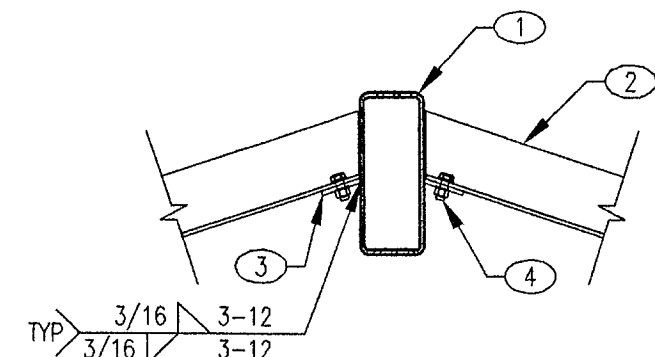
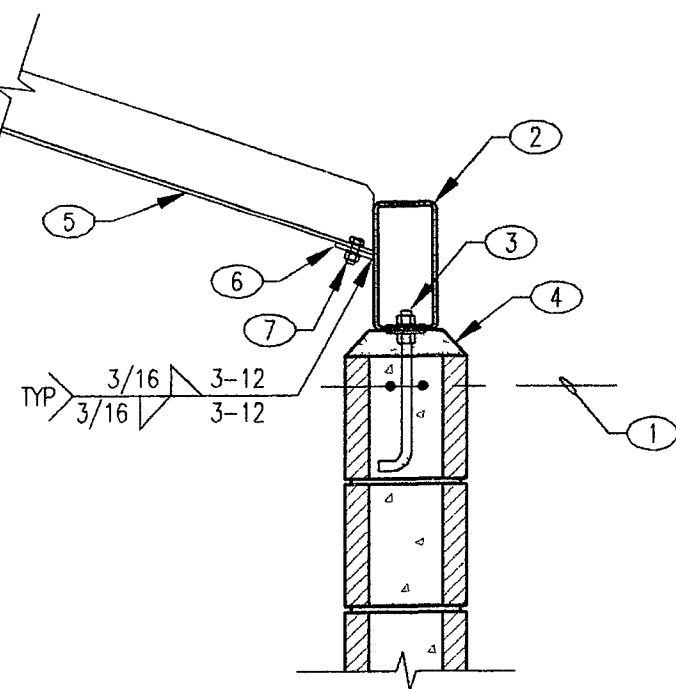


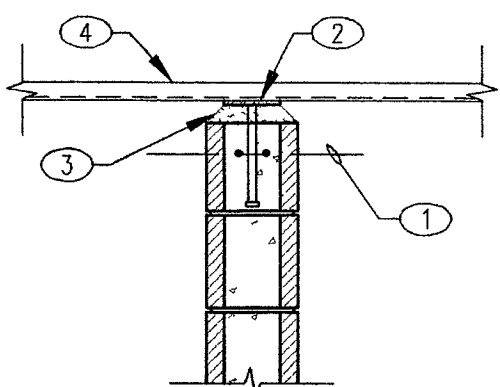


- KEYNOTES:**
1. HSS PER PLAN
 2. TYP TRELLIS MEMBER PER PLAN
 3. 1/4"x2 1/2" CONT PLATE W/ OVERSIZED HOLES AT 12" O.C.
 4. 1/2"Ø BOLTS AT EACH TRELLIS MEMBER



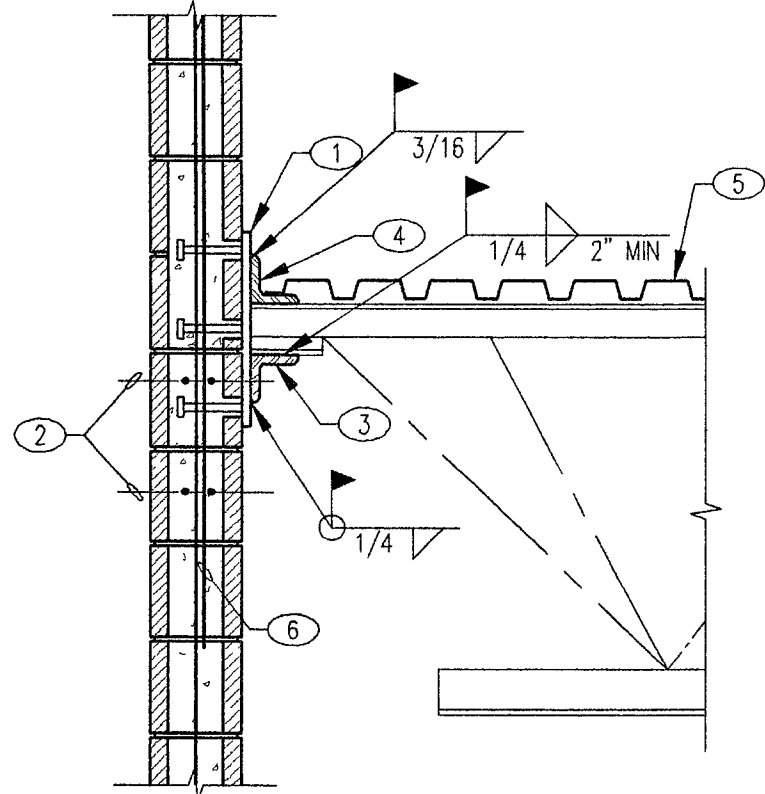
8 L4x4 TRELLIS MEMBER AT HSS AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. REINFORCING AT TOP OF PARAPET PER GSN
 2. HSS PER PLAN W/ ACCESS HOLES ON INSIDE FACE TO TIGHTEN A.B. NUTS
 3. 3/4"Ø x 8" EMBED ANCHOR BOLT AT 32" O.C. W/ LEVELING NUT AND OVERSIZED WASHER T&B. HAND TIGHTEN NUT AND SPOIL THREADS TO PREVENT BACK-OFF
 4. 1 1/2" NON-SHRINK GROUT BELOW HSS. SLOPE AWAY FROM HSS
 5. L4x4 TRELLIS MEMBERS PER PLAN
 6. 1/4"x2 1/2" CONT PLATE W/ OVERSIZED HOLES AT 12" O.C
 7. 1/2"Ø BOLTS AT EACH TRELLIS ANGLE



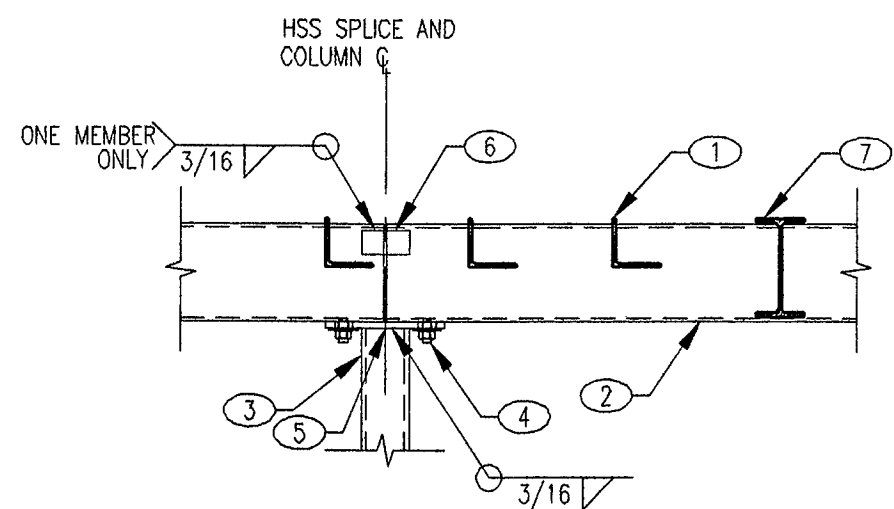
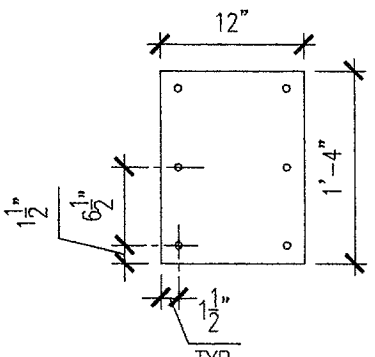
4 STEEL DECK AT INTERIOR MASONRY WALL
NO SCALE

- KEYNOTES:**
1. HORIZ REINFORCING AT ROOF LINE PER GSN
 2. 3/8"x4"CONT PLATE W/ 5/8"x8" HEADED STUD AT 24" O.C
 3. 1 1/2" MAX NON-SHRINK GROUT OPTIONAL
 4. STEEL DECK ATTACHED TO SUPPORT PER GSN



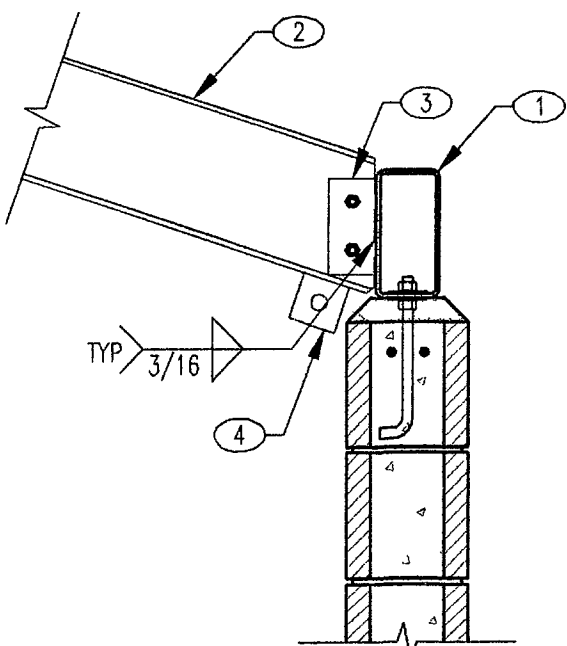
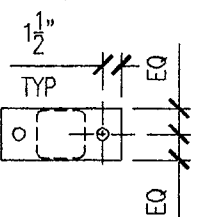
1 STEEL JOIST AT MASONRY WALL
NO SCALE 1A AS NOTED

- KEYNOTES:**
1. 3/4"x12"x1'-4" EMBED PLATE W/ (6) 5/8"Øx5" HEADED STUDS
 2. CONT HORIZ REINF AT ROOF LINE PER GSN
 3. L4x4x3/4x 0'-9" JOIST BEARING SEAT
 4. CONT LEDGER ANGLE
 5. STEEL ROOF DECK PER PLAN. ATTACH TO LEDGER AND JOIST PER GSN
 6. AT 1A, ADD #5 VERT BAR CENTERED BEHIND JOIST EMBED PLATE. EXTEND TO TOP OF WALL AND BOTTOM OF CLERESTORY OPENING LINTEL AS OCCURS



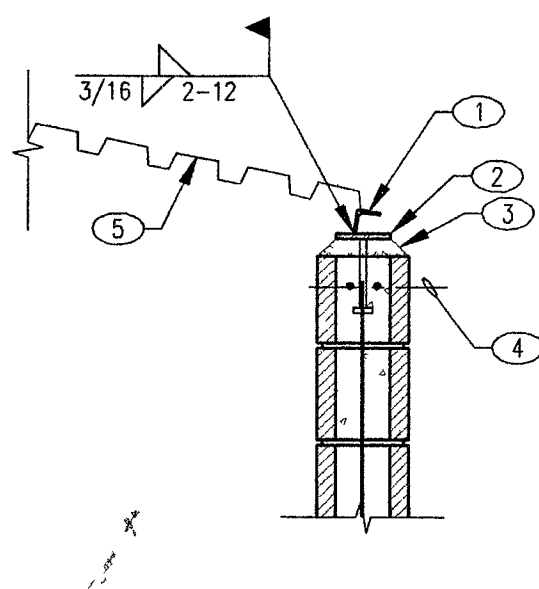
13 TRELLIS AT HSS RIDGE
NO SCALE

- KEYNOTES:**
1. ANGLE PER PLAN
 2. HSS PER PLAN
 3. TRELLIS SUPPORT COLUMN PER PLAN
 4. PROVIDE (2) AUTOMATIC WELDED 3/4"Ø THREADED STUDS ON HSS
 5. 1/2"x4 1/2"x0'-10" LONG CAP PLATE W/ OVERSIZED HOLES.
 6. 3/16"x2"x4" PLATE EACH SIDE WELD ONLY TO ONE HSS MEMBER TO ALLOW HORIZ MOVEMENT
 7. W8x15 TRELLIS MEMBER
- NOTES:**
- A. HAND TIGHTEN NUT AND SPOIL THREADS TO PREVENT BACK-OFF



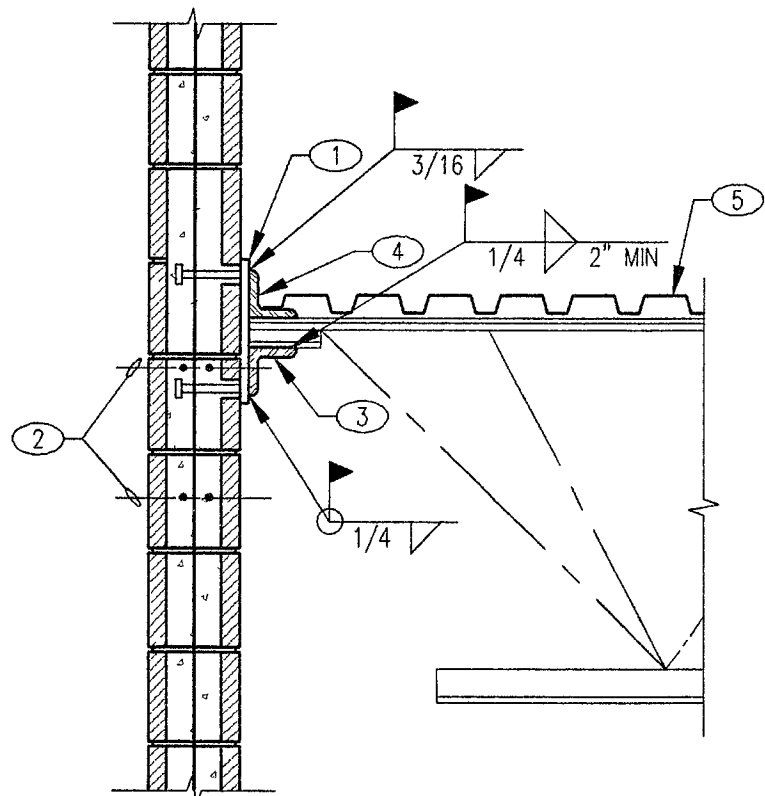
9 W8x15 TRELLIS SUPPORT AT HSS AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. HSS PER PLAN
 2. W8x15 TRELLIS SUPPORT MEMBER PER PLAN
 3. 1/4" THICK TAB W/ (2) 1/2" DIA THROUGH BOLTS STANDARD SIZE HOLES
 4. WELD TAB AS OCCURS AT TENSION BRACING PER TRELLIS FRAMING PLAN NOTE
- NOTES:**
- A. FOR ITEMS SHOWN BUT NOT NOTED SEE L4x4 TRELLIS MEMBER AT HSS AT MASONRY WALL DETAIL



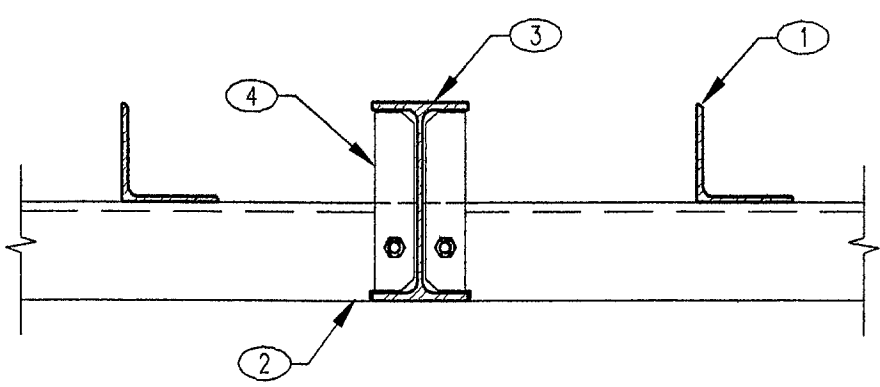
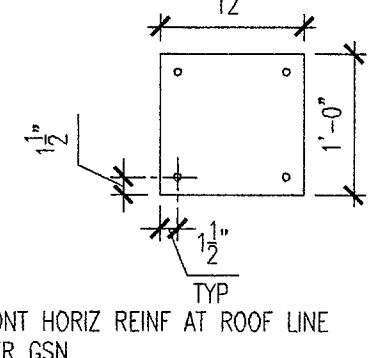
5 STEEL DECKING AT MASONRY WALL BETWEEN PITCHED TRUSS BEARINGS
NO SCALE

- KEYNOTES:**
1. L2x2x3/16 OR 3/16" BENT PLATE CONT EDGE ANGLE AS REQ'D
 2. 3/8"x4"xCONT PLATE W/ 5/8"Øx8" HEADED STUD AT 24" O.C.
 3. 1 1/2" NON-SHRINK GROUT
 4. HORIZ REINFORCING AT ROOF LINE PER GSN
 5. STEEL DECK ATTACHED TO SUPPORT PER GSN



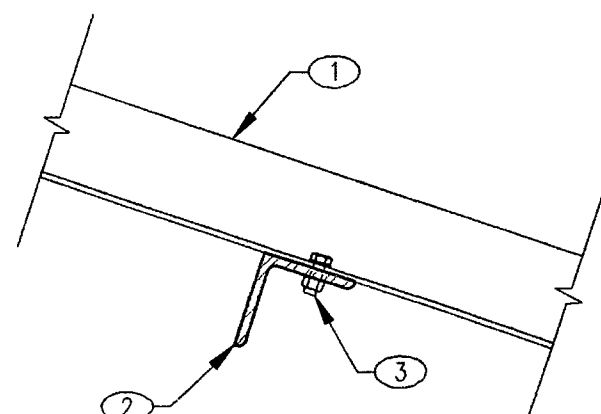
2 STEEL JOIST AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. 3/4"x12"x1'-0" EMBED PLATE W/ (4) 5/8"Øx5" HEADED STUDS
 2. CONT HORIZ REINF AT ROOF LINE PER GSN
 3. L4x4x3/4x 0'-9" JOIST BEARING SEAT
 4. CONT LEDGER ANGLE
 5. STEEL ROOF DECK PER PLAN. ATTACH TO LEDGER AND JOIST PER GSN.

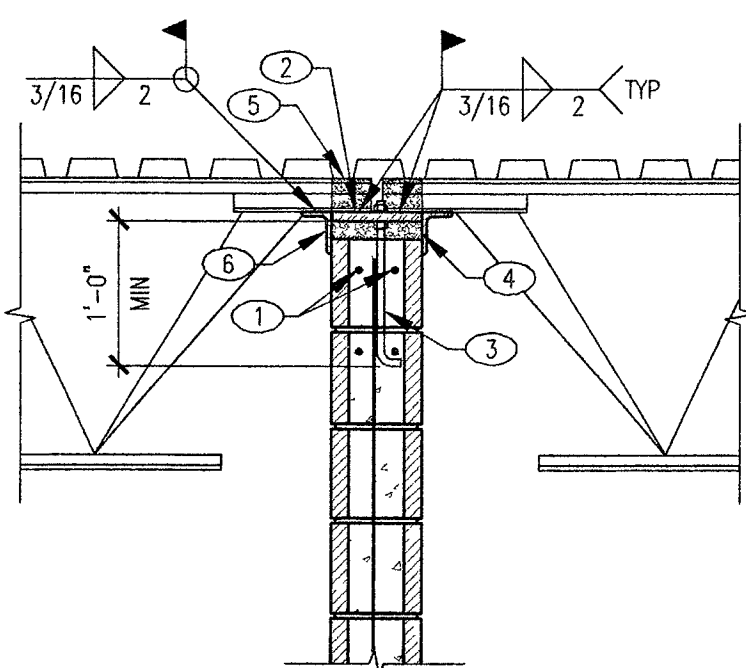


14 L4x4 TRELLIS SUPPORT AT W8x15
NO SCALE

- KEYNOTES:**
1. TYP L4x4 TRELLIS MEMBER PER PLAN
 2. L4x4x3/8 TRELLIS SUPPORT MEMBER COPE LEG AS REQ'D AT W8x15
 3. W8x15 TRELLIS SUPPORT MEMBER PER PLAN
 4. 1/4" WEB STIFFENER EACH SIDE W/ 1/2" DIA THRU BOLT AT L4x4

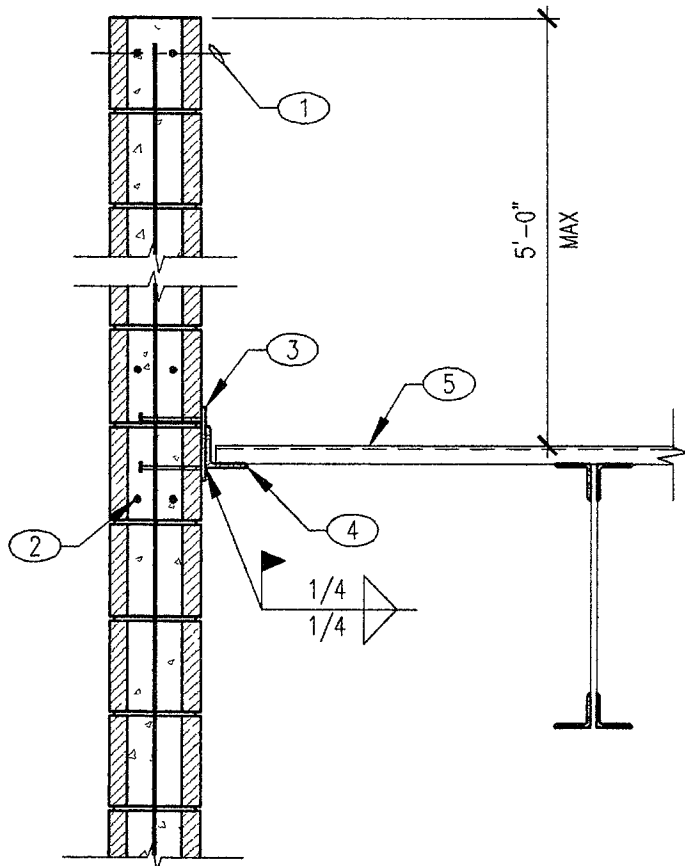
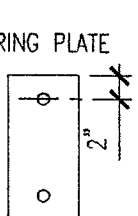


- KEYNOTES:**
1. TYPICAL L4x4 TRELLIS MEMBER PER PLAN
 2. L4x4x3/8 TRELLIS SUPPORT MEMBER AT MIDSPAN PER PLAN
 3. 1/2"Ø BOLT AT EA TRELLIS ANGLE



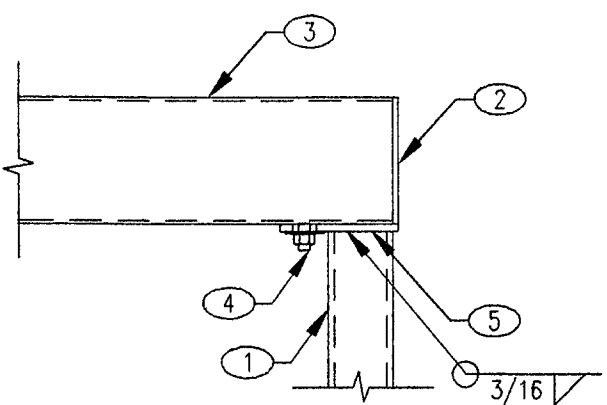
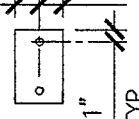
6 STEEL JOISTS AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. CONT HORIZ REINFORCING AT ROOF LINE PER GSN
 2. 3/4"x7 1/2"x1'-0" BEARING PLATE
 3. (2) 3/4"Ø ANCHOR BOLTS AT 8" O.C. (DOUBLE NUTS FOR LEVELING)
 4. 1 1/2" NON-SHRINK GROUT
 5. GROUT POCKET SOLID AFTER PLACING STEEL JOIST
 6. L3 1/2x2 1/2x1/2 (LLV) x 0'-8" LONG ANGLE PLACE SNUG TO FACE OF BLOCK EA SIDE OF WALL



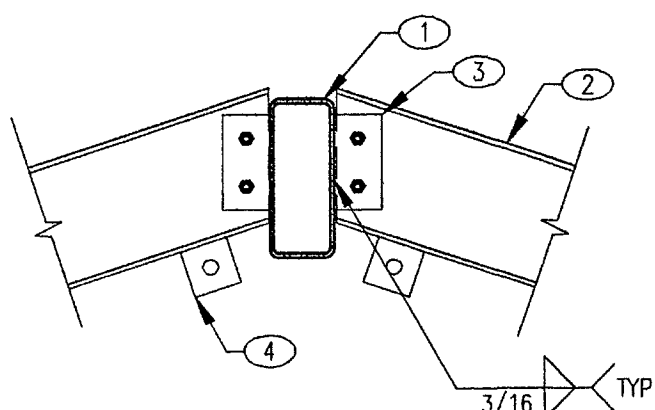
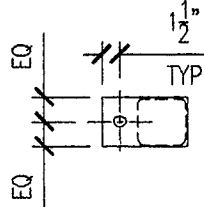
3 STEEL DECK AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. HORIZ REINFORCING AT TOP OF PARAPET PER GSN
 2. HORIZ REINFORCING AT ROOF LINE PER GSN
 3. 3/8x4x6 EMBED PLATE W/ (2) 5/8"Ø x 0'-5" HEADED STUDS AT 4'-0" O.C EQ
 4. L3 1/2 x 3 1/2 x 3/8 x CONT LEDGER
 5. DECK ATTACH TO SUPPORTS PER GSN
- NOTES:**
- A. AT SIM, DECK IS ORIENTED PERPENDICULAR TO THAT SHOWN. PROVIDE (1) EMBED PLATE PER KEYNOTE 2 BETWEEN EACH JOIST OR AT 4'-0" O.C. LEDGER BEARING SPAN SHALL NOT EXCEED 4'-0"



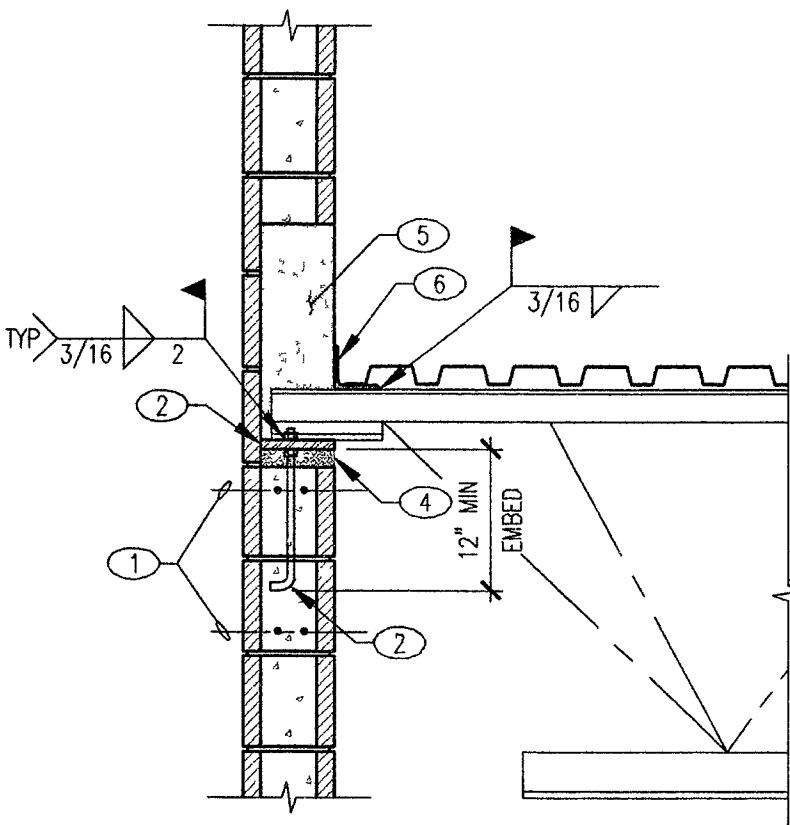
15 HSS AT COLUMN
NO SCALE

- KEYNOTES:**
1. TRELLIS SUPPORT COLUMN PER PLAN
 2. 3/16" END PLATE
 3. HSS PER PLAN
 4. PROVIDE (1) AUTOMATIC WELDED 3/4"Ø THREADED STUDS ON HSS
 5. 1/2"x4 1/2"x0'-7 1/2" LONG CAP PLATE W/ OVERSIZED HOLE.
- NOTES:**
- A. ADJOINING ANGLES AS OCCURS NOT SHOWN FOR CLARITY
- B. HAND TIGHTEN NUT AND SPOIL THREADS TO PREVENT BACK-OFF



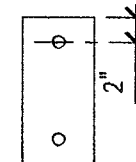
11 W8x15 TRELLIS MEMBER AT HSS RIDGE
NO SCALE

- KEYNOTES:**
1. HSS PER PLAN
 2. W8x15 TRELLIS MEMBER
 3. 1/4" THICK TAB W/ (2) 1/2" DIA THROUGH BOLTS STANDARD SIZE HOLES
 4. WELD TAB AS OCCURS AT TENSION BRACING PER TRELLIS FRAMING PLAN NOTE



7 STEEL JOIST AT MASONRY WALL
NO SCALE

- KEYNOTES:**
1. CONT HORIZ REINFORCING AT ROOF LINE PER GSN
 2. 3/4"x6"x1'-0" LONG BEARING PLATE
 3. (2) 3/4"Ø ANCHOR BOLTS AT 8" O.C. (DOUBLE NUTS FOR LEVELING)
 4. 1 1/2" NON-SHRINK GROUT
 5. GROUT POCKET SOLID AFTER PLACING STEEL JOIST
 6. CONT LEDGER PER PLAN
- NOTES:**
- A. PROVIDE CMU POCKET IN WALL W/ SLOT AT PARAPET AS REQ'D FOR JOIST PLACEMENT AS AN ALTERNATE, PROVIDE HOLE IN CMU WALL BY REMOVING BACK OF SHELLS



REVISIONS

NO.	DESCRIPTION	DATE

CONSULTANT

STRUCTURAL SOLUTIONS ENGINEERING

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**CITY OF LAS VEGAS, NV
FIRE STATION #8**

ROOF FRAMING DETAILS

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DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES**

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STAMP

APR 09 2004

DESIGNER: JDB

FILE: LV0319

DATE: 4/9/04

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

SHEET NO: S4.1