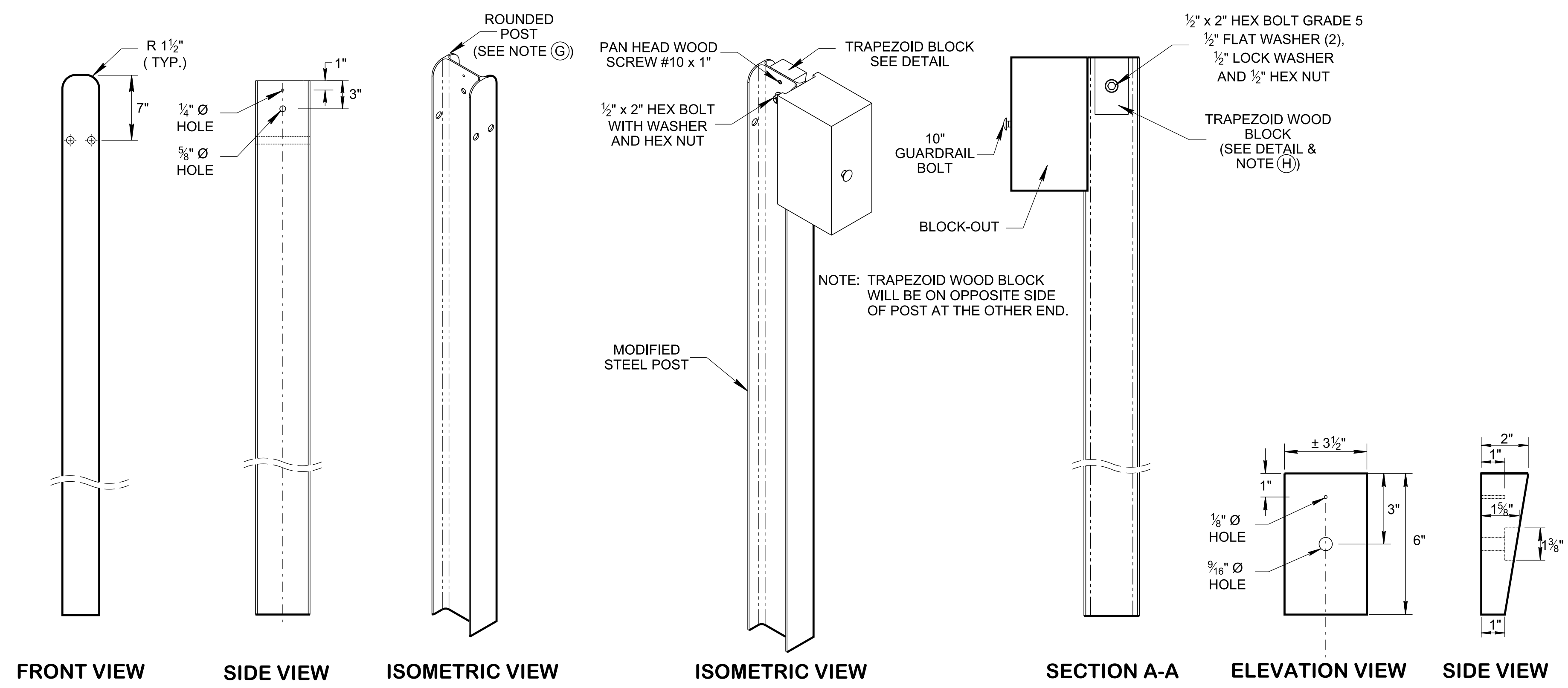
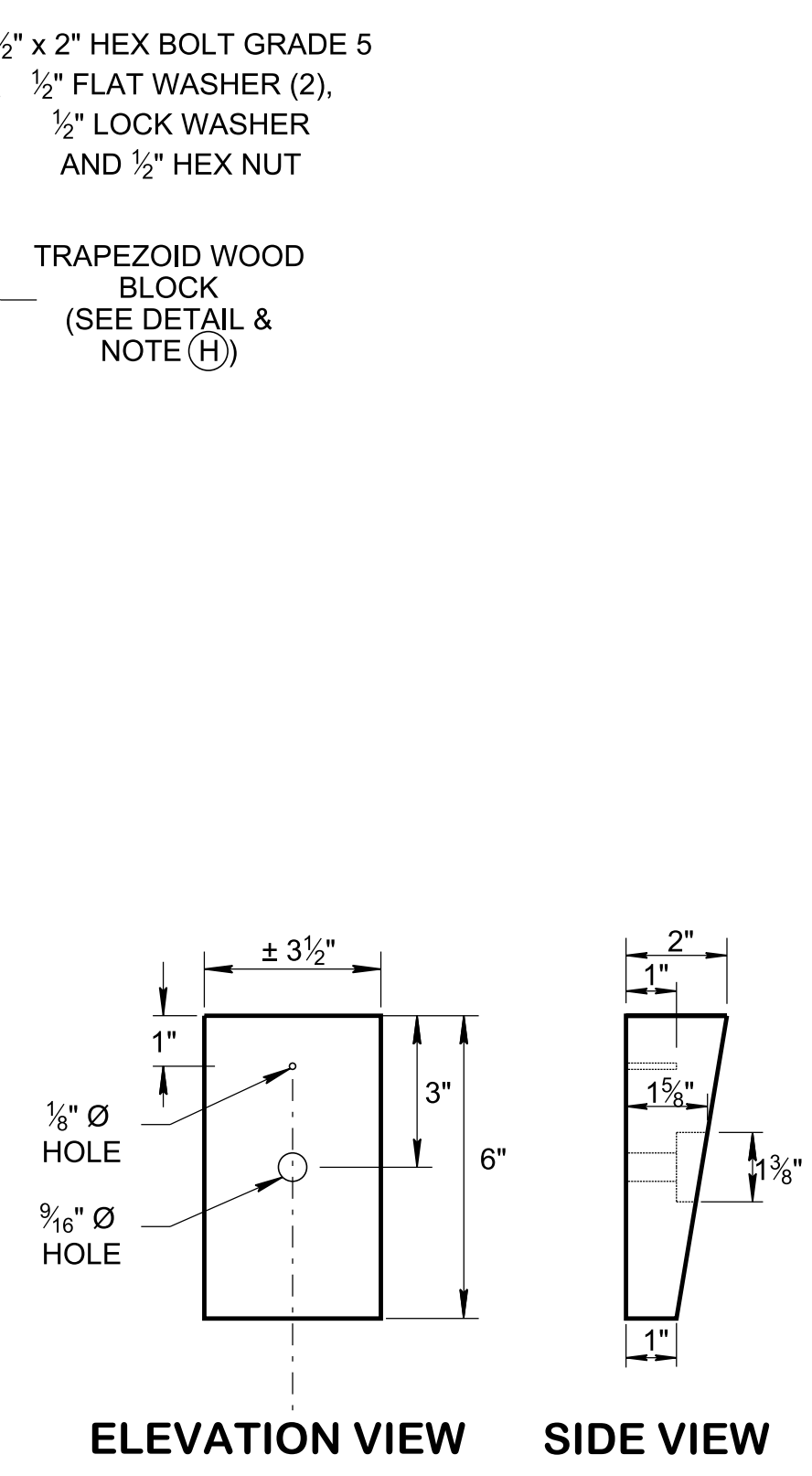


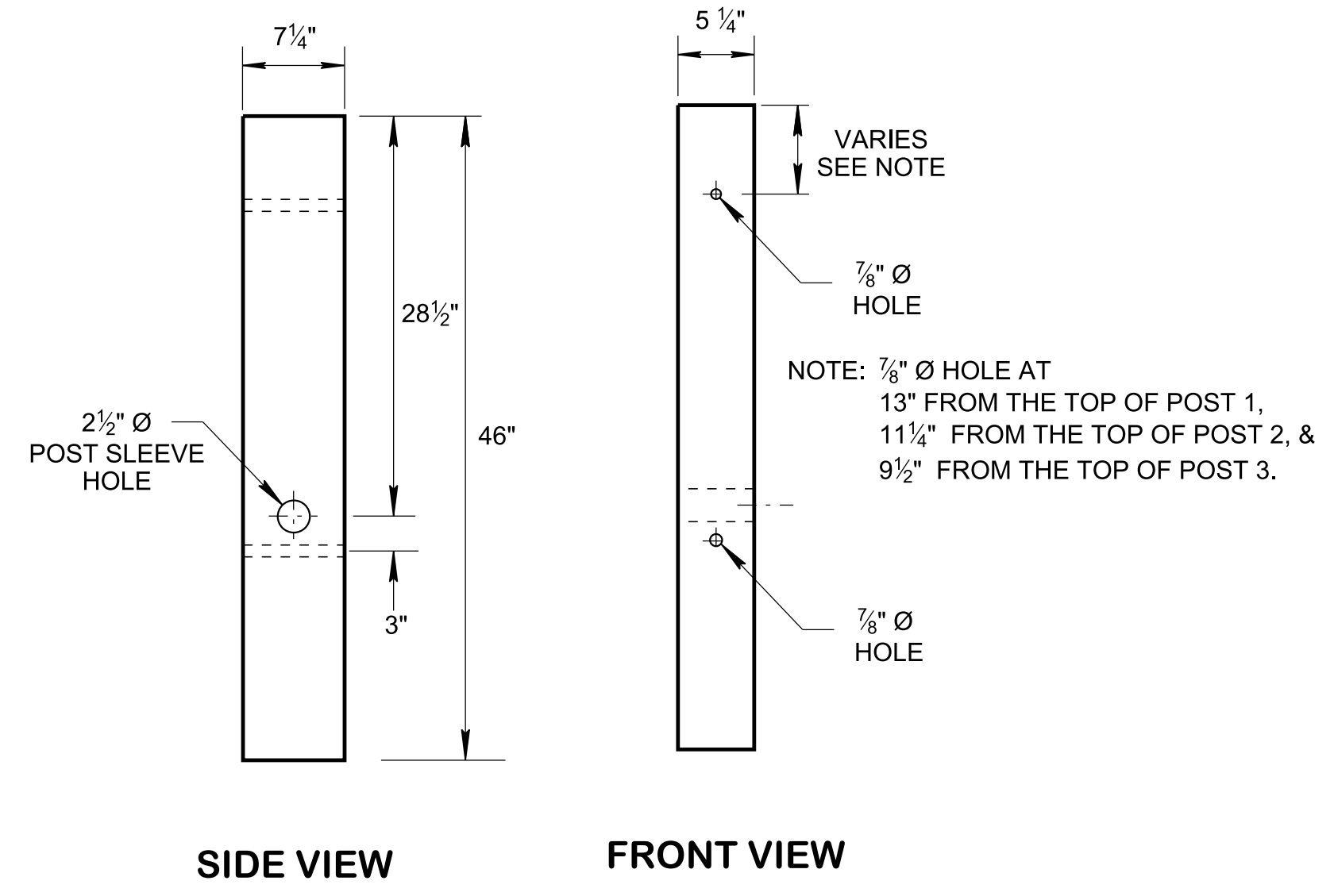
3/13/2024 10:36:12 AM
 P:\StandDraw\DESIGN STANDARDS\Standards Drawings\Standard Roadway Drawings - CURRENT\In Progress\10-107.00 Safety Design and Guardrails IP\107.07 Guardrail Terminals IP\SIGRT4B-20240101



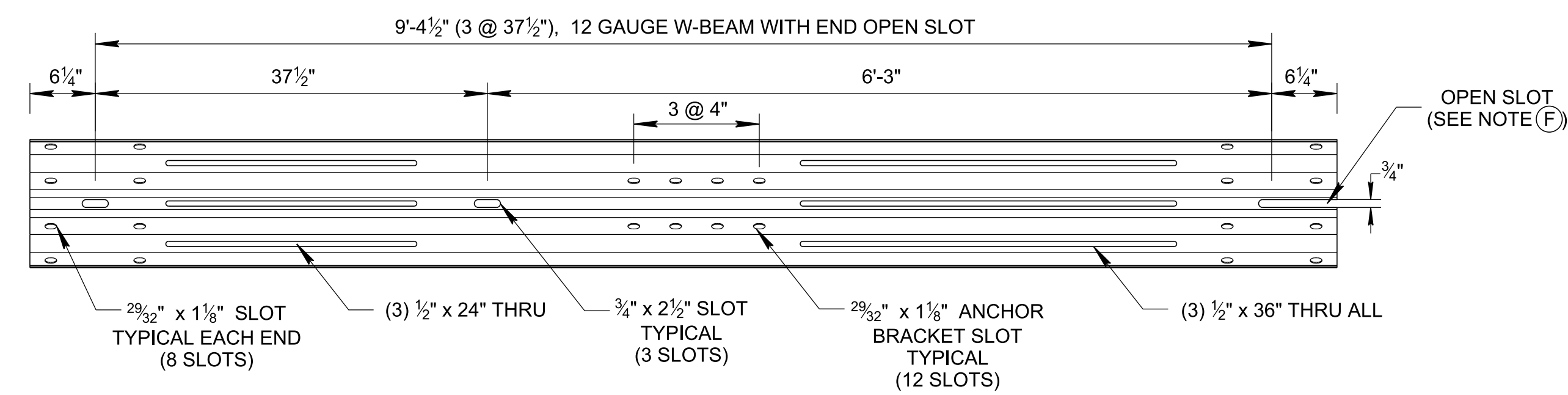
ROUNDED STEEL POST (POST 4, 5, 6 & 7)
72" LONG WIDE-FLANGE W6 x 8.5 STEEL POST



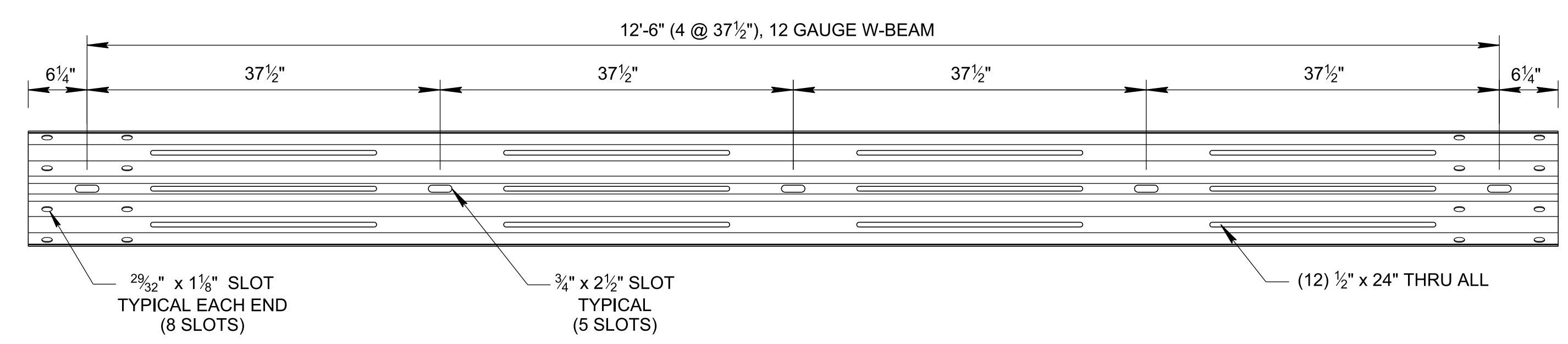
TRAPEZOID WOOD BLOCK
(SEE NOTE (H))



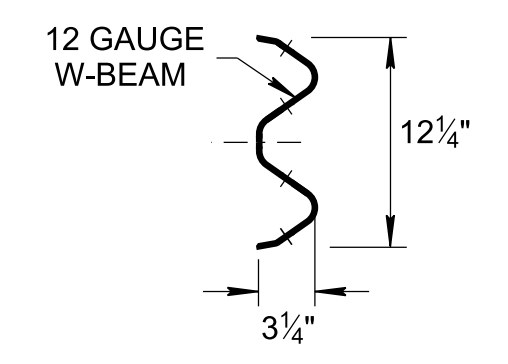
WOOD POST (POST 1, 2 & 3)
7 1/4" x 5 1/4" x 46" WOOD POST



TERMINAL RAIL 1



TERMINAL RAILS 2 AND 3
(SEE S-GRT-4 FOR RAIL LOCATION)



TYPICAL SECTION

- GENERAL NOTES**
- (A) REFER TO STANDARD DRAWING S-GRT-4 FOR GATING END TERMINAL GUARDRAIL AND S-GRT-4A FOR ASSEMBLY DETAILS.
 - (B) REFER TO STANDARD DRAWINGS S-GR31-1 SERIES FOR GUARDRAIL DETAILS.
 - (C) ALL WELDING SHALL BE PERFORMED BY A WELDER QUALIFIED IN ACCORDANCE WITH THE AASHTO/AWS D1.5M/D1.5 BRIDGE WELDING CODE (LATEST EDITION).
 - (D) ALL HOLES IN WOOD POSTS ARE TO BE DRILLED BEFORE PRESERVATIVE TREATMENT IS APPLIED.
 - (E) ALL CUTTING, DRILLING, AND WELDING OF STEEL COMPONENTS SHALL BE DONE BEFORE GALVANIZING.
 - (F) AN OPEN SLOT AT THE END OF THE FIRST RAIL ELEMENT TO REDUCE TENSILE LOADING ON THE FIRST POST.
 - (G) ROUNDED POSTS AT THE TOP OF THE FIRST FOUR STEEL POSTS TO REDUCE SHARP POST CORNERS INTERACTING WITH THE VEHICLE UNDERCARRIAGE.
 - (H) AN UPSTREAM-FACING TRAPEZOIDAL WOOD BLOCK TO PROVIDE SEPARATION BETWEEN THE POST FLANGES AND THE VEHICLE UNDERCARRIAGE. THIS TRAPEZOIDAL IS MADE FROM HIGH-QUALITY WOOD, AND OPTIONS SUCH AS DENSE RUBBER OR HIGH-DENSITY POLYETHYLENE SHOULD PROVIDE A SIMILAR FUNCTION IF DESIRED.
 - (I) PAYMENT FOR FURNISHING AND INSTALLING GUARDRAIL ELEMENTS SHALL BE INCLUDED IN THE PRICE BID FOR GR TERMINAL (GATING) (TYPE 21) MASH TL2.

STATE OF TENNESSEE
 STANDARD DRAWING
 DEPARTMENT OF TRANSPORTATION

GATING
TERMINAL
POST & RAIL
DETAILS