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

BASE PLATE DETAILS (1) (1A) (1B)

4

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

BASE PLATE DETAIL (2)

3

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

PIPE BASE PLATE DETAIL (3)

2

BASE PLATE SCHEDULE				
COL SIZE	A	B	PL THICK	HOLE DIA
TS4X4	1'-0"	0'-8"	1"	1 1/8"
TSSX5	1'-2"	0'-10"	1 1/2"	1 1/8"
TS6X6	1'-4"	1'-0"	1 1/2"	1 1/8"
TS7X7	1'-6"	1'-2"	1 1/2"	1 1/8"
TS8X8	1'-6"	1'-2"	1 1/2"	1 1/8"

TS BASE PLATE DETAIL (4)

BASE PLATE DETAIL (5)

SECTION (A)

SCHEDULE		
BEAM DEPTH (INCHES)	NO OF BOLTS "N"	CAPACITY 3/8" @ A325 BOLTS (KIPS)
8, 10	2	10.5
12, 14	3	20.4
16, 18	4	31.4
21, 24, 27	5	42.4
30, 33, 36	6	53.2

BEAM TO COLUMN CONNECTION DETAIL (6)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (B)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (C)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (D)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (E)

WELD NOTE: WELD THROAT TO MATCH ONE-HALF COLUMN FLANGE THICKNESS (1/2" MIN TYP)

SECTION (D)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (F)

SECTION (E)

SECTION (D)

NOTE: FOR INFORMATION NOT SHOWN SEE DETAIL (6) S-004

SECTION (G)

WELDED COLUMN SPLICE DETAIL (13)

NOTES:

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

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NO.	DATE	APPRO BY	DESCRIPTION OF REVISION
9			
8			
7			
6			
5			
4			
3			
2			
1			

NO.	DATE	APPRO BY	DESCRIPTION OF REVISION
J			
H			
G			
F			
E			
D			
C			
B			
A	10-31-95	TDM	PRELIMINARY DESIGN REVIEW ISSUED FOR

DATE	10-31-95
DRAWN	MCS
CHECKED	
ENGINEER	
PROJ MGR	

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: STANDARD STRUCTURAL STEEL DETAILS - SHEET I

SHEET NUMBER: NONE PPI50969 8094

PROJECT NUMBER: WA-S-004

Mon Oct 30 21:51:32 1995 S3-V18B2 J:\PLOTS\QUEUES\V18B2\ST004A.PRF