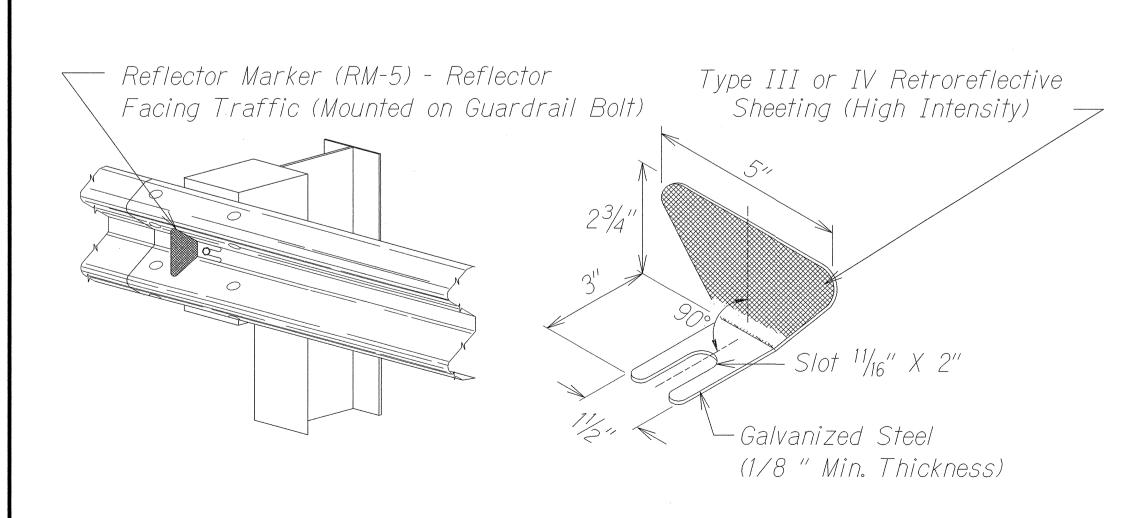
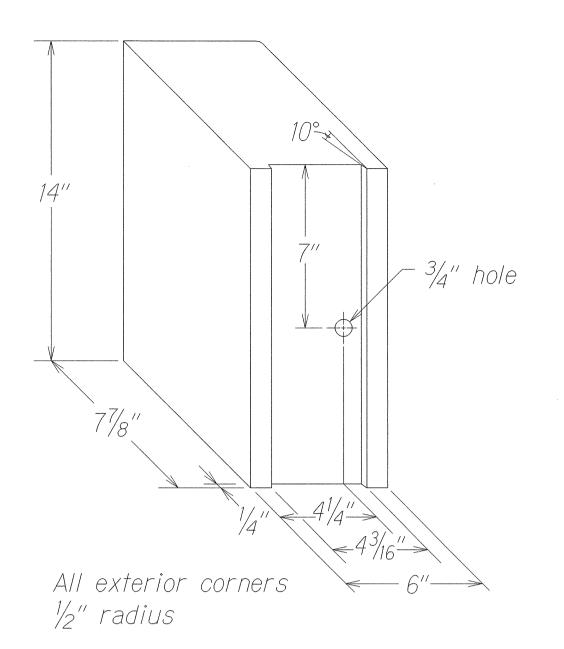


<u>Exploded View</u> (Rail and washer not shown)

## STEEL POST AND BLOCK DETAIL

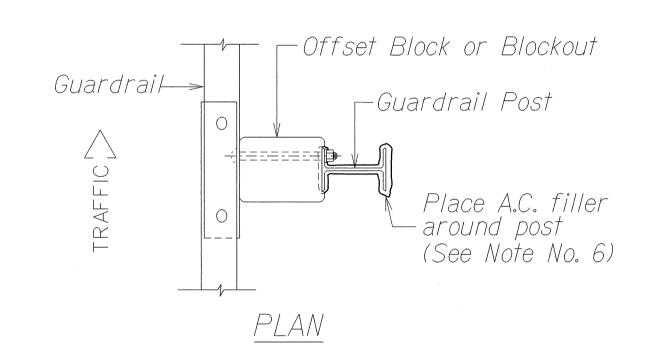


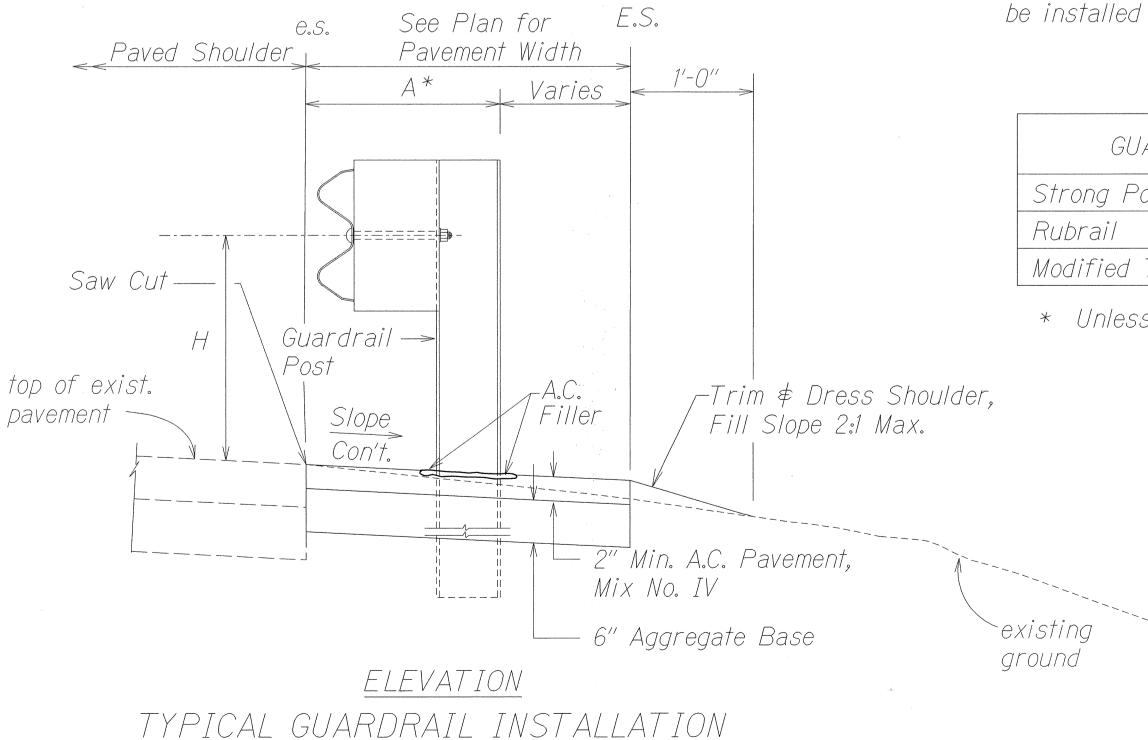
REFLECTOR MARKER (RM-5) DETAIL AND TYPICAL INSTALLATION



RECYCLED POLYETHYLENE

OFFSET BLOCK (TYPE II)





GENERAL NOTES

FED. ROAD<br/>DIST. NO.STATEFED. AID<br/>PROJ. NO.FISCAL<br/>YEARSHEET<br/>NO.TOTAL<br/>SHEETSHAWAIIHAW.50b-02-9920021516

- 1. All hardware, posts and fasteners shall be hot-dip zinc coated galvanized after fabrication. No punching, drilling or cutting will be permitted after galvanizing.
- 2. Where conditions require, special post lengths in increments of 6 inches may be specified.
- 3. All fasteners, posts, and rail elements (i.e. FBB03, PWE01, RWM02a, etc.) shall conform to the latest edition and amendments of "A Guide to Standardized Highway Barrier Rail Hardware," a report prepared and approved by the AASHTO-AGC-ARTBA Joint Cooperative Committee, Subcommittee On New Highway Materials, Task Force 13 Report. Dimensions of fastners, posts and rail elements have been converted from metric units into their present form.
- 4. The Recycled Plastic Block or Offset Block shall be approved by the State.
- 5. All new guardrail systems (system consists of total length of guardrail including both end treatments) shall include the Additional Paved Area.
- 6. After the guardrail posts are installed in the paved area, the Contractor shall fill/seal around each guardrail post and all cracks in the paved area caused during the guardrail post installation. If required by the inspector/engineer, the Contractor shall tamper the paved area around the guardrail post prior to filling/sealing. All costs associated with this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
- 7. New A.C. pavement at guardrails shall extend 6' longitudinally beyond terminal ends unless noted otherwise on plans.
- 8. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 100'-0". Spacing of RM-5's on Horizontal Curves shall comply with Table 3D-1 of the MUTCD 2000. RM-5's shall not be installed on Terminal Sections.

GUARDRAIL TYPE	DIMENSION	
	Н	A *
Strong Post w/W Beam	1'-95/8"	1'-6''
Rubrail	2'-0"	1'-6''
Modified Thrie Beam	2'-0"	2'-0''

\* Unless noted otherwise on plans.

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARDRAIL DETAILS & NOTES

STATE OF HAWAII

KAUMUALII HIGHWAY DRAINAGE IMPROVEMENTS Vicinity of M.P. 22.0

Project No. 50B-02-99

Scale: NTS

SHEET No. 1 OF 1 SHEETS

15

Date: August 2001

