

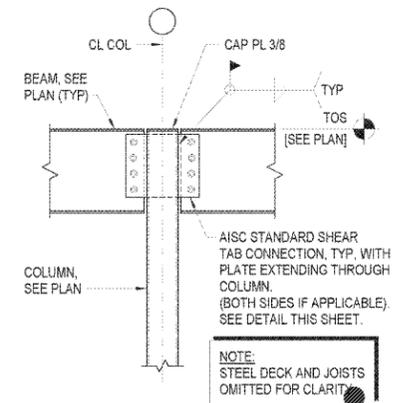
CONNECTION NOTES:

- SHEAR CONNECTIONS SHALL BE SINGLE-PLATE, SINGLE-ANGLE, OR DOUBLE ANGLE CONNECTIONS, SELECTED FROM THE AISC STEEL CONSTRUCTION MANUAL FOR THE DESIGN REACTIONS INDICATED.
 - SINGLE-PLATE SHEAR CONNECTIONS SHALL BE SELECTED FROM TABLE 10-9a, AND IN ACCORDANCE WITH 'TYPICAL SHEAR CONNECTION' DETAIL THIS SHEET.
 - SINGLE-ANGLE SHEAR CONNECTIONS SHALL BE SELECTED FROM TABLE 10-11.
 - DOUBLE-ANGLE CONNECTIONS SHALL BE SELECTED FROM TABLE 10-1.
- BOLTED SHEAR CONNECTIONS FOR BEAMS SUPPORTING GRAVITY LOADS SHALL CONTAIN A MINIMUM NUMBER OF HIGH STRENGTH BOLTS AS FOLLOWS. TABULATED CAPACITY OF MINIMUM SINGLE-PLATE CONNECTIONS ARE INDICATED, IN ACCORDANCE WITH TABLE 10-9a OF AISC MANUAL.

BEAM SIZE	MINIMUM NUMBER OF ROWS OF BOLTS	DESIGN CAPACITY, R _n /Φ (KIPS)
W10	2	21
W12, W14	3	31
W16, W18	4	42
W21, W24	5	53
W27	6	63
W30	7	74

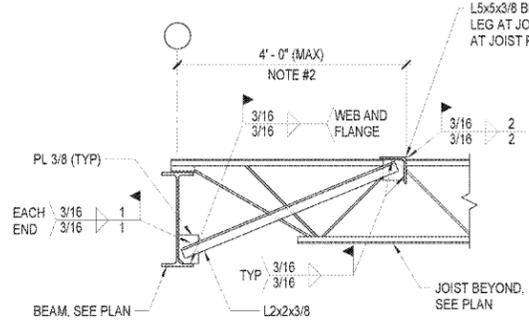
- TYPICAL MINIMUM SHEAR CONNECTION SHALL BE SINGLE-PLATE SHEAR CONNECTION, WITH MINIMUM PARAMETERS AS INDICATED. BEAMS WITH REACTIONS THAT EXCEED TABULATED CAPACITY OF SINGLE-PLATE SHEAR CONNECTION HAVE THEIR DESIGN SERVICE REACTIONS INDICATED ON PLAN CONNECTIONS FOR THESE BEAMS SHALL BE DESIGNED USING ONE OF THE OPTIONS LISTED IN NOTE #1.
- CONNECTION GEOMETRY SHALL COMPLY WITH THE FOLLOWING TABLE:

PARAMETER	MARK	VALUE
NUMBER OF BOLTS	n	2 MIN, 12 MAX.
BOLT LINE DISTANCE	a	3 1/2" MAXIMUM
HORIZONTAL EDGE DISTANCE	Leh	1 1/2" MINIMUM
VERTICAL EDGE DISTANCE	Lev	1 1/2" MINIMUM
PLATE THICKNESS	tp	3/8" TYPICAL; 7/16" MAXIMUM
WELD	W	1/4" MINIMUM
BOLT SIZE	—	3/4"Ø A325 MINIMUM

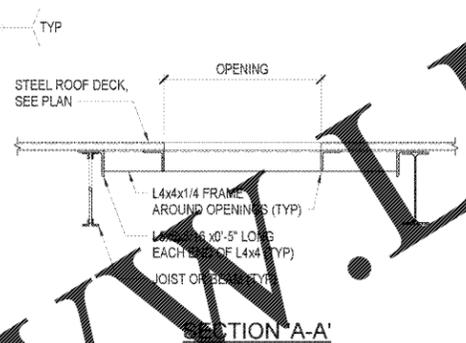
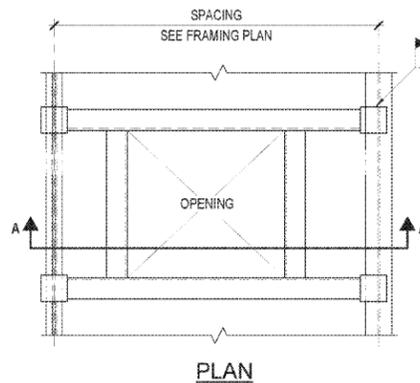


TYPICAL SHEAR CONNECTION

NOT TO SCALE

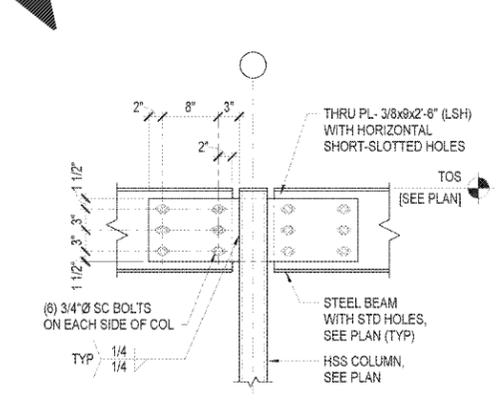
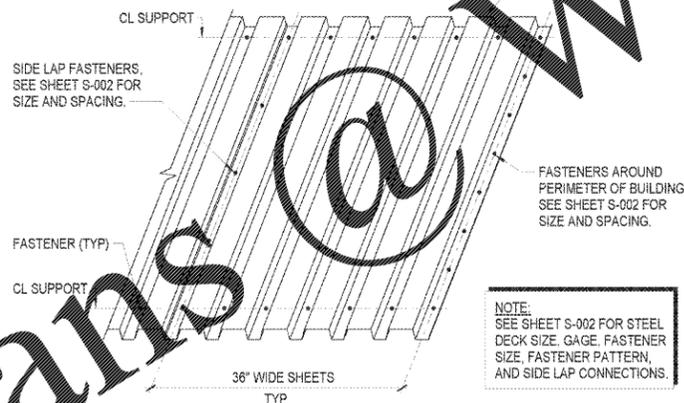
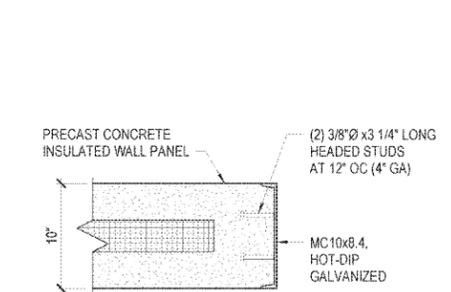


- NOTES:**
- STEEL ROOF DECK OMITTED FOR CLARITY.
 - HORIZONTAL ANGLE SPANNING BETWEEN JOISTS TO BE LOCATED AT A JOIST PANEL POINT. IF THIS CONDITION CANNOT BE SATISFIED, REFER TO 'TYPICAL CONCENTRATED LOADS ON JOISTS' DETAIL ON THIS SHEET.



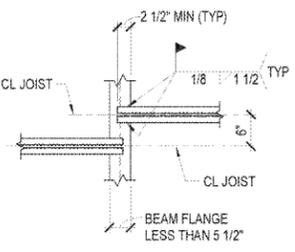
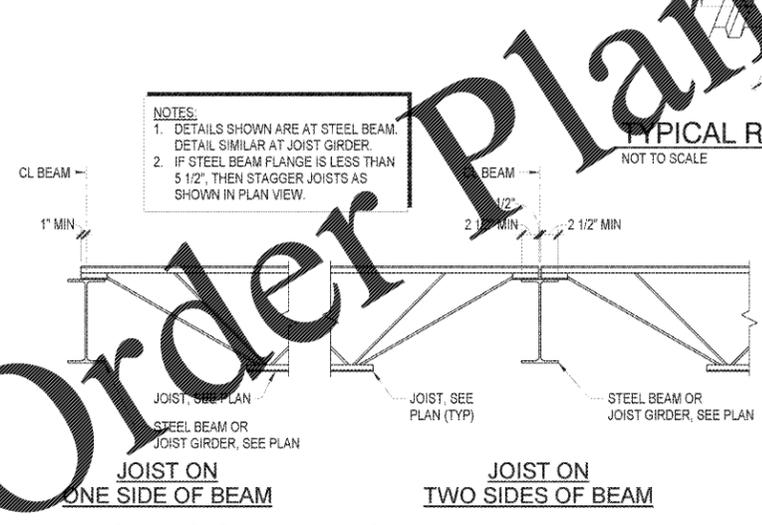
TYPICAL OVERHEAD DOOR JAMB

NOT TO SCALE



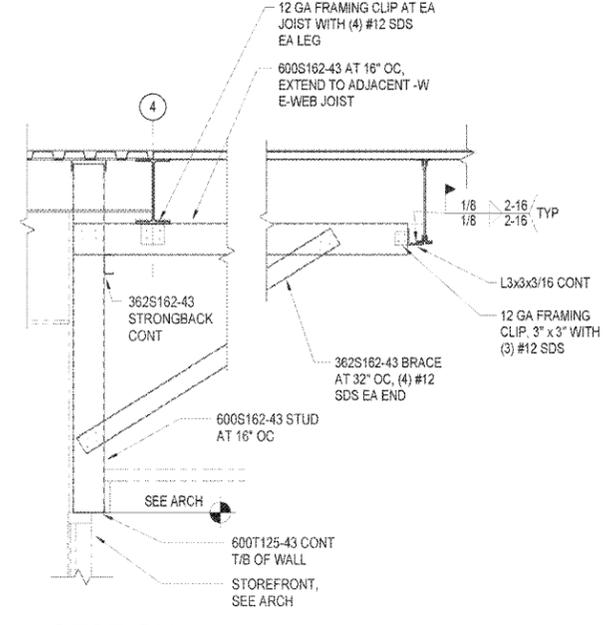
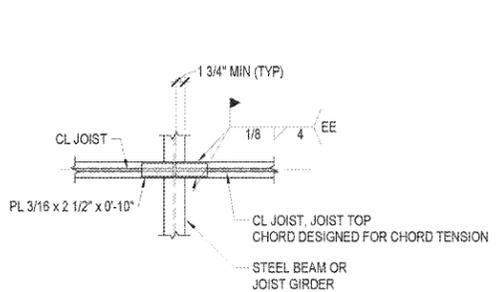
TYPICAL JOIST BEARING

NOT TO SCALE



TYPICAL JOIST BEARING AT CONT DIAPHRAGM CHORD

NOT TO SCALE



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SUBMITTAL
 4 MAY 2018
 CONSTRUCTION DOCUMENTS

REVISIONS

NO.	DESCRIPTION

TYPICAL FRAMING DETAILS

SF501

DESIGN: BSW
 DRAWN: SMM
 REVIEW: MGH
 CN 5938