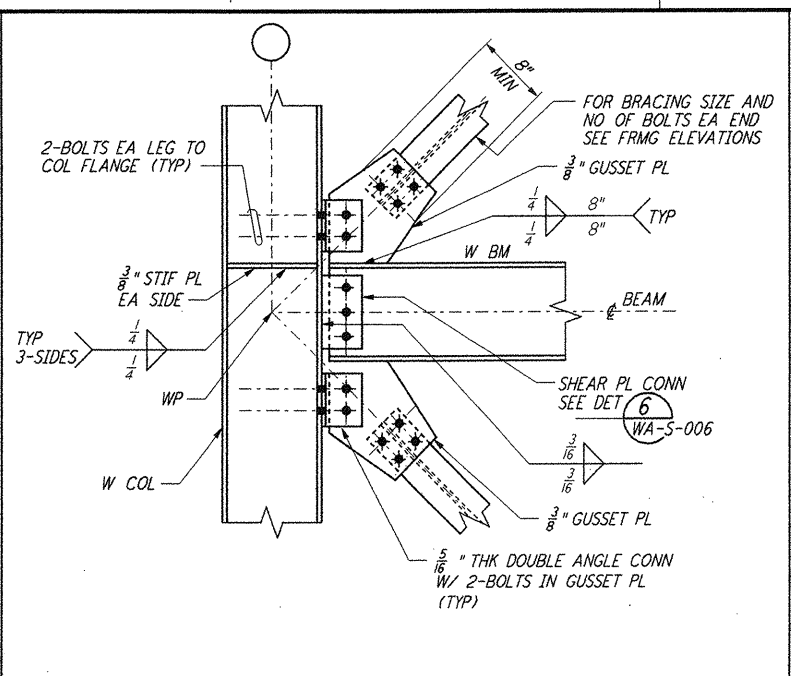
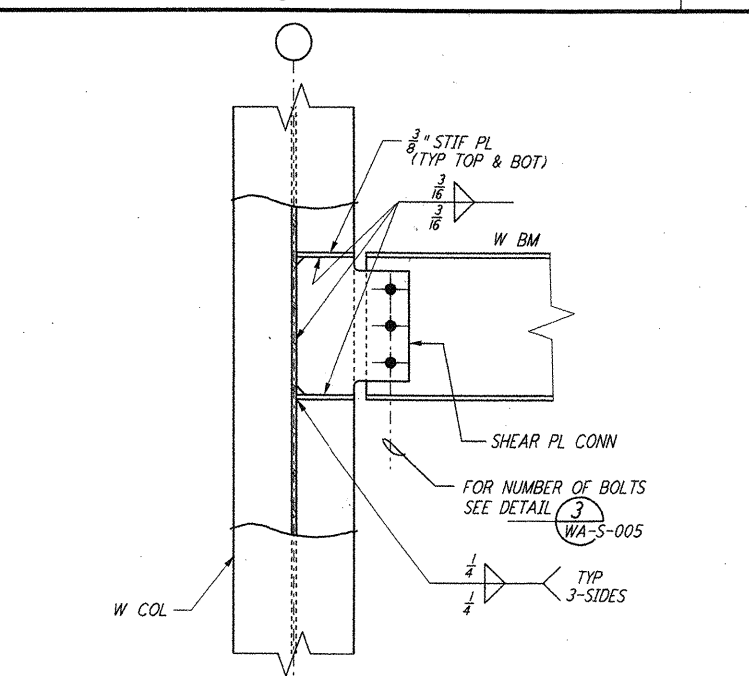


**TYP VERTICAL BRACING TO COLUMN WEB CONNECTION DETAIL 1**

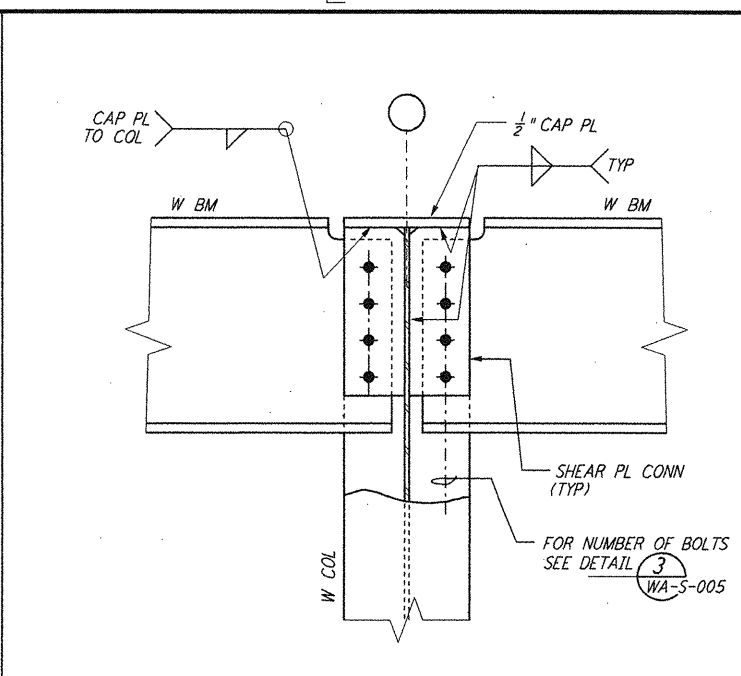
NO OF BOLTS EA END OF VERTICAL BRACING	L" 7/8" BOLTS	7/8" BOLTS
6	0'-10"	3
4	0'-8"	2



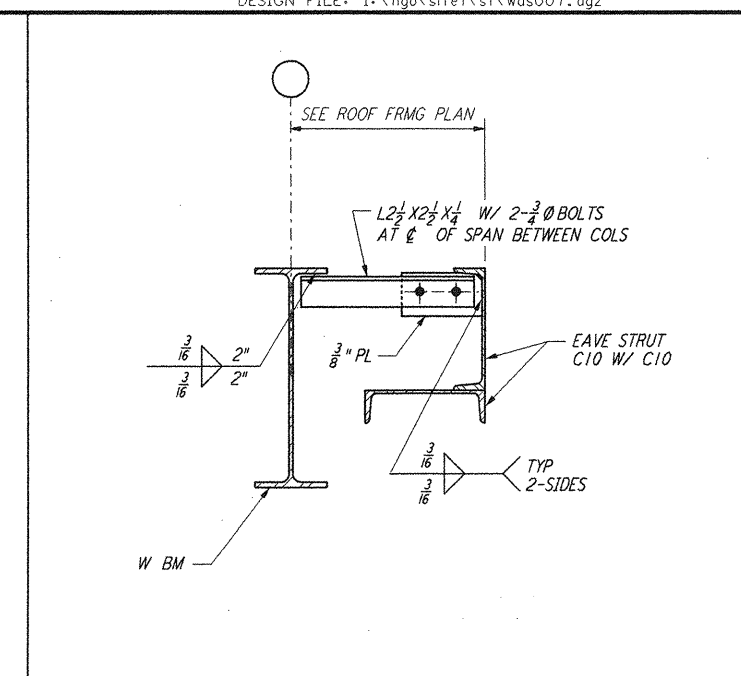
**TYP VERTICAL BRACING TO COLUMN FLANGE CONNECTION DETAIL 2**



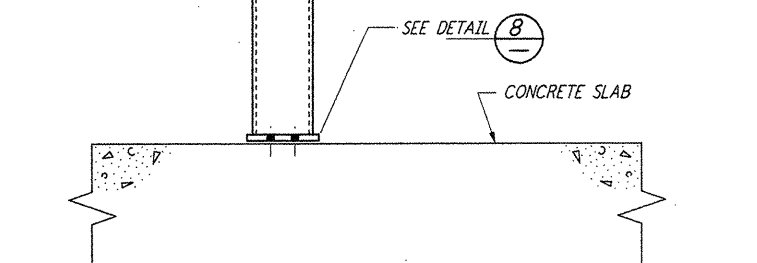
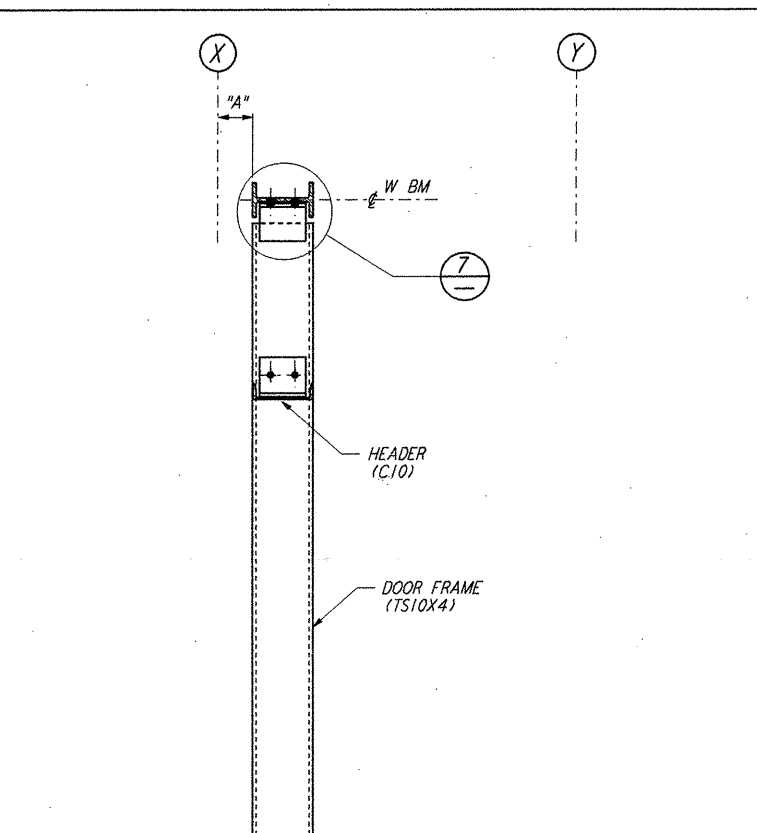
**BEAM TO COL WEB CONNECTION DETAIL 3**



**BEAM TO COL CONNECTION DETAIL 4**

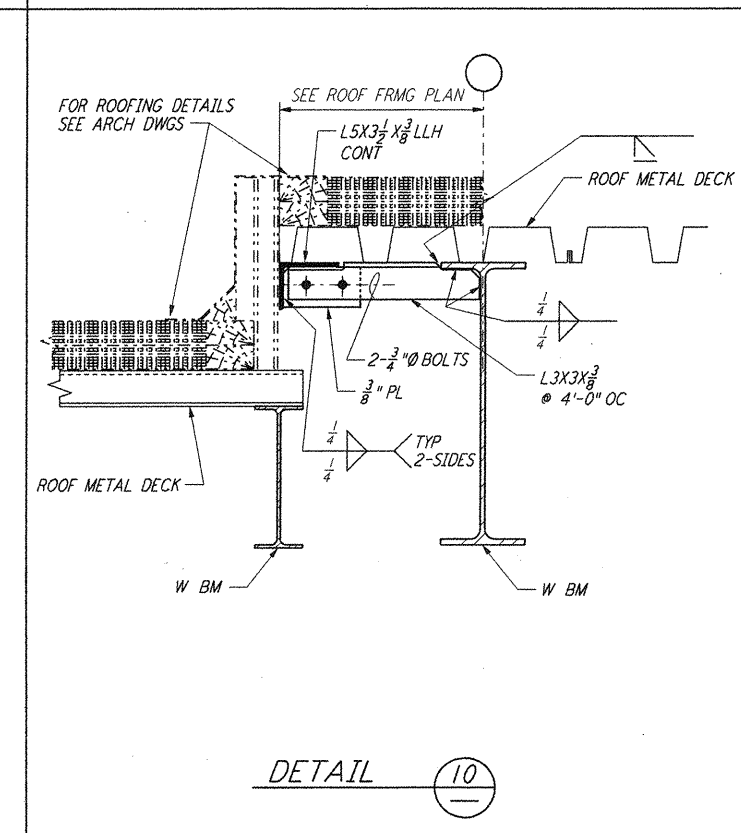
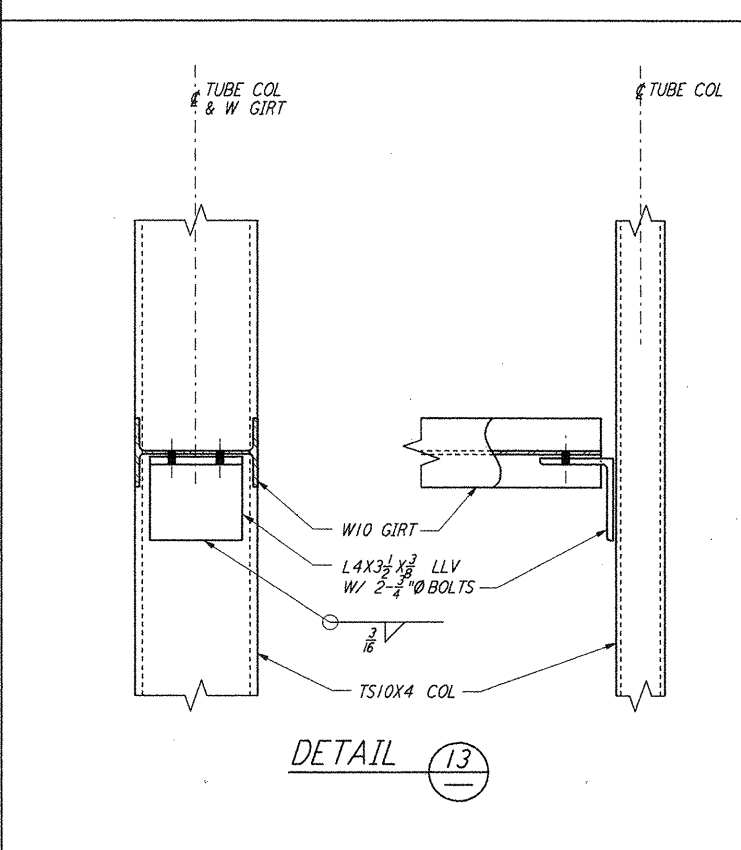
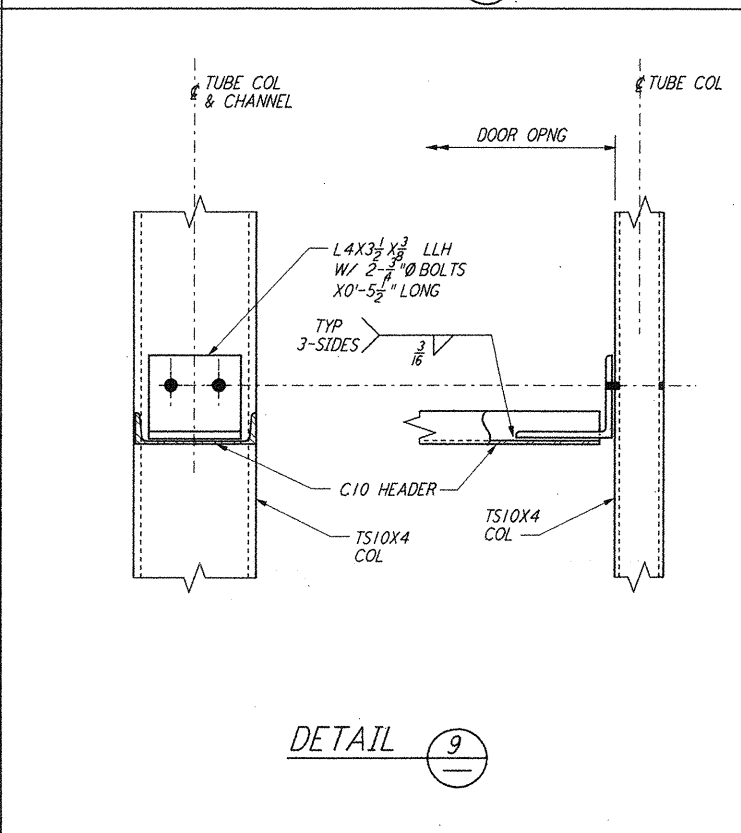
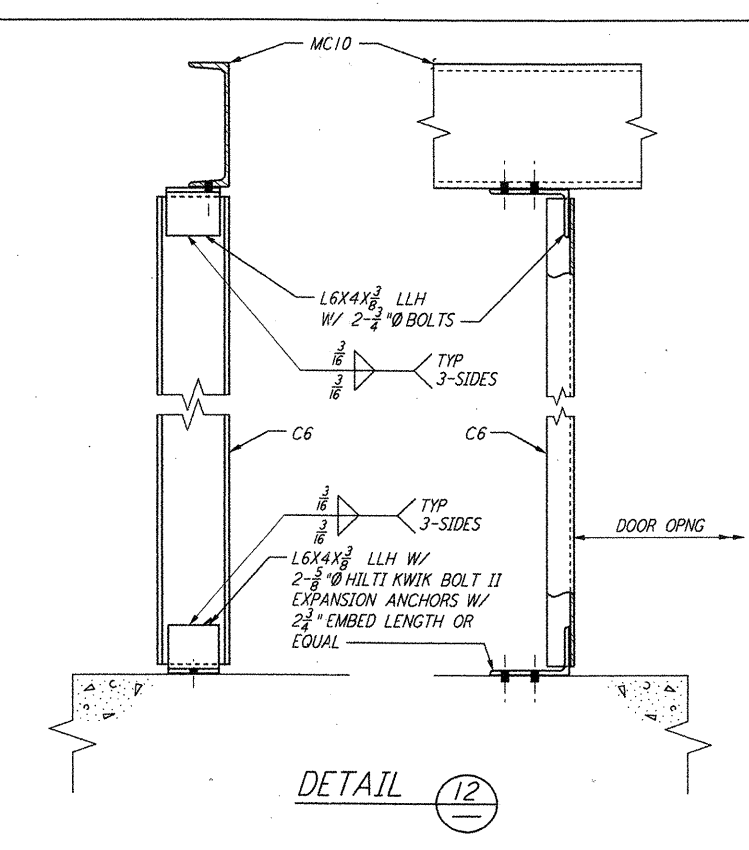
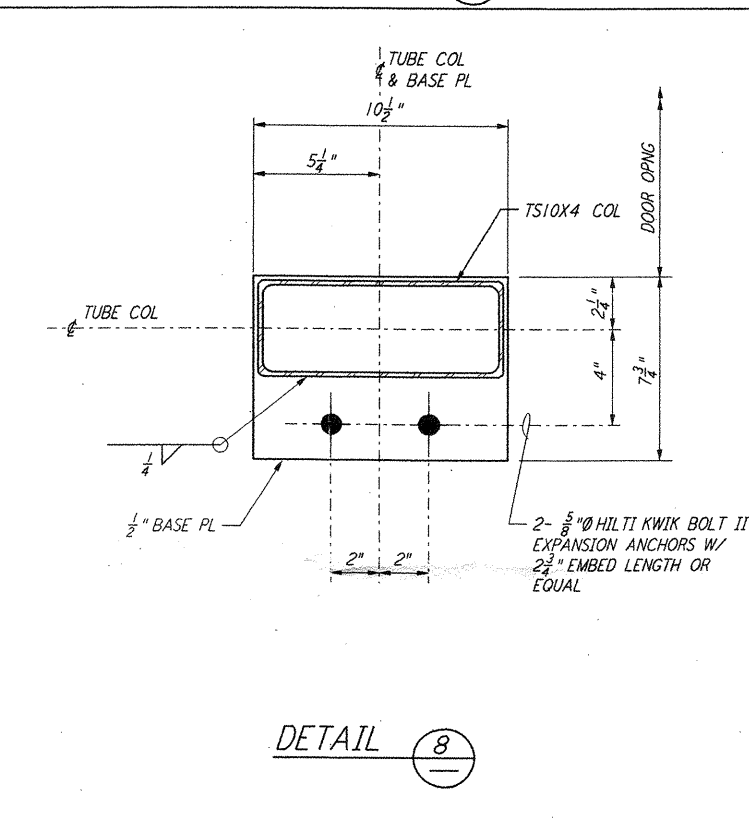
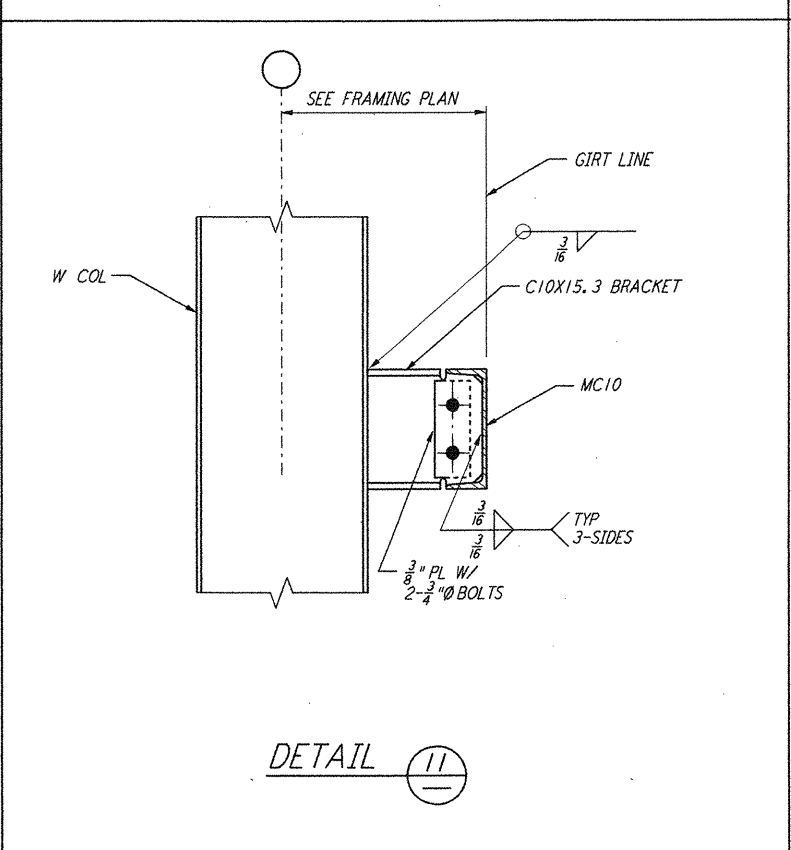
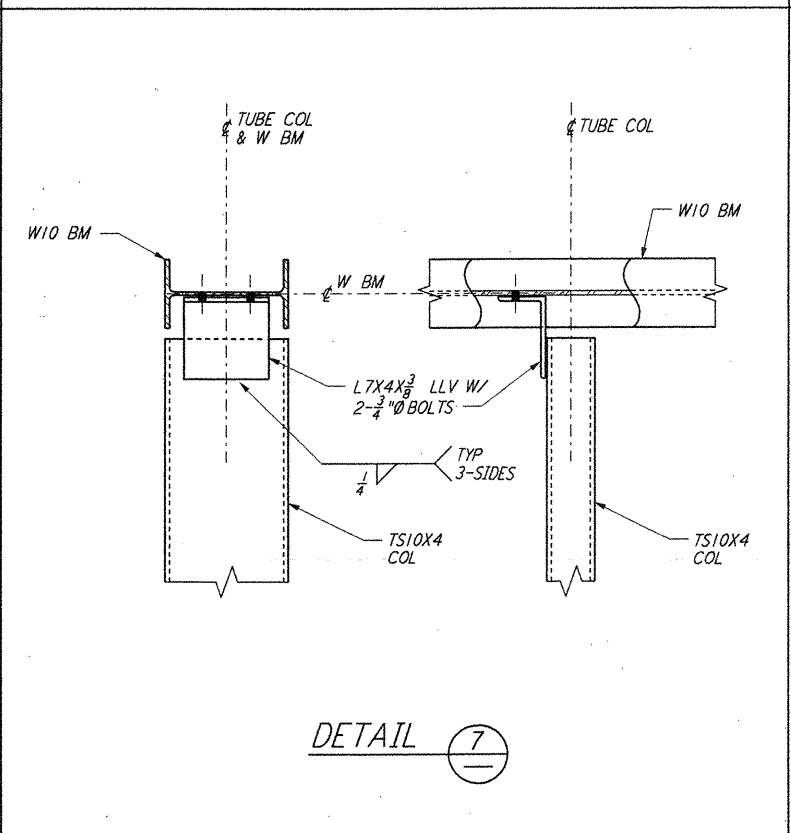


**EAVE STRUT BRACING CONNECTION DETAIL 5**



BUILDING ID	DOOR ID	DIMENSION "A"	FROM GRID (X)	TOWARD GRID (Y)
LVEA	101B	7 1/2"	6	7
OSB	170A	9'-0 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
MID & END STATION	205A	4 3/4"	C	D
MID & END STATION	205B	0 8/8"	B	A

**INTERIOR ROLLED-UP DOOR FRAMING DETAIL 6**



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

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

**AS-BUILT DRAWINGS**

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

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

**LIGO-D960292-01-O**  
LASER INTERFEROMETER  
GRAVITATIONAL-WAVE OBSERVATORY  
SITE NO. 1 - HANFORD, WASHINGTON

TITLE	STRUCTURAL STANDARD STRUCTURAL STEEL CONNECTION DETAILS SHEET 4	SCALE	NONE	CONTRACT NUMBER	PP150969	PROJECT NUMBER	8094
SHEET NUMBER	WA-S-007	REVISIONS					

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E  
D  
C  
B  
A  
LIGOWAF.BDR