

MODULAR MANUFACTURER PROPRIETARY STATEMENT
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PRE-CHECKED SET NAME

24' x 40' THRU 120' x 40'
2:12 PITCHED ROOF

SITE SPECIFIC PROJECT NAME

SHEET TITLE
MOMENT FRAME
CONNECTION DETAILS

MANUFACTURER PROFESSIONAL OF RECORD ON PC

REGISTERED ARCHITECT
PATRICK CARROLL
No. C12831
Ren. 09-31-17
STATE OF CALIFORNIA
11/17/2015

PROJECT SPECIFIC STATE AGENCY APPROVAL
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
02 11 13 2
AC / FLS / SS 04
DATE 07/17

ORIGINAL PC STATE AGENCY APPROVAL
39-0
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
PC 02-113939
AC / FLS / SS 06
DATE 07/2016

PRE-CHECK (PC) DOCUMENT - CODE: 2013 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED
REVISIONS
DRAWN BY:
SCALE: AS NOTED
DATE:
SHEET NUMBER

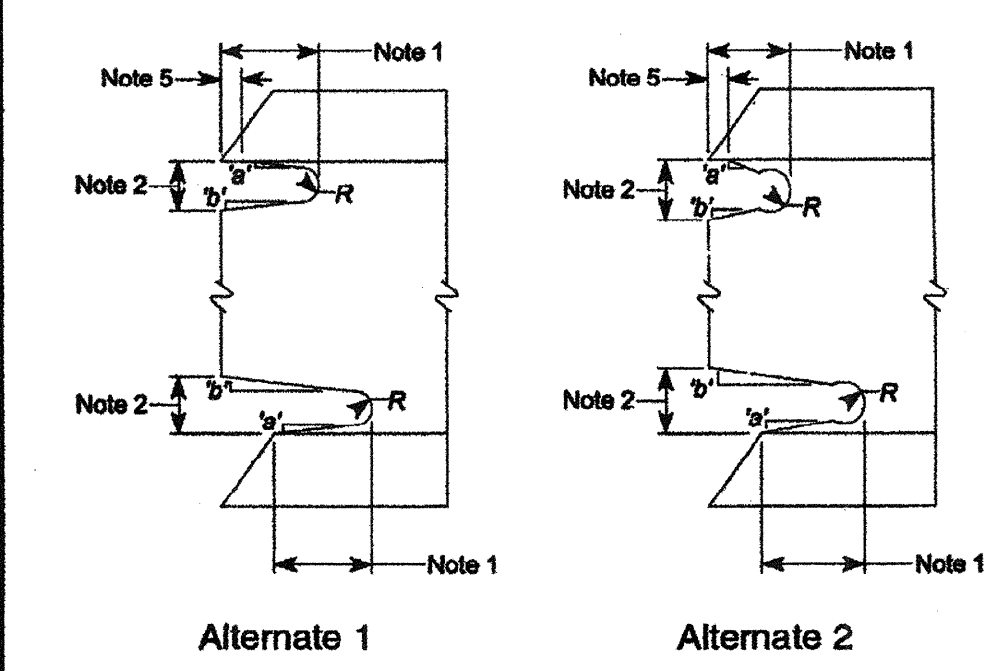
S5.1

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10* AND SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND SUBMITTAL TO THE D.S.A. TYPICAL ALL DETAILS THIS SHEET. ALL WELDS USED IN PRIMARY MEMBERS AND CONNECTIONS IN THE LATERAL FORCE-RESISTING SYSTEMS SHALL BE MADE WITH FILLER METAL THAT HAS A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT.-LBS AT ZERO DEGREES F, AS DETERMINED BY AWS CLASSIFICATION.
*ALSO PER D1.3-08

GENERAL NOTES

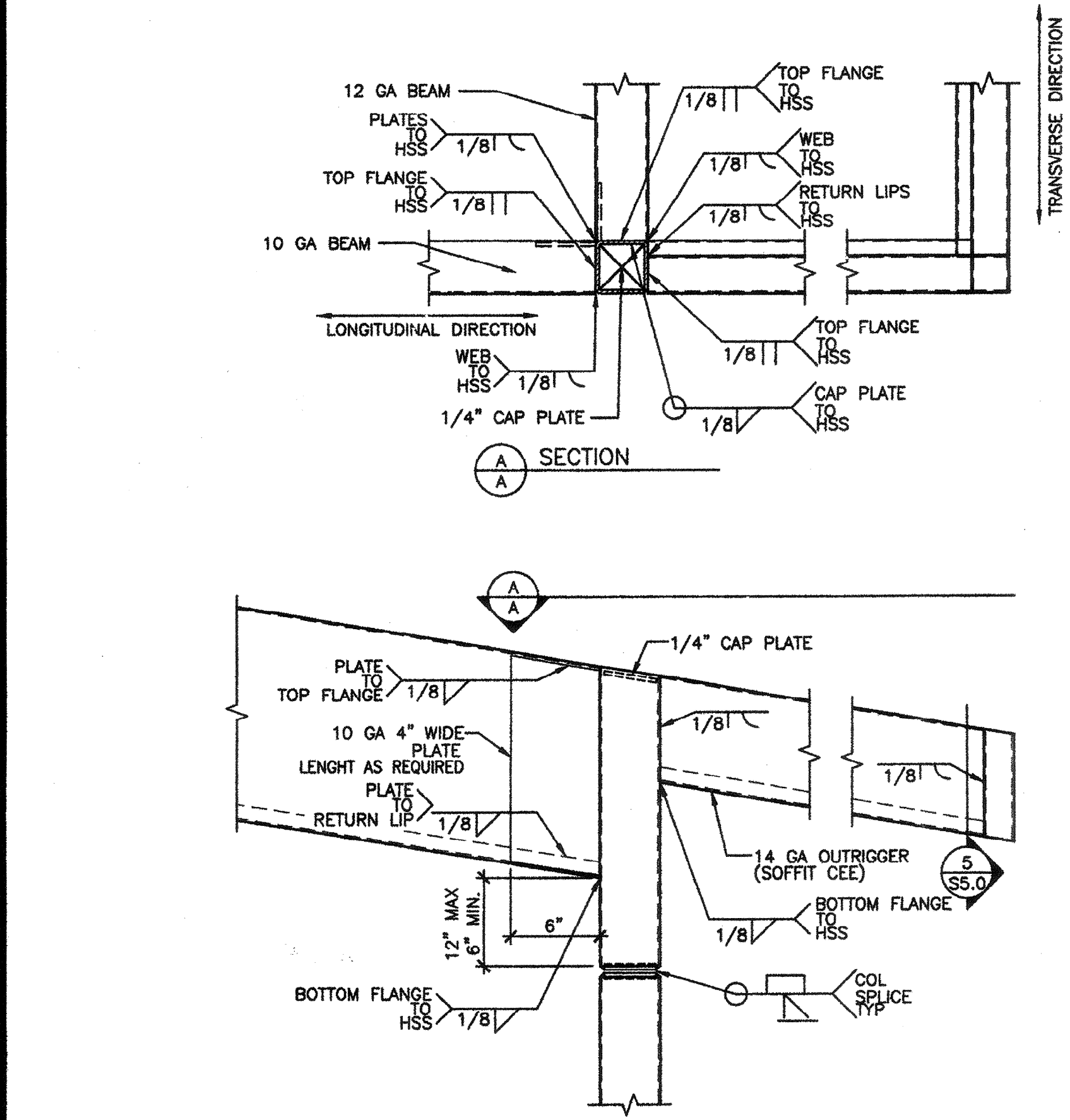
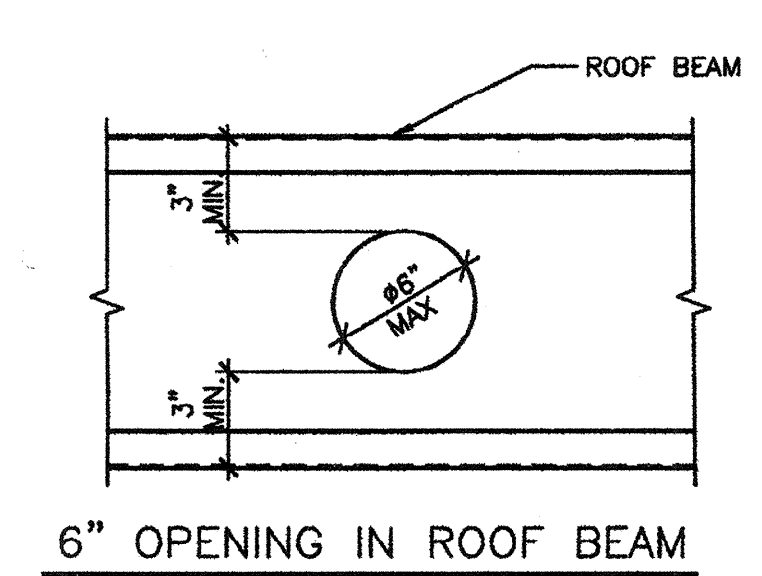
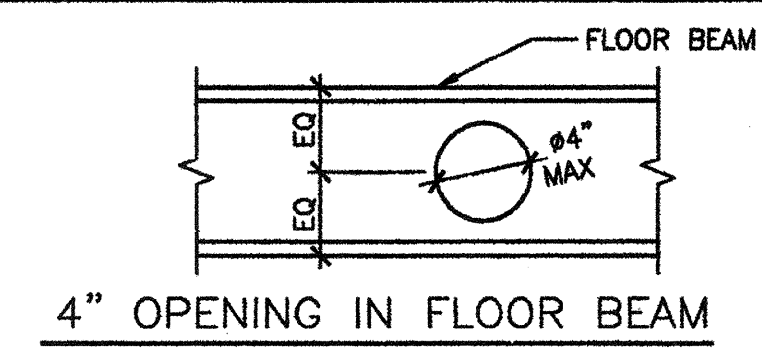
- FILLER METALS SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SEISMIC PROVISIONS.
- WELDING PROCEDURES SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
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- QUALITY CONTROL AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH THE AISC SEISMIC PROVISIONS.
- WELD ACCESS HOLES SHALL BE IN ACCORDANCE WITH AISC 360-10, SECTION J1.6, AND SHALL BE CONSTRUCTED PER THE FOLLOWING DETAILS & NOTES.

WELD ACCESS HOLE GEOMETRY

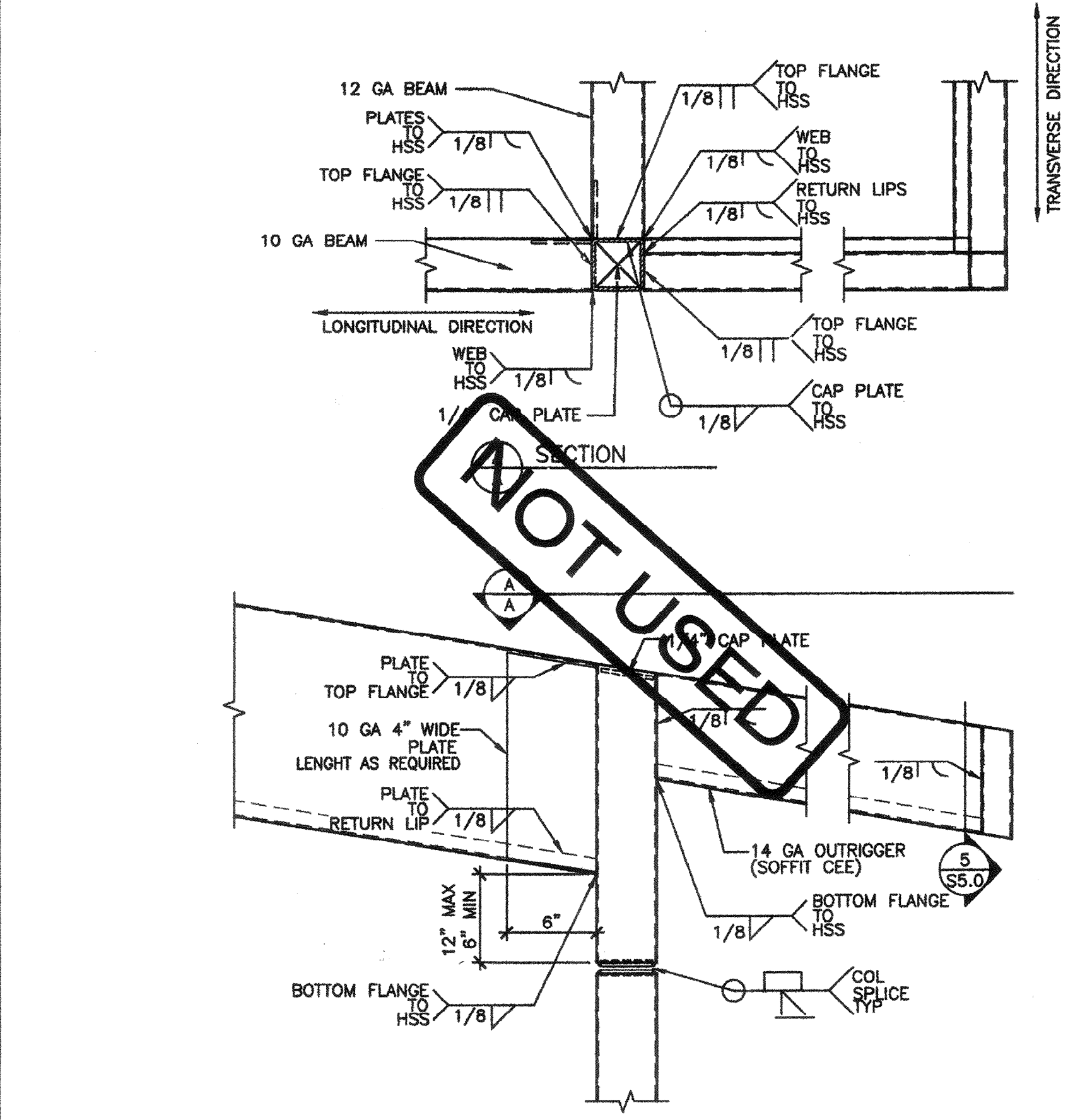


- NOTES: THESE ARE TYPICAL DETAILS FOR JOINTS WELDED FROM ONE SIDE AGAINST STEEL BACKING WHERE WELD ACCESS HOLES ARE REQUIRED.
- LENGTH: GREATER OF 1.5t_w OR 1-1/2 IN. (38 MM)
 - HEIGHT: GREATER OF 1.0t_w OR 3/4 IN. (19 MM) BUT NEED NOT EXCEED 2 IN. (50 MM)
 - R: 3/8 IN. MIN. (10 MM). GRIND THE THERMALLY CUT SURFACES OF WELD ACCESS HOLES IN HEAVY SHAPES AS DEFINED IN SECTIONS A3.1(c) AND (d) OF AISC 360-10.
 - SLOPE 'a' FORMS A TRANSITION FROM THE WEB TO THE FLANGE. SLOPE 'b' MAY BE HORIZONTAL.
 - THE BOTTOM OF THE TOP FLANGE IS TO BE CONTOURED TO PERMIT THE TIGHT FIT OF BACKING BARS WHERE THEY ARE TO BE USED.

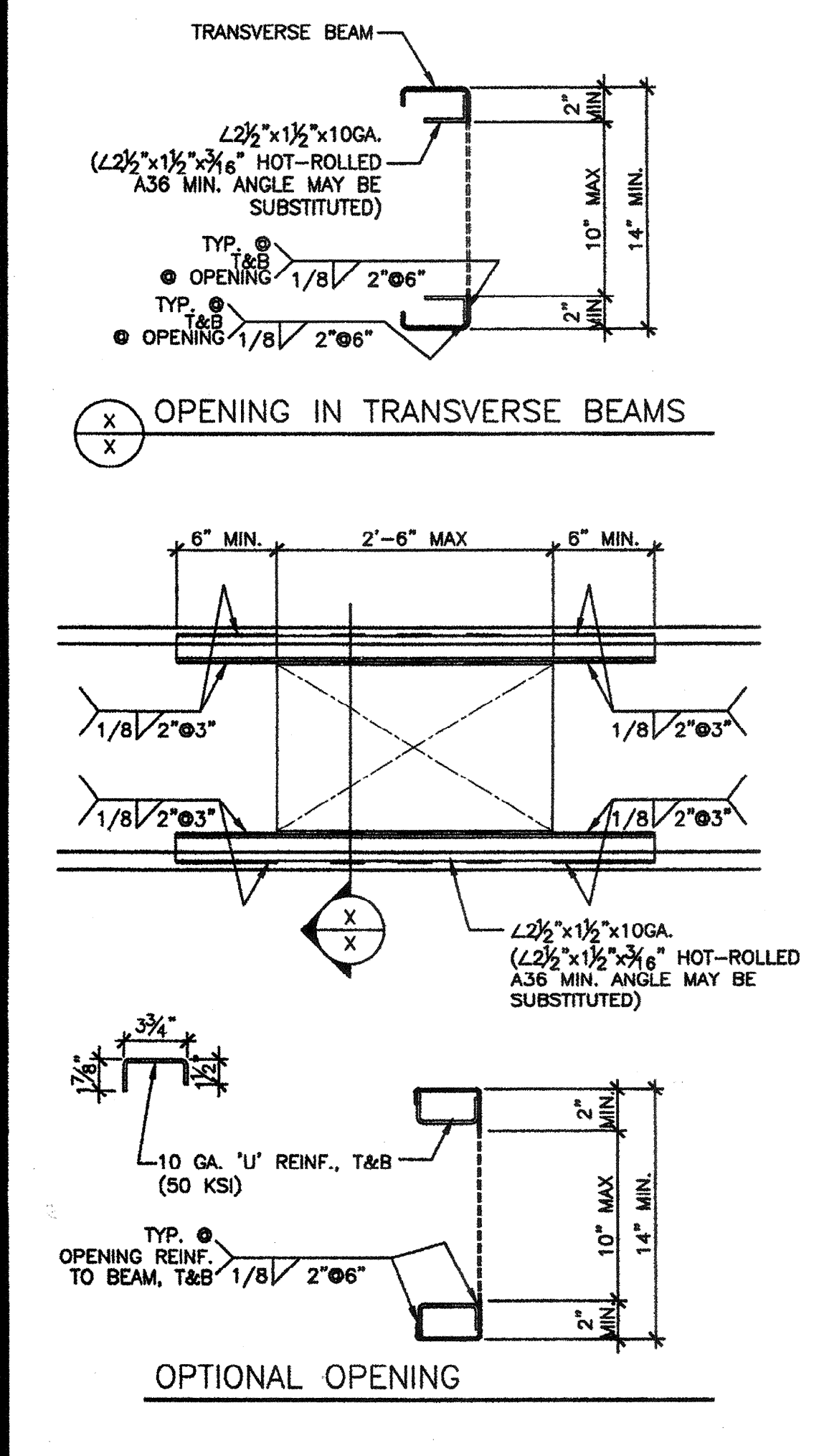
REQ. FOR FR MOMENT CONNECTIONS



TYPICAL ROOF CHANNEL TO HSS DETAIL - (LOW SEISMIC) SCALE: 1 1/2"=1'-0" 1A



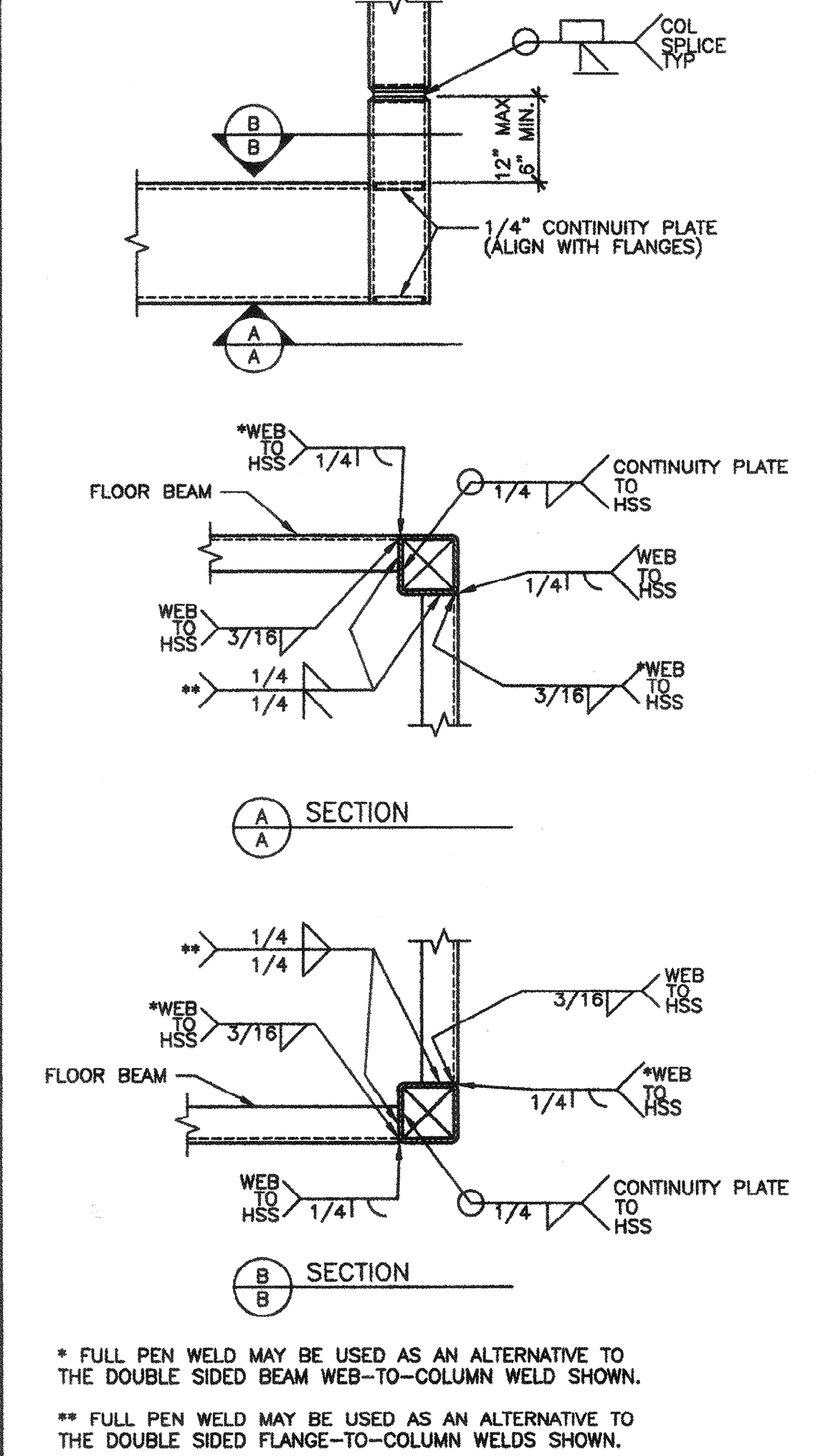
TYPICAL ROOF CHANNEL TO HSS DETAIL - (HIGH SEISMIC) SCALE: 1 1/2"=1'-0" 1B



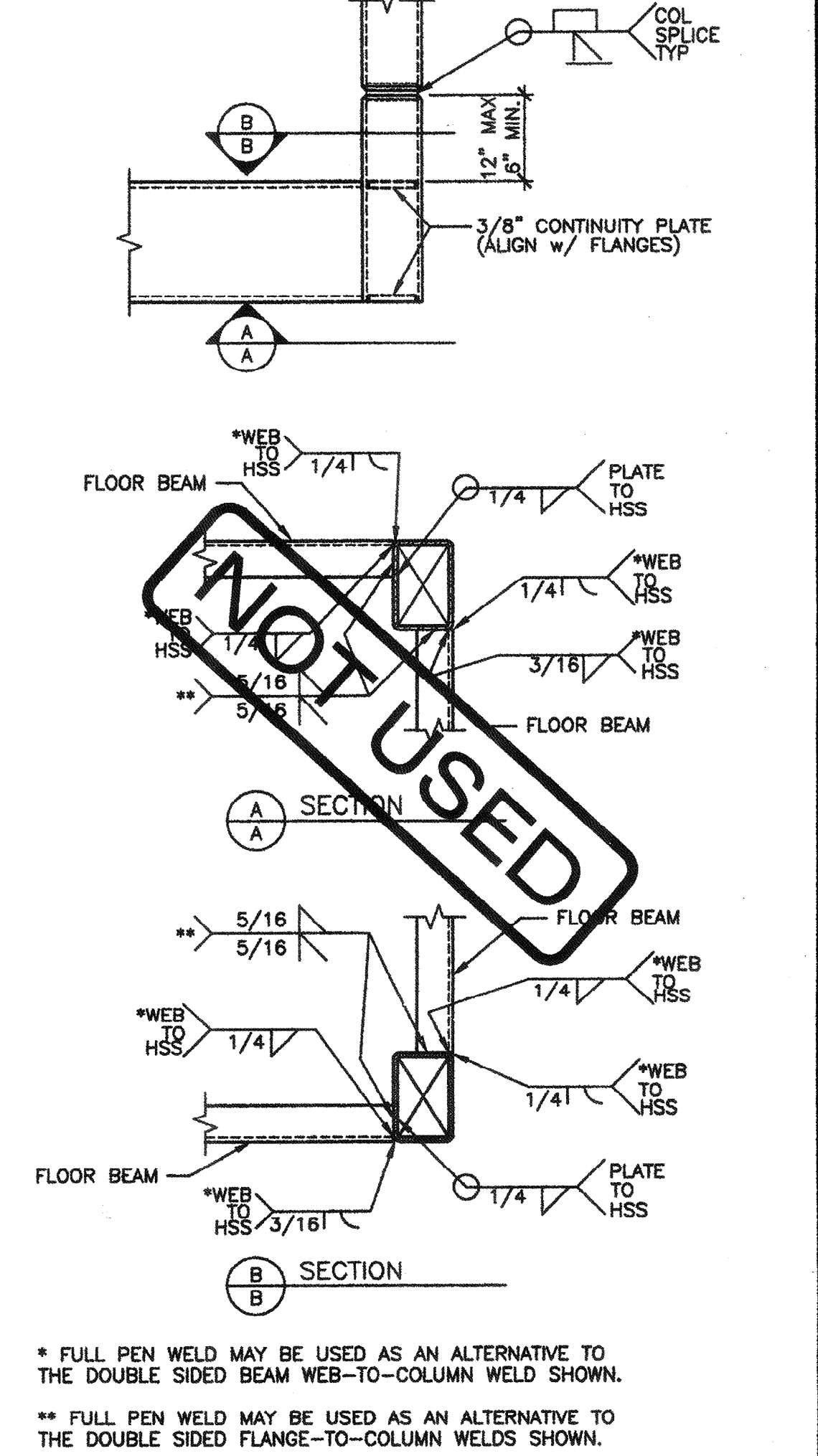
OPENING @ ROOF BEAMS - TRANSVERSE SCALE: 1 1/2"=1'-0" 4A



TYPICAL CORNER TO FLOOR BEAM DETAIL (LOW SEISMIC) SCALE: 1 1/2"=1'-0" 4B



TYPICAL CORNER TO FLOOR BEAM DETAIL (HIGH SEISMIC) SCALE: 1 1/2"=1'-0" 5A



TYPICAL CORNER TO FLOOR BEAM DETAIL (HIGH SEISMIC) SCALE: 1 1/2"=1'-0" 5B

OPENING IN BEAMS SCALE: 1 1/2"=1'-0" 6