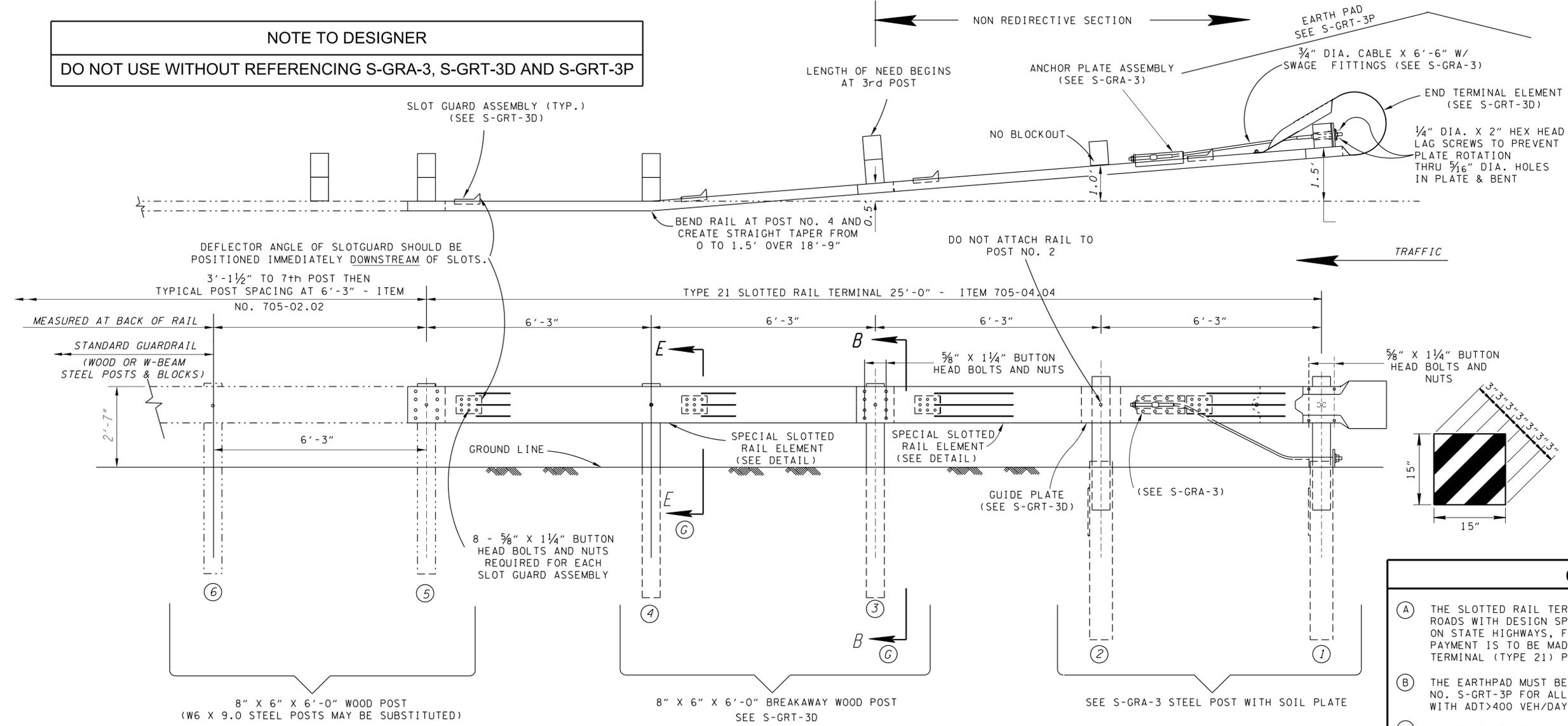


NOTE TO DESIGNER
DO NOT USE WITHOUT REFERENCING S-GRA-3, S-GRT-3D AND S-GRT-3P

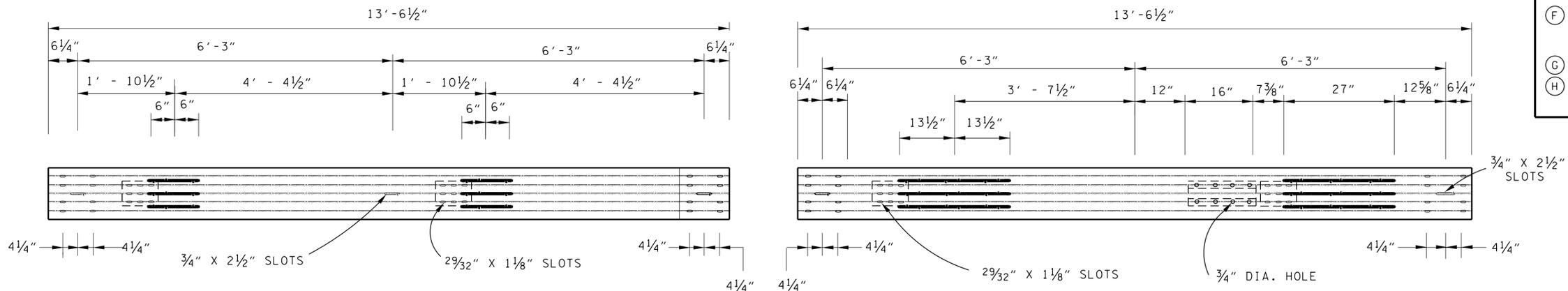


DO NOT USE ON HIGHWAYS

BLACK STRIPES AT 45° TOWARD THE TRAVELED WAY.
 BACKGROUND: YELLOW (IN ACCORDANCE WITH STANDARD SPECIFICATION 916.06)

- GENERAL NOTES**
- (A) THE SLOTTED RAIL TERMINAL (TYPE 21) SHALL BE USED ONLY ON ROADS WITH DESIGN SPEED \leq 40 MPH. DO NOT USE TYPE 21 TERMINAL ON STATE HIGHWAYS, FEDERAL HIGHWAYS, OR INTERSTATE HIGHWAYS. PAYMENT IS TO BE MADE UNDER ITEM NO. 705-04.04 GUARDRAIL TERMINAL (TYPE 21) PER EACH.
 - (B) THE EARTH PAD MUST BE CONSTRUCTED PER STANDARD DRAWING NO. S-GRT-3P FOR ALL NEW GRADE AND DRAIN PROJECTS FOR PROJECTS WITH ADT > 400 VEH/DAY.
 - (C) THE POST OFFSET DIMENSIONS ARE GIVEN TO THE CENTER OF THE TRAFFIC FACE OF THE BLOCKOUTS, EXCEPT AT THE FIRST TWO POSTS, WHERE THE DIMENSION IS TO THE CENTER OF THE TRAFFIC FACE OF THE POST. OFFSET POINTS ARE TO BE LOCATED BY CHORD MEASUREMENTS AT THE BACK OF THE RAIL EQUAL TO THE NOMINAL POST SPACINGS SHOWN. POSTS ARE TO BE SET APPROXIMATELY RADIAL TO THE RAILINGS AT EACH POST LOCATION.
 - (D) OMIT THE RECTANGULAR WASHER BETWEEN BUTTON HEAD BOLT AND RAIL ON POST NOS. 2 THROUGH 6.
 - (E) SAFETY PERFORMANCE OF SLOTTED GUARDRAIL TERMINAL IS ACCEPTABLE ACCORDING TO THE TL-2 EVALUATION CRITERIA SPECIFIED IN NCHRP REPORT 350.
 - (F) COST OF W-BEAM GUARDRAIL BETWEEN POST 5 AND 6 TO BE INCLUDED IN THE COST OF TYPE 21 TERMINAL EXCEPT AT MINIMUM INSTALLATION SHOWN ON S-GRC-2.
 - (G) SEE S-GRT-3D FOR DETAILS.
 - (H) FIRST 12'-6" FROM END IS GATING. DO NOT INCLUDE THIS SECTION IN LENGTH OF NEED.

SLOTTED W-BEAM GUARDRAIL ELEMENT DETAILS



SECOND SECTION OF GUARDRAIL FOR SLOTTED TERMINAL

FIRST SECTION OF GUARDRAIL FOR SLOTTED TERMINALS