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**24'x40' THRU 120'x40' HIGH PITCH MODULAR BUILDINGS**

SITE SPECIFIC PROJECT NAME

SHEET TITLE  
**MOMENT FRAME ELEVATIONS & DETAILS**

MANUFACTURER PROFESSIONAL OF RECORD ON PC

Professional Engineer Seal: **MANUEL D. FERRER**, No. 53360, Structural, State of California, 8-20-18, RST18175

THESE DRAWINGS ARE PRELIMINARY AND NOT FOR CONSTRUCTION UNLESS STAMPED & SIGNED BY THE ENGINEER OF RECORD

PROJECT SPECIFIC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**02 117846**  
AC. FLS. SS.  
DATE **AUG -7-2019**

ORIGINAL PC STATE AGENCY APPROVAL

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT  
**PC 02-115726**  
AC. FLS. SS.  
DATE **10-11-2018**

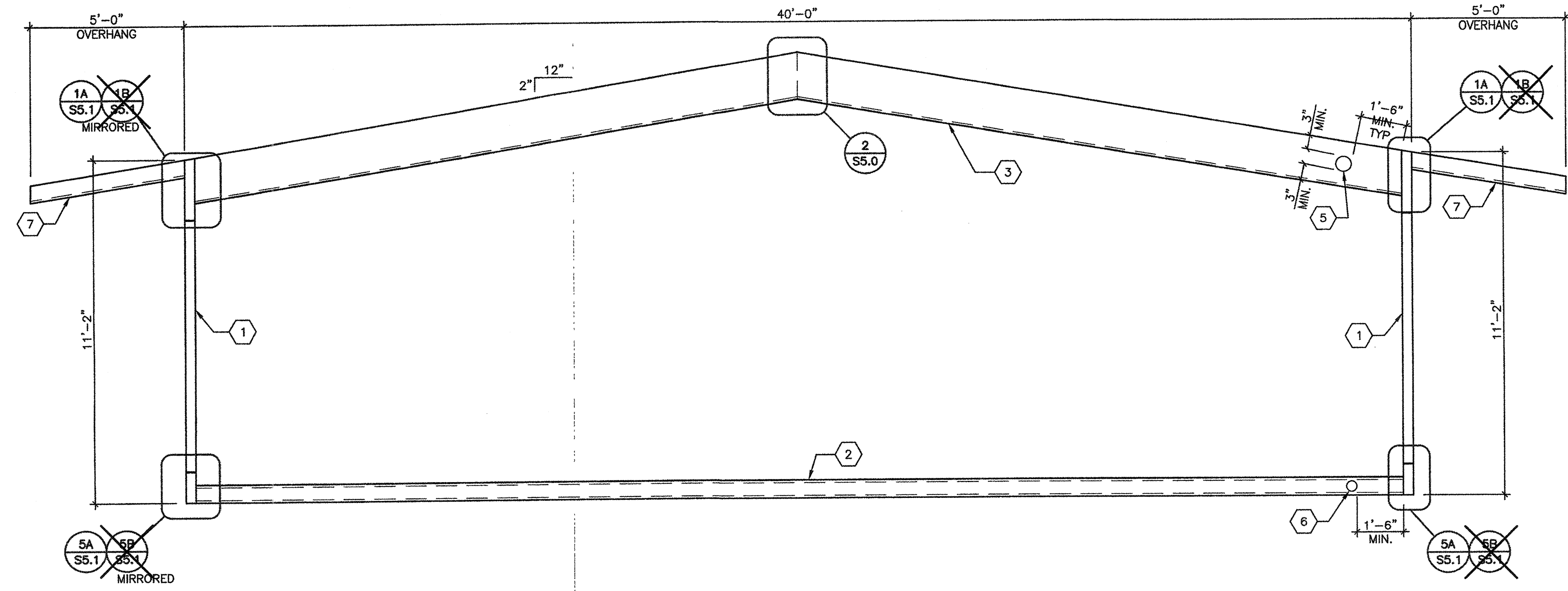
**PRE-CHECK (PC) DOCUMENT**  
CODE 2018 CBC  
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

REVISIONS

DRAWN BY: AS NOTED  
SCALE: AS NOTED  
DATE:

SHEET NUMBER

**S5.0-02**



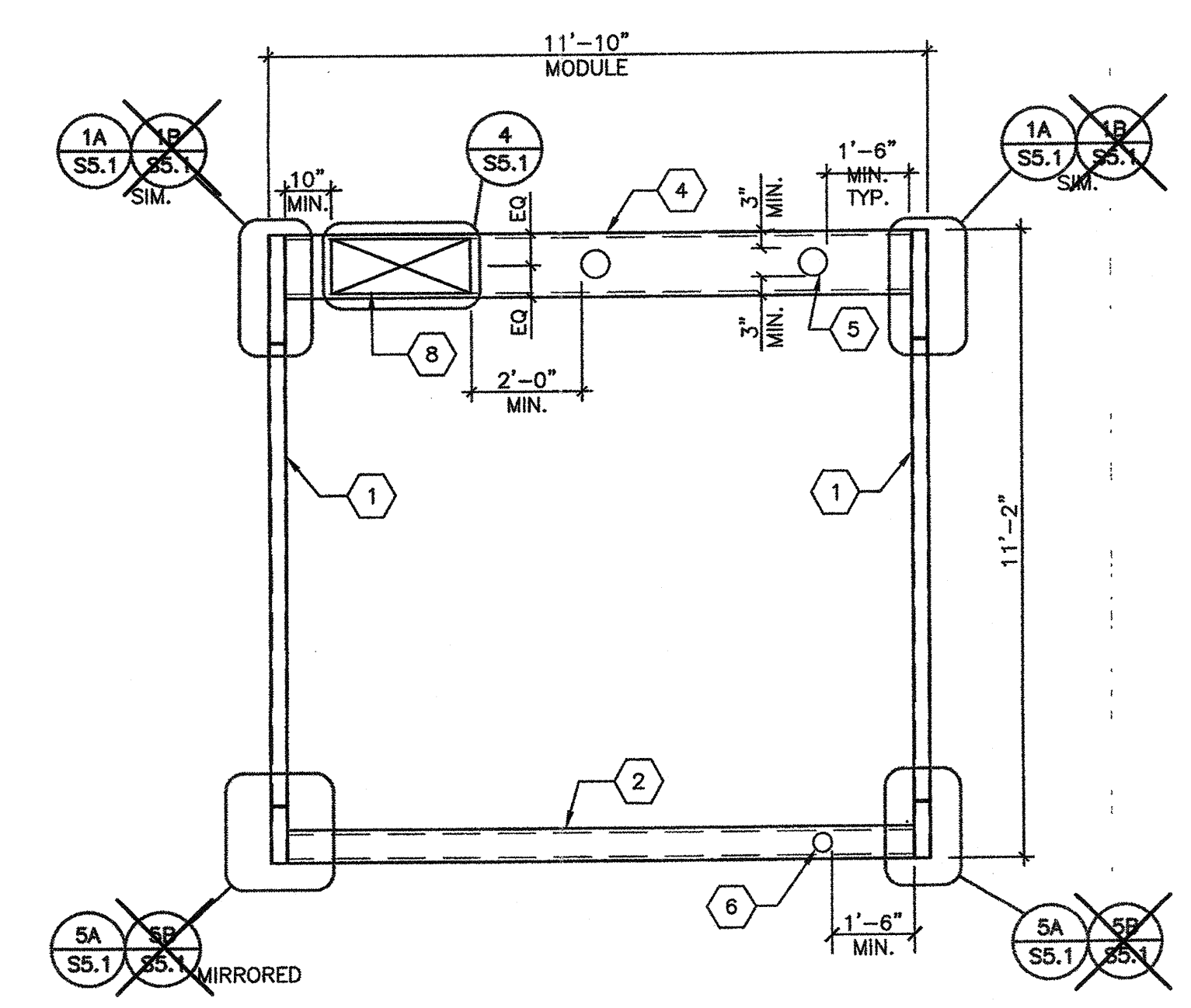
NOTE:  
'A' SERIES DETAILS (I.E. 5A) COINCIDE WITH "LOW SEISMIC" DETAILS.  
'B' SERIES DETAILS (I.E. 5B) COINCIDE WITH "HIGH SEISMIC" DETAILS.

- 1 HSS COLUMN - SEE SCHEDULES 3/- BELOW
- 2 FLOOR BEAM - SEE SCHEDULES 3/- BELOW
- 3 LONGITUDINAL ROOF BEAM - SEE SCHEDULES BELOW
- 4 TRANSVERSE ROOF BEAM - SEE SCHEDULES BELOW
- 5 6" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF ROOF BEAM EXCEPT AS NOTED OTHERWISE ON FRAMING ELEVATION. - SEE 6/SS.1  
NOTE: IF HOLE IS 3" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM
- 6 4" MAX OPENING IN WEB OF FLOOR BEAM WITHOUT WEB REINFORCEMENT. MINIMUM SPACING OF HOLES @ 48" O.C. HOLES MAY OCCUR @ ANY LOCATION ALONG LENGTH OF FLOOR BEAM WITH DIRECT FOUNDATION SUPPORT BELOW. OPENINGS ARE NOT ALLOWED WHERE BEAMS ARE SPANNING BETWEEN FOUNDATIONS OR ACROSS VENT OPENINGS. - SEE 6/SS.1  
NOTE: IF HOLE IS 2" OR LESS, THEY MAY BE SPACED @ 24" O.C. MINIMUM.
- 7 14 GA. OUTRIGGER CHANNEL (FORMED SOFFIT CEE) AT OPTIONAL
- 8 12" X 30" MAX OPENING REFER TO DETAIL 4A-SS.1 FOR OPENING REINFORCEMENT

SCALE: 3/8"=1'-0" 1

KEY NOTES

TYPICAL LONGITUDINAL FRAME ELEVATION

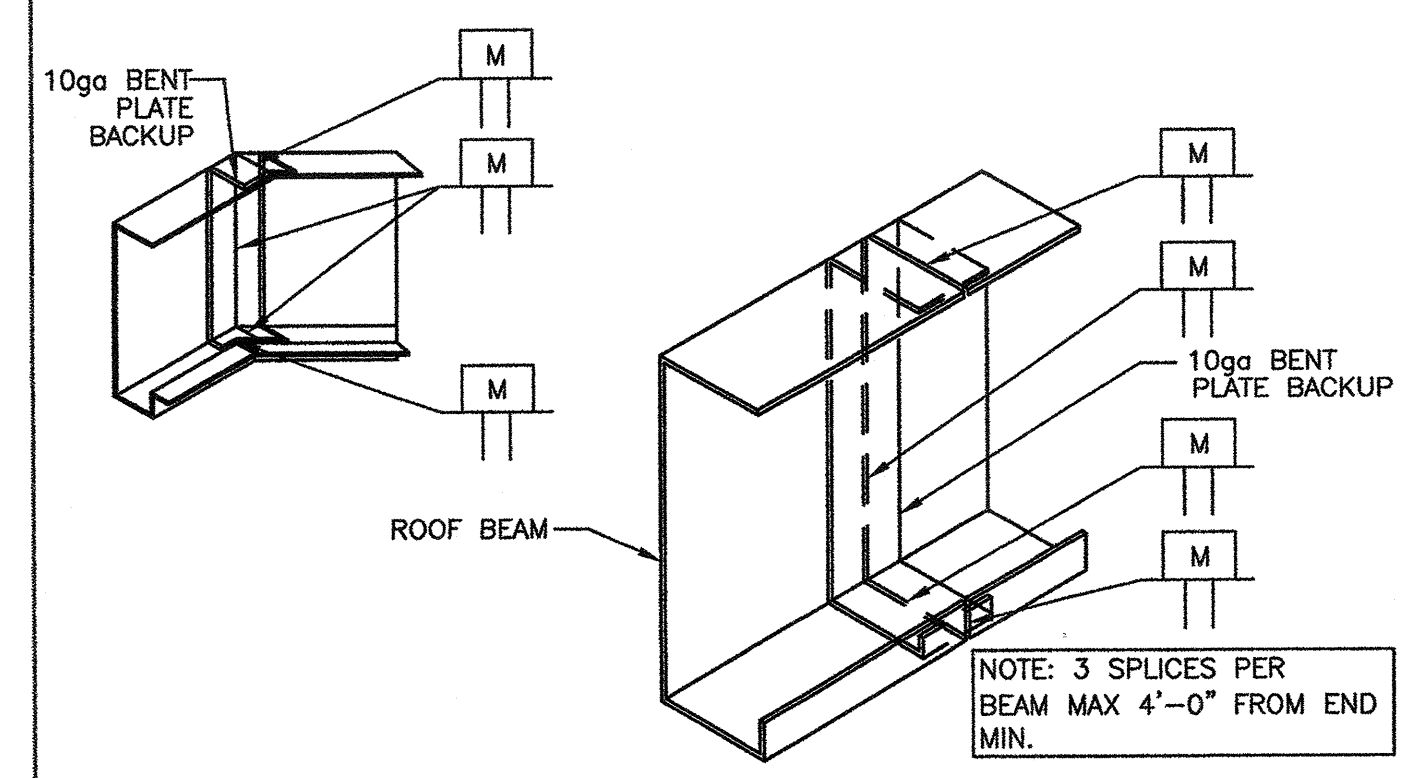


NOTE:  
'A' SERIES DETAILS (I.E. 5A) COINCIDE WITH "LOW SEISMIC" DETAILS.  
'B' SERIES DETAILS (I.E. 5B) COINCIDE WITH "HIGH SEISMIC" DETAILS.

SCALE: 3/8"=1'-0" 4

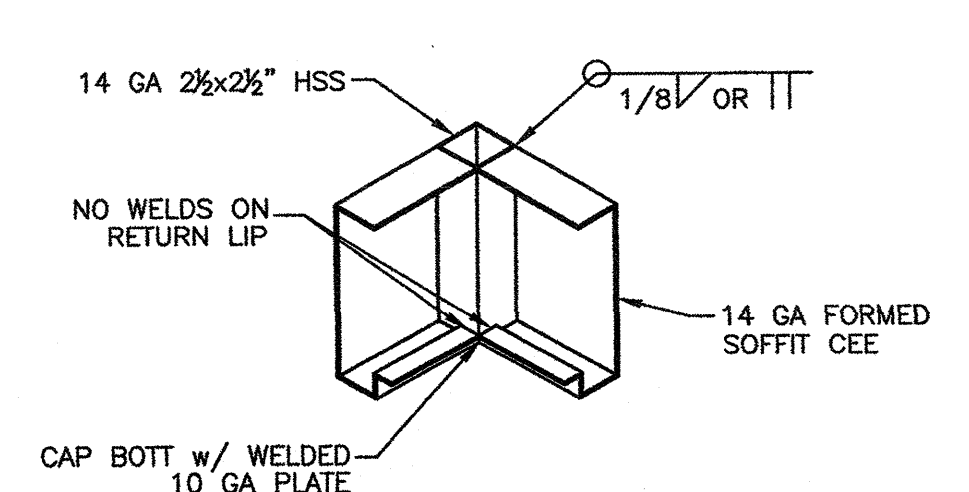
TYPICAL TRANSVERSE FRAME ELEVATION

THE WELDING PROCEDURE QUALIFICATION TEST RECORD AND WELDING PROCEDURE SPECIFICATION FOR THIS WELD SHALL BE PREPARED IN ACCORDANCE WITH AWS D1.1-10 & D1.3-08 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.



SCALE: 1 1/2"=1'-0" 2

TYPICAL BEAM SLICE



SCALE: 1 1/2"=1'-0" 5

OVERHANG CORNER DETAIL

FLOOR BEAMS		ALT. FLOOR BEAMS		COLUMNS	LONGITUDINAL ROOF CHANNEL	TRANSVERSE ROOF CHANNEL
PLYWOOD FLOOR	CONCRETE FLOOR	PLYWOOD FLOOR	CONCRETE FLOOR	HSS	10 GA.	12 GA.
07x08	C9x13.4 (36 KSI)	09x13.4 (36-165)	09x13.4 (36-165)	HSS 4x4x5/8	10 GA.	12 GA.

FRAME MEMBER SCHEDULE - (LOW SEISMIC) 3A

FLOOR BEAMS		ALT. FLOOR BEAMS		COLUMNS	LONGITUDINAL ROOF CHANNEL	TRANSVERSE ROOF CHANNEL
PLYWOOD FLOOR	CONCRETE FLOOR	PLYWOOD FLOOR	CONCRETE FLOOR	HSS	10 GA.	10 GA.
C9x13.4 (50 KSI)	C9x13.4 (50 KSI)	C10x15.3	10x15.3	HSS 6x4x5/8 (SEE ORIENTATION BELOW)	10 GA.	10 GA.

**NOT USED**

FRAME MEMBER SCHEDULE - (HIGH SEISMIC) 3B