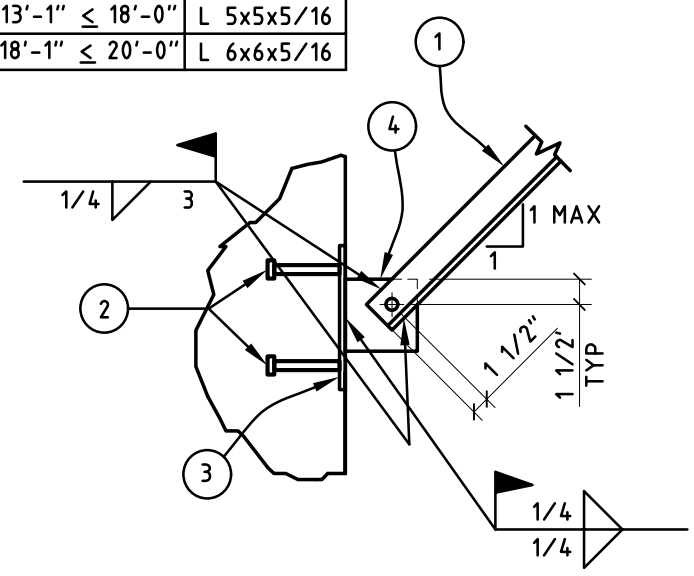


LENGTH	BRACE SIZE
L < 8'-0"	L 3x3x1/4
8'-1" < 13'-0"	L 4x4x1/4
13'-1" < 18'-0"	L 5x5x5/16
18'-1" < 20'-0"	L 6x6x5/16

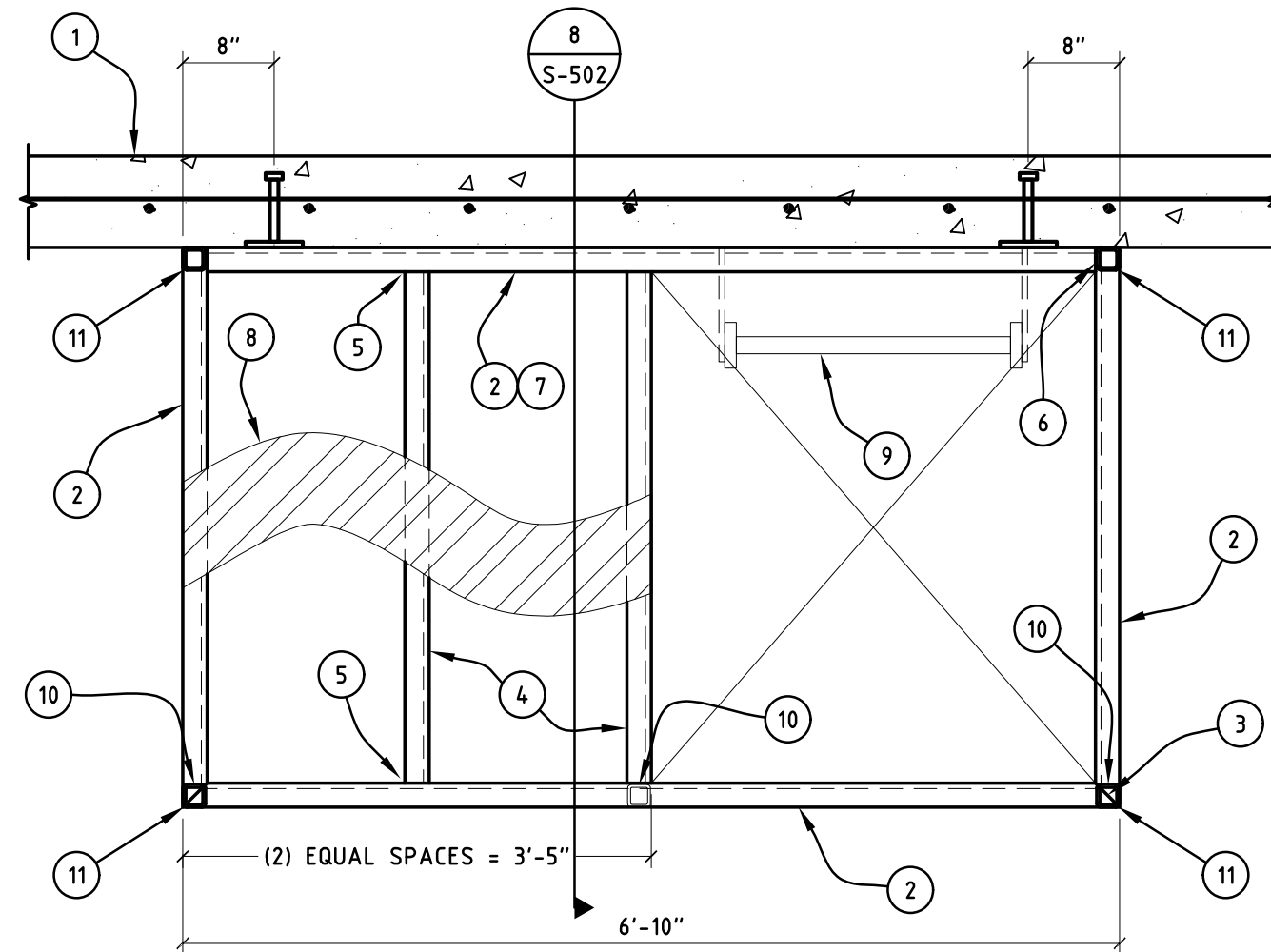


1. ANGLE BRACE PER SCHEDULE.
2. (4) 3/4" DIA H.A.S. AT 8" O.C. E.W. CENTER ON PLATE
3. PL 3/8x12x1'-0" CENTERED ON VERT LEG OF ANGLE.
4. PL 3/8x6x0'-6"
5. (1) 3/4" DIA. ERECTION BOLT. (OPTION. WELD W/ 1/4" TYP.)
6. SEE DETAIL 9/S-502 FOR CONNECTION AT ROOF.

NOTE:
DO NOT WELD ANY CONNECTIONS
UNTIL ALL DEAD LOAD IS ON ROOF.

10

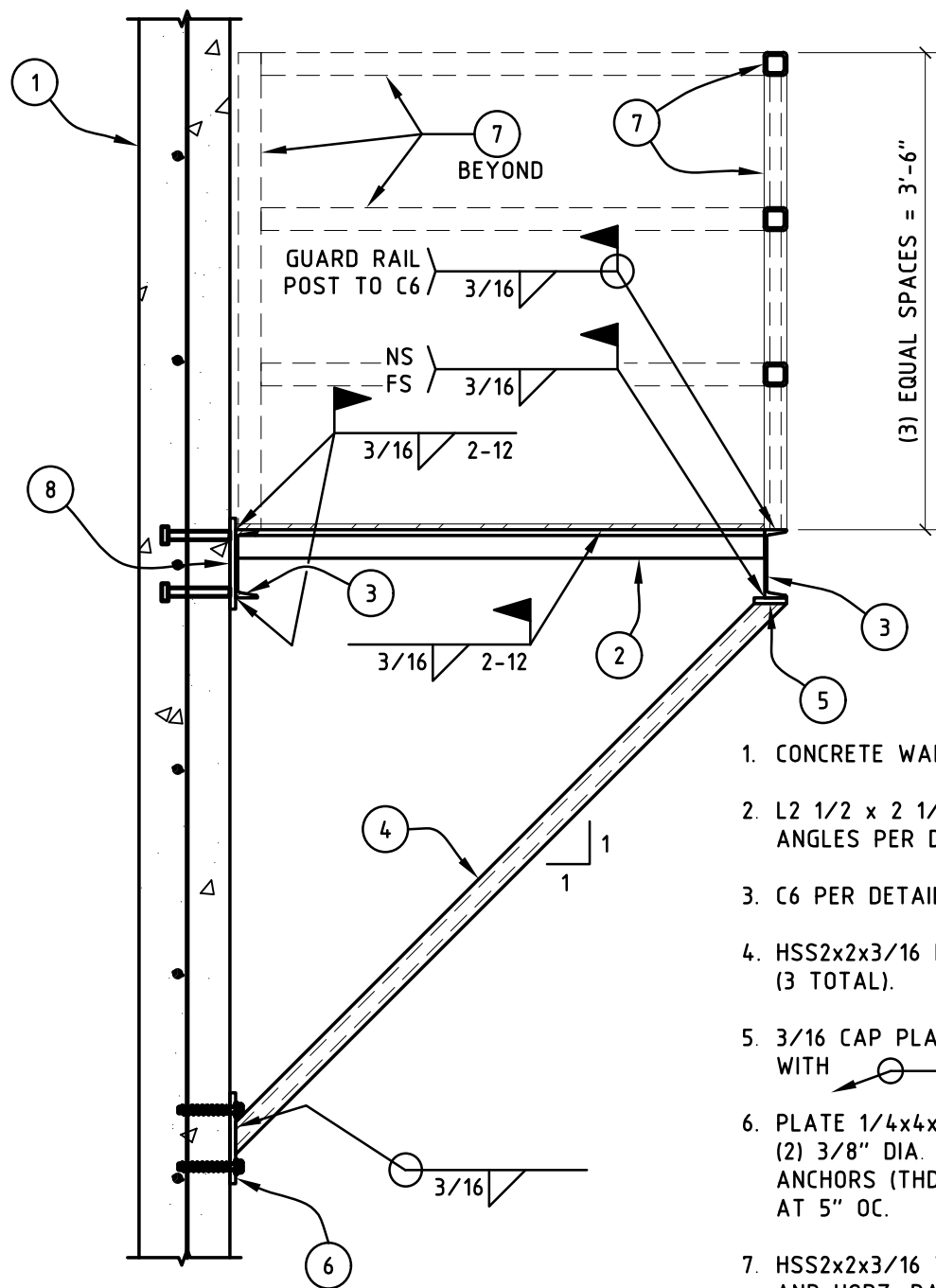
BRACE TO TILT PANEL



1. CONCRETE WALL PER PLAN.
2. C6x13 PERIMETER CHANNEL.
3. MITRE CORNER AND WELD WITH 3/16" SMOOTH
4. L2 1/2 x 2 1/2 x 1/4 SUPPORT ANGLES.
5. WELD EACH LEG WITH 3/16"
6. WELD WITH 3/16"
7. FASTEN C6 LEDGER TO WALL WITH EMBEDS PER DETAIL 8/S-502
8. 3/16" THICK DIAMOND PLATE.
9. LADDER PER ARCH'L.
10. HSS2x2x3/16 DIAGONAL SUPPORT PER DETAIL 8/S-502
11. HSS2x2x3/16 GUARDRAIL POST. SEE DETAIL 8/S-502 FOR ADDITIONAL INFO.

7

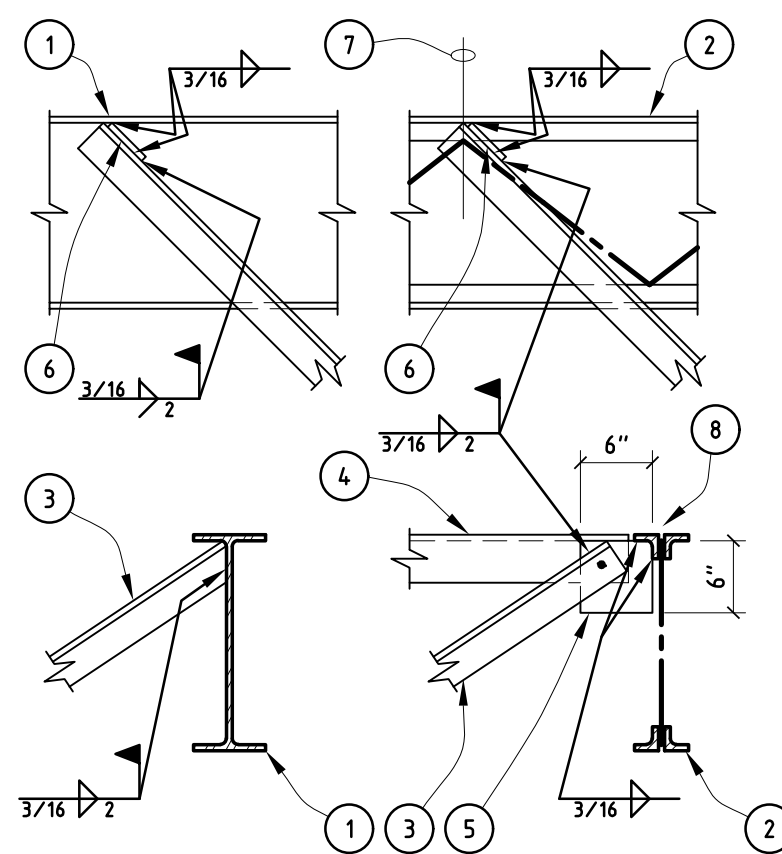
ROOF ACCESS LADDER PLATFORM



1. CONCRETE WALL PER PLAN.
2. L2 1/2 x 2 1/2 x 1/4 SUPPORT ANGLES PER DETAIL 7/S-502.
3. C6 PER DETAIL 7/S-502.
4. HSS2x2x3/16 DIAGONAL SUPPORT (3 TOTAL).
5. 3/16 CAP PLATE. WELD TO TUBE WITH 3/16"
6. PLATE 1/4x4x0'-8" WITH (2) 3/8" DIA. SIMPSON TITEN HD ANCHORS (THD37400H- ICC ESR 2713) AT 5" O.C.
7. HSS2x2x3/16 VERTICAL END POSTS AND HORIZ. RAILS.
8. EMBED PLATE 3/8x4x0'-8" WITH (2) 3/4" DIA. H.A.S. AT 5" O.C. LOCATE PER DETAIL 7/S-502.

8

ROOF ACCESS LADDER PLATFORM SECTION

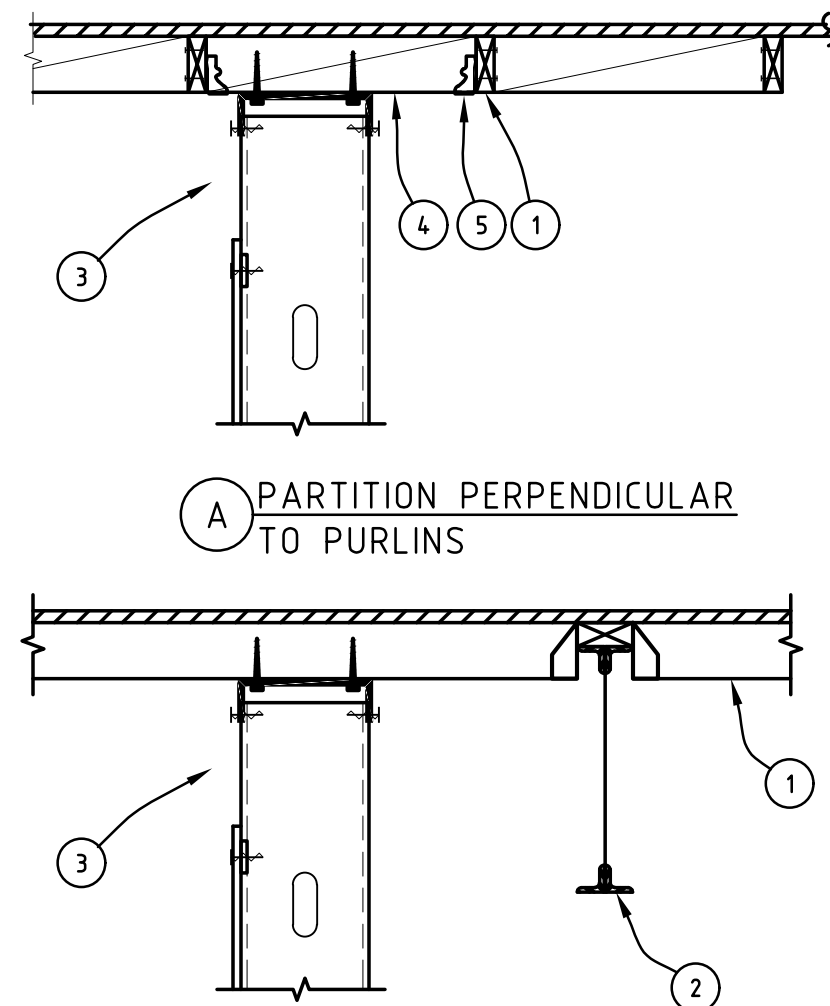


1. STEEL BEAM.
2. STEEL JOIST.
3. ANGLE BRACE
4. L 4x4x1/4 SPANNING FROM JOIST TO JOIST. WELD METAL DECK TO ANGLE PER G.S.N.
5. 3/8 SHEAR PLATE W/ 3/4" DIA. ERECTION BOLT.
6. PL 3/8x4"x0'-8" WELD TAB
7. CENTERLINE OF TOP CHORD PANEL POINT AND END OF ANGLE.
8. MAKE CONNECTION AT PANEL POINT OR SEE DETAIL 10/S-502 FOR JOIST REINF.

BRACE WIND LOAD:
F_{vert}= 3.0K (ASD)
F_{horiz}= 3.0K (ASD)

9

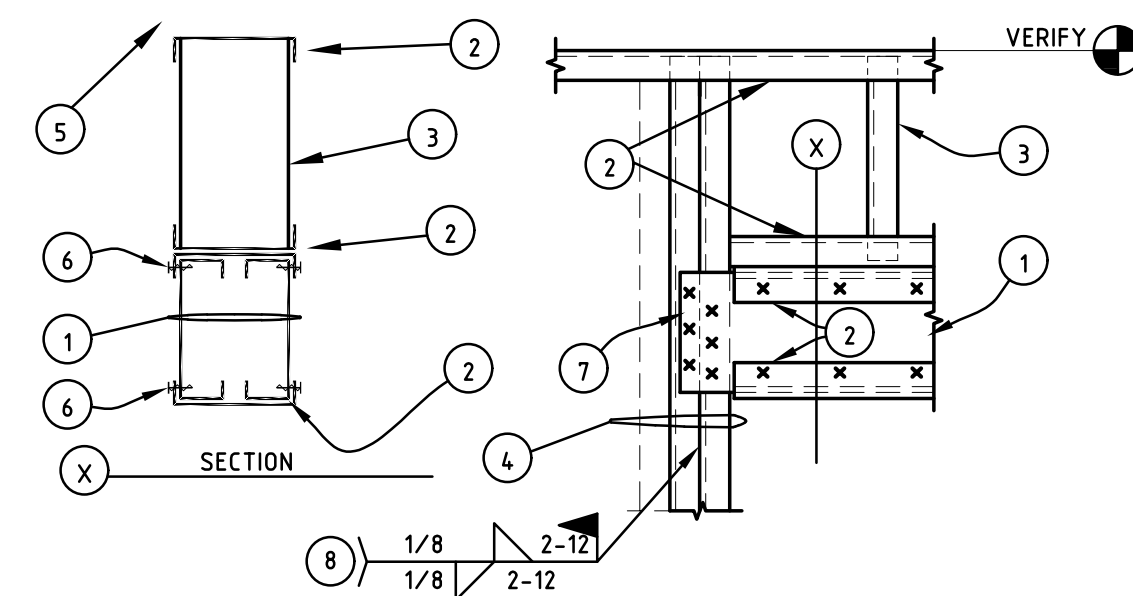
TYPICAL BRACE CONNECTION



1. 2x ROOF JOISTS BY OTHERS AT 24" O.C.
2. JOIST PURLINS BY OTHERS AT 8'-0" O.C.
3. TRACK AND CLIP SYSTEM PER DETAIL 3/S-502.
4. 3x BLOCKING FOR (3) BAYS TO MATCH DEPTH OF SUB-PURLIN. LOCATE AT 24" O.C. MAX. TOE NAIL TO 2x SUB-PURLINS WITH (2) 10d EXCEPT AS INDICATED PER NOTE 5.
5. SIMPSON 'U' HANGER AT EACH END OF BLOCKING ATTACHED TO TRACK.

4

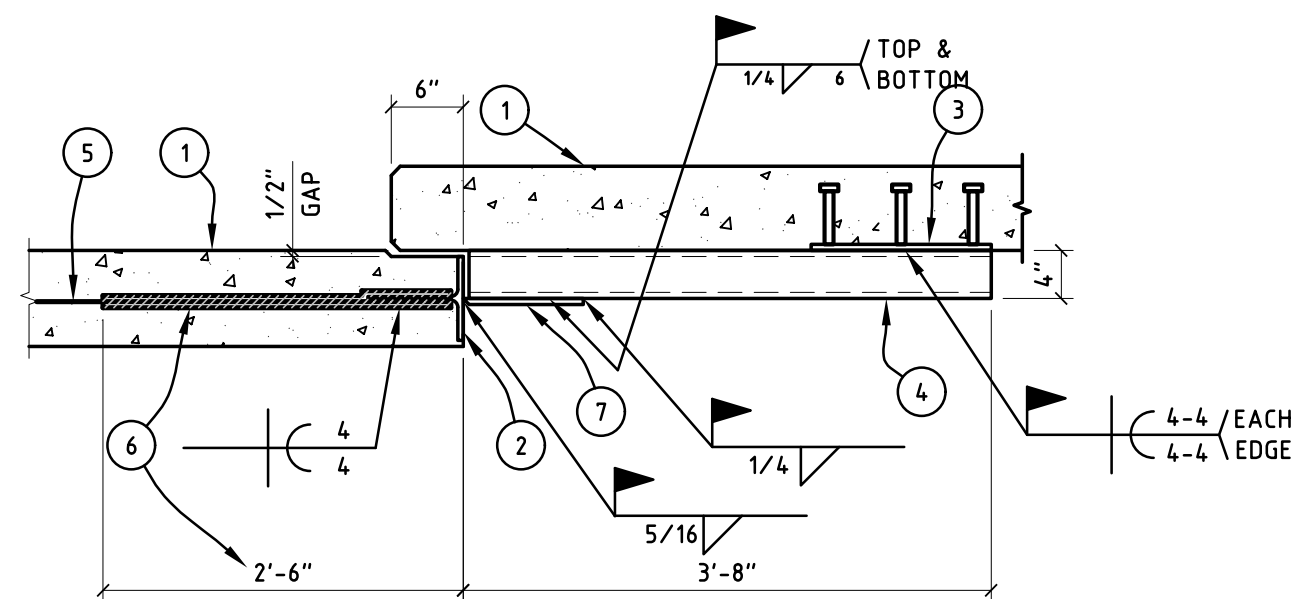
FULL HEIGHT DEMISING WALL TO ROOF FRMNG



1. HEADER JOISTS - SEE SCHEDULE.
2. 16 GA. CONT. TRACK.
3. STEEL STUDS
4. JAMB STUDS PER SCHEDULE
5. CONSTRUCTION ABOVE TOP OF WALL NOT SHOWN.
6. #10 S.M.S. AT 8" O.C. EACH SIDE, TYPICAL TRACKS TO BEAM.
7. #10 S.M.S. AT 3" O.C. EACH ROW EACH SIDE.
8. PROVIDE #10 TEK SCREWS AT 8" O.C. IN LIEU OF WELD AT CONTRACTORS OPTION.

5

HEADER DETAILS AT FULL HEIGHT DEMISING WALLS

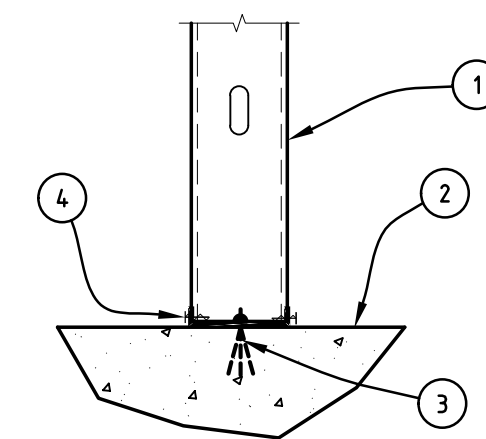


1. CONCRETE TILT PANEL.
2. WT8x18x1'-0" LONG.
3. EMBED PL 1/2x12x1'-3" LONG WITH (2) ROWS OF (3) 3/4" DIA. H.A.S. AT 6" O.C. SPACE ROWS AT 8" O.C.
4. HSS8x4x1/4 x 3'-8" LONG.
5. (2) #6 (A706) x 6'-0" LONG DOWELS AT 3" O.C.
6. WRAP DOWELS AND END OF WT SECTION W/ 1/4" THICK COMPRESSIBLE MATERIAL.
7. PLATE 1/2x6x0'-10"

ALIGN CENTERLINE OF EMBED PLATE, WT, AND TS MEMBER. SEE PANEL ELEVATION FOR ELEVATION OF CONNECTION.

6

CHORD TIE CONNECTION

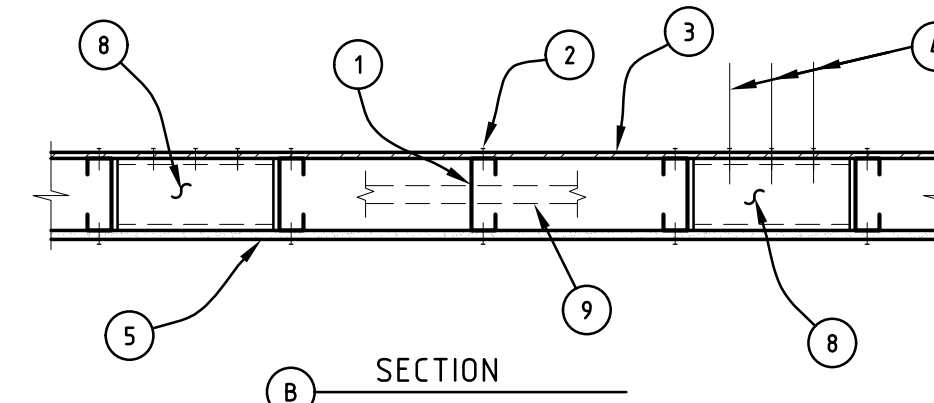
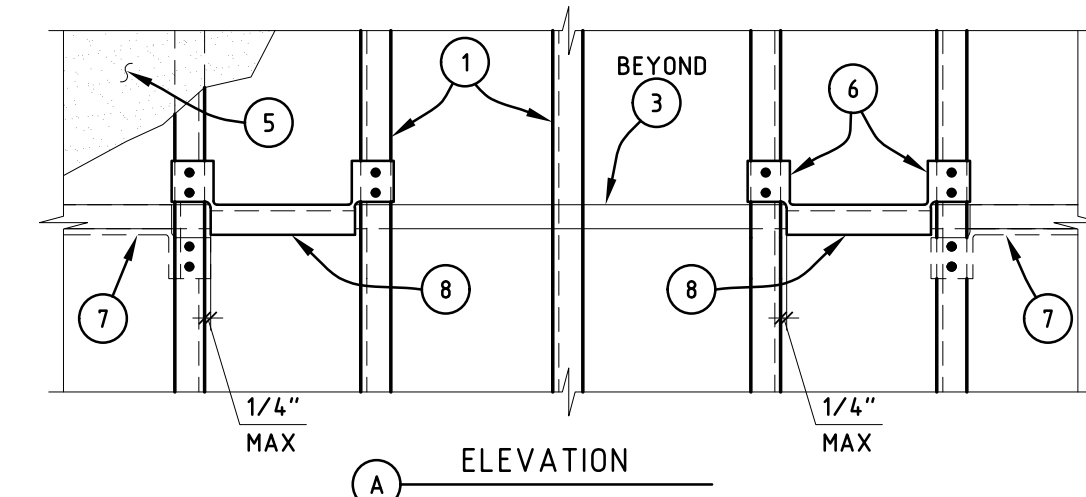


1. 600S162-54 METAL STUDS AT 16" O.C. SEE DETAIL 2/S-502 FOR BLOCKING AND BRIDGING REQUIREMENTS.
2. TOP OF CONCRETE SLAB-ON-GRADE
3. 0.145" DIA. HILTI-XDNI FASTENERS (ICC ERM 2388) W/ 1" EMBEDMENT AT 16" O.C.
4. CONT. 600T125-54 TRACK.

NOTE:
SEE ARCH'L. DRAWINGS
FOR WALL SHEATHING

1

FULL HEIGHT DEMISING WALL TO S.O.G.

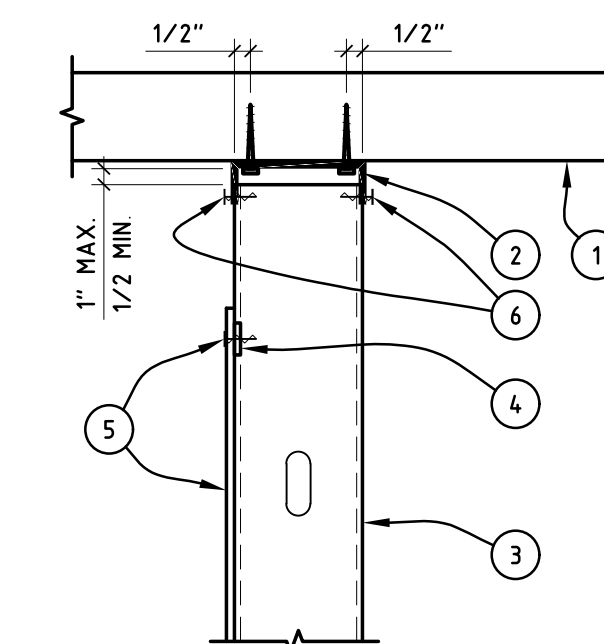


NOTE:
• BLOCKING TO OCCUR AT EACH END OF WALL OR ADJACENT TO EACH OPENING AND AT 8'-0" O.C. MAX. HORIZ. AND AT 4'-0" MAX. VERT.
• BLOCKING AND STRAPS NOT REQUIRED WHERE SHEATHING OCCURS BOTH SIDES.

1. METAL STUD PER DETAIL 1/S-502.
2. (1) #8 GA. SCREW AT EACH INTERMEDIATE STUD
3. 20 GA. x 2" CONT. STRAP, ON FACES OF WALL WHERE WALL SHEATHING DOES NOT OCCUR
4. (3) #8 GA. SCREWS BETWEEN STRAPS AND BLOCKING, TYP.
5. WALL SHEATHING PER ARCH'L.
6. WEB OF MT BLKG BENT & FLANGES CONNECTED W/ (2) #8 SCREWS EACH FLANGE.
7. BLOCKING WHERE OCCURS.
8. 'T' TRACK BLKG WHERE OCCURS. DEPTH & GAUGE TO MATCH STUDS.
9. PROVIDE CONTINUOUS 'CRC' CHANNEL IN LIEU OF BLOCKING AND STRAPS AT CONTRACTOR'S OPTION

2

BLOCKING AND BRIDGING AT STEEL STUDS



1. FRAMING BY OTHERS (VARIES) AT 24" O.C. MAX.
2. CLARK DIETRICH 6" x 56 MIL 'MAXTRAK' SLIP TRACK. FASTEN CONT. TRACK TO 2x FRAMING W/ (2) #8 x 1 1/2" LG. PAN-HEAD SCREWS AT 24" O.C. MAX.
3. METAL STUDS PER DETAIL 1/S-502
4. 2x 18GA CONTINUOUS STRAP.
5. SHEATHING PER ARCH'L. SCREW TO BLOCKING ONLY. DO NOT FASTEN TO SLIP TRACK.
6. FASTENERS PER TRACK MFRS. RECOMMENDATIONS IN VERTICALLY SLOTTED HOLES IN TRACK.

3

FULL HEIGHT DEMISING WALL TO ROOF FRMNG