

Mon Jul 22 16:48:06 1996 S3-V18B2 J:\PLOTS\SEQUENCES\18B2\ST004.PRF

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DATE: 07/22/96 TIME: 16:48:55  
 DESIGN FILE: I:\lgo\site2\st18a004.dwg

BASE PLATE SCHEDULE						
MEMBER SIZE	A	B	C	D	PL THICK	SIZE WELD
WB	1'-0"	0'-11"	2 1/2"	2 1/2"	1"	5/8"
W10	1'-0"	0'-11"	3"	3"	1"	5/8"
W12	1'-2"	0'-11"	3 1/2"	3 1/2"	1 1/2"	5/8"
W14	1'-4"	1'-4"	3 1/2"	3 1/2"	1 1/2"	5/8"
W16	1'-6"	1'-4"	3 1/2"	3 1/2"	1 1/2"	5/8"

**BASE PLATE DETAILS** ①

BASE PLATE SCHEDULE					
MEMBER SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
WB	0'-10"	0'-10"	3/4"	1 1/2"	1/2"
W10	1'-0"	0'-10"	1"	1 1/2"	5/8"
W12	1'-2"	0'-10"	1"	1 1/2"	5/8"
W14	1'-4"	0'-10"	1 1/2"	1 1/2"	5/8"
W16	1'-6"	0'-10"	1 1/2"	1 1/2"	5/8"

**BASE PLATE DETAIL** ②

BASE PLATE SCHEDULE					
PIPE DIA	A	B	PL THICK	HOLE DIA	SIZE WELD
3"	1'-0"	0'-6"	3/4"	5/8"	5/8"
4"	1'-0"	0'-8"	1"	5/8"	5/8"
5"	1'-2"	0'-10"	1 1/2"	1 1/2"	5/8"
6"	1'-4"	1'-0"	1 1/2"	1 1/2"	5/8"
8"	1'-4"	1'-0"	1 1/2"	1 1/2"	5/8"

**PIPE BASE PLATE DETAIL** ③

BASE PLATE SCHEDULE					
COL SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
TS4X4	1'-0"	0'-8"	1"	5/8"	5/8"
TS5X5	1'-2"	0'-10"	1 1/2"	1 1/2"	5/8"
TS6X6	1'-4"	1'-0"	1 1/2"	1 1/2"	5/8"
TS7X7	1'-6"	1'-2"	1 1/2"	1 1/2"	5/8"
TS8X8	1'-6"	1'-2"	1 1/2"	1 1/2"	5/8"

**TS BASE PLATE DETAIL** ④

**BASE PLATE DETAIL** ⑤

SCHEDULE	
BEAM DEPTH d (INCHES)	NO OF BOLTS 7/8"
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

**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

**NOTE:**  
 1. FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS SEE DRAWING S-001.

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
C	7-24-96	MCS				ISSUED FOR BID
B	6-14-96	MCS				FINAL DESIGN REVIEW
A	10-31-95					PRELIMINARY DESIGN REVIEW

DRAWN	MCS
CHECKED	
ENGINEER	
PROJ	

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LASER INTERFEROMETER  
 GRAVITATIONAL-WAVE OBSERVATORY  
 SITE NO. 2 - LIVINGSTON, LOUISIANA  
 TITLE: STRUCTURAL STANDARD STRUCTURAL STEEL CONNECTION DETAILS SHEET I  
 SCALE: NONE  
 CONTRACT NUMBER: PP150969  
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