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DATE: 06/26:96 TIME: 14:16:50
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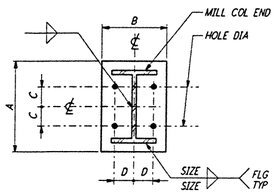
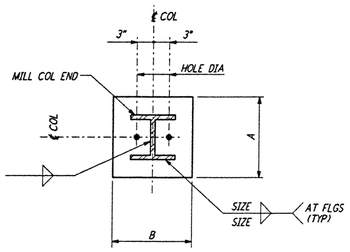


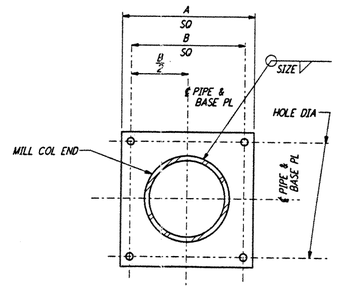
BASE PLATE SCHEDULE							
MEMBER SIZE	A	B	C	D	PL THICK	DIA HOLE	SIZE WELD
W8	1'-0"	0'-11"	2½"	2½"	1"	1⅛"	⅜"
W10	1'-0"	0'-11"	3"	3"	1"	1⅛"	⅜"
W12	1'-2"	0'-11"	3½"	3½"	1¼"	1⅛"	⅜"
W14	1'-4"	1'-4"	3½"	3½"	1¼"	1⅛"	⅜"
W16	1'-6"	1'-4"	3½"	3½"	1¼"	1⅛"	⅜"

BASE PLATE DETAILS (1)



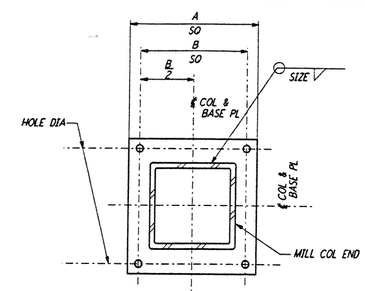
BASE PLATE SCHEDULE					
MEMBER SIZE	A	B	PL THICK	DIA HOLE	SIZE WELD
W8	0'-10"	0'-10"	¾"	1⅜"	¼"
W10	1'-0"	0'-10"	1"	1⅜"	⅝"
W12	1'-2"	0'-10"	1"	1⅝"	⅝"
W14	1'-4"	0'-10"	1¼"	1⅝"	⅝"
W16	1'-6"	0'-10"	1¼"	1⅝"	⅝"

BASE PLATE DETAIL (2)



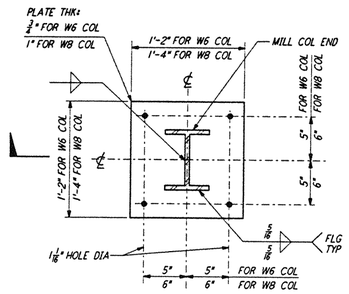
BASE PLATE SCHEDULE					
PIPE DIA	A	B	PL THICK	HOLE DIA	SIZE WELD
3"	1'-0"	0'-6"	¾"	1⅜"	⅜"
4"	1'-0"	0'-8"	1"	1⅝"	¼"
5"	1'-2"	0'-10"	1¼"	1⅞"	¼"
6"	1'-4"	1'-0"	1¼"	1⅞"	⅝"
8"	1'-4"	1'-0"	1½"	1⅞"	⅝"

PIPE BASE PLATE DETAIL (3)

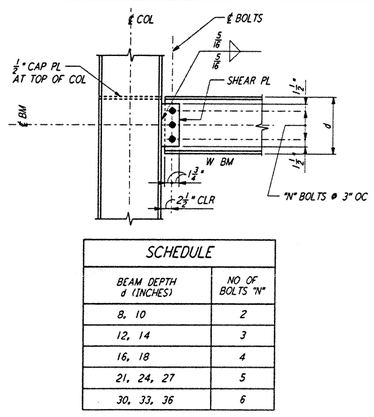


BASE PLATE SCHEDULE					
COL SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
TS4X4	1'-0"	0'-8"	1"	1⅛"Ø	¼"
TS5X5	1'-2"	0'-10"	1¼"	1⅜"Ø	¼"
TS6X6	1'-4"	1'-0"	1½"	1⅝"Ø	⅝"
TS7X7	1'-6"	1'-2"	1½"	1⅝"Ø	⅝"
TS8X8	1'-6"	1'-2"	1½"	1⅝"Ø	⅝"

TS BASE PLATE DETAIL (4)

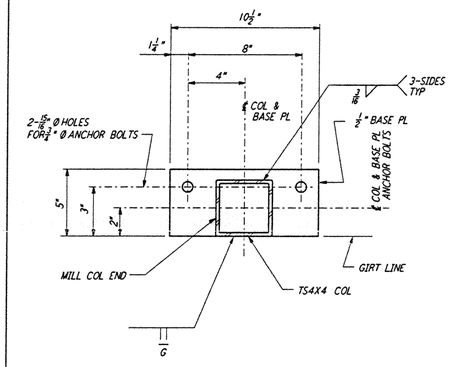


BASE PLATE DETAIL (5)

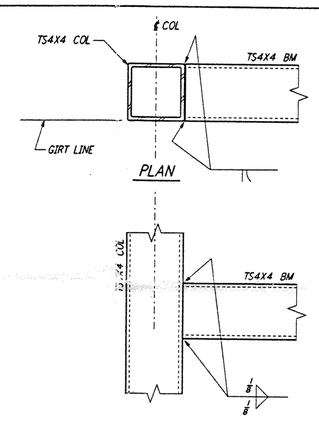


SCHEDULE	
BEAM DEPTH d (INCHES)	NO. OF BOLTS "N"
8, 10	2
12, 14	3
16, 18	4
21, 24, 27	5
30, 33, 36	6

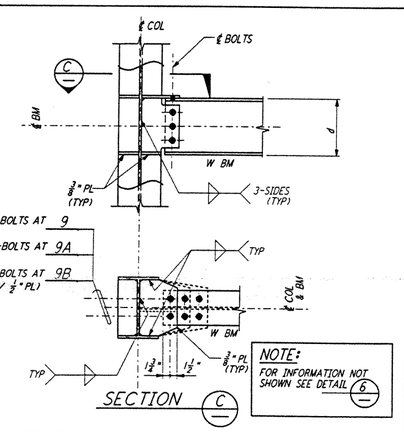
BEAM TO COLUMN CONNECTION DETAIL (6)



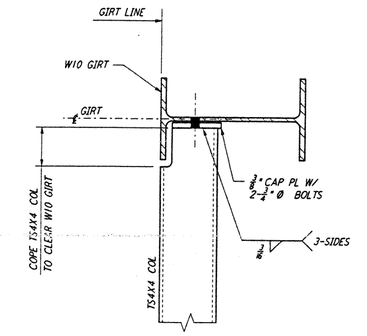
BASE PLATE DETAIL (7)



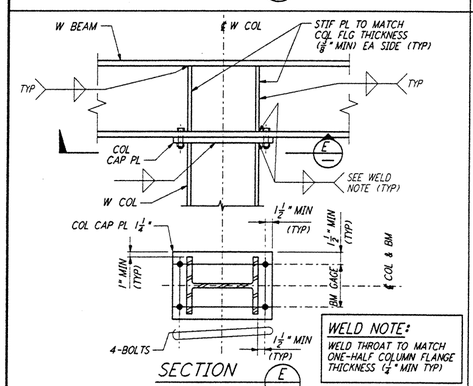
ELEVATION DETAIL (8)



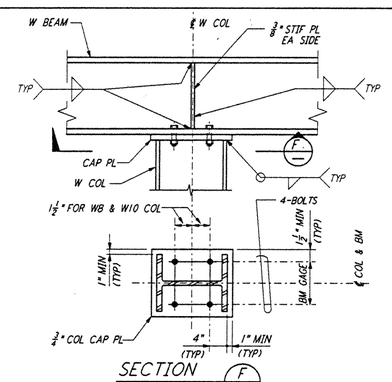
STRUT BEAM TO COLUMN CONNECTION DETAIL (9) (9A) (9B)



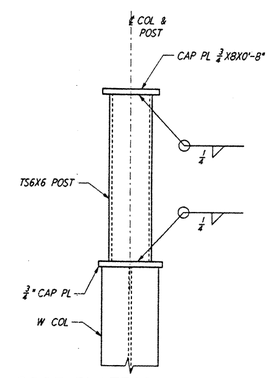
DETAIL (10)



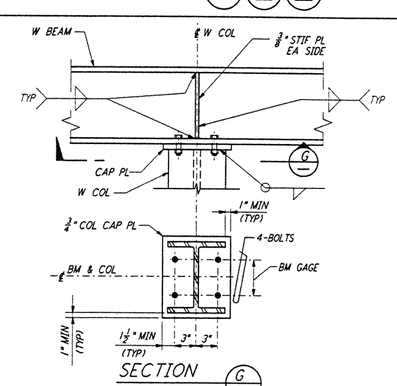
BEAM TO COLUMN BOLTED MOMENT CONNECTION DETAIL (11)



BEAM TO COLUMN BOLTED CONNECTION DETAIL (12)



ROOF PLATFORM SUPPORT DETAIL (13)



BEAM TO COLUMN BOLTED CONNECTION DETAIL (14)

NOTES:

1. FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING S-100.

REFERENCES		REVISIONS						
DRAWING NO.	DESCRIPTION	NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	MCS	6-24-96
CHECKED	[illegible]	7-2-96
ENGINEER	[illegible]	6-29-96
PROJ	[illegible]	7/9/96

STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER — EXPIRES 10-24-96

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER
GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 1 - HANFORD, WASHINGTON

TITLE: STRUCTURAL STANDARD STRUCTURAL STEEL CONNECTION DETAILS SHEET 1

SCALE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

SHEET NUMBER: WA-S-004 REVISIONS: 6

LIGO-D960289-00-01

LIGOWAF.BDR

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