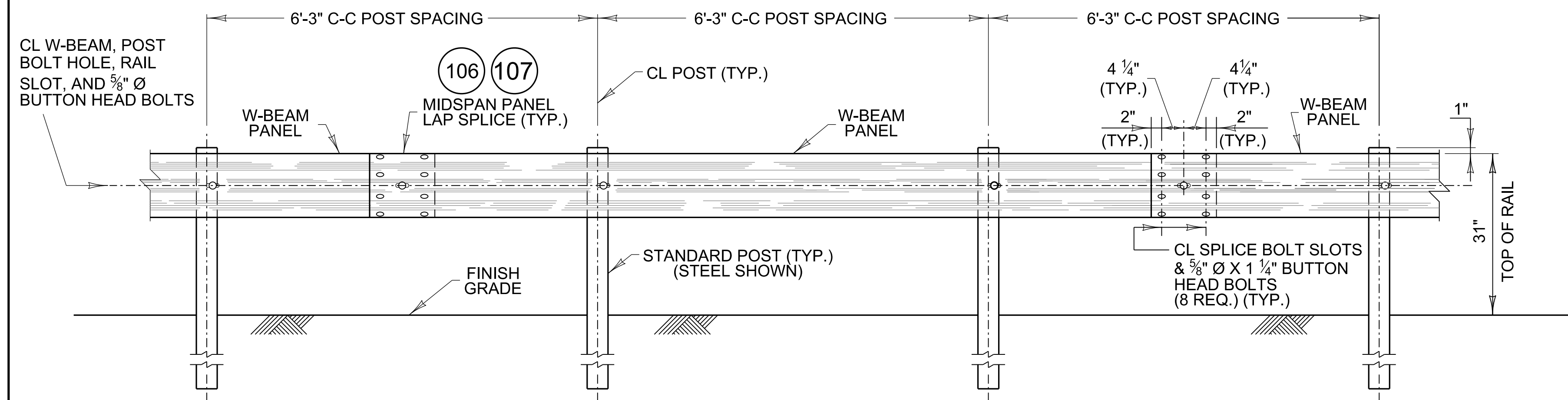


MGS GUARDRAIL – STANDARD INSTALLATION (PLAN)



MGS GUARDRAIL – STANDARD INSTALLATION (ELEVATION)

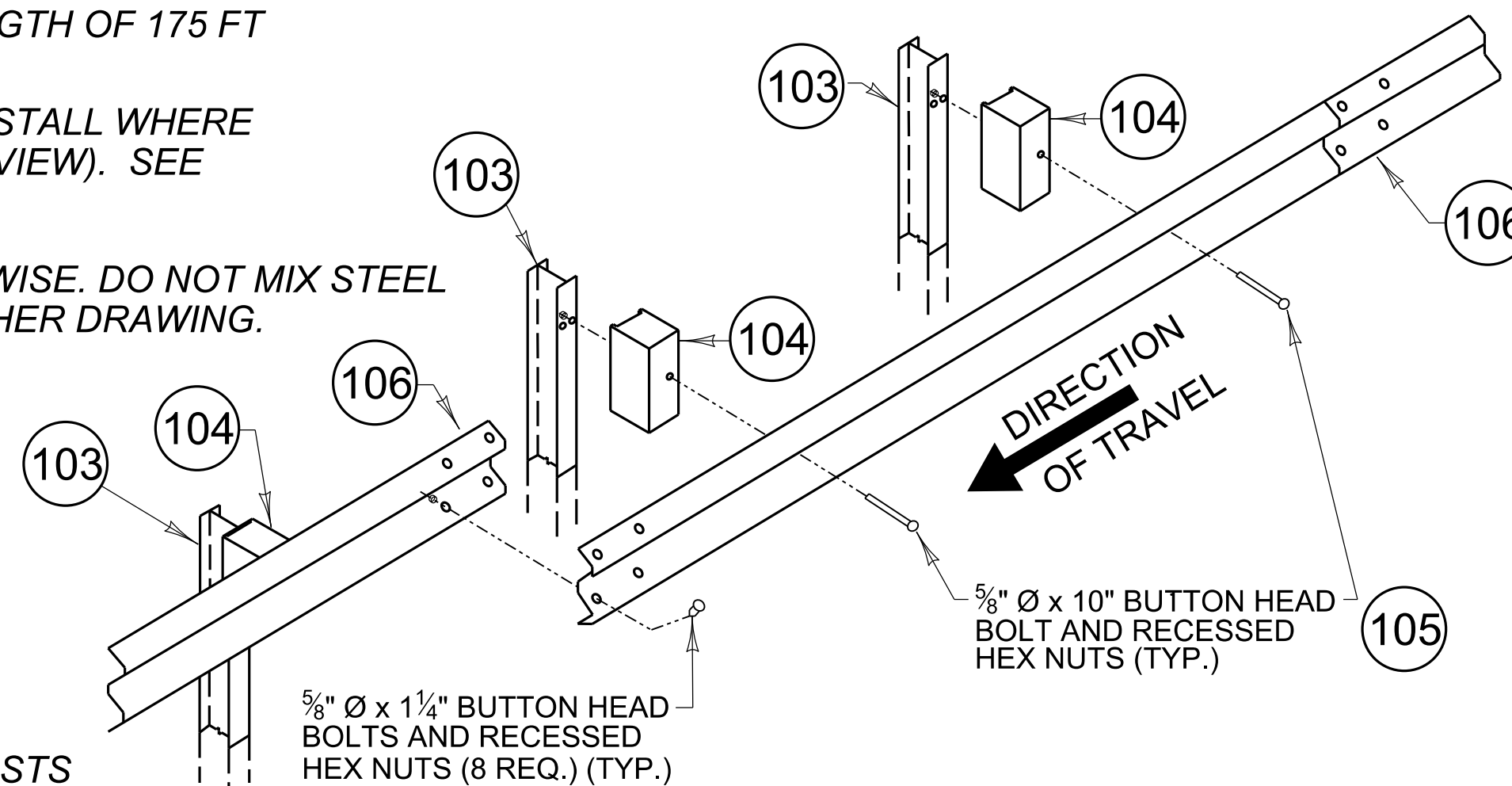
~ NOTES ~

- 101. MGS STANDARD GUARDRAIL IS MASH TL-3 APPROVED WITH A MINIMUM SYSTEM LENGTH OF 175 FT MEASURED FROM LENGTH OF NEED POINT TO LENGTH OF NEED POINT.
- 102. THIS MGS GUARDRAIL SYSTEM HAS A WORKING WIDTH OF APPROX. 5 FT. DO NOT INSTALL WHERE FIXED OBJECTS ARE LOCATED WITHIN 5 FT. OF THE FACE OF GUARDRAIL (SEE PLAN VIEW). SEE SHEET 2 FOR OPTIONS WHEN AVAILABLE WORKING WIDTH IS LESS THAN 5 FT.
- 103. STANDARD MGS W-BEAM GUARDRAIL POST LENGTH IS 6 FT, UNLESS NOTED OTHERWISE. DO NOT MIX STEEL AND WOOD POSTS WITHIN A SINGLE GUARDRAIL LENGTH UNLESS SHOWN ON ANOTHER DRAWING.
- 104. DO NOT MIX WOOD AND COMPOSITE OFFSET BLOCKS WITHIN A SINGLE LENGTH OF GUARDRAIL UNLESS OTHERWISE INDICATED BY ANOTHER DRAWING.
- 105. WHEN STEEL POSTS ARE USED, INSTALL THE BOLT ON THE SIDE CLOSEST TO THE DIRECTION OF TRAVEL. SEE SPLICE DETAIL.
- 106. UNLESS OTHERWISE INDICATED, LOCATE ALL GUARDRAIL SPLICES AT MIDSPAN BETWEEN POSTS AT 6'-3" SPACING.
- 107. LAP ALL GUARDRAIL SPLICES IN THE DIRECTION OF VEHICLE TRAVEL.
- 108. PROVIDE 2'-0" MIN. HORIZONTAL EMBANKMENT WIDTH (10:1 OR FLATTER) BEHIND POSTS TO THE SLOPE HINGE POINT FOR 2:1 OR FLATTER FILL SLOPES. SEE SHEETS 3 AND 4 WHEN THIS WIDTH IS NOT AVAILABLE. CONTRARY TO RGX-001, ROUNDING OF SLOPES IS NOT PERMITTED AT THE HINGE POINT BEHIND GUARDRAIL. FOR FILL SLOPES STEEPER THAN 2:1, SEE RBR-202, SHEET 2 (THRIE-BEAM).
- 109. SEE STANDARD DRAWING PACKET RBR-203 FOR DETAILS OF THE W-BEAM RAIL, STEEL POST, WOOD POST, OFFSET BLOCK, AND BOLTS, NUTS, AND WASHERS.
- 110. SEE STANDARD DRAWING RBR-018 WHEN TRANSITIONING TO HEIGHT LESS THAN 31".
- 111. BOTH 12'-6" AND 25'-0" LENGTHS OF W-BEAM GUARDRAIL SECTIONS ARE PERMITTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 112. SEE RBR-055 FOR DELINEATOR FOR GUARDRAIL TYPES AND SPACING.
- 113. IF ROCK IS ENCOUNTERED DURING POST INSTALLATION, SEE RBR-204 SHEET 6.
- 114. FOR POSTS SET IN ASPHALT OR CONCRETE PAVEMENT, SEE RBR-204 SHEET 6.

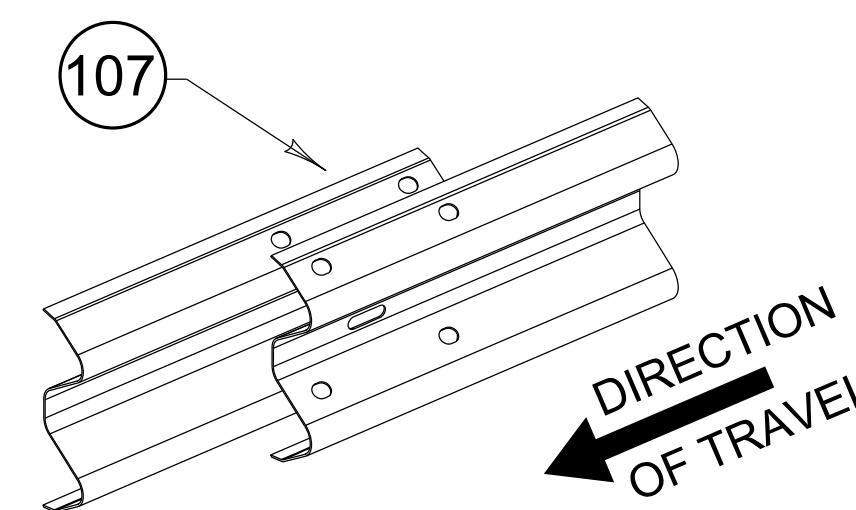
BID ITEM AND UNIT TO BID

G/R-W BEAM-S FACE TL-3

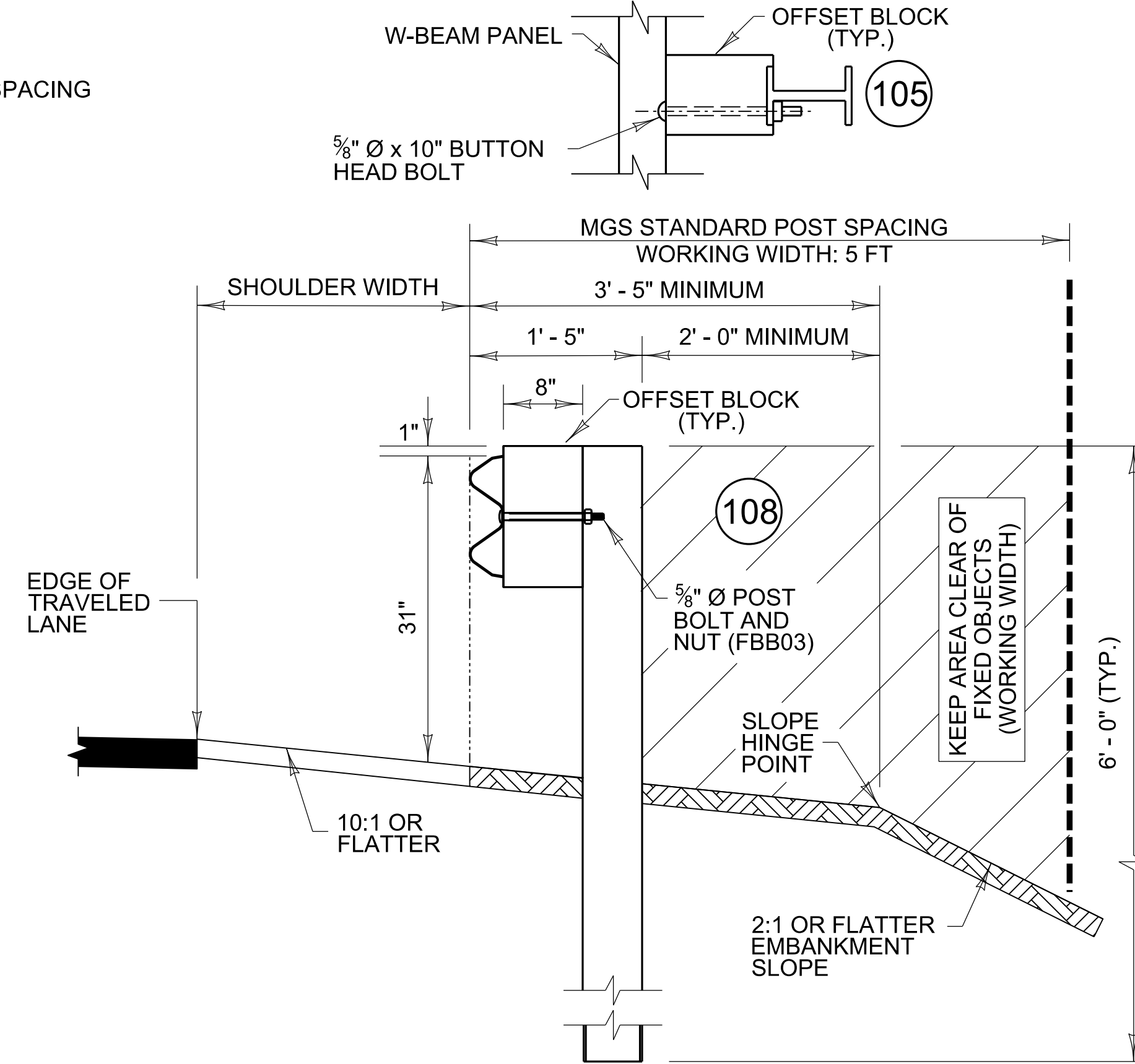
LF



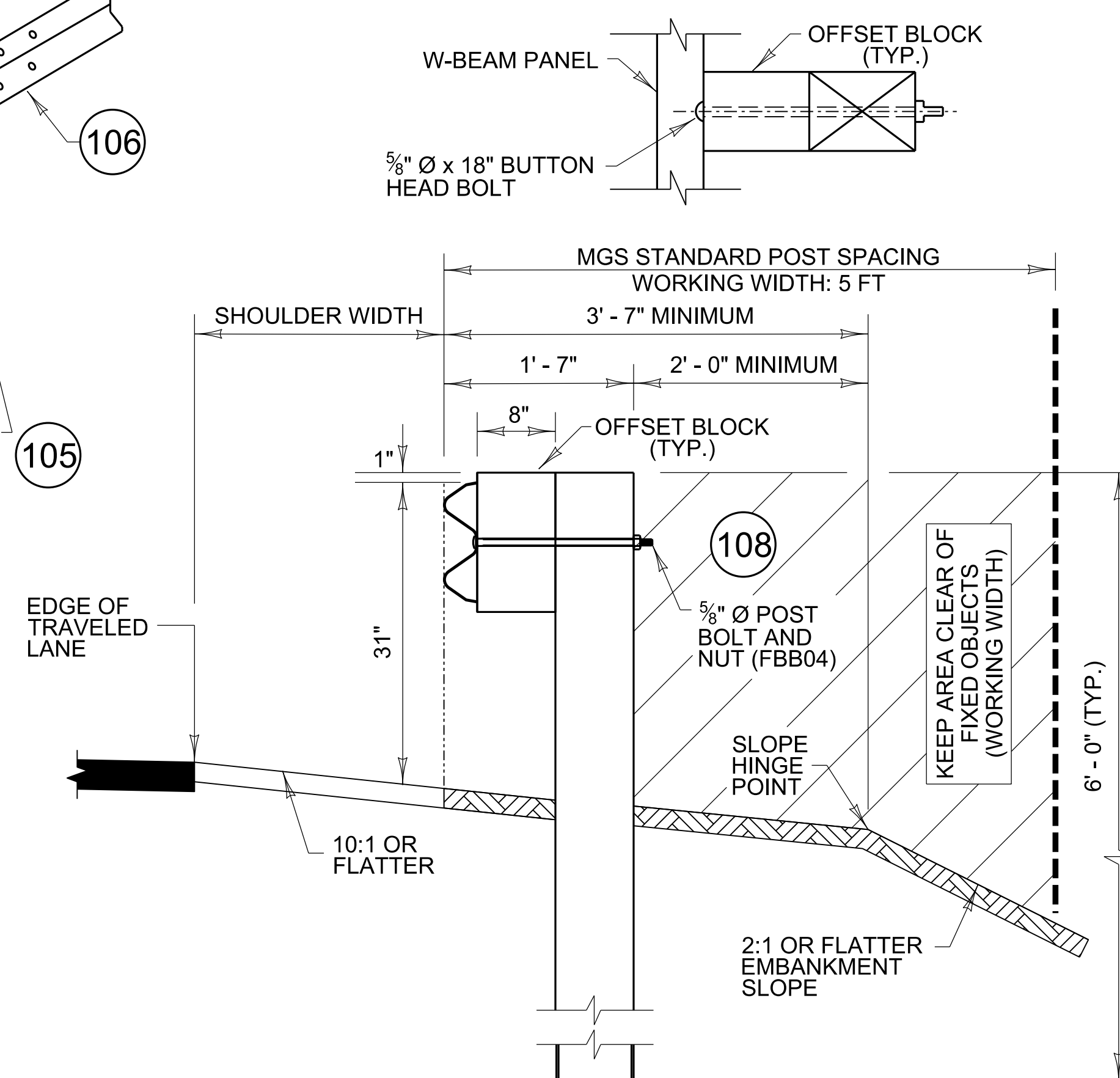
MIDSPAN LAP SPLICE DETAIL (STEEL POST SHOWN)



LAP SPLICE



MGS GUARDRAIL – STEEL POST INSTALLATION



MGS GUARDRAIL – WOOD POST INSTALLATION

REVISION DATE: 05/06/2026
REVISION NUMBER: 0

05/06/2026
DATE

DIVISION DIRECTOR
DATE

APPROVED
STATE HIGHWAY ENGINEER

BARRIERS