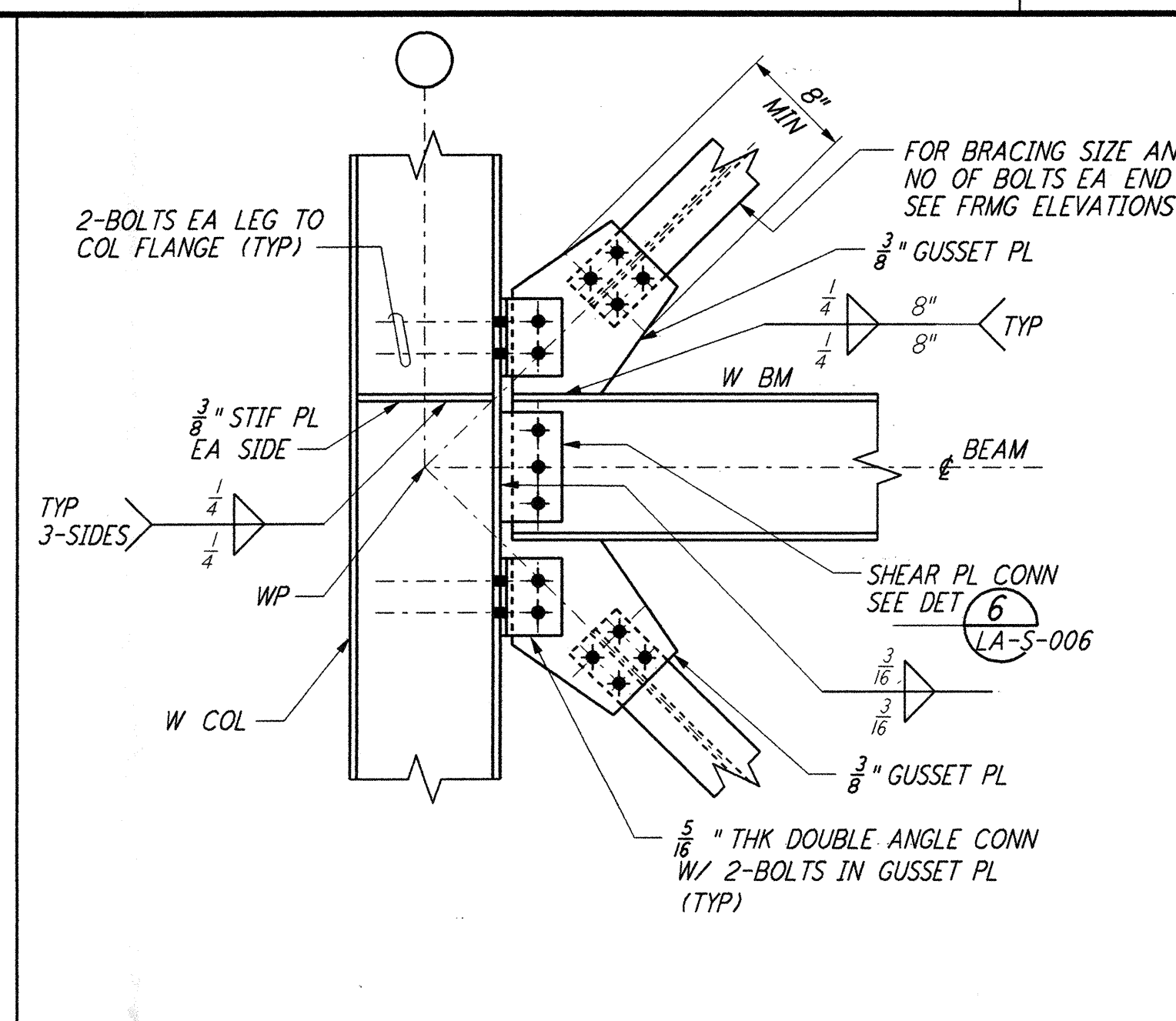
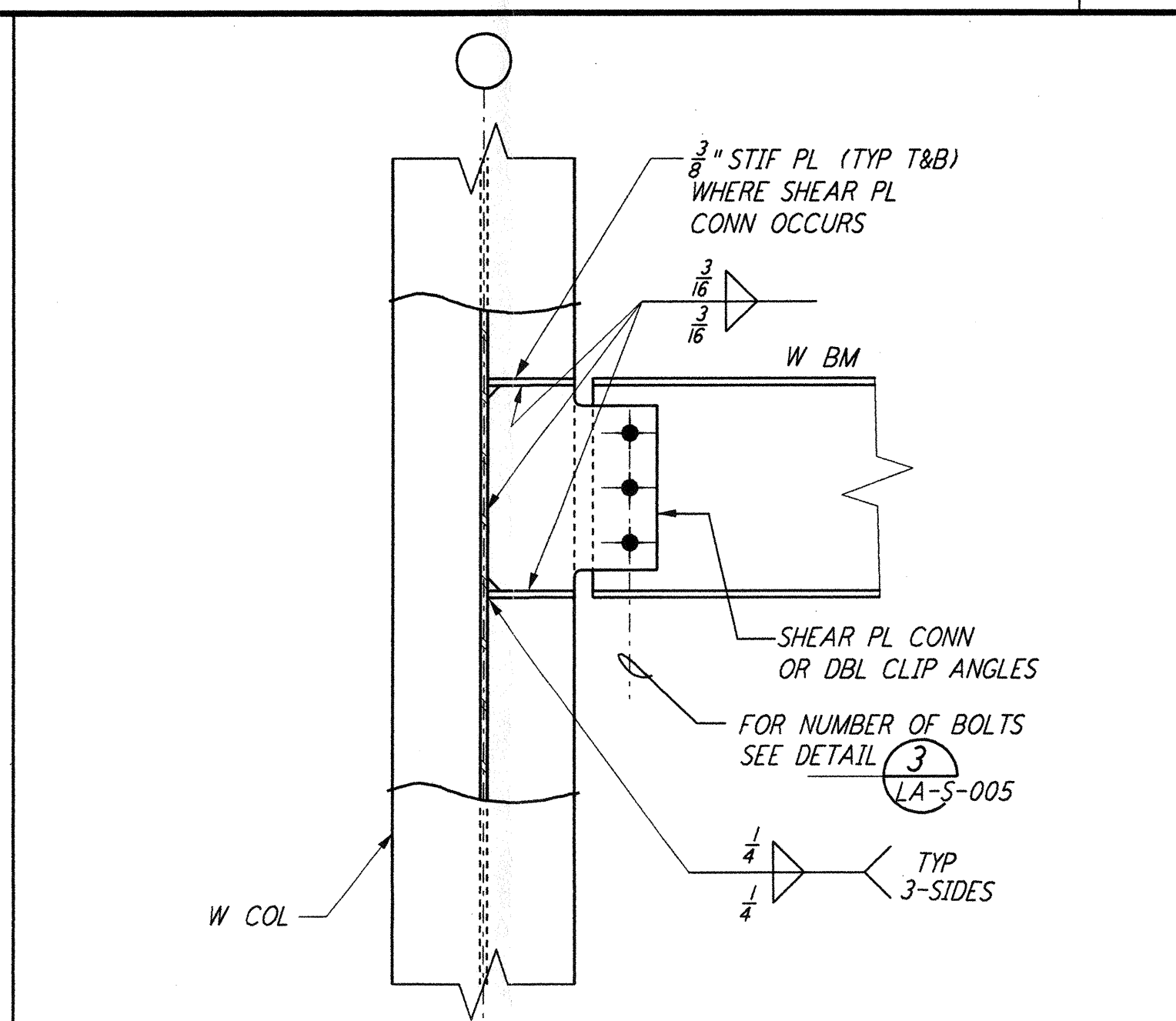


TYP VERTICAL BRACING TO COLUMN WEB CONNECTION
 DETAIL 1

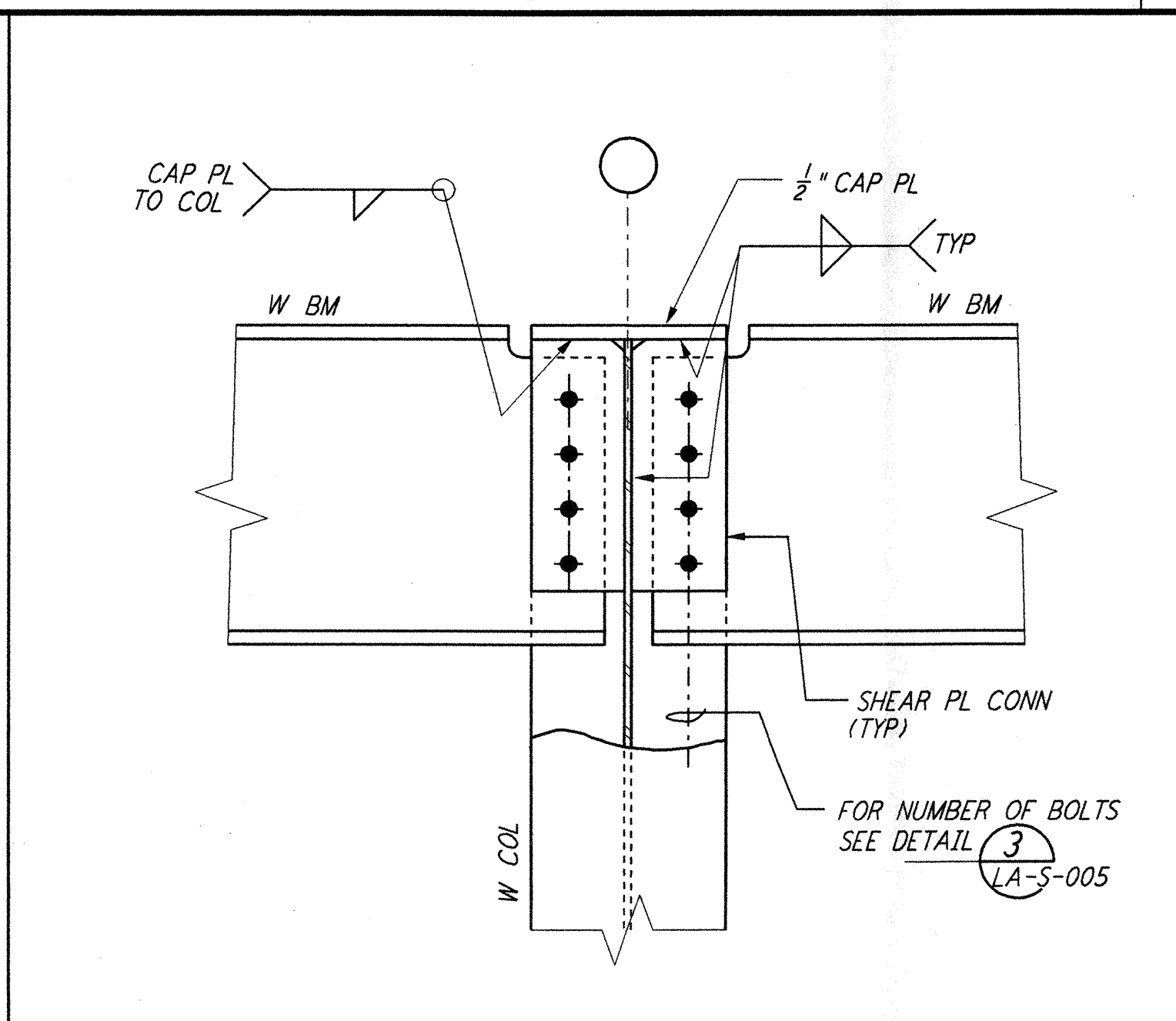
NO OF BOLTS EA END OF VERTICAL BRACING	"L" BOLTS	"M" BOLTS
6	0'-10"	3
4	0'-8"	2



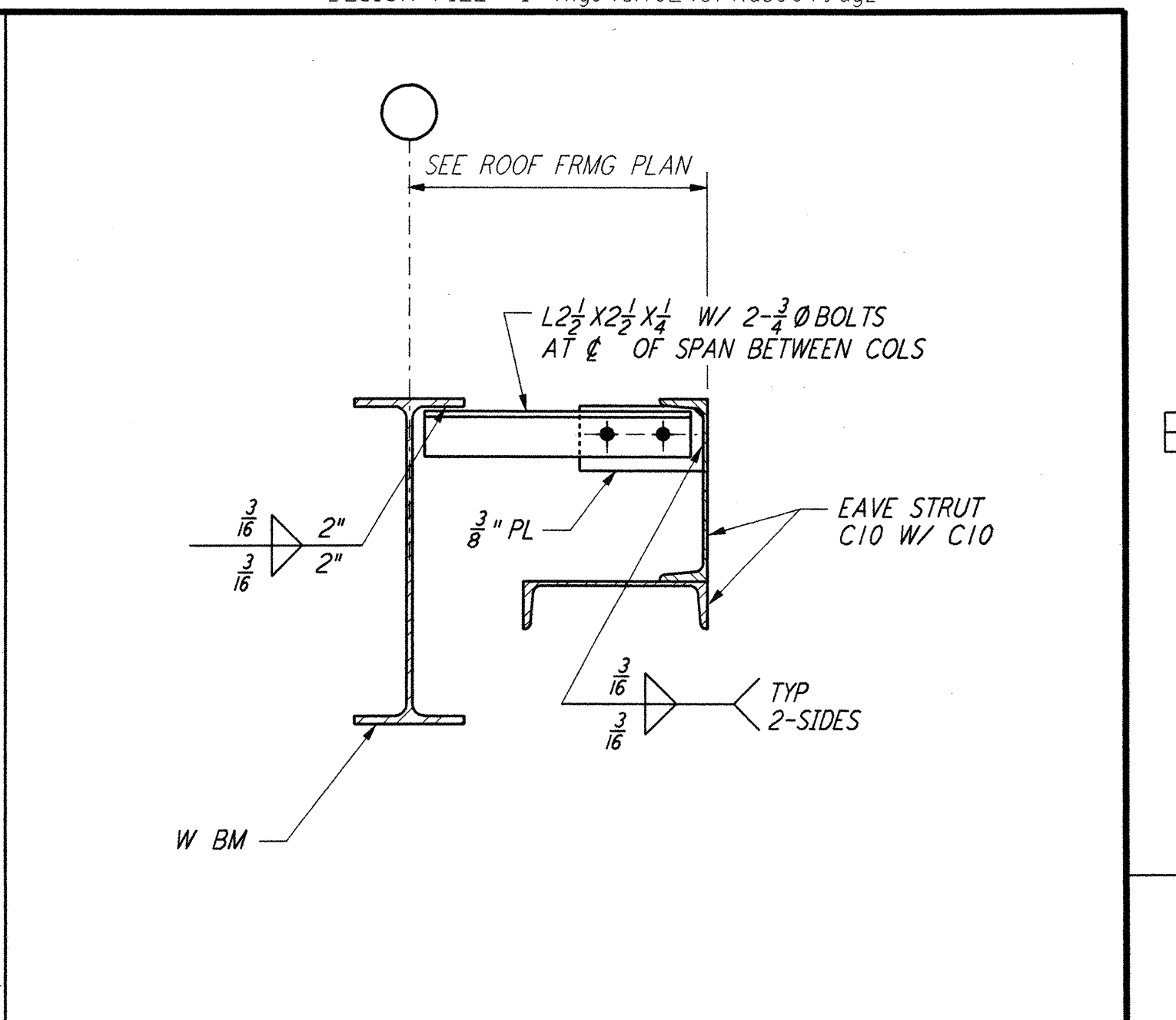
TYP VERTICAL BRACING TO COLUMN FLANGE CONNECTION
 DETAIL 2



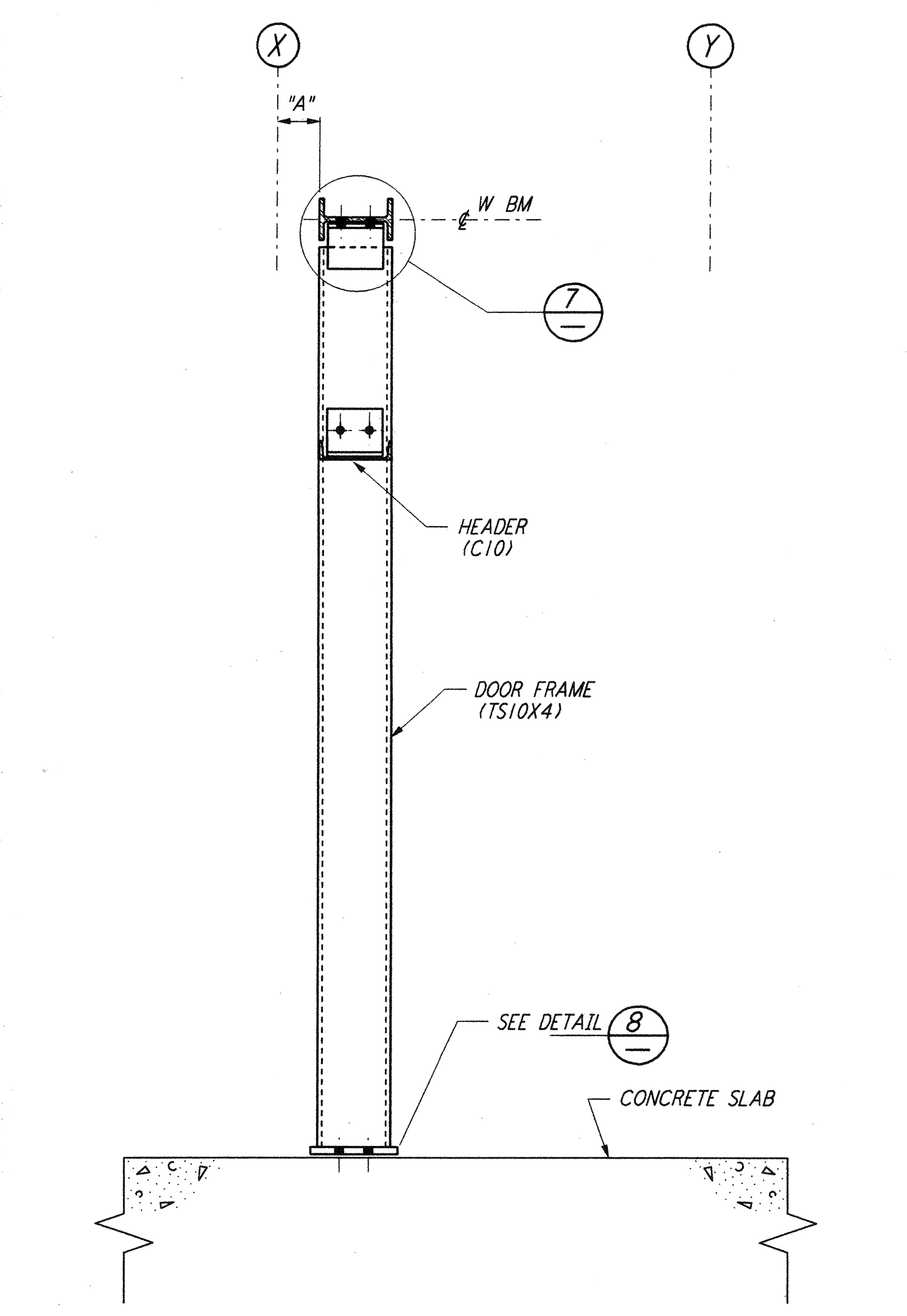
BEAM TO COL WEB CONNECTION
 DETAIL 3



BEAM TO COL CONNECTION
 DETAIL 4

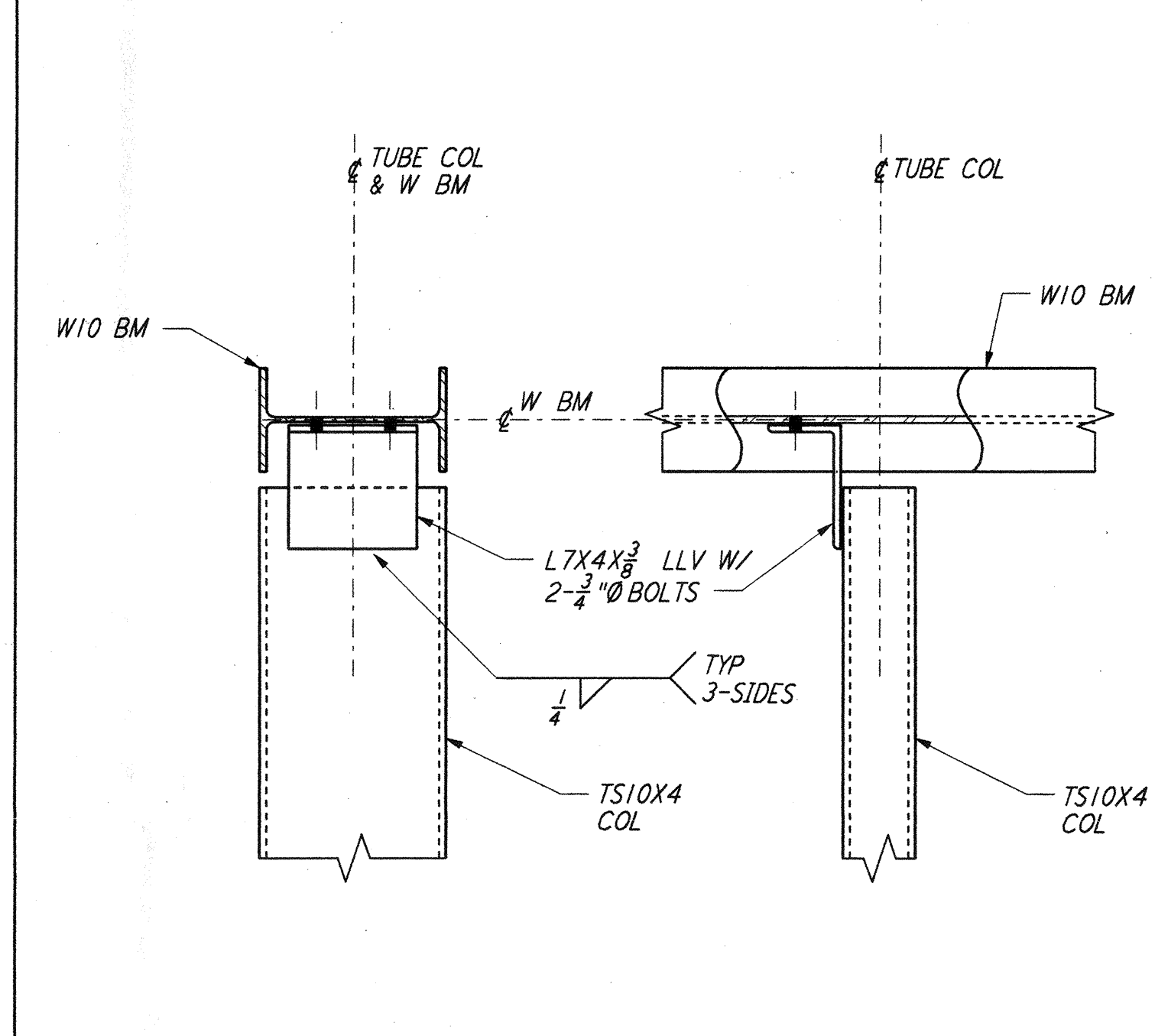


EAVE STRUT BRACING CONNECTION
 DETAIL 5

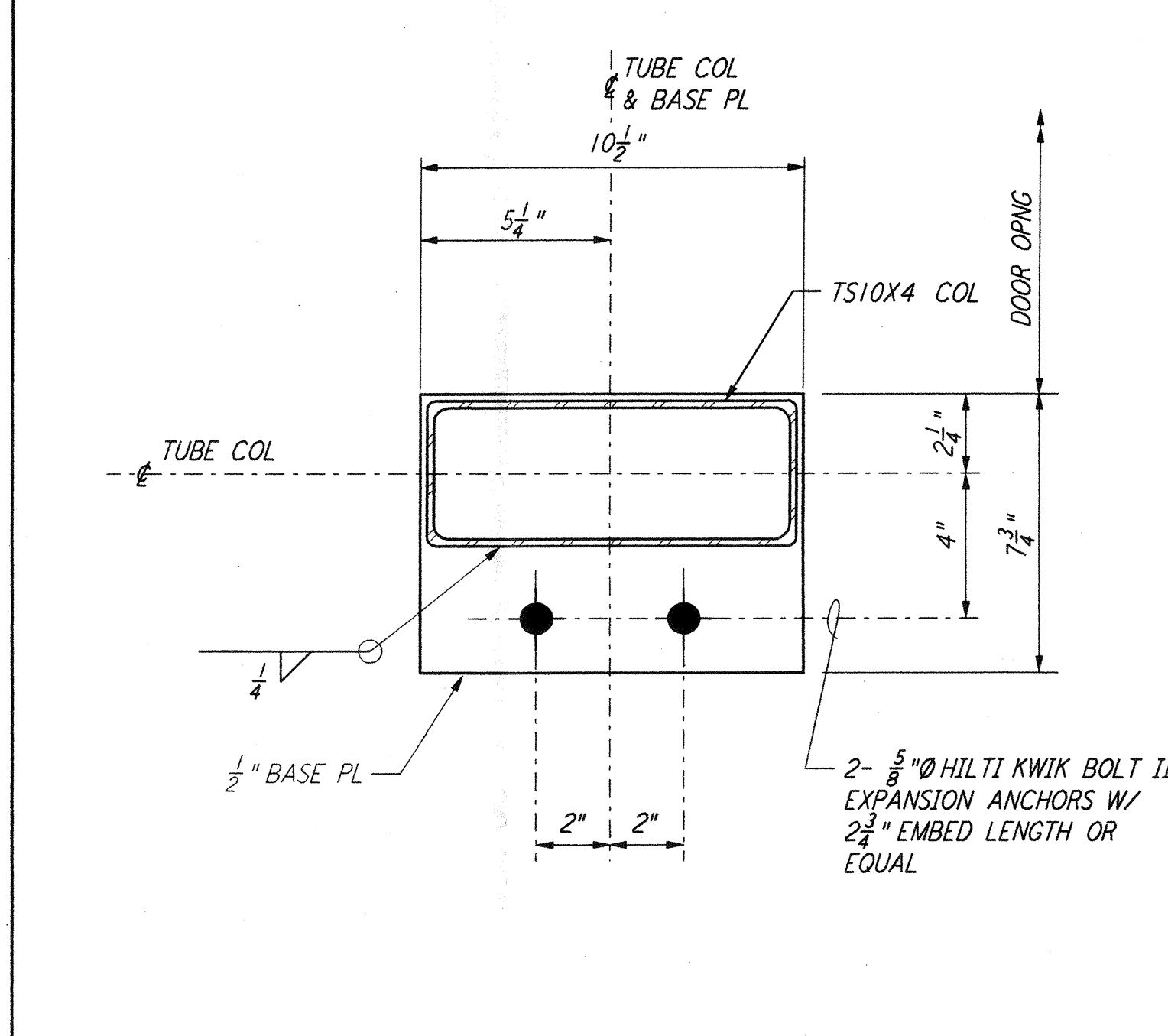


BUILDING ID	DOOR ID	DIMENSION "A"	FROM GRID (X)	TOWARD GRID (Y)
LVEA	101B	7 3/4"	7	8
OSB	170A	9'-9 1/2"	K.3	L.3
OSB	171B	6 1/2"	11.3	12.3
OSB	172B	6 1/2"	11.3	12.3
OSB	173B	3 1/2"	M.3	L.3
END STATION	205A	4 3/4"	C	D
END STATION	205B	8 3/8"	B	A

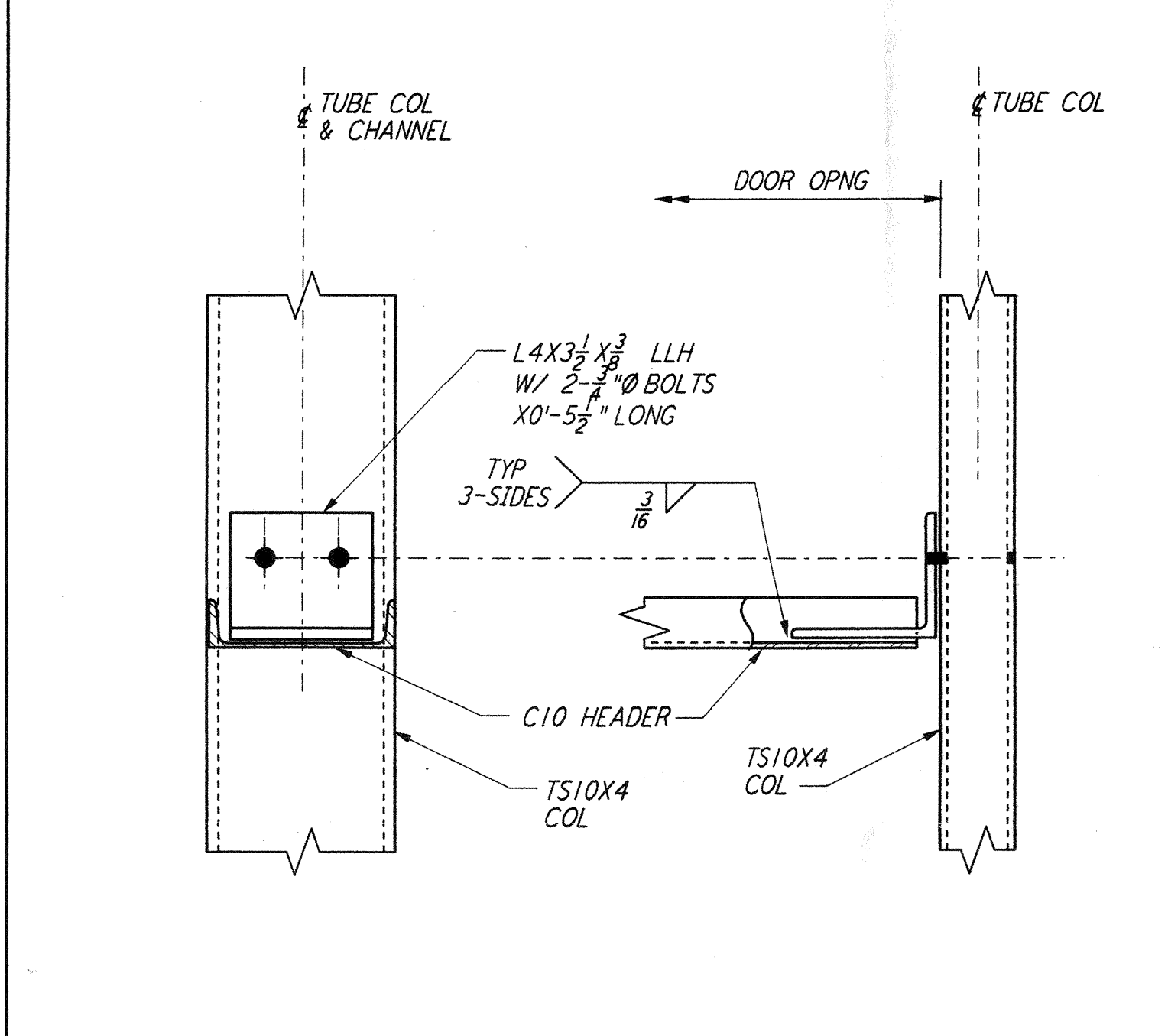
INTERIOR ROLLED-UP DOOR FRAMING
 DETAIL 6



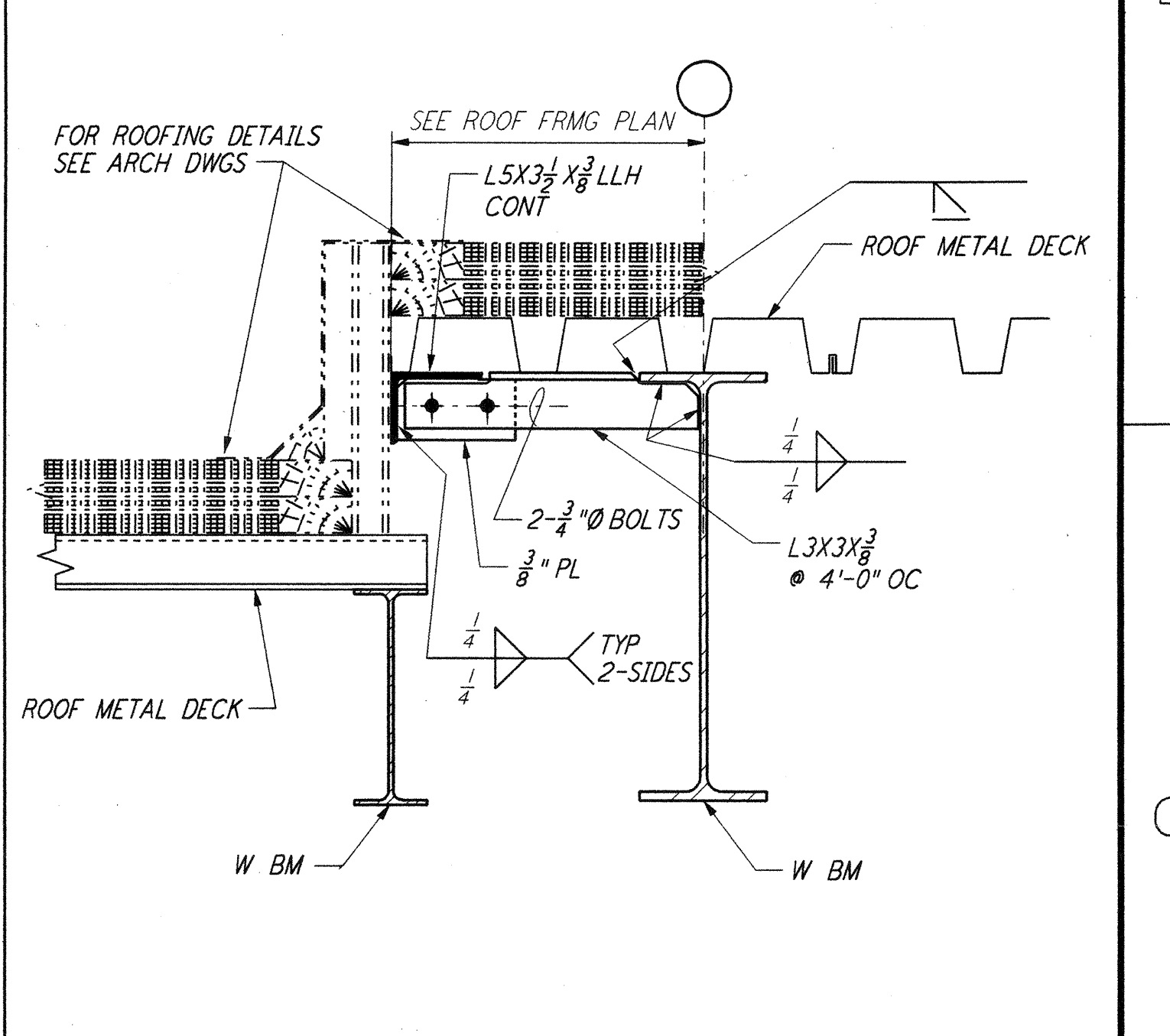
DETAIL 7



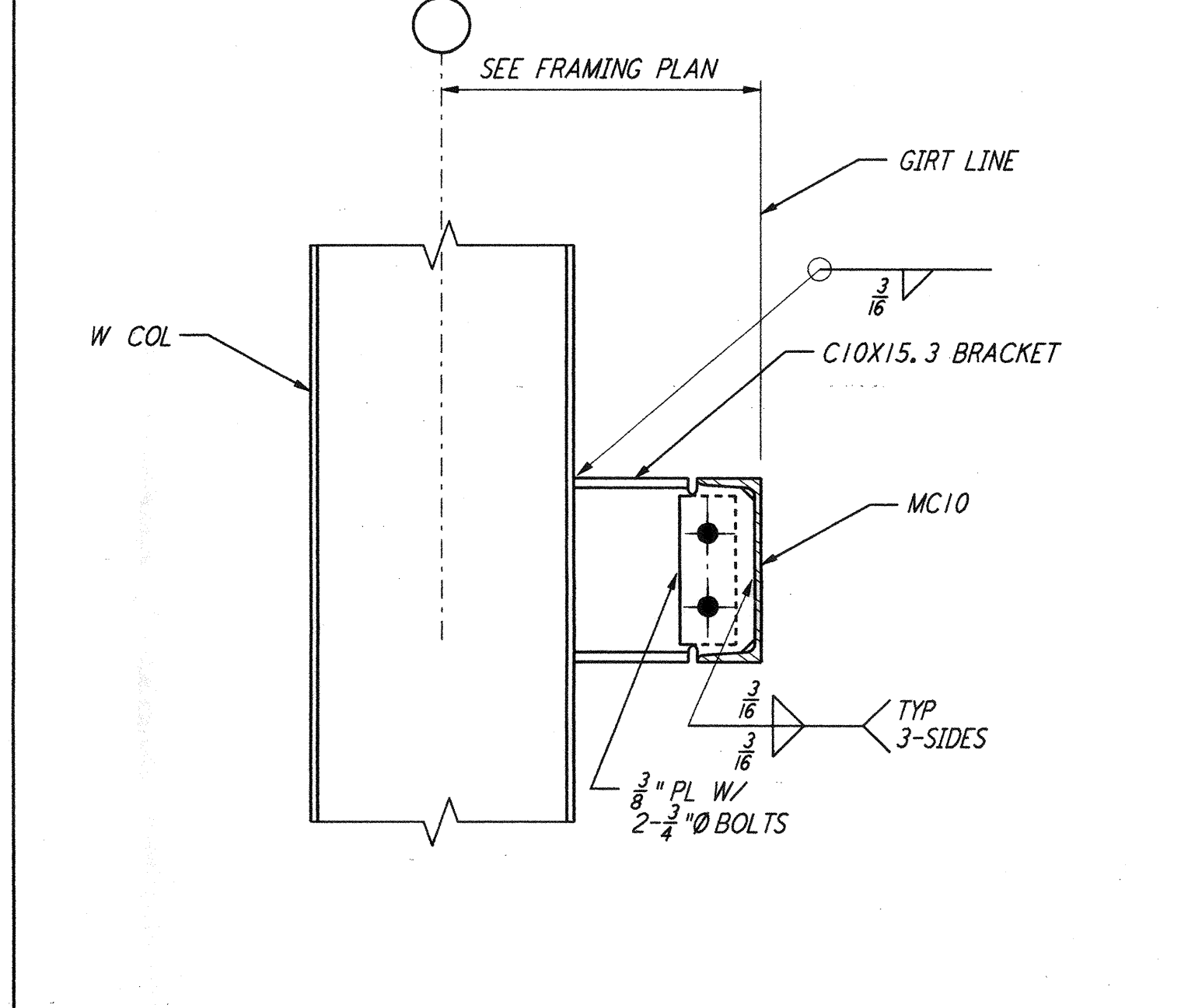
DETAIL 8



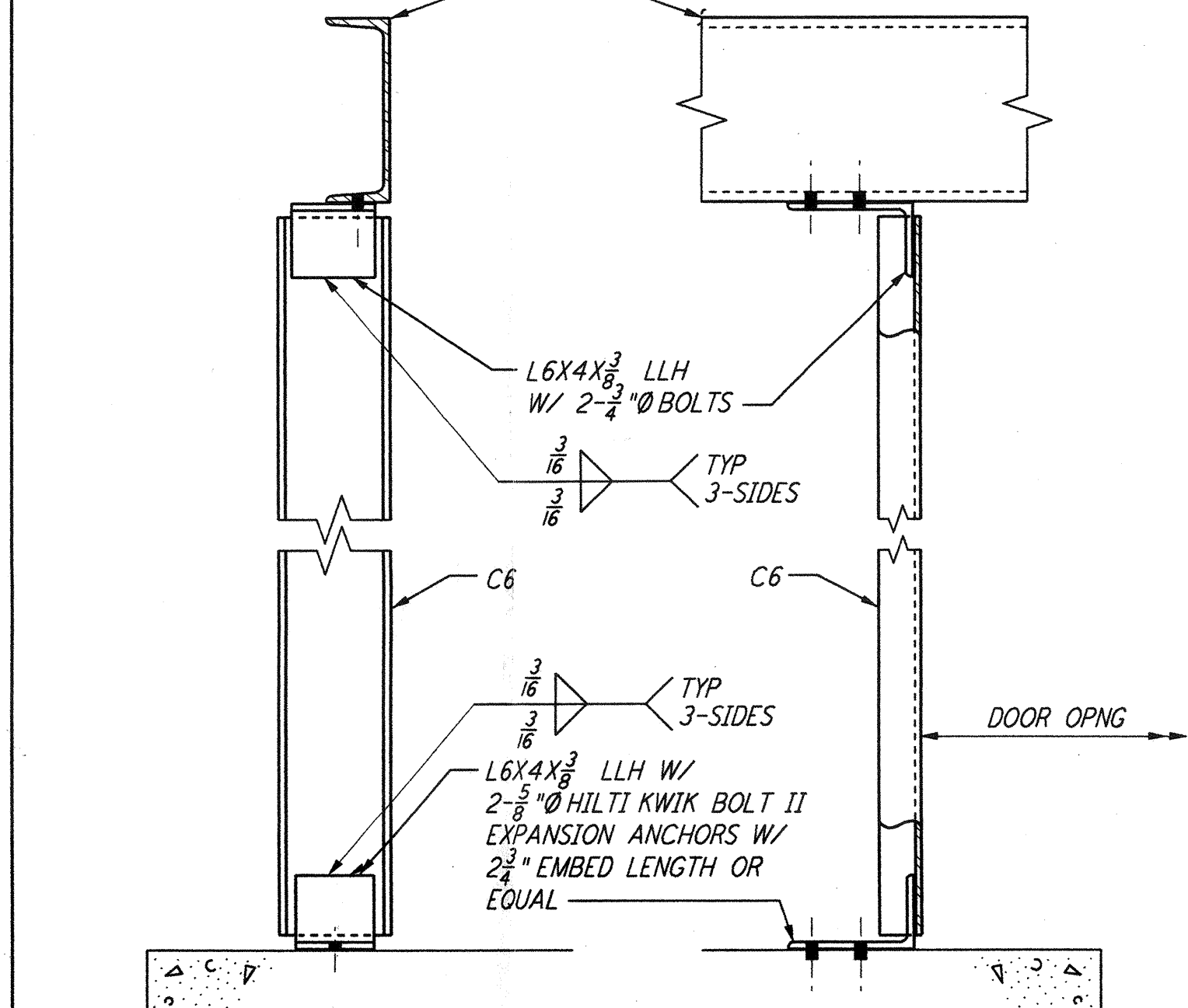
DETAIL 9



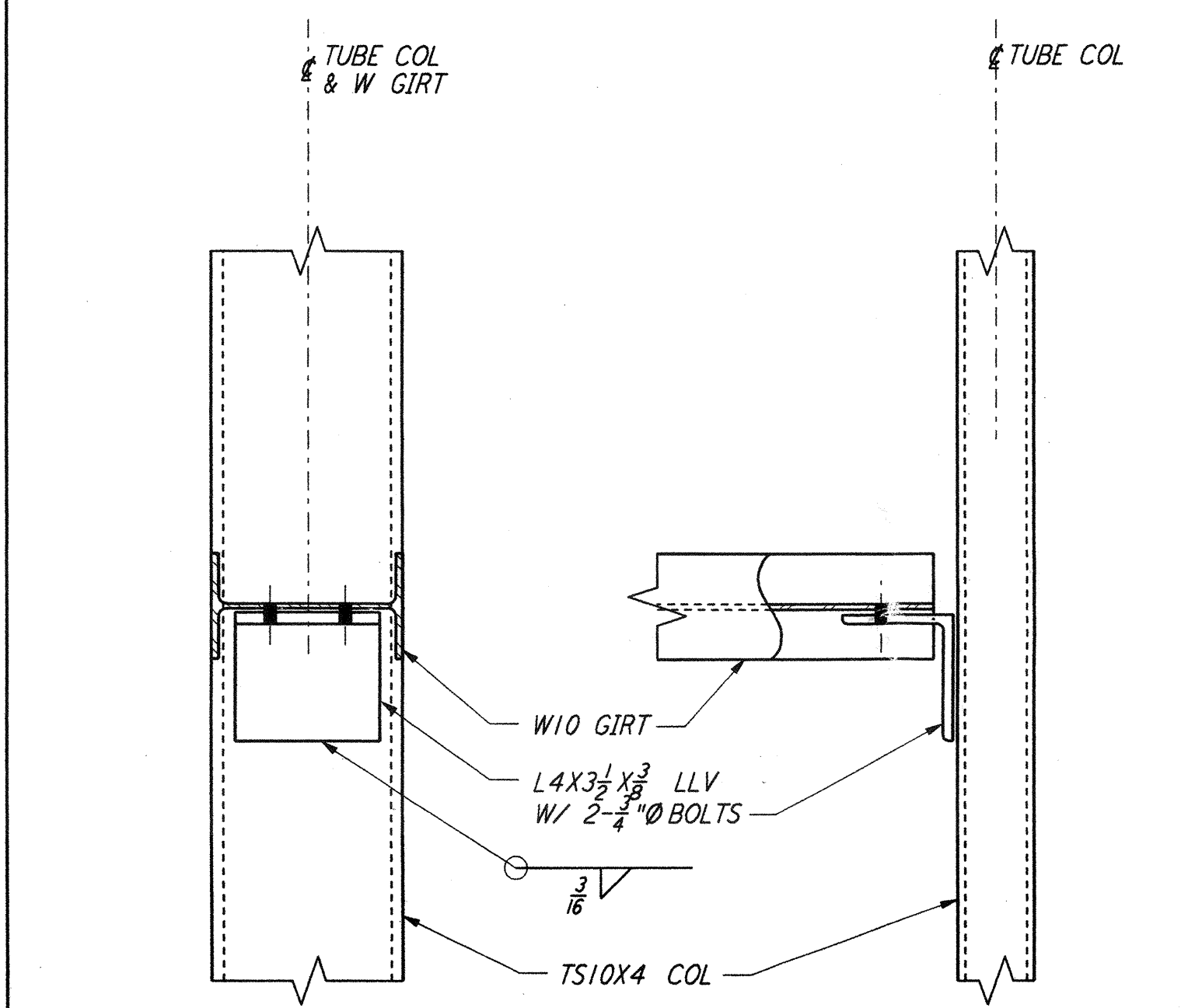
DETAIL 10



DETAIL 11



DETAIL 12



DETAIL 13

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

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WA	Qom	Qom	MMW	ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION
 DRAWN MCS 11-15-96
 CHECKED DDM 11-15-96
 ENGINEER BP 11-15-96
 PROJ TDM 11-15-96

AS-BUILT DRAWINGS

100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

PARSONS

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D960913-01-0

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO.2 - LIVINGSTON, LOUISIANA

TITLE	SCALE	CONTRACT NUMBER	PROJECT NUMBER
STRUCTURAL STANDARD STRUCTURAL STEEL CONNECTION DETAILS SHEET 4	NONE	PPI50969	8094
SHEET NUMBER	LA-S-007		REVISIONS

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.