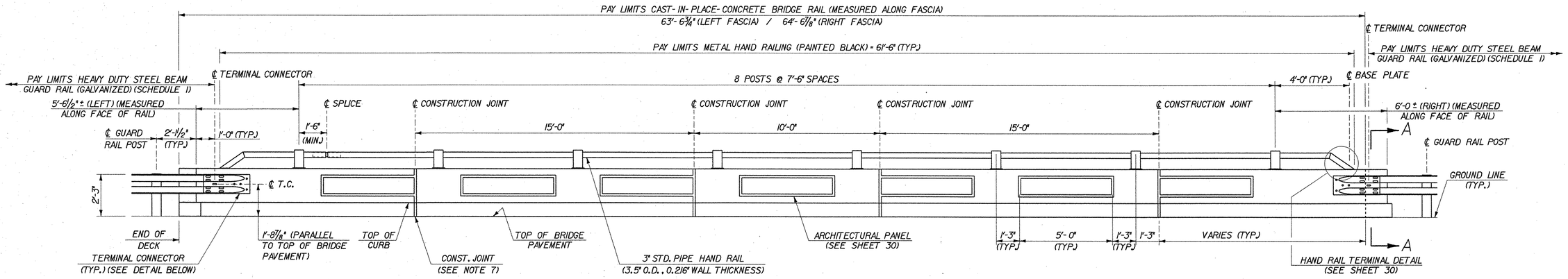
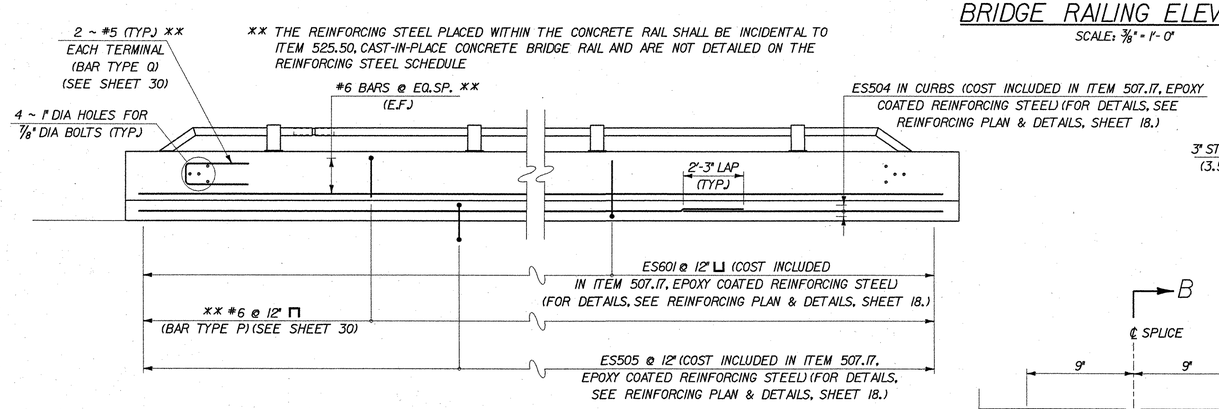


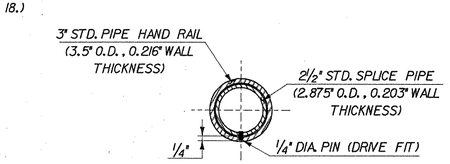
BRIDGE RAILING ELEVATION

SCALE: 3/8" = 1'-0"



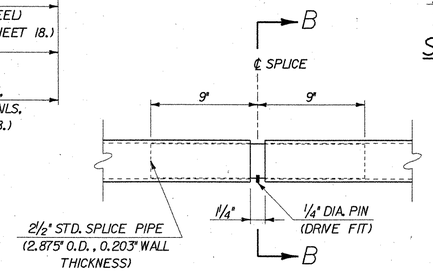
TYPICAL REINFORCEMENT LAYOUT

SCALE: 3/8" = 1'-0"



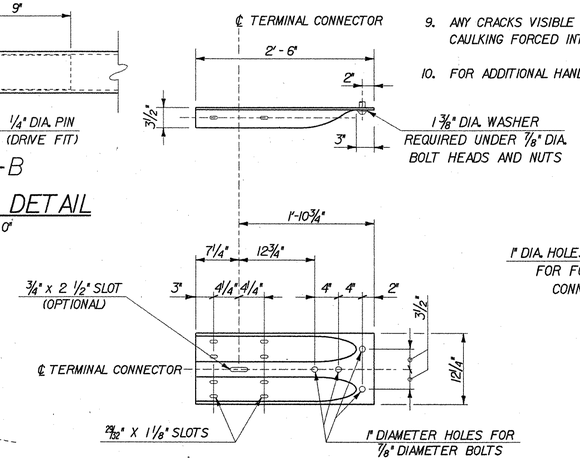
SECTION B-B

SCALE: 3" = 1'-0"



SPLICE PIPE DETAIL

SCALE: 2" = 1'-0"



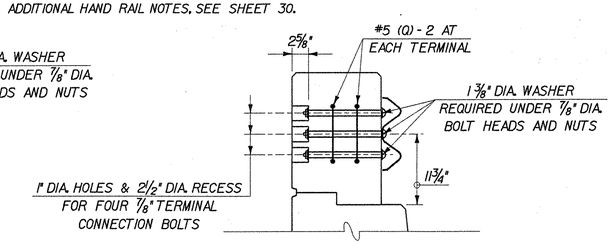
TERMINAL CONNECTOR

SCALE: 1" = 1'-0

TERMINAL CONNECTOR SHALL RECEIVE THE SAME PROTECTIVE COATING AS THE ATTACHED METAL BEAM GUARD RAIL. ALL COSTS FOR TERMINAL CONNECTOR SHALL BE INCLUDED IN CONTRACT ITEM 621.53.

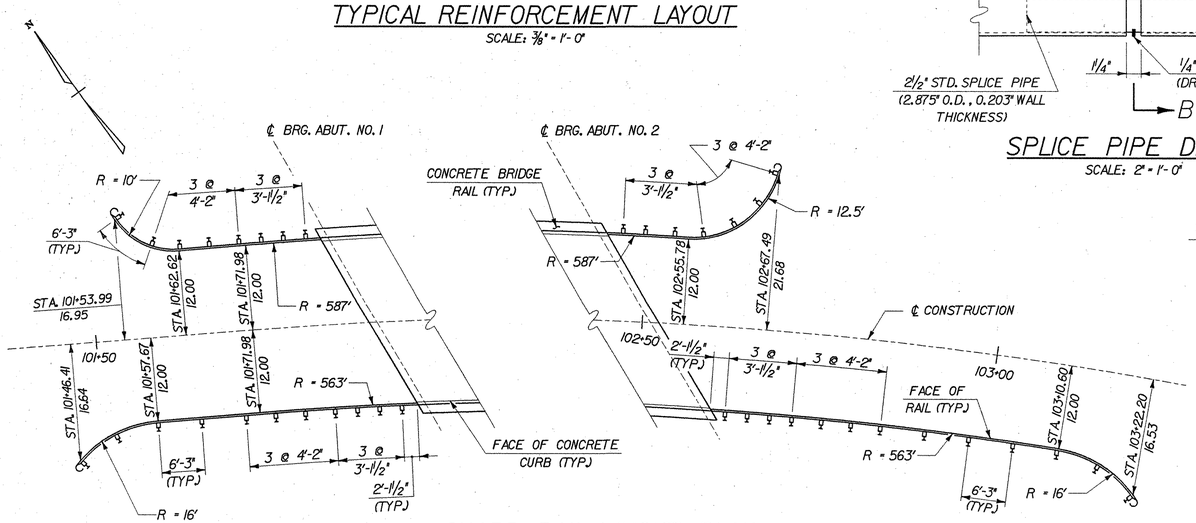
C.I.P. CONCRETE RAIL NOTES:

1. ALL PARTS OF THE RAILING INCLUDING REINFORCING, BOLTS, NUTS AND WASHERS ARE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF ITEM 525.50, "CAST-IN-PLACE CONCRETE BRIDGE RAIL", UNLESS OTHERWISE NOTED.
2. ALL CONCRETE FOR THE CAST-IN-PLACE CONCRETE BRIDGE RAIL SHALL BE CONCRETE H.P.C. CLASS AA.
3. DIMENSIONS RELATING TO REINFORCING STEEL ARE TO CENTER OF BARS, UNLESS SPECIFIED OTHERWISE.
4. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
5. HOLES AND RECESSES MUST BE FORMED OR CORED, PERCUSSION DRILLING IS NOT PERMITTED.
6. 1 3/8" DIAMETER WASHERS ARE REQUIRED UNDER 7/8" DIAMETER BOLT HEADS AND NUTS.
7. FOR DETAILS OF CONSTRUCTION JOINT IN CURB AND BRIDGE RAILING, SEE SHEET 19.
8. AT EXPANSION END OF BRIDGE, TERMINAL CONNECTOR BOLTS SHALL HAVE 1/8" GAP TO ALLOW FOR BRIDGE EXPANSION AND CONTRACTION.
9. ANY CRACKS VISIBLE WITHIN THE ARCHITECTURAL PANELS SHALL BE SEALED WITH AN ACCEPTABLE CAULKING FORCED INTO THE CRACK BUT NOT ALLOWED TO PROJECT INTO THE V-GROVE
10. FOR ADDITIONAL HAND RAIL NOTES, SEE SHEET 30.



SECTION A-A

SCALE: 1" = 1'-0"



GUARD RAIL LAYOUT PLAN

SCALE 1" = 10'-0

10 0 10

ALL DIMENSIONS PROVIDED AT FACE OF RAIL

McFarland-Johnson, Inc.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of WARREN	Bridge No. 7
Highway No. TH 1	Log Sta. / Surv. Sta.
BROOK ROAD OVER FREEMAN BROOK	
RAILING DETAILS (1 OF 2)	
Designed By B. COLBURN / S. DELIA	Drawn By B. COLBURN / P. DUSTIN
Checked By R. JOY Date 02/07	Bridge Design Supervisor R. ROONEY Date 02/07
PROJECT WARREN	PROJECT NO. BHF 0188(7)
I.G.C. Info. m:\549\07-Warren\BRIDGE\Final\zJ276rl1.dgn	
Bridge Sheet No.	Sheet 29 of 36

PLOTTED 19-FEB-2007