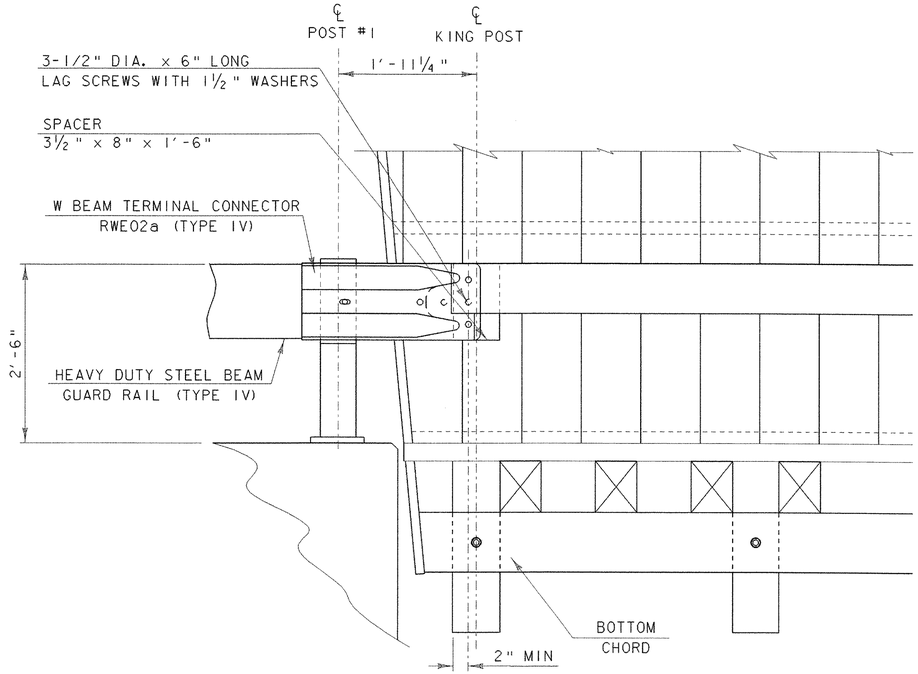
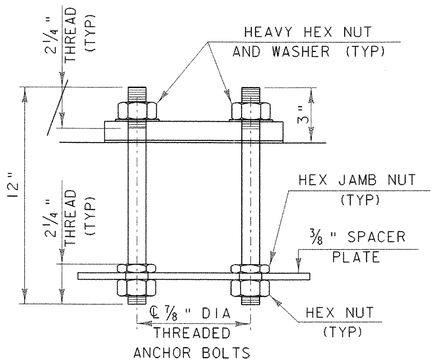


RAILING CONNECTION DETAIL ELEVATION VIEW (TYP)

SCALE 1" = 1'-0

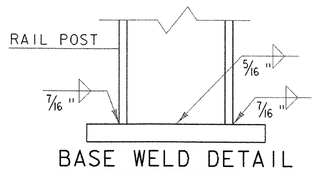


RAIL POST ANCHORAGE

NTS

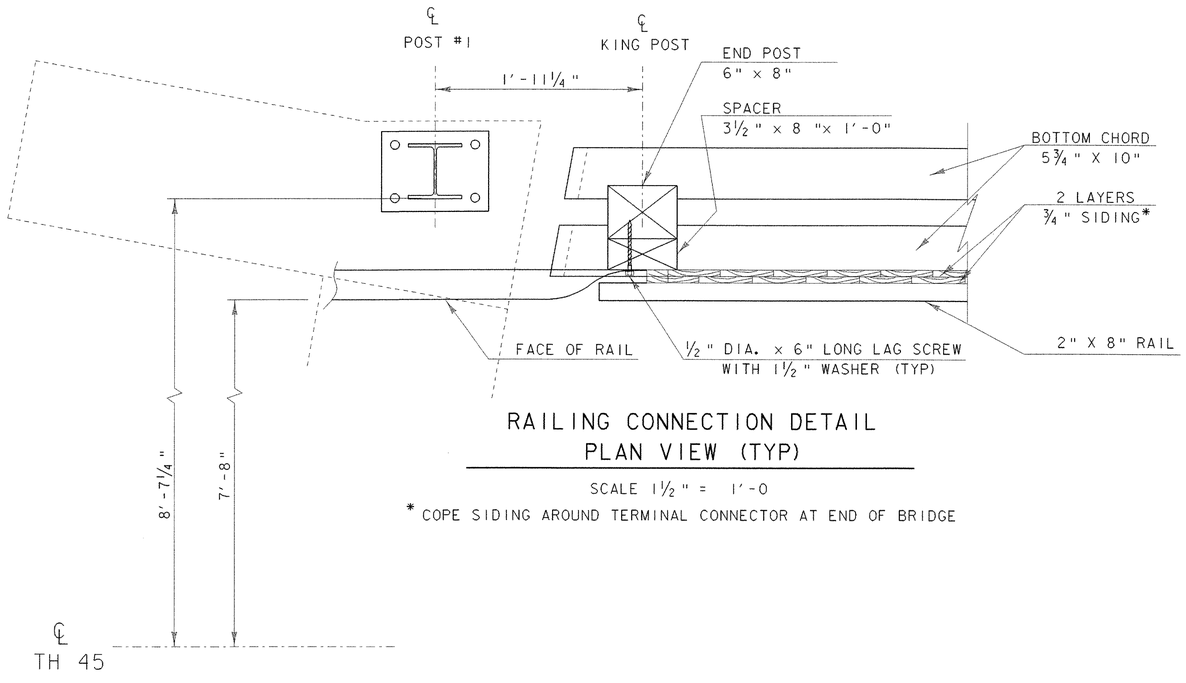
RAILING NOTES

1. POSTS #1, #2, AND BASE PLATES SHALL BE ASTM A 588, STEEL GRADE 50W (WEATHERING STEEL). BOLTS SHALL BE AASHTO M164 TYPE 3.
2. THE FABRICATOR SHALL SUBMIT SHOP DRAWINGS, INCLUDING WELDING PROCEDURES, TO THE STRUCTURES SECTION FOR APPROVAL IN ACCORDANCE WITH THE PROVISIONS OF SECTION 506.04-SHOP DRAWINGS. ALL WELDING SHALL CONFORM WITH SECTION 506.10.
3. ALL POSTS SHALL BE SET NORMAL TO GRADE. NUTS PLACED IN CONCRETE ARE TO BE ROTATED WITHIN 24 HOURS AFTER CONCRETE IS PLACED TO BREAK BOND BETWEEN NUT AND CONCRETE. NUTS SHALL THEN BE USED TO ALIGN THE POSTS BOTH HORIZONTALLY AND VERTICALLY. AFTER FINAL POSITION HAS BEEN APPROVED ALL VOIDS BETWEEN THE BASE PLATE AND CONCRETE SURFACE SHALL BE GROUTED WITH NON-SHRINK GROUT CONFORMING WITH SECTION 707.03, MORTAR, TYPE IV.
4. OFFSET BLOCK SHALL BE WOOD 6"x8"x1'-2". SEE STANDARD G-1.
5. TRANSITION RAILING FROM 2'-6 " TO 2'-3" WITHIN 25 FEET.
6. PAYMENT FOR POST #1, POST #2, ANCHOR BOLT ASSEMBLIES, AND THE TERMINAL CONNECTOR SHALL BE INCLUDED IN THE PER FOOT UNIT BID PRICE FOR 621.21 "HEAVY DUTY STEEL BEAM GUARD RAIL"



BASE WELD DETAIL

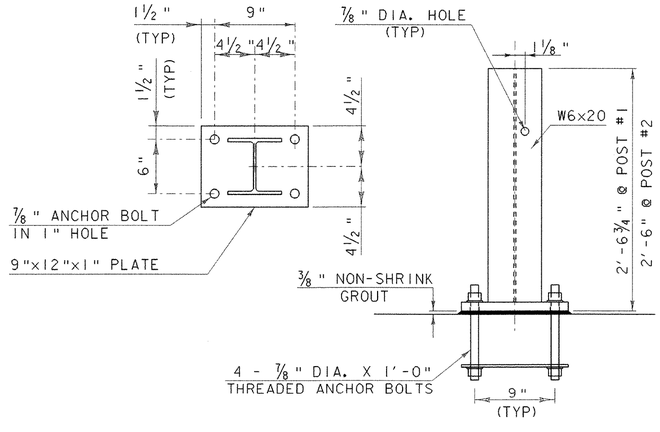
NTS



RAILING CONNECTION DETAIL PLAN VIEW (TYP)

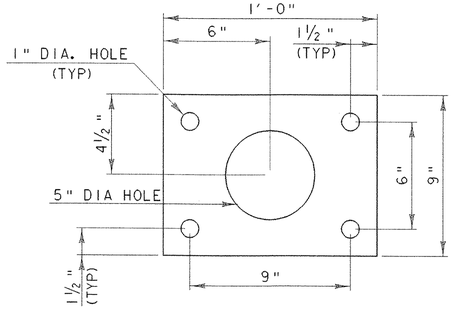
SCALE 1½" = 1'-0

* COPE SIDING AROUND TERMINAL CONNECTOR AT END OF BRIDGE



POST #1 AND #2 DETAILS

SCALE 1½" = 1'-0



SPACER PLATE

SCALE 1" = 1'-0

SCALE 1½" = 1'-0

PROJECT: TUNBRIDGE	PROJECT NO.: BHO 1444 (42)
DESIGN FILE NAME: 03j032\structures\s03j032rail.dgn	
IPARM FILE NAME: s03j032rail.i	PLOT DATE: 25-AUG-2005
DESIGNED BY: R.S. YOUNG	DRAWN BY: E.L. RUSTAY
SQUAD LEADER: C.P. WILLIAMS	CHECKED BY: R.S. YOUNG
RAILING DETAIL SHEET	SHEET: 23 OF 40