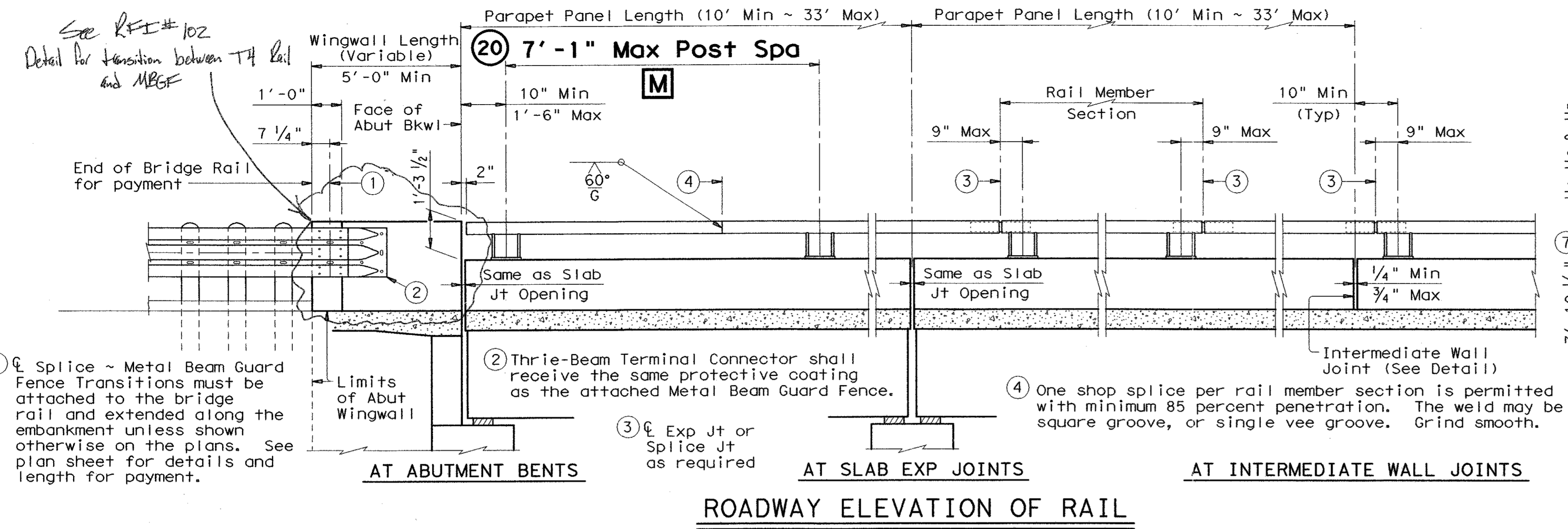
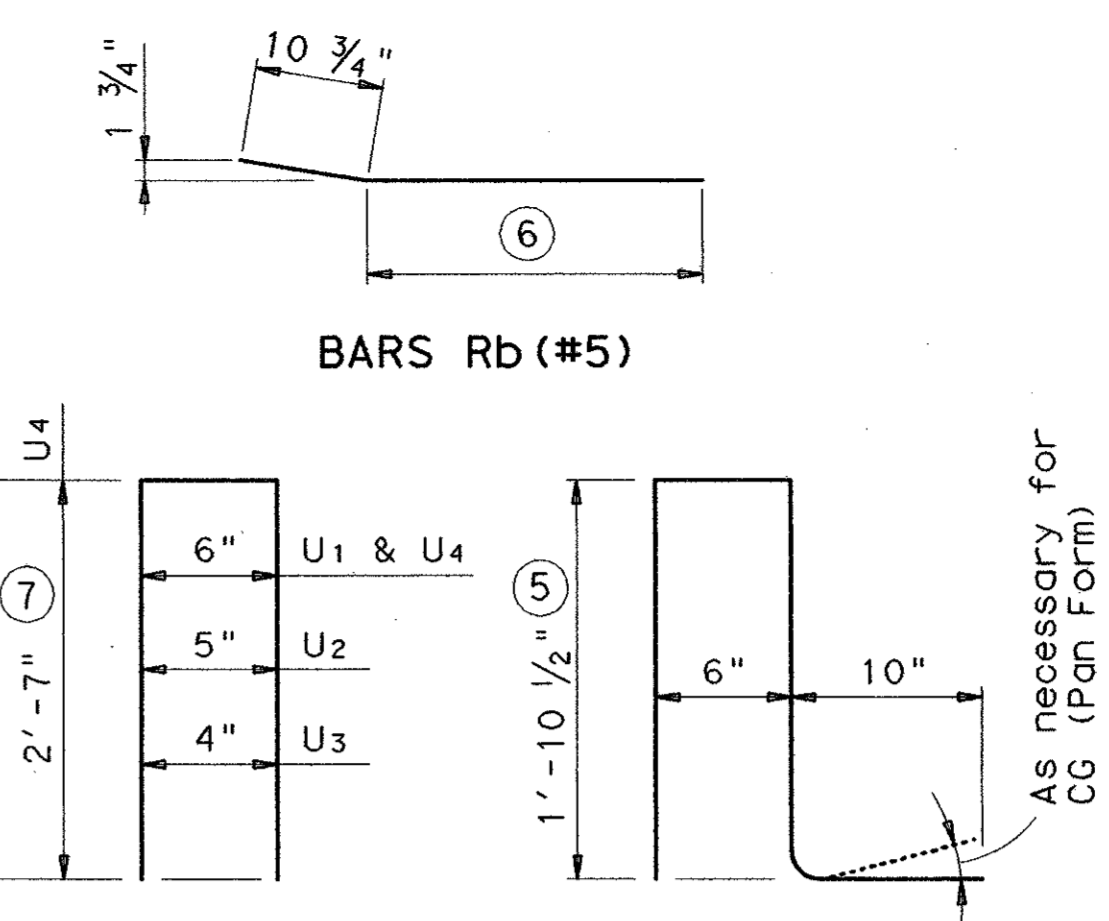


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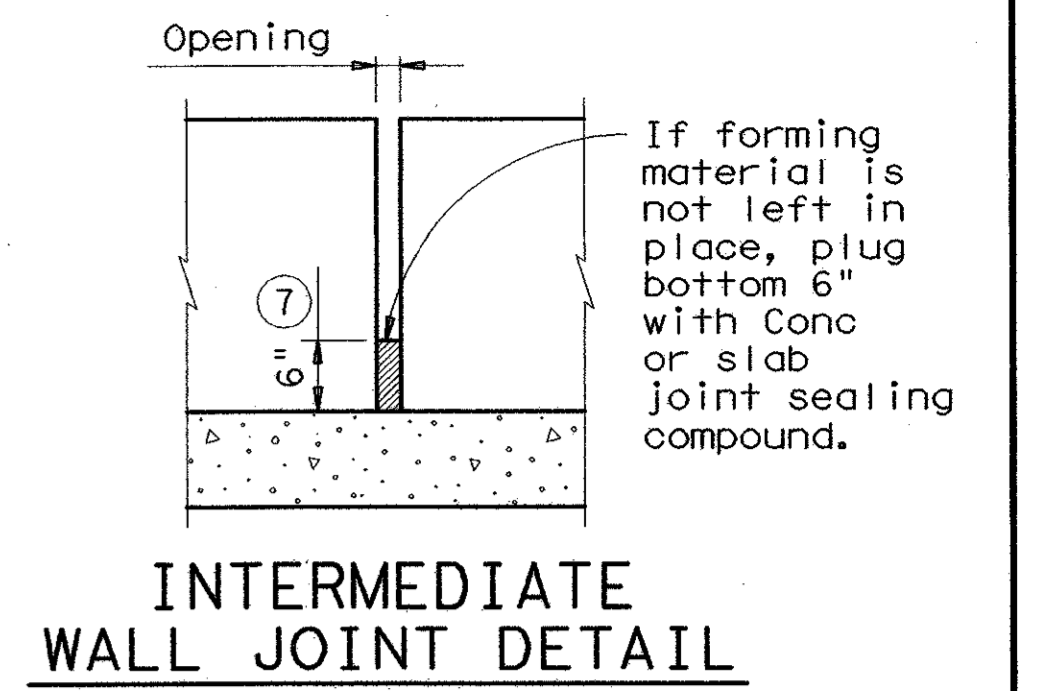
LEVELS DISPLAYED	ACC
1	63
2021	60



- ①  $\phi$  Splice ~ Metal Beam Guard Fence Transitions must be attached to the bridge rail and extended along the embankment unless shown otherwise on the plans. See plan sheet for details and length for payment.
- ② Thrie-Beam Terminal Connector shall receive the same protective coating as the attached Metal Beam Guard Fence.
- ③  $\phi$  Exp Jt or Splice Jt as required
- ④ One shop splice per rail member section is permitted with minimum 85 percent penetration. The weld may be square groove, or single vee groove. Grind smooth.

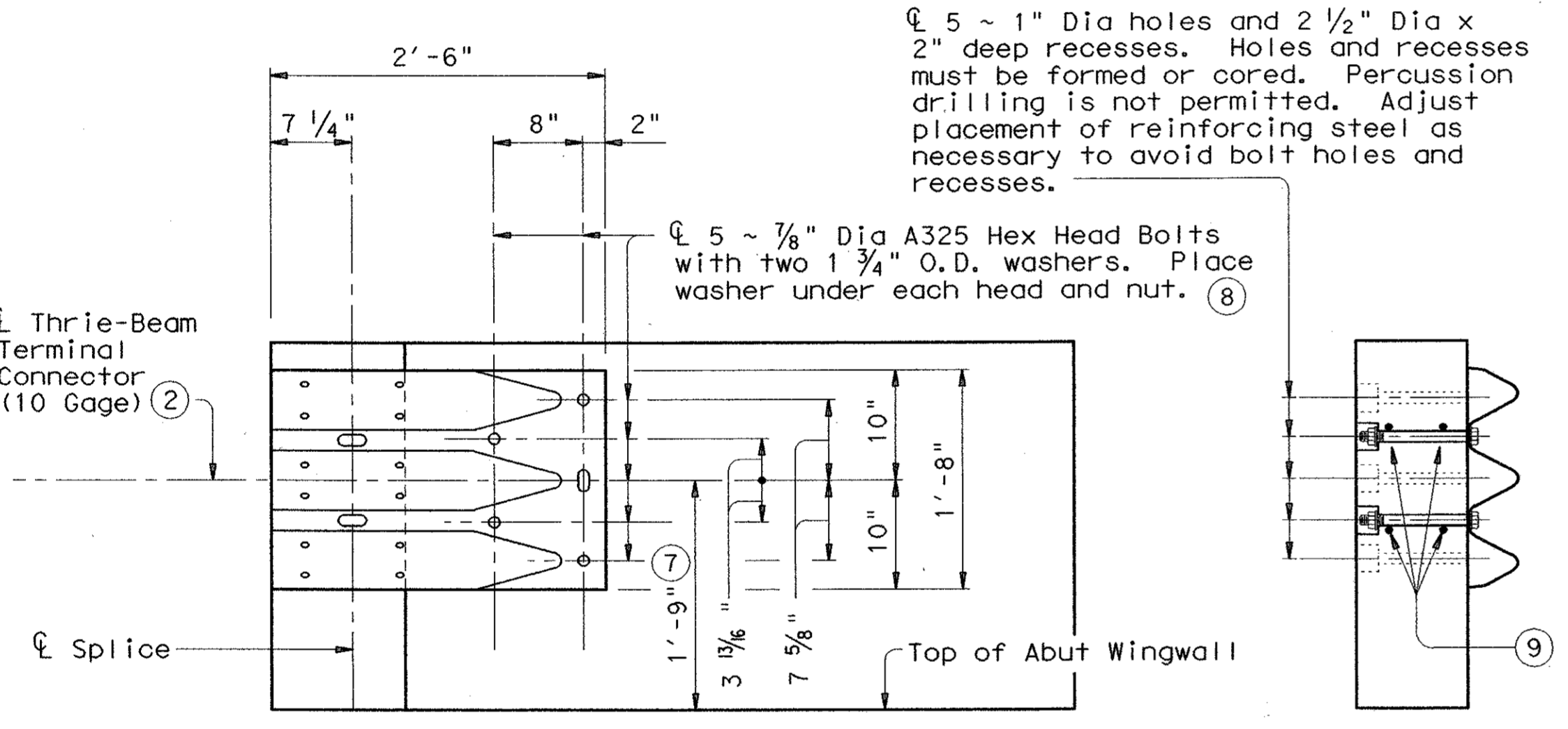


- ⑤ Length shown for 6 1/2" Min bar embedment with no overlay. Adjust as required.
- ⑥ Wingwall Length minus 1'-1 1/2"
- ⑦ Increase 2" for structures with overlay.
- ⑧ Bolts shall be sufficient length to extend 1/2" to 3/4" beyond nut.
- ⑨ 4 additional Bars R (#5) 3'-8" in length shall be placed inside Bars U (#5) and centered 2'-0" from end of rail when Terminal Connections are required. Field bend as needed.

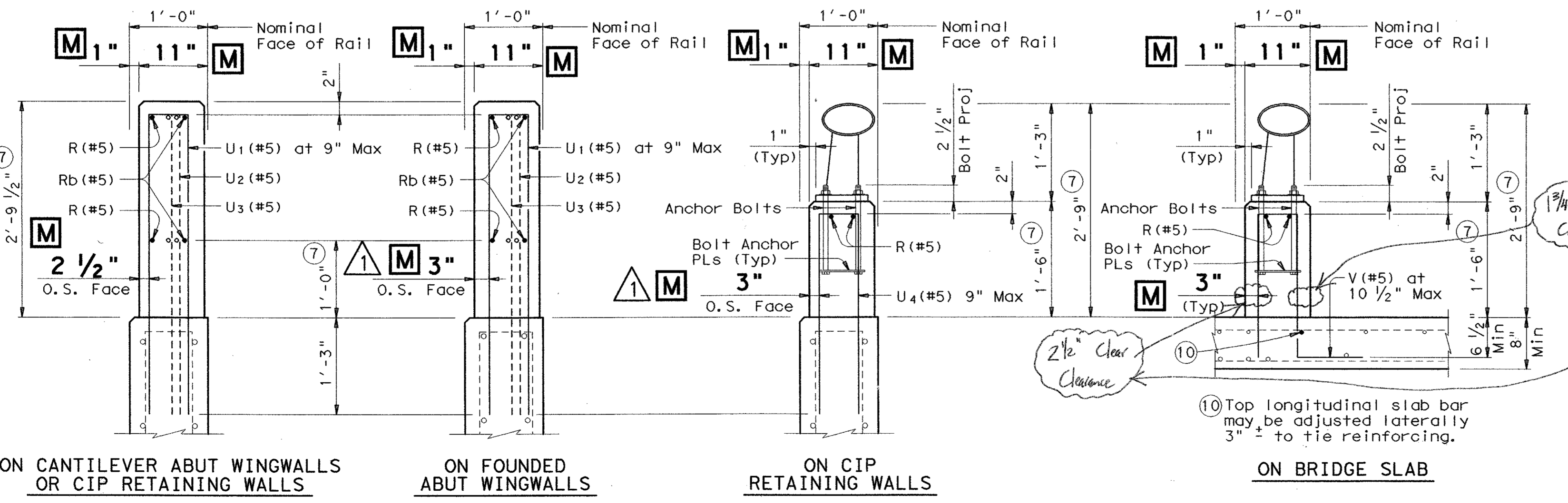
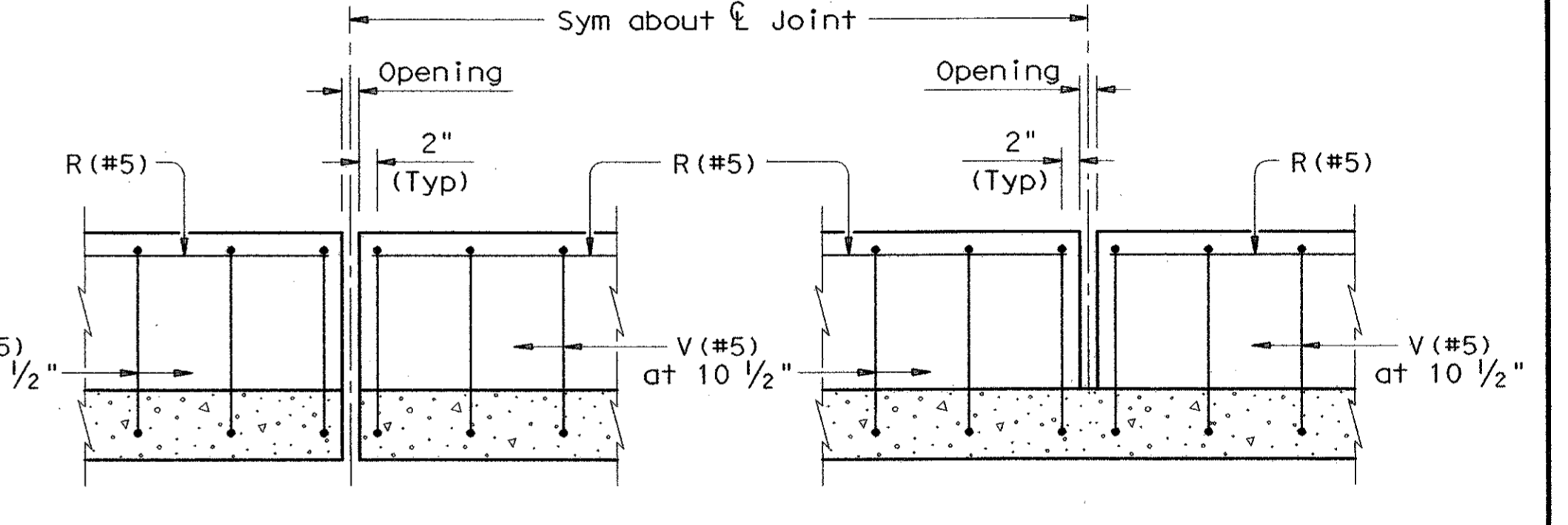
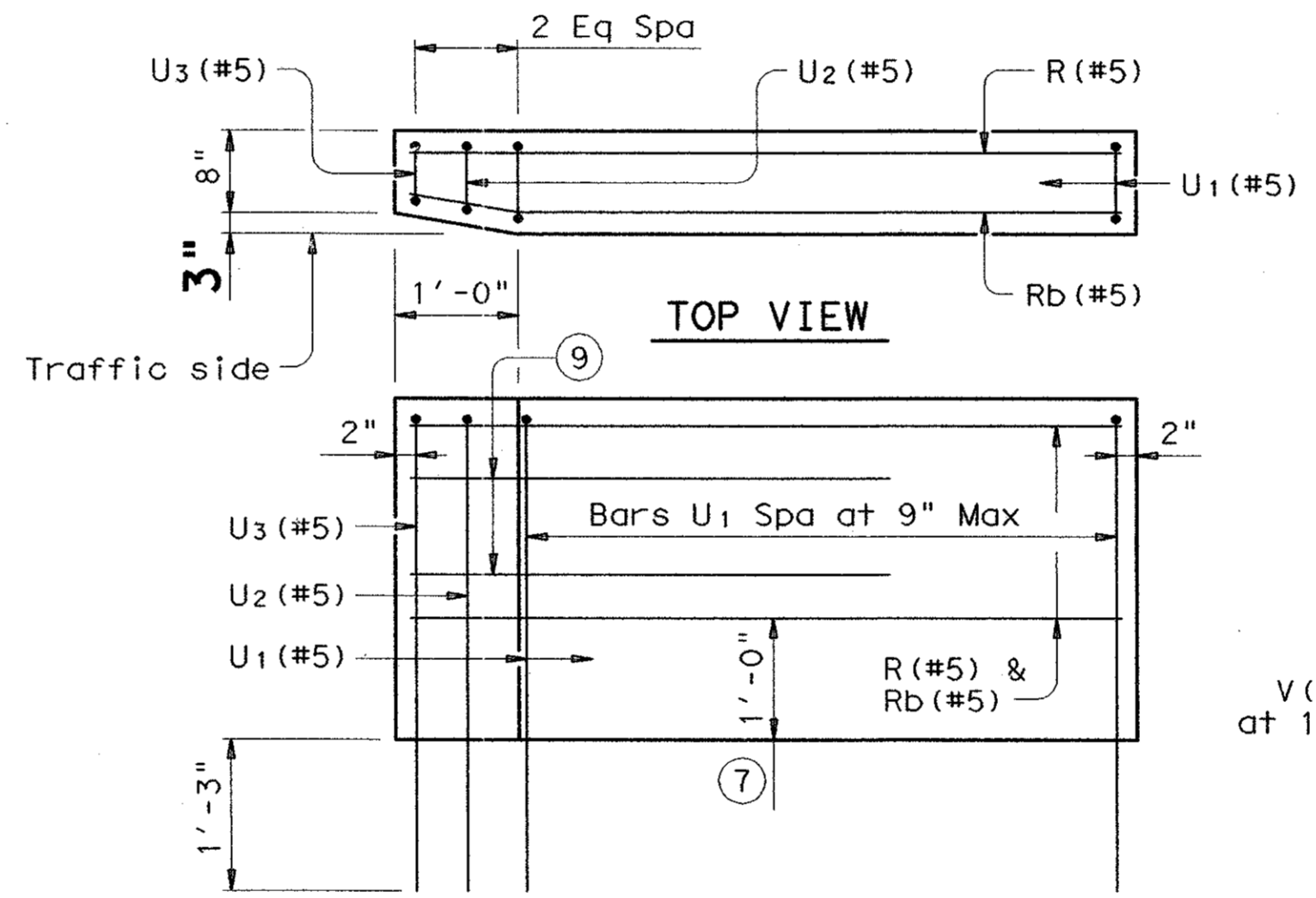


Note: Provide intermediate wall joints over all slab construction joints, over interior supports on continuous units, and at equal intervals in between as necessary to maintain a 33' maximum length of unbroken wall. Material used in forming joint may be left in place if it is compressible and light in color such as the following materials: polystyrene, molded cork granules, sponge rubber sheet, etc.

**ROADWAY ELEVATION OF RAIL**



Note: Bolt recesses are only required when pedestrian sidewalks are adjacent to back of rail.



ON CANTILEVER ABUT WINGWALLS OR CIP RETAINING WALLS      ON FOUNDED ABUT WINGWALLS      ON CIP RETAINING WALLS      ON BRIDGE SLAB

**M** Types T4(S) MOD B

**M** MODIFIED ITEMS

05/21/04 - ADDENDUM CHANGES



See RFI # 074  
Repair Clearance for T4 Rail.  
7/1/04

SHEET 1 OF 2 304

**Texas Department of Transportation**  
Bridge Division

**TRAFFIC RAIL**  
(STEEL)

**TYPE T4(S) (MOD) B**

FILE: r1stde13.dgn	DN: JJP	CK: RLR	DW: JTR	CK: DWM
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				HIGHWAY