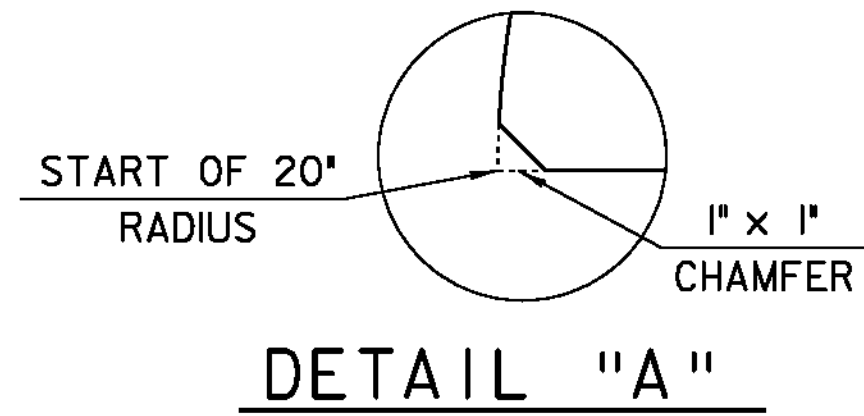
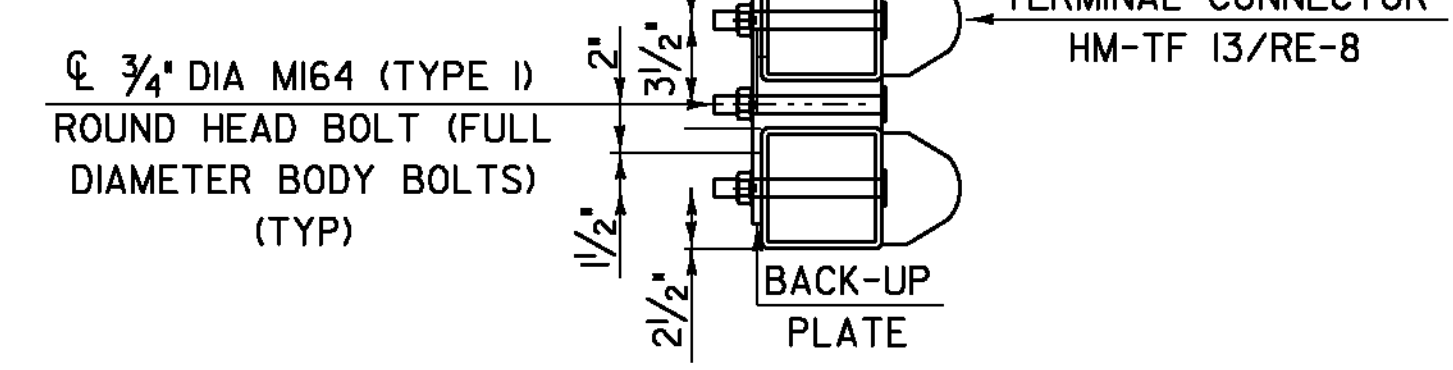
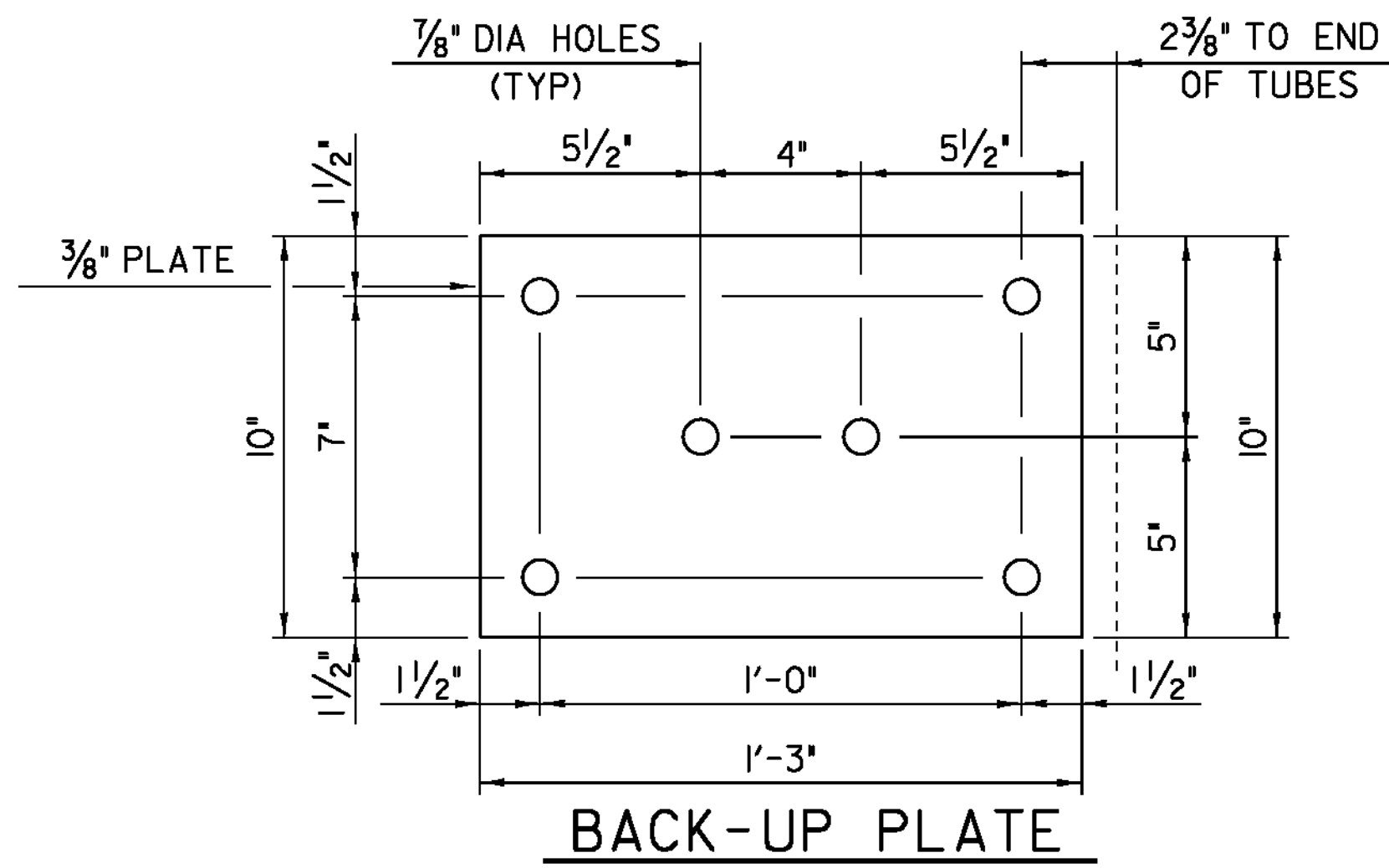
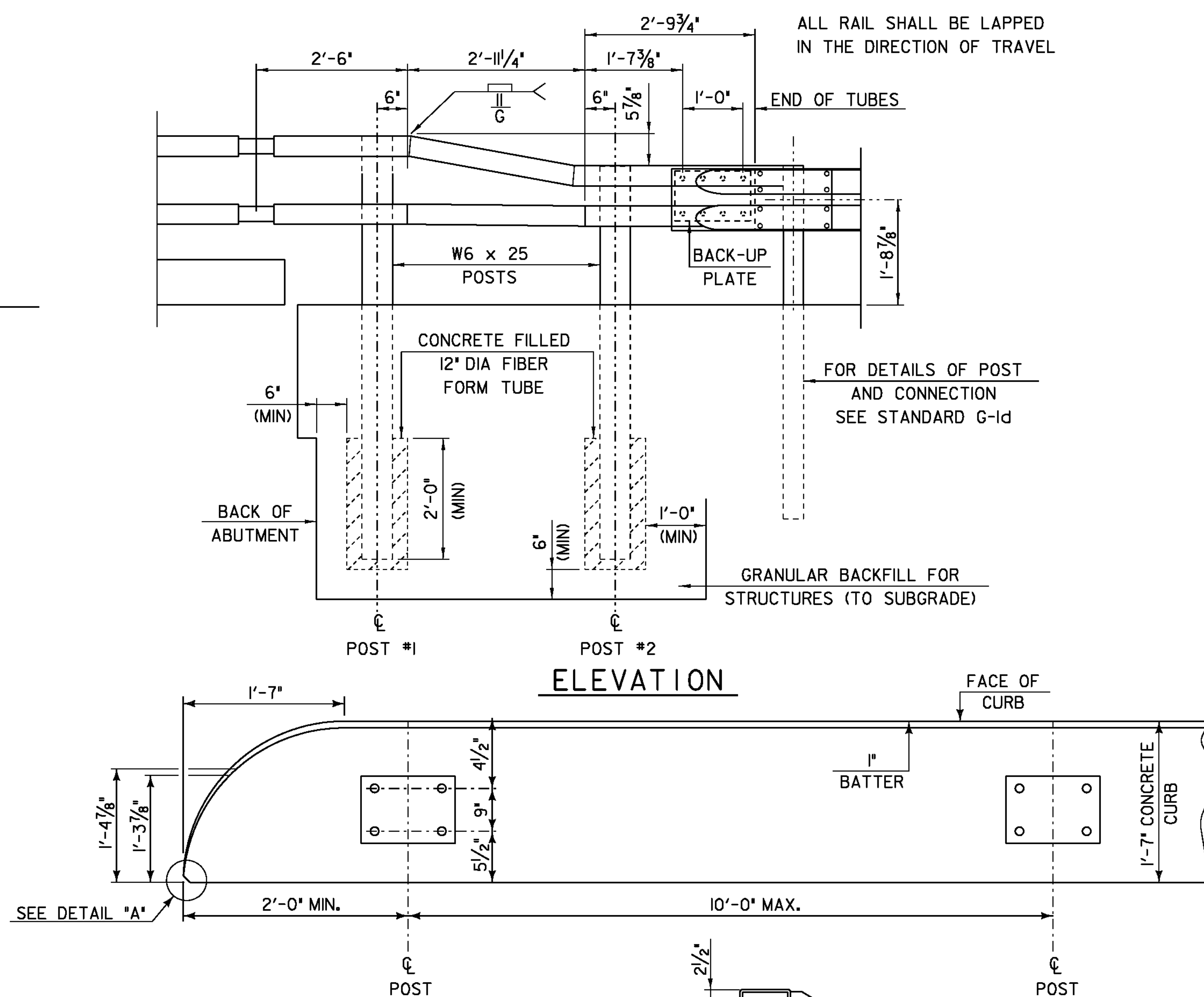
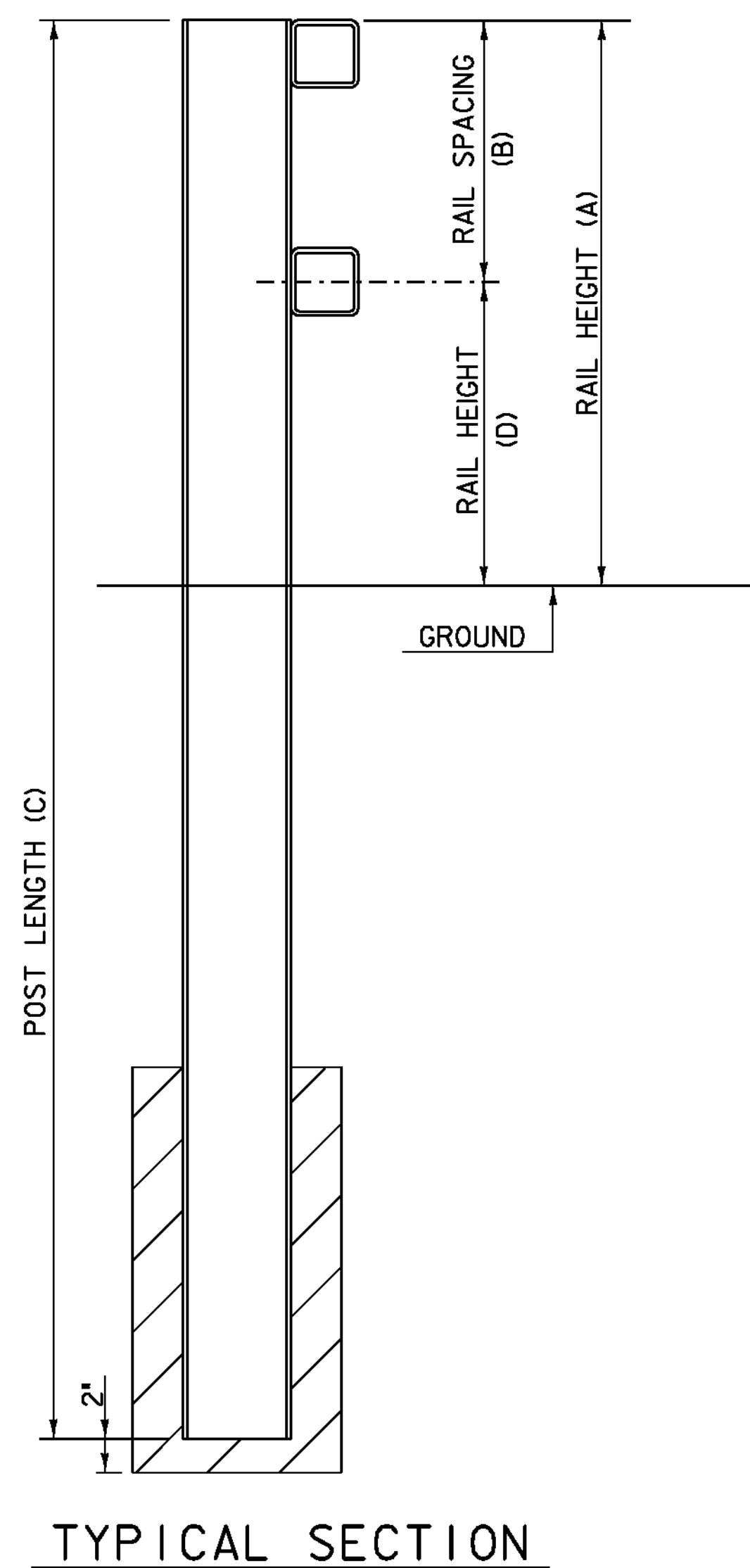


**RAILING TRANSITION ELEVATION**



POST NUMBER	RAIL HEIGHT (A)	RAIL SPACING (B)	POST LENGTH (C)	RAIL HEIGHT (D)
1	2'-10"	1'-4 1/2"	7'-0"	1'-4"
2	2'-2 1/8"	8.5'	6'-5"	1'-5 5/8"

**SECTION THROUGH GUARD RAIL CONNECTION AT TERMINAL CONNECTOR**

**Notes:**

1. PAYMENT FOR GUARDRAIL APPROACH SECTION, SHALL INCLUDE THE TERMINAL CONNECTOR, THE CONNECTION PLATE, THE DEFLECTOR PLATE, RAIL, POSTS, BLOCKS AND ATTACHMENT HARDWARE.
2. TO FACILITATE FIELD FIT - UP OF THE TRANSITION RAILING, POSTS SHALL BE SET LOOSELY INTO FIBER FORM TUBES WHILE TRANSITION PARTS ARE BEING ASSEMBLED. POST HOLES SHALL BE BACKFILLED WITH A CONCRETE MIX APPROVED BY THE ENGINEER. PAYMENT FOR COMPONENTS, INCLUDING BACKUP PLATE AND END TERMINAL CONNECTOR FOR GUARD RAIL, AUGERING, FIBER FORM TUBES AND CONCRETE, AND INSTALLATION SHALL BE CONSIDERED INCIDENTAL TO BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM, CURB MOUNTED.
3. THE RETROREFLECTIVE MATERIAL IS TO BE ERECTED EVERY 30' (OR CLOSEST POST) WITH A 5/8" DIAMETER BOLT AND SHALL MEET REQUIREMENTS OF SUBSECTION 750.08 AND SHALL BE A 0.063" ALUMINUM BACKING WHITE REFLECTOR.
4. ALL APPROACH RAIL SPLICES SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW.
5. TUBE AND STEEL POST MATERIALS, DIMENSION SIZES AND NOTES SHALL BE THE SAME AS THOSE OF THE BRIDGE RAIL, UNLESS OTHERWISE NOTED.
6. APPROACH RAIL BOLTS SHALL BE ASTM A307 GRADE A AND NUTS SHALL BE AASHTO M291 (ASTM A563 GRADE A OR BETTER) (GALVANIZED). WASHERS SHALL BE ASTM F844.
7. WELD TOP SPLICE BAR TO FIT BEND. USE COMPLETE PENETRATION WELD (B-U2).
8. SEE STANDARD G-1 AND G-1d FOR ADDITIONAL INFORMATION.

PROJECT NAME: BRIDGEWATER  
 PROJECT NUMBER: BRS 0149(4)  
 FILE NAME: s86E062r.dgn  
 PROJECT LEADER: K. HIGGINS  
 DESIGNED BY: STR 5  
 RAIL DETAIL #3

PLOT DATE: 26-JAN-2010  
 DRAWN BY: G. LAROCHE  
 CHECKED BY: T. FILLBACH  
 SHEET 42 OF 58