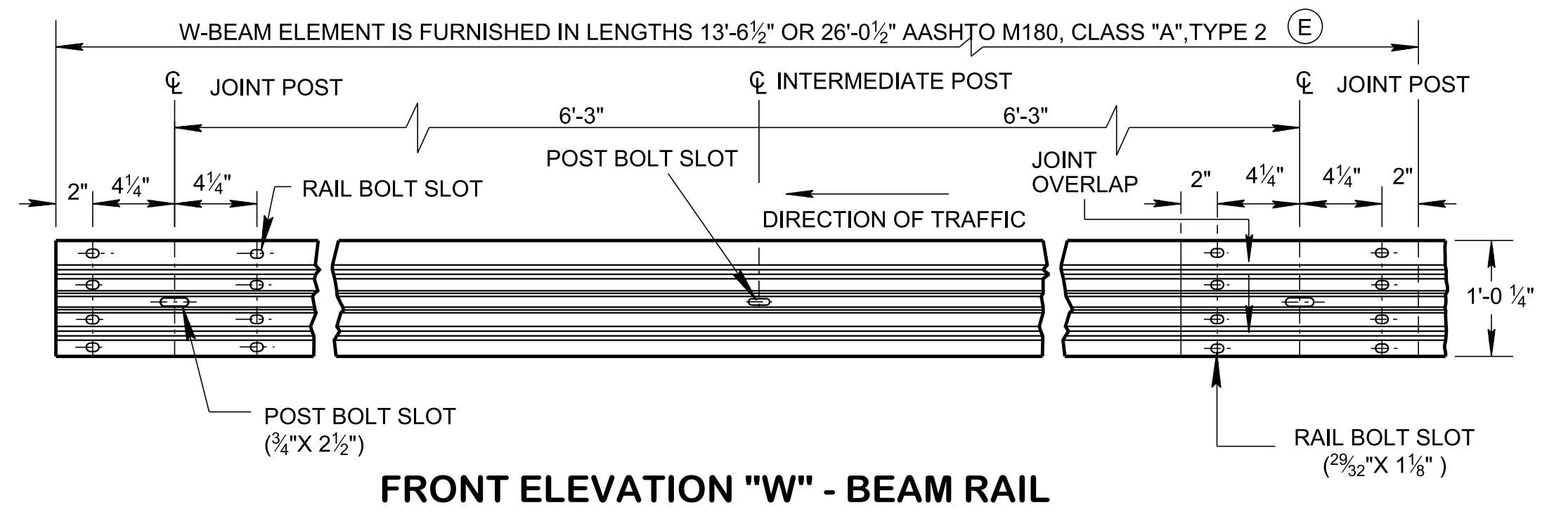
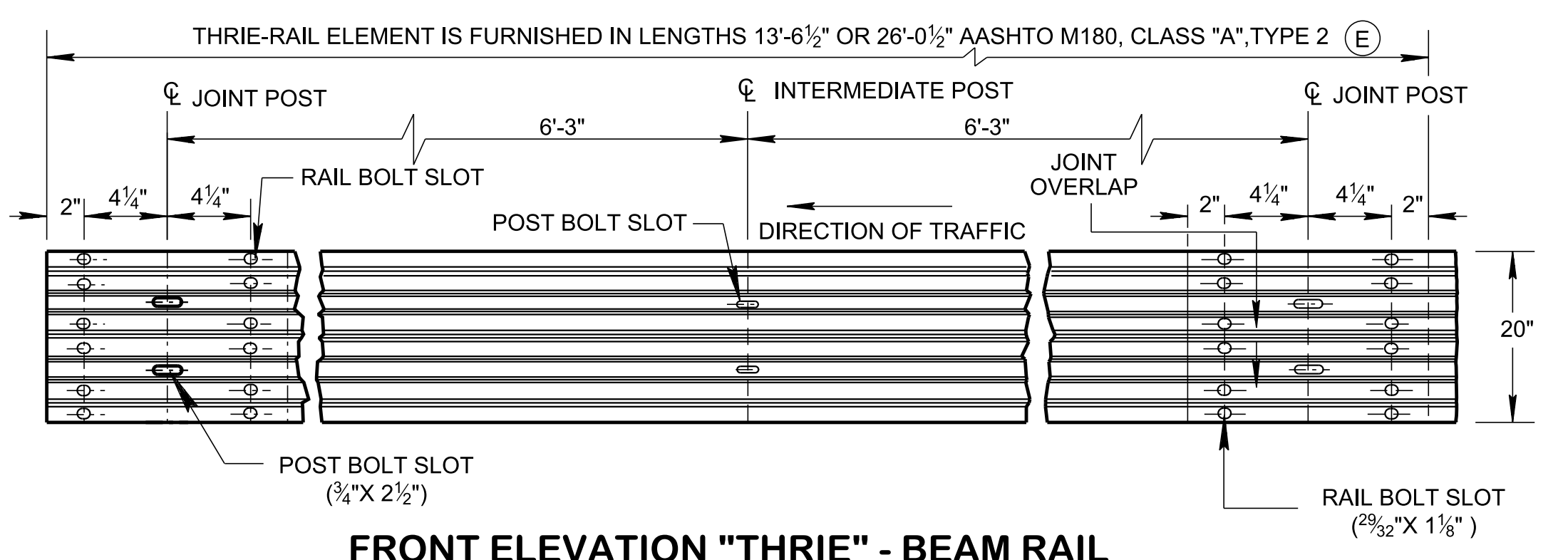
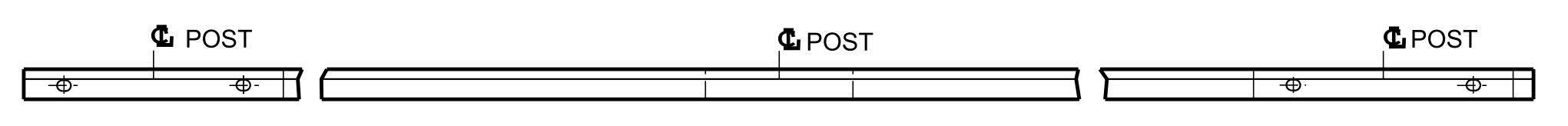
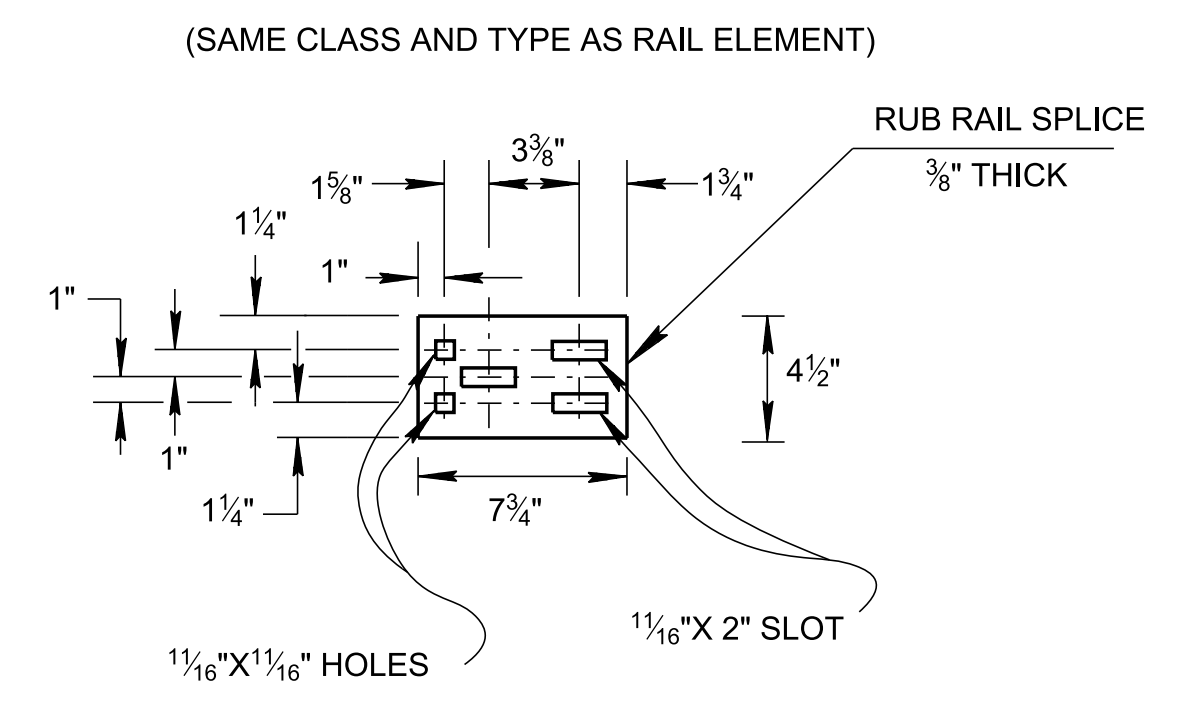
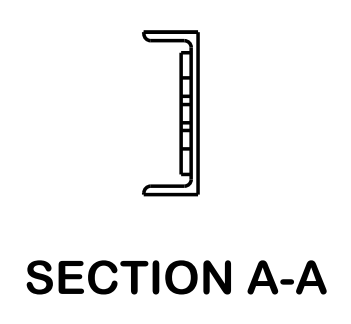
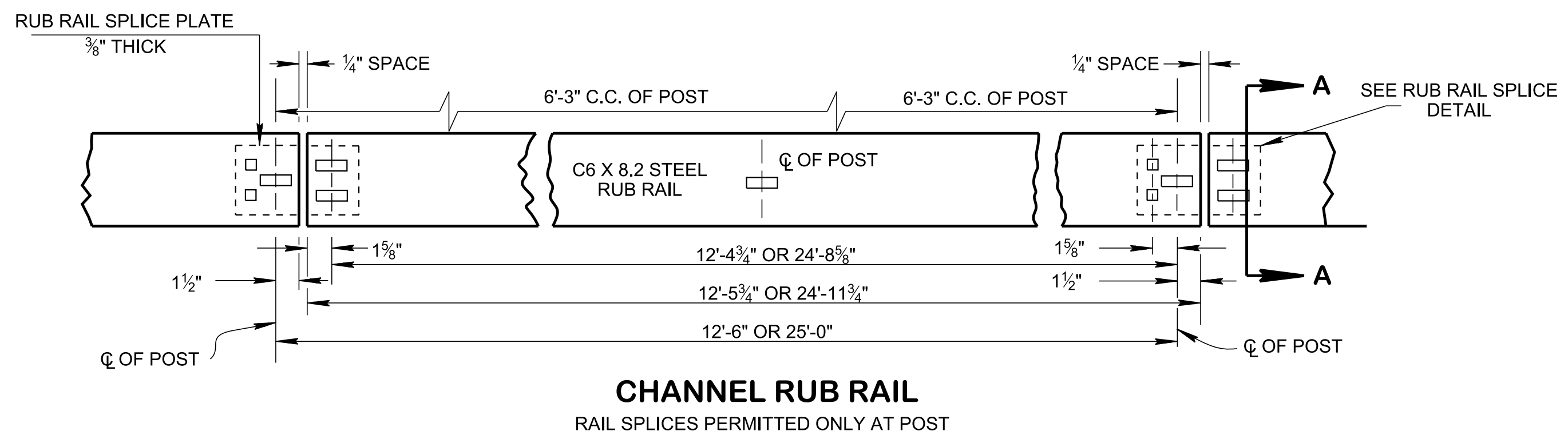


7/16/2021 3:10:55 PM P:\StandDraw\DESIGN STANDARDS\Standards Drawings Library\Standard Roadway Drawings - CURRENT\In Progress\10-106.00 Safety Design and Guardrails IP\106.10 Guardrail Maintenance IP\SGR281M-2021

REV. 06-28-19: CHANGED DRAWING NO. AND REDREW SHEET.
REV. 06-15-21: REVISED NOTE (A) AND ADDED NOTE (F).

THIS DRAWING IS TO BE USED FOR RESURFACING, MAINTENANCE, AND BRIDGE REPAIR PROJECTS ONLY, THIS DRAWING IS NOT INTENDED TO BE USED FOR NEW CONSTRUCTION OR RECONSTRUCTION PROJECTS.



| GENERAL NOTES | | |
|---------------|--|----------|
| (A) | CORRUGATED SHEET STEEL BEAMS SHALL CONFORM TO THE CURRENT REQUIREMENTS OF AASHTO M180 CLASS "A"; TYPE II OR TYPE VI. RAIL MATERIAL SHALL HAVE A MINIMUM YIELD STRENGTH OF 50 KIPS PER SQUARE INCH AND A TENSILE STRENGTH OF 70 KIPS PER SQUARE INCH. | |
| (B) | RUB RAILS AND RUB RAIL SPLICE PLATES SHALL CONFORM TO ASTM A36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. | |
| (C) | WHERE GUARDRAIL IS TO BE PLACED ON A CURVE WITH A RADIUS LESS THAN 150 FEET, THE RAIL SECTION SHALL BE SHOP-FORMED TO THE REQUIRED RADIUS. | |
| (D) | SEE THE "S-PL" STANDARD SERIES FOR GUARDRAIL PLACEMENT. | |
| (E) | ITEM NUMBERS FOR PAYMENT AS DETAILED ON THESE "S-GR" SERIES OF DRAWINGS ARE AS FOLLOWS: | |
| | ITEM NO. DESCRIPTION | |
| | 705-02.01 SINGLE GUARDRAIL WITH RUB-RAIL (TYPE 2) | PER L.F. |
| | 705-02.02 SINGLE GUARDRAIL (TYPE 2) | PER L.F. |
| | 706-06.01 SINGLE THRIE RAIL (TYPE2) | PER L.F. |
| (F) | SUBSTITUTING TYPE II WITH TYPE VI IS ACCEPTABLE. | |

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED

STATE OF TENNESSEE
STANDARD DRAWING
DEPARTMENT OF TRANSPORTATION

W-BEAM &
THRIE BEAM
BARRIER RAIL
AND RUB RAIL
DETAILS

NOT TO SCALE