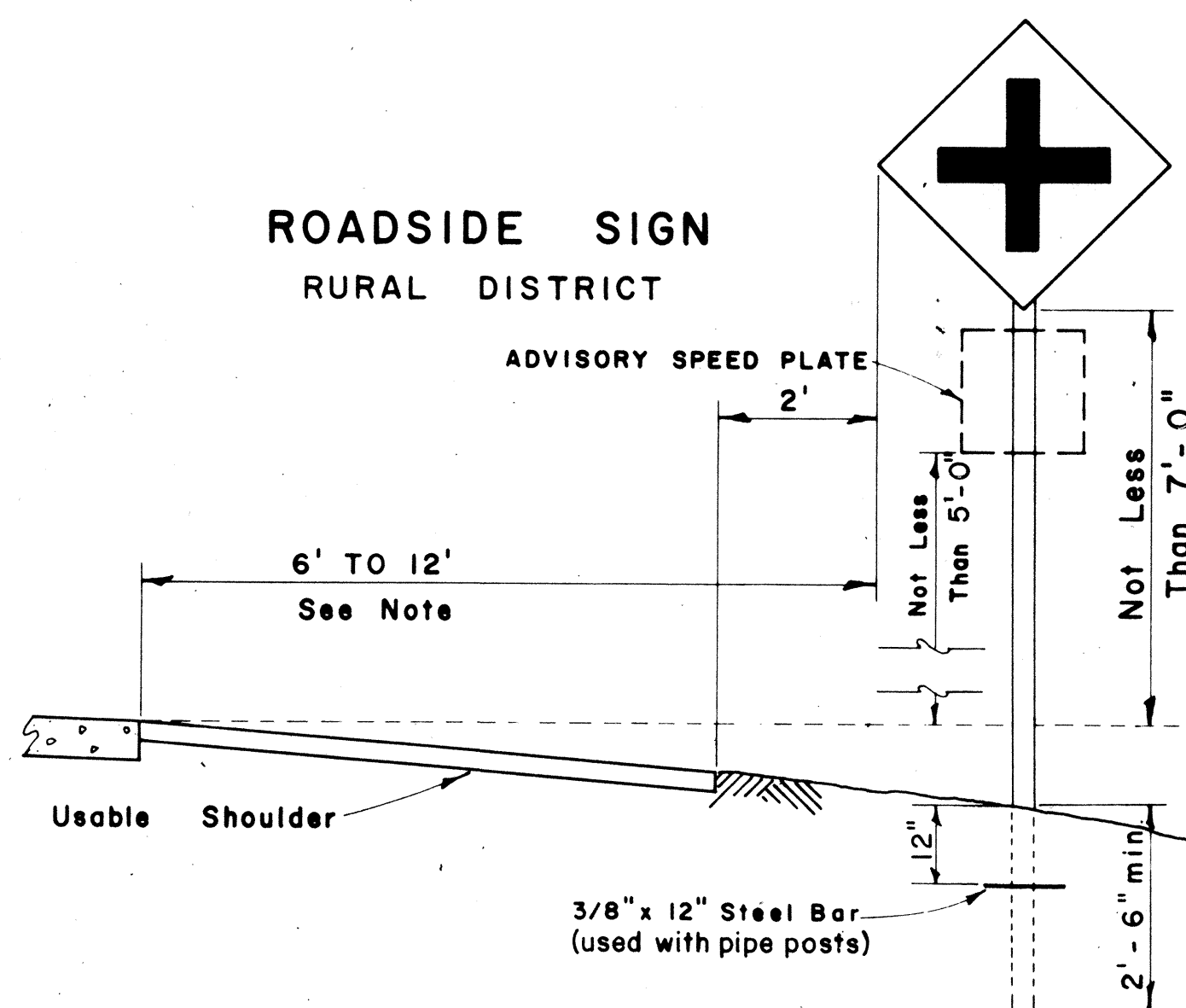
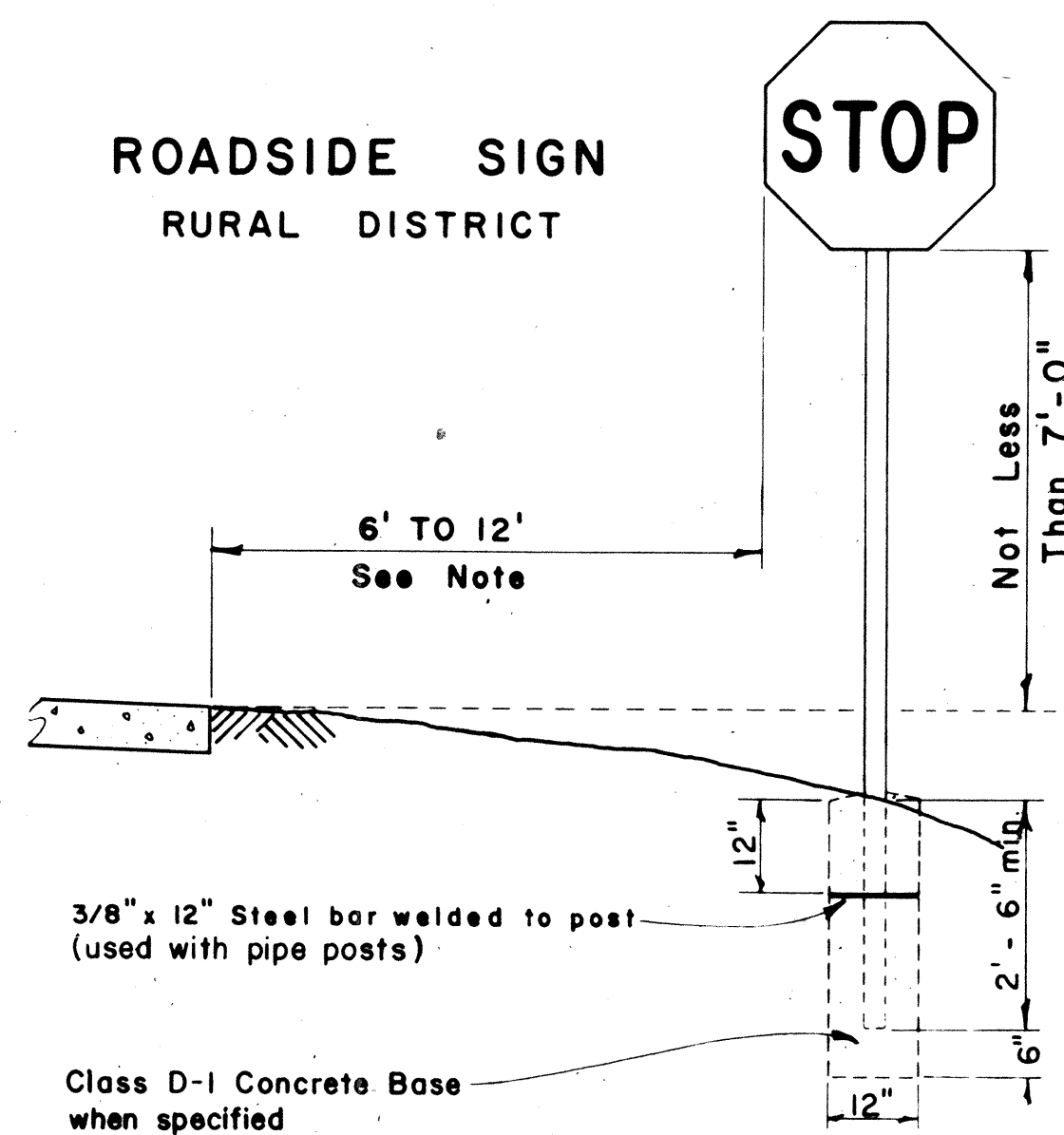
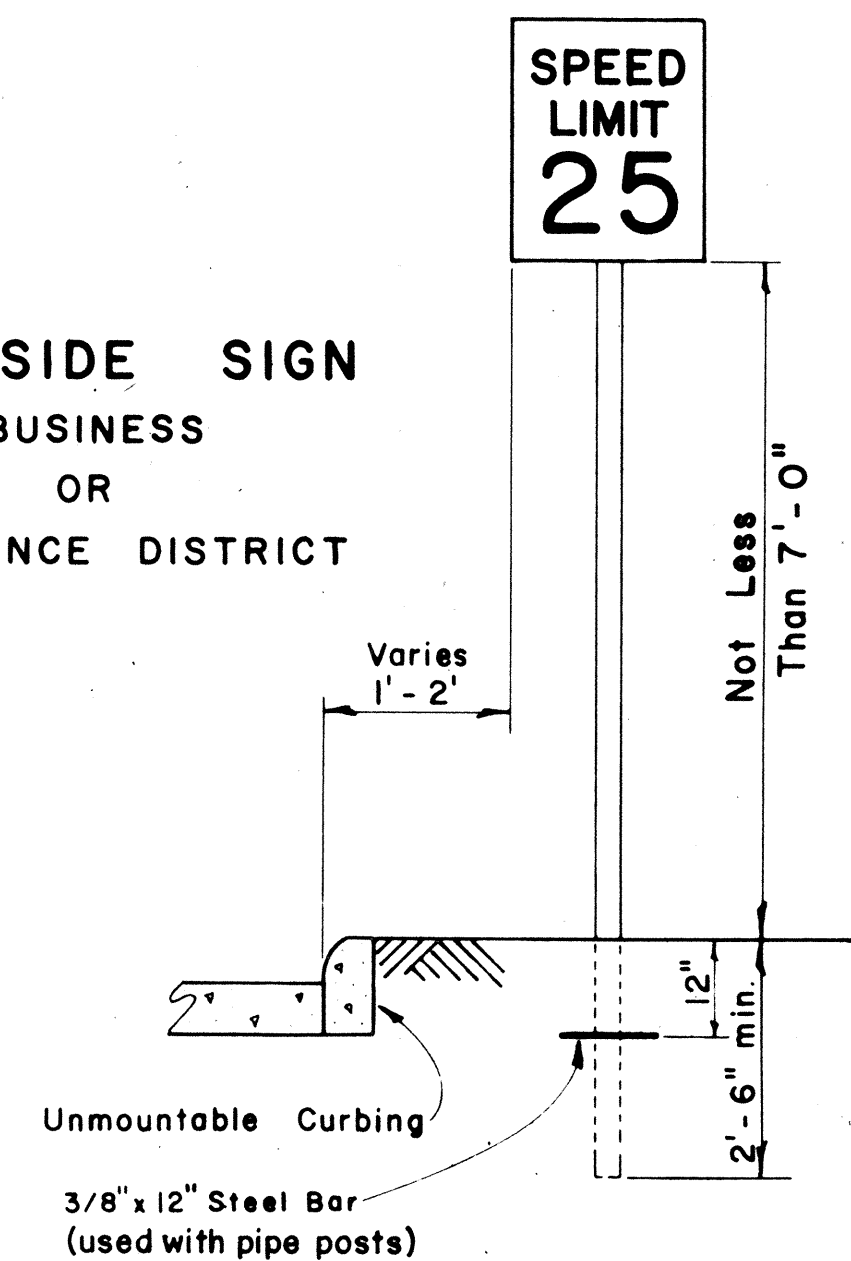


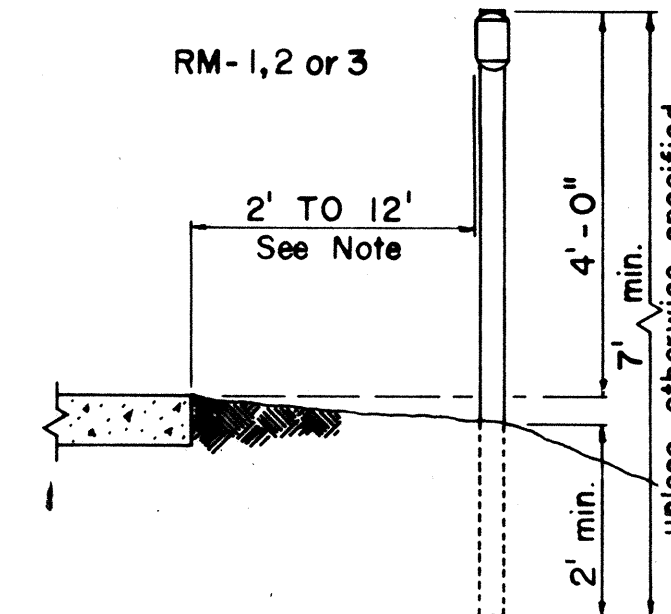
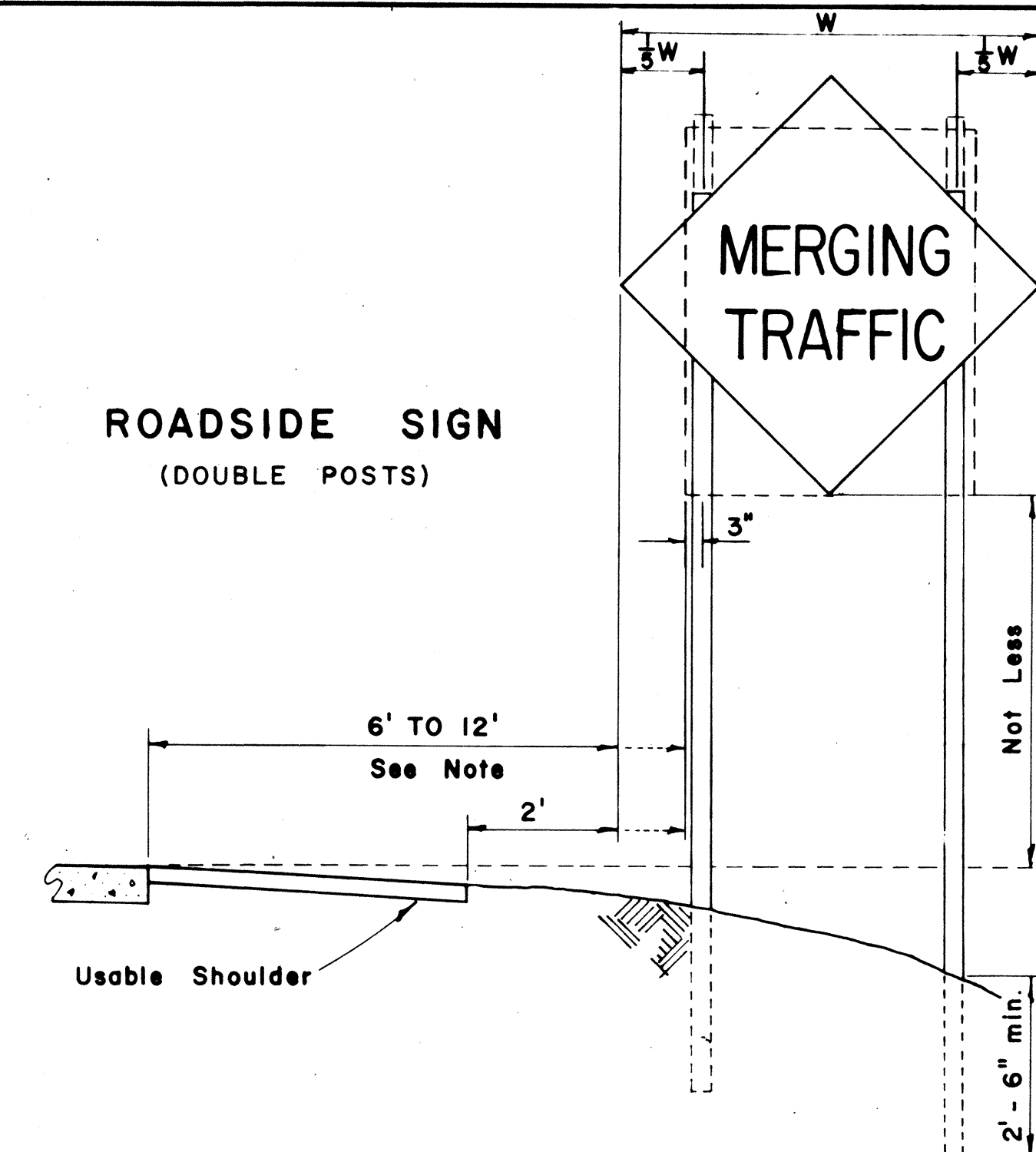
- NOTE:
- All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 - Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs larger than 24" in any dimension; 2" galv. std. pipe or 2" x 2" galv. square tube posts for signs 24" or less in any dimension.
 - Sign shall be attached to post with 5/16" galvanized bolts with nuts and 7/8" x 7/8" x .120" stainless-steel washers with neoprene rubber gasket.
 - Clearance Markers (RM-3, RM-4) shall be installed with the inside edge of the marker in line with the inner edge of the obstruction.
 - Signs 48" and wider or larger than 10 sq. ft. in area shall be mounted on two 3" galv. std. pipe or two 2 1/2" x 2 1/2" galv. square tube posts.



ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT

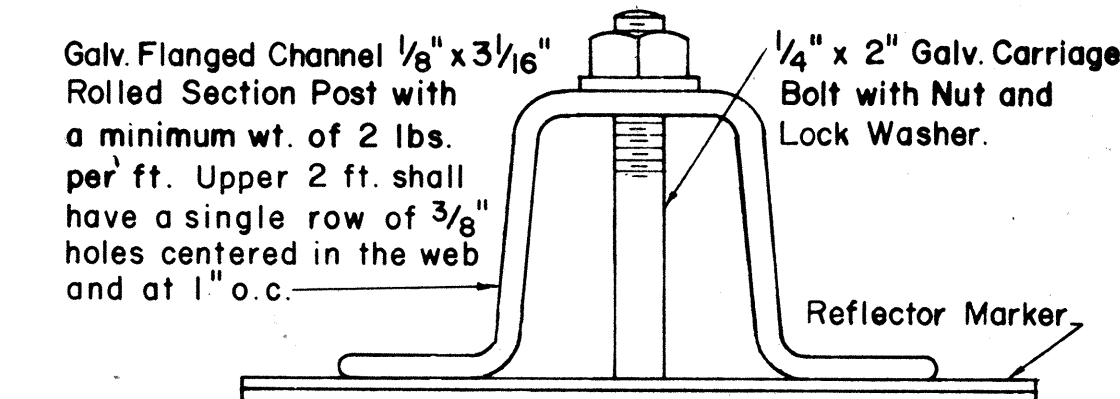


ROADSIDE SIGN
(DOUBLE POSTS)

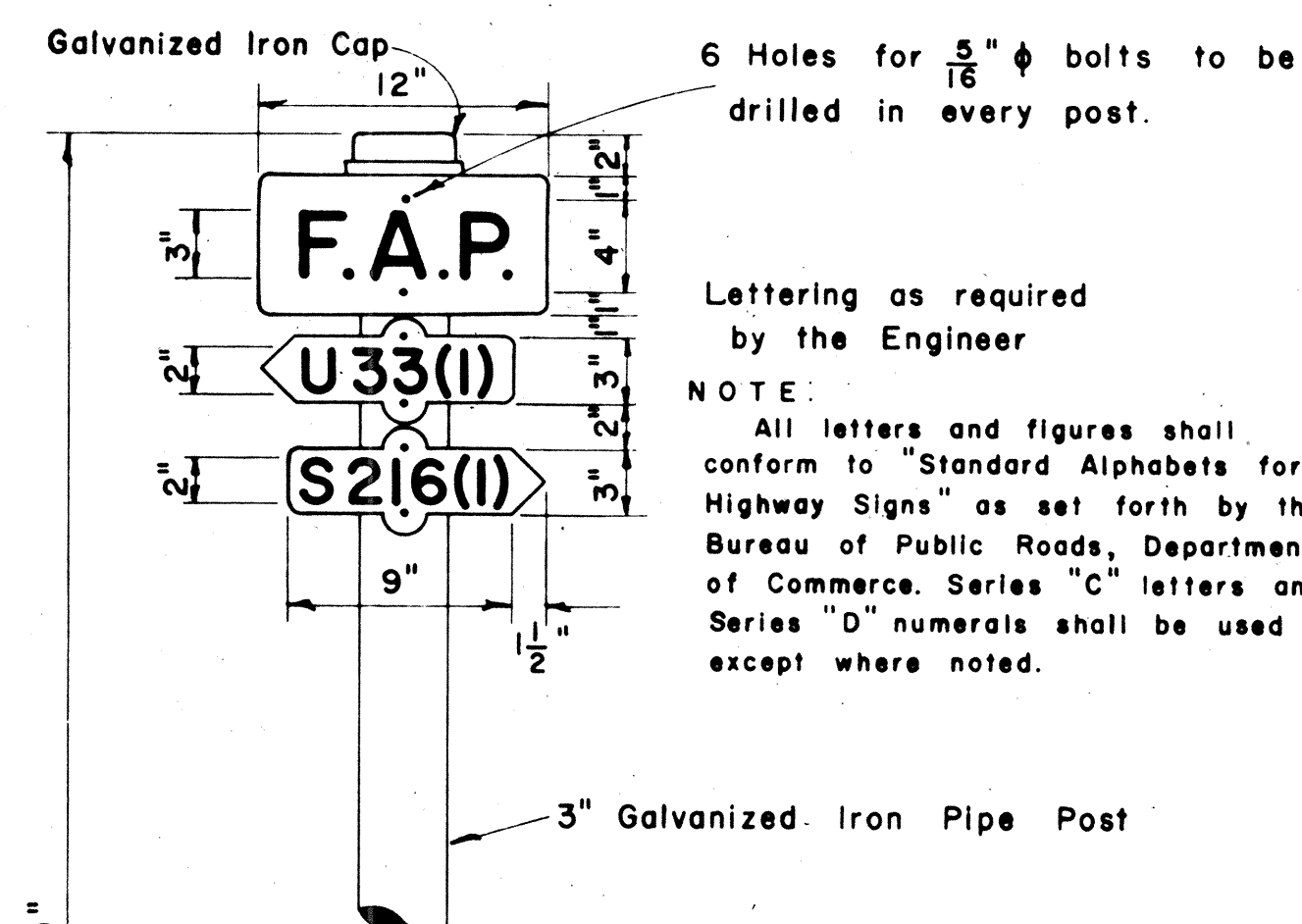


ROAD DELINEATOR

Scale: 1/2" = 1' - 0"



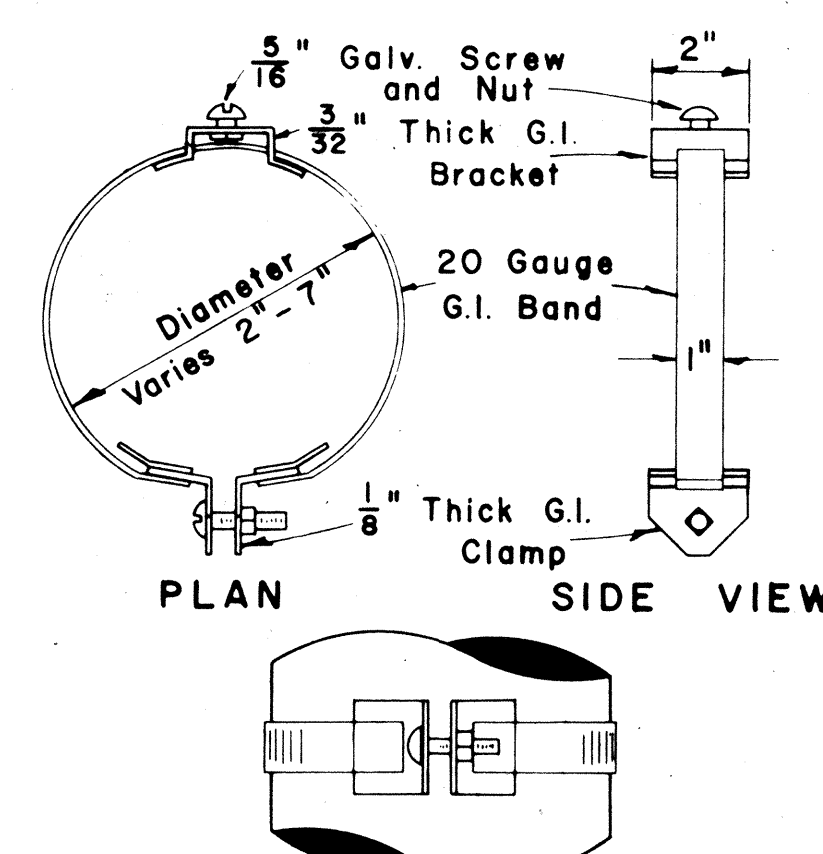
HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS



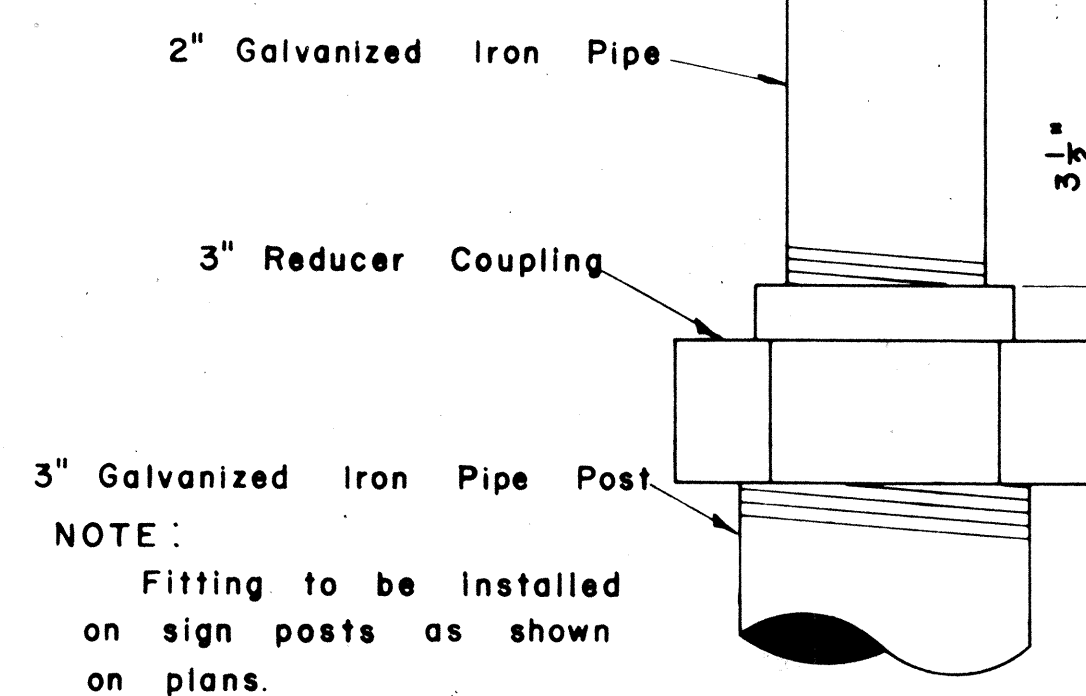
6 Holes for 5/16" bolts to be drilled in every post.

Lettering as required by the Engineer

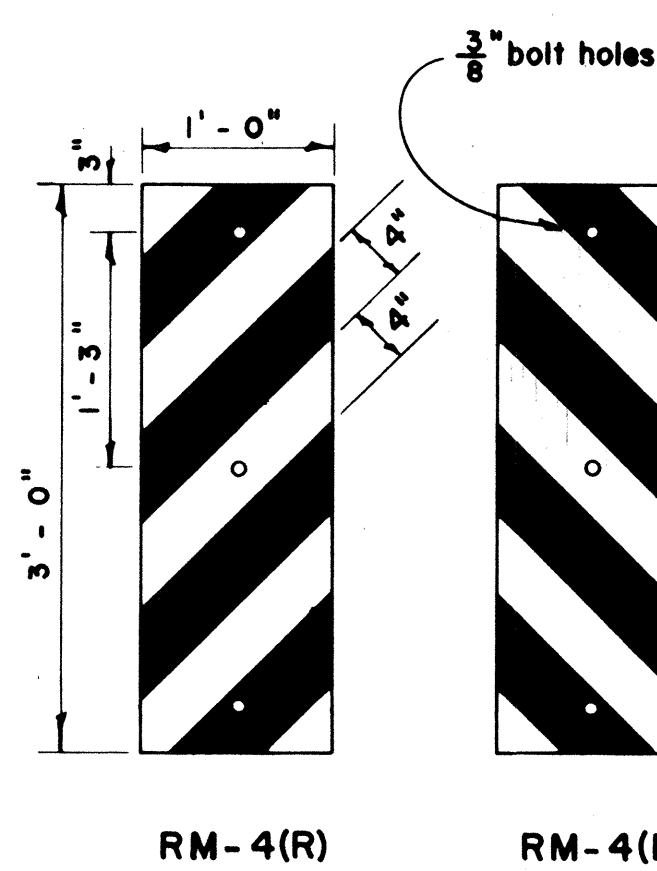
NOTE: All letters and figures shall conform to "Standard Alphabets for Highway Signs" as set forth by the Bureau of Public Roads, Department of Commerce. Series "C" letters and Series "D" numerals shall be used except where noted.



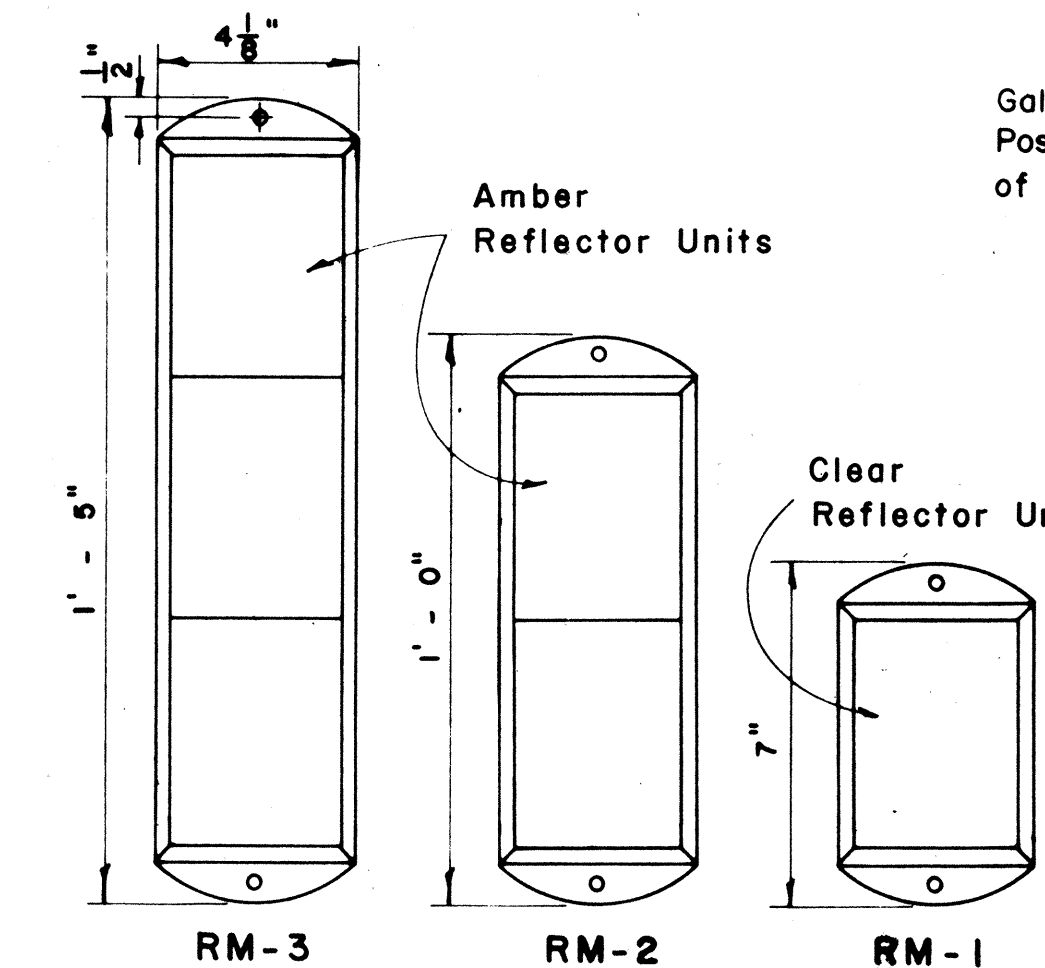
FRONT VIEW
TYPICAL BAND BRACKET
FOR MOUNTING TRAFFIC SIGNS
Scale: 3" = 1' - 0"



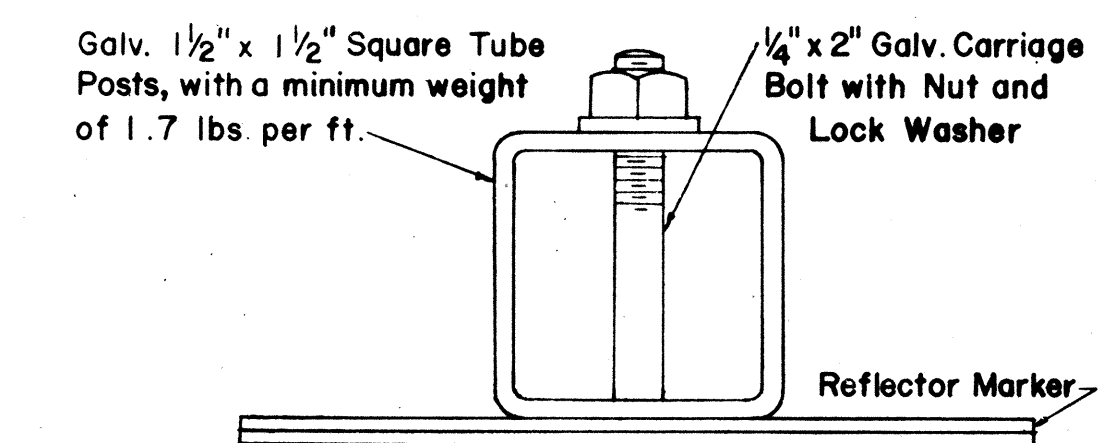
DETAIL OF SIGN POST FITTING
FOR CITY & COUNTY
STREET NAME SIGNS
Scale: 1/2" = 1'



Scale: 1" = 1' - 0"

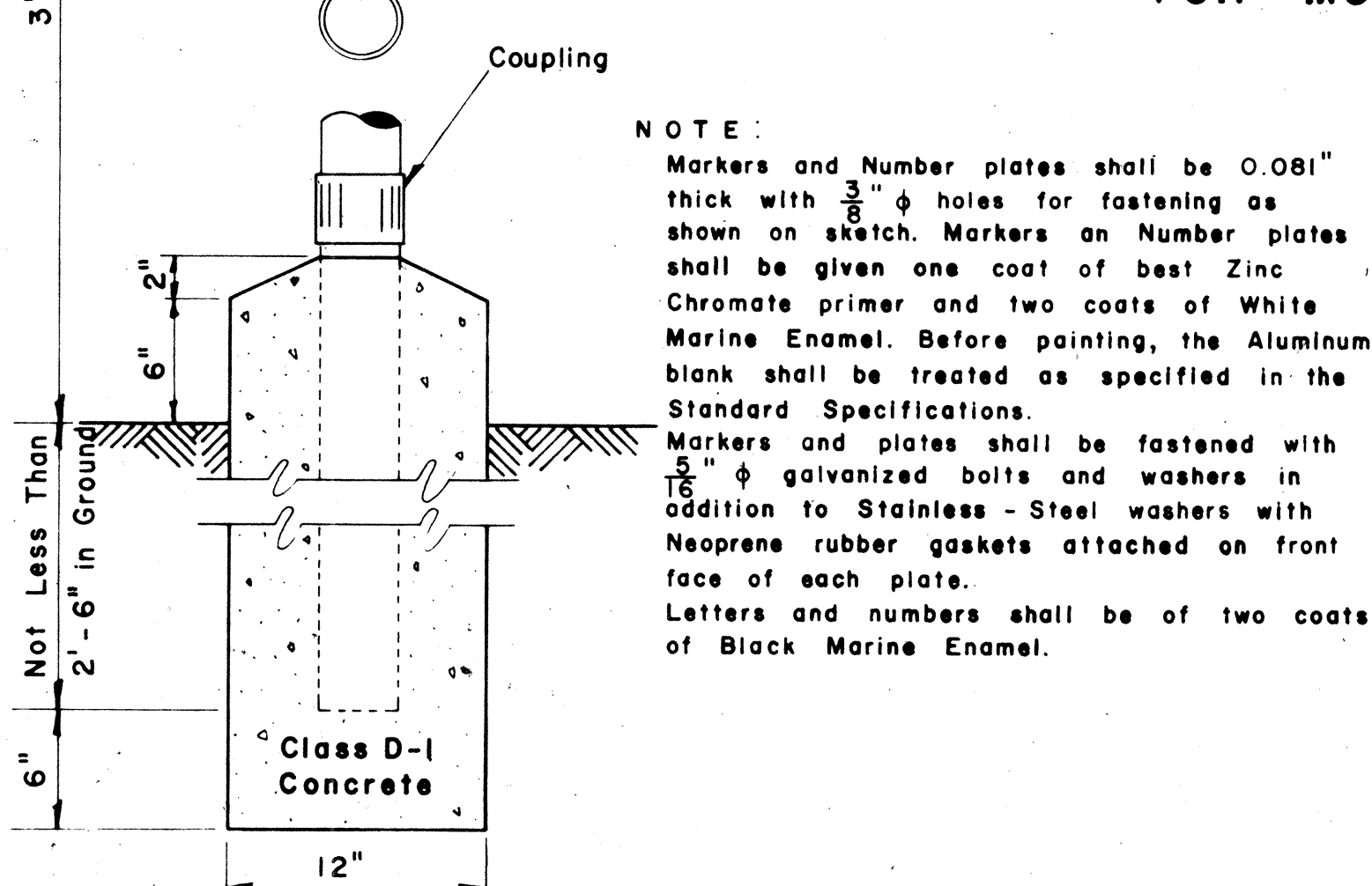


REFLECTOR MARKERS
Scale: As Shown



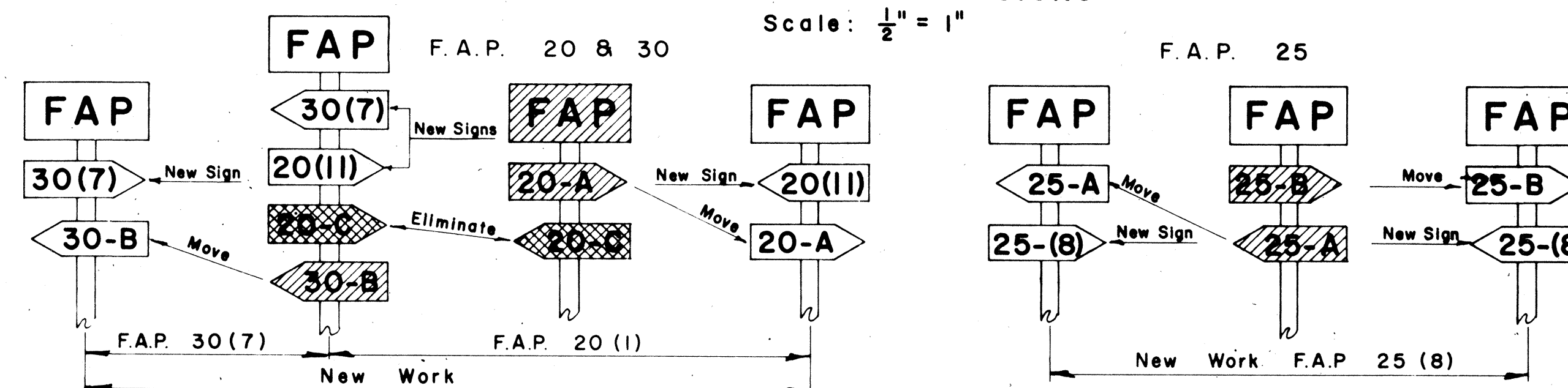
TYPICAL SECTION
OF ROAD DELINEATOR
Full Size

NOTE: Reflector Markers RM-1,2,3 shall be glass sphere reflector markers with 4" x 5" reflector units (as shown) or plastic prismatic reflector markers with 3" diameter reflector units.



FEDERAL AID MARKER

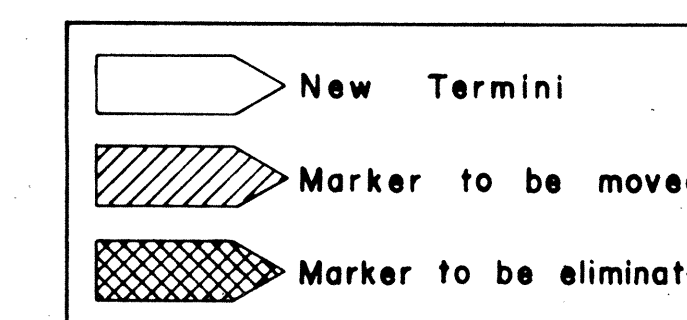
Scale: 1/2" = 1' - 0"



NOTE:

Federal Aid Markers should be placed at the termini of suffix designated sections. Intermediate letter designated markers of adjacent sections located within the limits of new improvements should be moved to the termini of the new work. The same procedure should be followed on each successive improvement until all markers for letter designated sections are eventually eliminated.

METHOD OF MARKING F.A. PROJECTS AT OVERLAPS
(USING NUMBER SUFFIX ON NEW WORK)



APPROVED:

DATE: 1/2/67

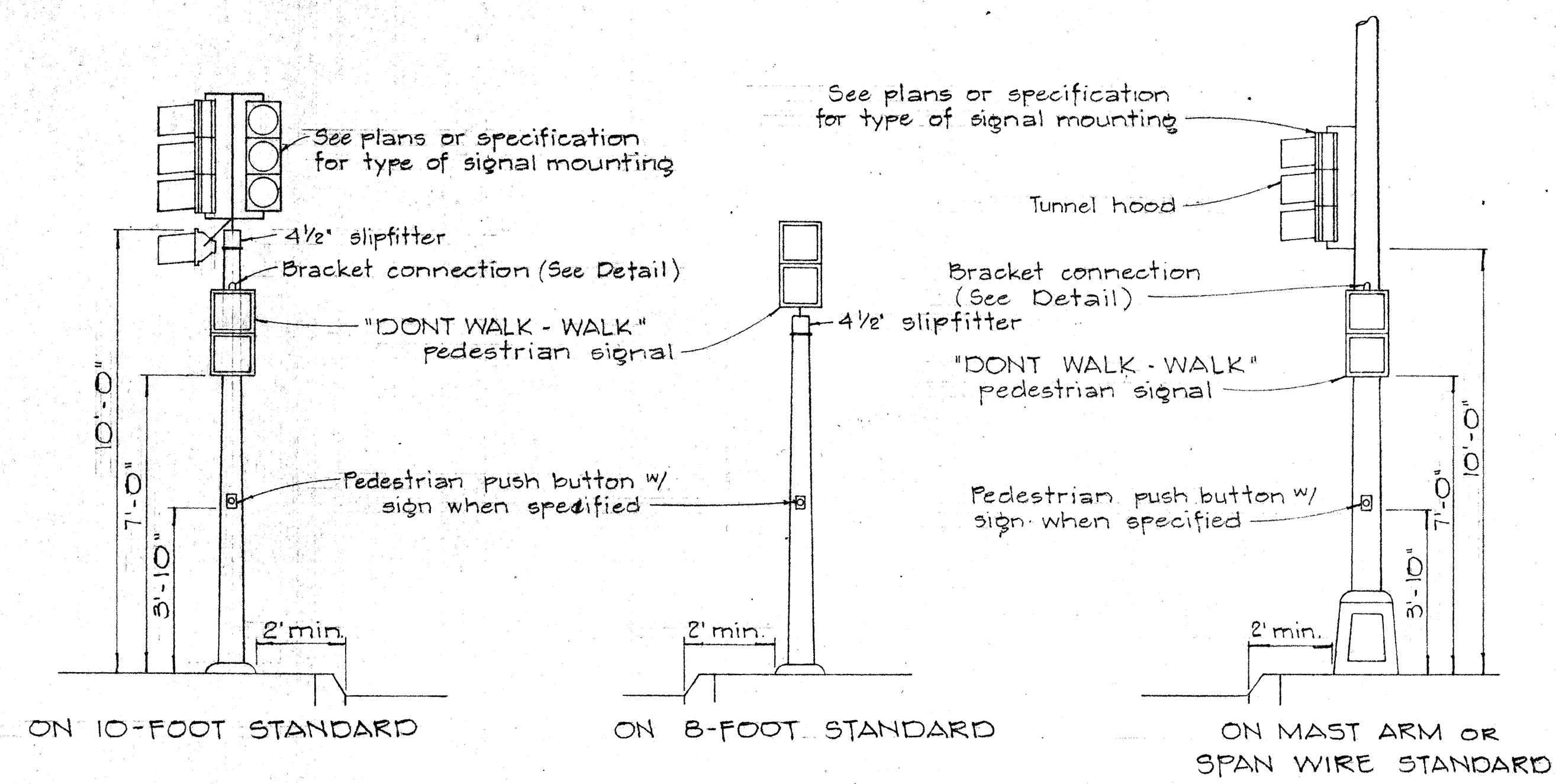
DIRECTOR OF TRANSPORTATION

JANUARY 27, 1967
DECEMBER 8, 1964
REVISED: FEBRUARY 25, 1964

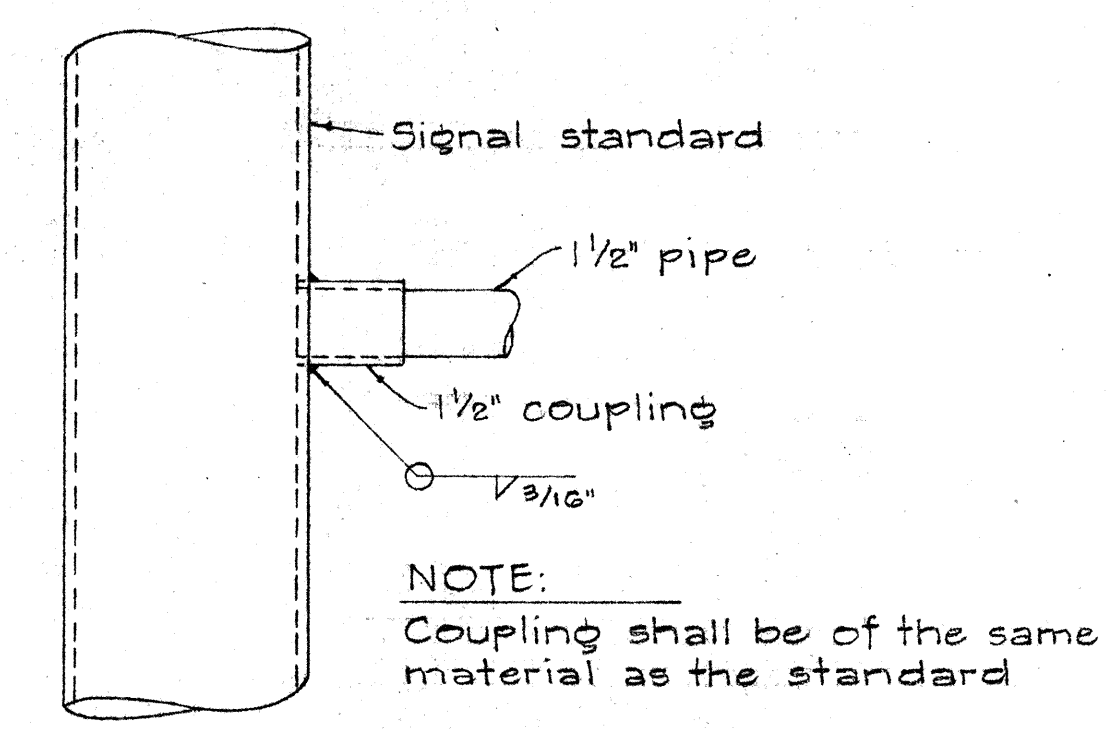
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
F.A. MARKER
AND
MISCELLANEOUS SIGN
DETAILS
Scale: As Shown

SHEET No. 1 OF 3 SHEETS

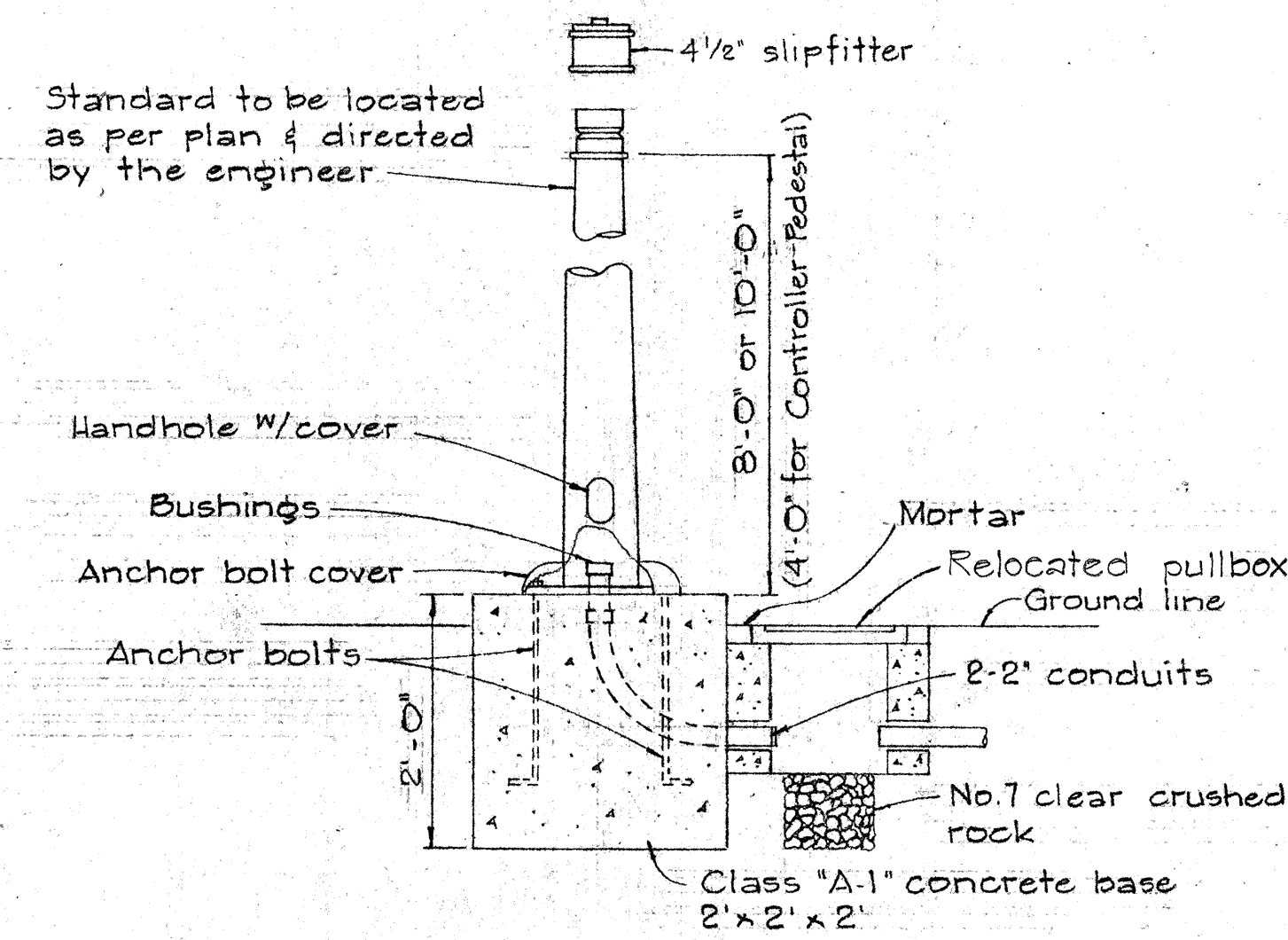
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	720A-02-68	1967	5	6



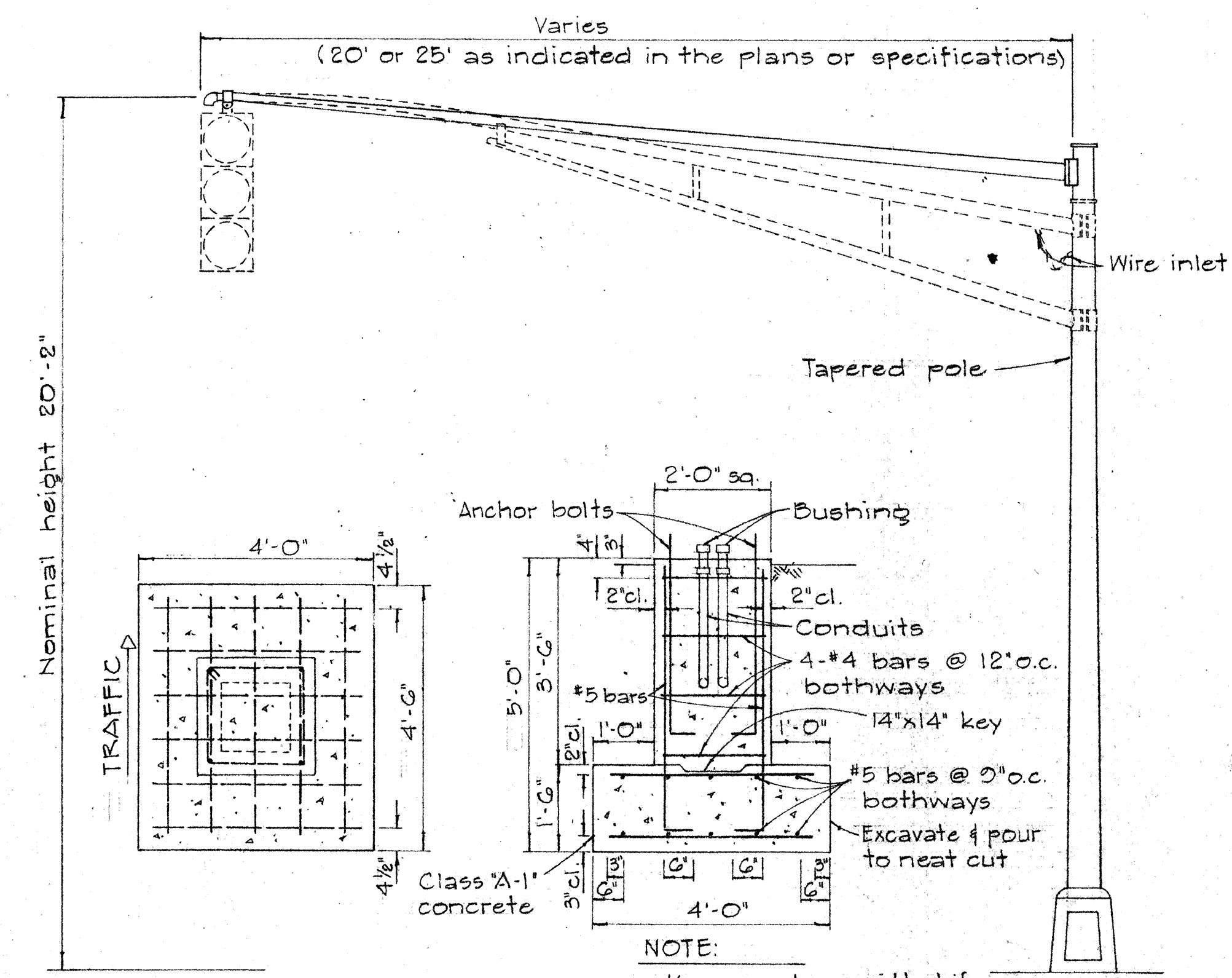
TYPICAL EQUIPMENT MOUNTINGS



DETAIL OF BRACKET CONNECTION

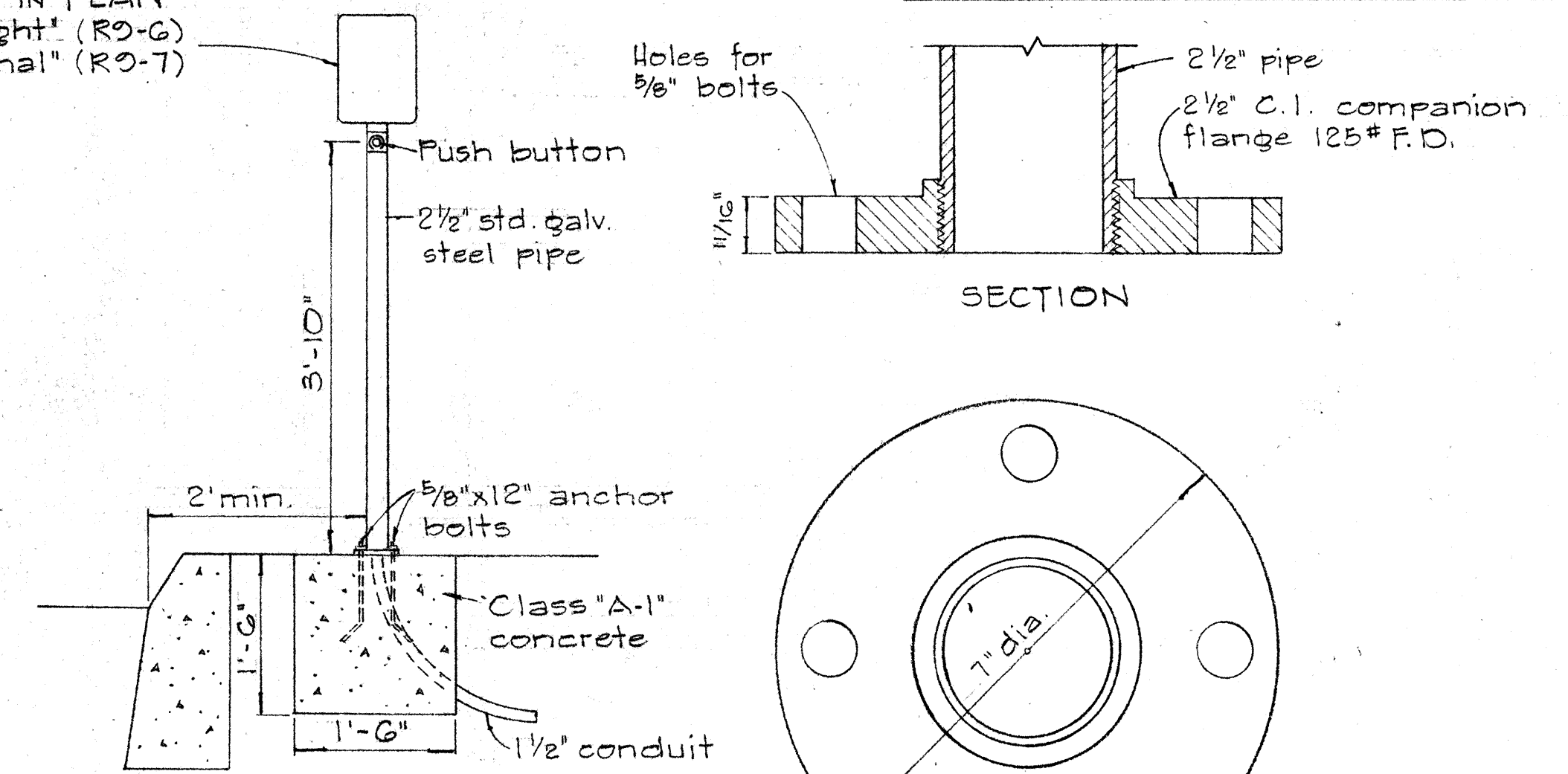
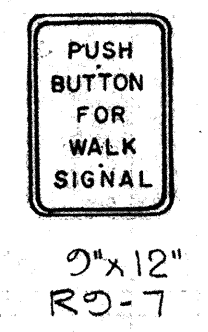


BASE FOR SIGNAL STANDARD OR CONTROLLER PEDESTAL



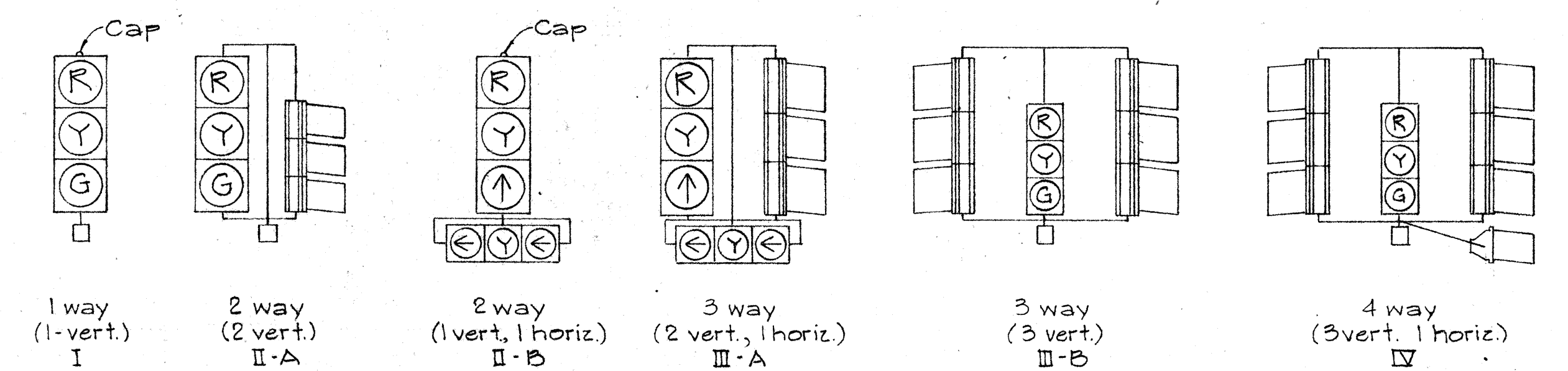
MAST ARM FOOTING AND STANDARD

TRAFFIC SIGN AS SPECIFIED IN PLAN
1. "Push button for green light" (R2-G)
2. "Push button for walk signal" (R2-7)



NOTE:
Conduits shall protrude 2" max. above finished surface of foundation. Post and base shall be painted with one coat of approved primer and two field coats of approved weather proof dark green enamel.

PEDESTRIAN PUSH BUTTON POST



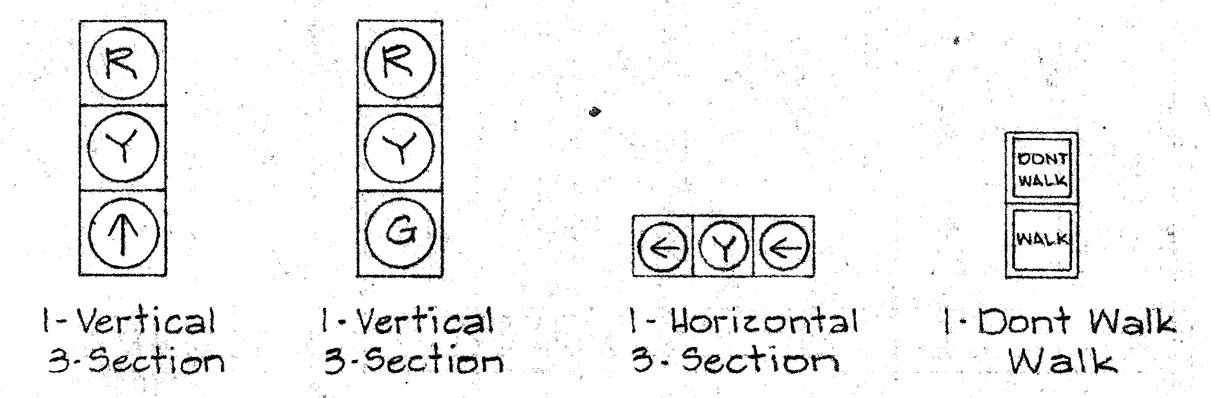
SLIPFITTER MOUNTINGS



BRACKET MOUNTINGS

MAST ARM MOUNTINGS

TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



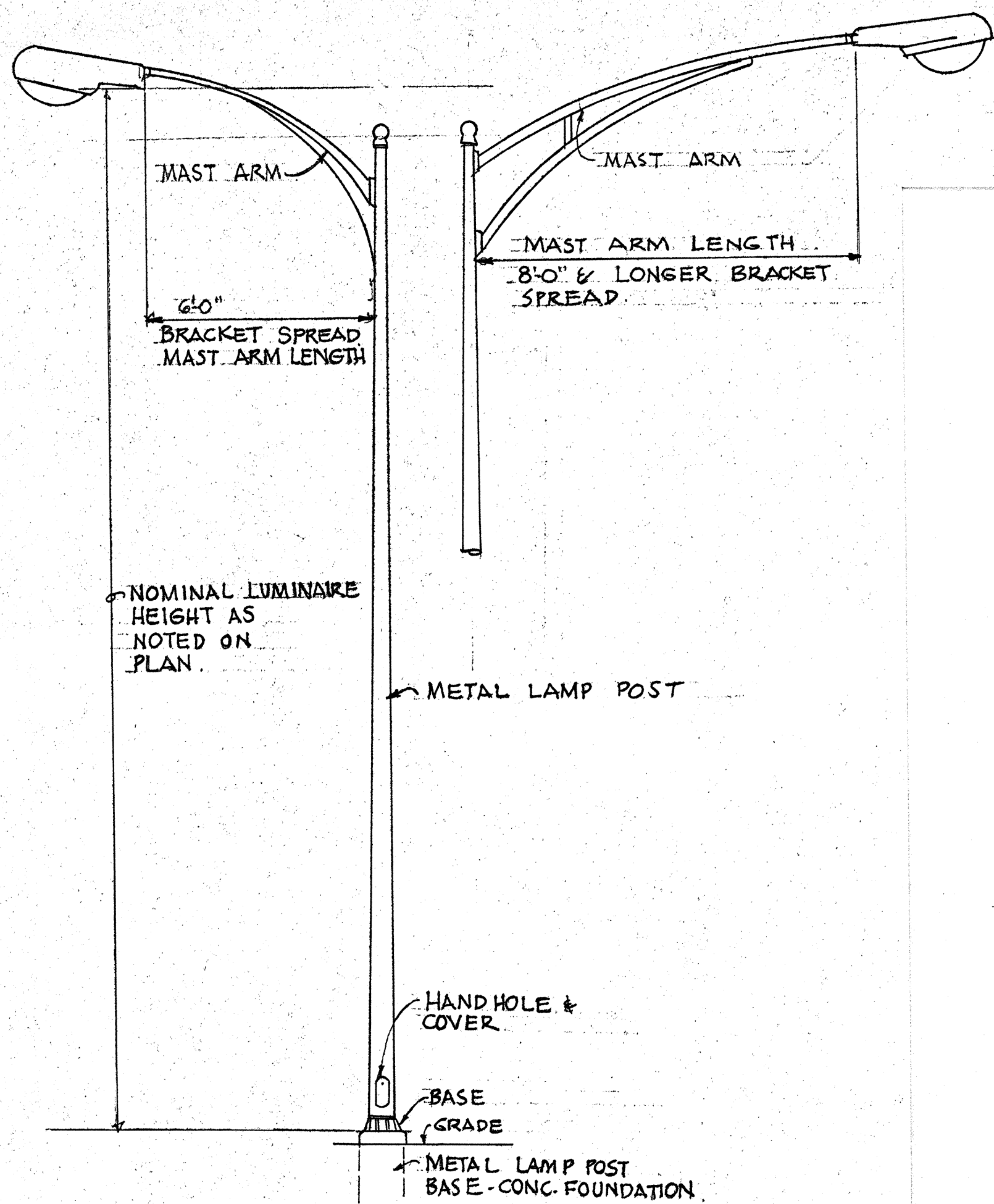
TYPICAL SIGNAL ARRANGEMENTS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM
MISCELLANEOUS DETAILS
MOANALUA RD. IMPROVEMENT
PROJECT, NO. 720A-02-68
Not to scale
Oct. 1967

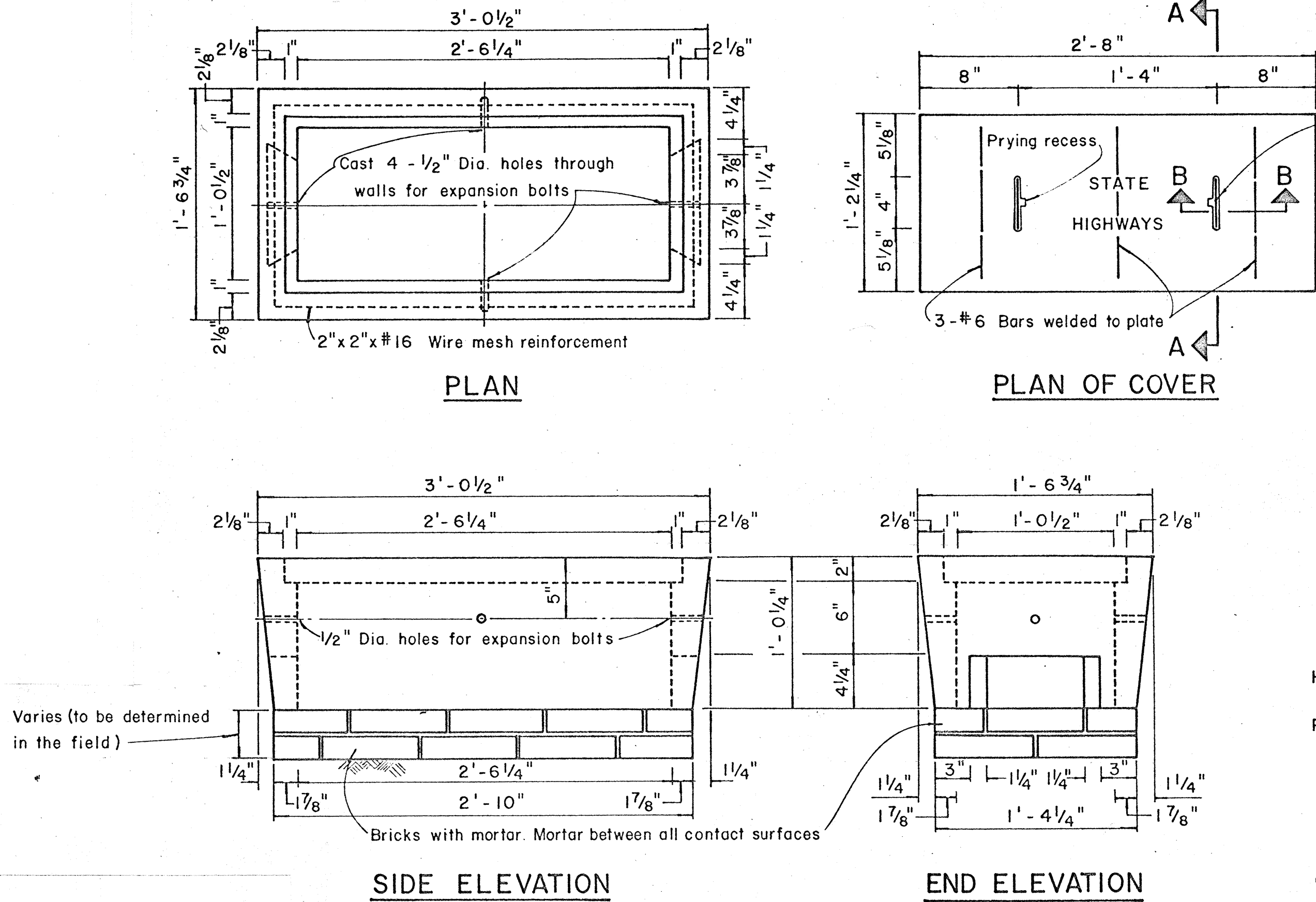
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	720A-02-68	1967	6	6



TYPICAL STREET LIGHTING
METAL LAMP POST

NOT TO SCALE

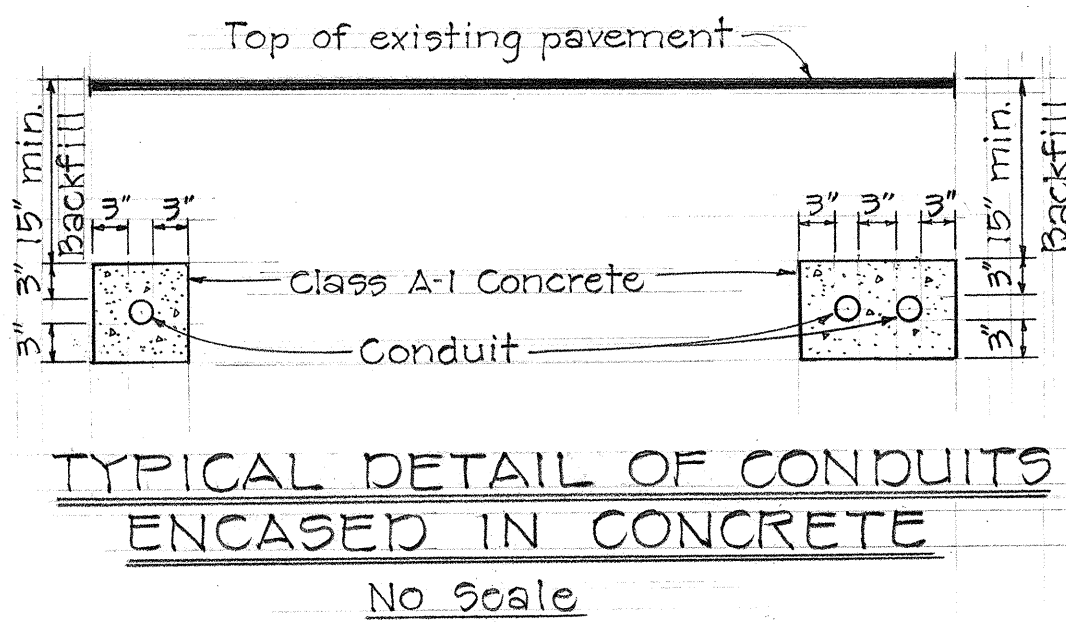
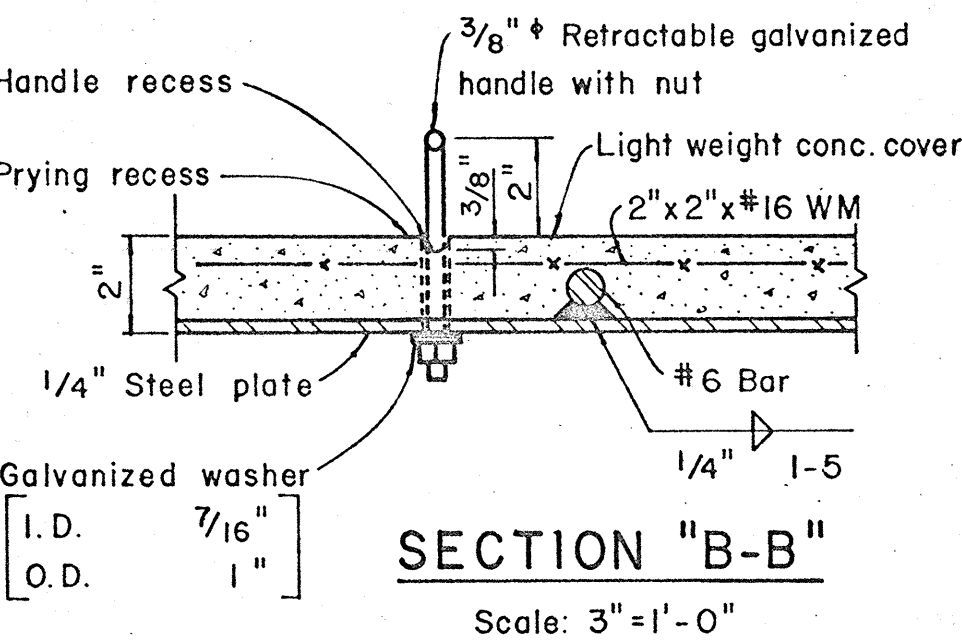
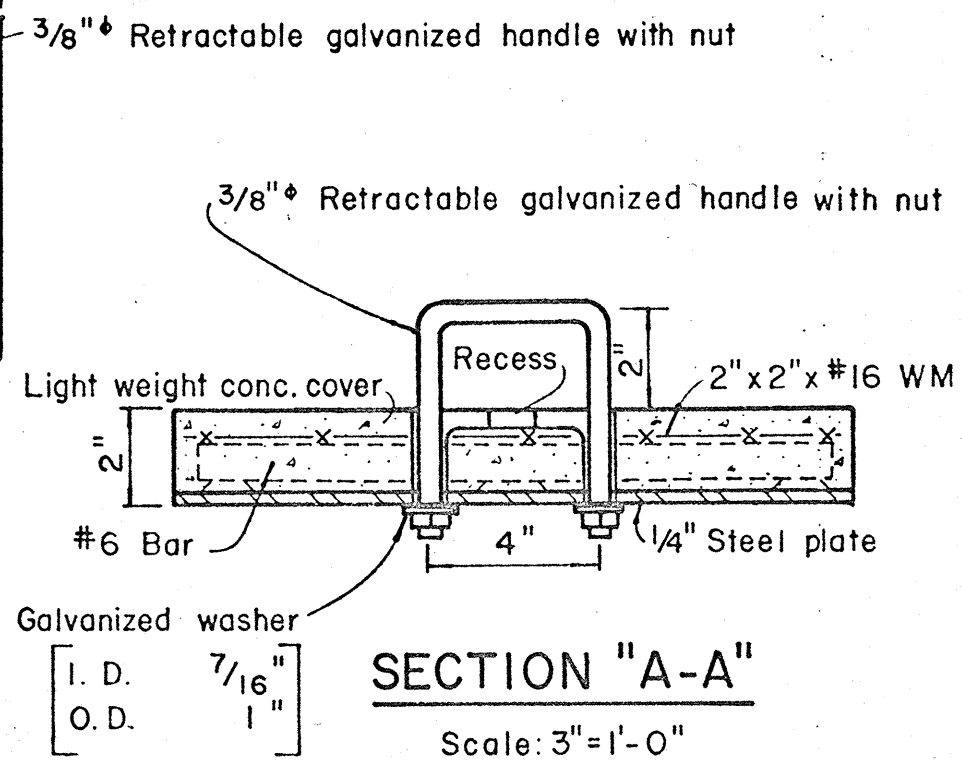


TYPE "C" PULLBOX

Scale: 1/2" = 1'-0"

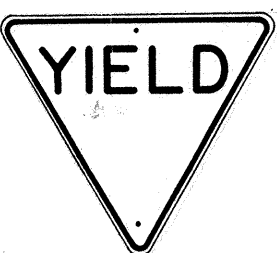
NOTE:

Steel rim shall be welded to bottom of steel cover
if necessary so that top of cover and frame are flush.

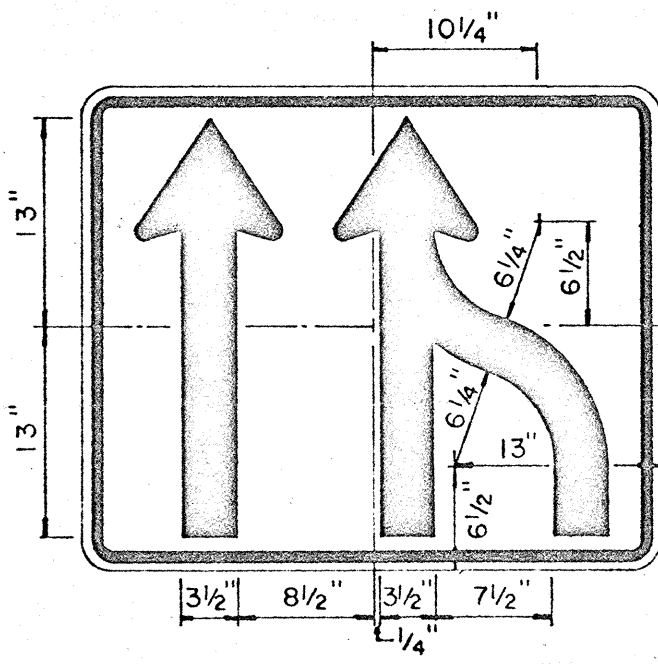


NOTE:

Only Conduits under roadway shall be
encased in concrete.



R1-2 36"x 36"x 36"



R3-10 36" x 30"

NOTE:

- The shape, color, plate details, lettering and reflectorization of Regulatory signs (Prefix R) and Warning signs (Prefix W) shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," dated June 1961 and the BPR manual "Standard Highway Signs," dated September 1961 unless otherwise specified.
- All regulatory and warning signs shall be reflectorized unless otherwise specified.
- All regulatory and warning signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise specified.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS
DETAILS

MOANALUA RD. IMPROVEMENT

PROJECT No. 720A-02-68

Scale: As Noted Oct. 1967

SHEET No. 3 OF 3 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	