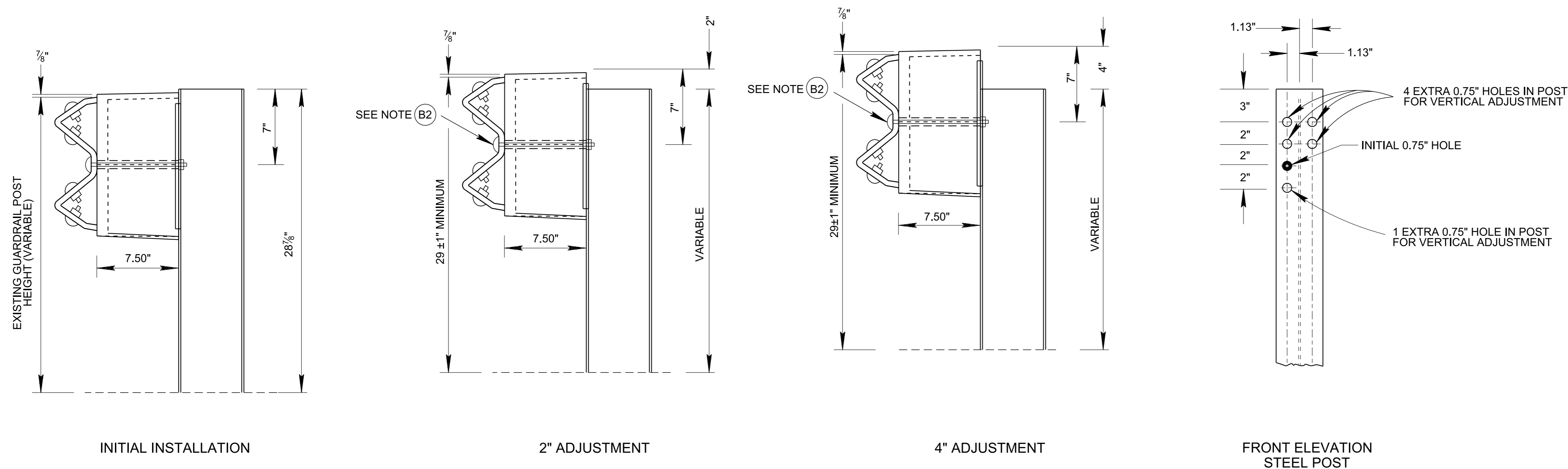


THIS DRAWING IS TO BE USED FOR RESURFACING, MAINTENANCE, AND BRIDGE REPAIR PROJECTS ONLY, THIS DRAWING IS NOT INTENDED TO BE USED FOR NEW CONSTRUCTION OR RECONSTRUCTION PROJECTS.

GUARDRAIL HEIGHT ADJUSTMENT
(USING EXISTING ADJUSTMENT HOLES)



ADJUSTABLE STEEL POSTS AND BLOCK-OUTS

GUARDRAIL HEIGHT ADJUSTMENT TABLE		
EXISTING HEIGHT	ADJUST.	FINAL
24"	4"	28"
* 25"	4"	29"
* 26"	2"	28"
* 27"	2"	29"

* GUARDRAIL HEIGHTS 25" OR MORE MAY REMAIN ON EXISTING ROADWAYS WITH POSTED SPEED LIMITS < 45 MPH AT LOCATIONS WITH NO CRASH HISTORY.

INSTALLATION NOTES FOR BLOCK-OUTS WITH HORIZONTAL ADJUSTMENT HOLES

(B1) THE INITIAL INSTALLATION WILL REQUIRE ONE 5/8" DIAMETER X 9 1/2" LONG BUTTON HEAD BOLT WITH ROUND STEEL WASHER.

(B2) THE FIRST ADJUSTMENT AND THE SECOND ADJUSTMENT WILL REQUIRE TWO 5/8" DIAMETER X 9 1/2" LONG BUTTON HEAD BOLTS. EACH BOLT WILL REQUIRE ONE ROUND STEEL WASHER.

GENERAL NOTES

(A) SEE STANDARD DRAWING S-GR28-2 FOR ADDITIONAL POST DETAILS AND SPECIFICATIONS.

(B) SEE STANDARD DRAWING S-GR31-1A FOR ADDITIONAL BOLT, WASHER AND NUT DETAILS AND SPECIFICATIONS.

(C) THE METAL POST SHOWN ON THIS SHEET MAY BE USED WITH WOOD OR COMPOSITE BLOCK-OUTS.

(D) ONLY RECYCLED PLASTIC OR WOOD GUARDRAIL BLOCK-OUTS LISTED ON THE TENNESSEE DEPARTMENT OF TRANSPORTATION'S QUALIFIED PRODUCTS LIST SHALL BE USED. SHOULD IT BECOME NECESSARY TO CHANGE THE BLOCK-OUT TYPE ON A GIVEN PROJECT, THE BLOCK-OUTS SHOULD NOT BE MIXED ON A GIVEN RUN OF GUARDRAIL.

(E) UP TO 4" BLOCKOUT ADJUSTMENTS HAS BEEN EVALUATED UNDER MASH TL-3.

□ MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

GUARDRAIL HEIGHT
ADJUSTMENT