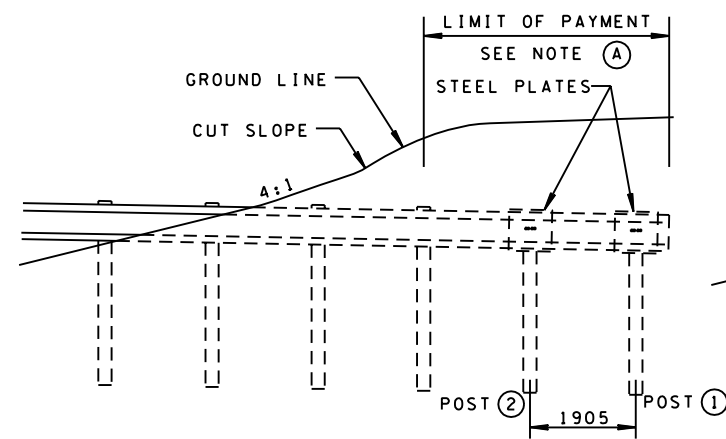
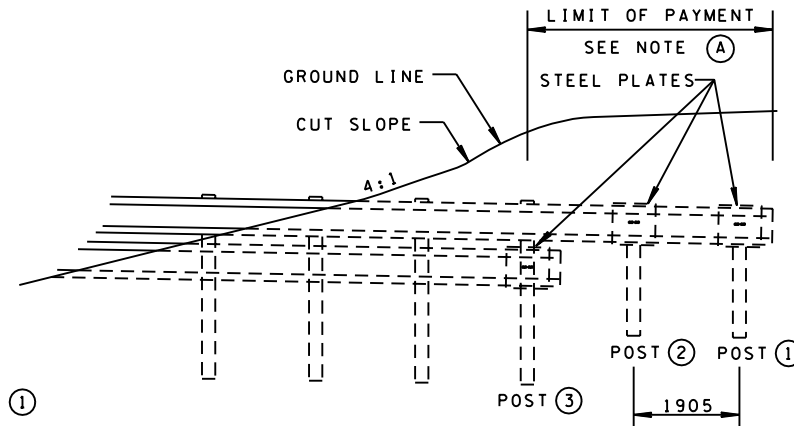
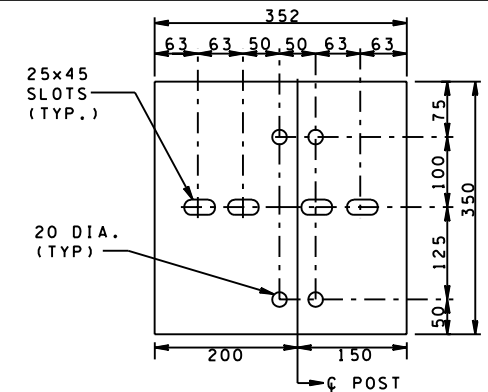
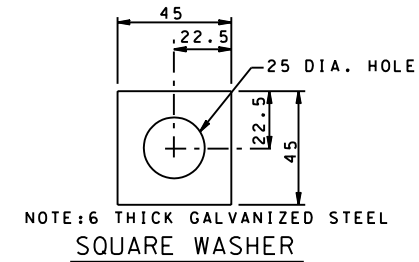




GUARDRAIL TERMINAL (TYPE 12)
ELEVATION VIEW
(SINGLE RAIL)
ITEM NO. 705M-04.02 PER EACH

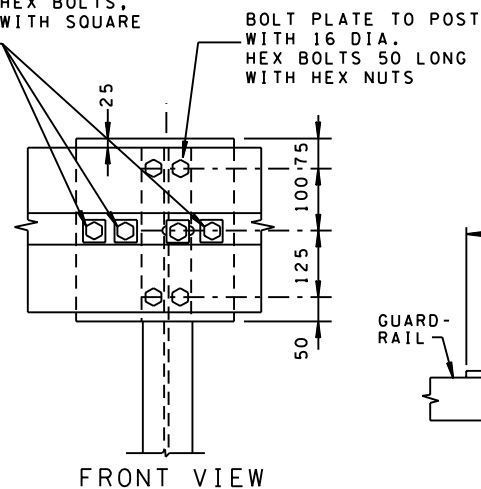


GUARDRAIL TERMINAL (TYPE 12)
ELEVATION VIEW
(WITH RUB RAIL)
ITEM NO. 705M-04.02 PER EACH

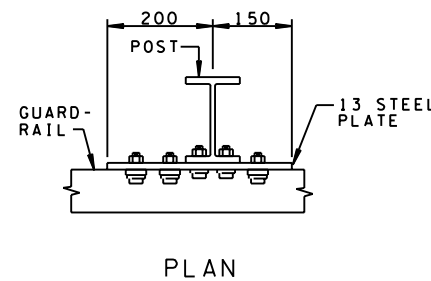


NOTE: 13 THICK GALVANIZED
STEEL ALL HOLES TO BE
DRILLED PRIOR TO
GALVANIZING.
STEEL PLATE

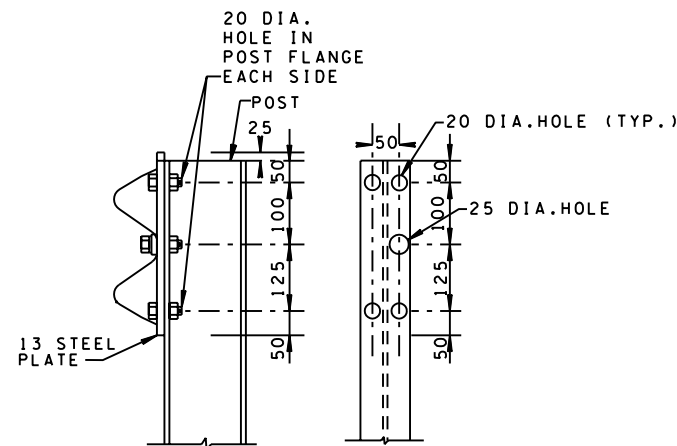
25 DIA. HOLES IN
RAIL AND THROUGH
POST FLANGE FOR
3RD BOLT; ATTACHED
TO STEEL PLATE WITH
16 DIA. HEX BOLTS,
50 LONG WITH SQUARE
WASHER



FRONT VIEW

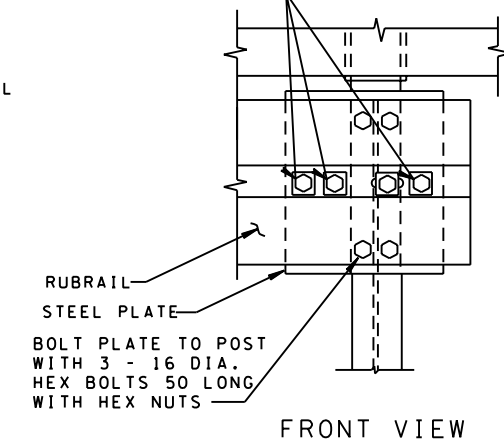


PLAN

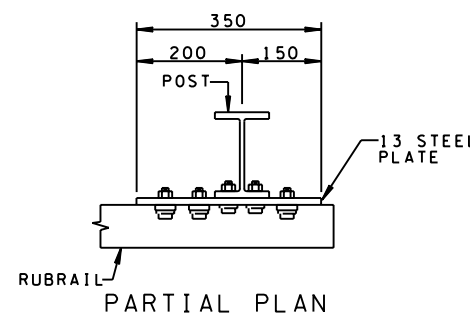


ELEVATION POST HOLE
PATTERN
POST ① & ②
ANCHOR DETAIL

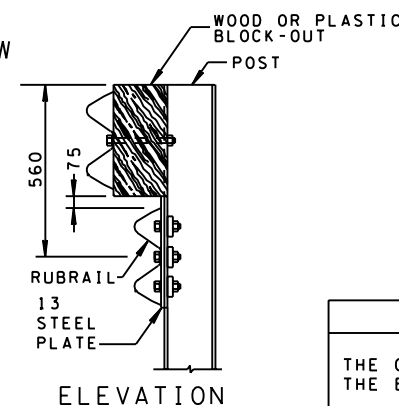
25 DIA. HOLES IN
RAIL AND THROUGH
POST FLANGE; ATTACHED
TO STEEL PLATE WITH 16
DIA. HEX BOLTS, 50 LONG
WITH SQUARE WASHER



FRONT VIEW

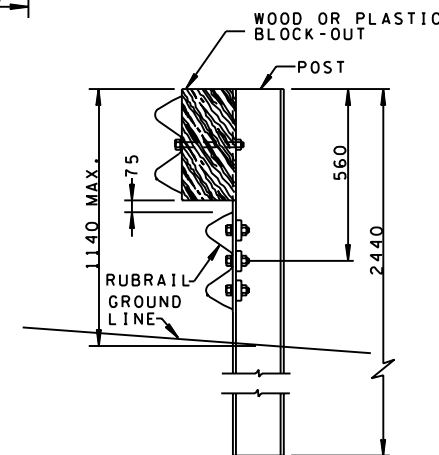


PARTIAL PLAN

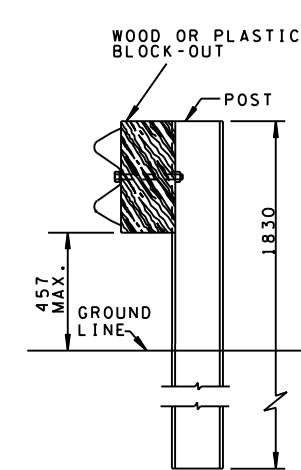


ELEVATION

POST ③
ANCHOR DETAIL



TYPICAL ELEVATION
WITH RUBRAIL



TYPICAL ELEVATION WITH
SINGLE RAIL

GENERAL NOTES

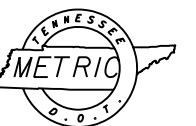
- UNIT PRICE FOR ITEM NO. 705M04.02 GUARDRAIL TERMINAL (TYPE 12) PER EACH SHALL INCLUDE COSTS OF FURNISHING AND INSTALLING ALL COMPONENTS AS DETAILED, COMPLETE IN PLACE.
- WHEN PLACING GUARDRAIL ON A 10:1 OR FLATTER SLOPE, THE HEIGHT OF THE GUARDRAIL SHALL BE HELD CONSTANT RELATIVE TO THE GROUND DIRECTLY UNDER THE FACE OF THE GUARDRAIL.
- ALL POSTS SHALL BE 1800 FOR SINGLE RAIL INSTALLATION.
- WHEN USING THE BURIED END SECTION, THE DESIGN MUST PROVIDE A MINIMUM OF 23m FROM WHERE THE GUARDRAIL CROSSES THE DITCH LINE TO THE BEGINNING OF THE HAZARD.
- MAINTAIN THE FLARE OF THE GUARDRAIL UNTIL THE 300 COVER HAS BEEN ATTAINED. IF THE 300 COVER CANNOT BE ATTAINED BEFORE THE RAIL IS 2100 BEHIND THE BOTTOM OF THE DITCH, THEN SLOPE THE GUARDRAIL FROM THE POINT WHERE IT CROSSES THE DITCH TO WHERE IT IS 2100 BEHIND THE DITCH, SO THAT IT HAS 300 OF COVER.

SPECIAL DITCH NOTE

THE CONTRACTOR IS TO ADD A RUBRAIL WHENEVER THE CLEARANCE FROM THE BOTTOM OF THE W-BEAM TO THE GROUND LINE EXCEEDS 457.

SPECIAL INSTALLATION NOTE

FOR THE GUARDRAIL TERMINAL ANCHOR (TYPE 12) ALTERNATE TO FUNCTION AS IT WAS CRASH TESTED UNDER NCHRP-350 TEST LEVEL 3, IT MUST BE CONSTRUCTED PER STANDARD DRAWING SM-GR-19A.



ALL UNITS ARE IN MILLIMETERS
UNLESS NOTED OTHERWISE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GUARDRAIL
TERMINAL ANCHOR,
BURIED IN BACKSLOPE
TYPE 12 ALTERNATE

10-06-06 SM-GR-19B