

- NOTES:
1. ALL WORK AND MATERIALS SHALL CONFORM TO SECTION 525.
  2. PRIOR TO GALVANIZING, ALL EXPOSED CUT OR SPLICED EDGES SHALL BE ROUNDED TO A 1/16" RADIUS AND BE FREE OF BURRS.
  3. ALL POSTS SHALL BE SET NORMAL TO GRADE.
  4. SECTIONS OF RAILING SHALL BE ATTACHED TO A MINIMUM OF TWO (2) RAIL POSTS AND, PREFERABLY, TO AT LEAST FOUR (4) POSTS.
  5. RAIL TUBE EXPANSION JOINT SHALL BE PROVIDED IN ANY RAIL BAY SPANNING THE END OF AN INTEGRAL ABUTMENT BRIDGE AND, AT ALL SUPERSTRUCTURE EXPANSION JOINTS, EXPANSION JOINT WIDTH SHALL BE 4" AT 45° AND WILL BE ADJUSTED IN THE FIELD BY THE ENGINEER FOR OTHER TEMPERATURES.
  6. HOLES IN RAILS FOR RAIL TUBE ATTACHMENT SHALL BE FIELD-DRILLED. HOLES SHALL BE COATED WITH AN APPROVED ZINC RICH PAINT DURING INSTALLATION.
  7. RAIL POST ANCHORING NUTS SHALL BE TIGHTENED TO A SNUG FIT AND GIVEN AN ADDITIONAL ONE-EIGHTH TURN.
  8. RAIL TUBES SHALL BE ATTACHED USING 3/4" FULL DIAMETER BODY ASTM A449 ROUND HEAD BOLTS INSERTED THROUGH THE FACE OF THE TUBE. HOLES IN POSTS SHALL BE 1/16" LARGER THAN THE BOLT SIZE.
  9. ANY BENDING OR CURVING OF RAIL SHALL BE DONE IN A FABRICATION PLAN IN ACCORDANCE WITH SUBMITTED PROCEDURES.
  10. THE MINIMUM DISTANCE FROM A POST TO AN EXPANSION JOINT SHALL BE SUCH TO MAINTAIN MINIMUM EDGE DISTANCE OF 5" FROM ANY ANCHOR STUD TO THE END OF THE SLAB, OR TO THE EXPANSION JOINT RECESS POUR, IF ONE IS USED.

11. A DELINEATOR (SEE VDOT STANDARD DRAWING G 1 FOR DETAILS) SHALL BE INSTALLED AT NEAREST POST TO 30 FT SPACING, WHILE IS TO BE INSTALLED ON THE DRIVER'S RIGHT. FOR ONE WAY BRIDGES, YELLOW IS TO BE INSTALLED ON THE DRIVER'S LEFT. PAYMENT SHALL BE INCIDENTAL TO OTHER PLANS.
12. THIS RAILING MEETS THE REQUIREMENTS FOR A TL-4 SERVICE LEVEL.

MATERIALS:

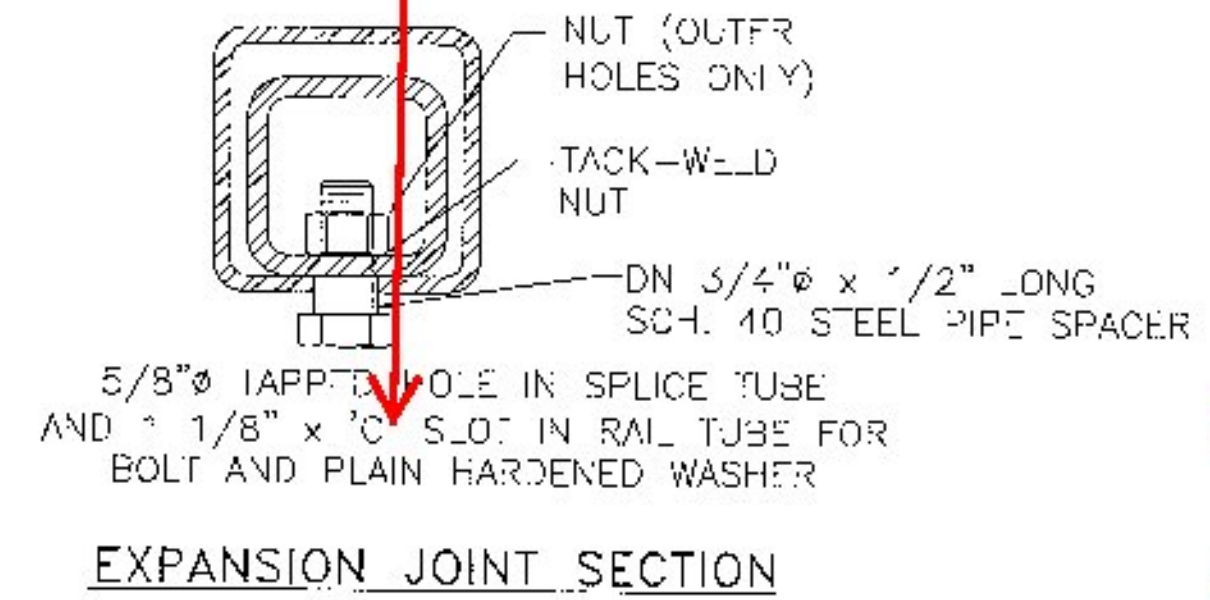
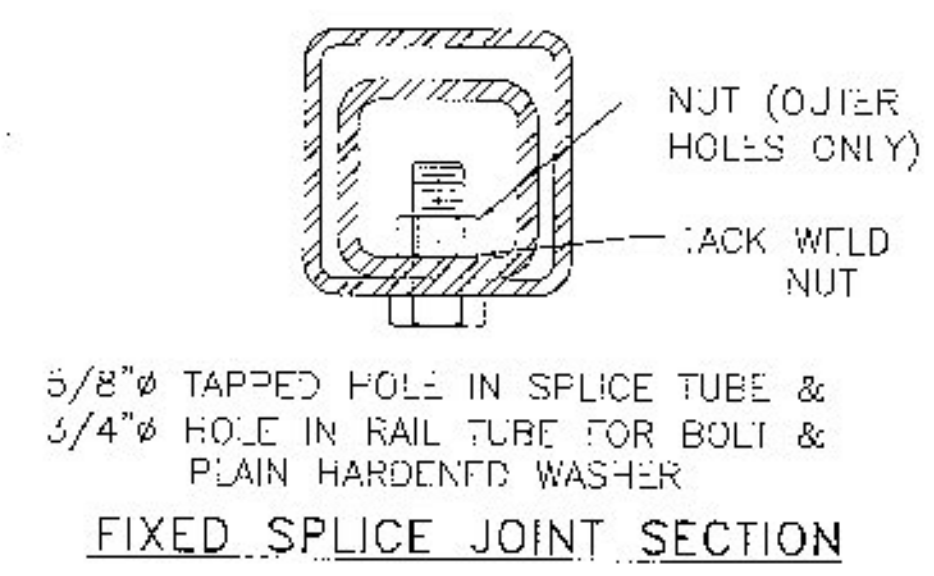
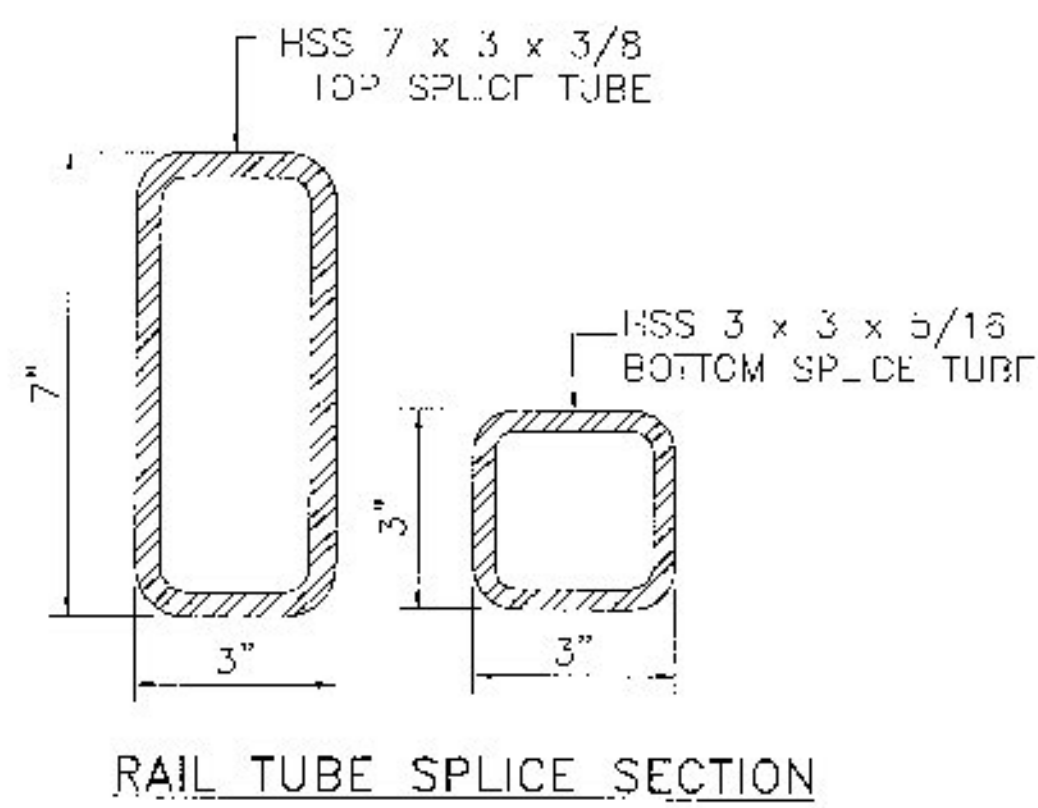
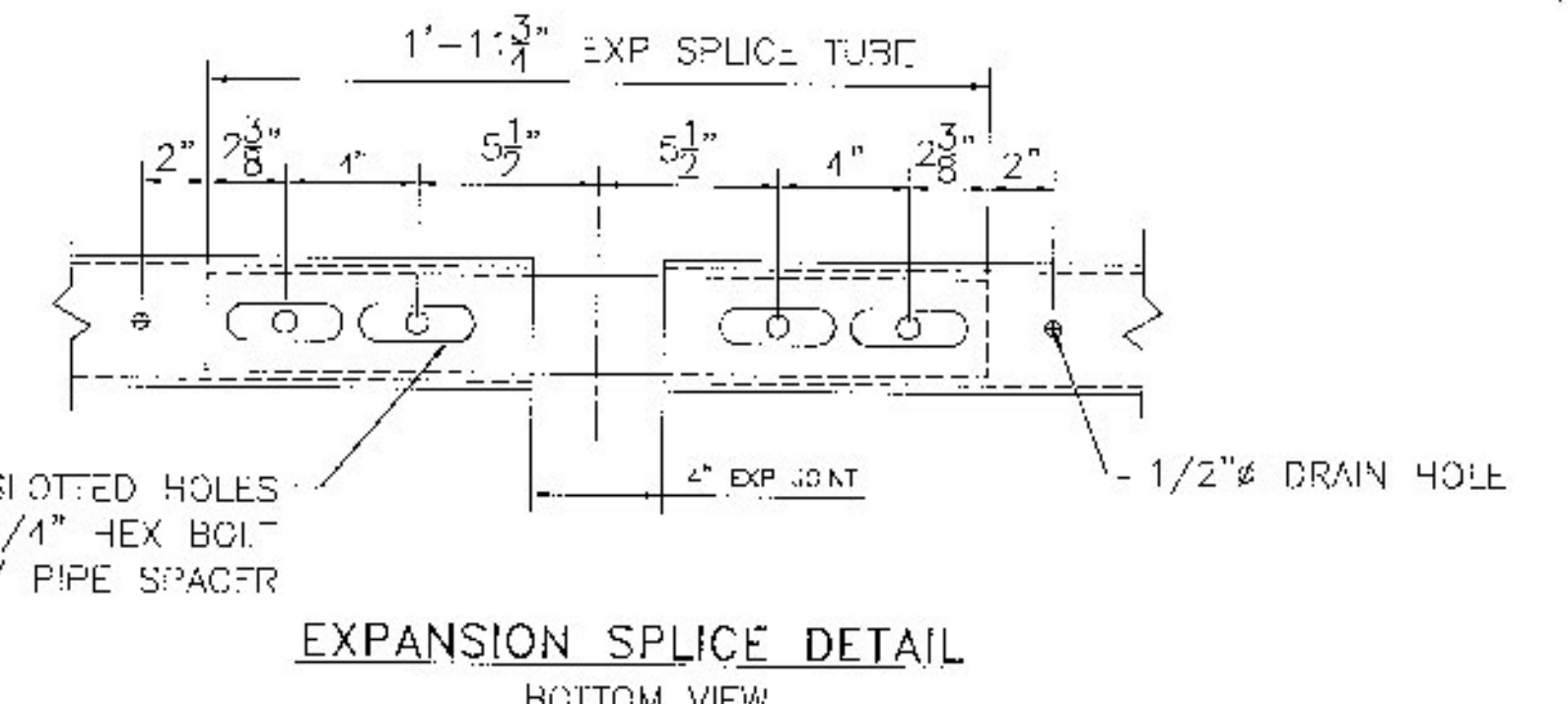
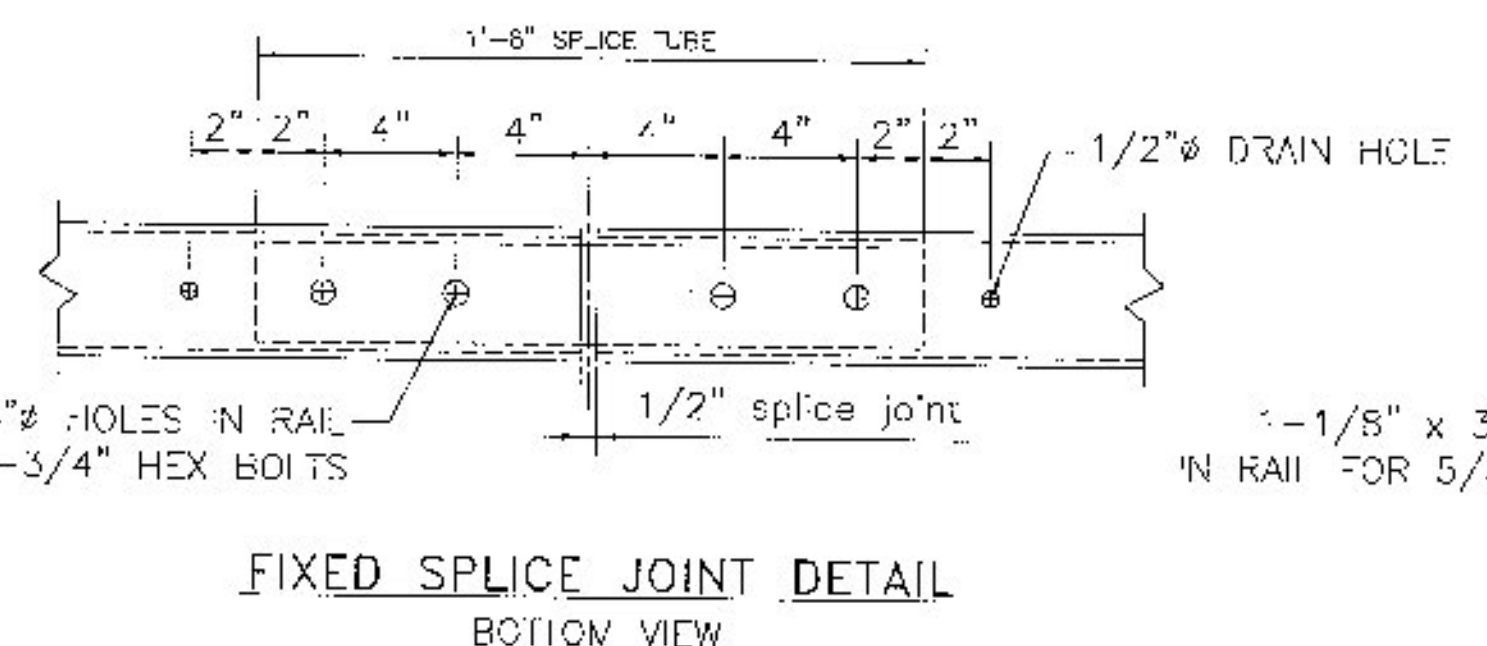
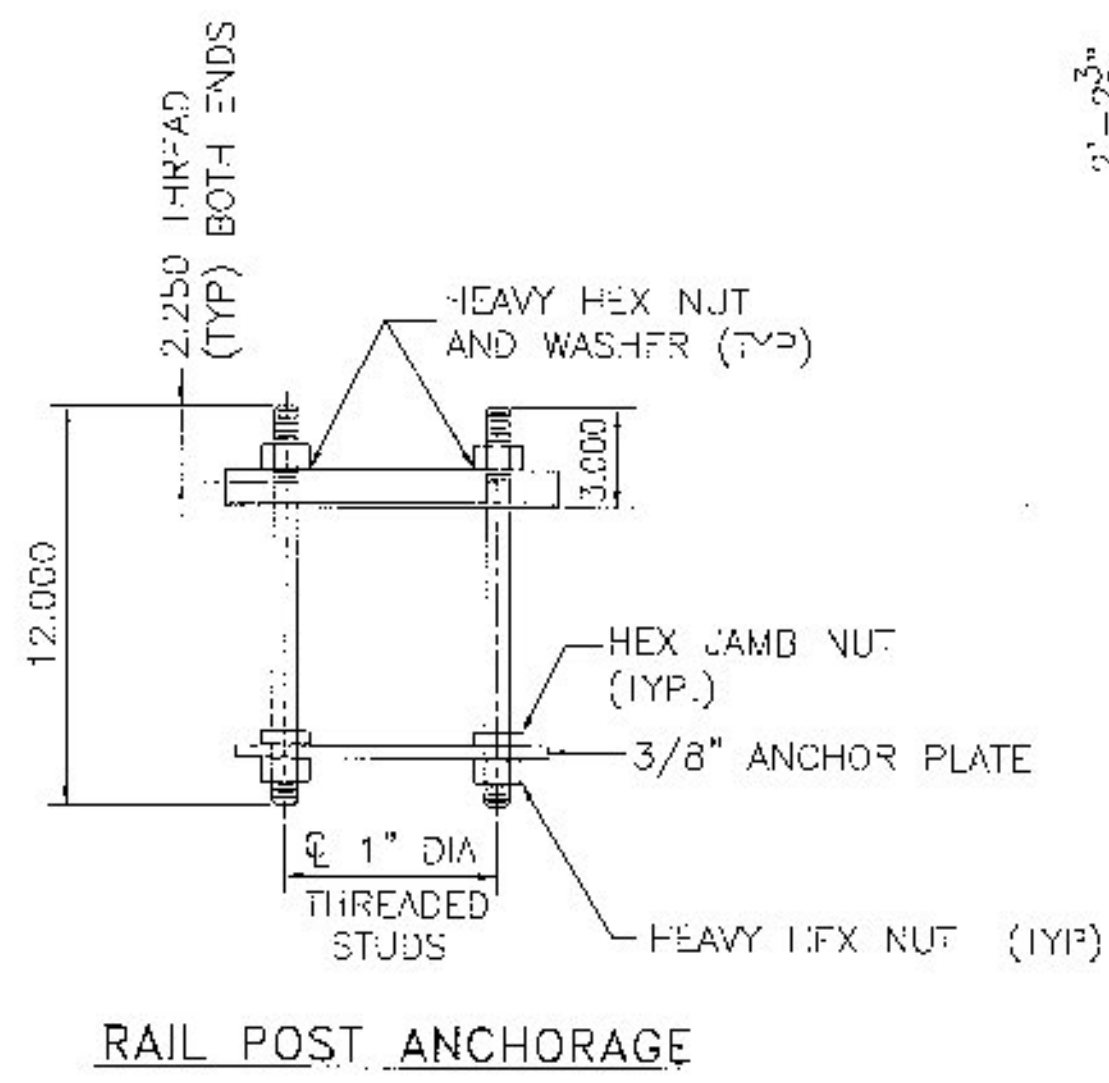
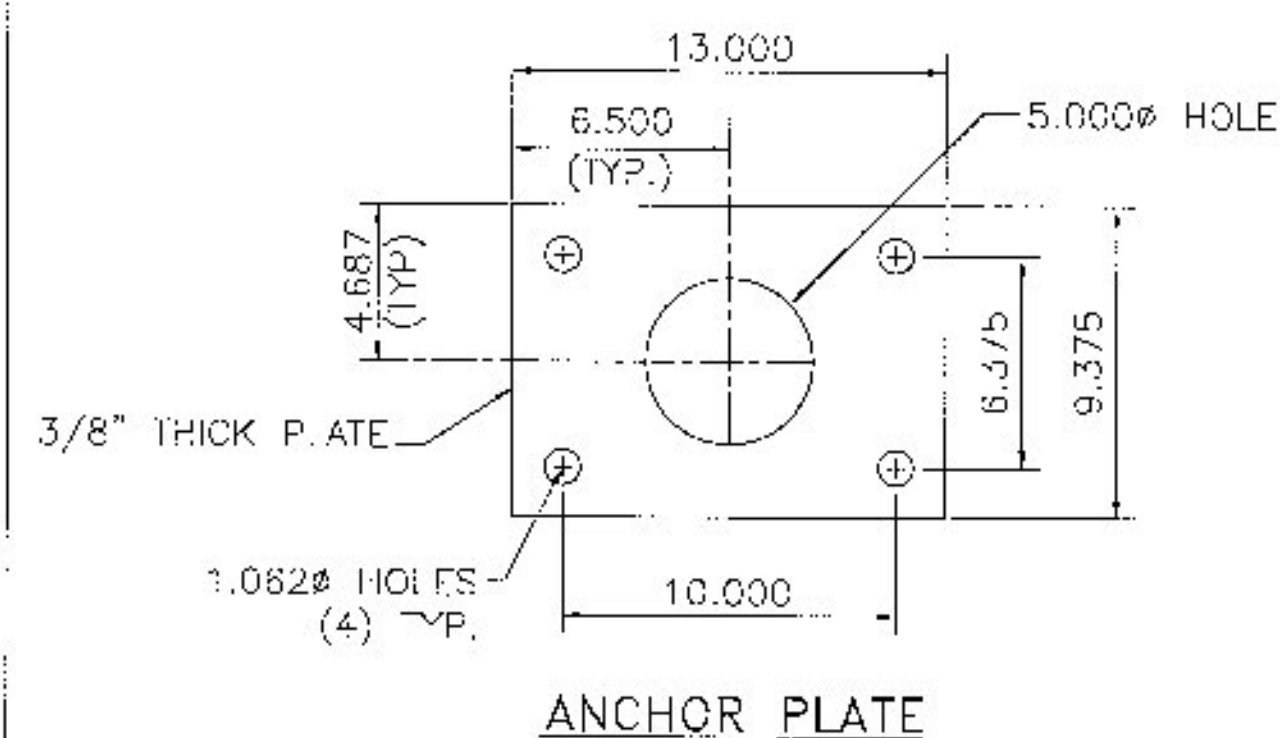
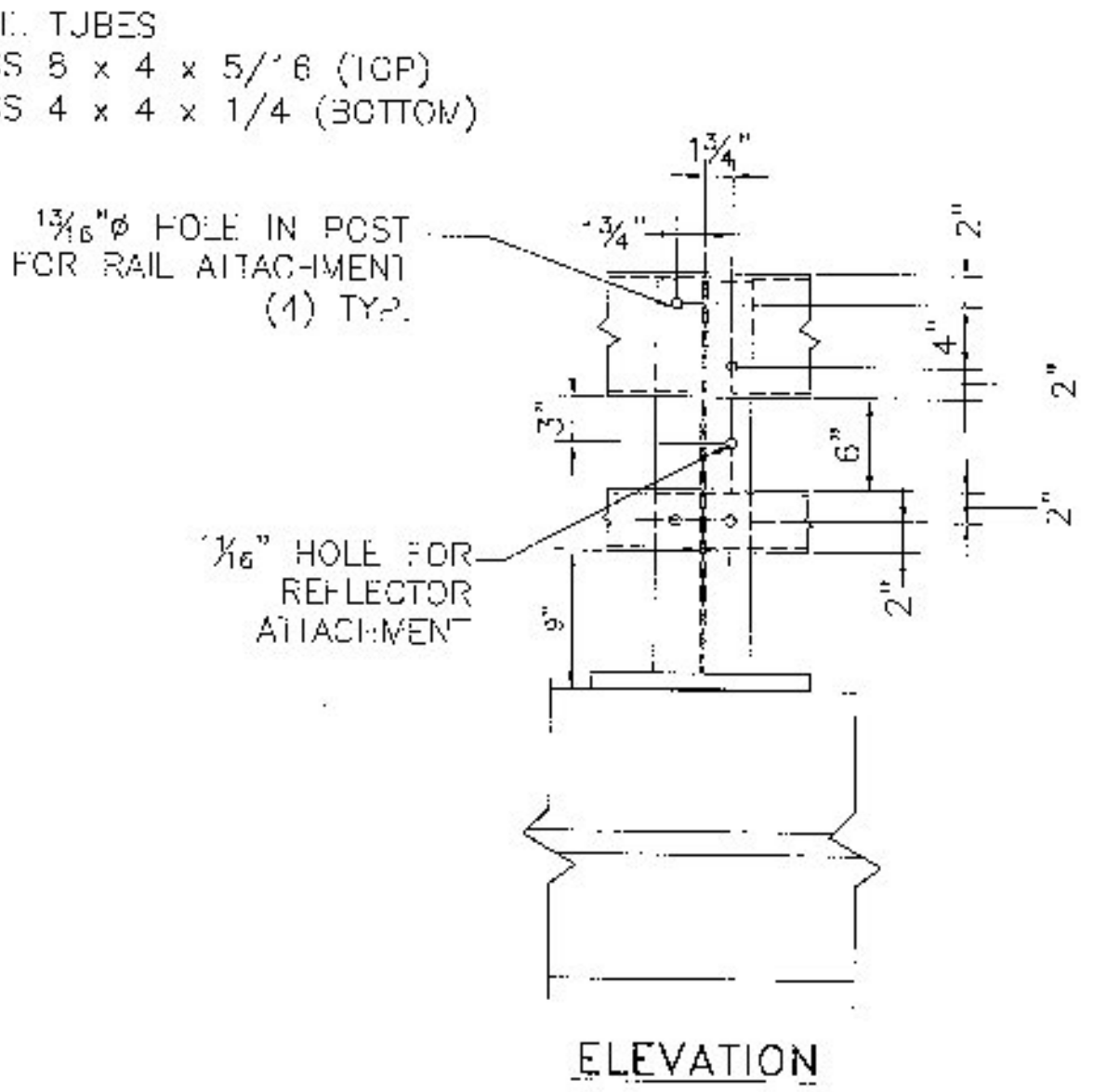
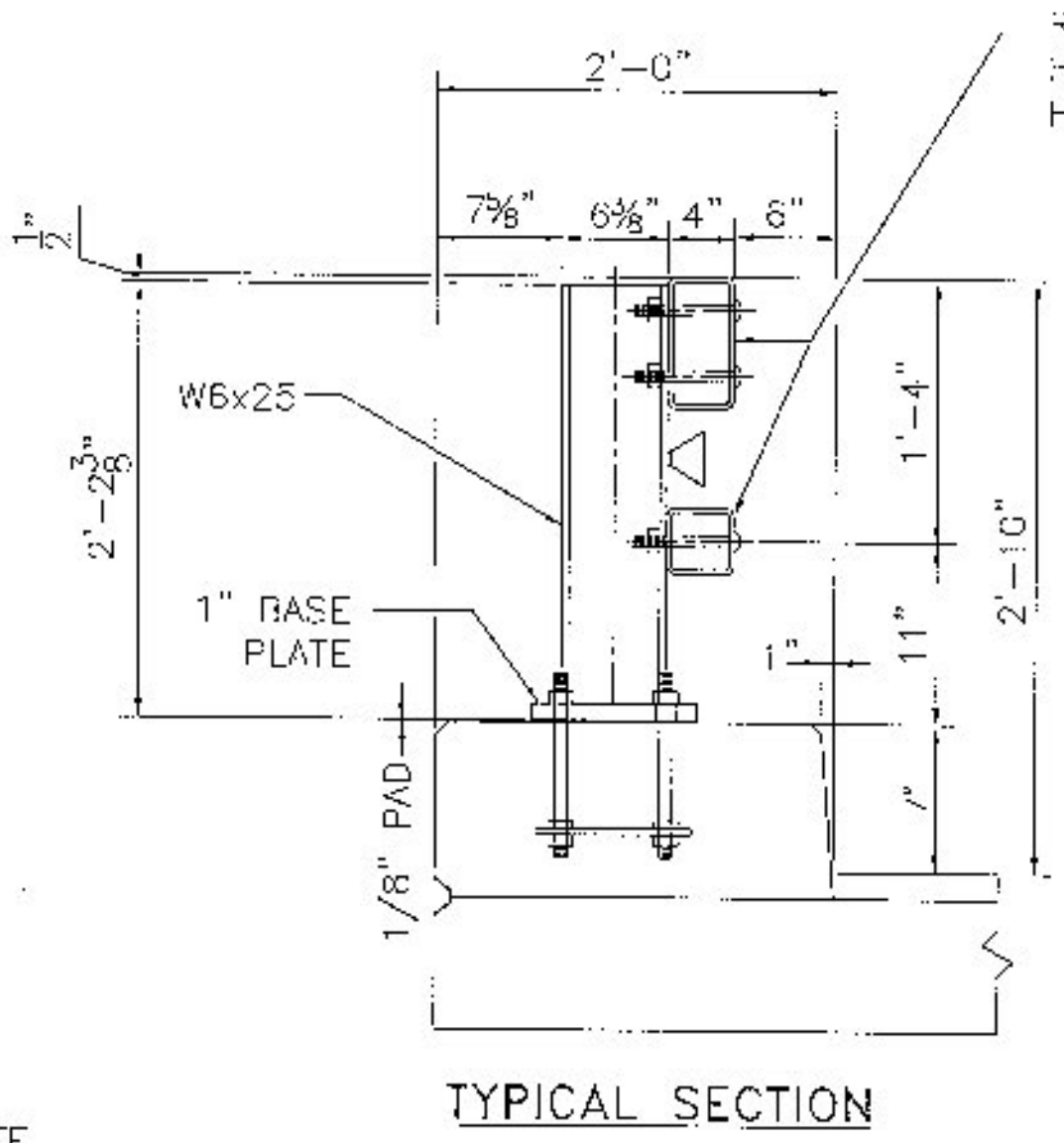
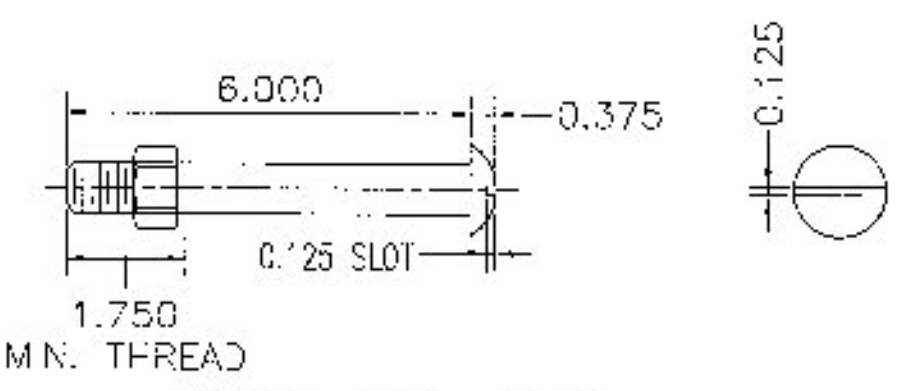
RAIL TUBES.....ASTM A500 GRADE B OR ASTM A501  
 RAIL POSTS AND BASE PLATES.....ASTM A36/A709M, GRADE 50  
 ALL OTHER SHAPES AND PLATES.....ASTM A709/A709M, GRADE 36  
 ANCHOR STUDS.....ASTM A449  
 ALL OTHER BOLTS (UNLESS NOTED).....AASHTO M164, TYPE 1

NUTS FOR AASHTO M164 BOLTS AND FOR ANCHOR STUDS SHALL COMPLY WITH AASHTO M291 (ASTM A563).

WASHERS SHALL COMPLY WITH AASHTO M293 (ASTM F436) SPECIFICATIONS.

1/8" PAD SHALL COMPLY WITH STANDARD SPECIFICATION SUBSECTION 731.01 OR 731.02.

RAIL POSTS AND BASE PLATES SHALL BE TESTED FOR IMPACT PROPERTIES IN ACCORDANCE WITH ASTM A370 CHARPY IMPACT TESTING USING TYPE A SPECIMEN.



where is "C" specified? should be 3 1/2"

Vermont Agency of Transportation  
**RECEIVED**  
 CK'D BY MEM OK'D BY CWC  
 Apr. 16, 2015  
 RESUBMIT APPROVED AS NOTED ✓  
 BY C. Carlson DATE 05-06-2015

**HIGHWAY SAFETY CORP**  
 GLASTONBURY, CT  
 860-633-9445

ITEM 525.33 2-RAIL BRIDGERAIL GALVANIZED  
 BRIDGE REHABILITATION  
 RT. 116 OVER LITTLE NOTCH CREEK  
 R.I.N. #6 P.I.N. BR 021-1 (29)  
 TOWN OF BRISTOL, ADDISON COUNTY

**CERTIFIED FABRICATOR**

GEN. CONTRACTOR: 2040  
 SHEET NO.: 2 of 4  
 SUB CONTRACTOR: LAFAYETTE  
 DRAWN: MKT CHECKED: DATE: 04-15-15 SCALE: NONE SIZE: D