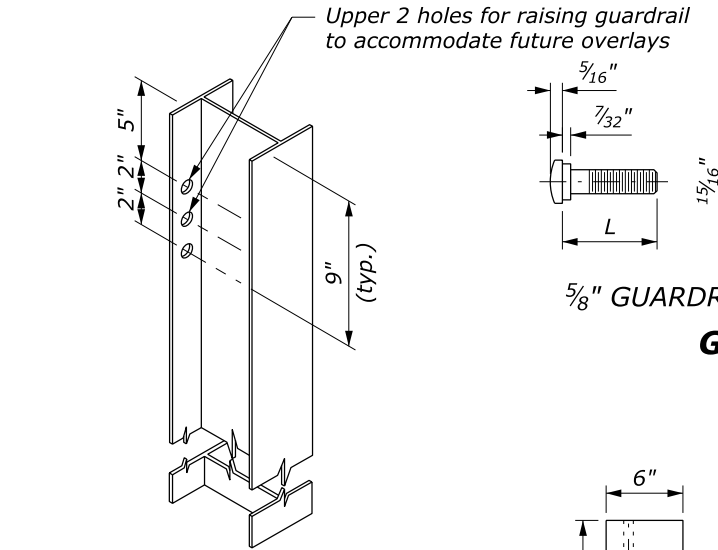
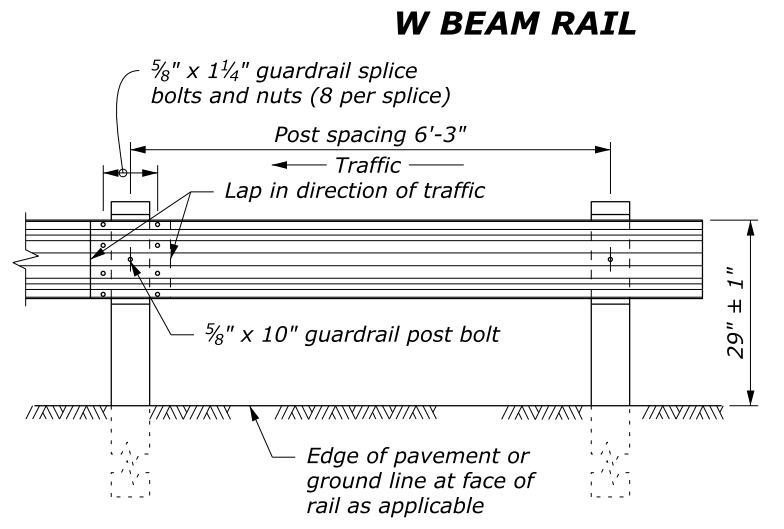
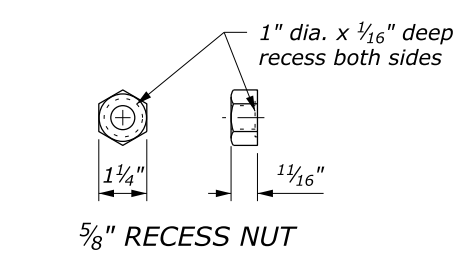


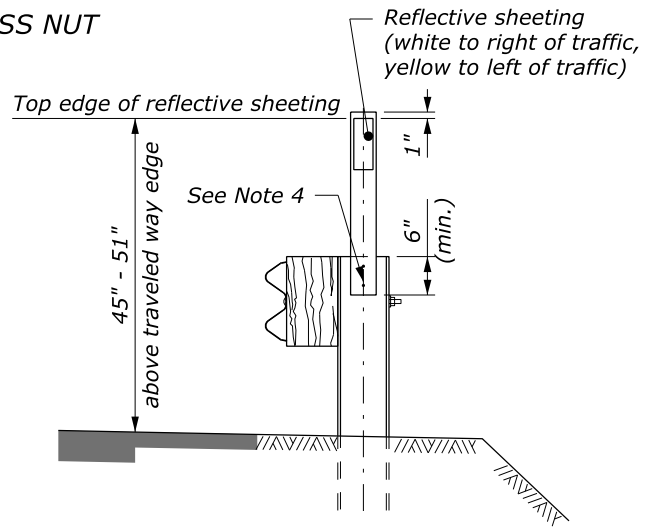
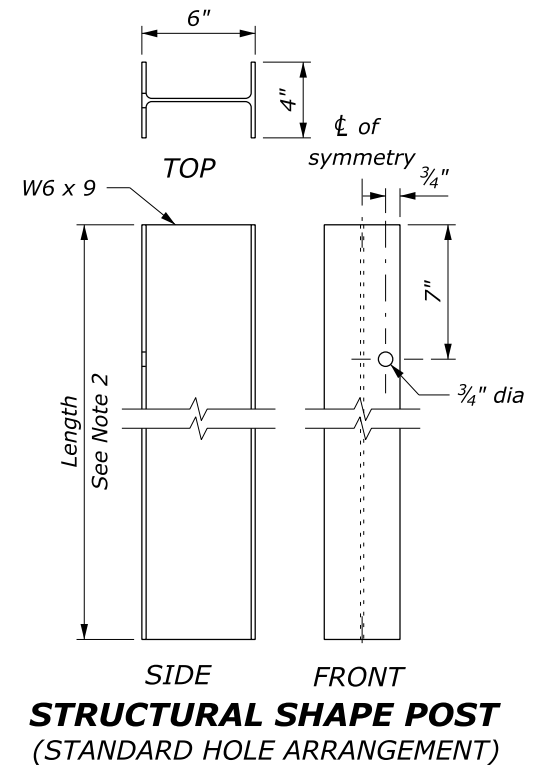
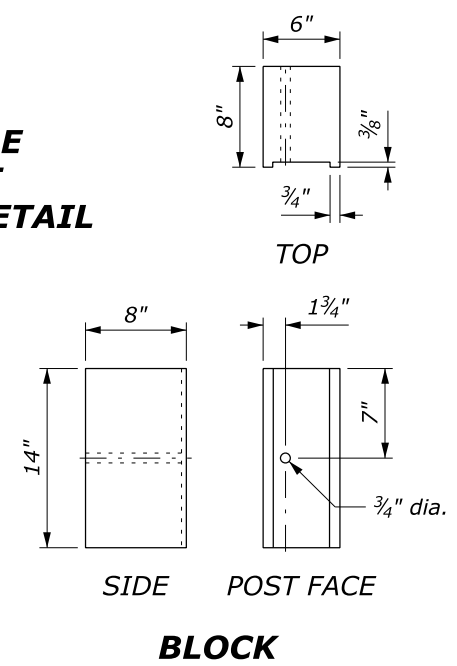
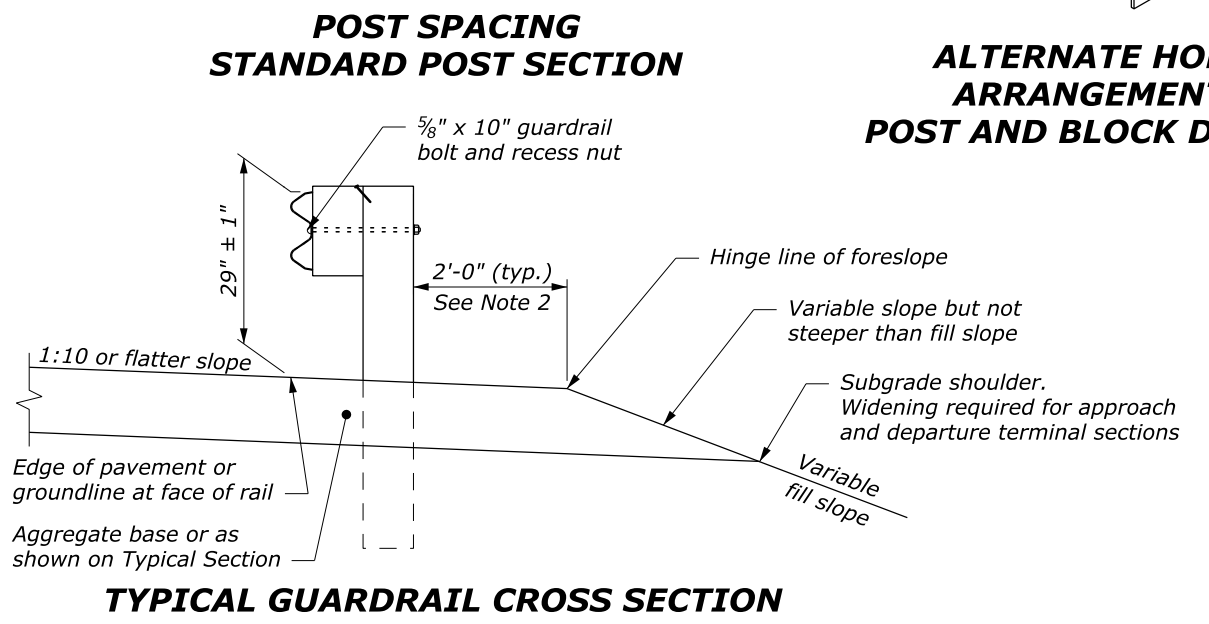
- NOTE:**
- When encountering impenetrable material, see Standards 617-13 or 617-24.
 - See Special Contract Requirements when 7 foot or longer posts are specified.
 - See Special Contract Requirements when the alternative hole arrangement is specified.
 - Install delineator every fourth post. Fasten delineator to post using two galvanized 2" x 3/8" bolts with a washer on both sides, a lock washer, and nut; or fasten as specified by the manufacturer.
 - Modified block may be wood, plastic, or composite material. Use consistent material throughout the length of guardrail run.
 - 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.



L	Thread Length
1 1/4"	1 1/8" minimum
2"	1 3/4" minimum
10"	4" minimum
18"	4" minimum
25"	4" minimum



GUARDRAIL BOLT AND RECESS NUT



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

U.S. CUSTOMARY STANDARD

G4 W-BEAM GUARDRAIL STEEL POSTS

STANDARD APPROVED FOR USE 1/1994

REVISOR: 4/1994 6/2005

DRAFT: 9/2017

STANDARD 617-11

NO SCALE