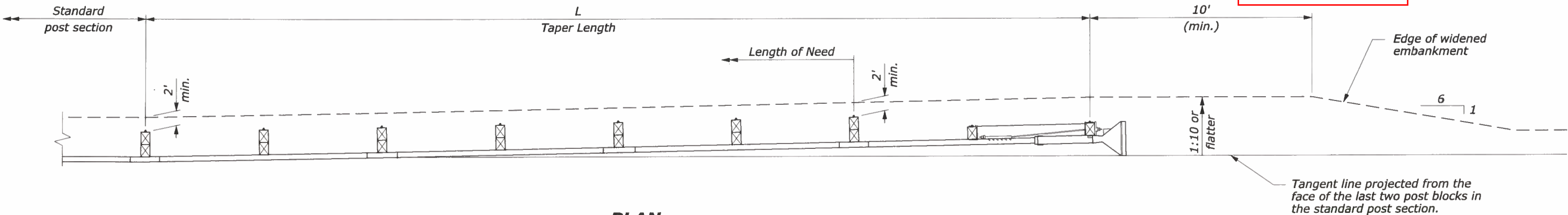


# AS-BUILT DRAWINGS

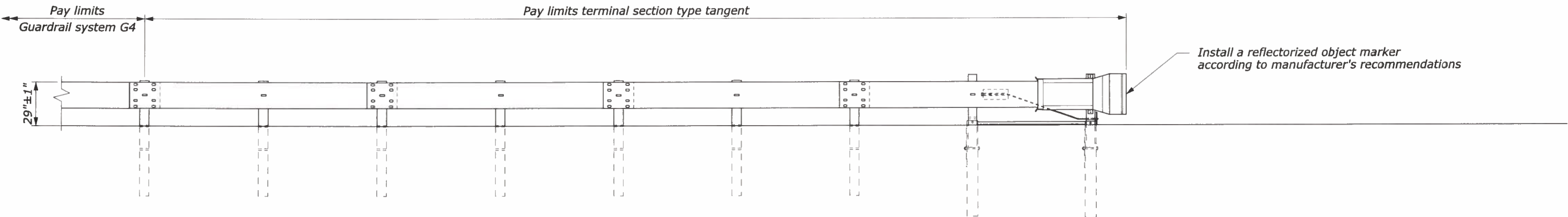
## NOTES:

- Details shown are to be used as a general guide since manufacturer's details may vary. Install a tangent G4 W-beam guardrail terminal that meets NCHRP-350 or MASH requirements per manufacturer's recommendations. Ensure that terminal meets appropriate test level for the project.
- Install 50' terminal at a 1:50 taper, to position the end farther away from the edge of the shoulder, or use a taper per manufacturer's recommendations.
- See manufacturer's drawings for other details.

Note: Work was constructed as designed unless otherwise noted.



PLAN



ELEVATION

TEST LEVEL	L (ft)
2 ( $\leq 45$ mph)	25
3 ( $> 45$ mph)	37.5



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *[Signature]* Expiration Date of the License: 4/30/18

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
CENTRAL FEDERAL LANDS HIGHWAY DIVISION

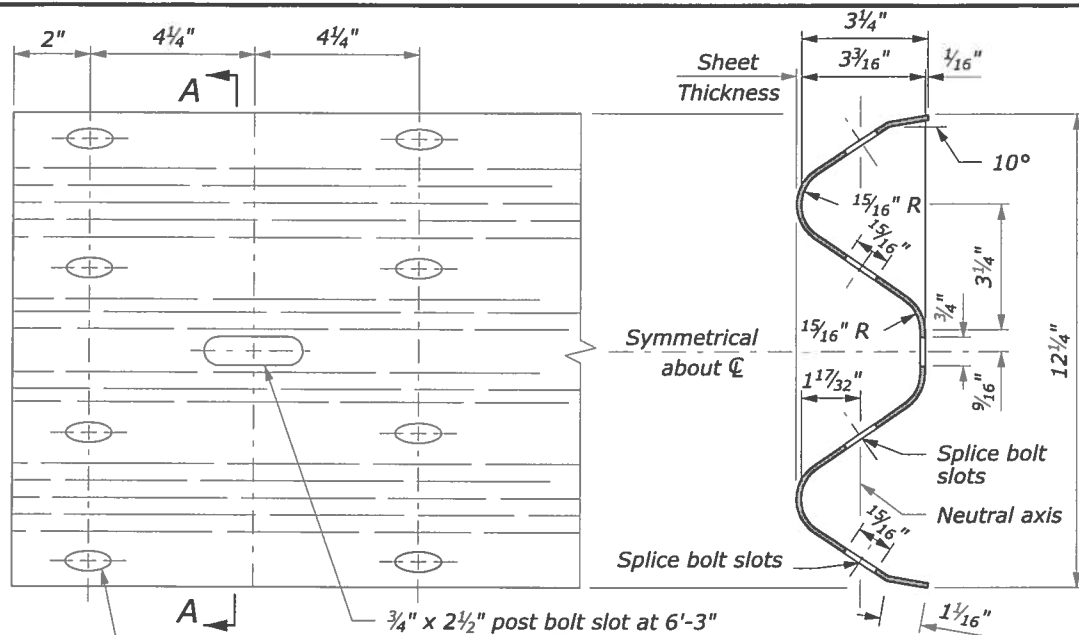
U.S. CUSTOMARY SPECIAL

**G4 W-BEAM GUARDRAIL  
TYPE TANGENT TERMINAL**

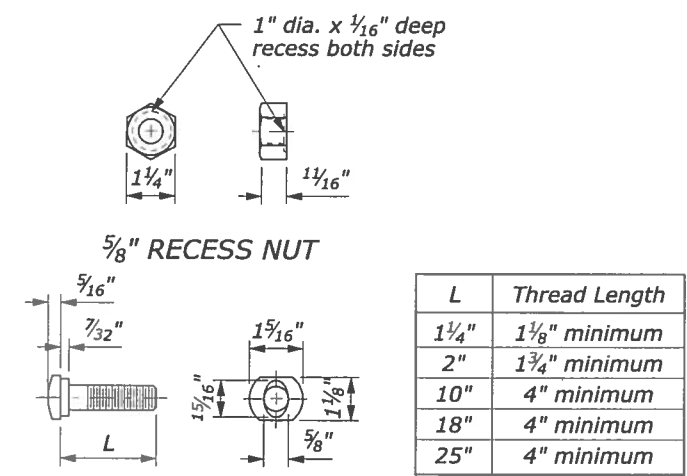
SPECIAL  
617-A

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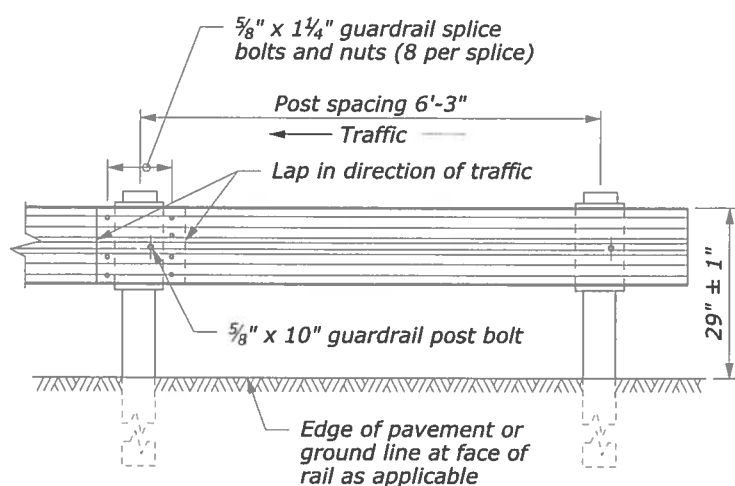
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W BEAM RAIL



GUARDRAIL BOLT AND RECESS NUT



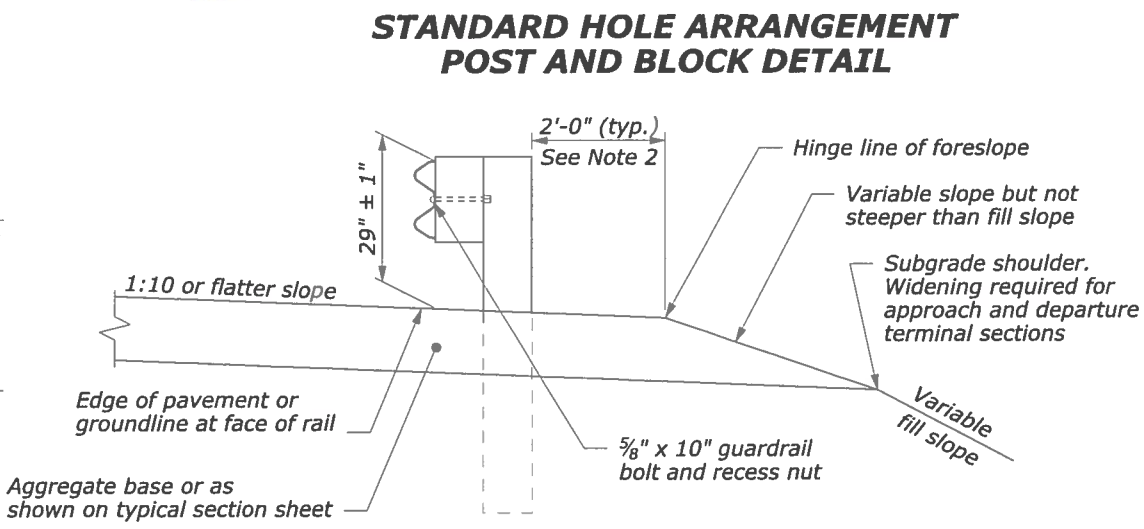
POST SPACING  
STANDARD POST SECTION



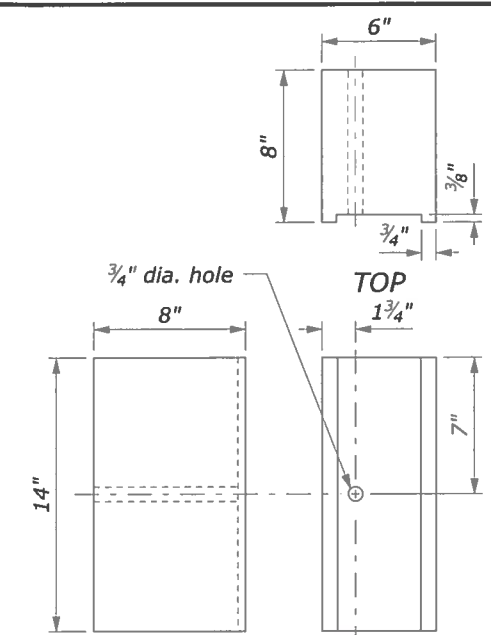
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *[Signature]* 4/30/18

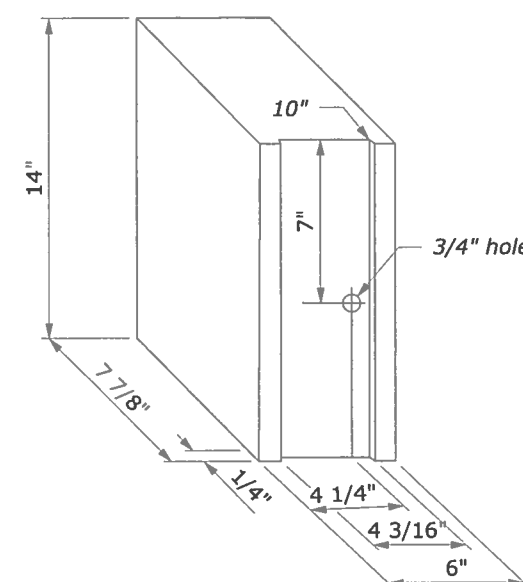
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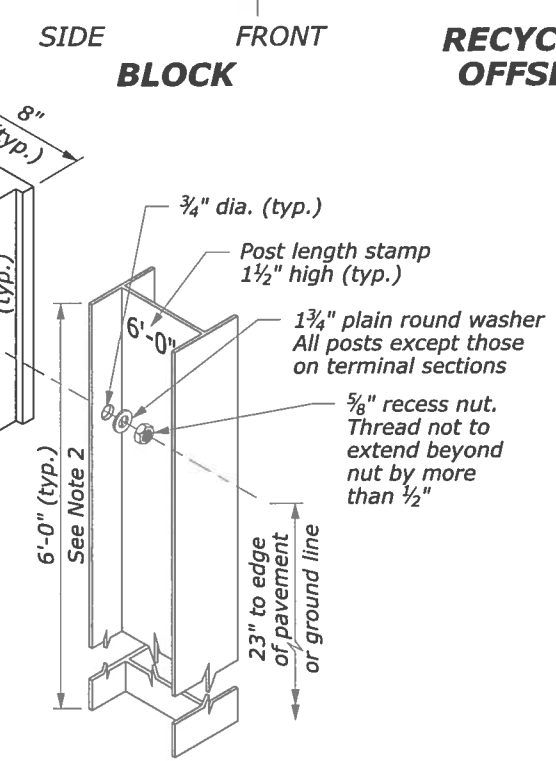
TYPICAL GUARDRAIL CROSS SECTION



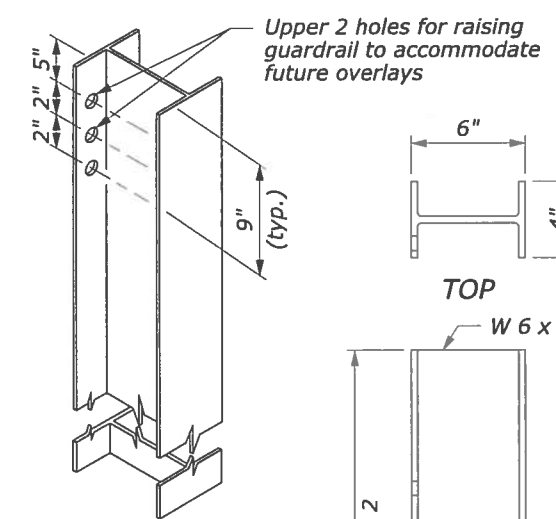
RECYCLED POLYETHYLENE  
OFFSET BLOCK (TYPE II)



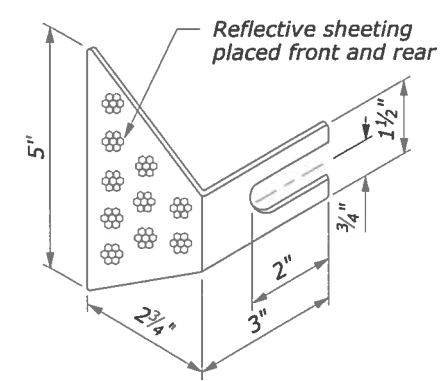
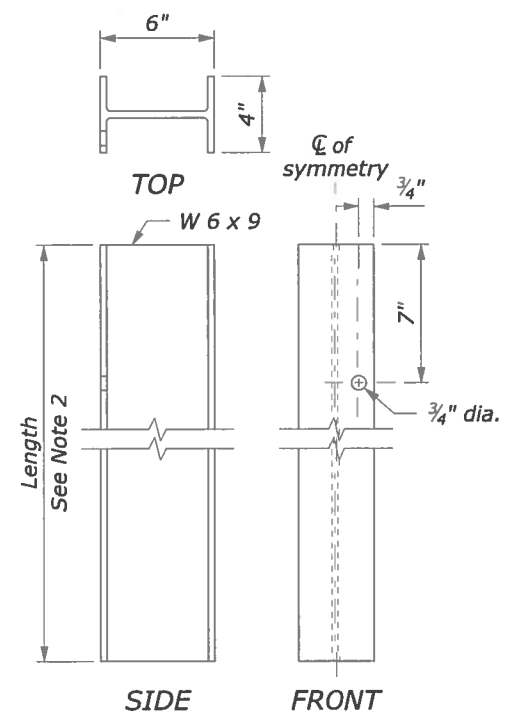
STANDARD HOLE ARRANGEMENT  
POST AND BLOCK DETAIL



ALTERNATE HOLE  
ARRANGEMENT  
POST AND BLOCK  
DETAIL



STRUCTURAL SHAPE POST  
(STANDARD HOLE ARRANGEMENT)



REFLECTOR TAB  
(See Note 4)

NOTES:

1. When encountering impenetrable material, see Standards 617-13 or 617-24.
2. Install reflector tab between post bolt and rail, every fourth post. Alternate reflector tab shapes are acceptable.
3. Modified block will be recycled polyethylene and will be used throughout the length of the guardrail run.
4. Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance, and accepted manufacturing practices.

Note: Work was constructed as designed unless otherwise noted.

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U.S. CUSTOMARY SPECIAL  
G4 W-BEAM GUARDRAIL  
STEEL POSTS

SPECIAL  
617-B

AS-BUILT DRAWINGS