



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV GID
E1000786-v1

SHEET 1 OF 1

ASSEMBLY NO:


D1001160-v1

OVERALL BILL OF MATERIALS

TITLE: aLIGO OPTICS TABLE TOP STRUCTURAL ASSEMBLY

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: <small>(REFERENCE CONTENTS)</small>	CIT, CC	14-Mar-11	v1	E1100080-v1	CC			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1	0	1	D1001129	v4	aLIGO ETM OPTICAL TABLE	6061-T6 Al
2	2	0	2	D1001163	v2	aLIGO OPTICS TABLE GUSSET PLATE, LARGE	6061-T6 Al
3	46	5	51	UC COMPONENTS C-2010-N or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 0.625 LONG	18-8 SSSL
4	108	15	123	UC COMPONENTS WFV-25 or equiv		VENTED FLAT WASHER .255 ID, .468 OD, .032 TH	18-8 SSSL
5	2	0	2	D1002221	v2	aLIGO OPTICS TABLE SPEADER BRIDGE	6061-T6 Al
6	22	4	26	UC COMPONENTS WFV-31 or equiv		VENTED FLAT WASHER .328 ID, .562 OD, .032 TH	18-8 SSSL
7	8	2	10	UC COMPONENTS C-1814-N or equiv		SCREW, SOCKET HEAD CAP 5/16-18 UNC-2A X 0.88 LONG	18-8 SSSL
8	2	0	2	D1001164	v2	aLIGO OPTICS TABLE GUSSET PLATE, SMALL	6061-T6 Al
9	1	0	1	D1002696	v2	aLIGO ETM TELESCOPE BRIDGE SUPPORT TEE PLATE, FRONT	6061-T6 Al
10	8	2	10	UC COMPONENTS C-2012-N or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 0.75 LONG	18-8 SSSL
11	12	3	15	UC COMPONENTS C-2008-N or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 0.5 LONG	18-8 SSSL
12	1	0	1	D1001109	v2	aLIGO ETM TELESCOPE BRIDGE SUPPORT TEE PLATE, BACK	6061-T6 Al
13	2	0	2	D1002755	v1	aLIGO TMS TELESCOPE ROLL SLIDE ROD	304 SSSL
14	4	2	6	UC COMPONENTS C-2012-A or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 0.75 LONG, VENTED	Ag-PLATED 18-8 SSSL
15	1	0	1	D1002698	v2	aLIGO TMS TELESCOPE ROLL SLIDE MASS	304 SSSL
16	1	0	1	D1002759	v1	aLIGO TMS TELESCOPE ROLL LOCK	6061-T6 Al
17	8	2	10	UC COMPONENTS C-2012-NA or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X .75 LONG	Ag-PLATED 18-8 SSSL
18	1	1	2	99934A760 (McM-Carr) or equiv		SKT SET SCRW, 1/4-20 X 3/8 L, SILVER TIP	18-8 SSSL/ SILVER
19	1	0	1	D1002768	v3	aLIGO TMS TELESCOPE ROLL MASS ADJ. ROD	316 SSSL
20	2	0	2	8492A167 (McM-Carr) or equiv		DRILL BUSHING, PRESS FIT 5/16" ID, 1/2" OD, 3/8" LENGTH	Ni PLATED, HARD STEEL
21	2	1	3	60705K46 (McM-Carr) or equiv		THREADED COLLAR, CLAMP ON 5/16"-18 UNC, 11/16" OD, 9/32" WIDTH	300 SSSL
22	1	0	1	D1002769	v1	aLIGO TMS TELESCOPE ROLL SLIDE BKT.	6061-T6 Al
23	2	3	5	UC COMPONENTS WFV-10 or equiv		VENTED FLAT WASHER .195 ID, .354 OD, .032 TH	18-8 SSSL
24	2	2	4	BU-2406-NA (U-C Comp.) or equiv		BUTTON HEAD SOCKET SCREW #10-24 X 3/8	Ag-PLATED 18-8 SSSL
25	2	0	2	D1002758	v2	aLIGO TMS TELESCOPE PITCH GUIDE	304 SSSL
26	2	0	2	D1002699	v2	aLIGO PITCH SLIDE MASS	304 SSSL
27	2	0	2	D1002757	v1	aLIGO TMS TELESCOPE PITCH SLIDE BKT.	6061-T6 Al
28	4	2	6	UC COMPONENTS C-2016-NA or equiv		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 1.00 LONG	Ag-PLATED 18-8 SSSL
29	2	0	2	D1003162	v3	aLIGO TMS TELESCOPE PITCH MASS ADJ. ROD	304 SSSL
30	2	1	3	9421T300 (McM-Carr) or equiv		1/4" ID SHAFT COLLAR	316 SSSL
31	10	2	12	33045T72 (McM-Carr) or equiv		EYEBOLT, 780# 5/16-18 X 1.88" THREAD	304 SSSL
32	12	3	15	93181A030 (McM-Carr) or equiv		JAM NUT, 5/16-18	6061-T6 Al
33	2	1	3	D1001161	v2	33045T78, MCMMASTER, MODIFIED EYEBOLT	304 SSSL
34	12	3	15	D1002767	v1	aLIGO TMS OPTICS TABLE CYLINDER MASS	304 SSSL
35	14	3	17	D1100358	v1	TMS TELESCOPE MASS ATTACHMENT SCREW	CP Ti GRADE 2
36	2	1	3	D1003330	v1	aLIGO TMS OPTICS TABLE SMALL CYLINDER MASS	304 SSSL

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FOOT NOTES:

1. LOW PHOSPHOROUS ELECTROLESS NICKEL PLATE ITEMS 20. ADHERE TO LIGO SPECIFICATION E0900023 ("MANUFACTURING PROCESS FOR CANTELEVER SPRING BLADES FOR ADVANCED LIGO") SECTION 2.5.2.