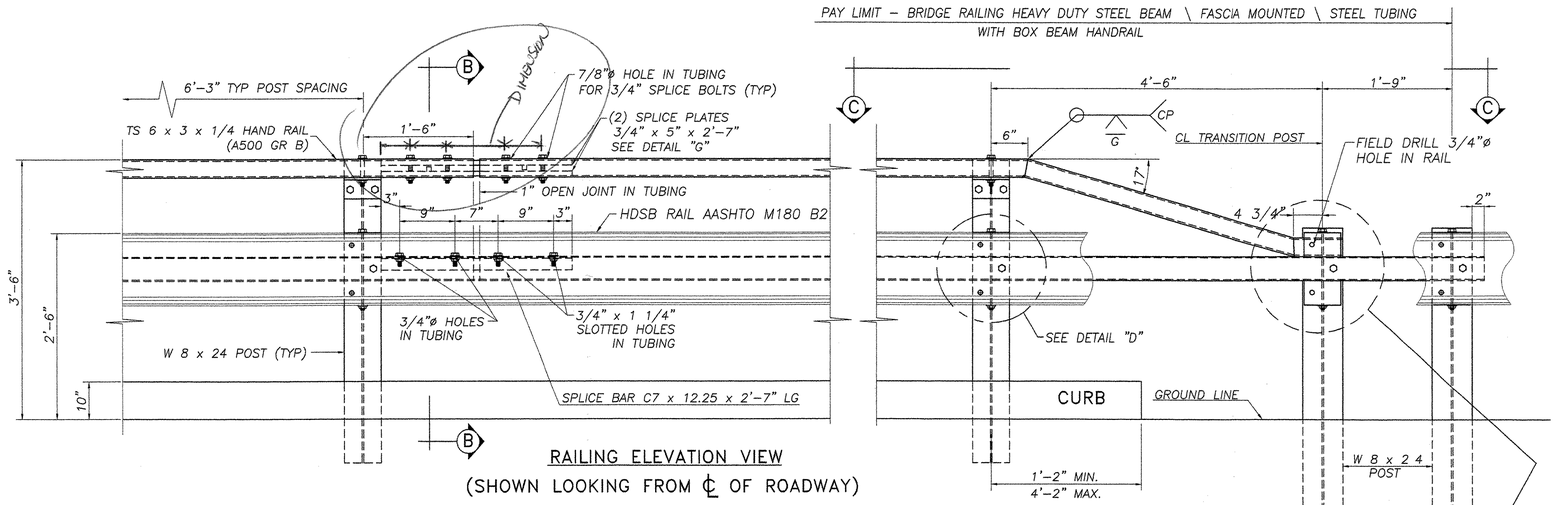
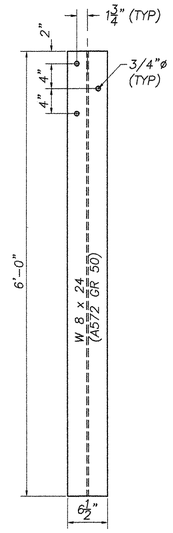


RAILING ELEVATION VIEW

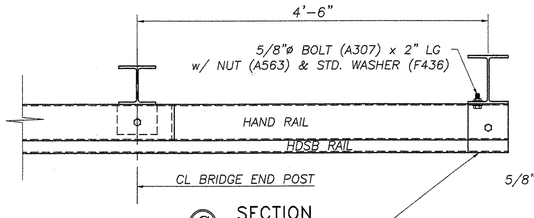
(SHOWN LOOKING FROM ℄ OF ROADWAY)

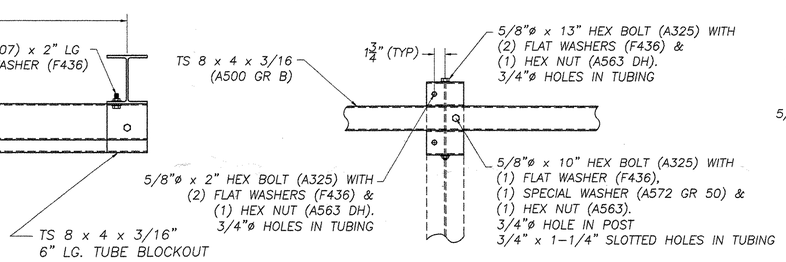


DETAIL "H"
TRANSITION POST
W8x24 (A572 GR 50)

GENERAL ERECTION NOTES

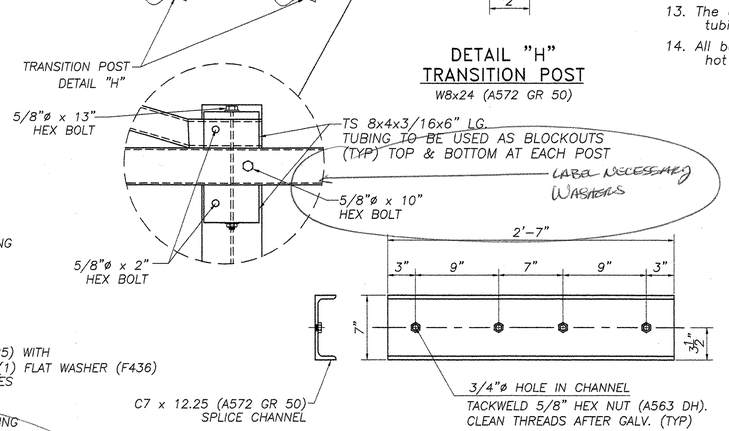
1. Heavy duty steel beam guard rail shall conform to VT. specification 732. AASHTO M180 B2
2. Structural steel tubing shall conform to VT. specification 732. ASTM A500 gr B
3. Anchor bolts, nuts and washers shall be galvanized in accordance with AASHTO M 232 and shall conform to VT. specification 714 unless otherwise noted.
4. Bridge rail posts, special washers, splice bars and plate washers shall conform to AASHTO M 223 / M 223M and shall be galvanized after fabrication in accordance with AASHTO M 111. Prior to galvanizing all corners and edges of steel plates, shapes, etc., shall be ground to a 1/16" radius.
5. See standard drawing G–1 and G–1d for additional details concerning guard rail.
6. See standard drawing SB–R6–82 for approach rail details and for information relative to schedule I and schedule II. All approach rail shall be heavy duty steel beam guard rail. Also see Std. Dwg. SB–R6–82 for handrail details (except end details) if hand rail is required.
7. All posts shall be set normal to grade.
8. Splices for the steel beam guard rail shall lap in the direction of traffic.
9. See Standard drawing G–1 for details of delineators. A delineator shall be located at every fifth post. Payment shall be subsidiary to other items.
10. A railing joint splice shall be provided at each superstructure expansion joint.
11. All field cut or drilled areas shall be coated with zinc rich paint.
12. For radii less than 950 feet, the steel tubing shall be shop bent to fit the applicable curve.
13. The drop–weight tear test in section 732 shall not apply to the structural tubing on this standard.
14. All bolts and related hardware shall conform to AASHTO M164 type 1 bolts, hot dipped or mechanically galvanized per specification.

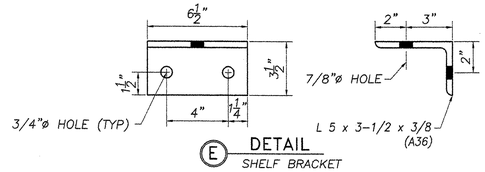




DETAIL "D"

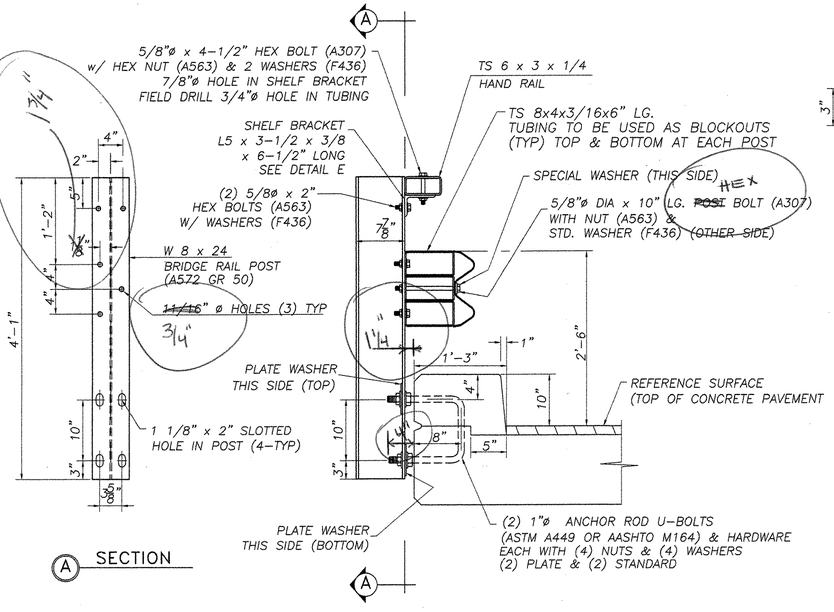
STEEL BEAM GUARD RAIL NOT SHOWN





E DETAIL

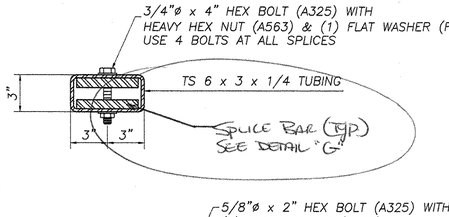
SHELF BRACKET

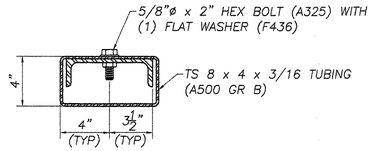


A SECTION

FASCIA MOUNTED POST WITH CURB

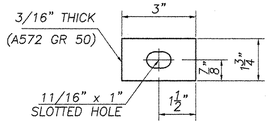
W 8 x 24 (A572 GR 50)





B PARTIAL SECTION

SHOWING HAND RAIL TUBE, BRIDGE RAIL TUBE & SPLICE BARS



SPECIAL WASHER DETAIL

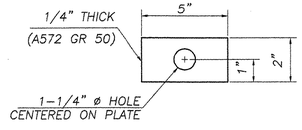
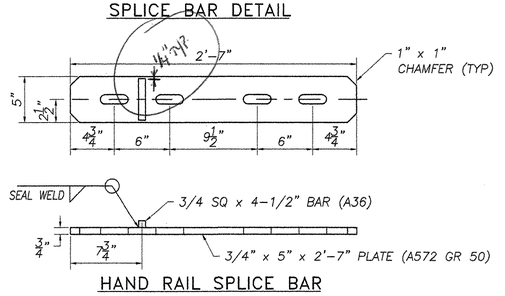


PLATE WASHER DETAIL

SPLICE BAR DETAIL



HAND RAIL SPLICE BAR

DETAIL "G"

REVISIONS		
No.	Remarks	Date
0	Initial submittal	5/28/04

ACCEPTED
ACCEPTED AS CORRECTED
REJECTED, REVISE AND RESUBMIT
REJECTED, UNACCEPTABLE
Checking is only for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. The Contractor assumes all liability for errors or omissions on his part. Construction means, methods, techniques, sequences or procedures and safety precautions and programs are the Contractor's sole responsibility.
Date 6/15/04 By RDA

HIGHWAY SAFETY CORP.
GLASTONBURY, CT

ITEM 525.43 STEEL BRIDGE RAIL – HDSB W/HANDRAIL
BRIDGE NO. 11 HIGHWAY NO. TH 5
TOWN OF CHESTER, WINDSOR COUNTY
CHURCH STREET OVER WILLIAMS RIVER
PROJECT NO. TH 3-9637
GENERAL CONTRACTOR (BRO 1442(32))
SUB CONTRACTOR F.R. LAFAYETTE, INC.

DRAWN MHM
CHECKED
DATE 5/15/04
SCALE N.T.S
HSC REFERENCE NO. 1445
SIZE D REVISION 0
SHEET NO. 2 of 2