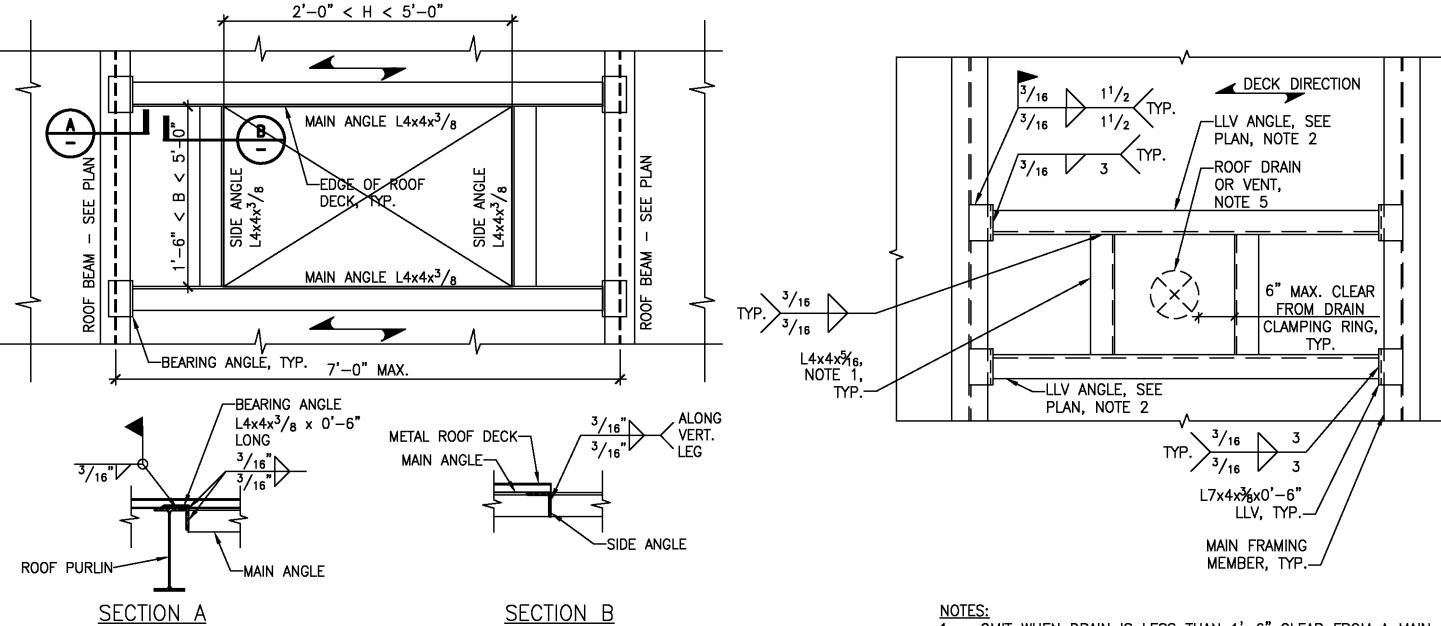


ROOF DECK OPENING REINFORCEMENT

2. DETAIL DOES NOT APPLY TO OPENINGS SHOWN ON PLAN WITH STEEL SUBFRAMING. 3. FOR OPENINGS CUT IN THE FIELD, NOT SHOWN ON PLAN, AND EXCEEDING THE MAXIMUM SPAN LIMITS, ADD SUBRAMING PER TYPICAL FLOOR OPENING DETAILS. DETAIL APPLIES TO OPENINGS SPACED NO CLOSER THAN 5'-0" CLEAR IN DIRECTION TRANSVERSE TO DECK RIBS AND NO CLOSER THAN 10'-0" CLEAR IN DIRECTION PARALLEL TO RIBS. REVIEW SPECIFIC CONDITIONS WITH SER THAT MIGHT ALLOW MODIFICATIONS TO THE SPECIFIED PARAMETERS OF THE DETAIL.



 $\frac{3}{4}$ " = 1'-0"

I. ADVISE SER IF OPENING EXCEEDS DIMENSION LIMITS SHOWN.

- 2. ROOF DECK MUST BE FASTENED TO SUBFRAMING ANGLES AS SHOWN IN TS-28. 3. TOPS OF MAIN AND SIDE ANGLES ARE FLUSH WITH TOP OF ROOF STEEL. 4. SUBFRAMING IS DESIGNED FOR EQUIVALENT 100 PSF LIVE LOAD AND NET 30 PSF WIND
- 5. CONTRACTOR MAY ELECT TO OMIT BEARING ANGLES AND COPE VERTICAL LEG OF MAIN
- ANGLES SUCH THAT THEY BEAR AT LEAST 4" ON TOP FLANGE OF ROOF BEAMS. 6. CONTRACTOR MAY ELECT TO FABRICATE ANGLE FRAMES IN FIELD.

SUBFRAMING FOR ROOF OPENING LARGER
THAN 2'-0" x 1'-6"

1. OMIT WHEN DRAIN IS LESS THAN 1'-6" CLEAR FROM A MAIN FRAMING MEMBER FLANGE EDGE.

- 2. OMIT ANGLE WHEN DRAIN IS LESS THAN 1'-0" CLEAR FROM A MAIN FRAMING MEMBER FLANGE EDGE, CONNECT SHORT ANGLES TO MAIN FRAMING MEMBER WITH L6x4x 1/6 WITH SAME WELDS SHOWN FOR L7x4 ANGLE SUPPORT.
- 3. TOP OF STEEL ELEVATION TO MATCH MAIN FRAMING MEMBER ELEVATIONS EXCEPT FOR L7x4 CONNECTIONS. 4. REFER TO TYPICAL DETAILS FOR SUPPORT AT CORNER CONDITION.
- 5. MAX OPENING SIZE $2'-0" \times 2'-0"$.

ROOF DRAIN OR VENT SUBFRAMING DETAIL

FASTENING PATTERN FOR 3" METAL ROOF DECK

CONTINUOUS %" BENT

COLUMN CENTERLINES.
MITER AT CORNERS.

PLATE. EXTEND TO BUTT AT

1/16

¼" STIFFENER PLATE @

 $\frac{3}{16}$, 4 @ 15" $\frac{3}{16}$, 4 @ 15"

1/₁₆"/2 @ 12"

18 GA. FINISH STRIP

AT DECK RIBS PARALLEL TO EDGE.

DECK DIRECTION

2'-0" OC-\

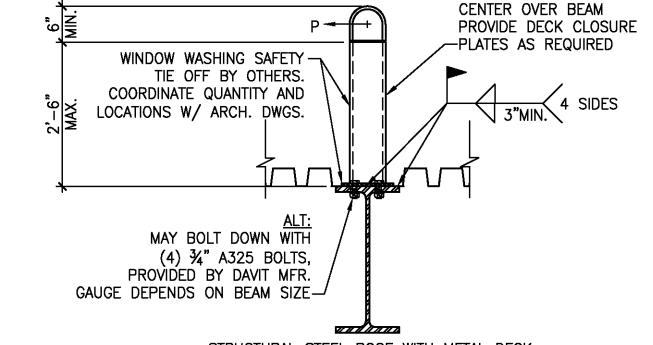
CONTINUOUS %" BENT PLATE. $\frac{3}{16}$, 4 @ 15" $\frac{3}{16}$, 4 @ 15" EXTEND TO BUTT AT COLUMN CENTERLINES. MITER AT CORNERS. 1/₁₆"/2 @ 12"

18 GA. FINISH STRIP AT DECK RIBS PARALLEL TO EDGE.— DECK DIRECTION

<u>UP TO 1'-0" EOS</u>

TYPICAL ROOF DECK EDGE SUPPORT

<u>UP TO 2'-6" EOS</u>



1. SAFETY TIE OFF MUST BE 5' MIN. FROM SLAB EDGE, CENTER OVER STEEL BEAMS.

SAFETY TIE-OFF AT ROOF

3/4" = 1'-0"

STRUCTURAL STEEL ROOF WITH METAL DECK 2. P = 5 KIPS MAX ULTIMATE LOAD

DOCUMENTS 06.14.2013

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Revisions

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TYPICAL STEEL **DETAILS**

S00-24

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