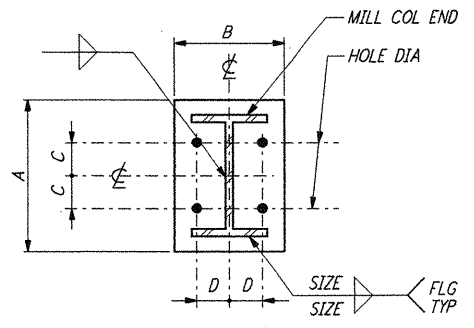


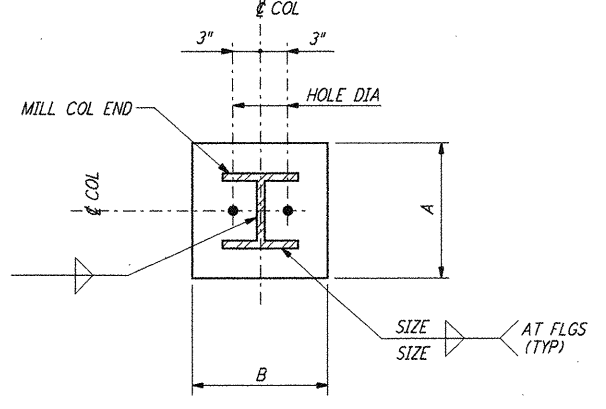
5



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 1/4"	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)

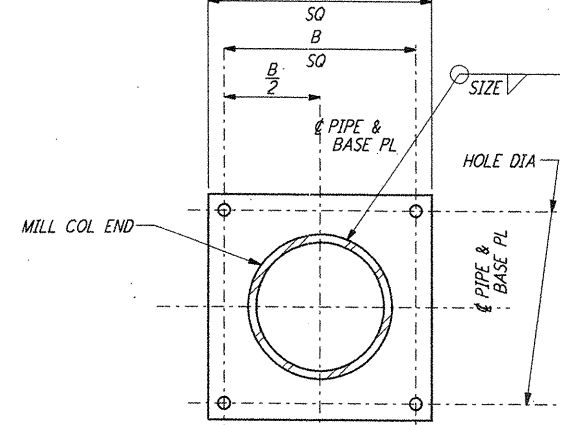
4



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

BASE PLATE DETAIL (2)

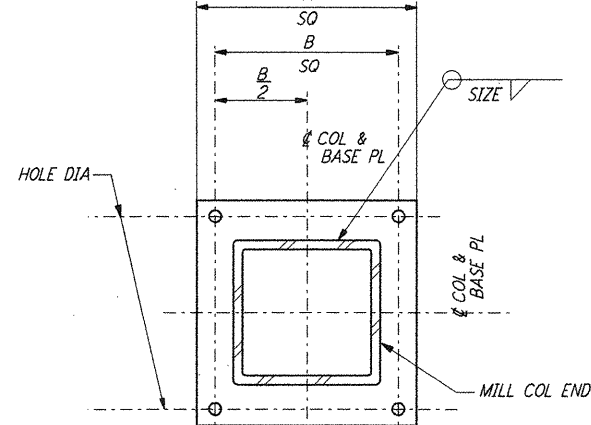
3



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

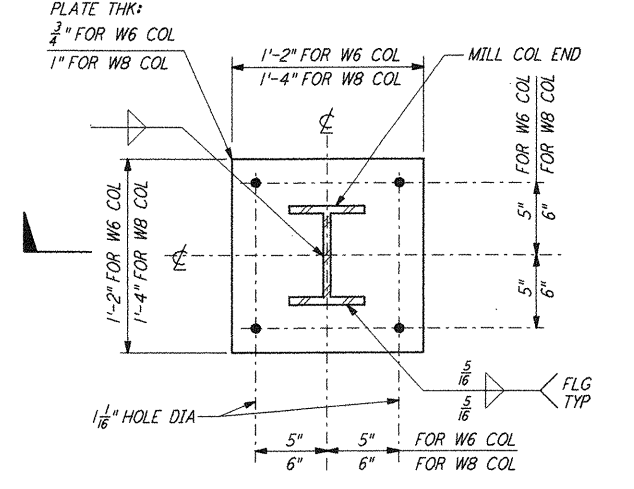
PIPE BASE PLATE DETAIL (3)

2



BASE PLATE SCHEDULE					
COL SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
TS4X4	1'-0"	0'-8"	1"	1 1/8"	1/4"
TSSX5	1'-2"	0'-10"	1 1/4"	1 1/8"	5/8"
TS6X6	1'-4"	1'-0"	1 1/2"	1 1/8"	5/8"
TS7X7	1'-4"	1'-0"	1 1/2"	1 1/8"	5/8"
TS8X8	1'-6"	1'-2"	1 1/2"	1 1/8"	5/8"

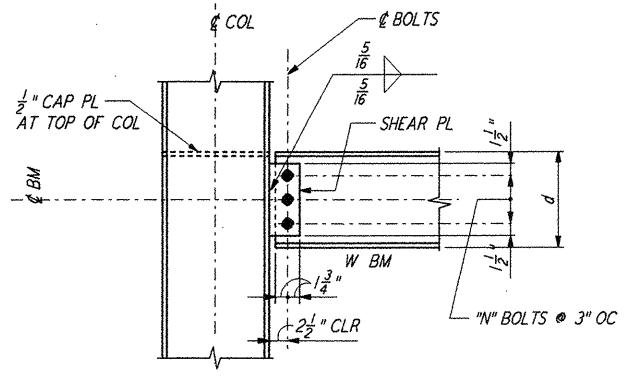
TS BASE PLATE DETAIL (4)



BASE PLATE DETAIL (5)

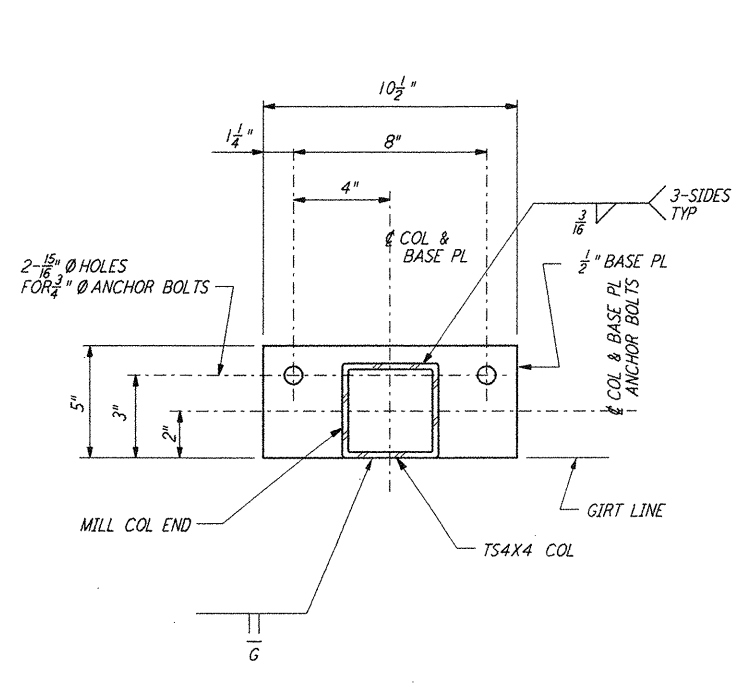
not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.

This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will

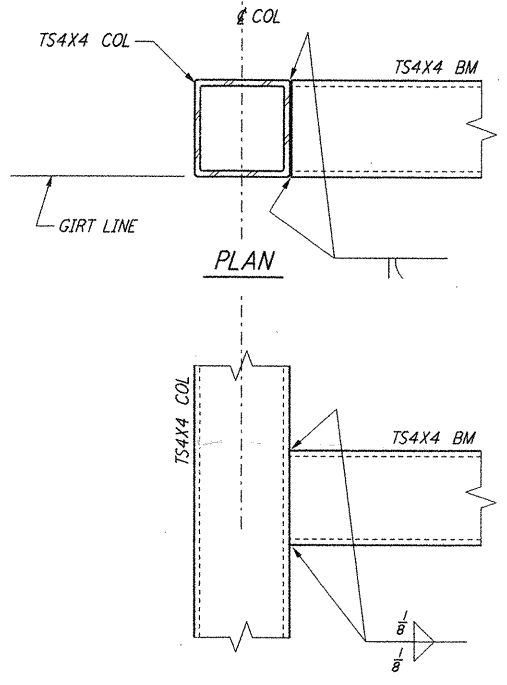


SCHEDULE	
BEAM DEPTH d (INCHES)	NO OF BOLTS "N"
8, 10	2
12, 14	3
16, 18	4
21, 24, 27	5
30, 33, 36	6

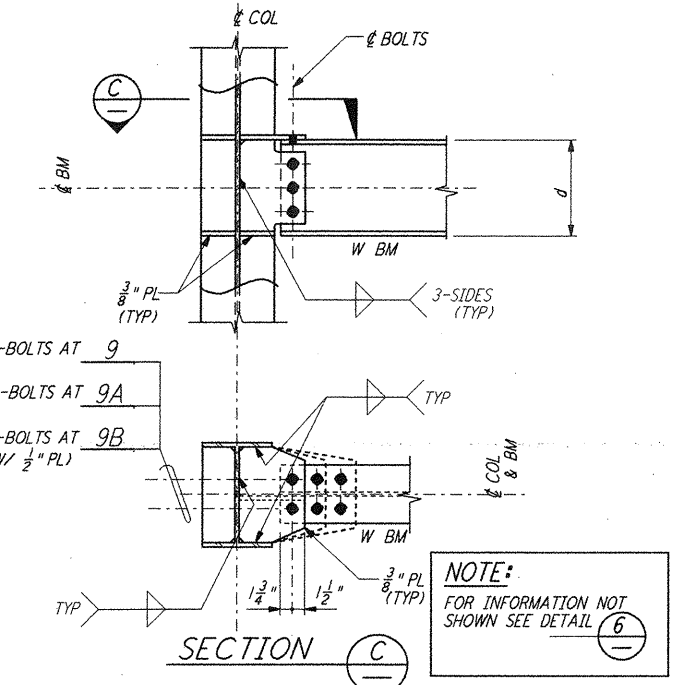
BEAM TO COLUMN CONNECTION DETAIL (6)



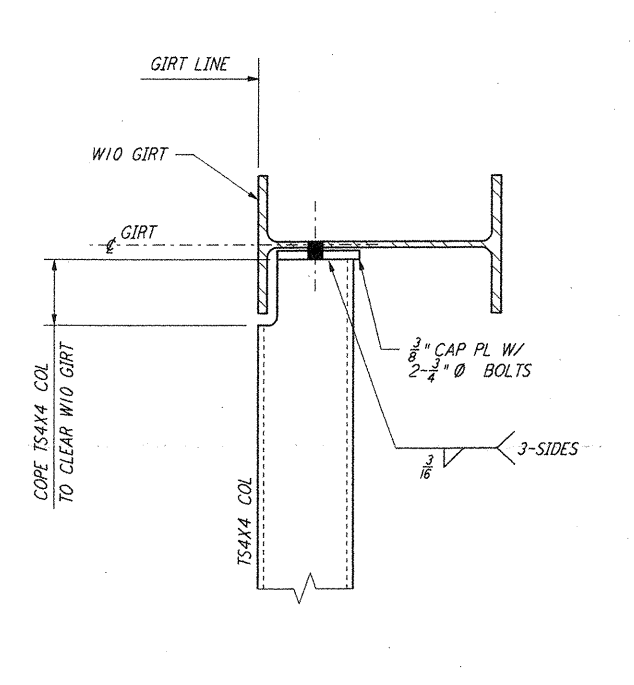
BASE PLATE DETAIL (7)



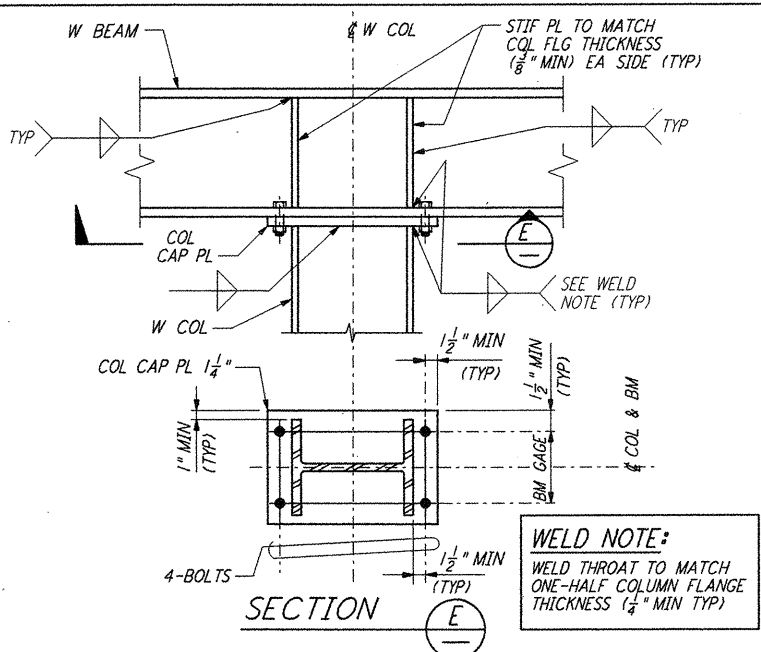
ELEVATION DETAIL (8)



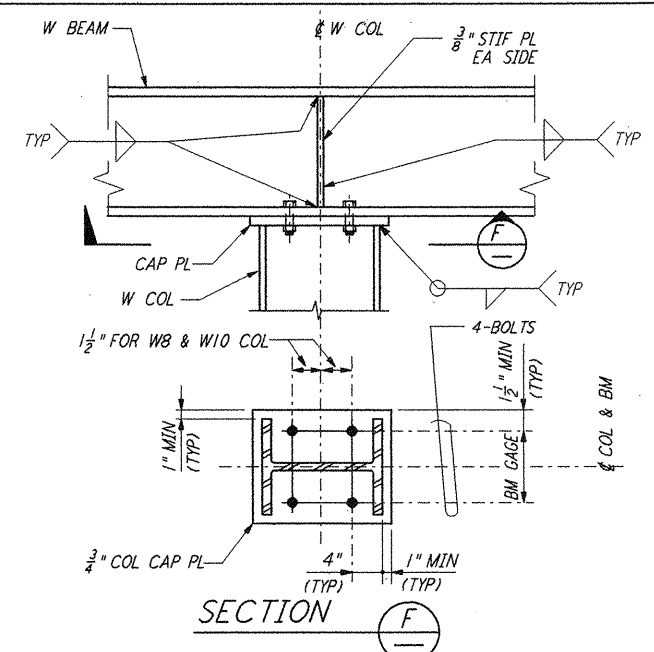
STRUT BEAM TO COLUMN CONNECTION DETAIL (9)



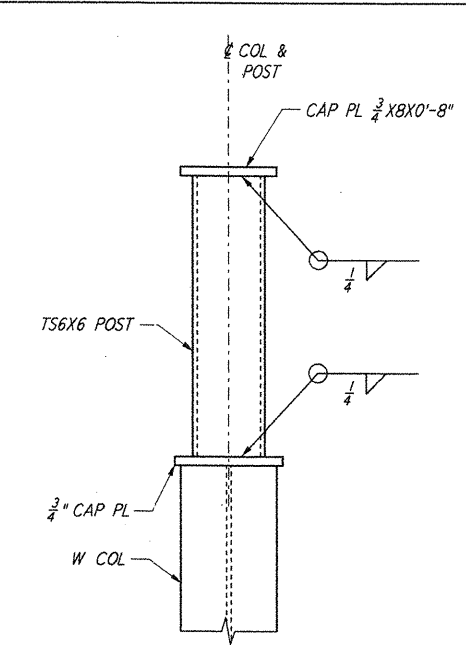
DETAIL (10)



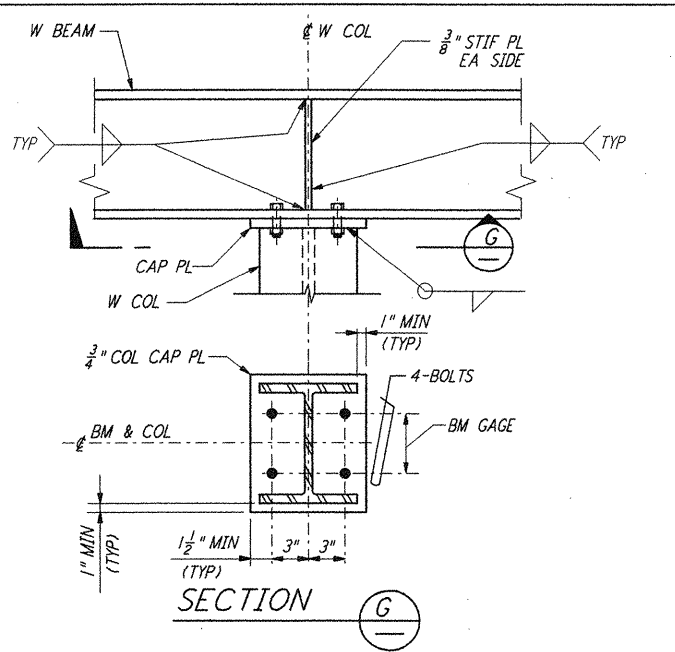
BEAM TO COLUMN BOLTED MOMENT CONNECTION DETAIL (11)



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.

LIGO-D960289-01-0

NO.	DATE	BY	CHKD	ENGR	PROJ	ISSUED FOR AS BUILT	DESCRIPTION
1	6-15-98	CKT	MDW	MDW	MDW	ISSUED FOR AS BUILT	

ISSUED FOR CONSTRUCTION
DRAWN MCS 6-24-98
CHECKED DDM 7-2-98
ENGINEER BP 6-28-98
PROJ MDW 7-9-98

AS-BUILT DRAWINGS

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

SCALE: NONE
SHEET NUMBER: PPI50969
PROJECT NUMBER: 8094

STRUCTURAL STANDARD
STRUCTURAL STEEL CONNECTION DETAILS SHEET I
WA-S-004

5

4

3

2

LIGOWAF.BDR