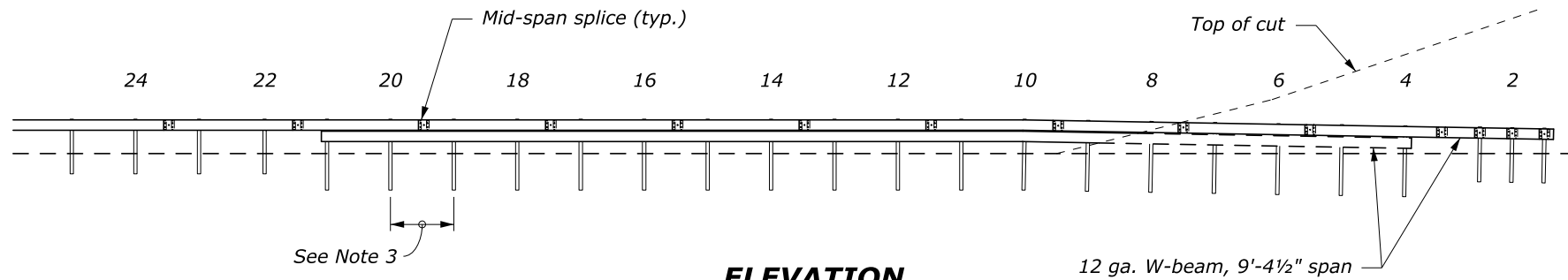


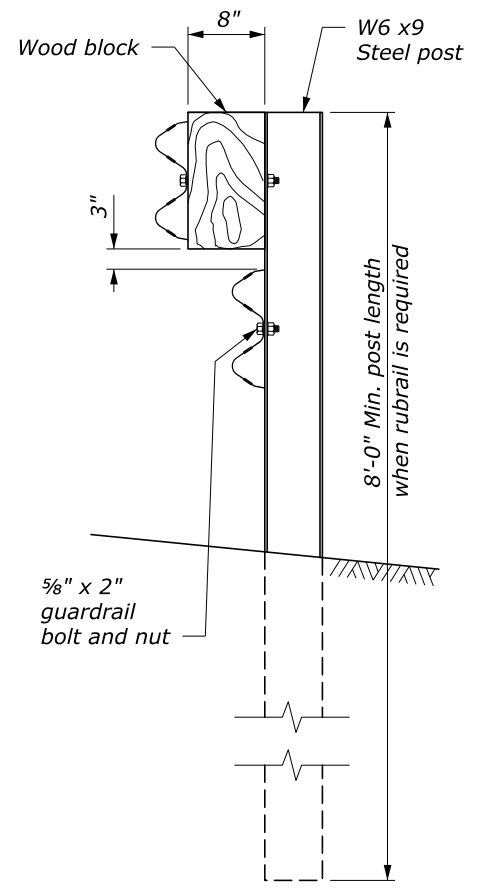
**PLAN**

- NOTES:**
1. See Detail ET 617-31 for other details.
  2. Rail height changes 16 inches from Post 10 to Post 1 to achieve 12 inches of soil coverage at Post 1.
  3. Typical post spacing is 6 feet and 3 inches unless otherwise noted.

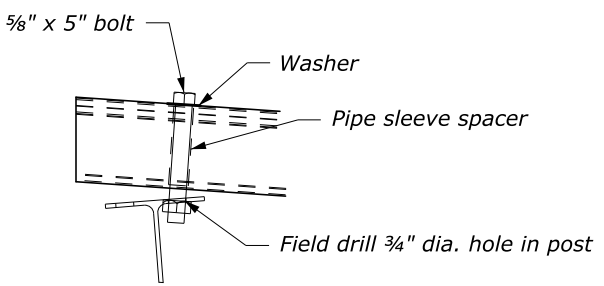
POST OFFSETS FROM EDGE OF SHOULDER	
POST	DISTANCE
1	13'-11 3/4"
4	10'-11"
6	8'-10 1/4"
10	69"



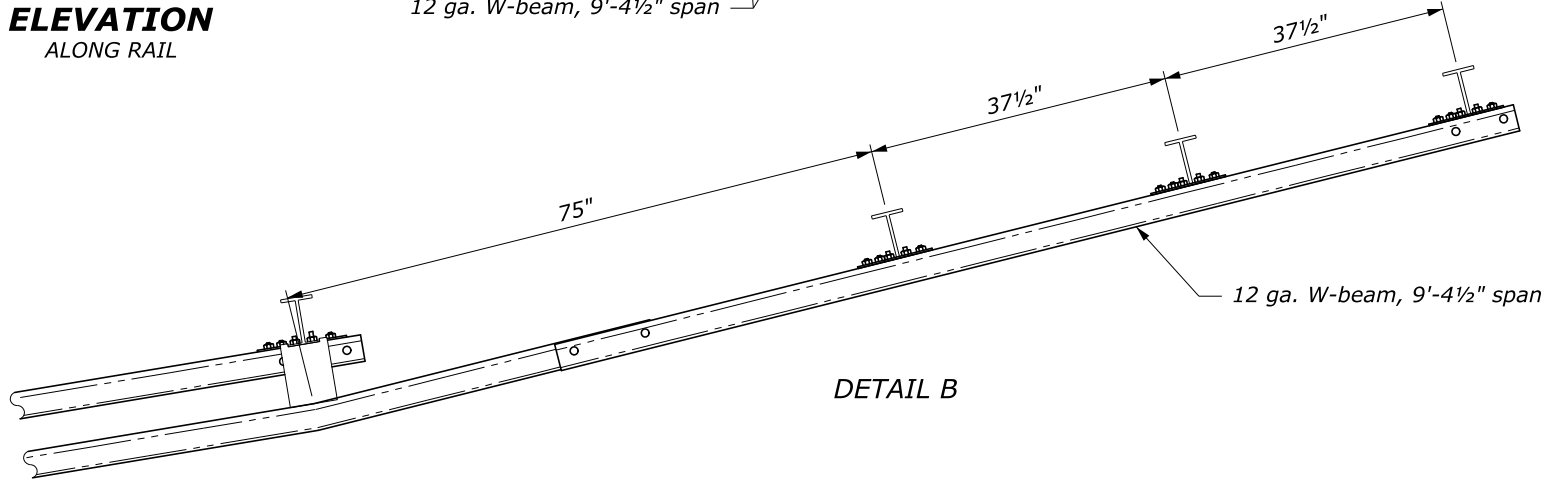
**ELEVATION ALONG RAIL**



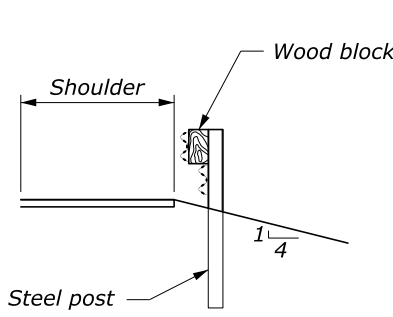
**ELEVATION STEEL POST AND BLOCK DETAIL**



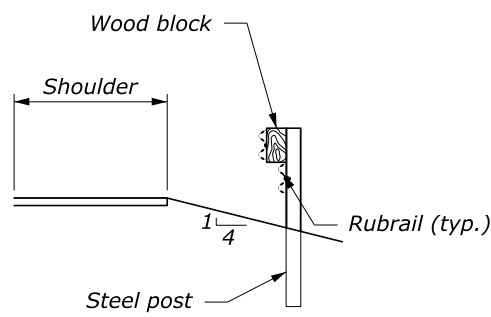
**DETAIL A**



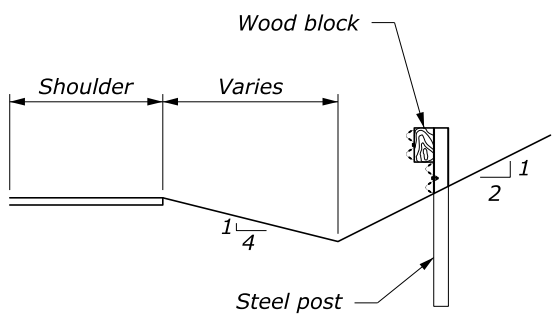
**DETAIL B**



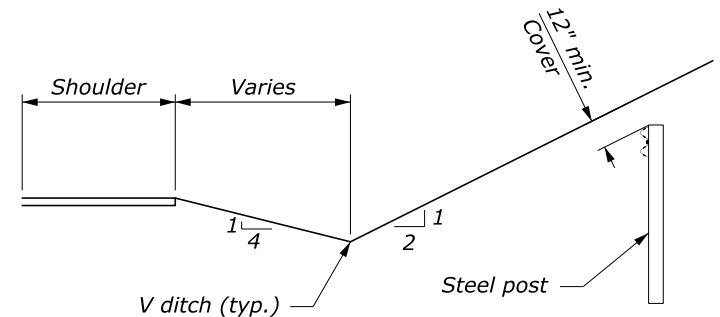
**SECTION A-A**



**SECTION B-B**



**SECTION C-C**



**SECTION D-D**

NO SCALE

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

U.S. CUSTOMARY DETAIL

**MGS W-BEAM GUARDRAIL  
 BACK SLOPE ANCHOR TERMINAL  
 TYPE MGS-BAT**

Sheet 1 of 2

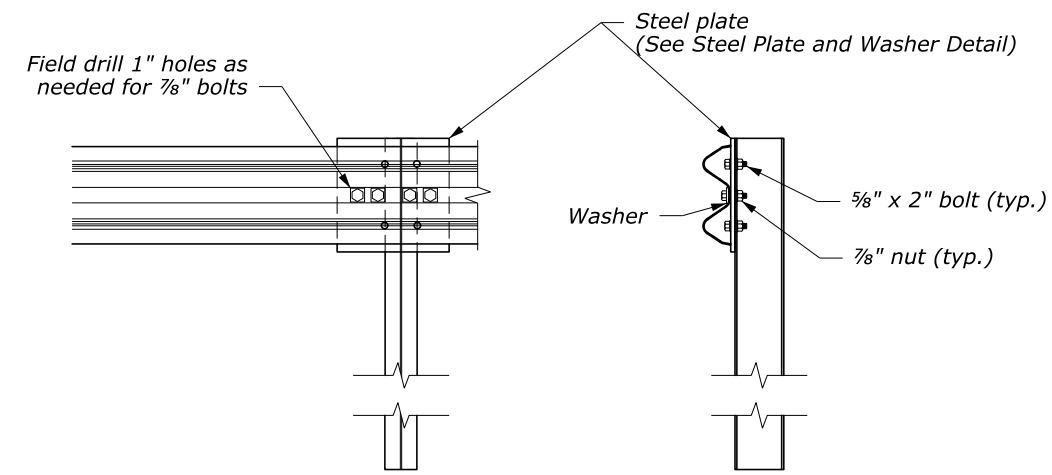
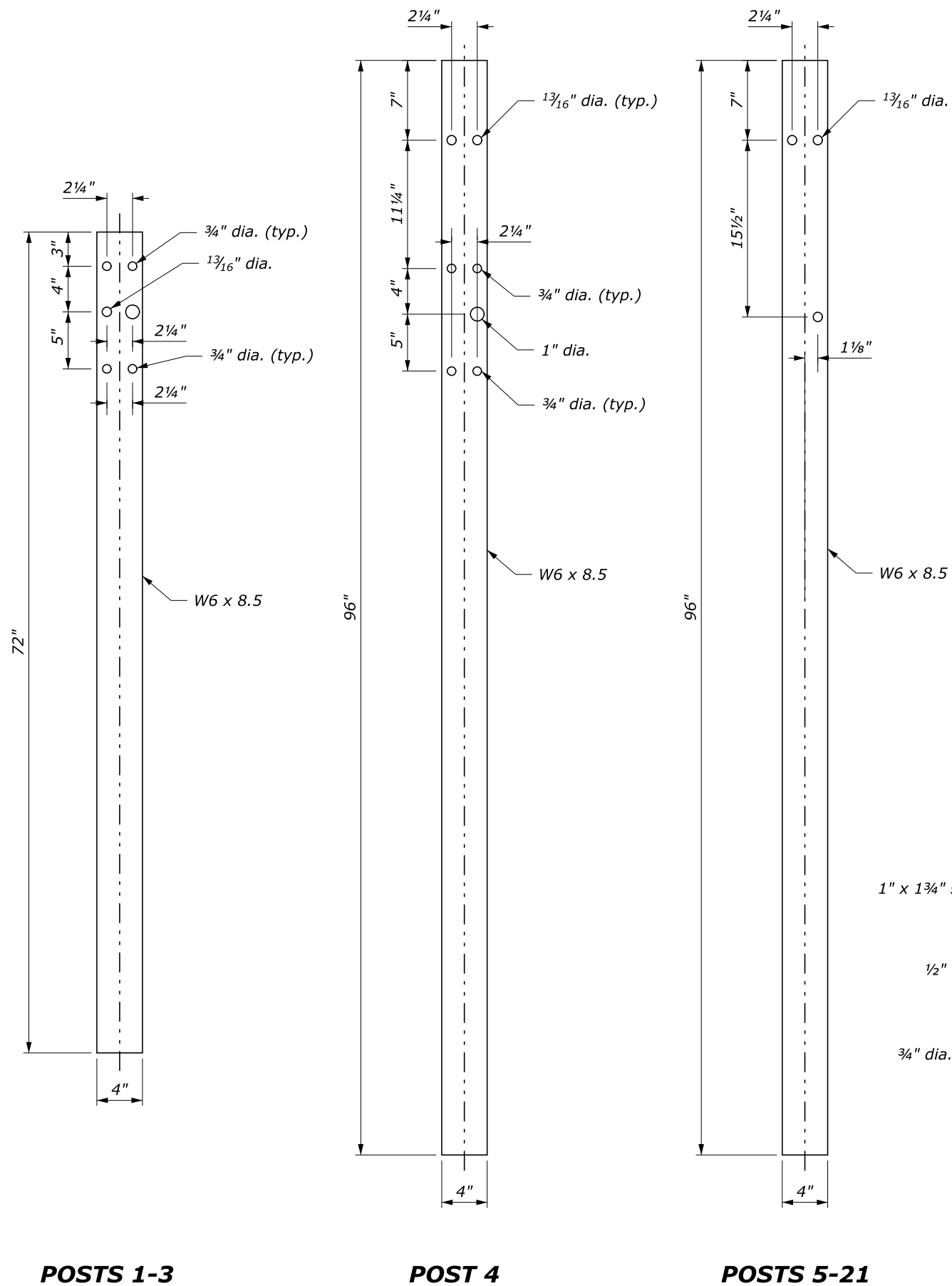
DETAIL APPROVED FOR USE 2/2019  
 REVISOR: 4/2019 2/2020

DETAIL ET 617-18

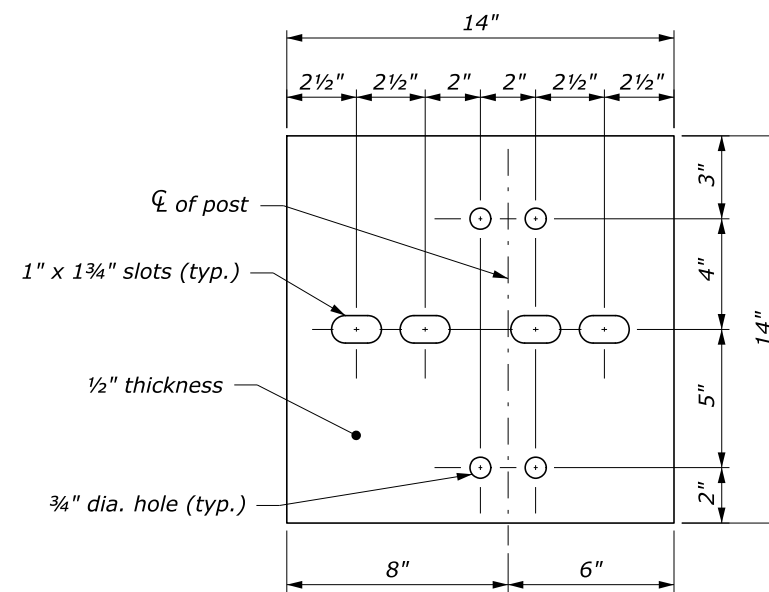
06-Feb-2020 08:23 AM M:\Standards\_and\_Details\EF\_LHD\_Detail\Drawings\FP-4\Updates\_To\_MGS\_ET\_Detail\_02-2020\61718\_EFL\_TEMP.dgn

**NOTES:**

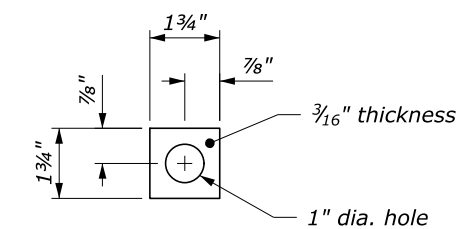
1. See Sheet 1 of 2 for terminal layout.
2. Use zinc rich paint to coat field drilled holes.
3. Anchor plate and hardware are typical on top rail of Posts 1-3 and rub rail at Post 4.



**SPECIAL RAIL TO POST CONNECTION  
AT POSTS 1, 2, AND 3**



**GALVANIZED STEEL PLATE**



**GALVANIZED SQUARE WASHER**

**STEEL PLATE AND WASHER**  
See Note 3

**POSTS 1-3**

**POST 4**

**POSTS 5-21**

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL <b>MGS W-BEAM GUARDRAIL BACK SLOPE ANCHOR TERMINAL TYPE MGS-BAT</b> Sheet 2 of 2	
DETAIL APPROVED FOR USE 2/2019	REVISOR: 4/2019 2/2020
DETAIL ET 617-18	