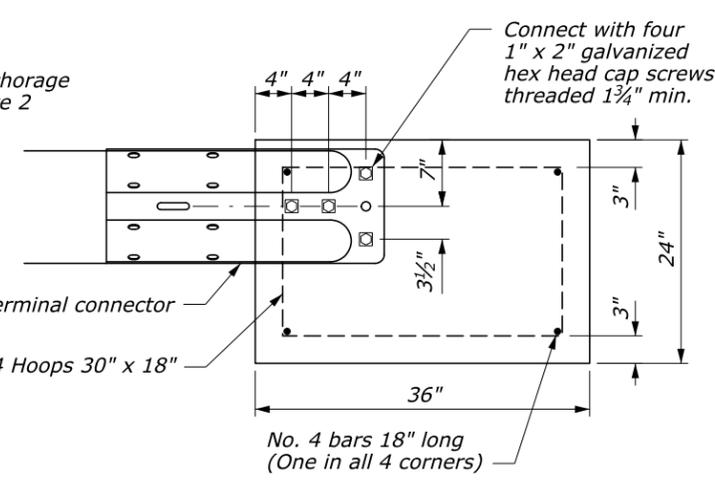
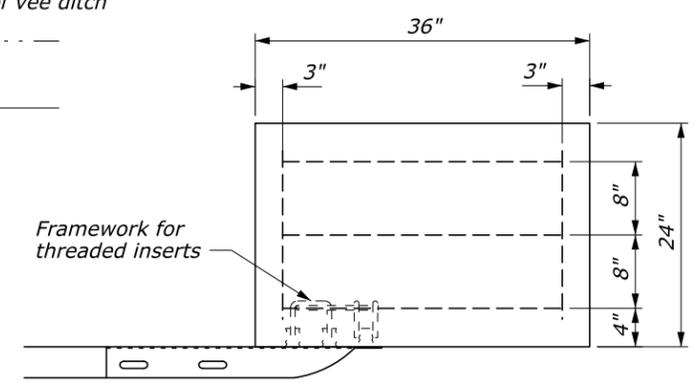
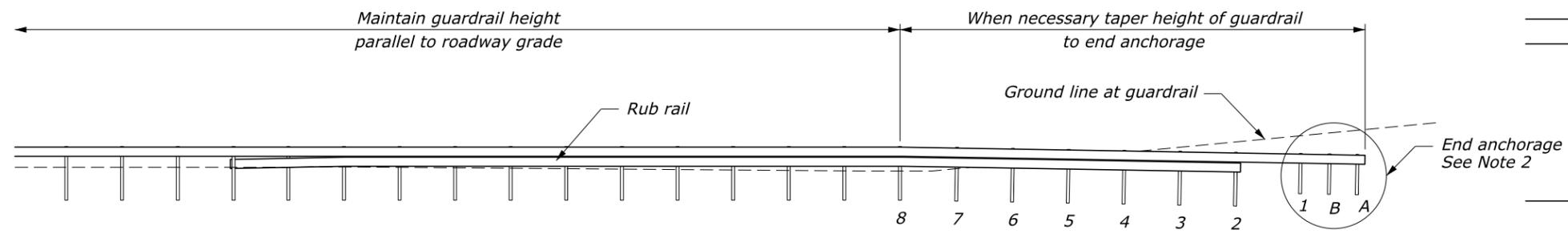
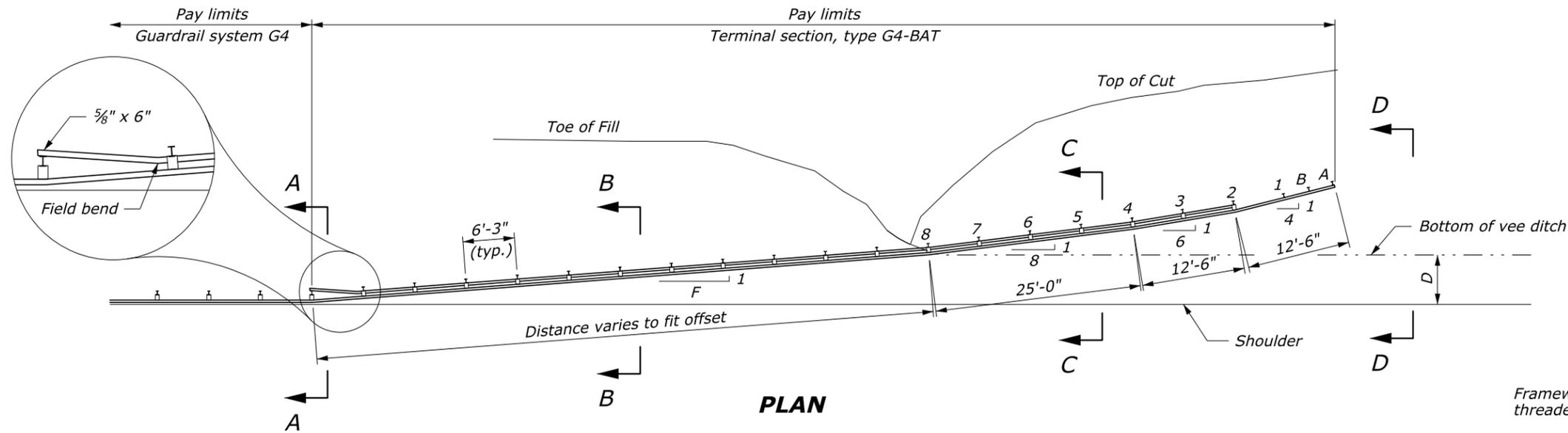


NOTES:

1. See sheet 2 of 2 for post and block details.
2. When alternate concrete block anchor end terminal is used, remove Posts A and B.
3. Add rub rail when clearance between bottom of rail and ground surface exceeds 17½".

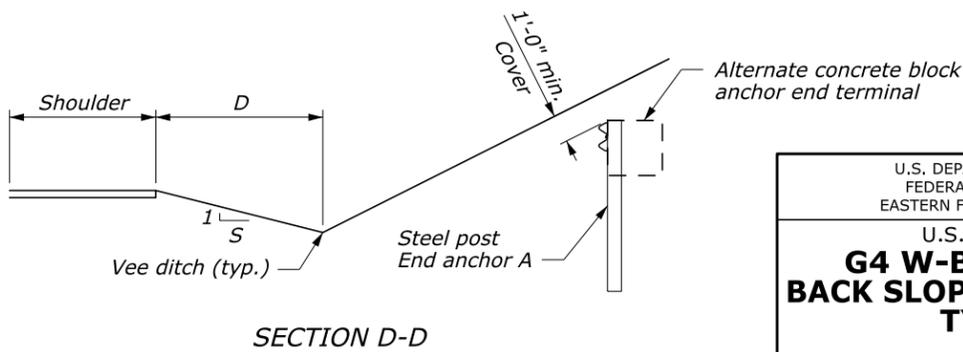
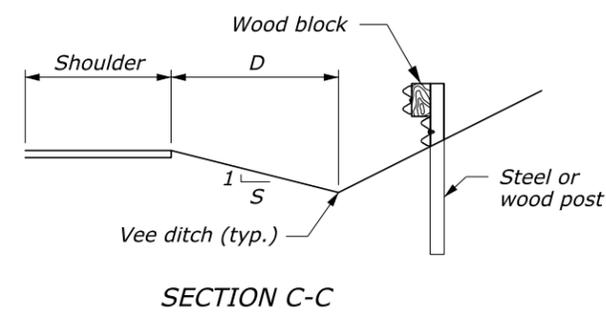
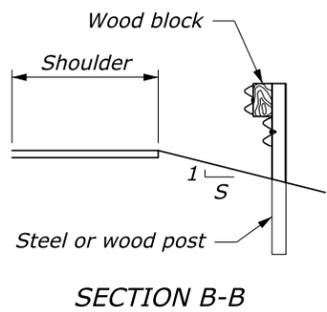
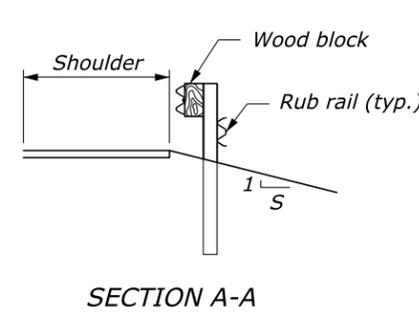


GUARDRAIL FLARE		
DESIGN SPEED MPH	F	
	S = 4	S = 6
70	13	15
60	13	13
55	13	12
50	13	11
45	13	10
35	13	9
≤ 30	13	7

CROSS SECTION DIMENSIONS	
DITCH SLOPE (S)	DITCH WIDTH (D)
4	6'-0"
6	8'-10"

POST OFFSETS FROM VEE DITCH	
POST	DISTANCE
A	8'
#2	5'
#4	3'
#8	0

ALTERNATE CONCRETE BLOCK ANCHOR



NO SCALE

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

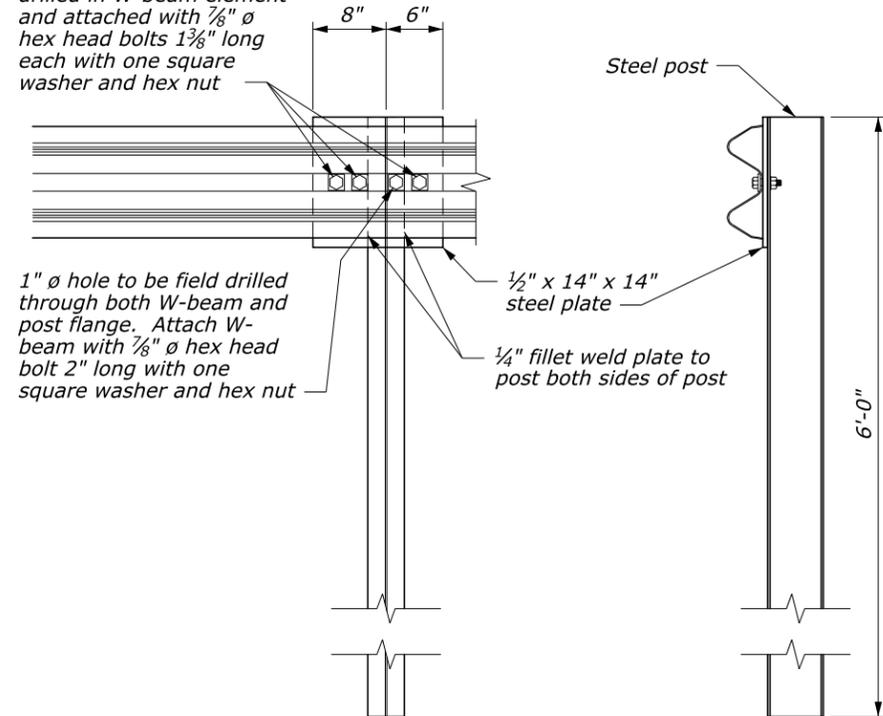
U.S. CUSTOMARY DETAIL
**G4 W-BEAM GUARDRAIL
 BACK SLOPE ANCHOR TERMINAL
 TYPE G4-BAT**
 Sheet 1 of 2

STANDARD APPROVED FOR USE 1/1994
 REVISED: 4/1994 6/2005 9/2014

DETAIL
 ET 617-17

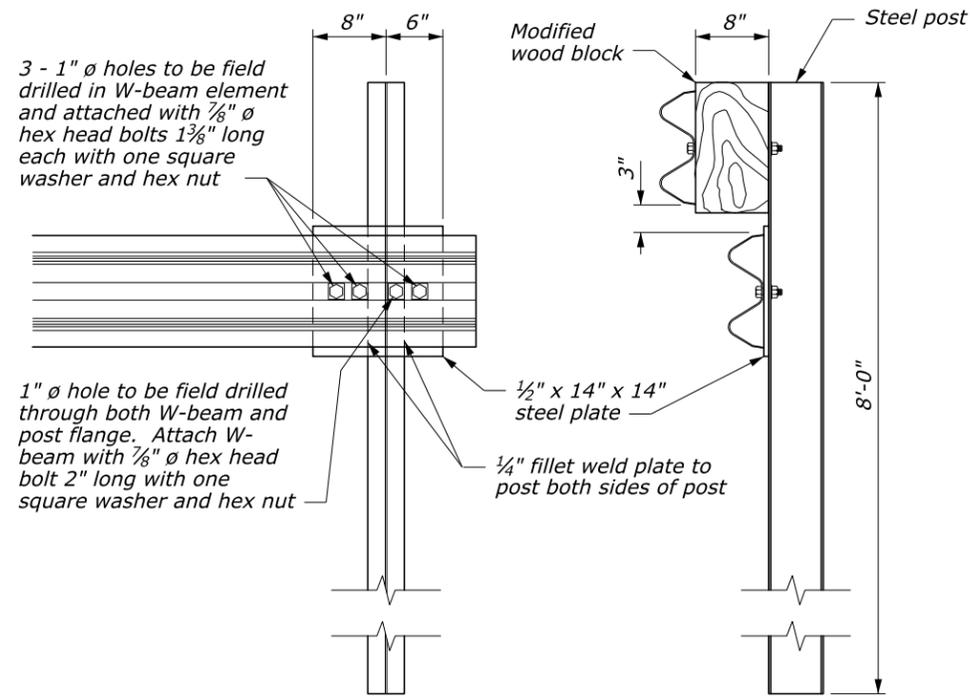
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3 - 1" ϕ holes to be field drilled in W-beam element and attached with $\frac{7}{8}$ " ϕ hex head bolts $1\frac{3}{8}$ " long each with one square washer and hex nut

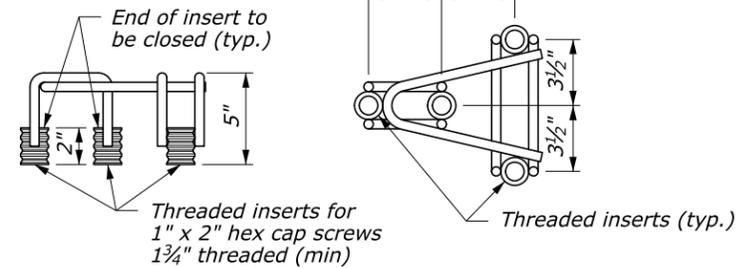


SPECIAL RAIL TO POST CONNECTION AT POSTS A, B, AND 1

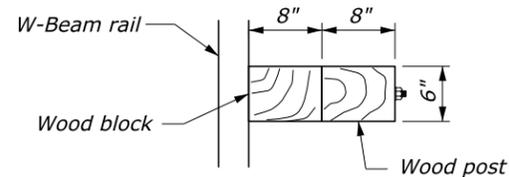
3 - 1" ϕ holes to be field drilled in W-beam element and attached with $\frac{7}{8}$ " ϕ hex head bolts $1\frac{3}{8}$ " long each with one square washer and hex nut



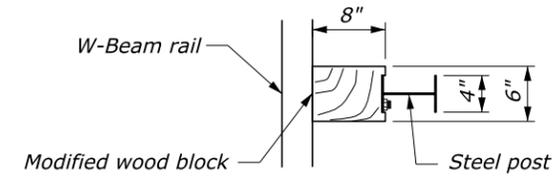
SPECIAL RUBRAIL TO POST CONNECTION AT POST 2



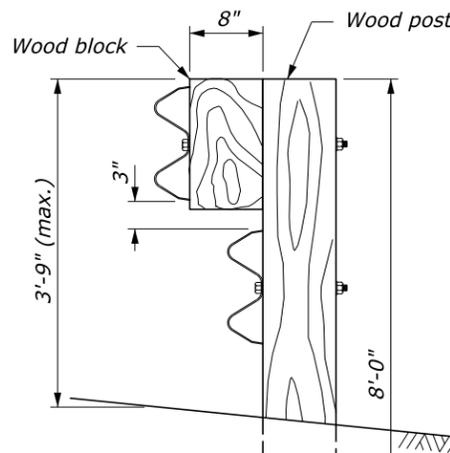
FRAMEWORK FOR THREADED INSERTS



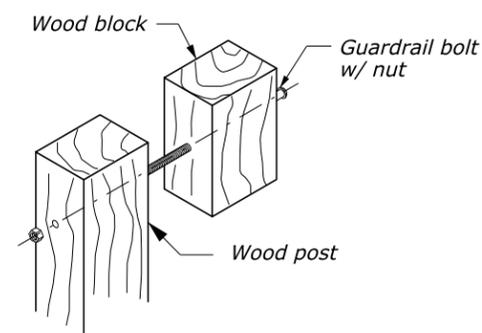
PLAN



PLAN

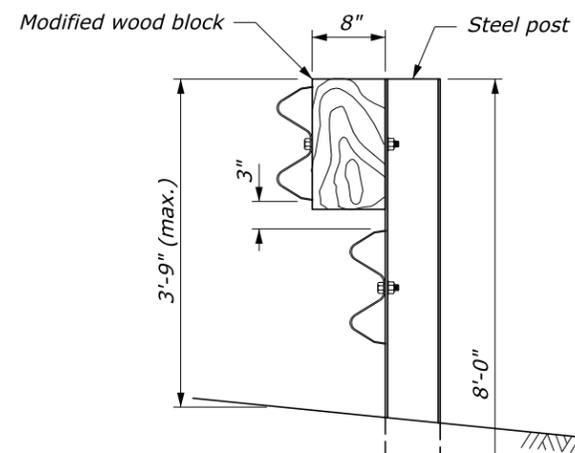


ELEVATION



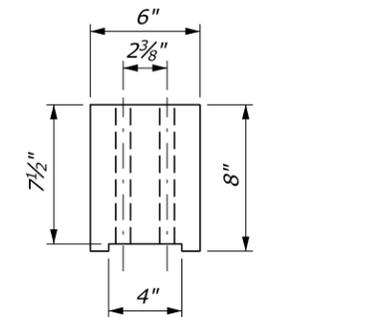
EXPLODED VIEW
(Rail and washer not shown)

WOOD POST AND BLOCK DETAIL

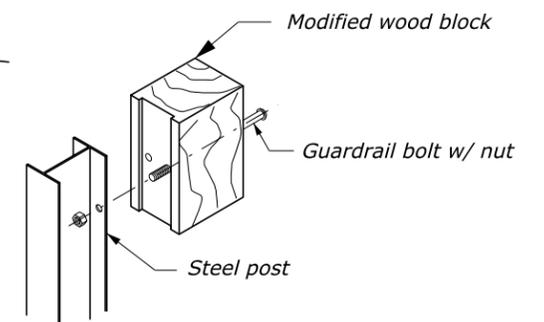


ELEVATION

STEEL POST AND BLOCK DETAIL



MODIFIED WOOD BLOCK



EXPLODED VIEW
(Rail and washer not shown)

NOTES:

1. See sheet 1 of 2 for terminal layout.
2. For posts #3 and higher match post material of adjacent guardrail run unless otherwise noted.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION EASTERN FEDERAL LANDS HIGHWAY DIVISION	
U.S. CUSTOMARY DETAIL G4 W-BEAM GUARDRAIL BACK SLOPE ANCHOR TERMINAL TYPE G4-BAT Sheet 2 of 2	
STANDARD APPROVED FOR USE 1/1994 REVISED: 4/1994 6/2005 9/2014	DETAIL ET 617-17

NO SCALE