb	11/27/96 Labor Hour Reports - End of October 1996
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L960844-00-P L960845-00-P L960846-00-D L960847-00-P L960848-00-P L960850-00-P L960851-00-F	Cindy Akutagawa Phil Lindquist Stan Whitcomb Phil Lindquist Phil Lindquist Phil Lindquist Syd Meshkov Mark Coles	11/27/96 Labor Hour Reports - End of October 1996 11/21/96 Transmittal of LIGO Monthly Progress Report, End of October 1996 11/22/96 Detector Subsystems Requirements Review 11/22/96 Allocation of MIT Costs Invoiced Through October 1996 11/22/96 LIGO Project Performance Relative to Original Baselines 11/22/96 Transmittal of LIGO Project Continuation Proposal 11/22/96 Project Control Meeting Minutes for 18 November 1996 11/25/96 Outreach Programs - Livingston
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Document No	Full Name	ContractorDocNo	Doc Dt Full Title
L960878-00-M		CONTRACTORDOCINO	12/19/96 Transmittal of Revision A to the Summary Proposal Budget for the Visitors Program
L960879-00-F	'		12/18/96 Notes on North American Stainless - Carrollton. Kentucy
	Mark Coles		12/20/96 Transmittal of LVEA Expansion Study Transparencies
L960884-00-P			12/31/96 Project Control Meeting Minutes for 16 December 1996
L960885-00-M	· ·		8/21/96 Transmittal of Report by Panel on the Use of LIGO
L960886-00-M	•		12/3/96 Request for Evaluation of Pending Proposals
	Dr. Richard P. Seligman		12/3/96 Continuation Application for Cooperative Agreement PHY-9210038
L960888-00-P	- U	DQA# 96-366	5/8/96 Trip Report - Capital Industries Metal Fabricators, 8 May 1996
L960889-00-P		DQA# 96-403	5/28/96 Trip Report - Capital Industries Metal Fabricators, 23 May 1996
L960890-00-P		DQA# 96-426	6/7/96 Trip Report - Capital Industries Metal Fabricators, 6 June 1996
L960890-00-P		DQA# 96-428	6/10/96 Trip Report - Capital Industries Metal Fabricators, 6 June 1996 - Revision A
L960892-00-P		DQA# 96-483	7/3/96 Trip Report - Capital Industries, 2 July 1996
	Robert Vincent	DQA# 96-522	7/16/96 Trip Report - Meyer Tool and Manufacturing, 16 July 1996
L960894-00-P		DQA# 96-548	8/1/96 Trip Report - Hyspan Precision Products, 26-29 July 1996
L960895-00-P		DQA# 96-575	8/15/96 Trip Report - West Coast Porcelain, 9 August 1996 - Readiness Review
	Robert Vincent	DQA# 96-588	8/22/96 Trip Report - Hyspan Precision Products, 22 August 1996
L960897-00-P		DQA# 96-723	11/5/96 Trip Report - GNB Corporation, 31 October 1996 - Revision A
	Robert Vincent	DQA# 96-728	11/7/96 Clarification of GNB Trip Report (LIGO-L960897-00-P)
	Robert Vincent	DQA# 96-766	11/26/96 Trip Report - GNB Corporation, 25 November 1996
L96099-00-P	Robert vincent	DQA# 90-700	2/24/96 Gravity Wave Observatory Searches Heavens - Article from Progress '96: Science/Energy
L960901-00-A	Ron Lucas		8/6/96 Hazard Report 2
	Claude Canizares		12/27/96 MIT Progress on Staffing and Relocation
L960903-00-M			1/31/96 LIGO Project Weekly Reports, JANUARY 1996
L960904-01-M	•		3/31/96 LIGO Project Weekly Reports, MARCH 1996
L960904-03-M	•		8/31/96 LIGO Project Weekly Reports, AUGUST 1996
L960904-09-M	•		9/30/96 LIGO Project Weekly Reports, SEPTEMBER 1996
L960906-00-D	•		11/20/96 Application for the Systems Engineer Position - B. Siegel
L960907-00-D			11/20/96 Resume of Paul G. Kabot
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1 060008 00 D	Michael Smith		
	Michael Smith		10/10/96 Follow-up Letter to Interview
L960909-00-A	California Institute of Tech.		10/10/96 Follow-up Letter to Interview 12/31/96 Fax Activity Reports for LIGO - 1996
L960909-00-A L960910-00-A	California Institute of Tech. California Institute of Tech.		10/10/96 Follow-up Letter to Interview 12/31/96 Fax Activity Reports for LIGO - 1996 1/31/96 Fax Transmission Reports for LIGO - January 1996
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L960937-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Doug Jungwirth
L960938-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Seiji Kawamura
L960939-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Bill Kells
L960940-00-A		12/31/96 1996 Travel Expense Reports for Andy Kuhnert
L960941-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Albert Lazzarini
L960942-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Phil Lindquist
L960943-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Sander Liu
L960944-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Tina Lowenthal
L960945-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Ben Lucas
L960946-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Sandra MacSween
L960947-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Otto Matherny
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L960950-00-A		12/31/96 1996 Travel Expense Reports for Dale Ouimette
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L960957-00-A		12/31/96 1996 Travel Expense Reports for Rick Savage
L960958-00-A	1.5.11	12/31/961996 Travel Expense Reports for Allen Sibley
L960959-00-A	I. Baldon	12/31/96 1996 Travel Expense Reports for Lisa Sievers
L960960-00-A		12/31/96 1996 Travel Expense Reports for Robert Spero
L960961-00-A		12/31/96 1996 Travel Expense Reports for Gerry Stapfer
L960962-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for Bill Tyler
L960963-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for Bob Vincent
L960964-00-A		12/31/96 1996 Travel Expense Records for Brent Ware
L960965-00-A		12/31/96 1996 Travel Expense Records for Stan Whitcomb
L960966-00-A		12/31/96 1996 Travel Expense Records for John Worden
L960967-00-A		12/31/96 1996 Travel Expense Records for Hiro Yamamoto
L960968-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for Job Candidates
L960969-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for General Visitors
L960970-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for Invitees to Winter Physics Conference in Aspen, CO
L960971-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for LRC General Membership Meeting
L960972-00-A	I. Baldon	12/31/96 1996 Travel Expense Records for LIGO PPAC Meetings
L960973-00-P	Rita Torres	12/31/96 Chronological Files for Project Controls - 1996
L960974-00-D	Mark Abrams	12/9/96 Resume of Mark Abrams for the Systems Engineer Position
L960975-00-D	Karthik Naidu	12/9/96 Resume of Karthik Naidu
L960977-00-O		12/3/96 Newspaper Article - "Observatory Specifications Require Precision-Built Foundation"
-	Jim Hough	12/2/96 Letter of Reference for Dietmar Schnier
L960979-00-M		10/15/96 Request for LIGO Information
	I. Baldon	12/31/96 1996 Travel Expense Reports - Students
	Mark Coles	2/7/96 Strategy to Minimize Beam Tube Risk
L960982-00-M		2/20/96 Information on LISA Presentation
	David Shoemaker	8/14/96 ASC DRR II Document Distribution.
L969975-00-E		3/5/96 Transmittal of L950073-00-E
L970001-00-M		1/6/97 Plan for Creating LIGO Scientific Collaboration
L970001-00-M	1	1/6/97 Plan for Creating LIGO Scientific Collaboration
L970002-00-M	1	1/2/97 LIGO Staff Review of Advanced R & D Proposals
L970002-00-M	1	1/2/97 LIGO Staff Review of Advanced R & D Proposals
L970003-00-M	1	1/2/97 Forming the LIGO Scientific Collaboration
L970003-00-M	-	1/2/97 Forming the LIGO Scientific Collaboration
	Joanne Jaramillo	12/31/96 Thermal "Shock" Test of Two Porcelain Coated Serrated Baffles
L970004-00-F		1/7/97 Request to Borrow the Pellissier Level Gauge at Hanford Site
	Donna Tomlison	1/10/97 Thank You's for Participation in PAC Meeting of 6-7 January 1997 and Presentation Materials
F810000-00-D	Seiji Kawamura	1/9/97 Requirements of the SOS Suspension Driver

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L970007-00-M	April Burke	1/5/97 Office of Inspector General, National Science Foundation - Semiannual Report to the Congress - Report Item on Sales Tax
L970008-00-V	John Worden	1/7/97 Agreements and Commitments with PSI
L970009-00-V	John Worden	1/13/97 Agreements and Commitments with PSI: Proposed Acceptance Testing of Installed Equipment
L970011-00-V	John Worden	2/14/97 Contract Changes with PSI
L970013-00-D	Craig Conley	1/10/97 Supplementary Information for Retaining Ring Design
L970014-00-M	Stan Whitcomb	1/15/97 Second Annual Progress Report for NSF Grant PHY-9503642 and Request for Third Year Funding
L970015-00-D	Stan Whitcomb	1/15/97 Assignment of Input Optics DRR Action Items
L970016-00-P	Phil Lindquist	1/15/97 Property Management
L970017-00-D	Stan Whitcomb	1/15/97 Review Board Charter and Document Transmittal for the PEM Preliminary Design Review (PDR)
L970019-00-M	Gary Sanders	1/17/97 Relocation of LIGO Personnel Out of State
L970021-00-M	Stan Whitcomb	1/17/96 Request for Letters of Recommendation for Dr. Yucong Zhu
L970022-00-F	Mark Coles	1/11/97 Beam Tube Bakeout Design Requirements Review Committee Report
L970024-00-P	Syd Meshkov	1/20/97 Project Control Meeting Minutes for 13 January 1997
L970025-00-M		1/17/97 Permission to Use Excerpts from "The Astronomers" from KCET
L970028-00-D	Alex Marin	1/19/97 LIGO Detector Subsystem Review Report - Design Requirements Review (DRR), Physics Environment Monitoring (PEM), Action Item Responses
L970028-00-D	David Shoemaker	1/19/97 LIGO Detector Subsystem Review Report - Design Requirements Review (DRR), Physics Environment Monitoring (PEM), Action Item Responses
L970029-00-P	Phil Lindquist	1/22/97 DRAFT FY 1996 Annual Report
L970029-01-P	Phil Lindquist	1/23/97 Second DRAFT FY 1996 Annual Report, Sections 2.1 - 2.6
L970030-00-P	Syd Meshkov	1/22/97 Project Control Meeting Minutes for 20 January 1997
L970032-00-P	Cindy Akutagawa	1/24/97 Allocation of Actual Costs - Detail Report, End of December 1996
L970033-00-P	Cindy Akutagawa	1/24/97 Labor Hour Reports - End of December 1997
L970036-00-D	Craig Conley	2/24/97 Order Approval - Retaining Rings
L970037-00-D	Robbie Vogt	1/27/97 Announcement of Summer Work Experience for REU Program and SURF Program
L970038-00-D	Dennis Coyne	1/27/97 PEM PDR and PEM/DAQ DRR Document Transmittal
L970039-00-M	Barry Barish	1/27/97 LIGO Program Advisory Committee (PAC) Charge for NSF Concurrence
L970041-00-P	Robert Vincent	DQA #97-28 1/22/97 Trip Report - Hyspan Precision Products, Inc, 21 January 1997
L970042-00-E	Kent Blackburn	1/27/97 Internal Modes of Testmasses
L970043-00-M	Barry Barish	1/28/97 Review Comments of R&D Proposals
L970044-00-M	Barry Barish	1/29/97 Invitation for Russian Scientists Visit
L970046-00-P	Dennis Coyne	1/31/97 Project Control Meeting Minutes for 27 January 1997
L970047-00-P	Cindy Akutagawa	2/24/97 Labor Hour Reports - End of January 1997
L970048-00-P	Cindy Akutagawa	2/28/97 Allocation of Actual Costs - Detail Report, End January 1997
L970049-00-M	Tom Everhart	2/25/97 Invitation to Serve on Oversight Committee for LIGO
L970050-00-P	Phil Lindquist	3/4/97 Allocation of MIT Costs Invoiced through January 1997
	Bob Vincent	3/4/97 Trip Report - Hyspan Precision Products, Inc - 28 February 1997
	Ben Lucas	2/5/97 Safety Site Audit at the LIGO Hanford Construction Site
L970056-A-E	Albert Lazzarini	2/4/97 Data Communications Networking in Louisiana and Livingston Site
L970057-00-P		2/7/97 Transmittal of Monthly Progress Report for December 1996 to NSF
L970059-00-P	Phil Lindquist	2/7/97 DRAFT End of December 1996 Monthly Report
L970060-01-M	· ·	1/31/97 LIGO Project Weekly Reports, JANUARY 1997
	California Institute of Tech.	3/31/97 LIGO Project Weekly Reports, MARCH 1997
L970060-04-M		4/30/97 LIGO Project Weekly Reports - APRIL 1997
L970060-05-M	-	5/31/97 LIGO Project Weekly Reports - MAY 1997
L970060-06-M		6/30/97 LIGO Project Weekly Reports, JUNE 1997
L970060-07-M	*	7/31/97 LIGO Project Weekly Reports - JULY 1997
	Dennis Coyne	2/10/97 Specification Guidance for Seismic Component Cleaning, Baking and Shipping Preparation
L970061-01-D	· · · · · · · · · · · · · · · · · · ·	2/10/97 Specification Guidance for Seismic Component Cleaning, Baking and Shipping Preparation
	Phil Lindquist	2/7/97 Change Requests CR-970001 and CR-970002
	Cindy Akutagawa	2/25/97 LIGO Project Signature Authority - Update
	Rick Savage	2/13/97 Witnessing of Air Handler Fan Tests
	Stan Whitcomb	2/12/97 Review Board Charter and Document Transmittal for the ASC Preliminary Design Review (PDR)
	Phil Lindquist	2/12/97 Change Requests CR-970003, Air Handling Duct Cleaning Process and Specification
	Phil Lindquist	2/13/97 Allocation of MIT Costs Invoiced through December 1996
	Syd Meshkov	2/13/97 Project Control Meeting Minutes for 10 February 1997
	Stan Whitcomb	2/14/97 Review Board Charter for the SEI Preliminary Design Review (PDR)
	Phil Lindquist	2/17/97 LIGO Change Control Board (CCB) Meeting Minutes for 13 February 1997
L970073-00-D	Fred Raab	2/17/97 Distribution for Comment of Draft Paper for Manuscript Submittal

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L970077-00-D Dennis Coyne 2/19/97 Document Transmittal for the Alignment Sensing and Control (ASC) Preliminary Design Review (PDR) L970078-00-P Syd Meshkov 2/20/97 Project Control Meeting Minutes for 17 February 1997 L970083-00-P Dennis Coyne 2/20/97 Document Transmittal for the Seismic Isolation System (SEI) Preliminary Design Review (PDR) L970083-00-P William Tyler 2/27/97 Extension of Temporary Storage at JPL L970085-00-D Seiji Kawamura 4/3/97 Submission of Subscription L970086-00-P Bob Vincent DQA #97-81 2/21/97 Tip Report - GNB Corporation, 20 February 1997 L970087-00-P Syd Meshkov 2/28/97 Project Control Meeting Minutes for 24 February 1997 L970088-00-P Phil Lindquist 4/3/97 Revised LIGO FY 1997 Advanced Detector R & D Program Proposal (PHY97-00601) L970090-00-P Phil Lindquist 3/5/97 Transmittal of Manuscript Article L970090-00-P Phil Lindquist 3/7/97 Performance Evaluation for Felix Fernandez L970095-00-P Cindy Akutagawa 3/18/97 Labor Hour Reports, End of FEBRUARY 1997 L970086-00-P Cindy Akutagawa 3/18/97 Labor Hour Reports, End of FEBRUARY 1997	
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L970096-00-P Cindy Akutagawa 3/18/97 Labor Hour Reports, End of FEBRUARY 1997	
L970097-01-M Syd Meshkov 1/1/97 Latest from LIGO - LIGO Newsletter, JANUARY 1997	
L970097-03-M California Institute of Tech. 3/31/97 Latest from LIGO - LIGO Newsletter, MARCH 1997	
L970097-04-M 4/1/97 Latest from LIGO - LIGO Newsletter, APRIL 1997	
L970097-05-M California Institute of Tech. 5/1/97 Latest from LIGO - LIGO Newsletter, MAY 1997	
L970098-00-P Phil Lindquist 3/12/97 FT 1997 Visitor's Program Proposal Budget Justification	
L970100-00-O Lisa Brown 3/6/97 LIGO Facility, Reverse Osmosis Discharge Into Septic System	
L970101-00-O Lisa Brown 3/6/97 LIGO Facility Pressure Distribution Systems, Plans and Design Calculations	
L970103-00-B Larry Jones 3/19/97 Request for Change Order #7 for Contract PC181520 with CBI	
L970103-A-B Larry Jones 3/19/97 Request for Change Order #7 for CBI Contract, P.O. PC181520	
L970106-A-E Kent Blackburn 3/24/97 Summary of Meetings with Benoit Mour (VIRGO) on Frame Library	
L970107-00-D David Shoemaker 3/28/97 COS DRR Document Distribution	
L970108-00-E John Klohoker 6/16/97 Lightwave Electronics Laser Reliability Plan dated 6 June 1997	
L970109-00-B Larry Jones 3/13/97 Rebaselining Required for Beam Tube Contract	
L970115-00-D Stan Whitcomb 3/14/97 Design Requirements Review (DRR) for Core Optics Support	
L970116-00-P Syd Meshkov 3/17/97 Project Control Meeting Minutes for 10 March 1997	
L970119-00-P Phil Lindquist 3/19/97 Change Request CR-970007 - Beam Tube Contractor Labor Rate Adjustment	
L970120-00-P Rita Torres 3/19/97 Meeting Minutes of 19 March 1997 re. LIGO Account Codes	
L970120-00-P Tina Lowenthal 3/19/97 Meeting Minutes of 19 March 1997 re. LIGO Account Codes	
L970121-00-D Stan Whitcomb 3/20/97 Administrative Confidential	
L970122-00-P Syd Meshkov 3/21/97 Project Control Meeting Minutes for 17 March 1997	
L970123-00-P Phil Lindquist 3/21/97 Change Request CR-970008 for Cement Treatment of Berm, Livingston Site	
L970124-00-P Phil Lindquist 3/21/97 Meeting Scheduled for CR-970009 - Core Optics Components and CR-970010 - Input/Output Optics	
L970133-00-L Gerry Stapfer 7/7/97 LIGO Access Road Meeting Minutes, 2 July 997	
L970135-00-L Gerry Stapfer 7/10/97 LIGO Access Road	
L970136-00-L Gerry Stapfer 7/14/97 Thanks and Commendation for Hensel Phelps 2/05/07/DRAFT First Outstan FV 4007 Report	
L970151-00-P Phil Lindquist 3/25/97 DRAFT First Quarter FY 1997 Report	
L970162-00-A Beth Moore 3/26/97 Transmittal of MOU and Attachment 1	
L970163-00-P Phil Lindquist 3/26/97 LIGO Change Control Board (CCB) Meeting Minutes for 25 March 1997 L970164-02-P Bill Althouse 4/9/97 Procedure for Release of Controlled Drawings and Specifications	
U I	
L970165-00-A California Institute of Tech. 12/31/97 Fax Activity Reports for LIGO - 1997 L970166-00-A California Institute of Tech. 1/31/97 Fax Transmission Reports for LIGO - January 1997	
L970167-00-A California Institute of Tech. 2/28/97 Fax Transmission Reports for LIGO - February 1997 L970168-00-A California Institute of Tech. 3/30/97 Fax Transmission Reports for LIGO - March 1997	
L970169-00-A California Institute of Tech. 3/30/97 Fax Transmission Reports for LIGO - March 1997 L970169-00-A California Institute of Tech. 4/30/97 Fax Transmission Reports for LIGO - April 1997	
L970170-00-A California Institute of Tech. 5/31/97 Fax Transmission Reports for LIGO - May 1997 L970171-00-A California Institute of Tech. 6/30/97 FAX Transmission Reports for LIGO - June 1997	
L970171-00-A California Institute of Tech. 6/30/97 FAX Transmission Reports for LIGO - June 1997 L970172-00-A California Institute of Tech. 7/31/97 FAX Transmission Reports for LIGO - July 1997	
L970178-00-P Syd Meshkov 4/4/97 Project Control Meeting Minutes for 31 March 1997	
L970178-00-P Syd Meshkov 4/4/97 Project Control Meeting Minutes for 31 March 1997 L970179-00-M Beth Moore 4/10/97 Administrative Confidential	
L970181-00-V John Worden 4/24/97 PSI Electrical 1,970182,00 V John Worden 5/20/07 Cate Valve End Effects During Roke	
L970182-00-V John Worden 5/20/97 Gate Valve End Effects During Bake L970191-00-P Syd Meshkov 4/11/97 Project Control Meeting Minutes for 7 April 1997	
L970191-00-P Syd Meshkov 4/11/97 Project Control Meeting Minutes for 7 April 1997	

	Document No	Full Name	ContractorDocNo	Doc Dt Full Title
1,000 1,00	L970192-00-E	Bill Baldwin		4/10/97 Livingston Stub-Ups for Interrack Communications
	L970194-00-E	Mark Coles		4/14/97 Transmittal of Outreach Center Design Requirements Document
4000 1000	L970195-00-P	Cindy Akutagawa		4/17/97 Allocation of Actual Costs - Detail Report, End of March 1997
Art Oxford and Districtions in the Notice of the State	L970196-00-P	Bill Althouse		4/16/97 Part Numbers and Serialization of Detector Hardware
Activity	L970198-00-P	Phil Lindquist		4/29/97 Transmittal of Monthly Progress Report for MARCH 1997
1970-1970 1970	L970199-00-F	Mark Coles		4/17/97 CV and Publications List for Appointment as Adjunct Professor at LSU
1975-1970	L970200-00-O	Fred Asiri		4/18/97 Geotechnical Investigation of the Berm Under the Beam Tube Enclosure Slab
Marcases 10 Jan See Server	L970201-00-D	Stan Whitcomb		4/24/97 Lightwave Preliminary Design Review (PDR) Agenda
	L970205-00-D	V. Loriette		4/18/97 Test Results and Description of Measurement of Absorption Factors
APPENDED Sec Name	L970206-00-M	Dr. David Berley		4/23/97 Role Galileo EFT will Play in LIGO Program
1870-11.00 Lary Janesa	L970209-00-O	P.W. Kruger	97-)SH-101	4/17/97 Hanford Site Project Safety Complaint
167012-1670 Power Elements 16709-16700 16709-1670	L970210-00-D	Alex Marin		4/29/97 Preliminary Results Obtained with the Hamamatsu InGaAs Photo-Diodes and Request for Additional Information
1979-1970 M	L970211-00-F	Larry Jones		3/3/97 Proposed BT/VE Monitoring Tasks - Site Transition
	L970212-00-M	Robert Eisenstein	PHY96-03177	5/1/97 Official Notification of Grant Award for LIGO Visitor's Program
1972-25-05 Colly Assurance 1972-25-05 Act	L970213-00-M			4/13/97 Agenda for NSF Review of LIGO Project at the Hanford Site
Accordance Acc	L970214-00-O			3/25/97 Newspaper Article - Rep. Baker Urges Funding for Scientific Learning Project
1970-1970-1971 1970-1970-1971 1970-1970-1970-1970 1970-1970-1970-1970-1970 1970-1970-1970-1970-1970-1970-1970-1970-	L970215-00-P	Cindy Akutagawa		4/25/97 Labor Hour Reports - End of MARCH 1997
197012-00-P Includes 4/2897 Accession of Mil Costs Included Brough March 1987 197022-00-M 197022-00-M 197022-00-M 19702-00-M 19702-0	L970216-00-B			4/25/97 Upcoming LIGO Visit at Hanford
1970-19 De A. Syst Methins	L970217-00-F	Mark Coles		4/29/97 Transmittal of Presentation Transparencies
597925-0046 Say Sandes	L970218-00-P	Phil Lindquist		4/28/97 Allocation of MIT Costs Invoiced through March 1997
197022-00-15 Mark Coles	L970219-00-A	Syd Meshkov		4/25/97 Transmittal of Attachment 2 to MOU Between University of Colorado and LIGO
\$170224-00-1 Agr Sanders	L970220-00-M	Gary Sanders		5/6/97 Administrative Confidential
1879224-00-16	L970221-00-F	Mark Coles		5/7/97 Education Outreach Opportunities for Louisiana
1970224-00-F Mark Coles	L970222-00-M	Gary Sanders		5/16/97 Administrative Confidential
59987 LIGO Coluboration in Louiseana 1970226-00 F	L970223-00-M	Gary Sanders		5/16/97 Administrative Confidential
1970/229-00-00 Risk Storage 5-11/297 Spoolifications for Lightwee 10-W Laser 1970/229-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/29-00-14 1970/	L970224-00-F	Mark Coles		5/10/97 Transmittal of Viewgraphs
1570228-00-M Belt Moore	L970225-00-F	Mark Coles		5/9/97 LIGO Collaboration in Louisiana
1970229-00-A Beth Moore	L970226-00-D	Rick Savage		5/12/97 Specifications for Lightwave 10-W Laser
1970234-00-14 Beth Moore	L970228-00-M	Don Hartill		5/8/97 Transmittal of Review Report of the NSF Review Committee for 15-17 April 1997 Review
197023-00-P Phil Lindquist 4/18/97 Projects Control Meeting Minutes for 14 April 1997 197023-00-D Phil Lindquist 4/21/97 Free Meeting Or Popil Committee 4/21/97 Free Meeting Minutes for 21 April 1997 4/21/97 Free Meeting Minutes for 21 April 1	L970229-00-A	Beth Moore		5/12/97 Transmittal of Memorandum of Understanding (MOU)
197023-00-P Phil Lindquist	L970230-00-A	Beth Moore		5/12/97 Transmittal of Attachment #1 to Memorandum of Understanding (MOU) between the MGWG and the LIGO Project
1970239-00-N Stan Whitcomb	L970231-00-P	Syd Meshkov		4/18/97 Project Control Meeting Minutes for 14 April 1997
L97023-00-W Deep	L970232-00-P	Phil Lindquist		4/21/97 For Review, CR-970011-Beam Tube, WA Module End Conditions
\$27023-00-M Beth Moore	L970233-00-D	Stan Whitcomb		4/21/97 Preliminary Design Review (PDR) for Lightwave 10 W Laser
E970234-00-M Seth Moore 5/2/97 Administrative Confidential 1970234-00-M Ill Indiquist 4/22/97 Administrative Confidential 1970234-00-M Seth Moore 5/2/97 Administrative Confidential 1970234-00-M Seth Moore 5/2/97 Administrative Confidential 1970234-00-M Seth Moore 5/2/97 Administrative Confidential 1970234-00-M Seth Moore	L970234-00-M	Oversight Committee		4/22/97 Report of LIGO Oversight Committee Meeting of 7 April 1997
September Phil Lindquist 4/22/97 DRAFT End of March Monthly Progress Report	L970235-00-M	Beth Moore		5/2/97 Administrative Confidential
L970238-00-M Beth Moore 5/2/97 Administrative Confidential 5/2/97 Administrative Confidential 4/25/97 For Review: CR-970012, Beam Tube-Changeout of Contaminated Gate Valve; CR-970013, Beam Tube, Additional Cleaning of Modules X1/X2; CR-970014, Civil Construction-Storage Building for Livingston 4/28/97 Special Visitor Pass 5/19/97 Distribution of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor Pass 5/19/97 Distribution of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor Pass 4/28/97 Special Visitor Pass 5/18/97 Second of Dial Guage Measurements 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting 4/28/97 Special Visitor Pass 4/28/97 Allocation of Actual Costs - Detail Report, End of April 1997 Special Visitor Pass 4/28/97 Allocation of Actual Costs - Detail Report, End of April 1997 Special Visitor Pass 4/28/97 Allocation of Actual Costs - Deta	L970236-00-M	Beth Moore		5/2/97 Administrative Confidential
L970239-00-P Phil Lindquist 4/25/97 For Review: CR-970012, Beam Tube-Changeout of Contaminated Gate Valve; CR-970013, Beam Tube, Additional Cleaning of Modules X1/X2; CR-970014, Civil Construction-Storage Building for Livingston	L970237-00-P	Phil Lindquist		4/22/97 DRAFT End of March Monthly Progress Report
L970240-00-P Syd Meshkov 4/28/97 Project Control Meeting Minutes for 21 April 1997 L970242-00-P Phil Lindquist 4/28/97 Transmittal of MoU between the University of Oregon Relativity Group (UORG) and LIGO along with Attachments 1 and 2 L970243-00-A Syd Meshkov 4/25/97 Transmittal of MoU between the University of Oregon Relativity Group (UORG) and LIGO along with Attachments 1 and 2 L970245-00-P Ed Jasnow 5/19/97 Distribution of CR-970015 - Beam Tube, Baffles Changeover to Bright Annealed Steel, for CCB Meeting L970245-0-E Albert Lazzarini 4/22/97 Endorsement of Proposal by the Unversity of Wisconsin-Milwaukee Relativity Group L970247-00-P Bill Althouse 5/8/97 Record of Dial Guage Measurements L970248-00-M Dr. David Berley 4/23/97 Review of Role for Stanford University for the Engineering Test Facility (ETF) L970249-00-P Cindy Akutagawa 5/14/97 Allocation of Actual Costs - Detail Report, End of April 1997 L970250-00-M Robert Vincent DQA#97-212 5/16/97 Trip Report - GNB Corporation, 14 May 1997 L970250-00-M Corright Committee 5/29/97 Report of LIGO Oversight Committee Meeting of 12 May 1997 L970254-00-A Beth Moore 5/27/97 Move of LIGO Project Mail Stop L970255-00-M Donna Tomlison 6/3/97 Participation in Science Talk Series L970255-00-M Beth Moore 6/10/97 Administrative Confidential L970258-00-O Fred Asiri 6/10/97 Modification to ACME's Contract, P.O. PC189539	L970238-00-M	Beth Moore		5/2/97 Administrative Confidential
L970243-00-P Phil Lindquist	L970239-00-P	Phil Lindquist		4/25/97 For Review: CR-970012, Beam Tube-Changeout of Contaminated Gate Valve; CR-970013, Beam Tube, Additional Cleaning of Modules X1/X2; CR-970014, Civil Construction-Storage Building for Livingston
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L970253-00-P Cindy Akutagawa 5/22/97 Labor Hour Reports - Through the End of April 1997 L970254-00-A Beth Moore 5/27/97 Move of LIGO Project Mail Stop L970255-00-M Donna Tomlison 6/3/97 Participation in Science Talk Series L970257-00-M Beth Moore 6/12/97 Administrative Confidential L970258-00-O Fred Asiri 6/10/97 Modification to ACME's Contract, P.O. PC189539	L970250-00-M	Robert Vincent	DQA#97-212	5/16/97 Trip Report - GNB Corporation, 14 May 1997
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L970255-00-MDonna Tomlison6/3/97 Participation in Science Talk SeriesL970257-00-MBeth Moore6/12/97 Administrative ConfidentialL970258-00-OFred Asiri6/10/97 Modification to ACME's Contract, P.O. PC189539	L970253-00-P	Cindy Akutagawa		5/22/97 Labor Hour Reports - Through the End of April 1997
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L970258-00-O Fred Asiri 6/10/97 Modification to ACME's Contract, P.O. PC189539	L970255-00-M	Donna Tomlison		6/3/97 Participation in Science Talk Series
	L970257-00-M	Beth Moore		6/12/97 Administrative Confidential
L970259-00-D Rick Savage 6/12/97 Application for Visa for Visit to the Russian Federation	L970258-00-O	Fred Asiri		6/10/97 Modification to ACME's Contract, P.O. PC189539
	L970259-00-D	Rick Savage		6/12/97 Application for Visa for Visit to the Russian Federation
L970260-00-M Beth Moore 6/12/97 Administrative Confidential	L970260-00-M	Beth Moore		6/12/97 Administrative Confidential

Document No	Full Name	ContractorDocNo Doc Dt Full Title
L970261-00-P	Phil Lindquist	5/13/97 LIGO Change Control Board (CCB) Meeting Minutes for 29 April 1997
L970262-00-P	Phil Lindquist	5/13/97 Provision of Change Requests for Review (CR-970016, CR-970017, CR-970018)
L970264-00-P	Syd Meshkov	5/14/97 Project Control Meeting Minutes for 5 May 1997
L970265-00-O	Richard M. Benson	3/25/97 Final Inspection of LIGO Warehouse Gravity On-Site Sewage System at Hanford
L970267-00-P	Syd Meshkov	5/16/97 Project Controls Meeting Minutes for 12 May 1997
L970268-00-M	Robert L. Byer	4/28/97 Galileo's Current and Proposed Work Projects for the Engineering Test Facility (ETF)
L970269-00-D	Lee Cardenas	1/11/97 Resume of Lee Cardenas
L970270-00-P	Phil Lindquist	5/20/97 Distribution of CR-970019 an CR-970020 for Information
L970271-00-R	Paul Kabot	5/21/97 Request for Quote (RFQ) on BSC Optical Plate
L970272-00-R	Paul Kabot	5/21/97 Request for Quote (RFQ) on BSC Optical Plate
L970273-00-C	Jay Heefner	5/20/97 Request for Quotation (RFQ) for 25 VMEbus Mainframes
L970274-00-P	Irena Petrac	5/22/97 Return of Misdirected Invoice from ANU
L970277-00-M	Barry Barish	6/6/97 Rejection of Applicant for Position
L970279-00-P	Syd Meshkov	5/29/97 Project Control Meeting Minutes for 19 May 1997
L970280-00-P	Phil Lindquist	6/4/97 Transmittal of LIGO Project Monthly Progress Report, DRAFT
L970281-00-P	Phil Lindquist	5/30/97 LIGO Change Control Board (CCB) Meeting Minutes for 29 May 1997
L970283-00-M	Gary Sanders	6/2/97 Administrative Confidential
L970284-00-O	Lisa Brown	5/30/97 Department of Health Approval of 3,000 GPD Sewage System and Construction Report for large On-Site Sewage Systems
L970285-00-P	Phil Lindquist	6/2/97 CR-970022, CR-970023, CR-970024 for Review and Information
L970286-00-D	Rick Savage	6/3/97 Application for Visa to Russian Federation
L970287-00-D	Stan Whitcomb	6/4/97 Lightwave Change Order for Review
L970288-00-P	Phil Lindquist	6/4/97 DRAFT End of April Monthly Progress Report for Review
L970289-00-P	Phil Lindquist	6/5/97 LIGO Change Control Board (CCB) Meeting Minutes, 5 June 1997
L970290-00-P	Phil Lindquist	6/5/97 Change Request CR-970021 - Beam Tube Bakeout
L970291-00-M	Barry Barish	6/16/97 MIT Progress Update
L970292-00-P	Phil Lindquist	7/1/97 Administrative Confidential
L970293-00-E	Craig Conley	6/2/97 Core Optic Component (COC) Carrier Issues
L970294-00-M	Claude Canizares	5/27/97 Update on Issues Raised by NSF MIT Review in 1996
L970295-00-M	Michele Armstrong	5/27/97 A Proposal to the NSF - An Engineering Test Facility Vacuum System for Testing & Rapid Prototyping in Support of Interferometric Gravitational Wave Detector Research
L970296-00-M	Gary Sanders	6/18/97 Information Regarding Simmons J. Barry & Associates Surveying Contract
L970297-00-A	Beth Moore	6/11/97 Notification of Relocations/New Hires
L970298-00-P	Cindy Akutagawa	6/13/97 Allocation of Actual Costs - Detail Report, End of May 1997
L970299-00-P	Cindy Akutagawa	6/23/97 Labor Hour Reports through 6 June 1997
L970300-00-A	Beth Moore	6/12/97 Undergraduate Wage Rates for Academic Year 1997/1998
L970301-00-P	Syd Meshkov	6/16/97 Project Control Meeting Minutes for 9 June 1997
	Stan Whitcomb	6/19/97 Design Requirements Review (DRR) for Nd:YAG Prestabilized Laser
L970304-00-M	·	6/18/97 Administrative Confidential
L970305-00-M	•	6/18/97 Administrative Confidential
	Stan Whitcomb	6/19/97 Procurement Plan for Spphire Test Masses
	Stan Whitcomb	7/2/97 Review Board Charge for the Small Optics Suspension (SOS) Final Design Review (FDR)
	Donna Tomlison	6/20/97 Request for Completed Travel Request Form from Peter Michelson
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	Syd Meshkov	6/20/97 Project Control Meeting Minutes for 16 June 1997
L970310-00-P	Phil Lindquist	6/25/97 Review and Comments Requested for Second Quarter FY 1997 Report
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1970446-00-D Stan Whitcomb	
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L970482-00-D Garilynn Billingsley 8/4/97 CSIRO In-Process Review	
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M870001-00-M Rai Weiss 12/1/87 Caltech/MIT Project for a Laser Interferometer Gravitational Wave Observatory - Renewal Proposal to the National Science Foundation (NSF)	
M880001-00-M 6/14/88 LIGO Design Handbook	
M890001-00-M Robbie Vogt 12/1/89 Proposal to the NSF for a LIGO	

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M890002-00-M		1/1/89 Quarterly Report for NSF - OCTOBER-DECEMBER 1988
M890003-00-M		4/1/89 Quarterly Report for NSF - JANUARY-MARCH 1989
M890004-00-M	9	7/1/89 Quarterly Report for NSF - APRIL-JUNE 1989
M890005-00-M		10/1/89 Quarterly Report for NSF - JULY-SEPTEMBER 1989
M890006-00-M	•	2/3/89 Operations Scenario, Preliminary Draft
M890007-00-M		5/18/89LIGO Science Team Workplan
M890008-00-M		10/31/89 Continuation Proposal for NSF Grant #PHY-8803557 - Continued Prototype Research & Development and Planning for the Caltech/MIT Laser Gravitational Wave Detector
M900001-00-M	•	3/5/90 Configuration Management Plan (old LIGO # 1100001)
M900002-00-M		1/1/90 Quarterly Report for NSF - OCTOBER-DECEMBER 1989
M900003-00-M		4/1/90 Quarterly Report for NSF - JANUARY-MARCH 1990
M900003 00 M		7/1/90 Quarterly Report for NSF - APRIL-JUNE 1990
M900005-00-M	•	10/1/90 Quarterly Report for NSF - JULY-SEPTEMBER 1990
M900046-01-F	ressic vegt	9/8/95 LIGO Project System Safety Management Plan, DRAFT
M900046-02-F		9/15/95 LIGO Project System Safety Management Plan, DRAFT
M900046-03-F		9/29/95 LIGO Project System Safety Management Plan, DRAFT
M900046-04-F	Ben Lucas	10/6/95 PROJECT SYSTEM SAFETY PLAN COMPLETED, DRAFT, Version 4
M910001-00-M		1/1/91 Quarterly Report for NSF - OCTOBER-DECEMBER 1990
M910002-00-M	9	4/1/91 Quarterly Report for NSF - JANUARY-MARCH 1991
M910003-00-M		7/1/91 Quarterly Report for NSF - APRIL-JUNE 1991
M910004-00-M		10/1/91 Quarterly Report for NSF - JULY-SEPTEMBER 1991
M920001-00-M		1/1/92 Quarterly Report for NSF - OCTOBER-DECEMBER 1991
M920002-00-M		4/1/92 Quarterly Report for NSF - JANUARY-MARCH 1992
M920003-00-M		6/24/92 Quarterly Report for NSF - APRIL-JUNE 1992
M920004-00-M		9/1/92 Quarterly Report for NSF - JULY-AUGUST 1992
M920005-00-M	•	12/1/92 Quarterly Report for NSF - SEPTEMBER-NOVEMBER 1992
M920006-00-M	•	10/1/92 Annual Report
M930001-00-M	1.000.00 1.091	8/26/93 Memorandum of Understanding (MOU) between NSF and the DOE for the Sitting, Construction, Operation, and Disposition of the Laser Interferometer Gravitational-Wave Observatory (LIGO) at Hanford
M930002-00-M	Robbie Voat	3/1/93 Quarterly Report for NSF - DECMBER 1992 through FEBRUARY 1993
M930003-00-M	9	6/1/93 Quarterly Report for NSF - MARCH through MAY 1993
M930004-00-M		9/1/93 Quarterly Report for NSF - JUNE through AUGUST 1993
M930005-00-M		12/1/93 Quarterly Report for NSF - SEPTEMBER through NOVEMBER 1993
M940001-00-M	•	12/16/94LIGO Project Signature Authority
M940002-00-P	•	9/1/94 Quarterly Report for NSF Cooperative Agreement #PHY-9210038
M940003-00-M	•	12/19/94LIGO Project Travel Policy
M940004-00-M	Barry Barish	12/22/94Annual Work Plan - FY95
M940005-B-D	,	1/1/94LIGO Detector Construction Phase Implementation Plan, Rev. B
	LIGO Detector Group	5/10/95 LIGO Detector Workbook (Construction Phase Implementation Plan)
M940006-00-P	,	9/1/94LIGO Cost Book
M940007-00-M		10/27/94Baseline-1, DRAFT (old #LIGO-1001055)
M940008-00-P		9/1/94LIGO Summary Book
M940009-00-M	Gary Sanders	9/12/94LIGO Cost Estimating Plan, DRAFT (old LIGO #1001058)
M940010-00-M		11/14/94LIGO Cost and Schedule Summary - Operations, dated November 1994
M940011-00-M	Gary Sanders	11/1/94A LIGO Science Education Program, DRAFT
M940012-00-R	McMaster-Carr Supp. Co.	9/12/94
M940013-00-M	NSF Review Committee	10/11/94 Review of the Cost, Schedule and Management of the LIGO for the NSF
M940014-00-B	Bill Althouse	1/6/94 LIGO Beam Tube Modules Contract, Preliminary Design Review - Review Board Report
M940015-00-P	U.S. Cost, Incorporated	7/22/94 Baseline Translation from Spreadsheets
M940016-00-M	Stan Whitcomb	3/1/94 Quarterly Report for NSF - DECEMBER 1993 through FEBRUARY 1994
M950001-13-M		2/1/95 LIGO Project Management Plan, DRAFT, Revision B
M950001-A-M	Gary Sanders	10/1/95 LIGO Project Management Plan, Revision A, dated October 1995
M950001-B-M	Gary Sanders	4/1/96 LIGO Project Management Plan, Revision B, dated April 1996
M950002-00-P	Linda Turner	2/15/95 CDRL Numbering Scheme
M950003-00-P	Phil Lindquist	1/1/95 Annual Report 1994 for NSF Cooperative Agreement #PHY-9210038
M950004-00-P	Phil Lindquist	2/2/95 LIGO Project Monthly Progress Report, December 1994
M950005-00-P	Phil Lindquist	2/3/95 LIGO Configuration Management Plan
M950006-00-P	Linda Turner	2/15/95 LIGO Start-Up Procedures for Incoming and Outgoing Documentation
M950007-00-M	Phil Lindquist	2/22/95 LIGO Project Monthly Progress Report, January 1995
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
M950007-04-P		6/15/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End May 1996.
M950008-00-D		1/23/95 CES Project Control
M950009-00-U	U	2/27/95 Notice of increased funding for LIGO
M950010-00-O		3/2/95 Federal Register notice requesting comments on the LIGO Louisiana EA
M950011-00-P		3/28/95 Quarterly Report for NSF Cooperative Agreement #PHY-9210038, DRAFT
M950011-A-P	'	3/29/95 Quarterly Report for NSF Cooperative Agreement #PHY-9210038, FINAL
M950012-00-P		3/28/95 Monthly Progress Report - February 1995, DRAFT
M950013-00-P	Linda Turner	3/30/95 Document Flow with The Ralph M. Parsons Company
M950014-02-U		2/3/95 Core Optics Components FY 95 Statement of Work
M950014-03-U		2/3/95 Core Optics Components FY 95 Statement of Work
M950015-00-P	-	4/20/95 Electronic Filing into the Document Control Center (DCC)
M950016-00-P		4/24/95 Draft Monthly Progress Report (end of March 1995)
M950016-A-P	-	4/24/96 LIGO Monthly Progress Report, End of March 1995
M950017-00-P	·	4/24/95 Actual Costs and Commitments through March 1995, Table
M950018-00-P	-	5/8/95 Work Breakdown Structure Dictionary, DRAFT
M950019-00-M	· · · · · · · · · · · · · · · · · · ·	Memorandum of Understanding Between Caltech Relativity Theory Group and LIGO
M950020-00-M	*	5/11/95 LIGO Operations, 1997-2001
M950020-01-M	•	8/4/95 LIGO Operations, 1997-2001
M950020-01-M	•	8/4/95 LIGO Operations, 1997-2001
M950021-00-M	•	5/11/95 LIGO Project Management Control System Description
M950022-00-D		5/10/95 LIGO Detector Group - Prestabilized Laser Subsystem Documentation Package
M950023-00-R		5/11/95 LIGO R&D Group - R&D Highlights
M950024-00-P	Phil Lindquist	6/1/95 Monthy Progress Report, April 1995
M950025-00-M	Barry Barish	6/1/95 Memorandum of Understanding (MOU) between Australian Consortium for Interferometric Gravitational Astronomy (ACIGA) and LIGO
M950026-00-M	•	6/1/95 Attachment 1 to Memorandum of Understanding (MOU) between ACIGA and LIGO
M950027-00-M		
M950028-00-P	·	6/22/95 LIGO Project Quarterly Status Report
M950029-00-M	Gary Sanders	6/29/95
M950030-00-M	McMaster-Carr Supp. Co.	6/8/95
M950031-00-M	McMaster-Carr Supp. Co.	2/9/95
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
M950056-A-C		9/28/95 Temporary Operational Safety Plan for Prototype PSL Operations
M950057-00-M		9/29/95 Memorandum of Understanding between the Department of Physics and Astronomy (DPA) and the Center for Advanced Microstructures and Devices (CAMD) of the Louisiana State University (LSU) and the LIGO Project
M950058-00-M	•	9/29/95 Attachment 1 - Memorandum of Understanding (MOU) between LSU and LIGO
M950059-00-M		9/29/95 Memorandum of Understanding between LSU-ERG and LIGO
M950060-00-M		10/3/95 Memorandum of Understanding between Galileo at Stanford Unversity and LIGO
M950060-A-M		11/1/95 Memorandum of Understanding Between the GALILEO Program at Stanford University and the LIGO Project.
M950060-A-M		11/1/95 Memorandum of Understanding Between the GALILEO Program at Stanford University and the LIGO Project.
M950061-00-M	•	11/1/95 Memorandum of Understanding (MOU) between the University of Wisconsin - Milwaukee Relativity Group (UWMRG) and the LIGO Project
M950062-00-M	Joel E. Tohline	7/11/95 LIGO Livingston Site Project Support Proposal
M950062-00-M	Volker Saile	7/11/95 LIGO Livingston Site Project Support Proposal
M950063-00-P	Phil Lindquist	10/23/95 Monthly Progress Report, September 1995
M950064-00-P	Phil Lindquist	11/1/95 Monthly Progress Report, October 1995
M950065-00-E	Albert Lazzarini	11/8/95 LIGO Policy on the Use of Home Computers to Perform Work for LIGO
M950067-00-M	Jean Siomkos	11/3/95 Proprietary Information Non-Disclosure Agreement between CIT and HDOS
M950068-00-A	Nanette Founds	11/8/95 Pantex Plant Site-Wide Environmental Impact Statement (SWEIS)
M950069-00-P	Phil Lindquist	11/21/95 LIGO Continuation Proposal for Cooperative Agreement PHY-9210038
M950070-00-D	Robbie Vogt	11/30/95 1995 Annual Report Input - Detector Group
M950071-00-B	Larry Jones	12/5/95 Risk Assessment for the Beam Tube Contract with CBI (LIGO-C951080-00-B)
M950071-00-B		12/5/95 Risk Assessment for the Beam Tube Contract with CBI (LIGO-C951080-00-B)
M950072-00-M	NSF Review Committee	11/21/95 Review Report of the NSF Review Committee for the LIGO for 9-11 October 1995 Review
M950073-00-M	Syd Meshkov	12/20/95 Memorandum of Understanding (MOU) between the Michigan Gravity Wave Group (MGWG) in the Department of Physics of the University of Michigan and the LIGO Project
M950074-00-M		11/15/95 SI (Metric) Orientation Guide for LIGO Project
M950075-00-M		10/2/95 JPL Task Plan for the Safety, Reliability and Quality Assurance Support for the Caltech LIGO Project
M950075-01-M		12/1/95 JPL Task Plan for the Safety, Reliability and Quality Assurance Support for the Caltech LIGO Project, Revision A
M950075-A-M	John Schlue	1/31/96 JPL Task Plan for the Safety, Reliability and Quality Assurance Support for the LIGO Project
M950076-00-P	<u>'</u>	12/1/95 Annual Report (December 1994 - November 1995) for LIGO
M950080-04-P		5/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End April 1995.
M950080-05-P		6/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End May 1995.
M950080-06-P		7/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End June 1995.
M950080-07-P		8/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End July 1995.
M950080-08-P		9/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End August 1995.
M950080-09-P		10/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End September 1995.
M950080-10-P M950080-11-P		11/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End October 1995. 12/15/95 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End November 1995.
M950080-11-P M950080-12-P		1/15/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End November 1995. 1/15/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End December, 1996.
M950082-04-P		5/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End April 1995.
M950082-04-P		6/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End May 1995.
M950082-06-P		7/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End June 1995.
M950082-00-I		8/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End July 1995.
M950082-08-P		9/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End August 1995.
M950082-09-P		10/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End September 1995.
M950082-10-P		11/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End October 1992.
M950082-11-P		12/15/95 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End November 1995.
M950082-12-P		1/15/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End December 1995.
M950083-04-P		5/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End April 1995.
M950083-05-P		6/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End May 1995.
M950083-06-P	Felix Fernandez	7/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End June 1995.
M950083-07-P	Felix Fernandez	8/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End July 1995.
M950083-08-P	Felix Fernandez	9/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End August 1995.
M950083-09-P	Felix Fernandez	10/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End September 1995.
M950083-10-P	Felix Fernandez	11/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End October 1995.
M950083-11-P	Felix Fernandez	12/15/95 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End November 1995.
M950083-12-P	Felix Fernandez	1/15/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End December 1995.
M950086-04-P	John Guerrero	5/15/95 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End APRIL 1995
M950086-05-P	John Guerrero	6/15/95 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End MAY 1995
M950086-08-P	John Guerrero	9/15/95 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End AUGUST 1995
M950086-10-P	John Guerrero	11/15/95 Monthly Progress Report - WBS 1.2, Detector Group - Month End OCTOBER 1995
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M950086-12-P	1	1/15/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End DECEMBER 1995	
M950087-04-P	John Guerrero	5/15/95 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End APRIL 1995	
M950087-06-P	John Guerrero	7/15/95 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End JUNE 1995	
M950087-08-P	John Guerrero	9/15/95 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End AUGUST 1995	
M950087-10-P	John Guerrero	11/15/95LIGO Monthly Progress Report - WBS 1.3, R & D - Month End OCTOBER 1995	
M950088-00-M	Barry Barish	8/1/95 Memorandum of Understanding between the Center for Gravitational Physics and Geometry (CGPG) of the Pennsylvania State University and the LIGO Project	
M950089-00-M	Barry Barish	8/1/95 Attachment 1 to the Memorandum of Understanding (MOU) between the Center for Gravitational Physics and Geometry (CGPG) of the Pennsylvania State University and the LIGO Project	
M952000-00-R	Nergis Mavalvala	5/15/95 Progress Report for Interferometer Alignment - R&D, April 1995	
M952001-00-D	David Shoemaker	5/19/95 Monthly Report for ASC Detector Subsystem, WBS 1.2.1.1.6 - April 1995	
M952002-00-M	Mike Zucker	MIT LIGO Project Global Functions	
M952002-03-M	Mike Zucker	5/30/97 Current MIT Group Member Roles Within the LIGO Project	
M952003-00-M	Rai Weiss	The LIGO Project and Industry	
M952004-00-R	Nergis Mavalvala	6/9/95 Progress Report for Interferometer Alignment - R&D, May 1995	
M952005-00-M	Peter Fritschel	6/9/95 Progress Report for the Phase Noise Interferometer (PNI), May 1995	
M952006-00-D	David Shoemaker	6/12/95 Progress Report on Detector Alignment Task	
M952007-00-M	Peter Fritschel	6/15/95 April/May Report on the LSC Task	
M960001-A-P	Ben Lucas	3/25/96 LIGO Laser Safety Program	
M960002-00-M		1/17/96 Washington Department of Revenue Tax Meeting, 17 January 1996	
M960003-00-M	,	1/22/96 Steve Vass Support for Ron Drever	
M960004-00-P	<u>'</u>	2/2/96 Monthly Progress Report for December 1995	
M960005-00-D		1/30/96 Weekly Detector Management Meeting Minutes for 30 January 1996	
M960006-00-D		2/6/96 Weekly Detector Management Meeting Minutes for 6 February 1996	
M960007-00-P		2/15/96LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End January 1996.	
M960007-01-P		3/15/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End February 1996.	
M960007-02-P		4/19/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - End of MARCH 1996	
M960007-03-P		5/7/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End APRIL 1996	
M960007-04-P		6/7/96 Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End May 1996	
M960007-05-P		7/11/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End June 1996	
M960007-06-P		8/9/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End July 1996	
M960007-07-P M960007-08-P		9/11/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End AUGUST 1996 10/16/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End September 1996	
M960007-09-P		11/12/96LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End October 1996	
M960007-10-P		12/12/96 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End November 1996	-
M960007-11-P		1/14/97 LIGO Monthly Progress Report - WBS 1.0, Construction Phase Summary - Month End December 1996	
M960008-00-P		2/15/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End January 1996.	-
M960008-01-P		4/5/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End FEBRUARY 1996	-
M960008-02-P		4/19/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End MARCH 1996	
M960008-03-P		5/7/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End APRIL 1996	
M960008-04-P	Felix Fernandez	6/7/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End May 1996	
M960008-05-P	Felix Fernandez	7/11/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End June 1996	
M960008-06-P	Felix Fernandez	8/9/96 LIGO Monthly Progress Report - WBS, 1.1, Facilities and Vacuum Equipment - Month End July 1996	
M960008-07-P	Felix Fernandez	9/11/96LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End AUGUST 1996	
M960008-08-P	Felix Fernandez	10/16/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End September 1996	
M960008-09-P	Felix Fernandez	11/12/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment	
M960008-10-P	Felix Fernandez	12/12/96 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End November 1996	
M960008-11-P	Felix Fernandez	1/14/97 LIGO Monthly Progress Report - WBS 1.1, Facilities and Vacuum Equipment - Month End December 1996	
M960009-00-P	John Guerrero	2/15/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End JANUARY 1996	
M960009-01-P		2/16/96 Monthly Progress Report - WBS 1.2, Detector - Month End January 1996	
M960009-02-P		4/15/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End MARCH 1996	
M960009-03-P		5/15/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End APRIL 1996	
M960009-04-P		6/11/96 Monthly Progress Report, Integrated Cost & Schedule Data - WBS 1.2, Detector - Month End May 1996	
M960009-05-P		7/15/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End JUNE 1996	
M960009-06-P		9/23/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End JULY 1996	
M960009-07-P		9/23/96 LIGO Monthly Progress Report - WBS 1.2, Detector - Month End AUGUST 1996	
M960009-10-P		12/12/96LIGO Monthly Progress Report - WBS 1.2, Detector - Month End November 1996	
M960010-00-P		2/15/96LIGO Monthly Progress Report - WBS 1.3, R & D - Month End JANUARY 1996	
M960010-01-P	John Guerrero	3/15/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End FEBRUARY 1996	

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M960010-02-P		4/15/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End MARCH 1996
M960010-03-P		5/15/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End APRIL 1996
M960010-04-P		6/15/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End MAY 1996
M960010-05-P	John Guerrero	7/15/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End JUNE 1996
M960010-06-P	John Guerrero	8/12/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End JULY 1996
M960010-07-P	John Guerrero	9/23/96 LIGO Monthly Progress Report - WBS 1.3, R & D - Month End AUGUST 1996
M960011-00-P	Felix Fernandez	2/1/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End January 1996.
M960011-01-P	Felix Fernandez	3/15/96 Monthly Progress Report - WBS 1.4, Project Office - Month End February 1996
M960011-02-P	Felix Fernandez	4/19/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End MARCH 1996
M960011-03-P	Felix Fernandez	5/7/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End APRIL 1996
M960011-04-P	Felix Fernandez	6/7/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End May 1996
M960011-05-P	Felix Fernandez	7/11/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End June 1996
M960011-06-P	Felix Fernandez	8/9/96 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End July 1996
M960011-07-P	Felix Fernandez	9/11/96LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End AUGUST 1996
	Felix Fernandez	10/16/96LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End September 1996
	Felix Fernandez	11/12/96LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End October 1996
M960011-10-P		12/12/96LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End November 1996
M960011-11-P		1/14/97 LIGO Monthly Progress Report - WBS 1.4, Project Office - Month End December 1996
M960013-00-F		2/12/96 Memorandum of Understanding
M960014-00-D		2/13/96 Weekly Detector Management Meeting Minutes of 13 February 1996
M960015-00-D		2/20/96 Weekly Detector Management Meeting Minutes - February 20, 1996
M960016-00-D		2/27/96 Weekly Detector Management Meeting Minutes - February 27, 1996
M960017-00-D		3/5/96 Weekly Detector Management Meeting Minutes for 5 March 1996
M960018-00-P		2/28/96 Monthly Progress Report, JANUARY 1996
M960021-00-P		3/6/96 Request for Extension for Period of Performance for REU Funds Awarded in Change Order 6 to NSF Cooperative Agreement PHY-9210038
M960022-00-P		3/8/96 Document/Drawing Transmittal Procedure
	Larry Jones	5/1/95 Beam Tube Qualification Test - Review Board Report
M960024-00-P		3/28/96 Quarterly Report (December 1995 - February 1996), dated March 1996, DRAFT
M960025-00-R	i iii Liiuquist	1/31/96Annual Report for NSF Grant AST-9417371 for Relativistic Astrophysics, May 1, 1994 January 31, 1996
M960025-00-R		1/31/96Annual Progress Report for NSF Grant PHY-9424337 for Gravitational Radiation, September 4, 1994 January 31, 1996
M960030-00-P	Phil Lindquist	4/26/96 Monthly Progress Report (End of March 1996) The Construction, Operation, and Supporting Research and Development of a Laser Interferometer Gravitational-Wave Observatory (LIGO)
M960030-00-P	-	4/26/96 Monthly Progress Report (End of March 1996) The Construction, Operation, and Supporting Research and Development of a Laser Interferometer Gravitational-Wave Observatory (LIGO)
M960031-00-D		4/17/96 Weekly Detector Management Meeting Minutes - April 2, 1996
M960032-00-D		4/17/96 Weekly Detector Management Meeting Minutes - April 16, 1996
M960033-00-D		4/23/96Weekly Detector Management Meeting Minutes - April 03, 1996
	NSF Review Committee	5/7/96 Final MIT/LIGO Report - For Oversight Committee Meeting, 14 May 1996
M960037-00-P		5/31/96 Monthly Progress Report (End of April 1996) The Construction, Operation, and Supporting Research and Development of a Laser Interferometer Gravitational-Wave Observatory(LIGO)
M960037-00-P	·	5/31/96 Monthly Progress Report (End of April 1996) The Construction, Operation, and Supporting Research and Development of a Laser Interferometer Gravitational-Wave Observatory(LIGO)
M960037-00-P		5/26/96LIGO Detector Subsystem Review Report - Design Requirements Review, Seismic Isolation
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M960038-00-D M960038-00-D		5/26/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Seismic Isolation
		5/26/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Seismic Isolation
	David Shoemaker	5/26/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Seismic Isolation
M960038-00-D		5/26/96 LIGO Detector Subsystem Review Report - Design Requirements Review, Seismic Isolation
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	NSF Review Committee	5/3/96 Review Report of the NSF Review Committee for the LIGO, 9-11 April 1996
M960041-00-D		6/3/96 Weekly Detector Management Meeting Minutes - May 7 , 1996
M960042-00-D		6/3/96 Weekly Detector Management Meeting Minutes - May 25, 1996
M960043-00-D		6/4/96 Weekly Detector Management Meeting Minutes - June 4, 1996
M960044-00-D		6/11/96 Weekly Detector Management Meeting Minutes - June 12, 1996
M960047-00-D	Richard Fischer	7/9/96 Weekly Detector Management Meeting Minutes - 10 July 1996

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M960048-00-D	Richard Fischer	8/12/96 Weekly Detector Management Meeting Minutes - 6 August 1996.
	Richard Fischer	8/14/96Weekly Detector Management Meeting Minutes - August 13, 1996.
M960051-A-M	CIT LIGO Personnal	6/15/96 Letter of Intent for a Research and Development Program for Advanced LIGO Detectors by the LIGO MIT/Caltech Groups
M960051-A-M	MIT LIGO Personnal	6/15/96 Letter of Intent for a Research and Development Program for Advanced LIGO Detectors by the LIGO MIT/Caltech Groups
M960052-00-M	Richard Isaacson	6/7/96 Input Request for Proposal from Gustafson and Riles Requesting NSF Support
M960053-00-M		1/17/96 Proposal to the NSF for Gravity Wave Detection and Astrophysics
M960054-00-M	Barry Barish	5/29/96LIGO Visitors Program Proposal
M960054-00-M	Gary Sanders	5/29/96LIGO Visitors Program Proposal
M960055-00-P	Phil Lindquist	6/29/96 Quarterly Report (March 1996 - May 1996), dated June 1996
M960057-00-M	Barry Barish	6/26/96MIT Response to NSF Review Committee Report
M960058-00-M	Gary Sanders	7/12/96 Record of Decision on the Beam Tube "Mini-Bake" Activity
M960058-00-M	Barry Barish	7/12/96 Record of Decision on the Beam Tube "Mini-Bake" Activity
M960059-00-P	Ed Chargois	6/27/96 LIGO Database Proposal
M960061-00-M	Barry Barish	11/1/96 Memorandum of Understanding (MOU) between University of Wisconsin - Milwaukee Relativity Group (UWMRG) and the LIGO Project
M960071-00-M	Barry Barish	10/1/96 Memorandum of Understanding (MOU) between University of Florida Physics Department LIGO Group (UFLG) and the LIGO Project
M960072-00-M	Barry Barish	10/1/96 Attachments 1 and 2 to Memorandum of Understanding (LIGO-M960071-00-M) between the University of Florida Physics Department LIGO Group (UFLG) and the LIGO Project
M960073-00-M	Barry Barish	10/1/96 Memorandum of Understanding (MOU) between Eastern Michigan University (EMU) and the LIGO Project
M960074-00-M	Barry Barish	10/1/96 Attachment 1 to the Memorandum of Understanding (LIGO-M960073-00-M) between Eastern Michigan University (EMU) and the LIGO Project
M960075-00-P	Phil Lindquist	7/26/96 Monthly Progress Report, JUNE 1996
M960076-00-P	William Tyler	8/20/96LIGO Quality Assurance Plan, DRAFT
M960076-A-P	William Tyler	12/31/96 LIGO Project Quality Assurance Plan, December 1996
M960077-00-M	David Tanner	7/19/96 Draft of Memorandum of Understanding(MOU) Between the University of Florida and the LIGO Project
M960078-00-M	Boyce McDaniel	7/26/96 Report of the NSF Panel on the Use of the LIGO
M960079-00-P	Phil Lindquist	8/26/96 LIGO Project Monthly Progress Report, End of July 1996
M960080-00-P	Karen Dombrowski	8/28/96 Satellite Purchasing Program
M960082-00-M	Barry Barish	9/15/96 Memorandum of Understanding (MOU) Between the Center for Gravitational Physics and Geometry (CGPG) of the Pennsylvania State University and the LIGO Project
M960083-00-M	Barry Barish	9/15/96 Attachment 1 to Memorandum of Understanding (MOU) (LIGO-M96082-00-M) between the Center for Gravitational Physics and Geometry (CGPG) of the Pennsylvania State University and the LIGO Project
M960084-00-P	Phil Lindquist	9/23/96 LIGO Quarterly Progress Report (June 1996 through August 1996)
M960085-00-M	David Shoemaker	9/30/96 Proposal for MIT LIGO Participation, FY 1997
M960086-00-M	Robbie Vogt	9/9/96 Proposal for the Caltech/LIGO Research Experience for Undergraduates (REU) Site
M960087-00-D	Richard Fischer	9/17/96 Weekly Detector Management Meeting Minutes for 27 August 1996
M960088-00-D	Richard Fischer	9/17/96 Weekly Detector Management Meeting Minutes for 17 September 1996
M960089-00-M	Barry Barish	10/3/96 Proposal for a Research and Development Program for Advanced LIGO Detectors by the LIGO MIT/Caltech Groups - Submitted to NSF
M960089-00-M	•	10/3/96 Proposal for a Research and Development Program for Advanced LIGO Detectors by the LIGO MIT/Caltech Groups - Submitted to NSF
M960090-00-M	Barry Barish	9/1/96 Attachment 1 to Memorandum of Understanding (MOU) (LIGO-M950060-A-M) between the GALILEO Program at Stanford University and the LIGO Project
M960091-00-M	Phil Lindquist	9/26/96 Annual Work Plan - The Construction, Operation, and Supporting Research and Development of A LIGO (First Year Budget for the Supplement for Installation, Commissioning and Operations)
	Richard Fischer	9/26/96 Weekly Detector Management Meeting Minutes for 24 September 1996
M960093-00-P		8/13/96 LIGO Project: Software Assurance Plan
M960093-00-P		8/13/96 LIGO Project: Software Assurance Plan
M960095-00-M	•	9/30/96 Official Invitation to Participate in NSF Technical Review of LIGO, 22-24 October 1996
M960096-00-M	•	9/30/96 Los Alamos Experimental Nuclear Physics Program - the DoE Review of the Program, 25-27 September 1996
	Richard Fischer	10/1/96 Weekly Detector Meeting Minutes for 1 October 1996
-	Dr. David Berley	5/3/96 Draft Charge for the Panel on the Use of the LIGO
M960100-00-C	*	10/7/96 EV Suspension Controller Power Supply Failure
M960109-00-M		5/7/96 Report of the NSF Review Committee for the MIT Component of LIGO
M960110-00-P		10/30/96 Annual Work Plan - Sixth Year Budget (December 1, 1996 through November 30, 1997), dated October 1996
M960114-00-R		8/12/96 Statement of Work: Replacement of Vertex Masses at 40M
M960115-00-R		11/14/96 Statement of Work: Installation of Side Chamber and Reconfiguration of Associated Optics at the 40m
M960116-00-P		10/26/96 Monthly Progress Report, End of September 1996
M960117-00-M	,	10/8/96 A Supplemental Proposal for the GALILEO Program for a Collaboration with LIGO On Advanced Interferometer Development
M960118-00-P		8/27/96 Surveillance Procedure for Baking the Coil Material
	Richard Fischer	11/5/96 Weekly Detector Management Meeting Minutes of 5 November 1996
M960121-00-D	· ·	12/9/96 Weekly Detector Management Meeting Minju
M960127-00-D	•	11/19/96 Weekly Detector Management Meeting Minutes for 12 November 1996
M960128-00-P		11/21/96 LIGO Monthly Progress Report, End of October 1996
	Joanne Jaramillo	11/24/96 Quality Assurance Instruction for Incoming Inspection of LIGO Mirror Blank Material
M960129-A-P	Steve Elleson	12/11/96 Quality Assurance Instruction - Incoming Inspection of LIGO Core Optics Blank Material

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M960131-00-D	Fred Raab		12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
M960131-00-D	Peter Fritschel		12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
M960131-00-D			12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
M960131-00-D			12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
	David Shoemaker		12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
M960131-00-D			12/16/96LIGO Detector Subsystem Review Report - Design Requirements Review for Input Optics Subsystem
M960133-00-D	*		3/22/95 Proposal for Development of Ultra Low Frequency Pre-Isolators Suitable for LIGO, DRAFT
	National Science Foundation		11/15/96 Review Report of the NSF Review Committee for the Interferometer Gravitational Wave Observatory (LIGO), 22-24 October 1996
-	Robert Holkeboer	97-22116	10/11/96 Proposal to the NSF - RUI: Nondestsructive Evaluation of Large Aeprture Optics with Ultra-Low Optical Absorption, Submitted by Eastern Michigan University
-	Guenakh Mitselmakher	97-22114	10/3/96 Proposal to the NSF - Gravitational Waves and Their Detection: Research in LIGO, Submitted by University of Florida
M960136-00-M		97-22114	10/3/96 Proposal to the NSF - Gravitational Waves and Their Detection: Research in LIGO, Submitted by University of Florida
M960136-00-M	•	97-22114	10/3/96 Proposal to the NSF - Gravitational Waves and Their Detection: Research in LIGO, Submitted by University of Florida
M960136-00-M		97-22114	10/3/96 Proposal to the NSF - Gravitational Waves and Their Detection: Research in LIGO, Submitted by University of Florida
M960137-00-M		97-22119	10/7/96 Proposal to the NSF - Supplemental Proposal for the Galileo Program fro Collaboration with LIGO on Advanced Interferometer Development, Submitted by Standford University
	Robin T. Stebbins	97-22210	10/10/96 Proposal to the NSF - Development of an Active Seismic Isolation Prototype for Gravitational Wave Interferometers, Submitted by University of Colorado
M960138-00-M		97-22210	10/10/96 Proposal to the NSF - Development of an Active Seismic Isolation Prototype for Gravitational Wave Interferometers, Submitted by University of Colorado
-	Dr. James Faller	97-22210	10/10/96Proposal to the NSF - Development of an Active Seismic Isolation Prototype for Gravitational Wave Interferometers, Submitted by University of Colorado
M960139-00-M		97-22112	10/10/96 Proposal to the NSF - Development of Laser Interferometer Gravity-Wave Detectors, and Related Investigations in Experimental Gravity and Gravitational Radiation
M960140-00-P	Kon Brever	37-22112	5/1/96 LIGO/Washington Offsite Acquisition Program
M960141-00-R			12/18/96Proposal for a Thermal Noise Interferometer
	Vladimir Braginsky		12/31/96Moscow State University (MSU) 1996 Annual Report - Suspensions and Suspension Noise for LIGO Test Masses
	National Science Foundation		7/26/96 Final NSF Panel Report for the Use of LIGO
			2/2/96 Caltech Chemical Hygiene Plan
	California Institute of Tech.		70
M960681-00-D	'		9/18/96LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
-	David Shoemaker		9/18/96LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
M960681-00-D			9/18/96LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
M960681-00-D	•		9/18/96LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
M960681-00-D	· ·		9/18/96LIGO Detector Subsystem Review Report - Design Requirements Review, Alignment Sensing/Control
M970001-01-M	'		3/3/97 Revised Proposal for a Research and Development Program for Advanced Detectors by the LIGO MIT/Caltech Groups - FY 1997 Proposal Budget (LIGO-M960089-00-M)
M970004-00-M	,		1/3/97 Transmittal of Naitonal Science Foundation (NSF) Final Project Report, Award #9528300
M970005-00-P	'		1/14/97 Request for NSF Review and Approval for Change Order 12 for P.O. PP045667 with MIT
M970006-00-R	•		1/16/97 Statement of Work: RGA Scan of the Sensor/Actuator Head Components
	Yehuda Kommemi		1/16/97 Statement of Work: RGA Scan of the Sensor/Actuator Head Components
M970007-00-P	'		2/11/97 Annual Report (December 1995 through November 1996)
M970007-01-P	'		2/13/97 Annual Report (December 1995 through November 1996)
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M970010-00-M			3/15/97 Attachment 1 to the Memorandum of Understanding (MOU) (LIGO-M970009-00-M) between the TAMA Project, Japan and the LIGO Project
M970010-00-M	,		3/15/97 Attachment 1 to the Memorandum of Understanding (MOU) (LIGO-M970009-00-M) between the TAMA Project, Japan and the LIGO Project
M970011-A-R			5/20/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advanced R & D
M970011-A-R			5/20/97MIT LIGO Group Transition Plan and Facility Upgrade for Advanced R & D
	David Shoemaker		5/20/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advanced R & D
M970011-A-R			5/20/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advanced R & D
M970011-B-R			5/30/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advance R&D
M970011-B-R			5/30/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advance R&D
M970011-B-R			5/30/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advance R&D
	David Shoemaker		5/30/97 MIT LIGO Group Transition Plan and Facility Upgrade for Advance R&D
M970013-00-D	Hiro Yamamoto		5/5/97 A Proposal for the First Experiment for Validation of the 40m End-to-End Model
	Malik Rakhmanov		5/5/97 A Proposal for the First Experiment for Validation of the 40m End-to-End Model
M970014-00-M	NSF Review Committee		5/8/97 Review Report of the NSF Review Committee for the LIGO, 15-17 April 1997
M970017-00-P	Phil Lindquist		2/7/97 Monthly Progress Report, End of December 1996
M970017-01-P	Phil Lindquist		3/6/97 Monthly Progress Report, December 1996
M970020-00-M	Barry Barish		3/1/97 Memorandum of Understanding (MOU) between the Collaboration of the Russian Research Institutes (CRRI) and LIGO
M970021-00-M	Barry Barish		3/1/97 Attachment 1 to MOU between CRRI and LIGO
M970022-02-M	Barry Barish		3/1/97 LIGO Scientific Collaboration Formation Plan, Draft 2
M970022-02-M	Gary Sanders		3/1/97 LIGO Scientific Collaboration Formation Plan, Draft 2
M970022-03-M	Barry Barish		6/4/97 LIGO Scientific Collaboration Formation Plan
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	P950011-03-R	Joseph Giaime	4/30/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO

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	Denise Durance	4/30/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
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P950011-03-R		4/30/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Fred Raab	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Rick Savage	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	David Shoemaker	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Robert Spero	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Aaron Gillespie	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Robbie Vogt	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Rai Weiss	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Stan Whitcomb	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Mike Zucker	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Lisa Sievers	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
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-	Torrey Lyons	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	A. Kuhnert	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Seiji Kawamura	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Jordan Camp	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
	Denise Durance	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
-	Joseph Giaime	8/5/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO
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P950012-00-R		8/17/95 A Sagnac Interferometer for Gravitational Wave Detection
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P960011-03-R P960011-03-R P960011-03-R	David Shoemaker Denise Durance Seiji Kawamura		4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT
P960011-03-R P960011-03-R P960011-03-R P960011-03-R	David Shoemaker Denise Durance Seiji Kawamura Aaron Gillespie		4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT
P960011-03-R P960011-03-R P960011-03-R P960011-03-R P960011-03-R	David Shoemaker Denise Durance Seiji Kawamura Aaron Gillespie Joseph Giaime		4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT
P960011-03-R P960011-03-R P960011-03-R P960011-03-R P960011-03-R P960011-03-R	David Shoemaker Denise Durance Seiji Kawamura Aaron Gillespie Joseph Giaime Bill Althouse		4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT 4/8/96 Improved Sensitivity in a Gravitational Wave Interferometer and Implications for LIGO - PREPRINT
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	Kent Blackburn		10/4/96 The LIGO Project
P960031-B-E	Kent Blackburn		10/23/96 The Laser Interferometer Gravitational Wave Observatory (LIGO) Project
P960031-C-E	Kent Blackburn		1/28/97 The Laser Interferometer Gravitational Wave Observatory Project - LIGO
P960032-00-M			9/18/96LIGO Fact Sheet
P960033-00-M	Kimberly New		8/1/96 Gravitational Radiation From and Instabilities in Compact Stars and Compact Binary Systems
P960034-00-R	Partha Saha		6/1/95 Fast Estimation of Transverse Fields in High Finesse Optical Cavities
P960035-00-I	Torrey Lyons		8/19/96 An Optically Recombined Laser Interferometer for Gravitational Wave Detection
P960036-00-D			8/20/96 Surface Thermal Lensing Technique - A Tool for Studying Contamination Effects on Optical Components
P960037-20-D	Seiji Kawamura		3/3/97 Investigation of Violin Mode Q for Wires of Various Materials
P960038-00-O			10/6/96 Gravity Wave Research Facility Under Construction/LIGO Could Back Research at LSU (articles from the Sunday Advocate, Baton Rouge, LA)
P960039-00-B			10/28/96 LIGO Tube Fabrications Begins at Big Pasco
P960041-02-R	Seiji Kawamura		12/20/96 Recent Research on the LIGO 40m Interferometer
P960042-00-D	Seiji Kawamura		12/26/96 Development of Laser Interferometers for Gravitational Wave Detection: Abstract and Summary
P960044-00-D	Brett Bochner		1/21/97 Optics Development for LIGO
P960044-00-D	Partha Saha		1/21/97 Optics Development for LIGO
P960044-00-D	Yaron Hefetz		1/21/97 Optics Development for LIGO
P960044-00-D	Rai Weiss		1/21/97 Optics Development for LIGO
P960044-00-D	Hiro Yamamoto		1/21/97 Optics Development for LIGO
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P960044-00-D			1/21/97 Optics Development for LIGO
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	Garilynn Billingsley		1/21/97 Optics Development for LIGO
P960044-00-D			1/21/97 Optics Development for LIGO
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P970002-00-E			2/14/97 Modeling LIGO Data Analysis
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P970005-00-R			4/10/97 Recent Research with the LIGO Phase Noise Interferometer
	David Shoemaker		4/10/97 Recent Research with the LIGO Phase Noise Interferometer
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	Gabriella Gonzalez		4/10/97 Recent Research with the LIGO Phase Noise Interferometer 4/10/97 Recent Research with the LIGO Phase Noise Interferometer
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	Nergis Mavalvala		1/1/97 Alignment Issues in Laser Interferometric Gravitational-Wave Detectors
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P970015-00-O			6/2/97 Livingston's Economy on Fast Track
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P970037-19-D	•		2/13/97 Investigation of Violin Mode Q for Wires of Various Materials
T820001-00-R	,	QAP-648	10/1/82 Interferometric Detectors for Gravitational Radiation
T840001-00-R		5.3	8/21/84 Laser Interferometric Sensing Techniques for Very Small DisplacementsWith Applications to Gravitational Radiation Detectors
T840001-00-R			8/21/84 Laser Interferometric Sensing Techniques for Very Small DisplacementsWith Applications to Gravitational Radiation Detectors
	Alex Abramovici		6/12/85 Experimental Test of a Prototype Graviational Radiation Detector Employing an Active Cavity Laser Sensor
T870001-00-U	McMaster-Carr Supp. Co.		9/10/87
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T870002-00-O	Robert Spero	TR-87-1	8/24/87 Final Report of the LIGO Site Selection Working Group
T870002-00-O	K. Thorne	TR-87-1	8/24/87 Final Report of the LIGO Site Selection Working Group
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T870004-00-R	Jeffrey Clark Livas		1/1/87 Broadband Search Techniques for Periodic Sources of Gravitational Radiation
T870005-00-R	Daniel Dewey		1/1/87 Comparison of Bars and Interferometers: Detection of Transient Gravitational Radiation
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T870007-00-R	Vladimir Braginsky		5/27/87 Frequency-anticorrelated Quantum States
T870008-00-R	Vladimir Braginsky		3/2/87 Experimental Observation of Fundamental Microwave Absorption in High-Quality Dielectric Crystals
T870009-00-R	·		1/1/87 Data Analysis as a Noise Diagnostic: Looking for Transients in Interferometers
T870010-00-R			9/10/87 Outline of a Proposed Design for a First Receiver for Installation in the Long-Baseline Facilities, of Fabry-Perot Type
T880001-00-U	Rai Weiss		7/6/88

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T880002-00-U	Fred Raab	7/22/88	
T880003-00-U	Rai Weiss	6/15/88	
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T880005-00-U	McMaster-Carr Supp. Co.	7/1/88	
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Document No Full Name	ContractorDocNo Doc Dt Full Title
T940004-01-C	6/15/94 CDS Document Numbering (old #CG0001-STD)
T940005-01-C	8/15/94 Vacuum Compatible Cable Connectors and Cables (old #Cl0002-TN)
T940006-01-C	8/12/94CDS-Baseline 1 (old #CG0004-TN)
T940007-00-B Larry Jones	1/25/94 AMU values and document on strategy entitled "Vacuum System Model Gas Solutions and RGA Spectra"
T940008-00-B Larry Jones T940009-00-B Larry Jones	1/21/94 R. Weiss' plots of coil temperatures
T940010-00-B Larry Jones	6/8/94 Comments on hot procedures 6/3/94 Comments on MetalPro operations list
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T940011-00-B Larry Jones	3/8/94 Sketches and information for slab and enclosure discussion
T940012-00-B Larry Jones	2/2/94 Sketch of how Caltech is planning to conduct the module bakeout
T940013-00-B Larry Jones	1/3/94 Response to request to the data format used in Beam Tube Demo Testing
T940014-00-B Marty Tellalian	5/4/94 Weld Wire Cleaning and Quality Control
T940015-00-B Marty Tellalian	2/4/94 Support Thermal Insulation and Analysis
T940016-00-B Marty Tellalian	4/22/94 Beam Tube Erection Sequence and QT Item Listing
T940017-00-B Warren A. Carpenter	2/21/94Module Leak Tests
T940018-00-B Larry Jones	1/25/94 Comments to CBI letter on alternate cleaning evaluation
T940019-00-B Marty Tellalian	10/5/94 Section Leak Test - Day 3
T940020-00-B L. Reed	8/31/94 Nonconformance Reports, Assembly Check Lists, Mishap Report, and Shop Release for Shipment Check List
T940021-00-B Rai Weiss	10/3/94 Section Repair and Leak Test
T940022-00-B Rai Weiss	10/4/94 Section Leak Test
T940023-00-B Larry Jones	10/6/94 Disagreement on acceptable leakage
T940024-00-B Marty Tellalian	10/11/94 Lab Notes for Section Leak Test - October 11, 1994
T940025-00-B Marty Tellalian	10/11/94 Lab Notes for Section Leak Test - October 6 - 10, 1994
T940026-00-B Larry Jones	10/21/94 Beam Tube Sequence of Events, Occurance of Bleeders
T940027-00-B Larry Jones	10/25/94 Steps for Beam Tube Cleaning
T940028-00-B Larry Jones	11/1/94 Hydrocarbon peaks in the weeper data
T940029-00-B Larry Jones	11/2/94 FTIR analysis from beam tube bleeders
T940030-00-B Marty Tellalian	11/2/94 Laboratory Analysis of the Contaminated Solvent
T940031-00-B Larry Jones	11/5/94 Near term procedure to modify and test beam tube cleaning
T940032-00-B Marty Tellalian	11/8/94 Cleaning Assessment Sampling Procedure
T940033-00-B Marty Tellalian	11/10/94 MSDS for Ansul AFFF Foaming Agent
T940034-00-B Larry Jones	11/10/94 Water break test
T940035-00-B Marty Tellalian	11/16/94 FTIR Analysis of Contaminated Propanol Flushed Through Test Tube Section
T940036-00-B Marty Tellalian	11/16/94 Cleaning Procedure for the 8' Trial Section
T940037-00-B Larry Jones	11/16/94 Cleaning Procedure
T940038-00-B Larry Jones	11/18/94 Information on isopropyl alcohol from the Aldrich Chemical and Fisher Scientific Catalogs
T940039-00-B Marty Tellalian	11/23/94 FTIR Reports on the 7' Tube Section Sampling
T940040-00-B Larry Jones	11/28/94 Transmittal of LIGO-T940041-00-B
T940041-00-B Rai Weiss	11/28/94 Summary of information on cleaning of 8' tube
T940042-00-B Larry Jones	12/9/94 Notes on the QT items tested vs. items by analysis
T940043-00-B Marty Tellalian	12/11/94 Status of Section Cleaning and Pumpdown Readiness Meeting
T940044-00-B Larry Jones	12/12/94 Recommended changes for positioning thermocouples on the QT module
T940045-00-B Steve Peters	12/15/94 FTIR Report from Fitzsimmons dated 12/6/94 for cleanliness assessment samples
T940046-00-B Steve Peters	12/15/94 FTIR Report from Fitzsimmons dated 12/14/94 for cleanliness assessment samples
T940047-00-B Steve Peters	12/16/95 FTIR spectra for cleaning assessment samples (should be attached to FTIR dated 12/6/94)
T940048-00-B Steve Peters	12/16/94 FTIR spectra and report for the cleaning assessment samples from the 22-B beam tube assembly, dated 12-13-94
T940049-00-B Larry Jones	12/19/94 QT FTIR data - FTIR Measurements of Solvent Drainage
T940050-00-B Steve Peters	12/22/94 Beam Tube Profile Information
T940051-00-B Alex Abramovici	2/8/94 Procedure for Measuring H2 Outgassing from Steel Coupons
T940052-00-B Larry Jones	8/8/94 Transmittal of LIGO-T94-0051-00B
T940053-00-B Larry Jones	8/1/94 Plot of measurements made of 60' spiral QT tube straightness and diameter in second plane
T940054-00-B Marty Tellalian	8/26/94 Dent Calculation Example and GPS Convention
T940055-00-B Larry Jones	9/13/94 R. Weiss' comments on allowable vacuum box leaks/pressure achieved
T940056-00-B Larry Jones	11/2/94 R. Weiss' Summary of information and recommendations on the beam tube cleaning following visit and further research
T940057-00-B Larry Jones	11/3/94 R. Weiss' surface tension measurements
T940058-00-B Larry Jones	11/4/94 R. Weiss' input on morning meeting on beam tube cleaning
T940059-00-B Larry Jones	11/15/94 ASTM Atomizer and Water Break tests
T940060-00-B Larry Jones	12/22/94 Comments on QT Pumpdown, Bake Out and Outgassing Test Procedure, Rev. 3

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T940061-00-D	Lisa Sievers	3/18/94LIGO Recycled Interferometer Servo Design Update
T940062-00-D	Lisa Sievers	1/24/94 Conceptual Design of Advanced LIGO Vibration Isolation Systems and Effect on Vacuum Equipment Design
T940062-00-D	Ju Li	1/24/94 Conceptual Design of Advanced LIGO Vibration Isolation Systems and Effect on Vacuum Equipment Design
T940063-00-R	Eanna Flanagan	8/2/94 Noise Due to Backscatter Off Baffles, the Nearby Wall, and Objects at the Fare End of the Beam Tube; and Recommended Actions
T940063-00-R	K. Thorne	8/2/94 Noise Due to Backscatter Off Baffles, the Nearby Wall, and Objects at the Fare End of the Beam Tube; and Recommended Actions
T940066-00-R	Peter Fritschel	2/1/94 Optical Distortion in Gsanger Pockels Cells
T940066-00-R	Partha Saha	2/1/94 Optical Distortion in Gsanger Pockels Cells
T950001-01-C	Jay Heefner	1/30/95 Prestabilized Laser Controls, DRAFT
T950002-00-B	Jeff Hermann	2/14/95 Interface with Beam Tube Installation
T950003-00-U	McMaster-Carr Supp. Co.	
T950004-A-E	Albert Lazzarini	3/7/95 Derivation of Global and Local Coordinate Axes for the LIGO Sites
T950004-B-E	Albert Lazzarini	6/26/97 Derivation of Global and Local Coordinate Axes for the LIGO Sites.
T950004-C-E	Albert Lazzarini	6/26/97 Derivation of Global and Local Coordinate Axes for the LIGO Sites
T950005-00-D	Mike T. Gamble	3/7/95 LIGO Beam Tube Study Report - Dynamic Response of the Beam Tube to Handford, WA Site Ambient Vibration Spectrum
T950006-00-D	Mike T. Gamble	3/9/95 LIGO Facilities Study Report - Foundation Response and Local Optical Lever Performance, Draft
T950007-01-C	Volker Schmidt	3/16/95 Operational Scenarios Relevant to CDS
T950007-02-C	Volker Schmidt	4/28/95 Scenarios and Procedures Relevant to CDS
T950008-A-E	Hiro Yamamoto	3/14/95 Multi-Thin Layer Coating Modeling
T950009-00-D	V. Bzaginsky	1/5/95 Information about the temperature stability of the ground at different depth and about the inclinations of a building
T950010-00-R	Denise Durance	3/17/95 Electrical Short at South End Axial Drive Coil (2 March 1995)[also see 40-M Logbook #37, p. 40-42]
T950011-01-D	Seiji Kawamura	3/24/95 Suspension Design Requirements, DRAFT
T950011-06-D	Seiji Kawamura	5/26/95 Suspension Design Requirements, DRAFT
T950011-14-D	Fred Raab	5/23/96 Suspension Design Requirements
T950011-14-D	Seiji Kawamura	5/23/96 Suspension Design Requirements
T950011-17-D	Seiji Kawamura	7/2/97 Suspension Design Requirements
T950011-17-D	Fred Raab	7/2/97 Suspension Design Requirements
T950012-00-C	Rolf Bork	3/28/95 Pulse Damping Test Control System Description
T950013-00-B	Marty Tellalian	3/24/95 Proposed Modifications to the Beam Tube Slab and Cover
T950014-00-B	Larry Jones	1/3/95 R. Weiss' comments/recommended revisions to the QT procedure
T950015-00-B	Steve Peters	2/16/95 Temperature profiles of the QT beam tube at baffle ring location
T950016-00-B	Larry Jones	2/20/95 R. Weiss' latest plots
T950017-00-B	Steve Peters	1/6/95 Information on K&E Tilt Levels and Jig Transits
T950018-00-B	Steve Peters	1/7/95 Transmittal of LIGO-T950019-00-B
	Warren A. Carpenter	1/7/95 Comments concerning R. Weiss' Version of the Outgassing Test Procedures
T950020-00-B	Steve Hand	3/30/95 LIGO Beam Tube Cover Revision - comments on proposed cover modifications
T950021-00-C		
T950022-00-C		
T950022-01-C		6/28/95 Pre-Stabilized laser Control and Data system Software Requirements Specification
T950023-00-B	•	4/14/95 Man-Hour Estimate for Module Leak Testing
	Alex Abramovici	4/21/95 Review of 12m Mode Cleaner Task
T950025-00-V		4/21/95 Proposed Alternate Leak Check Method for Beam Tube Module
T950026-00-B	-	4/24/95 Metal seals to replace O-rings
T950027-00-U		4/26/95 Noise level measurements and testing
	Alex Abramovici	4/30/95 Changes in fast PZT Mirror Design for the PSL
	Aaron Gillespie	4/28/95 Installation of the New Test Masses
	Stan Whitcomb	4/28/95 Installation of Monolithic Test Masses in the 40m Interferometer (title change from early version)
T950030-02-D	·	5/3/95 Pre Stabilized Laser Design Requirements
T950030-03-D	· ·	5/25/95 Prestabilized Laser Design Requirements
	Seiji Kawamura	5/8/95 Electronic Noise in a Length Control System for the LIGO 40m Interferometer
	William O. Miller	5/9/95 Beam Tube Dynamic Analysis, Preliminary, dated 28 April 1995
T950033-00-U		4/2/95 Scattered-Light Noise for LIGO
	Mike T. Gamble	4/28/95LIGO Seismic Isolation Design Study Report
T950035-00-R		5/25/95
	Malik Rakhmanov	5/25/97 Measurement of the Ground Drift at the 40m Lab
	Alex Abramovici	5/31/95Mk II Pumping
T950037-00-C		6/28/95 Pre-Stabilized Laser Control and Data System Software Design Document
T950038-00-R	Lisa Sievers	6/14/95 Measurement of Ambient Relative Test Mass Motion in the 40M Prototype

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T950039-00-B	Larry Jones	6/28/95
T950040-00-V	John Worden	1/18/95
T950041-00-B	Marty Tellalian	6/6/95
T950042-00-B	Larry Jones	5/31/95
T950043-00-V	John Worden	7/13/95
T950044-00-D		7/18/95 IBS Coatings Uniformity
T950045-00-C	Jay Heefner	7/24/95 PSL CDS Interface Control Document, DRAFT
T950046-00-R	Peter Fritschel	7/24/95 Performance of the Barry Control Inc. STACIS Active Isolation System
T950046-00-R	Gabriella Gonzalez	7/24/95 Performance of the Barry Control Inc. STACIS Active Isolation System
T950047-00-D	Alex Abramovici	7/24/95 Evaluation of Nd:YAG (1064nm) Lasers for Use in the Initial LIGO Inteferometers
T950048-00-O	Rick Savage	7/24/95 Crane Hook Height in the LVEA and VEAs
T950049-00-D	David Shoemaker	7/25/95 ASC Centering Subsystem Description
T950050-00-O	Mike Zucker	7/25/95 Response to LIGO-T950048-00-O regarding Crane Hook Height in LVEA/VEA
T950051-00-O		7/31/95 Depth of Transco Pipeline
T950052-00-D	Steven Chuang	8/1/95 HDOS Test Mass Inspection, Serial #COC-A008
T950053-00-E	Alex Abramovici	8/1/95 Use of Low Power YAG Lasers for LIGO
T950053-00-E	David Shoemaker	8/1/95 Use of Low Power YAG Lasers for LIGO
T950054-00-C	Rolf Bork	8/4/95 CDS Design Requirements Document, DRAFT
T950054-01-C	Rolf Bork	11/3/95 CDS Control and Monitoring Design Requirements Document
T950054-02-C	Rolf Bork	8/5/96 CDS Control and Monitoring Design Requirements Document
T950055-00-E	Rai Weiss	8/4/95 Drawing for Valve Aperture
T950056-00-E		7/28/95 End-to-End Model Goals
T950057-00-E	Kent Blackburn	8/18/95 AVS Software Standards Guide
T950058-00-R	Jay Heefner	8/31/95 Design Report for the 40M Test Mass Suspension Prototype
T950058-00-R	Janeen Hazel	8/31/95 Design Report for the 40M Test Mass Suspension Prototype
T950058-00-R	Seiji Kawamura	8/31/95 Design Report for the 40M Test Mass Suspension Prototype
T950059-00-D	David Shoemaker	8/23/95 ASC: Sensors for the Initial Alignment
T950060-00-D		8/28/95 Naming Convention and Interface Definition for SUS
T950060-03-D		5/23/96 Naming Convention and Interface Definition for SUS
T950060-03-D	Seiji Kawamura	5/23/96 Naming Convention and Interface Definition for SUS
T950061-00-D		8/28/95 Interferometer Requirements Flowdown to SUS
T950061-00-D		8/28/95 Interferometer Requirements Flowdown to SUS
T950062-01-C		8/8/95 The WebMaker Setup at LIGO
T950063-01-C		8/8/95 LIGO WebMaker Manual
T950064-00-D		8/29/95 Optic Rotation Test Graphs/Stats
T950065-00-C		8/29/95 Guidelines for Design Requirements Documents
T950065-A-C		9/15/95 Guidelines for Design Requirement Documents, DRAFT
T950066-00-R		9/12/95 New Entries fore the Approved Materials List
	Alex Abramovici	9/13/95 New Entries for the Approved Materials List
T950066-02-E		11/29/95 Response to Multiple Action Items in Parsons' Requirements Definition Worksheet
T950066-02-E		11/29/95 Response to Multiple Action Items in Parsons' Requirements Definition Worksheet
T950067-00-D		8/30/95 Coating Thickness Data
T950068-00-D		9/6/95 Drawing and Specifications for Fused Quartz Substrate
	David Shoemaker	9/15/95 Naming and Interface Definitions for ASC Wavefront Sensing and Centering
T950070-00-D		9/18/95 Naming and Interface Definition for ASC Optical Lever
T950071-00-D		9/18/95 Outgassing Information on Techtron PPS
T950072-00-R		9/18/95 Evaluation of Proposed Changes to the Suspension Sensor Electronics
T950072-00-R		9/18/95 Evaluation of Proposed Changes to the Suspension Sensor Electronics
	David Shoemaker	9/18/95 Interferometer Requirement Flowdown to ASC
	David Shoemaker	9/19/95 Naming and Definition for ASC Initial Alignment
T950075-00-D		9/19/95 Bill Kells
T950076-00-D		9/19/95 Bill Kells
T950077-00-D		9/20/95 Information on Pizzo Mirror Tilters and Laser Diode Drivers
T950078-00-E		9/20/95 Recommendation for Guidance/Direction on Support Requirements for NG:yag Laser
T950079-00-E	Dennis Coyne	9/28/95 LIGO System Block Diagrams
T950080-00-E		9/20/95 Held for Dennis Coyne
T950081-00-E		9/20/95 Held for Dennis Coyne

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T950082-00-E	T dil Name	9/20/95 Held for Dennis Coyne
T950083-00-E		9/20/95 Held for Dennis Coyne
T950084-00-E		9/20/95 Held for Dennis Coyne
T950084-01-E	Dennis Covne	10/27/95 Control Data System (CDS) Power Requirements in the LVEA
T950085-00-E	Definite Coyfic	9/20/95 Held for Dennis Coyne
T950086-00-E	Dennis Covne	11/16/95 Proposed Drawing Template and Release, Approval and Revision Procedure
T950087-00-E	•	11/18/95 Cryopump Infrared Shielding Considerations
T950088-00-E	Definis Coyne	9/20/95 Held for Dennis Coyne
T950089-00-E		9/20/95 Dennis Coyne
T950099-00-E		9/20/95 Held for Dennis Coyne
T950090-00-L	Dala Noss	9/21/95 Optic Coating Notes
T950091-00-B		9/18/95Support Bracket Calculations
T950092-00-B	•	9/26/95Ham Isolation Stay-Clear
	Jay Heefner	9/26/9540m BPCU Electronics Requirements
	Norbert Solomonson	'
	Rich Abbott	9/26/95 Vacuum Feedthrough and Cabling Design Requirements Document
		9/26/95 Vacuum Feedthrough and Cabling Design Requirements Document
	Jay Heefner	9/26/95 Vacuum Feedthrough and Cabling Design Requirements Document
T950095-01-C		9/9/96 Vacuum Feedthrough and Cabling Design Requirements Documents (DRD)
	Jay Heefner	9/9/96 Vacuum Feedthrough and Cabling Design Requirements Documents (DRD)
T950096-00-R		9/27/95 Abstracts of LIGO Ph.D. Theses Submitted During 1994-95
	Alex Abramovici	9/27/95 Technical Aspects of Using Nd:YAG(1064m) lasers Instead of Argon Ion Lasers in the Initial LIGO Interferometers
	David Shoemaker	9/27/95 Technical Aspects of Using Nd:YAG(1064m) lasers Instead of Argon Ion Lasers in the Initial LIGO Interferometers
	David Shoemaker	9/26/95 Response to Paper re Diffraction Loss and Minimum Mirror Size (LIGO-T920002-00-D)
	Jordan Camp	9/28/95 Naming Convention and Interface Definition for Input/Output Optics
	Jordan Camp	9/28/95 Naming Convention and Interface Definition for PSL
	Eanna Flanagan	1/3/95 Light Scattering and Baffle Configuration for LIGO
T950101-00-R		1/3/95 Light Scattering and Baffle Configuration for LIGO
T950102-00-R	K. Thorne	4/2/95 Scattered-Light Noise for LIGO
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	Eanna Flanagan	4/2/95 Scattered-Light Noise for LIGO
T950103-00-D	Norbert Solomonson	4/2/95 Scattered-Light Noise for LIGO 9/29/95 Naming Convention and Interface Definition for SEI
T950103-00-D T950104-00-D	Norbert Solomonson David Shoemaker	4/2/95 Scattered-Light Noise for LIGO 9/29/95 Naming Convention and Interface Definition for SEI 10/5/95 Description of the Electronics for the FMI Wavefront Experiment
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T960019-00-D	Jordan Camp		2/20/96 Frequency, Intensity and Oscillator Noise in the LIGO
T960021-00-B	Larry Jones		2/22/96 Beam Tube Alignment Concept Meeting, 20 February 1996
T960022-00-B	Marty Tellalian	MOF File 2.3/0039	2/22/96 Sketches Showing the Cut Lines in the Qualification Test Assembly
T960023-00-D	Denise Durance		2/20/96 Common Mode Servo
T960024-00-C	Rolf Bork		3/19/96 Vacuum Control and Monitoring System Design Requirements
	Rolf Bork		5/8/96 Vacuum Control and Monitoring System (VCMS) Design Requirements
T960025-01-M	Gary Sanders		3/22/96 LIGO Computing Systems Design Requirements Document
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T960027-01-I	Lisa Sievers		4/18/96 Length Sensing and Control Subsystem Conceptual Design Description
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	Peter Fritschel		4/18/96 Length Sensing and Control Subsystem Conceptual Design Description
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T960029-00-H	Rai Weiss		8/16/94 Physical Environment Monitor System
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T960030-00-E	Mike Zucker		3/7/96 Data Analysis Scenario and Data Flow Paradigm
T960031-00-E	Mike Zucker		3/7/96 CDS Online Diagnostic and Readout Functions
T960033-00-D	David Redding	DCR-96-05	3/5/96 Completion of Reduced Frequency-Resolution Recycled Interferometer Simulation
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T960035-00-E	Kent Blackburn		3/8/96 LIGO Data Tape Features
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T960038-00-I	Mike Zucker		3/22/96 LSC Photodetector Development
T960040-00-D	Seiji Kawamura		3/11/96 Response of Pendulum to Motion of Suspension Point
T960042-00-E	Bill Althouse		3/25/96 Alignment Tolerances and Re-Alignment Criteria for the LIGO Beam Tubes
T960042-00-E	Albert Lazzarini		3/25/96 Alignment Tolerances and Re-Alignment Criteria for the LIGO Beam Tubes
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T960042-A-E	Albert Lazzarini		5/17/96 Alignment Tolerances and Re-Alignment Criteria for the LIGO Beam Tubes
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T960051-00-E	Craig Conley		3/19/96 Integrated Layout Drawings: Usage & Maintenance
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T960054-00-R			3/20/96 Temporary Operational Safety Procedure (TOSP) for the 700 mW Nd: YAG PSL
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T960070-00-D			4/5/96 Framework of Range Requirement of Suspension Actuator
T960071-00-C			2/27/96 40 Meter Reference Source System
T960072-00-C	7		2/17/96 Beam Splitter and Recycling Mirror Suspension Controller Design Requirements
T960073-00-C			2/8/95 40 Meter Recycling Electronics Design Requirements
T960074-05-D	Seiji Kawamura		5/23/96 Suspension Preliminary Design

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T960074-05-D	Janeen Hazel	5/23/96 Suspension Preliminary Design
T960074-05-D	Fred Raab	5/23/96 Suspension Preliminary Design
T960074-07-D	Seiji Kawamura	12/3/96 Suspension Preliminary Design
T960074-07-D	Fred Raab	12/3/96 Suspension Preliminary Design
T960074-07-D	Janeen Hazel	12/3/96 Suspension Preliminary Design
T960077-00-E	Rai Weiss	4/15/96 Data Acquisition and Analysis
T960078-00-P	Bill Althouse	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	Tom Eagar	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	Fred Dylla	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	Alex Abramovici	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	William Tyler	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	Otto Matherny	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-00-P	Albert Lazzarini	4/18/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	William Tyler	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Ben Lucas	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Otto Matherny	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Albert Lazzarini	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Tom Eagar	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Fred Dylla	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Bill Althouse	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-01-P	Alex Abramovici	4/26/96LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Tom Eagar	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	William Tyler	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Otto Matherny	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Ben Lucas	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Albert Lazzarini	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Fred Dylla	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Bill Althouse	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960078-A-P	Alex Abramovici	5/3/96LIGO Design Review Report: LIGO Beam Tube Modules Updated Design Review
T960079-00-R	James Mason	4/22/96 Twiddle - A Program for Analyzing Interferometer Frequency Response (formerly ifresp)
T960079-00-R	Martin W. Regehr	4/22/96 Twiddle - A Program for Analyzing Interferometer Frequency Response (formerly ifresp)
T960080-00-D	Prof. Katherine Creath	4/23/96BLK2ASC/ASC2BLK Conversion Description
T960082-00-D	Alex Abramovici	5/22/96NPRO-PSL Design Requirements
T960082-00-D	Rick Savage	5/22/96NPRO-PSL Design Requirements
T960083-A-E	Albert Lazzarini	4/30/96 Derivation of CDS Rack Acoustic Noise Specifications
T960084-00-D	R. Plunkett	4/4/96 Length Optimization for Constrained Viscoelastic Layer Damping
T960084-00-D	C.T. Lee	4/4/96 Length Optimization for Constrained Viscoelastic Layer Damping
T960086-02-D	Seiji Kawamura	6/11/96 Suspension Test Plan, DRAFT
T960086-02-D	Norbert Solomonson	6/11/96 Suspension Test Plan, DRAFT
T960086-02-D	Fred Raab	6/11/96 Suspension Test Plan, DRAFT
T960087-00-D	Gabriela Gonzalez	5/13/96 Seismic Waves
T960088-00-D	Nobuki Kawashima	5/15/96 Conversion of the Fringe Function to the Displacement
T960089-00-D	Alex Abramovici	5/22/96 NPRO-PSL Conceptual Design
T960089-00-D	Rick Savage	5/22/96 NPRO-PSL Conceptual Design
T960092-00-D	Edward Daw	5/16/96 Preliminary Analysis of the Axion Power Sensitivity from the Early 1996 Axion Data
T960093-00-D	Jordan Camp	8/7/96 Input Output Optics Design Requirements Document
T960093-01-D	David Reitze	10/25/96 Input Output Optics (IOO) Design Requirements Document (DRD)
T960093-01-D	Jordan Camp	10/25/96 Input Output Optics (IOO) Design Requirements Document (DRD)
T960093-01-D	David Tanner	10/25/96 Input Output Optics (IOO) Design Requirements Document (DRD)
T960094-00-D	Fred Raab	5/24/96 Notes on Interferometer Calibration
T960096-00-P	Rai Weiss	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	Bill Althouse	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	Fred Dylla	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	G. Giberson	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	Albert Lazzarini	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	Fred Raab	6/10/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-00-P	William Tyler	6/10/96LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
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T960096-A-P	Bill Althouse	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	Albert Lazzarini	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	William Tyler	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	Fred Dylla	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	Rai Weiss	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	Fred Raab	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	G. Giberson	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960096-A-P	Ben Lucas	6/25/96 LIGO Design Review Report - LIGO Vacuum Equipment Final Design Review
T960098-00-B	Paul McGrath	4/30/96 Feasibility Study, to Resistance Weld LIGO Baffles
T960100-00-B	Larry Jones	6/13/96 Beam Tube Enclosure (BTE) - Pump Cart Layout: New Roughing Pump System
T960101-00-D	Seiji Kawamura	6/24/96 Statement of Work: Installation of the New 40m Suspension
T960102-00-R		6/24/96 Article on Martin Black
T960103-00-D	Gabriella Gonzalez	7/1/96 ASC: Environmental Input to Alignment Noise
T960104-00-D	Alan Rohay	6/27/96 Geographic and Seasonal Variation of Microseismic Noise
T960105-00-D	Lee Brandt	7/2/96 MSDS For Vac Seal
T960106-00-B	Robert Vincent	7/1/96 West Coast Porcelain
T960107-00-C	Rolf Bork	7/17/96 LIGO Interferometer Diagnostics System Design Requirements
	Rolf Bork	7/15/96 Interferometer Diagnostics Conceptual Design
	Daniel Sigg	7/26/96 Wavefront Sensor
	K.H. Maier	7/10/96 208Pb Calculations
T960113-00-D		6/26/96 Modal Model Update 1 - Interferometer Operators
	Daniel Sigg	6/25/96 Modal Model Update 2, GW-Sensitivity to Angular Misalignments
	Daniel Sigg	12/18/96 Modal Model Update 2 - GW-Sensitivity to Angular Misalignments
T960115-00-D		7/7/96 Modal Model Update 3 - Small Angle Regime
	Daniel Sigg	12/20/96 Modal Model Update 3 - Small Angel Regime
T960116-00-D	55	7/31/96 Modal Model Update 4 - Mode Mismatch
		10/13/96 Drop Test - COC Carrier and Shipping Case
T960118-00-D		12/1/96 Modal Model Update 6, Mode Cleaner
	Alan Rohay	7/11/96 Revision of the Differential Motion Plots
	Peter Fritschel	6/3/96 Misalignment-Beam Jitter Coupling in LIGO
	Peter Fritschel	7/12/96 Proposed Initial Detector MC and RC Baseline Lengths
	Mike Zucker	7/12/96 Proposed Initial Detector MC and RC Baseline Lengths
	Larry Jones	7/19/96 Spiral Weld Outgas Measurements
T960123-02-E	-	8/1/97 Beam Tube Bakeout Design Requirements Document (DRD) 11/30/95 Issues and Considerations on the Beam Tube Bake
T960124-00-F T960125-00-D		5/16/96 Beam Tube Qualification Test" by R. Weiss 5/16/95
	Mike Zucker	7/22/96 Magnet Size Considerations; Interference and Coil Power Dissipation
T960126-01-1		9/4/96 Physical Environmental Monitor Design Requirements Document
	David Shoemaker	9/4/96 Physical Environmental Monitor Design Requirements Document
T960127-00-D		9/4/96 Physical Environmental Monitor Design Requirements Document
	David Shoemaker	12/2/96 Physics Environment Monitoring - Design Requirements Document
T960127-01-D		12/2/96 Physics Environment Monitoring - Design Requirements Document 12/2/96 Physics Environment Monitoring - Design Requirements Document
T960127-01-D		12/2/96 Physics Environment Monitoring - Design Requirements Document 12/2/96 Physics Environment Monitoring - Design Requirements Document
T960127-01-D		1/24/97 Physics Environment Monitoring (PEM) Design Requirements Document (DRR)
	David Shoemaker	1/24/97 Physics Environment Monitoring (PEM) Design Requirements Document (DRR)
T960127-02-D		1/24/97 Physics Environment Monitoring (PEM) Design Requirements Document (DRR)
T960128-00-D		8/2/96 Radiation Pressure Noise in LIGO
T960128-00-D		8/2/96 Radiation Pressure Noise in LIGO
T960129-00-P	·	7/29/96 DCC Document Listing
T960129-03-P		11/4/96 DCC Document Listing
T960131-00-D		8/5/96
T960132-00-D		7/18/96 Calculations
T960133-00-B	Larry Jones	7/18/96 Spiral Weld Outgassing
T960134-00-D	-	8/21/96 Alignment Sensing/Control Conceptual Design.
T960134-00-D		8/21/96 Alignment Sensing/Control Conceptual Design.
	Gabriella Gonzalez	8/21/96 Alignment Sensing/Control Conceptual Design.
T960134-00-D		8/21/96 Alignment Sensing/Control Conceptual Design.

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T960136-00-C			7/12/96 CDS Data Acquisition Preliminary Design
T960136-00-C			7/12/96 CDS Data Acquisition Preliminary Design
T960136-00-E			2/16/95 Estimates for Motions Due to Sound Fields
T960137-00-E			6/6/95 Note on Electrostatics in the LIGO Suspensions
T960138-00-D	00		8/9/96 ASC Channel Count
T960139-00-D			3/13/96 Shot Noise Sensitivity of the Length Control Error Signals
T960140-00-R			8/14/96 Fast Estimation of Transverse Fields in High Finesse Optical Cavities
T960141-00-D			7/31/96 Status of the Photodiodes Front End Electronics
T960142-00-C			8/20/96 CDS Control and Monitoring Preliminary Design
	J.B. Turpin		9/4/96 LIGO Valve Control CKT Electric Drive
T960145-00-H			9/9/96 Physical Environmental Monitor Conceptual Design
	David Shoemaker		9/9/96 Physical Environmental Monitor Conceptual Design
	Bernie Weinstein		8/26/96 Determination of Deflection Requirements for BSC Support Beam Bellows
T960146-00-D			8/26/96 Determination of Deflection Requirements for BSC Support Beam Bellows
	Bernie Weinstein		1/14/97 Determination of Deflection Requirements for BSC Support Beam Bellows
	Eric Ponslet		1/14/97 Determination of Deflection Requirements for BSC Support Beam Bellows
T960147-00-D	Lisa Sievers		8/23/96 Summary of Lock Acquisition Results to Date on a Recycled Configuration
T960148-01-D			9/9/96 Maximum Current of the Suspension Actuator Coil
T960148-01-D	Shinji Miyoki		9/9/96 Maximum Current of the Suspension Actuator Coil
T960149-00-R	Mike Zucker		9/9/96 Concept and Estimated Cost for Upgraded MIT R&D Vacuum System
T960150-00-D	B. Davis	7	7/22/96 General Foam Summary
T960151-01-C	Jay Heefner		8/7/97 Large and Small Optics Suspension Electronics Design Requirements
T960152-00-D	JPL		8/6/96 Modulation/Synch Detection
T960153-00-E			8/9/96 Estimation of Seismic Noise
T960154-00-D	Eric Ponslet		8/8/96 BSC Seismic Isolation Transfer Functions
T960155-00-C	Jay Heefner	9	9/13/96 Vacuum Feedthrough and Cabling Preliminary Design
T960155-00-C	Rich Abbott	9	9/13/96 Vacuum Feedthrough and Cabling Preliminary Design
T960156-00-D	Randy VanBrocklin		8/12/96 Requested 7980 Fused Silica Information
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T960182-00-B Larry Jones	12/12/96 Beam Tube Installation - Presentation for Science Integration Meeting, 12 December 1996
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T970007-00-D Alex Marin	1/24/97 Physics Environment Monitoring (PEM) Preliminary Design Document (PDD)
T970007-00-D David Shoemaker	1/24/97 Physics Environment Monitoring (PEM) Preliminary Design Document (PDD)
T970007-00-R Brett Bochner	1/31/97 Modelling the Performance of an Initial-LIGO Detector with Realistically Imperfect Optics
T970008-00-B Larry Jones	1/29/97 Single Source Justification for Hydrocarbon Monitor (B&K 1302)
T970050-00-P Bill Althouse	2/4/97 DCC Document Listing
T970050-01-P Bill Althouse	2/28/97 DCC Document Listing
T970050-02-P Bill Althouse	4/13/97 DCC Document Listing
T970050-03-P Bill Althouse	6/9/97 DCC Document Listing
T970050-04-P Bill Althouse	7/25/97 DCC Document Listing
T970051-00-R Rich Abbott	2/6/97 NPRO Frequency Stabilization
T970051-00-R James Mason	2/6/97 NPRO Frequency Stabilization
T970051-00-R Rick Savage	2/6/97 NPRO Frequency Stabilization
T970052-00-D Rich Abbott	2/6/97 NPRO-PSL Performance Data and System Documentation
T970052-00-D Rick Savage	2/6/97 NPRO-PSL Performance Data and System Documentation
T970052-00-D James Mason	2/6/97 NPRO-PSL Performance Data and System Documentation
T970053-00-E Rai Weiss	1/15/97 Baffle Glaze Shedding
T970054-00-E Rai Weiss	2/3/97 Beam Tube Dynamics
T970055-00-D Fred Raab	2/20/97 Motion of Optical Platforms Driven by Thermal Noise from Spring Elements
T970058-00-D Daniel Sigg	2/11/97 Modal Model Update 7 - Angular Transfer Functions
T970059-01-D Fred Raab	2/20/97 The Effect of Earth Tides on LIGO Interferometers
T970059-01-D Mike Fine	2/20/97 The Effect of Earth Tides on LIGO Interferometers
T970060-00-D Peter Fritschel	2/18/97 Alignment Sensing/Control (ASC) Preliminary Design
T970060-00-D Gabriella Gonzalez	2/18/97 Alignment Sensing/Control (ASC) Preliminary Design
T970060-00-D Daniel Sigg	2/18/97 Alignment Sensing/Control (ASC) Preliminary Design
T970060-00-D Mike Zucker	2/18/97 Alignment Sensing/Control (ASC) Preliminary Design
T970061-00-C Jay Heefner	2/18/97 ASC CDS Design Requirements Document
T970062-00-C Jay Heefner	2/18/97 ASC CDS Conceptual Design
T970063-00-D ASC Group	2/14/97 Response to Alignment Sensing and Control DRR2 Action Items
T970068-00-D Dennis Coyne	2/23/97 Recycling Cavity and Mode Cleaner Cavity Baseline Dimensions
T970071-00-D Michael Smith	3/28/97 Core Optics Support Design Requirements Document
T970071-01-D Michael Smith	4/2/97 Core Optics Support Design Requirements Document (DRD)
T970072-00-D Michael Smith	3/28/97 Core Optics Support Conceptual Design
T970072-01-D Michael Smith	4/2/97 Core Optics Support Conceptual Design
T970073-00-D Janeen Hazel	3/4/97 Loss Due to Eddy Current Damping Between Magnets and Sensor/Actuator head Holders in the Small Optics Suspension
T970073-00-D Shinji Miyoki	3/4/97 Loss Due to Eddy Current Damping Between Magnets and Sensor/Actuator head Holders in the Small Optics Suspension
T970073-00-D Seiji Kawamura	3/4/97 Loss Due to Eddy Current Damping Between Magnets and Sensor/Actuator head Holders in the Small Optics Suspension
T970073-00-D Mike Fine	3/4/97 Loss Due to Eddy Current Damping Between Magnets and Sensor/Actuator head Holders in the Small Optics Suspension
T970073-00-D Fred Raab	3/4/97 Loss Due to Eddy Current Damping Between Magnets and Sensor/Actuator head Holders in the Small Optics Suspension
T970075-00-D Janeen Hazel	3/10/97 Resonance of the Support Structure of the Large Optics Suspension 1 (LOS1) Prototype
T970075-00-D Seiji Kawamura	3/10/97 Resonance of the Support Structure of the Large Optics Suspension 1 (LOS1) Prototype
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T970075-00-D Fred Raab T970075-00-D Shinji Miyoki	3/10/97 Resonance of the Support Structure of the Large Optics Suspension 1 (LOS1) Prototype 3/10/97 Resonance of the Support Structure of the Large Optics Suspension 1 (LOS1) Prototype

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T970075-00-D		3/10/97 Resonance of the Support Structure of the Large Optics Suspension 1 (LOS1) Prototype
	Jay Heefner	3/11/97/LIGO CDS VME Mainframe Specification
T970077-00-D	•	3/12/97 Gravitational Deflection of LIGO Optics in a 9-Point Hindle Mount
	Stefan Seel	6/30/97(Infrared) Pre-Stabilized Laser (PSL) Design Requirements
T970080-09-D		6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Design Requirements 6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Design Requirements
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	Peter King Detector ISC Group	6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Design Requirements
	'	2/26/97 Frequency Response of the LIGO Interferometer
	Daniel Sigg	2/26/97 Frequency Response of the LIGO Interferometer
	Malik Rakhmanov	6/16/97 Correlation Function and Power Spectrum of Non-Stationary Shot Noise
	David Shoemaker	1/24/97 Physics Environment Monitoring (PEM) Preliminary Design Document (PDD)
	Alex Marin	1/24/97 Physics Environment Monitoring (PEM) Preliminary Design Document (PDD)
	Rick Savage	6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Conceptual Design
T970087-04-D		6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Conceptual Design
T970087-04-D	-	6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Conceptual Design
	Stefan Seel	6/30/97 (Infrared) Pre-Stabilized Laser (PSL) Conceptual Design
	Bill Althouse	3/24/97 LIGO Online Documents, March 1997
T970089-01-P		4/11/97 LIGO On-Line Documents, March 1997
T970089-03-P		5/16/97 LIGO On-Line Documents, MAY 1997
T970089-04-P		6/25/97 LIGO On-Line Documents, JUNE 1997
	Bill Althouse	7/22/97 LIGO On-Line Document, July 1997
T970090-00-R		5/7/97 Proposal for a Table-Top Prototype Resonant Sideband Extraction Interferometer (A Graduate Thesis Proposal)
	James Mason	5/7/97 Proposal for a Table-Top Prototype Resonant Sideband Extraction Interferometer (A Graduate Thesis Proposal)
T970090-00-R	-	5/7/97 Proposal for a Table-Top Prototype Resonant Sideband Extraction Interferometer (A Graduate Thesis Proposal)
T970091-00-D	Dennis Coyne	3/28/97 Determination of the Wdge Angles for the Core Optics Components
	Yehuda Kommemi	4/7/97 RGA Scanning Test of Sensor/Actuator Head and Kapton Cable
T970094-02-R	•	4/7/97 RGA Scanning Test of Sensor/Actuator Head and Kapton Cable
T970096-00-D	Seiji Kawamura	4/17/97 Dumbbell-Type Standoff for Magnet/Standoff Assembly
	Mike Fine	4/17/97 Dumbbell-Type Standoff for Magnet/Standoff Assembly
T970096-00-D		A/4.7/07D
	Janeen Hazel	4/17/97 Dumbbell-Type Standoff for Magnet/Standoff Assembly
T970099-00-D	Jennifer Logan	5/14/97 Statement of Work: Change of Modulation Frequency at the 40m
T970099-00-D T970100-00-E	Jennifer Logan Kent Blackburn	5/14/97 Statement of Work: Change of Modulation Frequency at the 40m 4/28/97 LIGO Data Analysis Software Specification Issues
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Document No	Full Name	ContractorDocNo Doc Dt Full Title
T970122-00-D	Nergis Mavalvala	7/18/97 Length Sensing and Control (LSC) Subsystem Preliminary Design
T970122-00-D	Alex Marin	7/18/97 Length Sensing and Control (LSC) Subsystem Preliminary Design
T970122-00-D	Gabriella Gonzalez	7/18/97 Length Sensing and Control (LSC) Subsystem Preliminary Design
T970122-00-D	Peter Fritschel	7/18/97 Length Sensing and Control (LSC) Subsystem Preliminary Design
T970122-00-D	Daniel Sigg	7/18/97 Length Sensing and Control (LSC) Subsystem Preliminary Design
T970125-00-D		5/29/97 Caltech 40-Meter Data (FRAME format) - 14, 18, 19, 20 November 1994
T970127-02-D	Rai Weiss	1/24/97 Physics Environment Monitoring Design Requirements Document
T970127-02-D	Alex Marin	1/24/97 Physics Environment Monitoring Design Requirements Document
T970127-02-D	David Shoemaker	1/24/97 Physics Environment Monitoring Design Requirements Document
T970128-00-E	Bruce Allen	6/20/97 Quantization Noise in LIGO Interferometers (LIGO ADC Digitization/Quantization Accuracy
T970128-01-E	Patrick Brady	7/11/97 Quantization Noise in LIGO Interferometers
T970128-01-E	Bruce Allen	7/11/97 Quantization Noise in LIGO Interferometers
T970130-01-E	Control & Data Systems	8/4/97 Specification of a Common Data Frame Format for Interferometric Gravitational Wave Detectors
T970130-01-E	Albert Lazzarini	8/4/97 Specification of a Common Data Frame Format for Interferometric Gravitational Wave Detectors
T970130-A-E		7/20/97 Specification of a Common Data Frame Format for Interferometric Gravitational Wave Detectors (IGWD)
T970131-00-B	Larry Jones	6/25/97 30-Minute Post Processed Point Location Graph, HNW350P Verification
T970134-00-I	Prof. L. Samuel Finn	5/20/97 Contributions Toward LIGO Data Analysis
T970135-02-D	Janeen Hazel	7/2/97 Small Optics Suspension (SOS) Final Design (Mechanical System)
T970135-02-D	Seiji Kawamura	7/2/97 Small Optics Suspension (SOS) Final Design (Mechanical System)
T970136-00-C	Rolf Bork	7/12/97 CDS Data Acquisition Preliminary Design
T970136-00-C	David Barker	7/12/97 CDS Data Acquisition Preliminary Design
T970138-00-C	Dale Ouimette	7/20/97 LSC CDS Design Requirements
T970139-00-C	Dale Ouimette	7/20/97 LSC CDS Conceptual Design
T970141-00-D	Hytec, Inc.	5/23/97 Aging Behavior of Welded and Unwelded 6061-T651 Aluminum (Prepared for Hytec, Inc. by Mary C. Juhas, Ph.D)
T970142-00-D	Dennis Coyne	7/21/97 Action Item Response Report: First Article Fabrication Readiness Review for the Seismic Isolation System (SEI)
T970146-00-I	Irena Petrac	8/3/97 Infrared (IR) Interferometer Configuration and Specifications
T970148-00-E	Bill Althouse	8/7/97 Beam Tube Bakeout Preliminary Design
T970156-00-D	David Tanner	8/18/97 LIGO Cavity Lengths and Modulation Frequencies