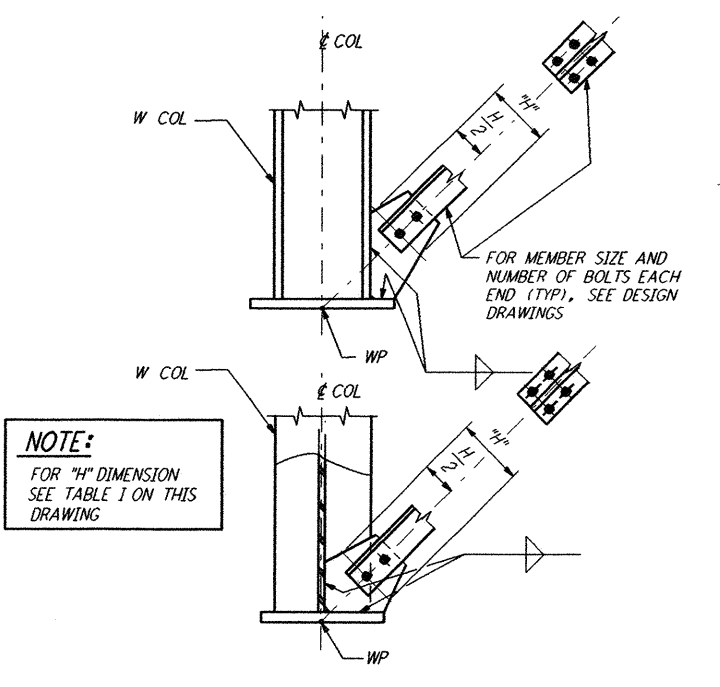
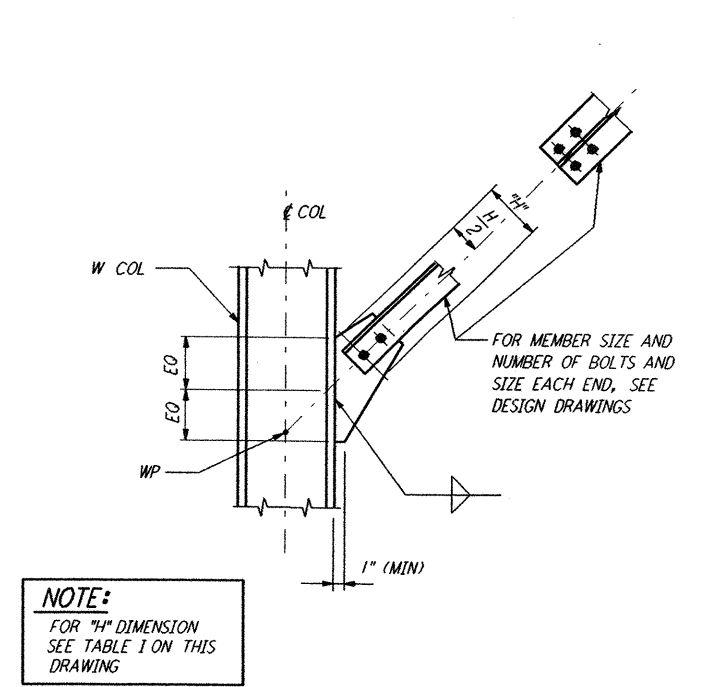


BOLT SIZE	NO OF BOLTS	MIN "H" (INCHES)	CONNECTION CAPACITY (KIPS)
A325-F BOLTS IN STD HOLES. BOLTS IN DOUBLE SHEAR.	2	8	40.8
	3	10	61.2
	4	12	81.6

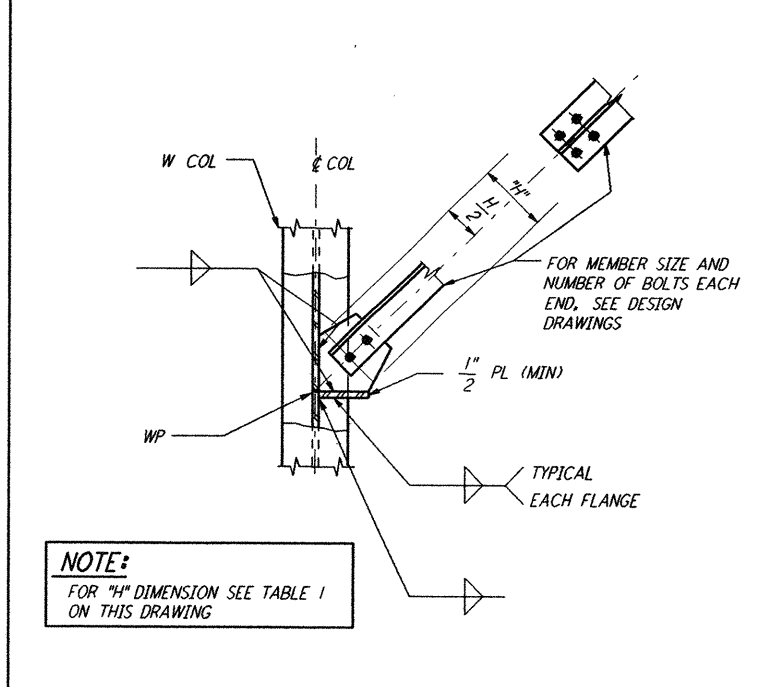
- BASED ON $\frac{1}{2}$ " GUSSET PLATE. FOR DIFFERENT THICKNESS THE RESULTS ARE PROPORTIONAL.
- VALUES DO NOT INCLUDE ONE-THIRD INCREASE IN ALLOWABLE STRESS FOR WIND AND SEISMIC LOADS.



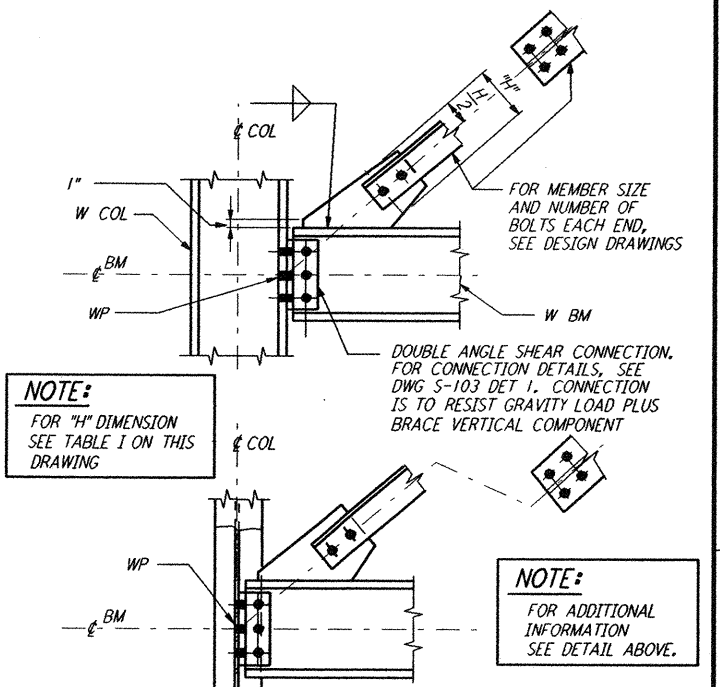
TYPICAL VERTICAL BRACING CONNECTIONS
 AT BASE OF COLUMN
 DETAIL ②



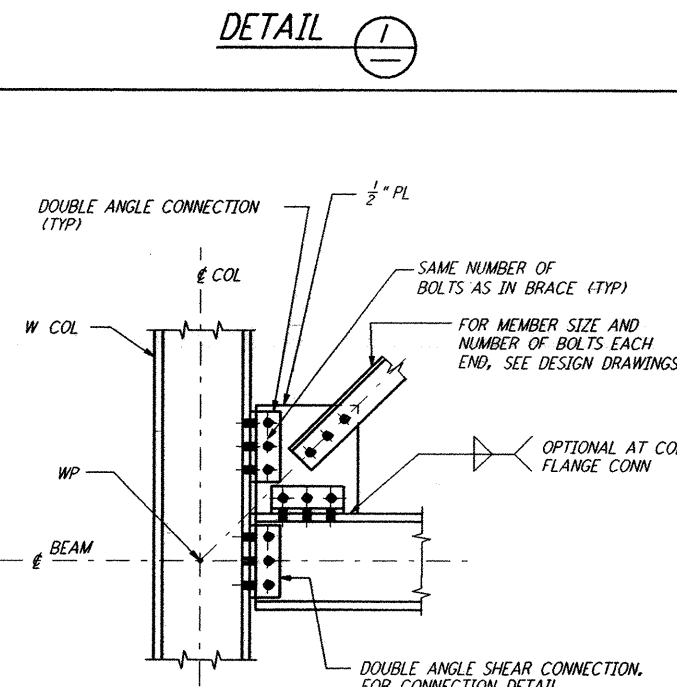
BRACE TO COLUMN FLANGE CONNECTION
 DETAIL ③



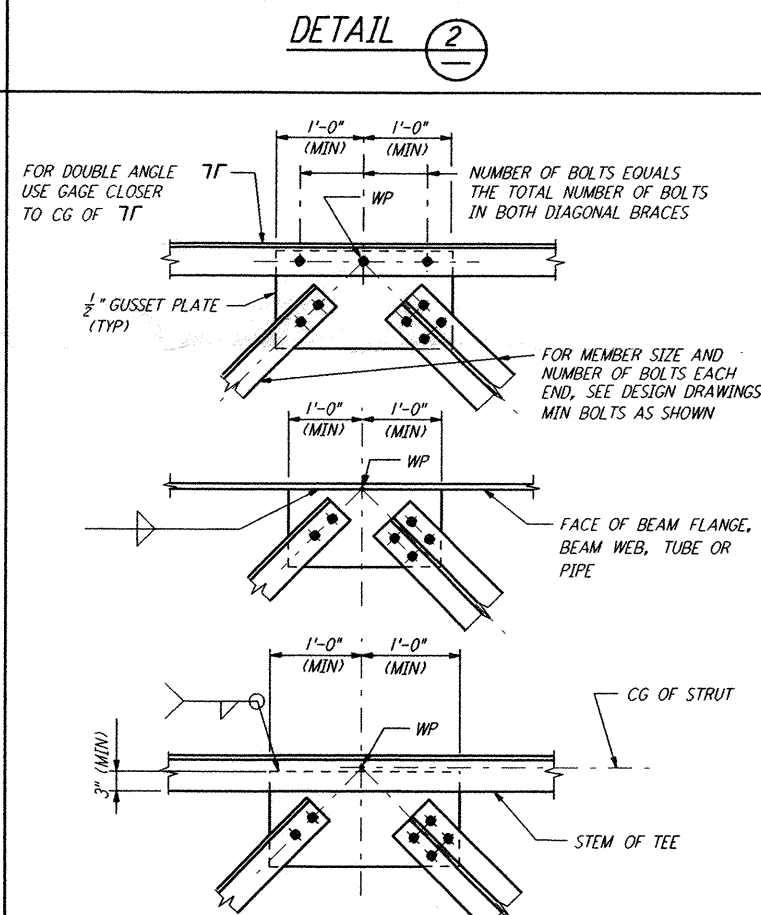
BRACE TO COLUMN WEB CONNECTION
 DETAIL ④



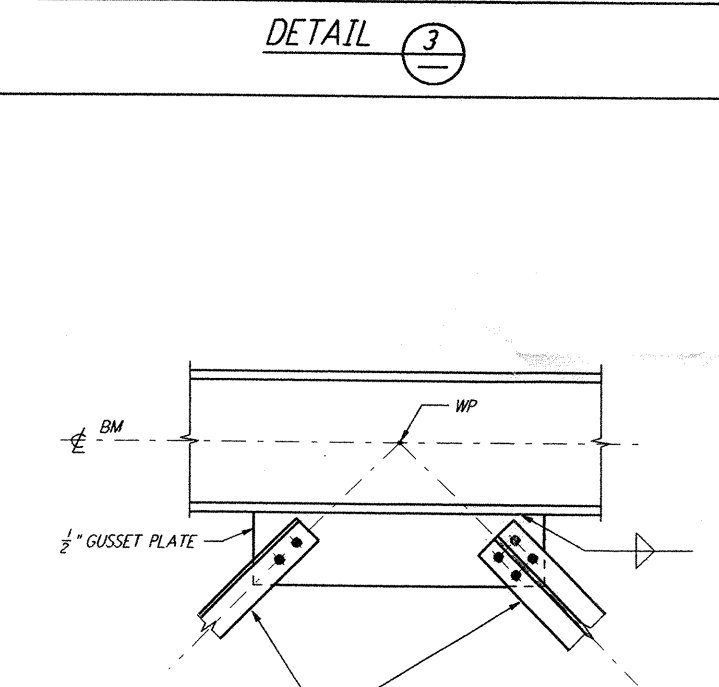
TYPICAL VERTICAL BRACING CONNECTIONS
 DETAIL ⑤



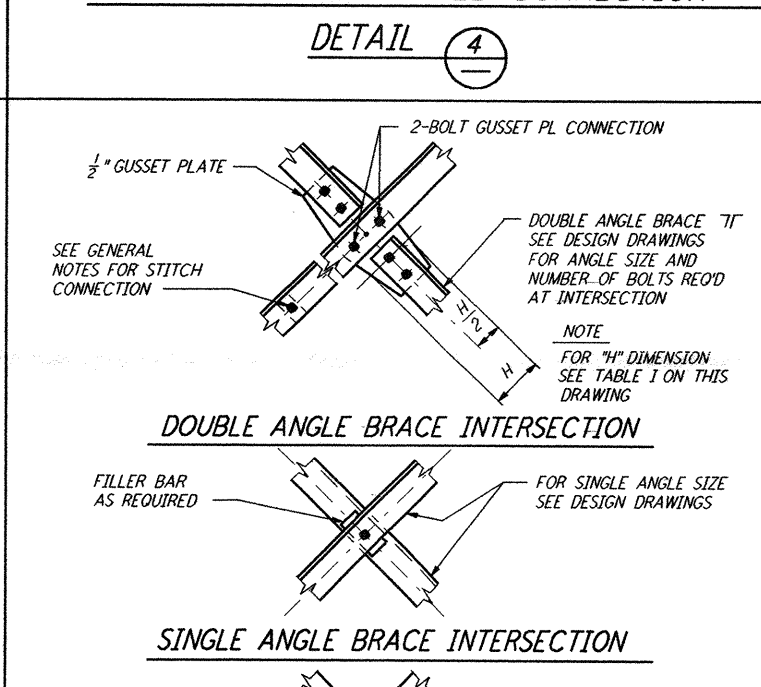
BRACING TO COLUMN FLANGE AND BEAM CONNECTION
 DETAIL ⑥



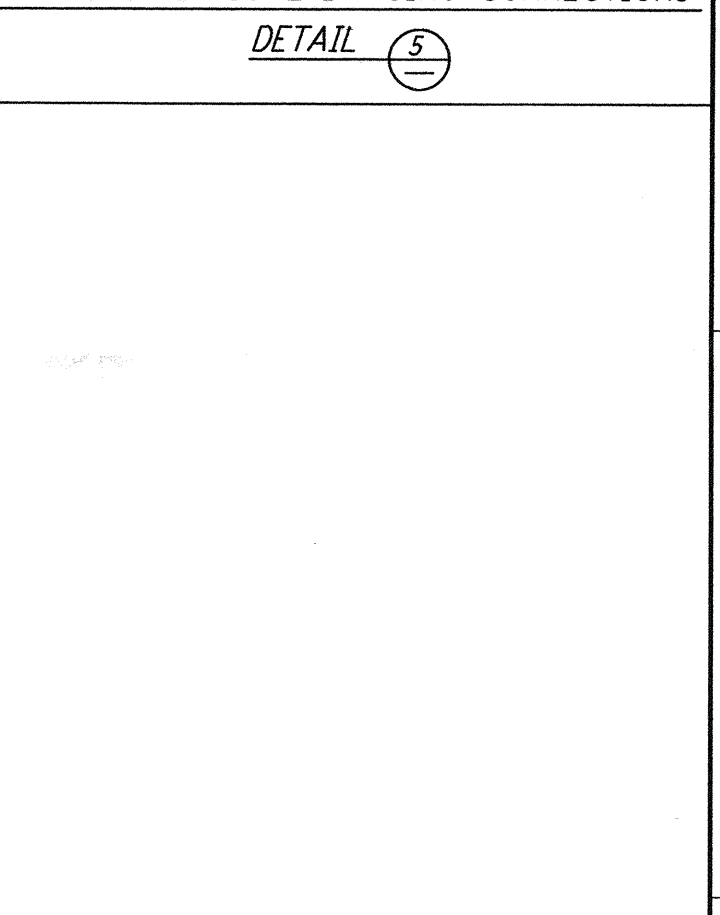
K-BRACING CONNECTIONS
 DETAIL ⑦



K-BRACING CONNECTION
 DETAIL ⑧



BRACE INTERSECTIONS
 DETAIL ⑨



BRACE INTERSECTIONS
 DETAIL ⑨

- NOTES:**
- FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS, SEE DRAWING S-001.
 - ALL ANGLE VERTICAL BRACING END CONNECTIONS SHALL HAVE TWO BOLTS EACH END UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS.

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NO.	DATE	APRD BY	DESCRIPTION OF REVISION
9			
8			
7			
6			
5			
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NO.	DATE	APRD BY	ISSUED FOR
J			
H			
G			
F			
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D			
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B			
A	10-31-95	TDM	PRELIMINARY DESIGN REVIEW

DATE	10-31-95
DRAWN	MCS
CHECKED	
ENGINEER	
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LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

STANDARD
 STRUCTURAL STEEL
 DETAILS - SHEET 3

NONE PPI50969 8094
LA-S-006

Mon Oct 30 19:07:07 1995 s3-v18b2 J:\PLOTS\QUEUES\18B2\ST006.PRF