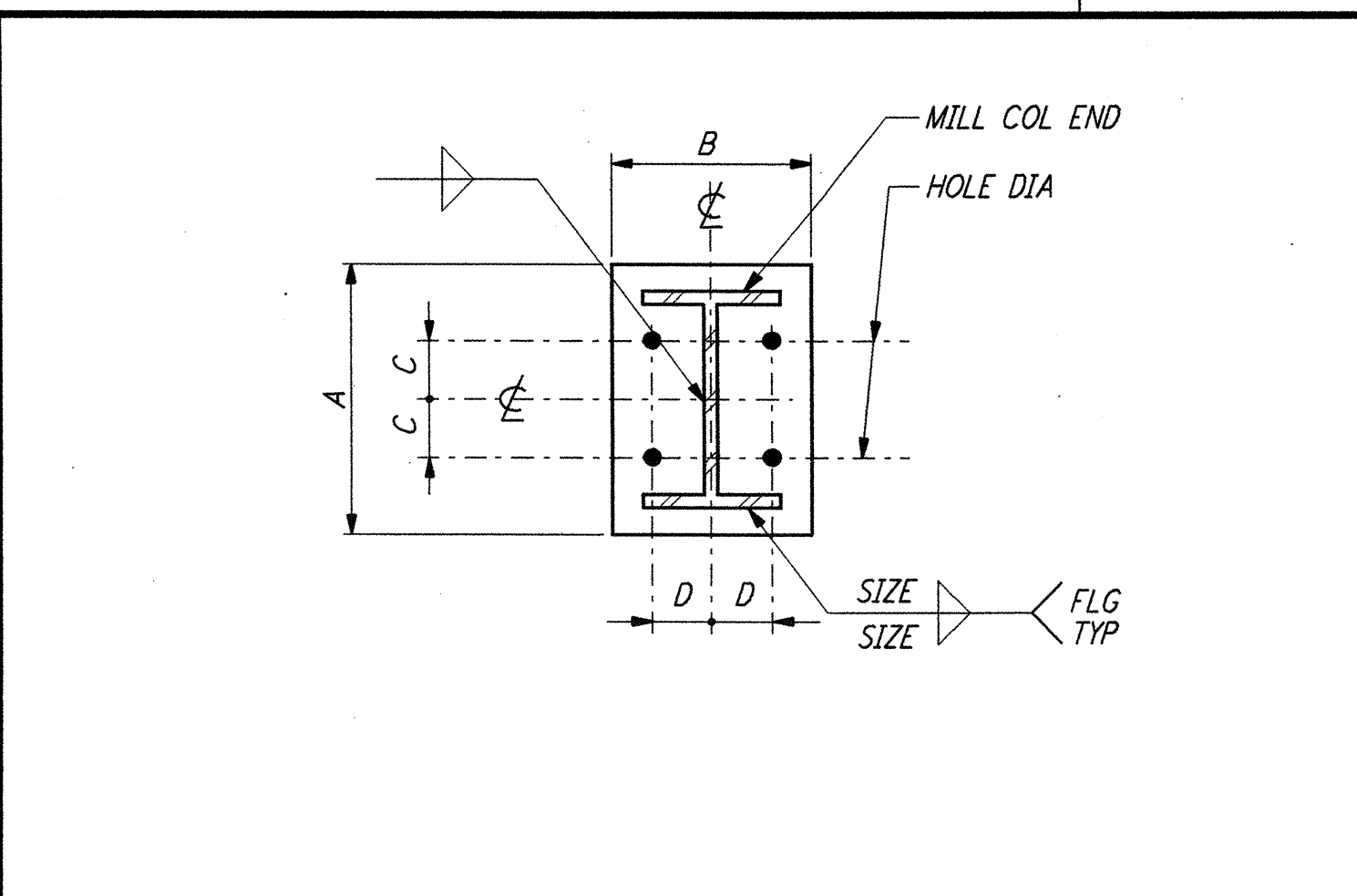
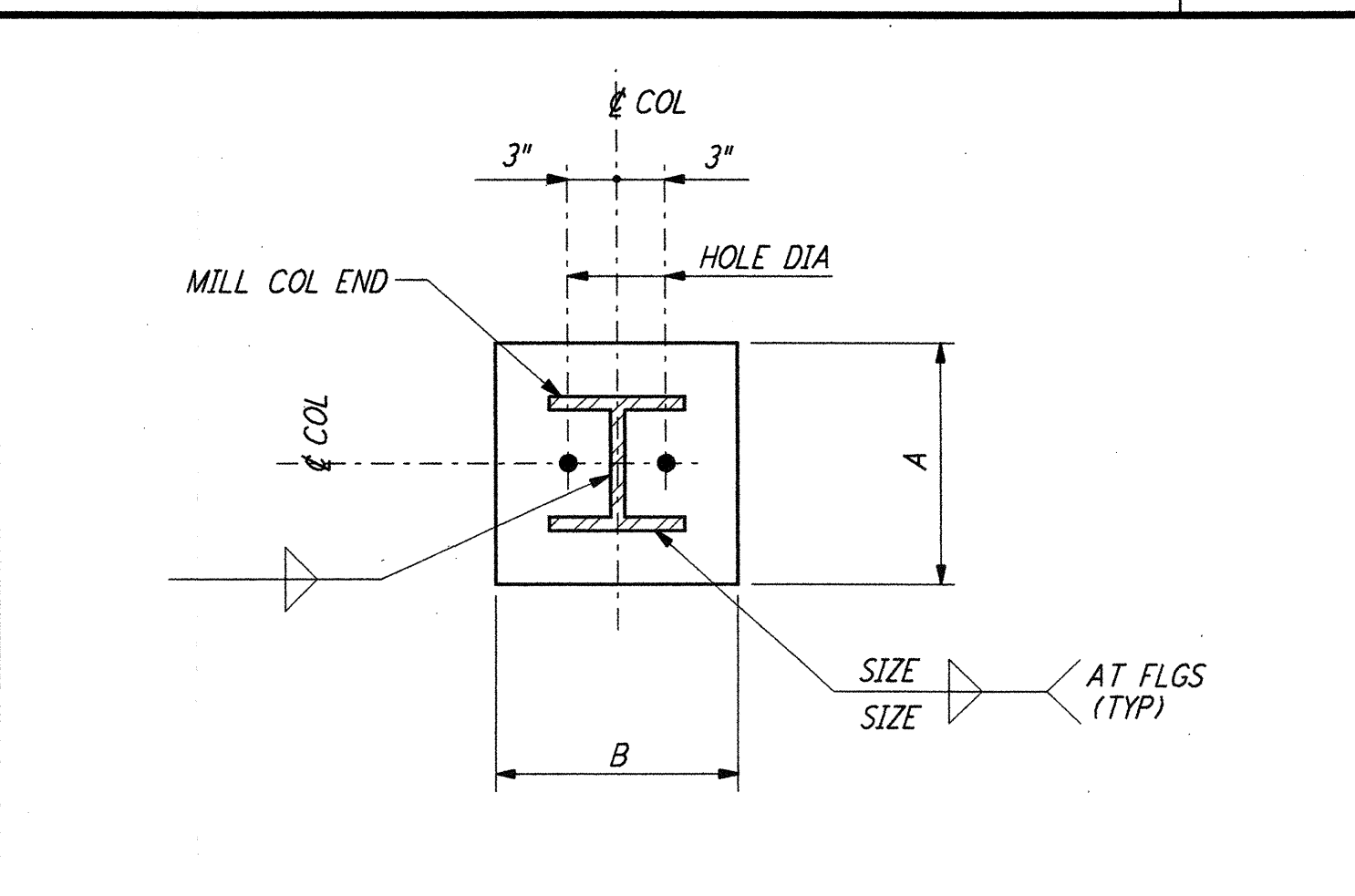


This document and the design it covers are the property of PARSONS. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from PARSONS to the borrower.



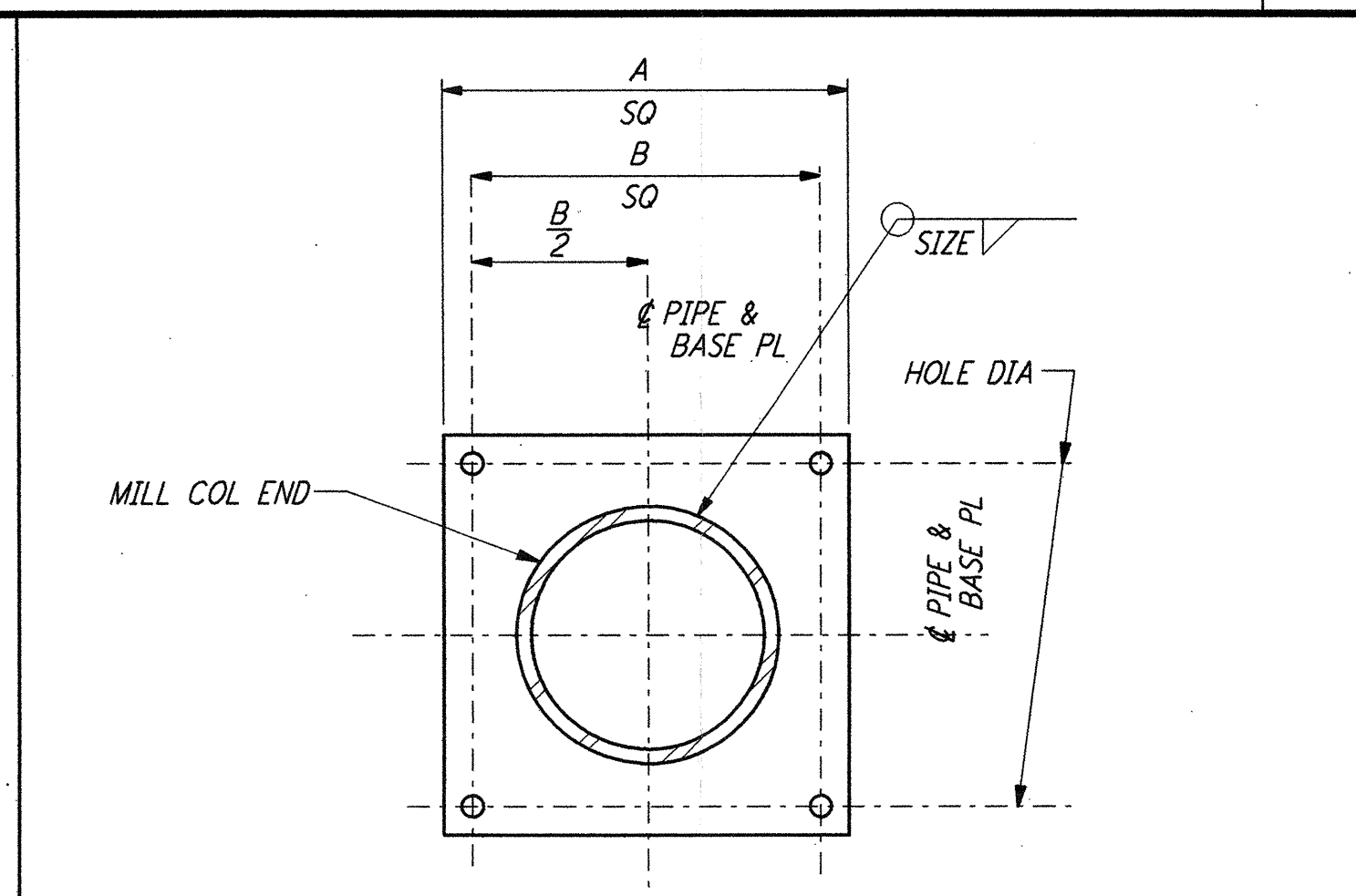
BASE PLATE SCHEDULE						
MEMBER SIZE	A	B	C	D	PL THICK	SIZE WELD
WB	1'-0"	0'-11"	2 1/2"	2 1/2"	1"	5/16"
W10	1'-0"	0'-11"	3"	3"	1"	5/16"
W12	1'-2"	0'-11"	3 1/2"	3 1/2"	1 1/4"	5/16"
W14	1'-4"	1'-4"	3 1/2"	3 1/2"	1 1/4"	5/16"
W16	1'-6"	1'-4"	3 1/2"	3 1/2"	1 1/4"	5/16"

BASE PLATE DETAILS (1)



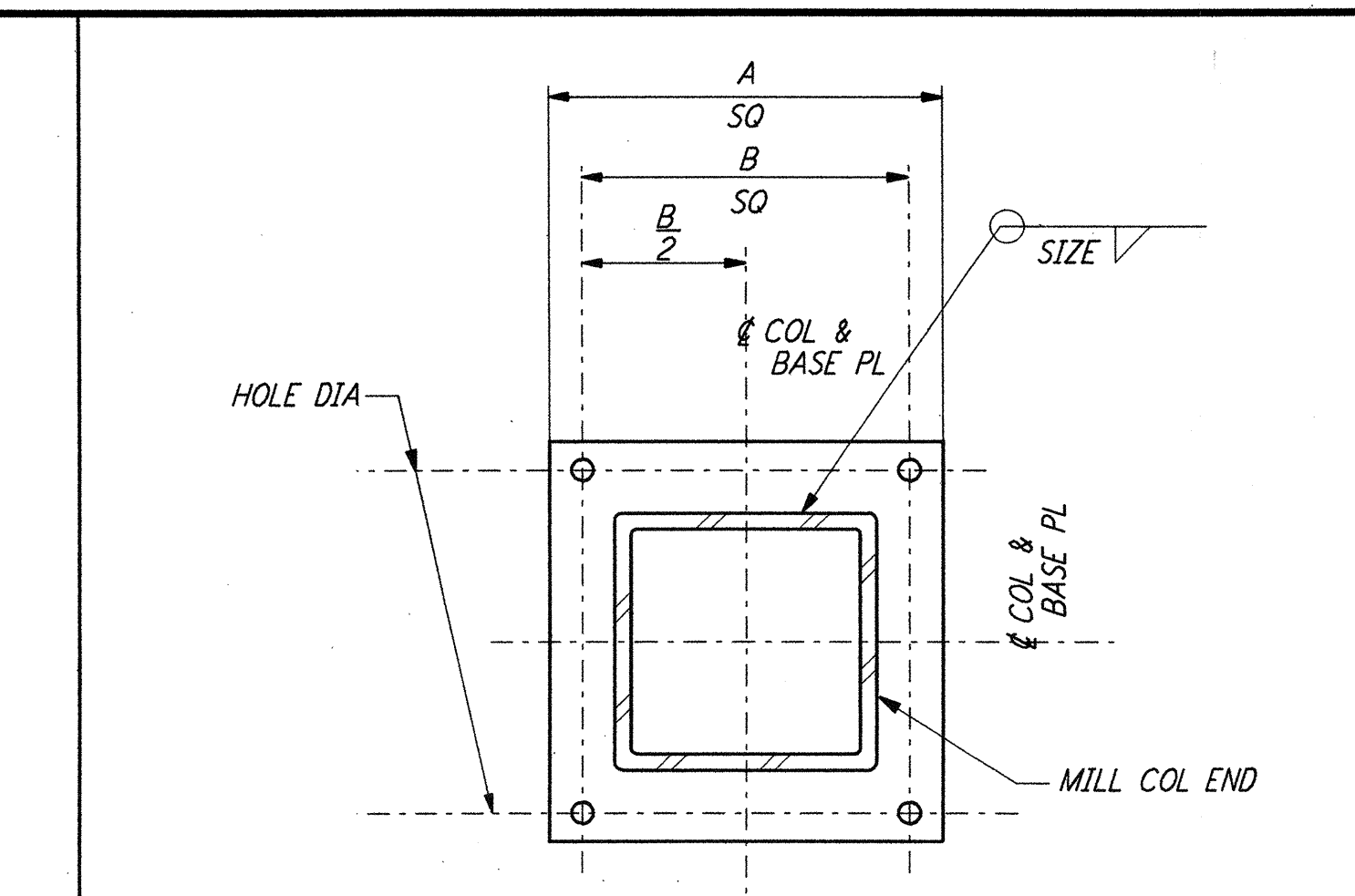
BASE PLATE SCHEDULE					
MEMBER SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
WB	0'-10"	0'-10"	3/4"	1 3/8"	1/4"
W10	1'-0"	0'-10"	1"	1 3/8"	5/16"
W12	1'-2"	0'-10"	1"	1 3/8"	5/16"
W14	1'-4"	0'-10"	1 1/4"	1 5/8"	5/16"
W16	1'-6"	0'-10"	1 1/4"	1 5/8"	5/16"

BASE PLATE DETAIL (2)



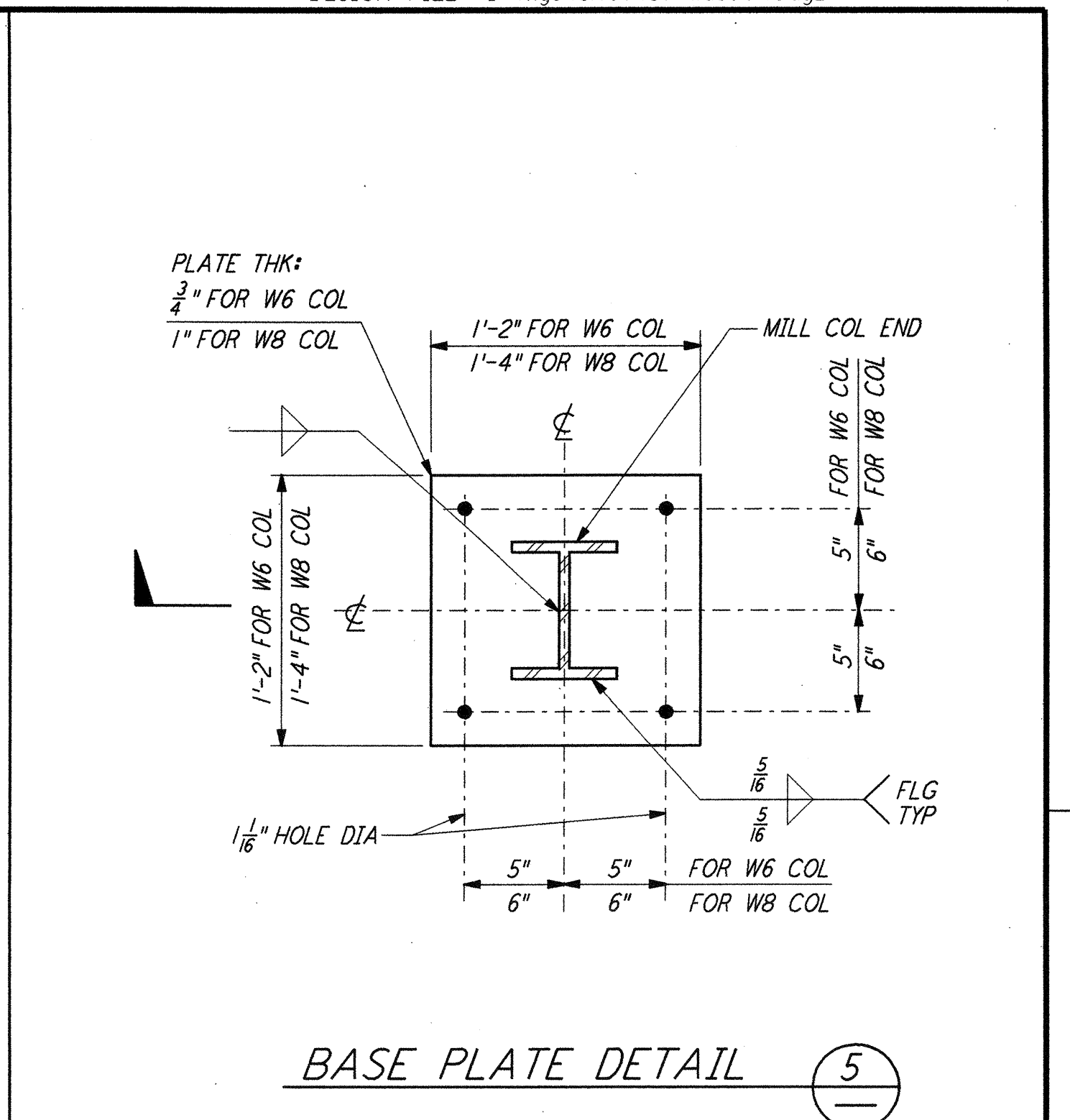
BASE PLATE SCHEDULE					
PIPE DIA	A	B	PL THICK	HOLE DIA	SIZE WELD
3"	1'-0"	0'-6"	3/4"	1 3/8"	1/4"
4"	1'-0"	0'-8"	1"	1 3/8"	1/4"
5"	1'-2"	0'-10"	1 1/4"	1 3/8"	1/4"
6"	1'-4"	1'-0"	1 1/4"	1 3/8"	5/16"
8"	1'-4"	1'-0"	1 1/2"	1 3/8"	3/8"

PIPE BASE PLATE DETAIL (3)

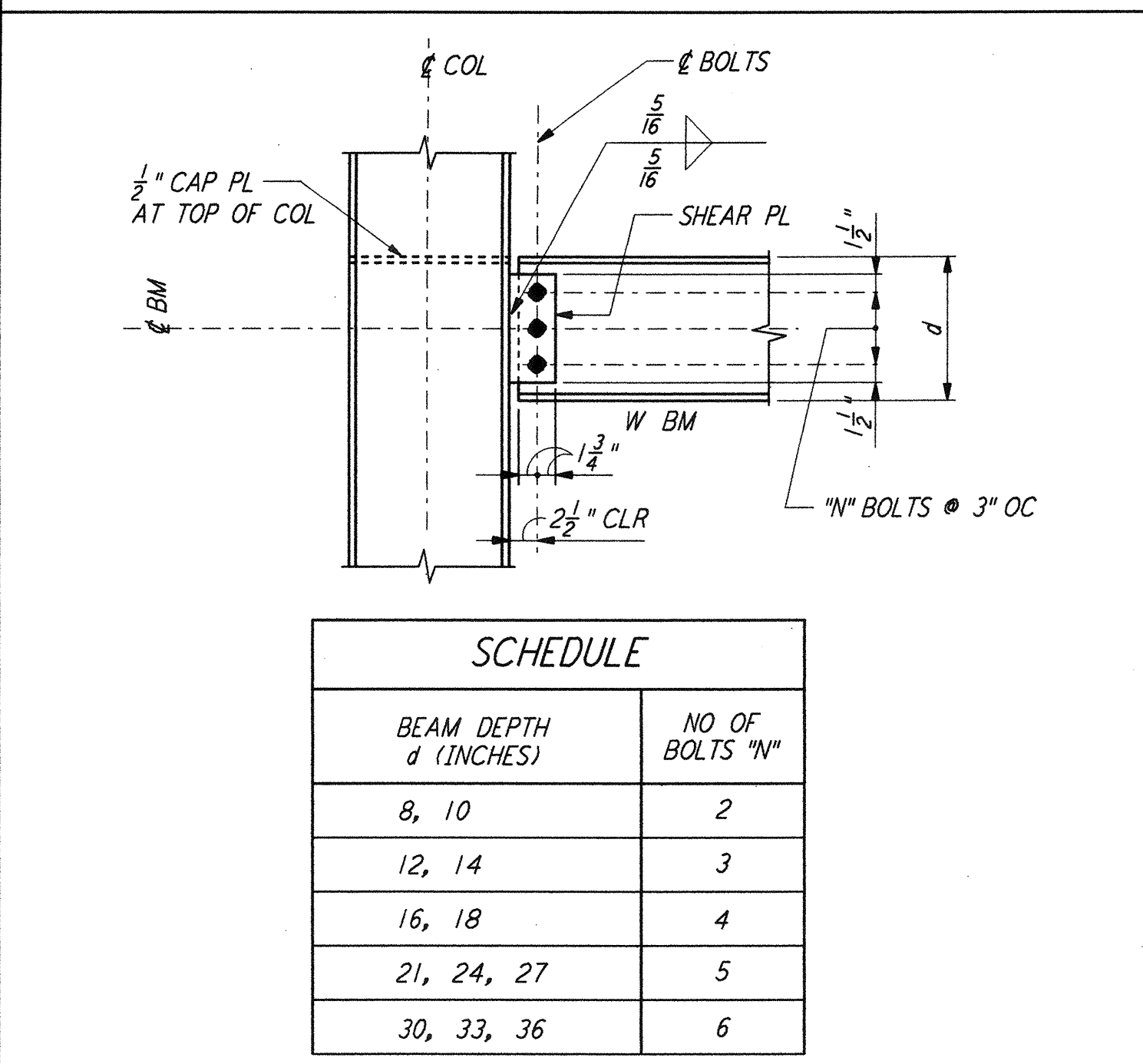


BASE PLATE SCHEDULE					
COL SIZE	A	B	PL THICK	HOLE DIA	SIZE WELD
TS4X4	1'-0"	0'-8"	1"	1 3/8"	1/4"
TS5X5	1'-2"	0'-10"	1 1/4"	1 3/8"	1/4"
TS6X6	1'-4"	1'-0"	1 1/4"	1 3/8"	5/16"
TS7X7	1'-6"	1'-2"	1 1/2"	1 3/8"	5/16"
TS8X8	1'-6"	1'-2"	1 1/2"	1 3/8"	5/16"

TS BASE PLATE DETAIL (4)

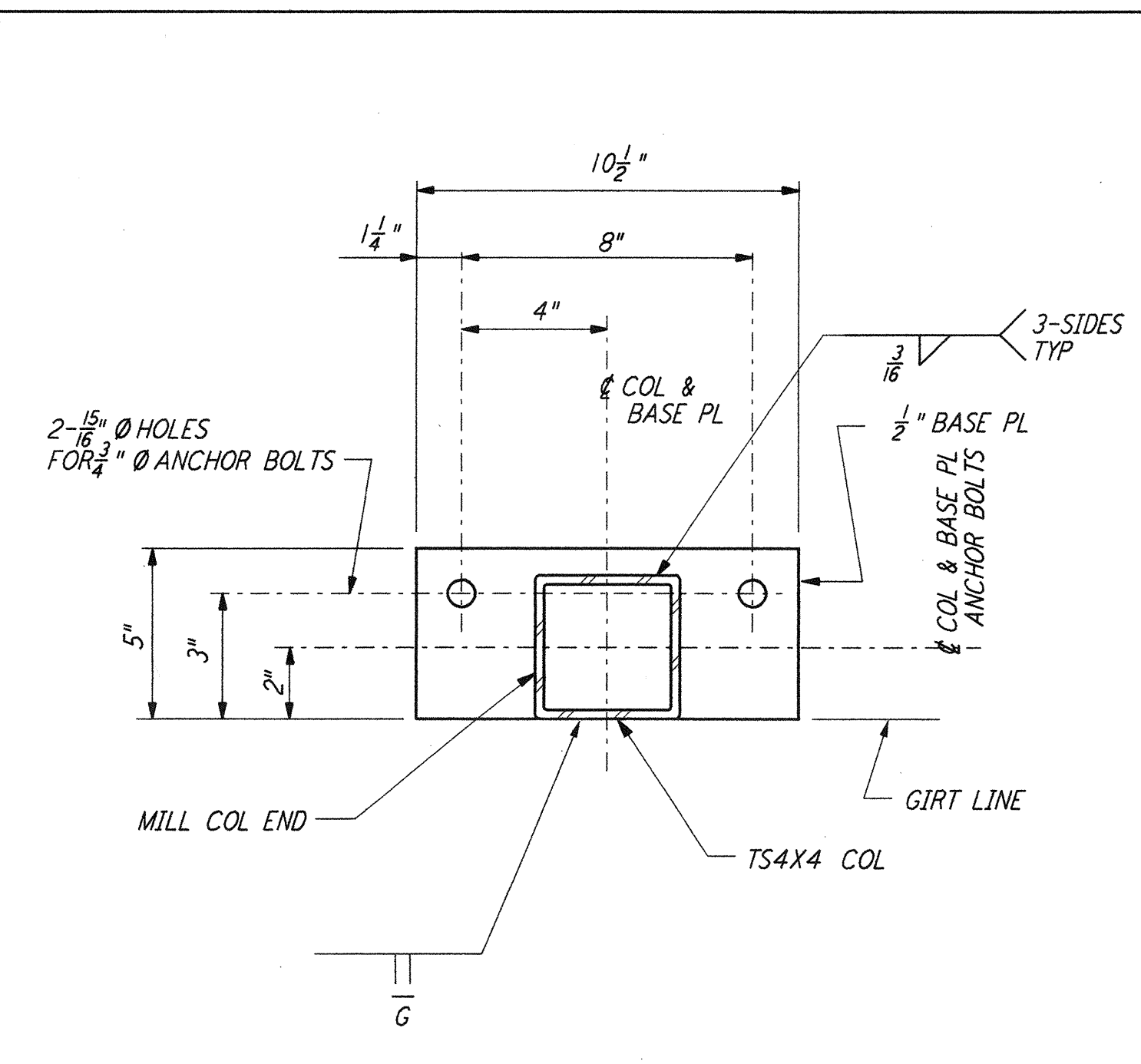


BASE PLATE DETAIL (5)

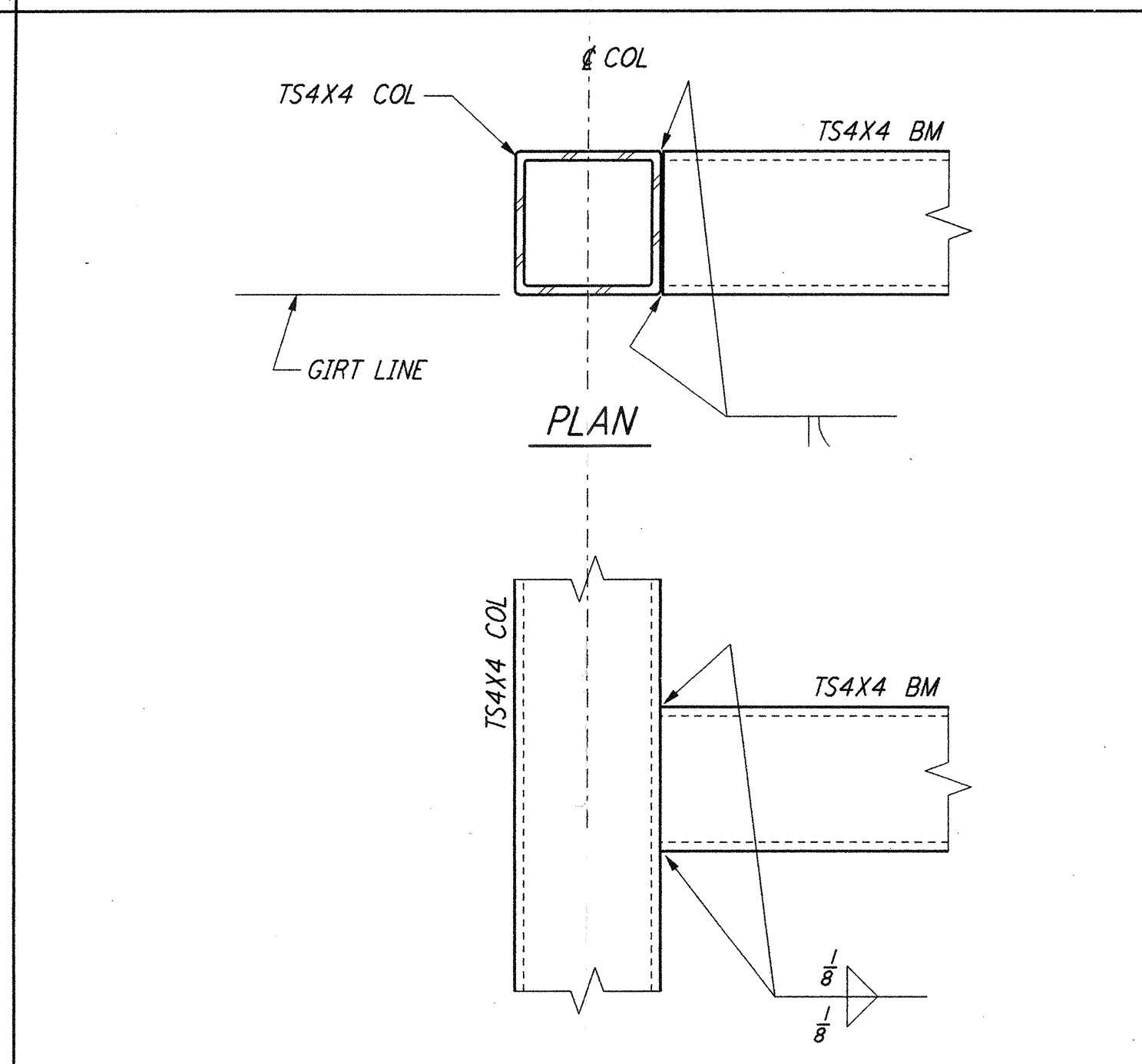


SCHEDULE	
BEAM DEPTH d (INCHES)	NO OF BOLTS "N"
8, 10	2
12, 14	3
16, 18	4
21, 24, 27	5
30, 33, 36	6

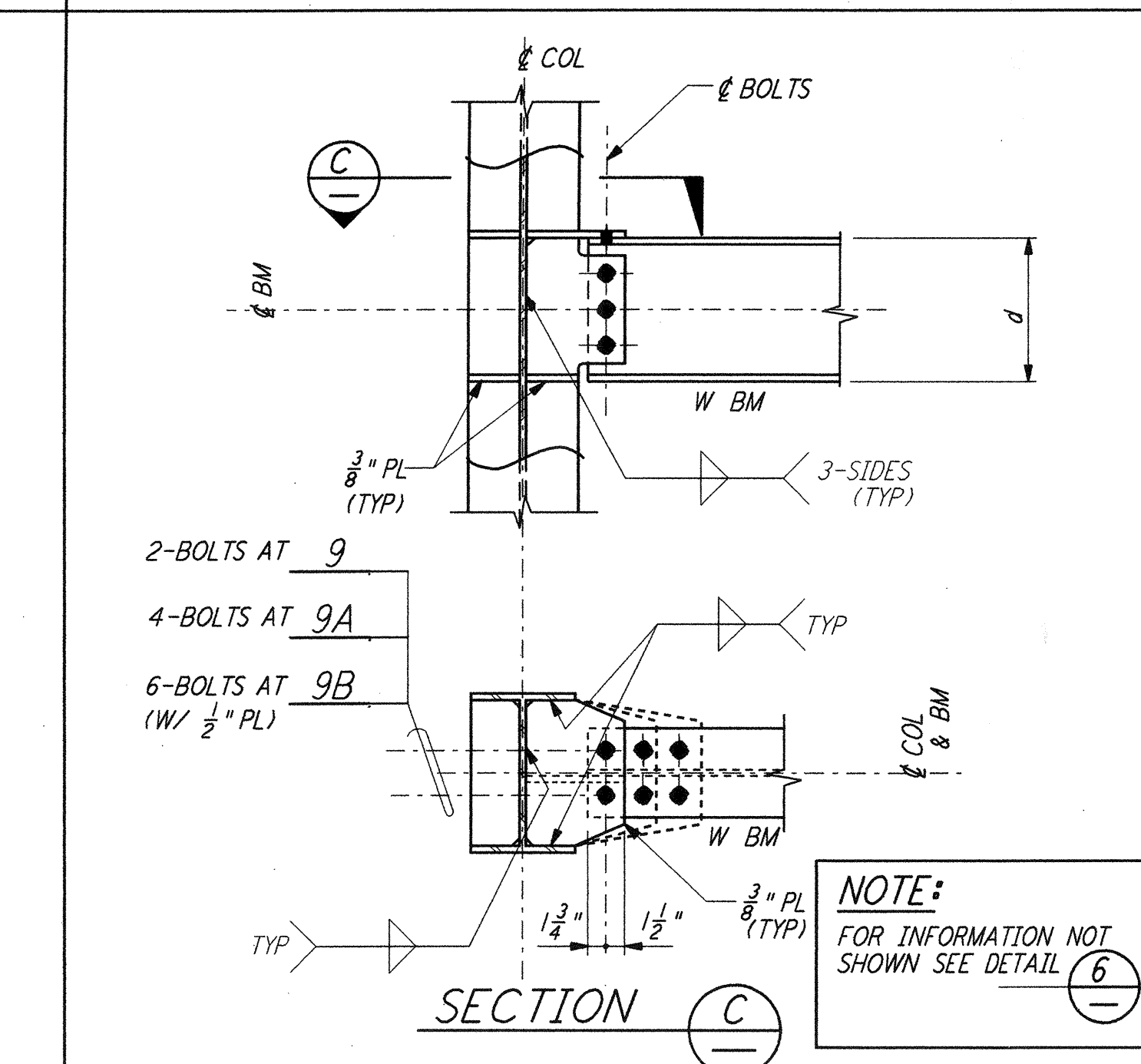
BEAM TO COLUMN CONNECTION DETAIL (6)



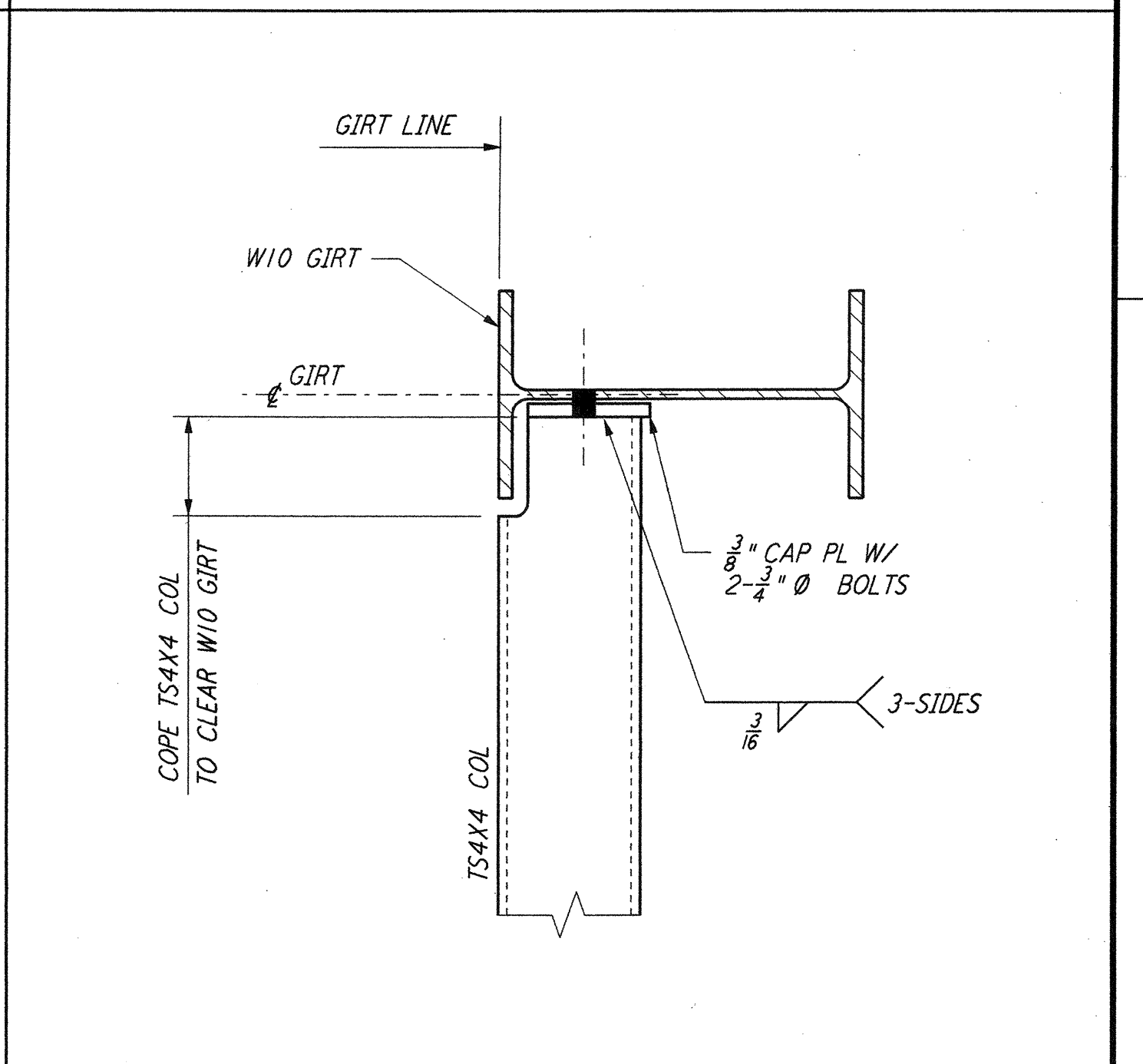
BASE PLATE DETAIL (7)



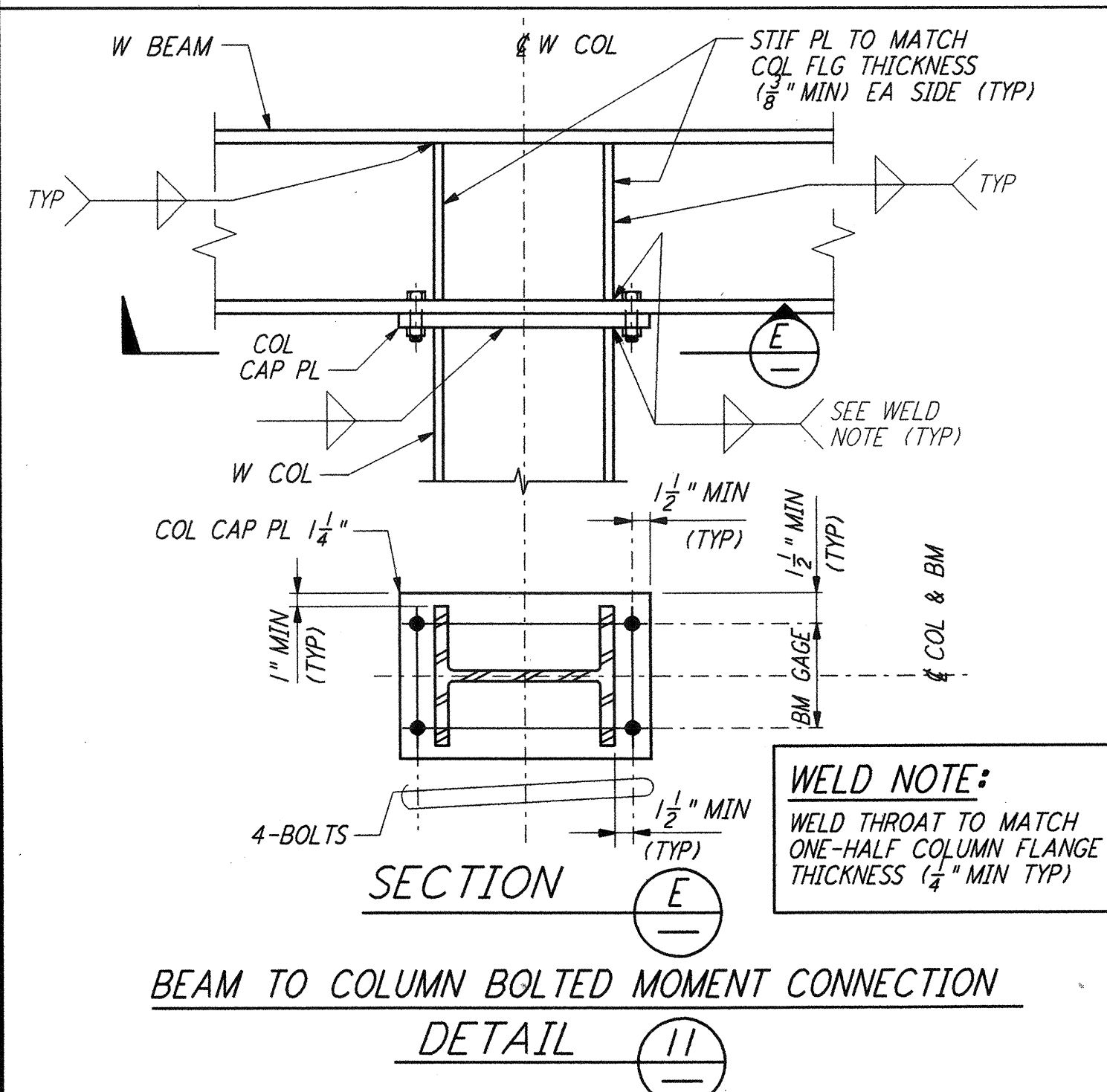
ELEVATION DETAIL (8)



STRUT BEAM TO COLUMN CONNECTION DETAIL (9)

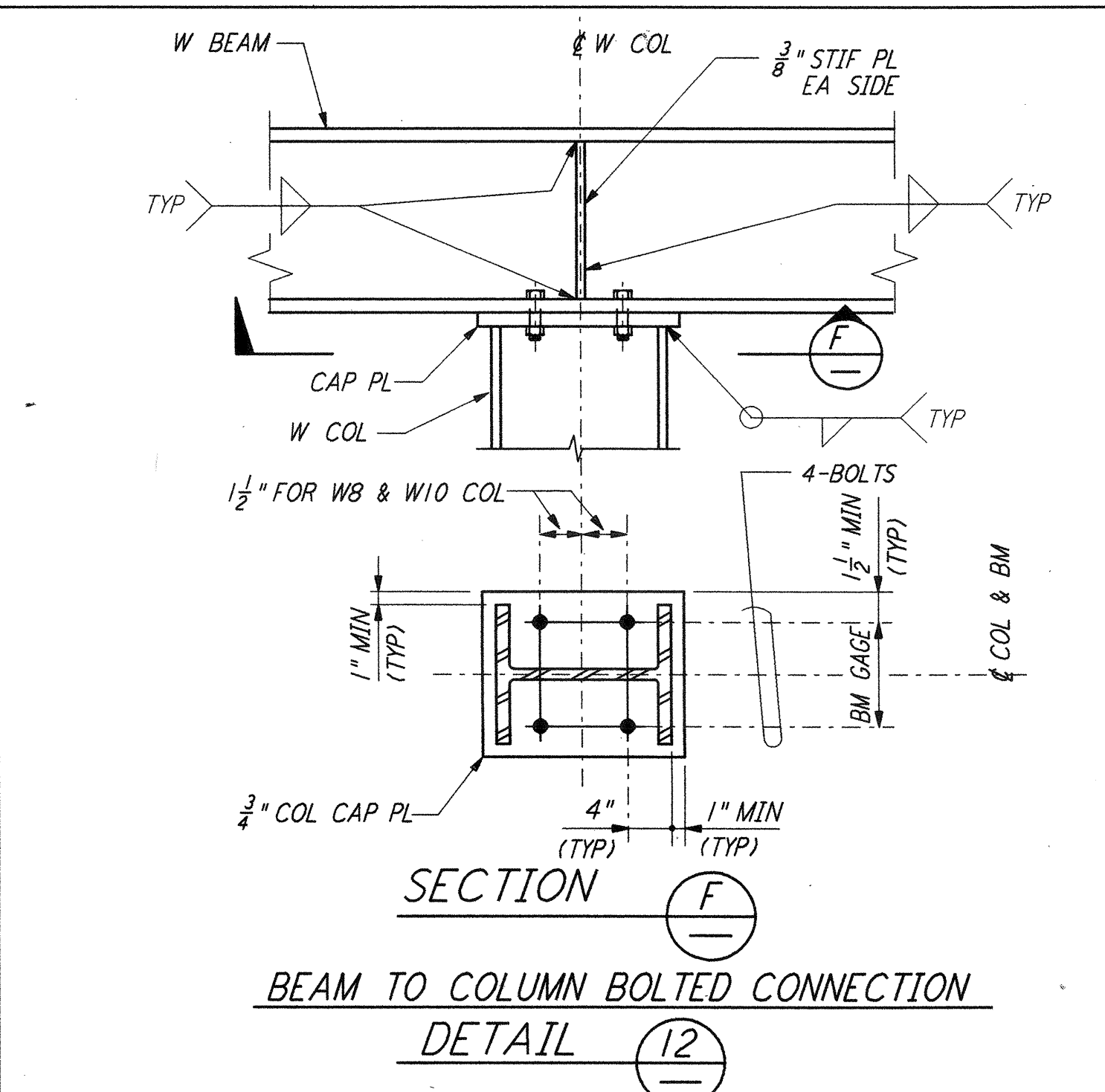


DETAIL (10)

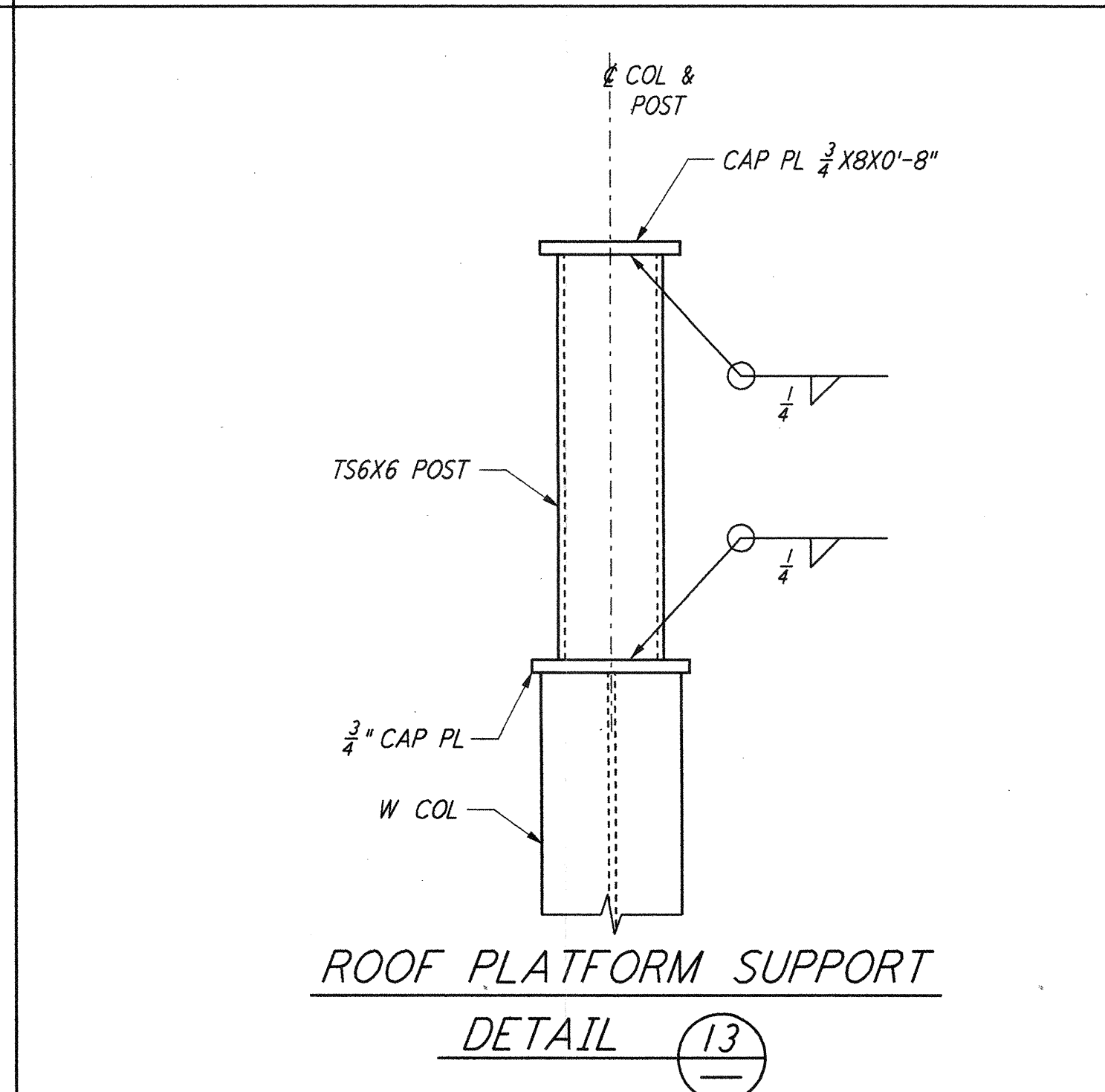


WELD NOTE:
 WELD THROAT TO MATCH ONE-HALF COLUMN FLANGE THICKNESS (1/2" MIN TYP)

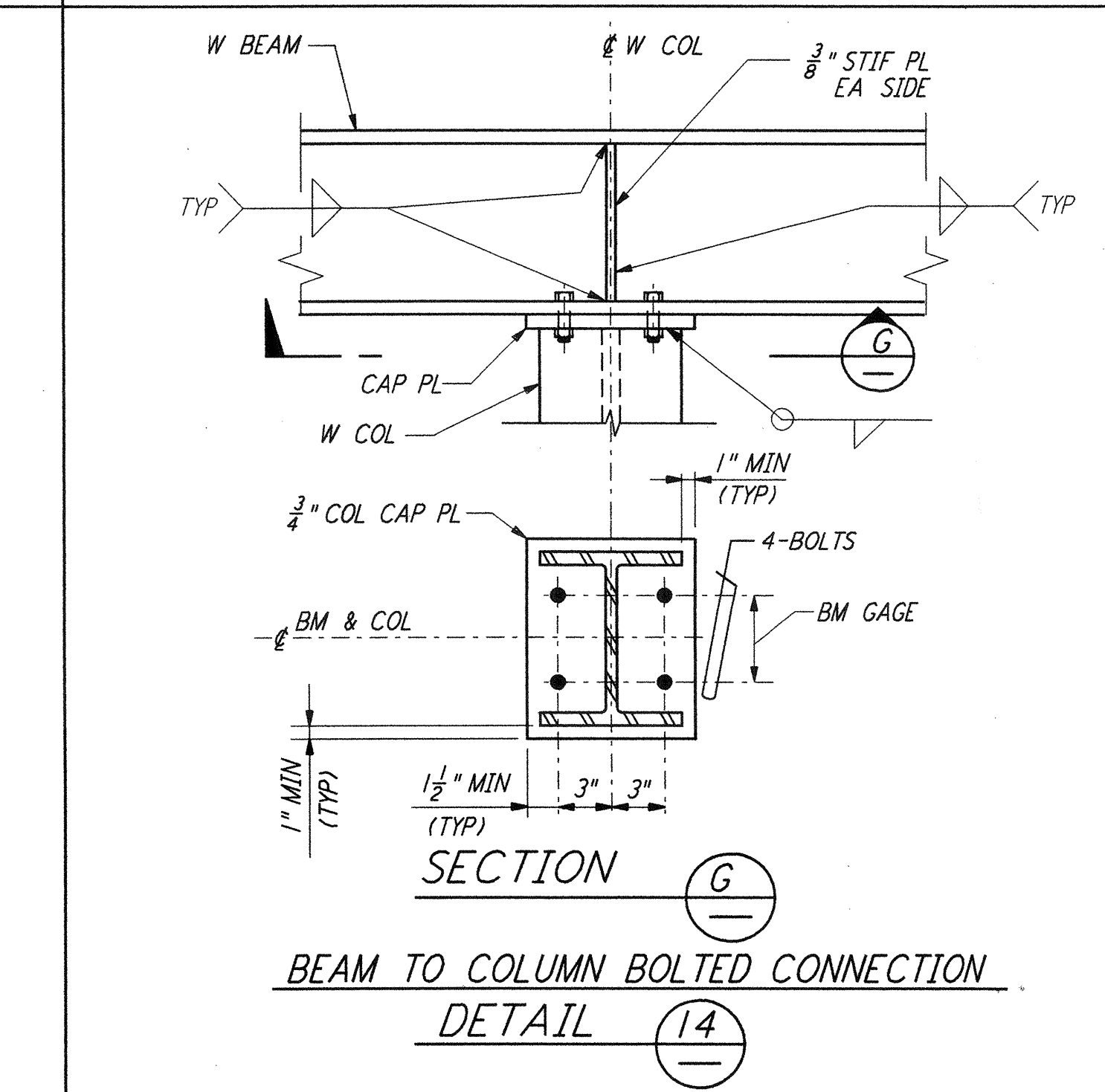
BEAM TO COLUMN BOLTED MOMENT CONNECTION DETAIL (11)



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.

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

ISSUED FOR CONSTRUCTION
 DRAWN MCS 6-24-96
 CHECKED DDM 7-2-96
 ENGINEER BP 6-28-96
 PROJ MDW 7-9-96

AS-BUILT DRAWINGS

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D960289-01-0

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

TITLE	STRUCTURAL STANDARD	CONTRACT NUMBER	PP150969	PROJECT NUMBER	8094
SCALE	NONE	SHEET NUMBER	WA-S-004	REVISIONS	

Mon Jul 06 15:42:26 1998 G:\PLOT\QUE\33\3682\0CF 62085 KAV3682\41004.prf