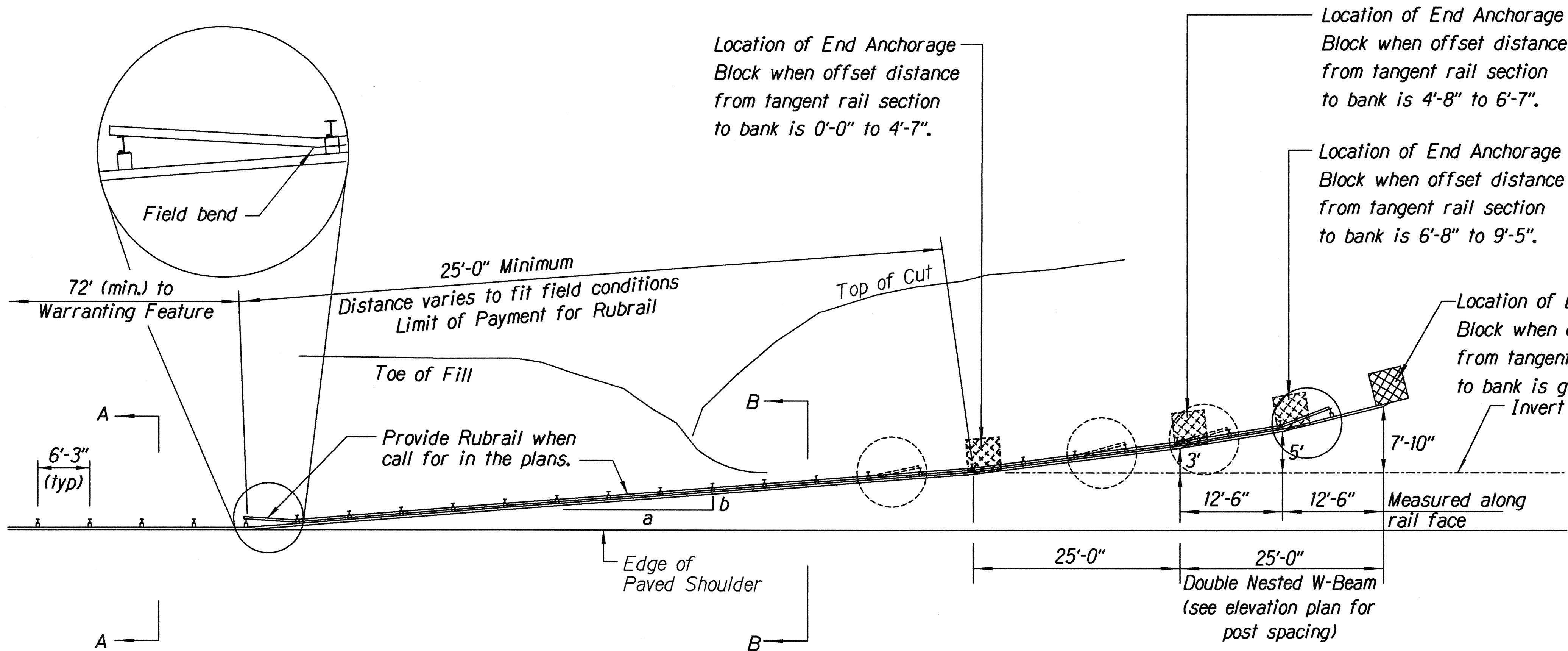


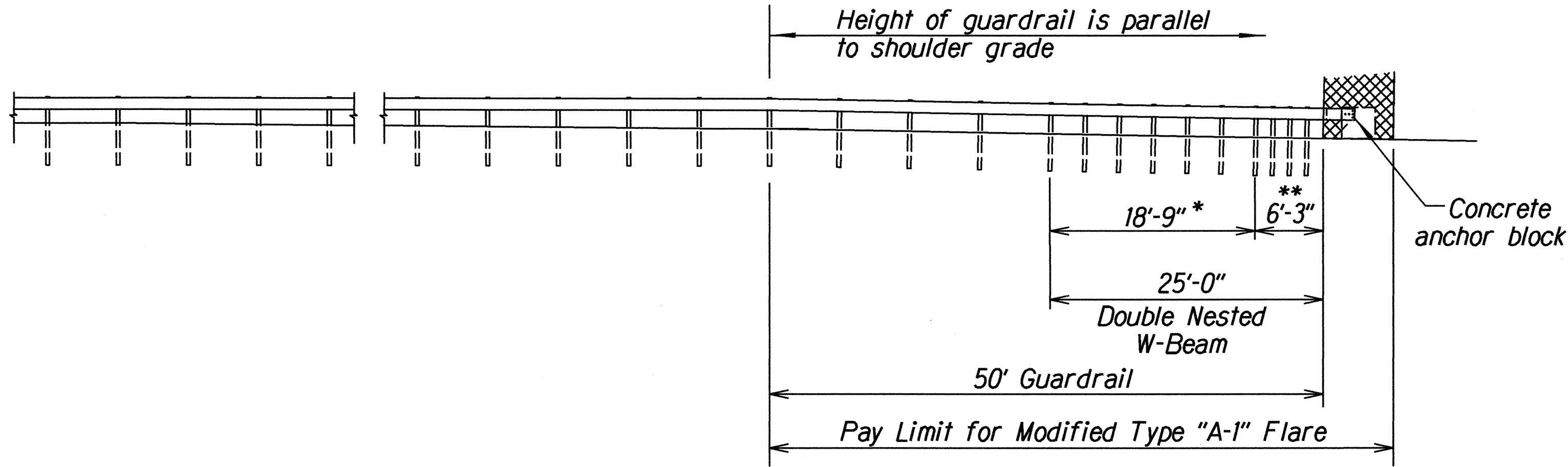
General Notes

- All posts are 8'-0" in length with pre-drilled holes for rubrails within the 50'-0" pay limit for the Modified Type "A-1" Flare.
- All fasteners, posts, blocks and rail elements 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-AGCARTBA Joint Cooperative Committee.
- Limit of payment for Modified Type "A-1" Flare shall be 50'-0" from End Shoe including Anchor Block and GRP work.
- Excavation, Anchor Block, Backfill and GRP work shall be considered incidental to the Modified Type "A-1" Flare.



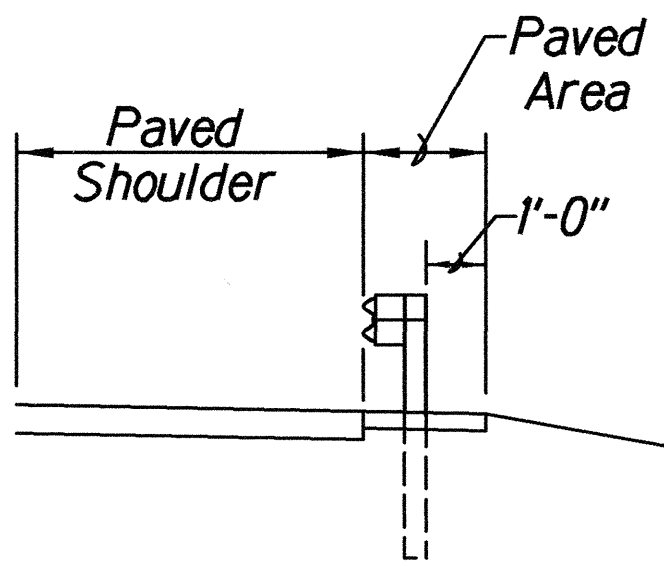
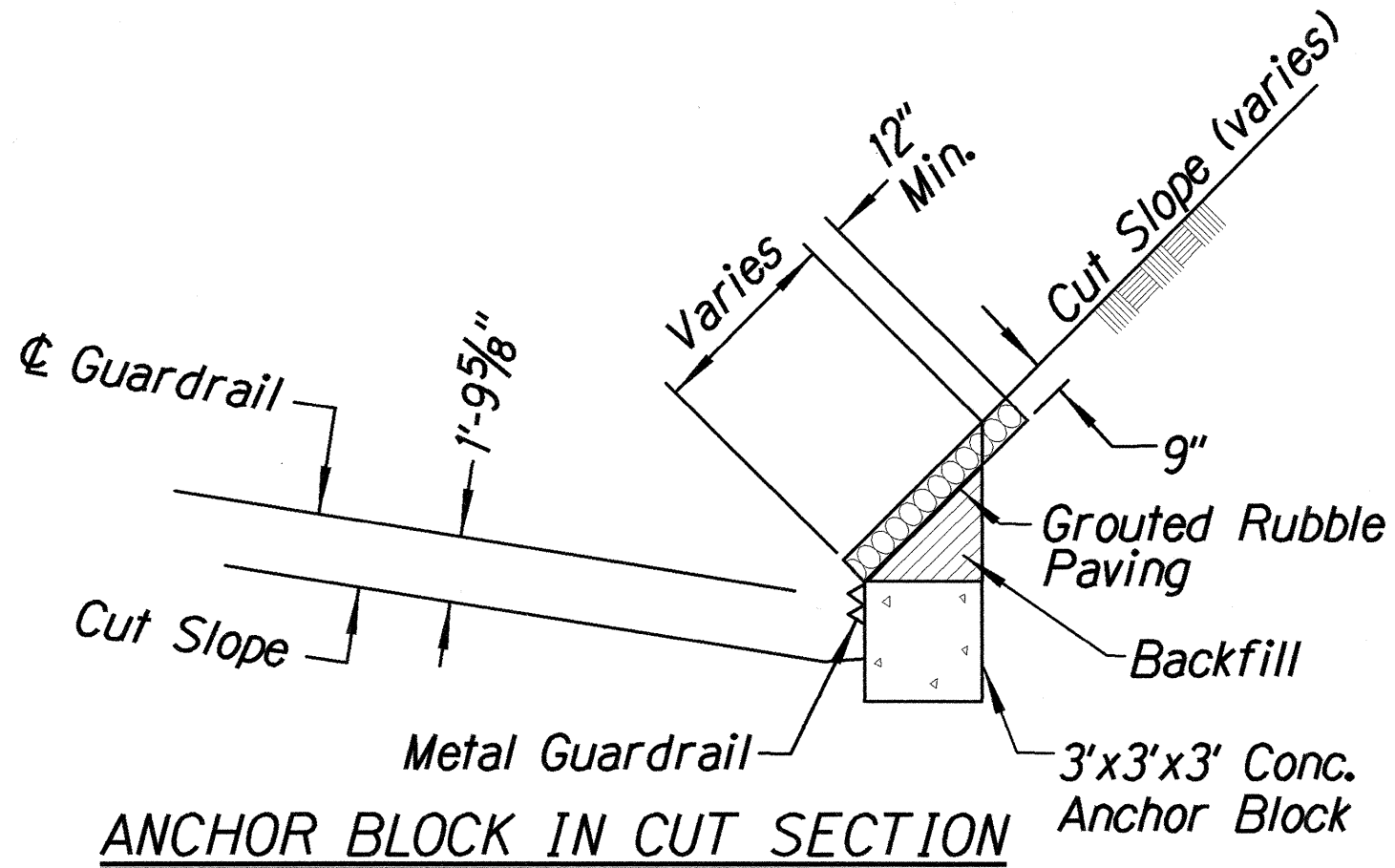
PLAN

Design speed mph	a:b
68	15:1
62	13:1
56	12:1
50	11:1
43	10:1
37	9:1
31	7:1

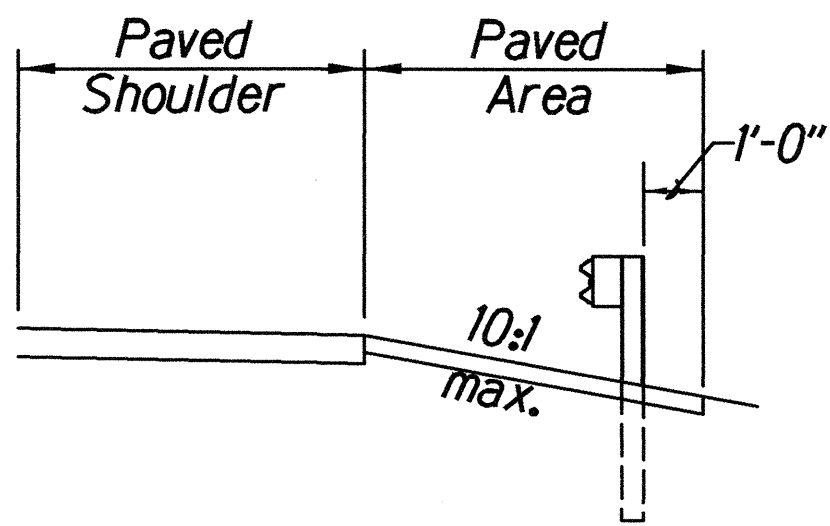


ELEVATION (Profile Along Rail)

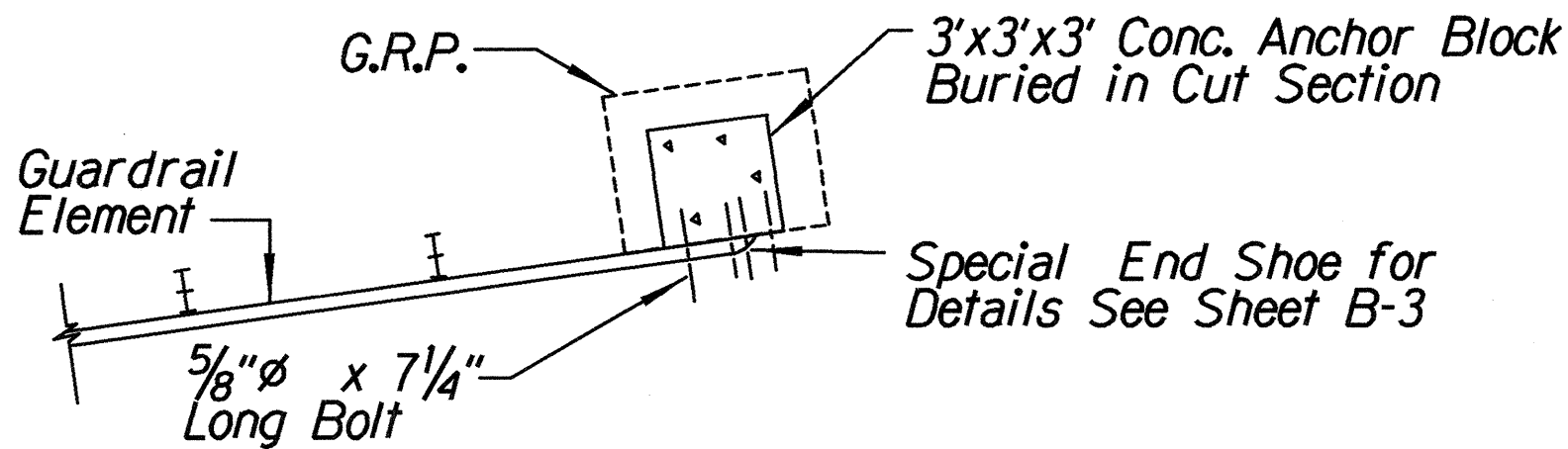
* Posts at 3'-1½" o.c.
 ** Posts at 1'-6¾" o.c.



Section A-A



Section B-B



PLAN - ANCHOR BLOCK IN CUT SECTION

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

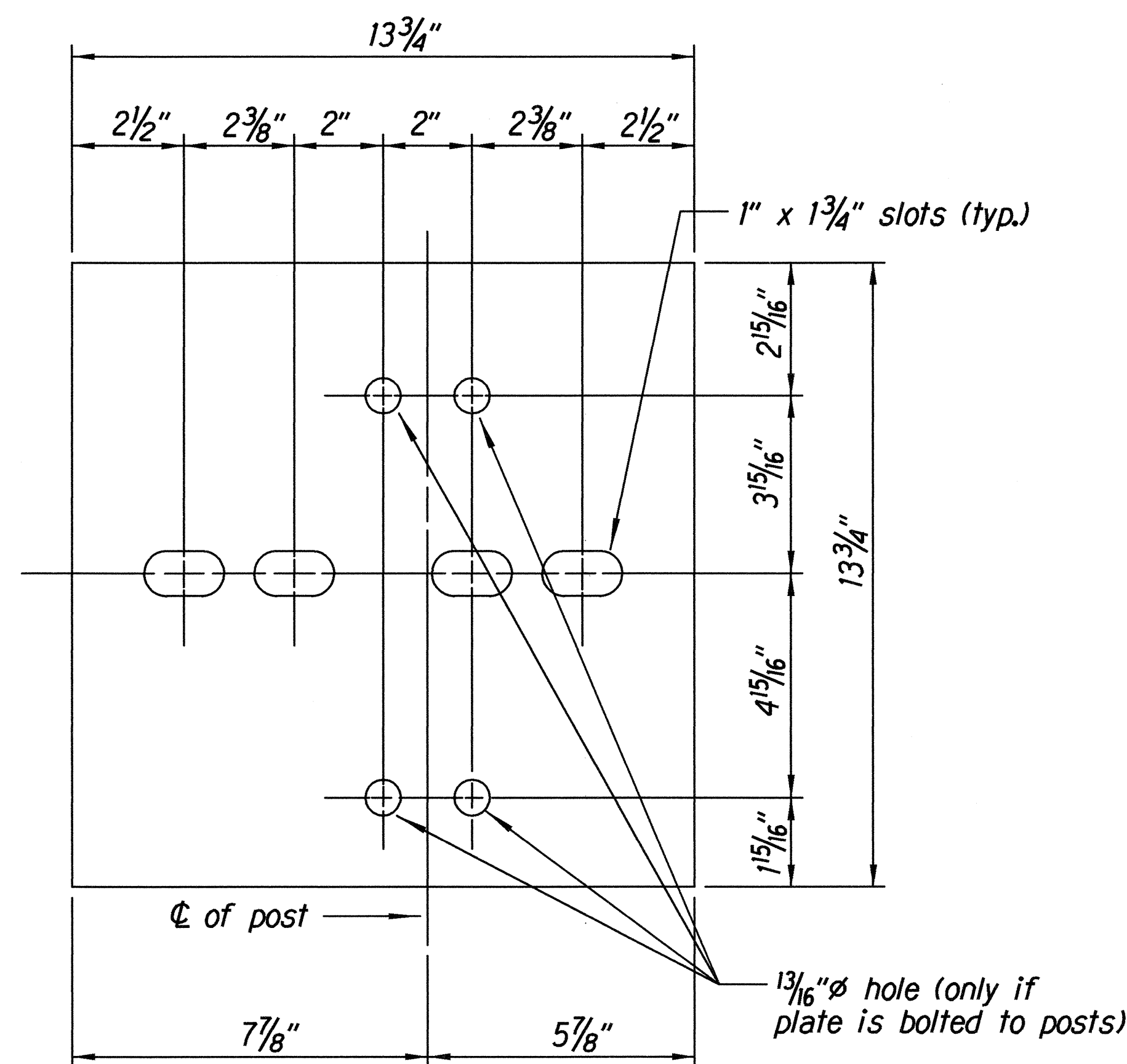
MODIFIED TYPE "A-1" FLARE

HAWAII BELT ROAD RESURFACING

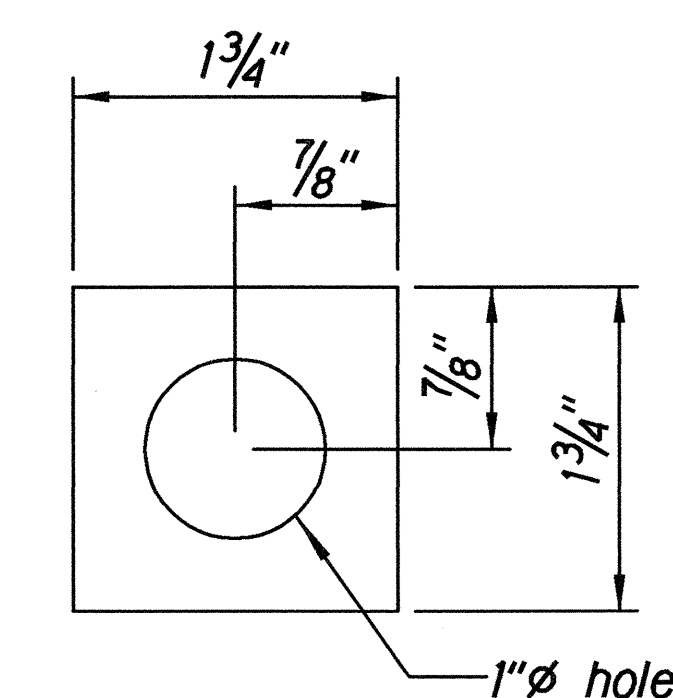
HONOKUA TO PAHOEHOE

PROJECT NO. 11BC-01-01M

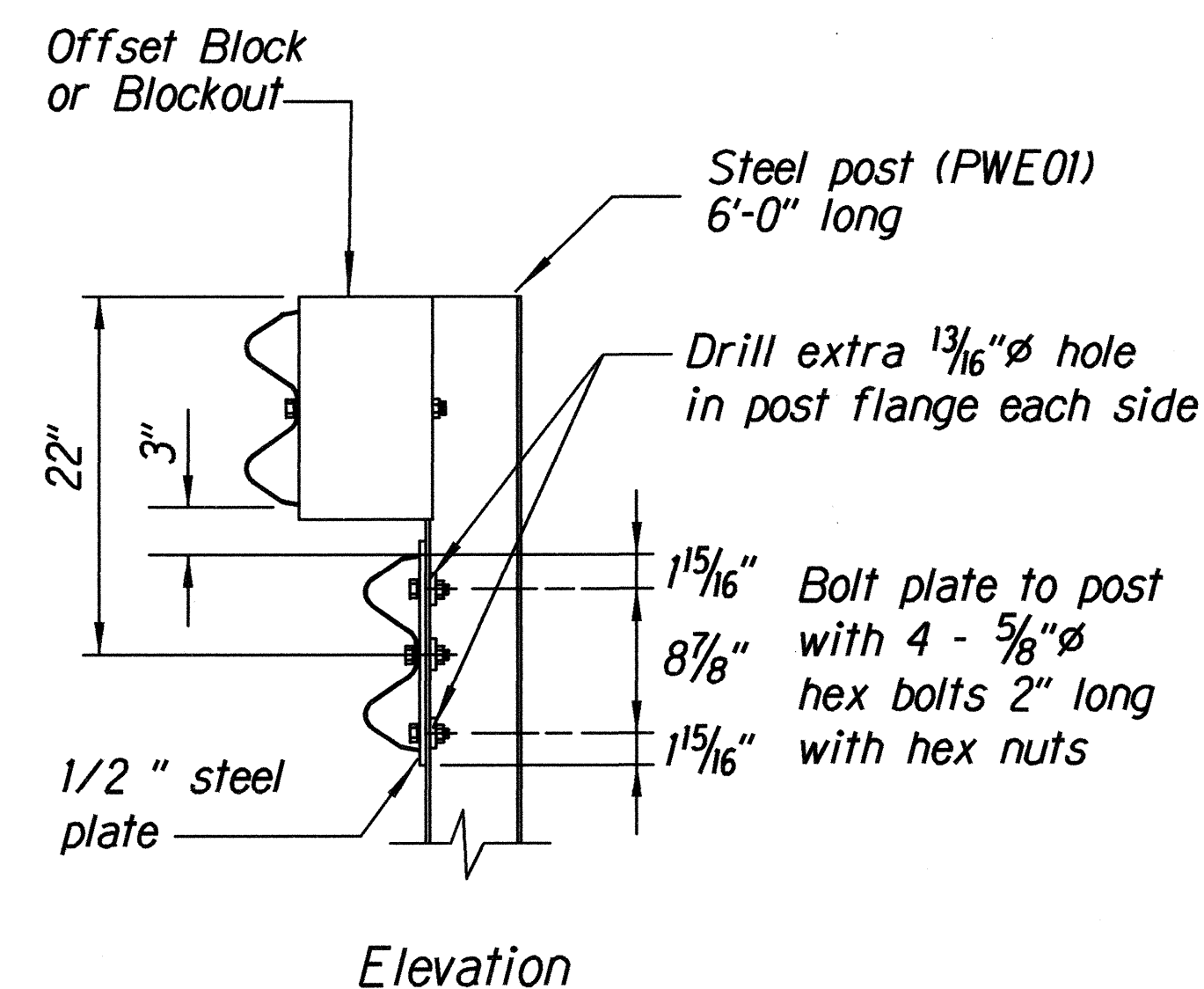
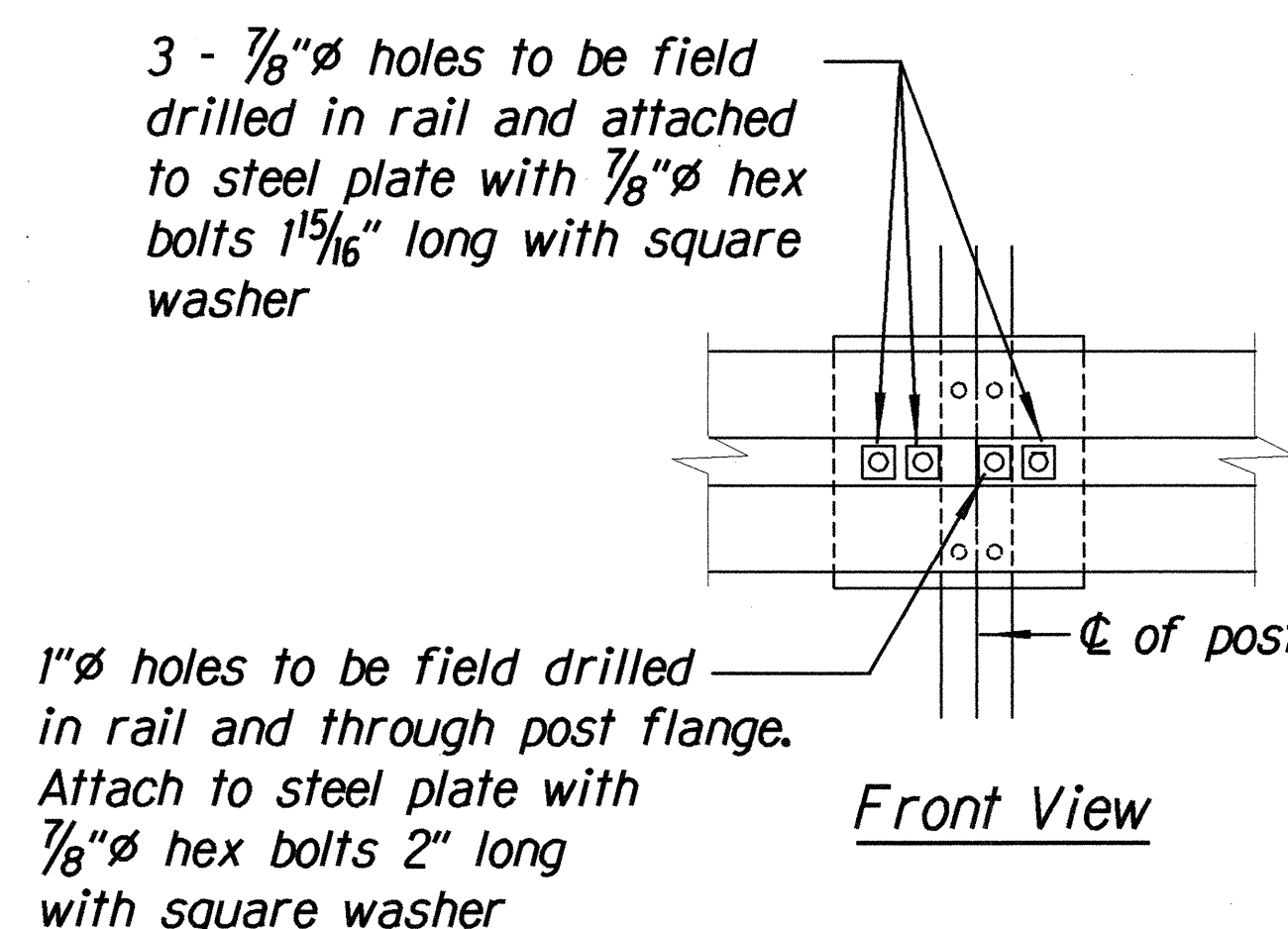
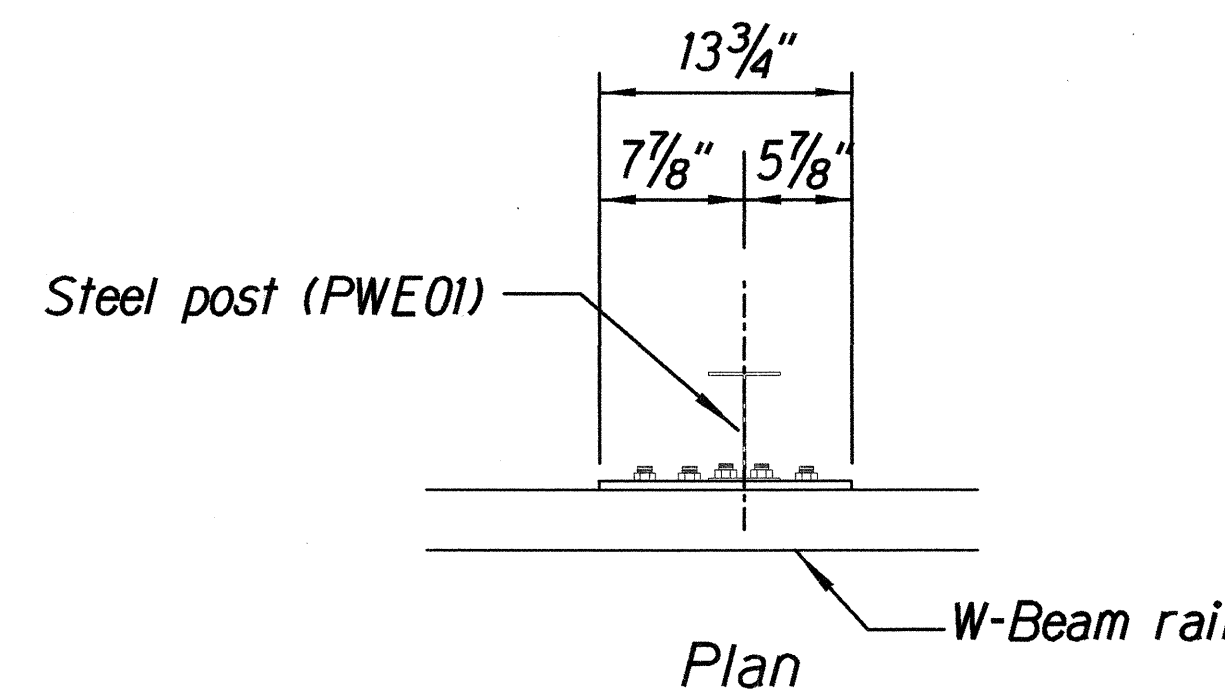
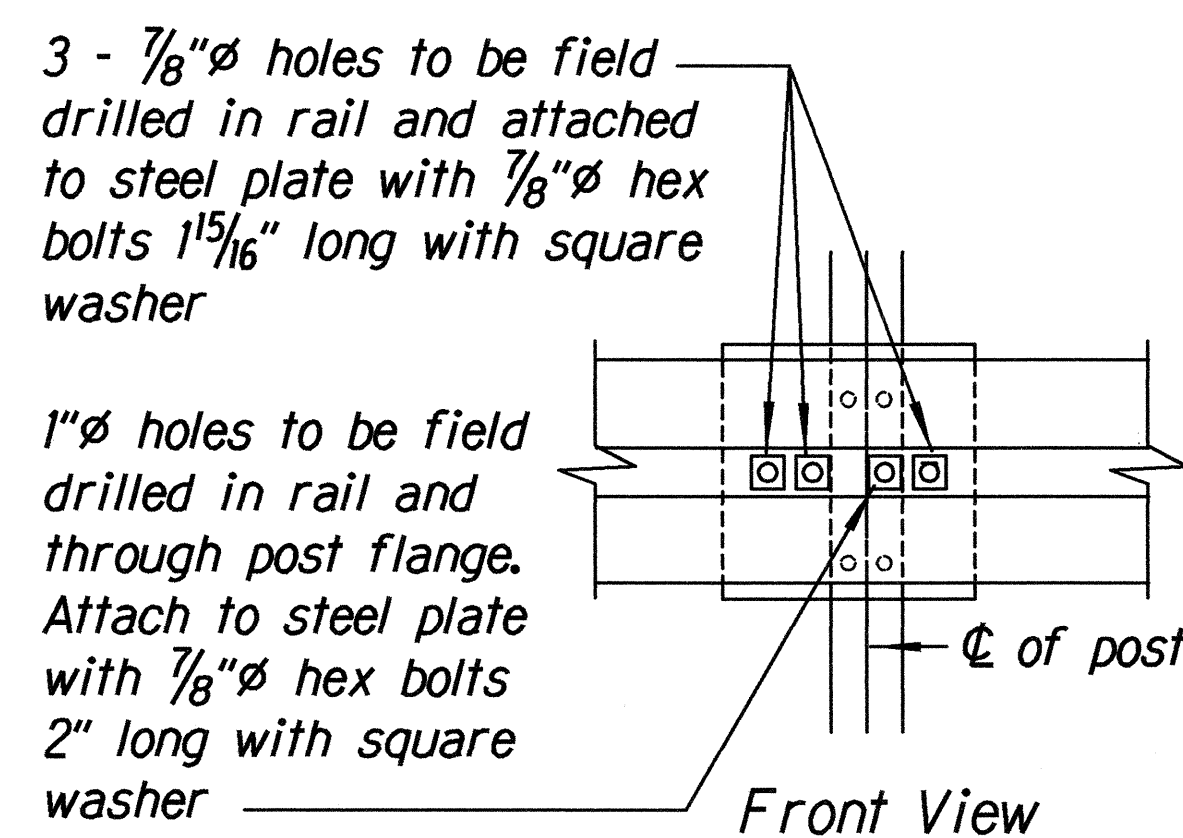
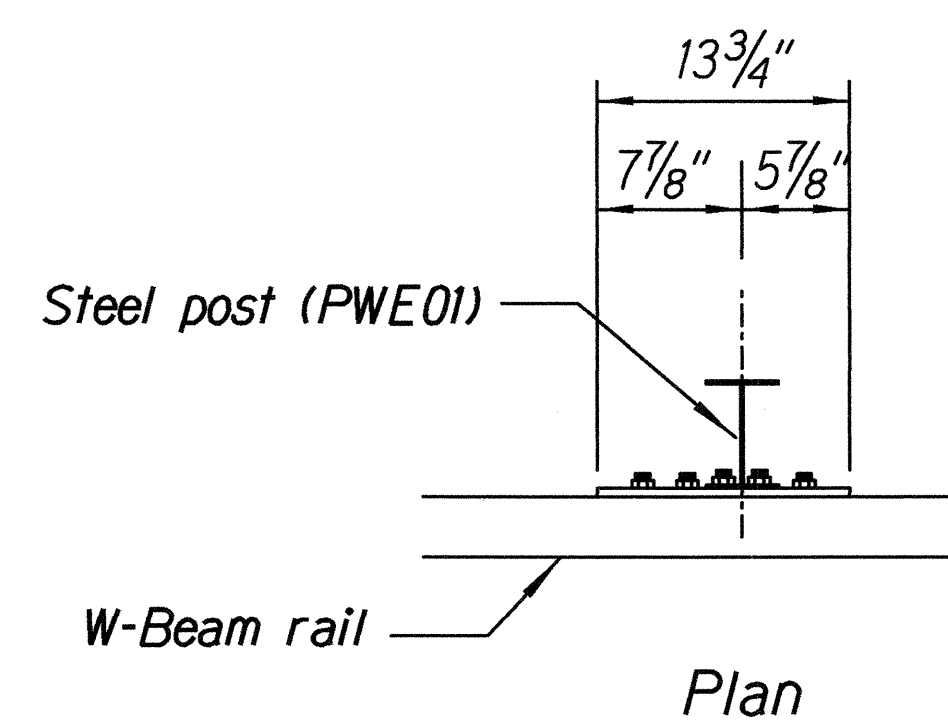
Scale: N.T.S. Date: March, 2001



Steel Plate - 1/2"
(Hot-dip Zinc Coated Galvanized
Welded or Bolted to Post)



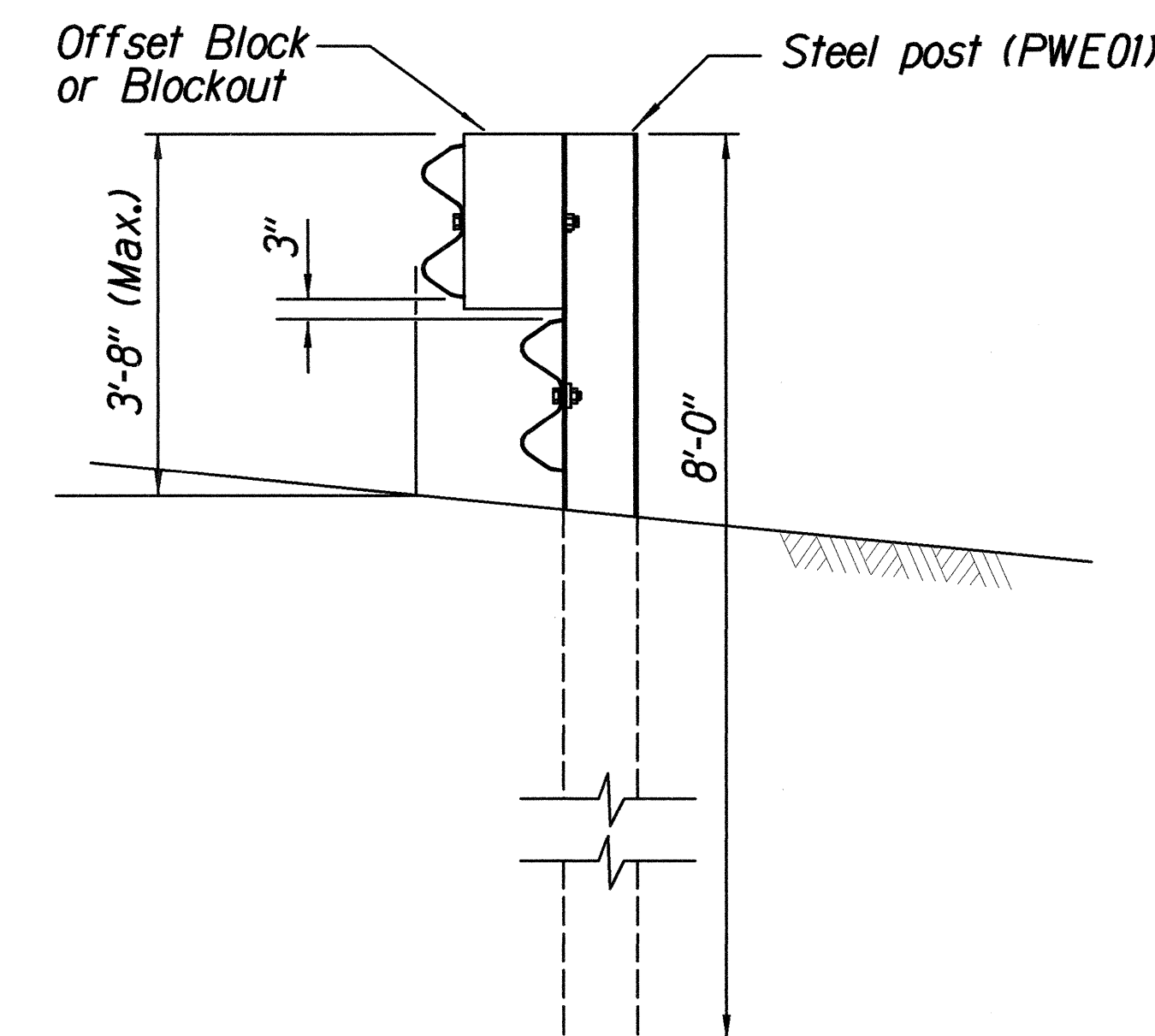
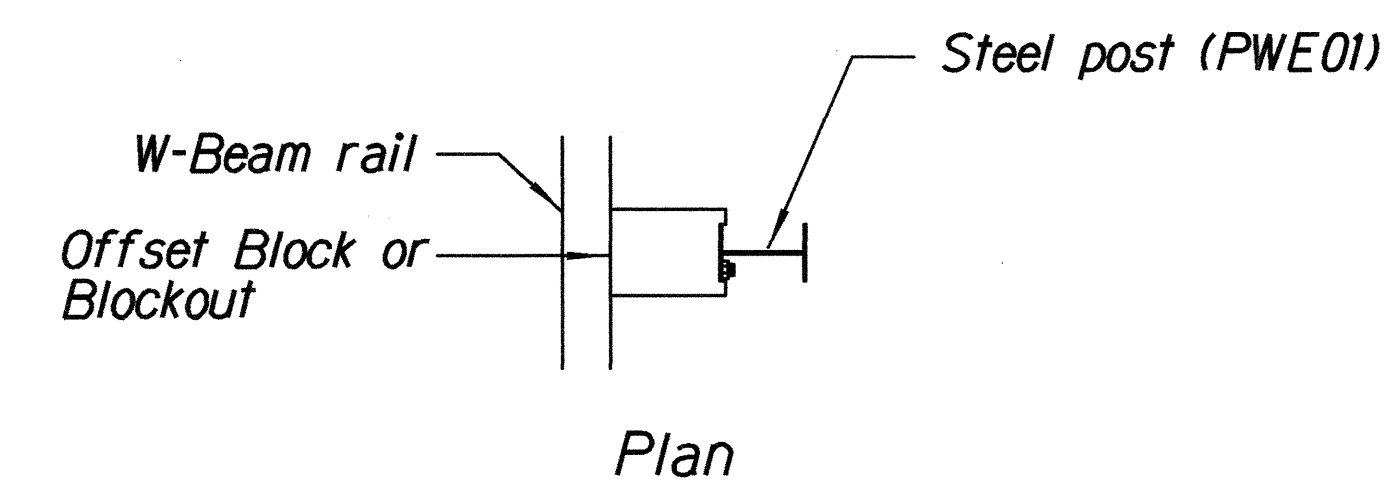
Square Washer
(3/16" Thick - Hot-dip
Zinc Coated Galvanized)



RUBRAIL ANCHOR DETAILS

Note:

All fasteners, posts, blocks and rail elements 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-AGCARTBA Joint Cooperative Committee.



STEEL POST GUARDRAIL WITH RUBRAIL

POST ANCHOR DETAILS

RUBRAIL DETAIL FOR MODIFIED TYPE "A-1" FLARE (WHEN CALLED FOR IN PLANS)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MODIFIED TYPE "A-1" FLARE
RUBRAIL DETAILS

HAWAII BELT ROAD RESURFACING
HONOKUA TO PAHOEHOE
PROJECT NO. 11BC-01-01M

Scale: N.T.S. Date: March, 2001

SHEET No. 3 OF 3 SHEETS