

8

DATE: March 2001

04/05/01

Date

SHEET TOTAL SHEETS

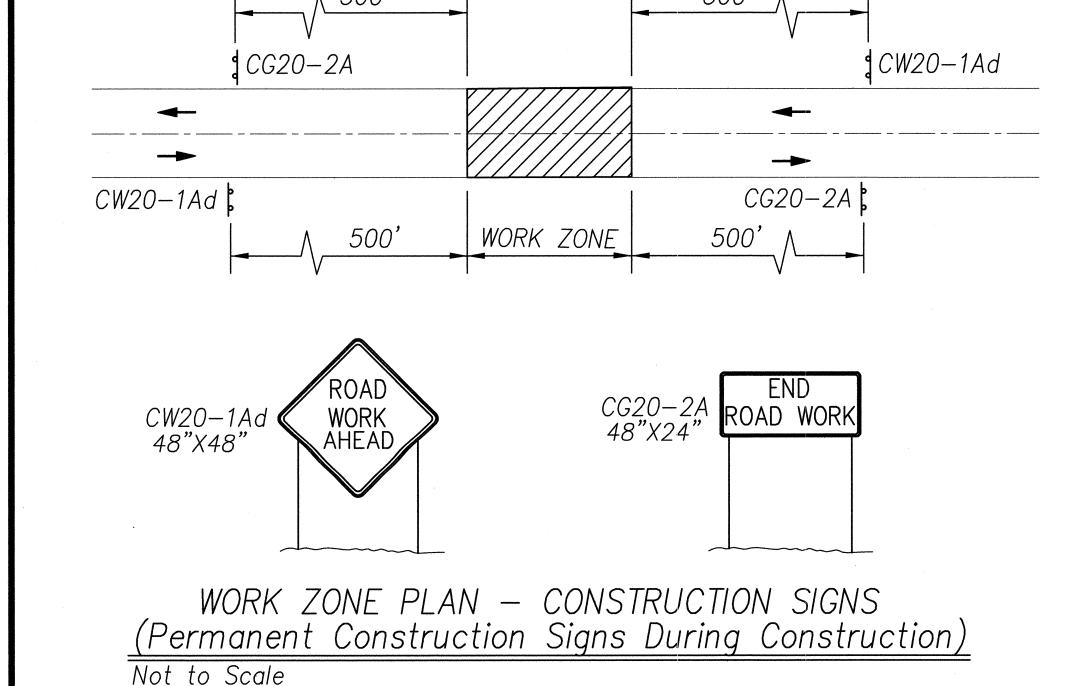
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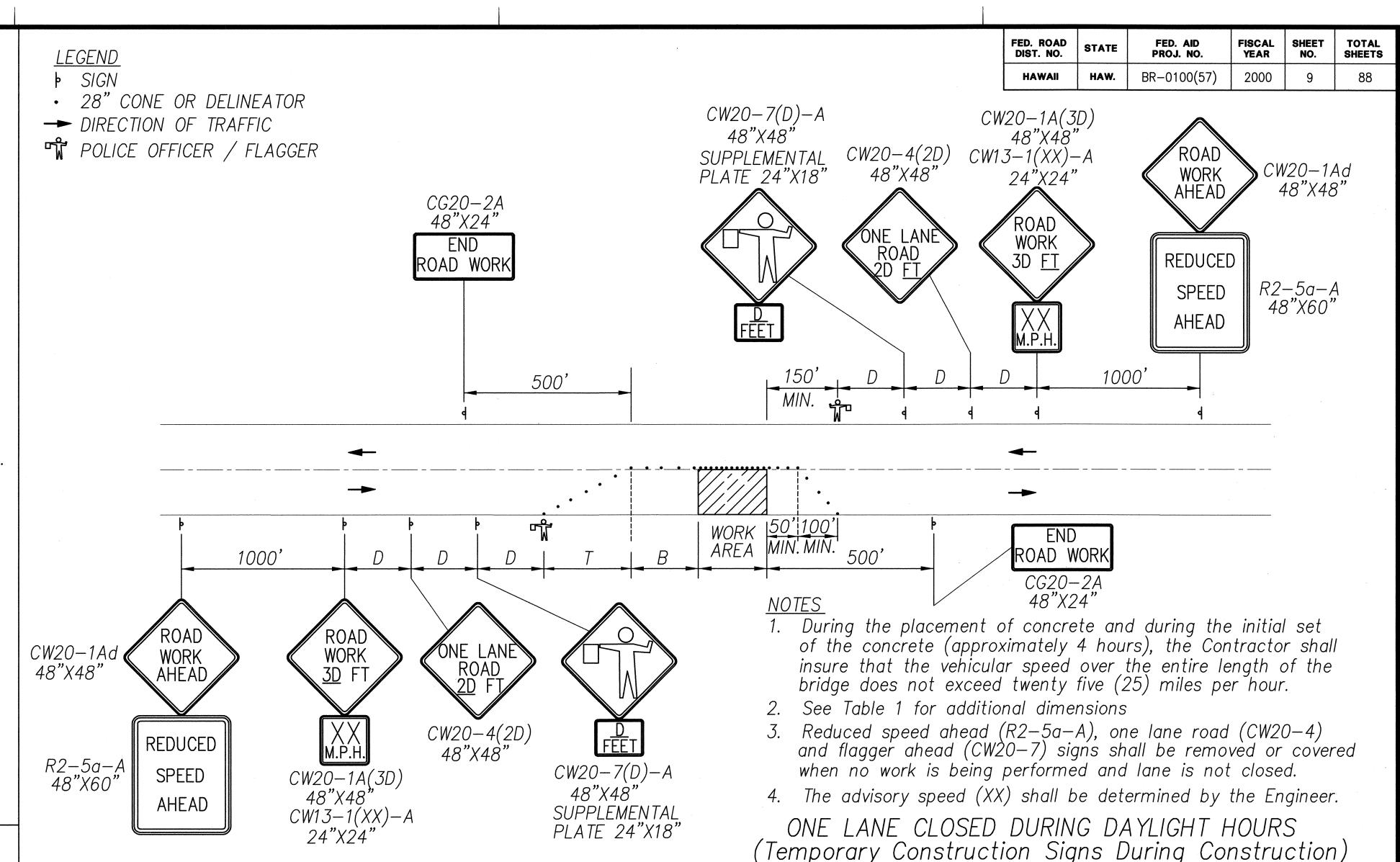
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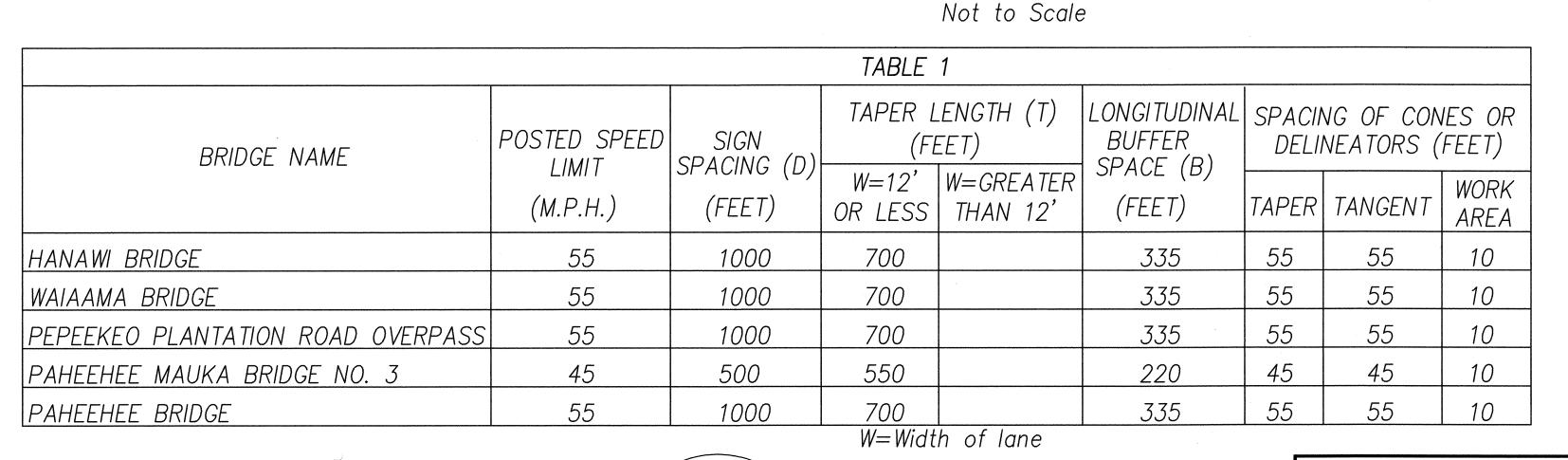
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GENERAL NOTES FOR TRAFFIC CONTROL PLAN

- 1. The contractor shall comply with Subsection 107.13 Public Convenience and Safety of the Standard Specifications for Road, Bridge, and Public Works Construction regarding any traffic lane closure or slowdown of traffic.
- 2. The permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc., to fit field conditions.
- 3. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 4. Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
- 5. Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon completion of the work.
- 6. Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- 7. Signs spacings (L), taper lengths (T) and spacings of cones or delineators shall be as shown in Table 1, unless otherwise noted on the traffic control plans.
- 8. All traffic lanes shall be a minimum of 10 feet wide.
- 9. All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- 10. The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
- 11. At the end of each day's work or as soon as the work is completed, the permittee shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
- 12. Replace permanent pavement markings and traffic signs upon completion of each phase of work.







ME OR UNDER MY SUPERVISION

REDUCED PLAN
(HALF SIZE)

1 2 3

3 INCHES ON ORIGINAL PLAN

THIS WORK WAS EREPARED BY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

HAWAII BELT ROAD

SEISMIC RETROFIT OF VARIOUS BRIDGES

VICINITY OF PEPEEKEO, HAWAII — UNIT 1

FEDERAL AID PROJECT NO. BR—0100(57)

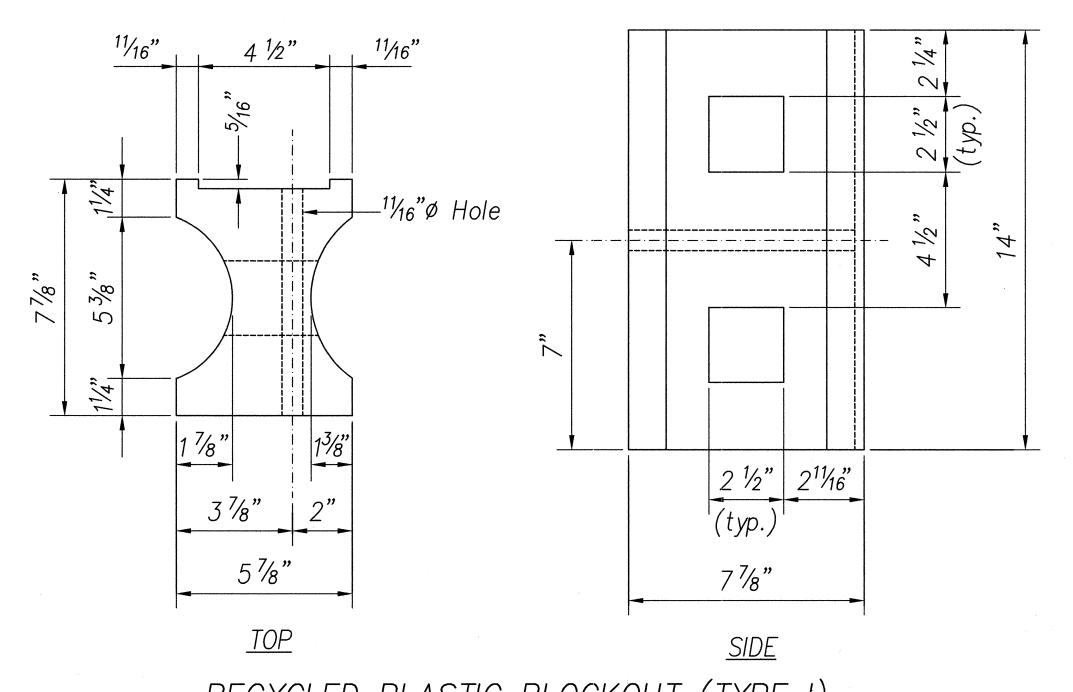
SCALE: AS NOTED

DATE: March 2001

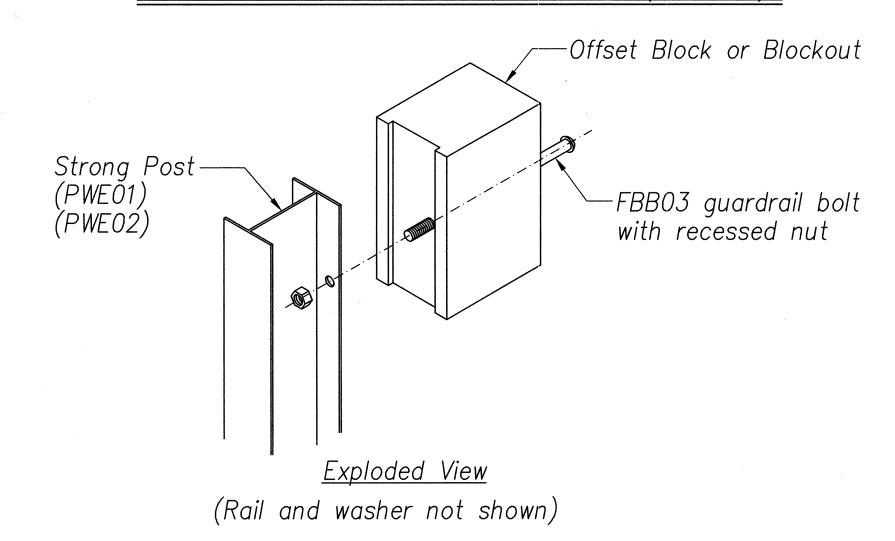
SHEET No. C2.1 OF 5 SHEETS

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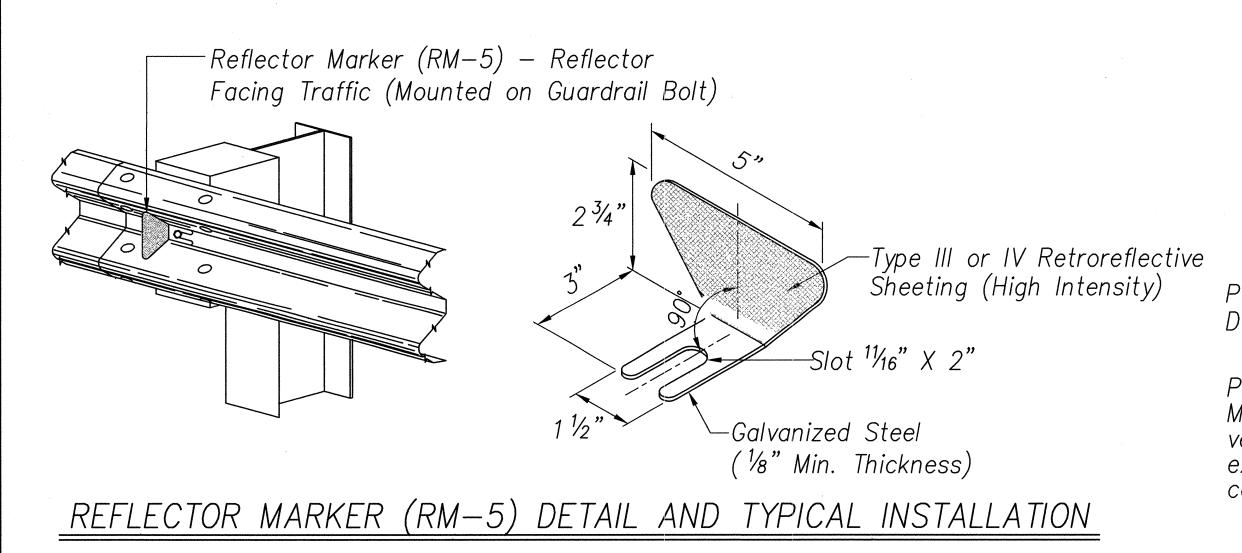
SURVEY PLOTTE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

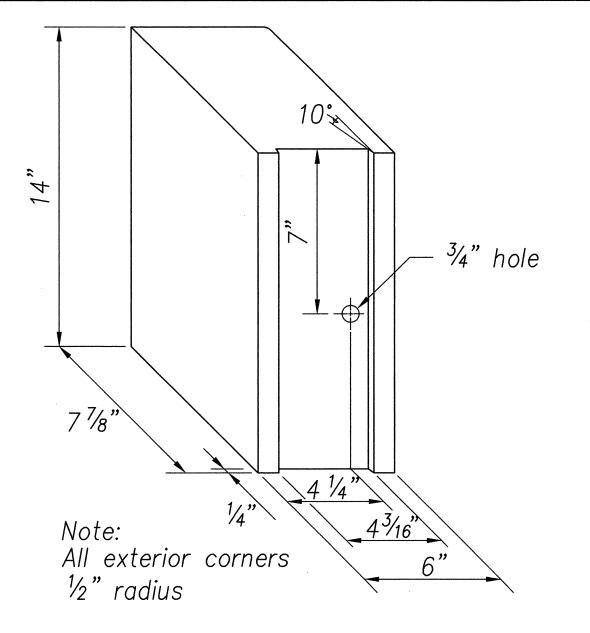


RECYCLED PLASTIC BLOCKOUT (TYPE I)

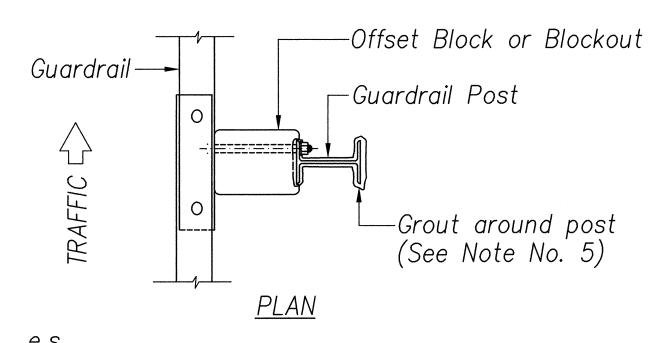


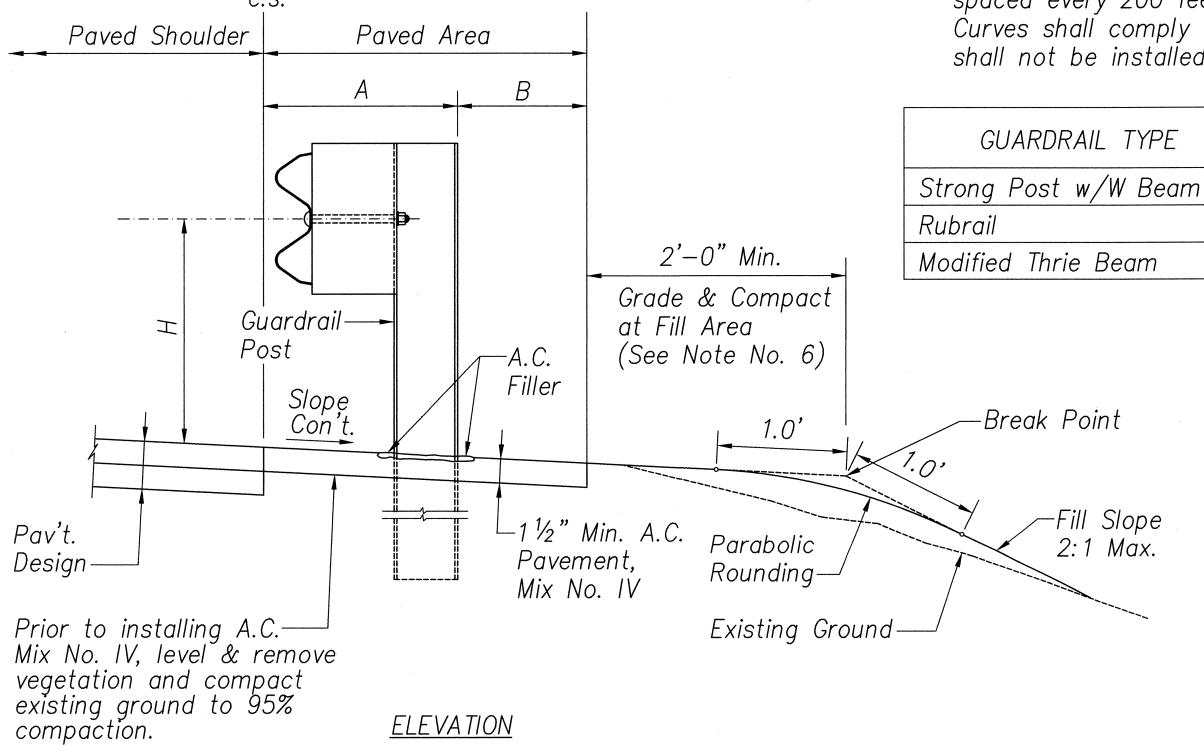
STEEL POST AND BLOCK DETAIL





RECYCLED POLYETHYLENE OFFSET BLOCK (TYPE II)





TYPICAL GUARDRAIL INSTALLATION

GENERAL NOTES

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.

FED. ROAD DIST. NO.

STATE

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FED. AID PROJ. NO.

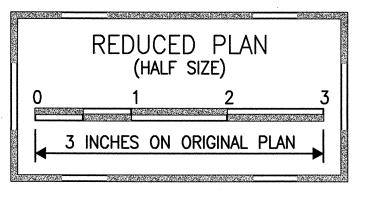
BR-0100(57)

FISCAL YEAR

2000

- 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, RWM02b, 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 fasteners, 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. After the guardrail posts are installed in the paved area, the Contractor shall grout around the guardrail post and seal all cracks in the paved area that was 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 grouting. The cost for this work shall not be paid for separately, but shall be considered incidental to the various guardrail items.
- 6. When standards for the fill slope area cannot be met, a site specific, engineer approved design may be used.
- 7. New A.C. pavement at guardrails shall extend 6 feet longitudinally beyond terminal ends.
- 8. Reflector Markers (RM-5) mounted on guardrails shall be spaced every 200 feet. Spacing of RM-5's on Horizontal Curves shall comply with Table III-1 of the MUTCD. RM-5's shall not be installed on Terminal Sections.

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



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

GUARDRAIL DETAILS AND NOTES

HAWAII BELT ROAD

SEISMIC RETROFIT OF VARIOUS BRIDGES

VICINITY OF PEPEEKEO, HAWAII — UNIT 1

FEDERAL AID PROJECT NO. BR—0100(57)

SCALE: NTS

DATE: March 2001

SHEET No. C3.1 OF 5 SHEETS

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 SURVEY PLOTTED BY
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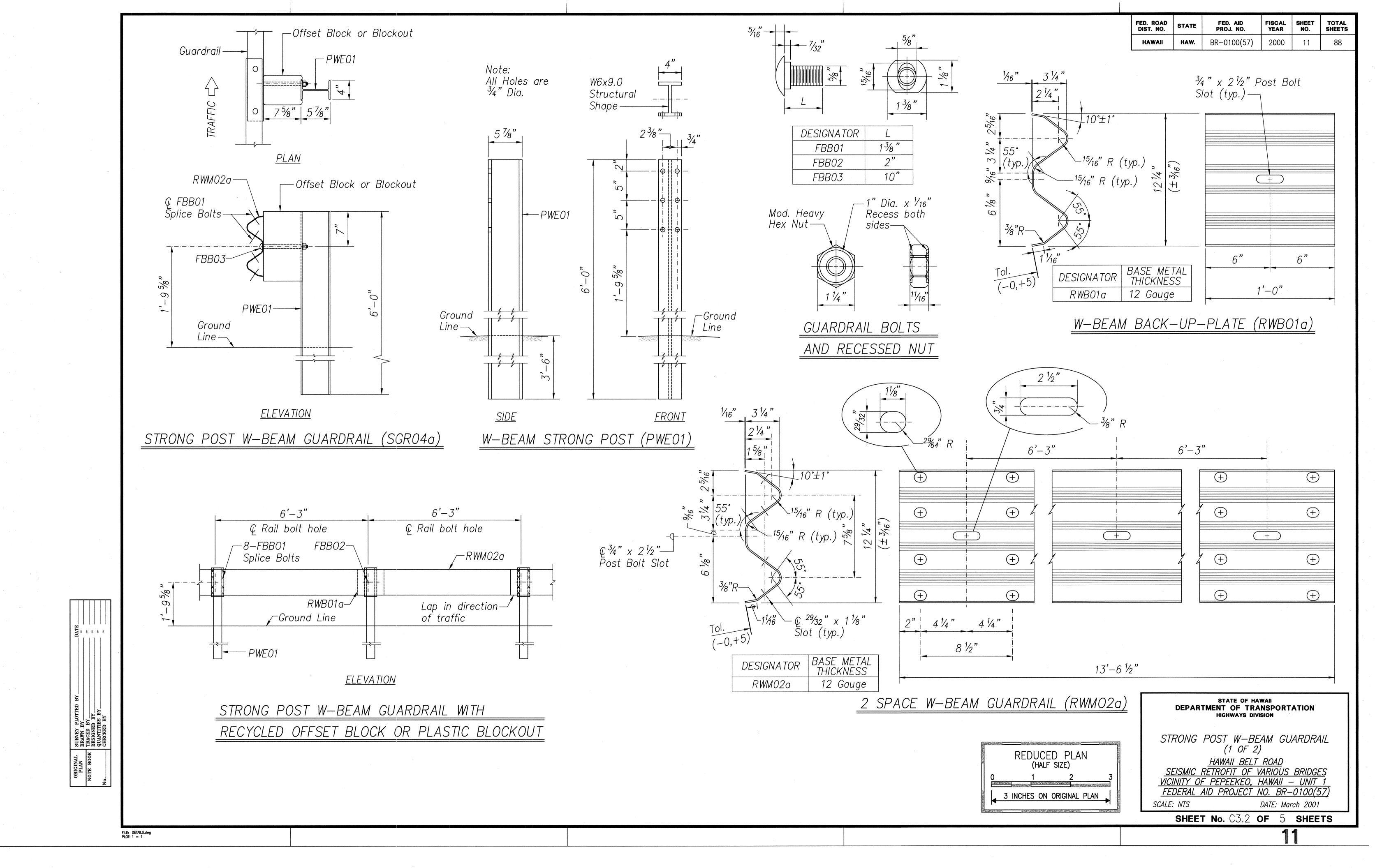
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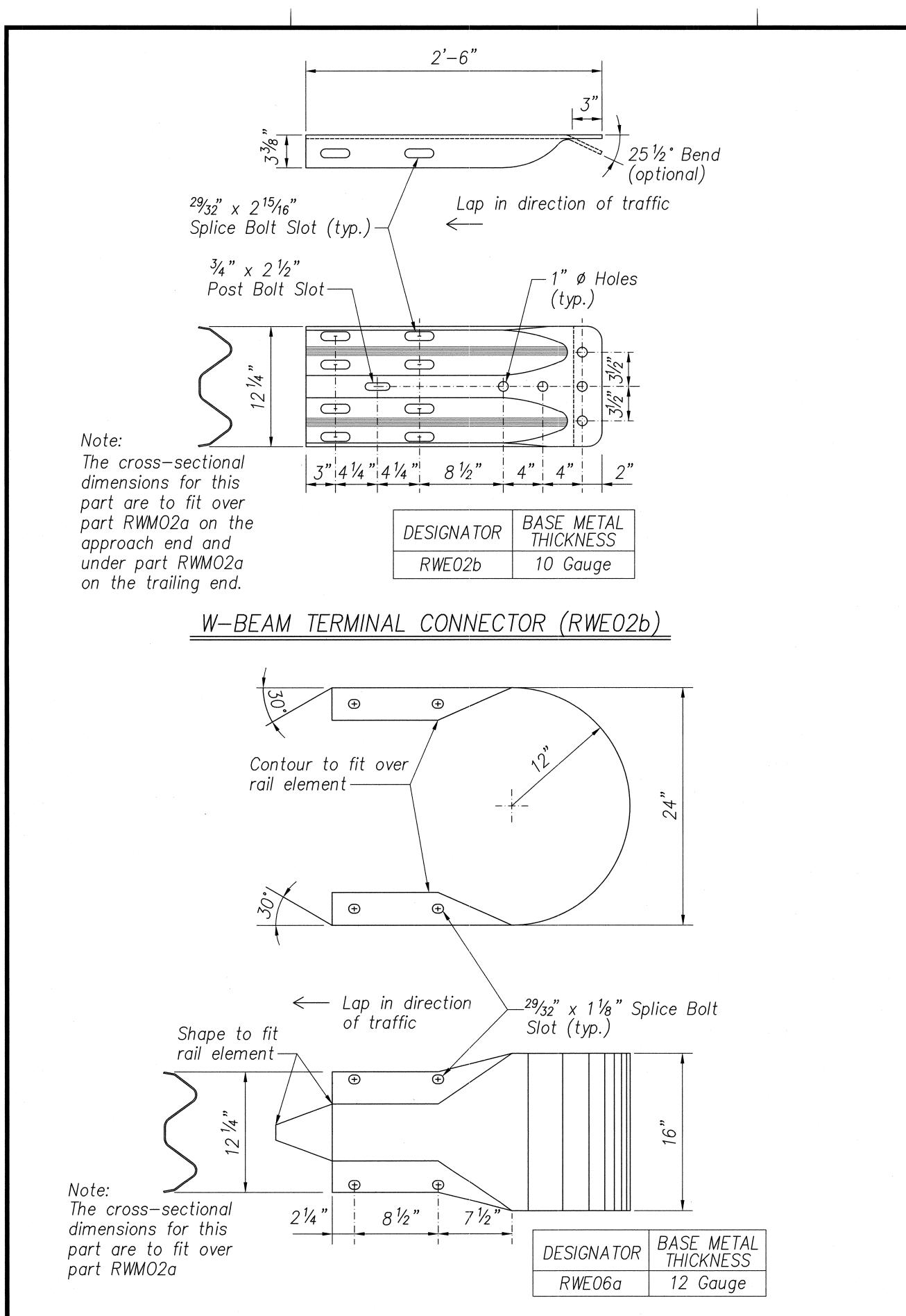
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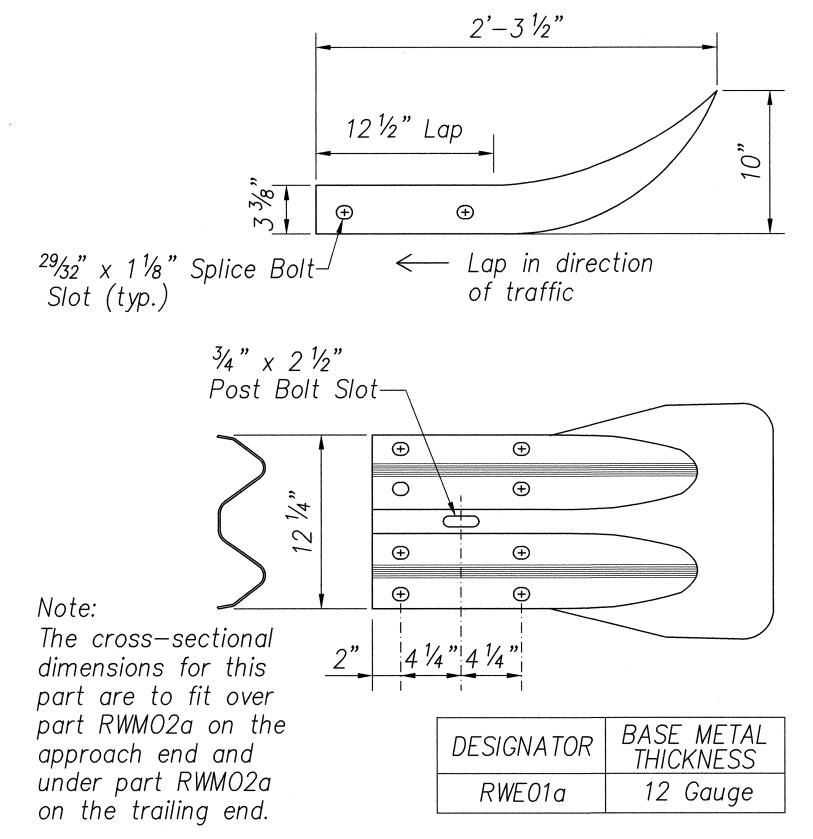
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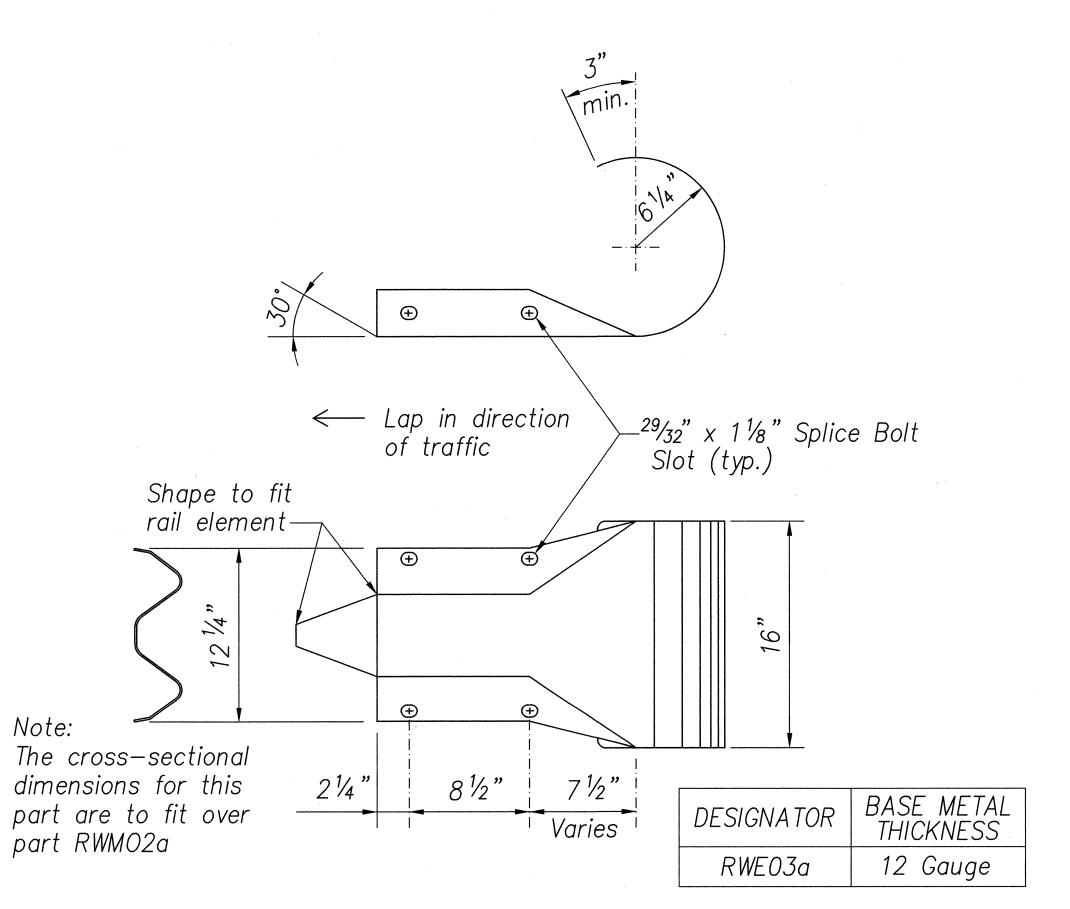




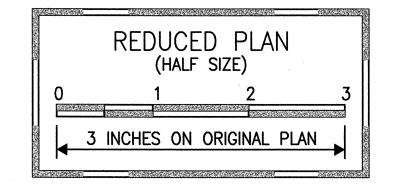
W-BEAM END SECTION (BUFFER RWE06a)



W-BEAM END SECTION (FLARED RWE01a)



W-BEAM END SECTION (ROUNDED RWE03a)



FED. ROAD DIST. NO.

HAWAII

STATE

HAW.

FISCAL YEAR

2000

FED. AID PROJ. NO.

BR-0100(57)

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

STRONG POST W-BEAM GUARDRAIL (2 OF 2)

HAWAII BELT ROAD

SEISMIC RETROFIT OF VARIOUS BRIDGES

VICINITY OF PEPEEKEO, HAWAII — UNIT 1

FEDERAL AID PROJECT NO. BR—0100(57) SCALE: NTS DATE: March 2001

SHEET No. C3.3 OF 5 SHEETS

ORIGINAL PLAN NOTE BOOK