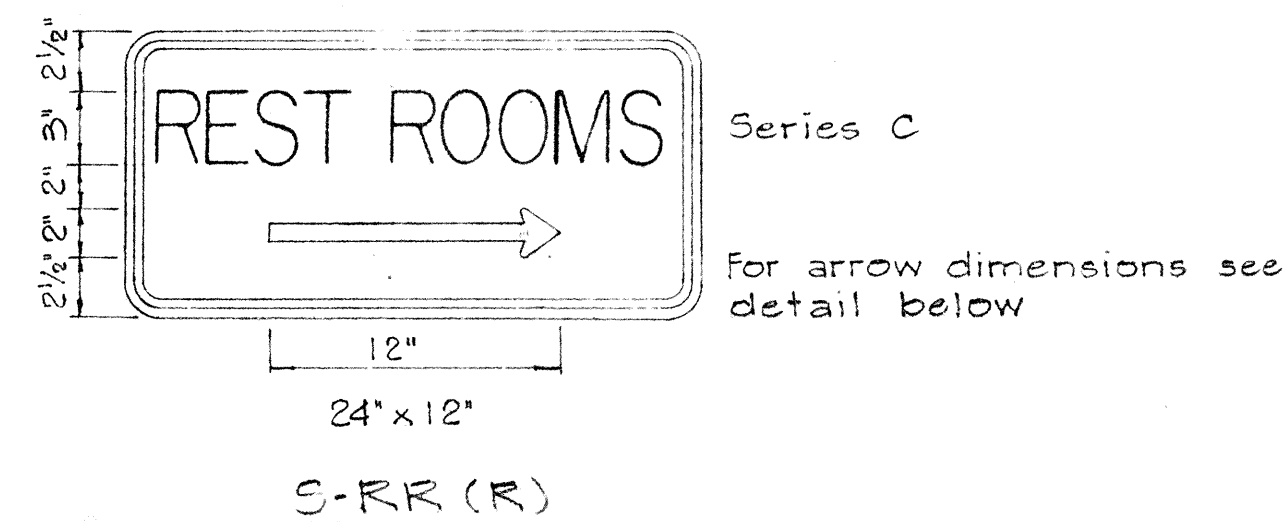
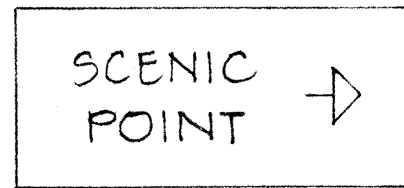
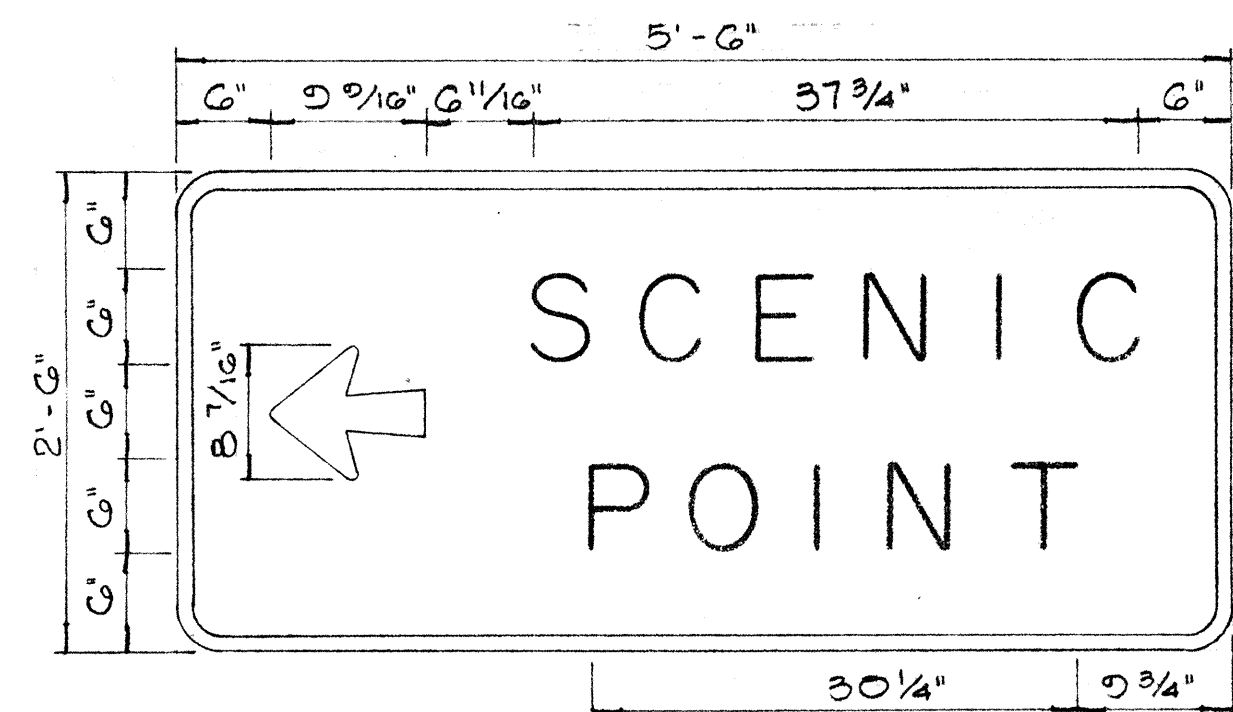


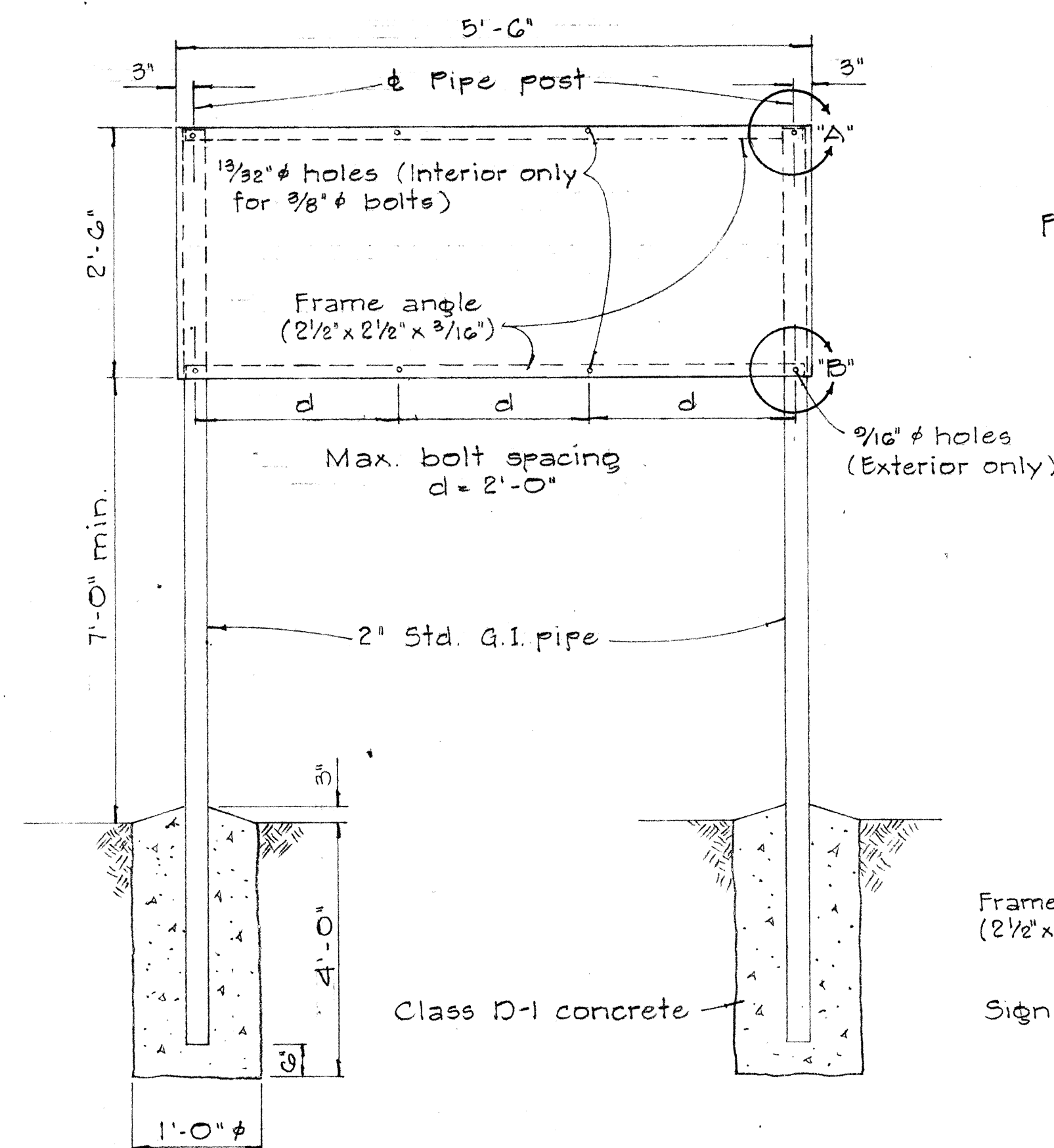
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LSF-050-1(1)	1967	13	15

LSF-050-1(2)
LSF-050-1(4)
LSF-050-1(1)
LSF-050-1(3)

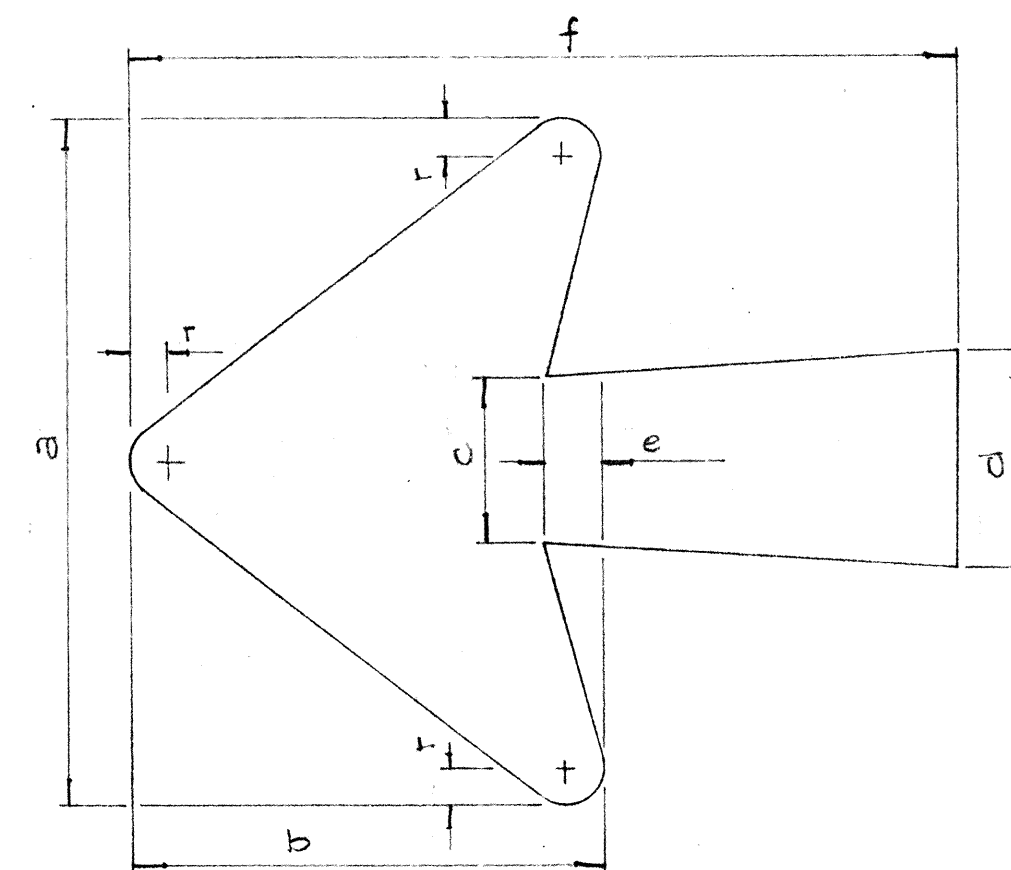


GENERAL NOTES

- 1 Sign message shall be lettered in upper case according to "Standard Alphabets for Highway Signs," Bureau of Public Roads, 1952, and lower case according to "Standard Lower Case Alphabets for Highway Signs," Bureau of Public Roads, 1962. Use Series "E" modified letters unless otherwise noted.
- 2 Arrows shall conform with details as shown on plan.
- 3 Signs legends and borders shall be reflectorized white on reflectorized green background unless otherwise noted.
- 4 Sign panels shall be made from 0.100" thick sheet aluminum.
- 5 Sign S-RR() shall be reflectorized white on reflectorized blue background.
- 6 (R) or (L) indicates right or left and shall be as shown on the plans.

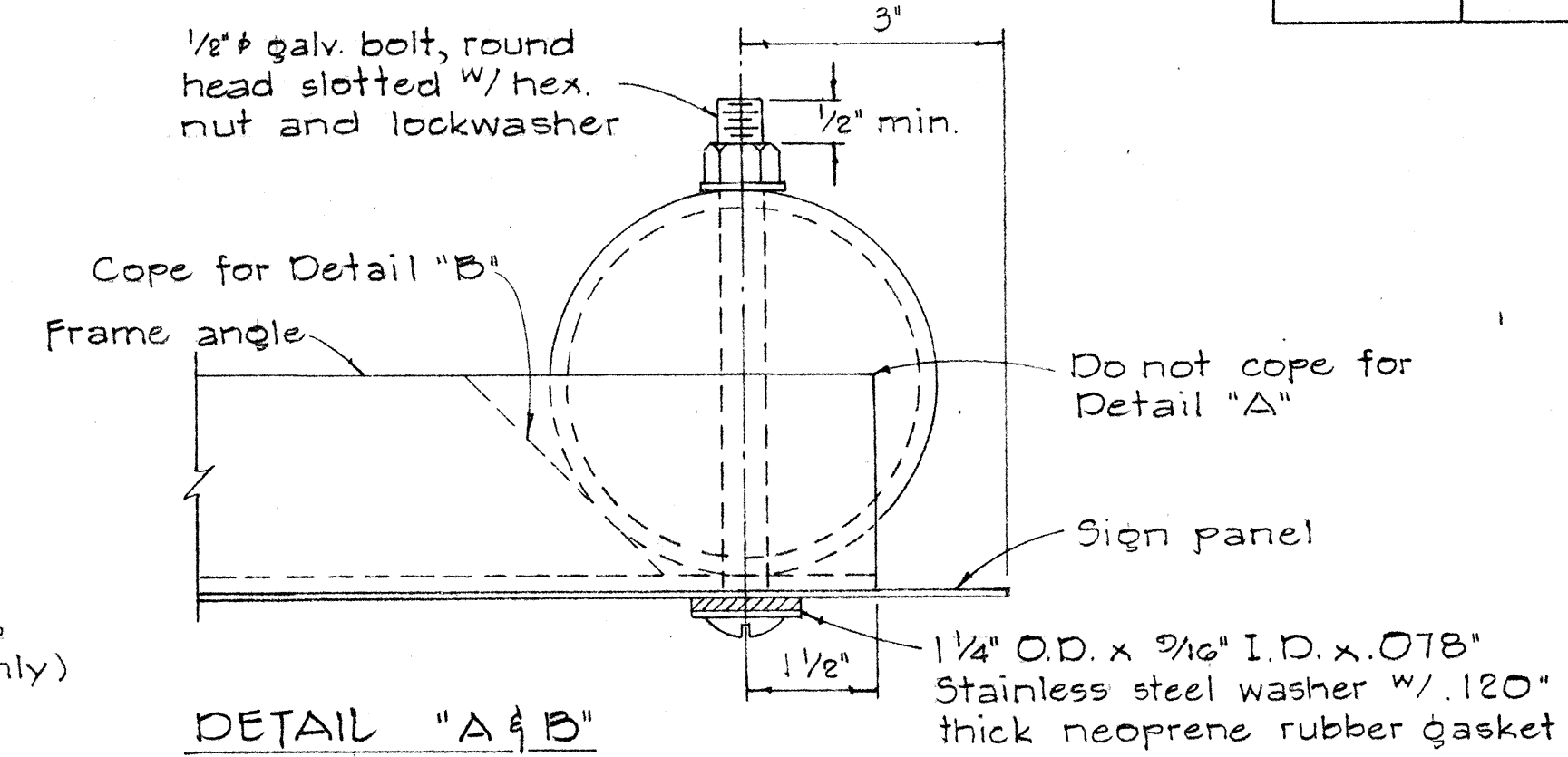


D-SP
ELEVATION

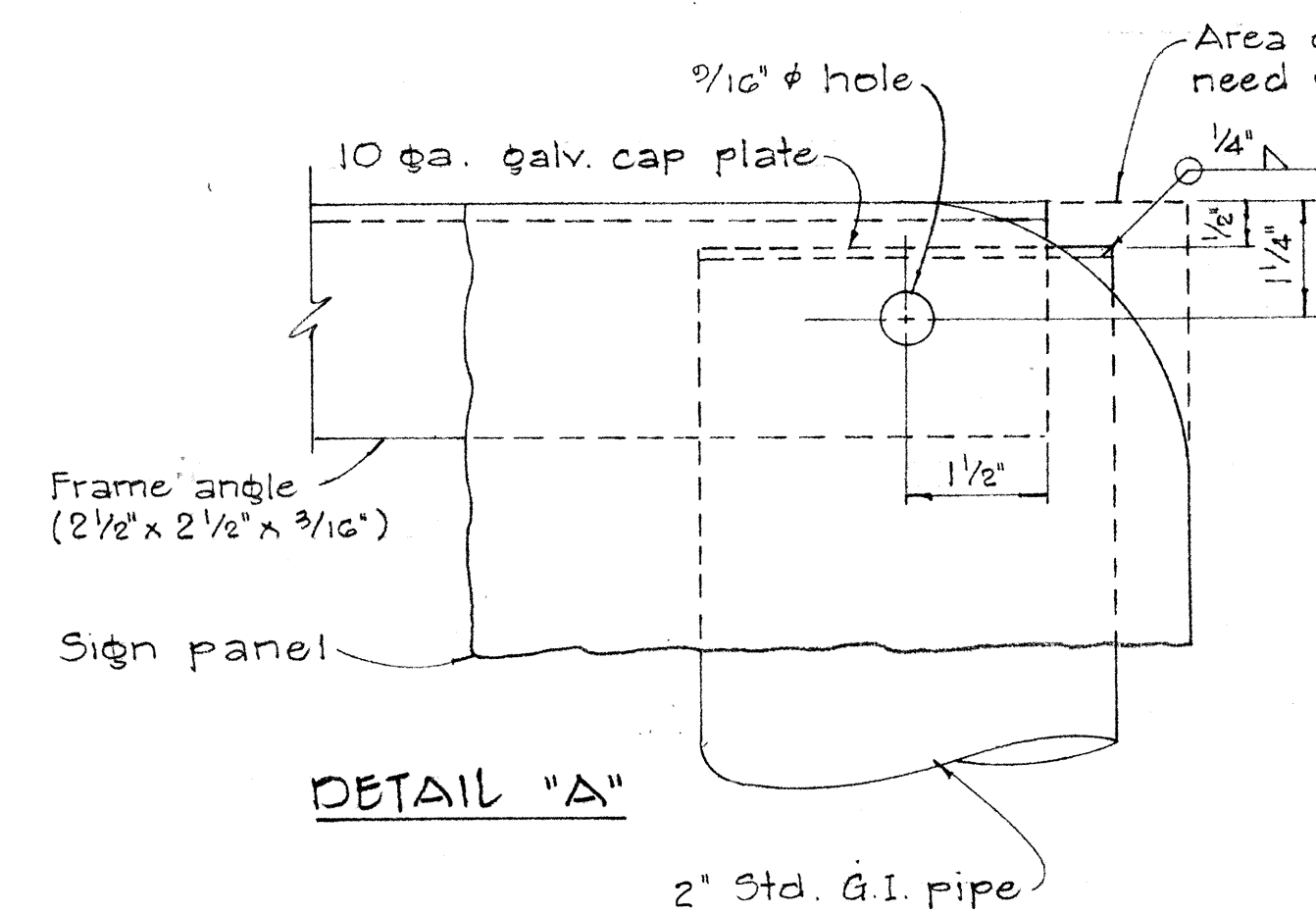


Arrow Size	Arrow Dimensions in inches						
	a	b	c	d	e	f	g
8 7/16" x 2 1/16"	8 7/16	5 1/16	2 1/16	2 1/16	5/8	2 1/16	1/2
2" x 12"	2	1 1/8	3/4	3/4	1/8	12"	1/8

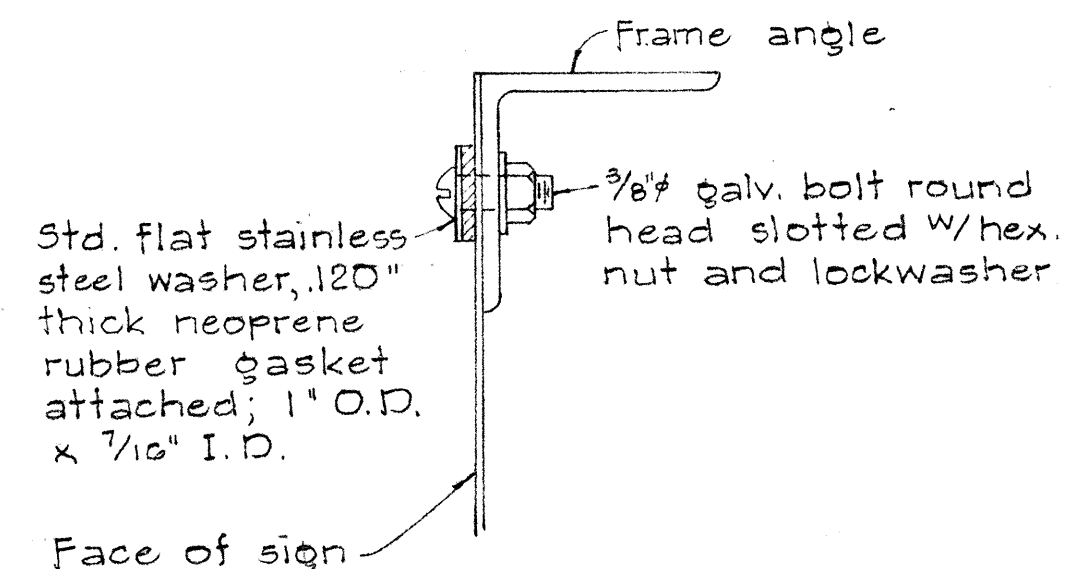
TYPICAL ARROW DETAILS



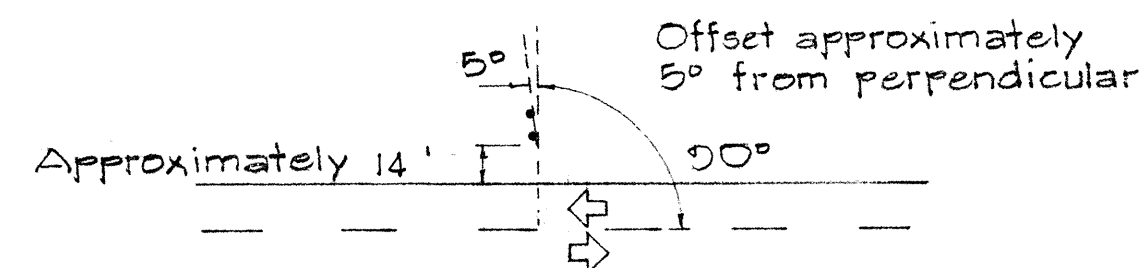
DETAIL "A & B"



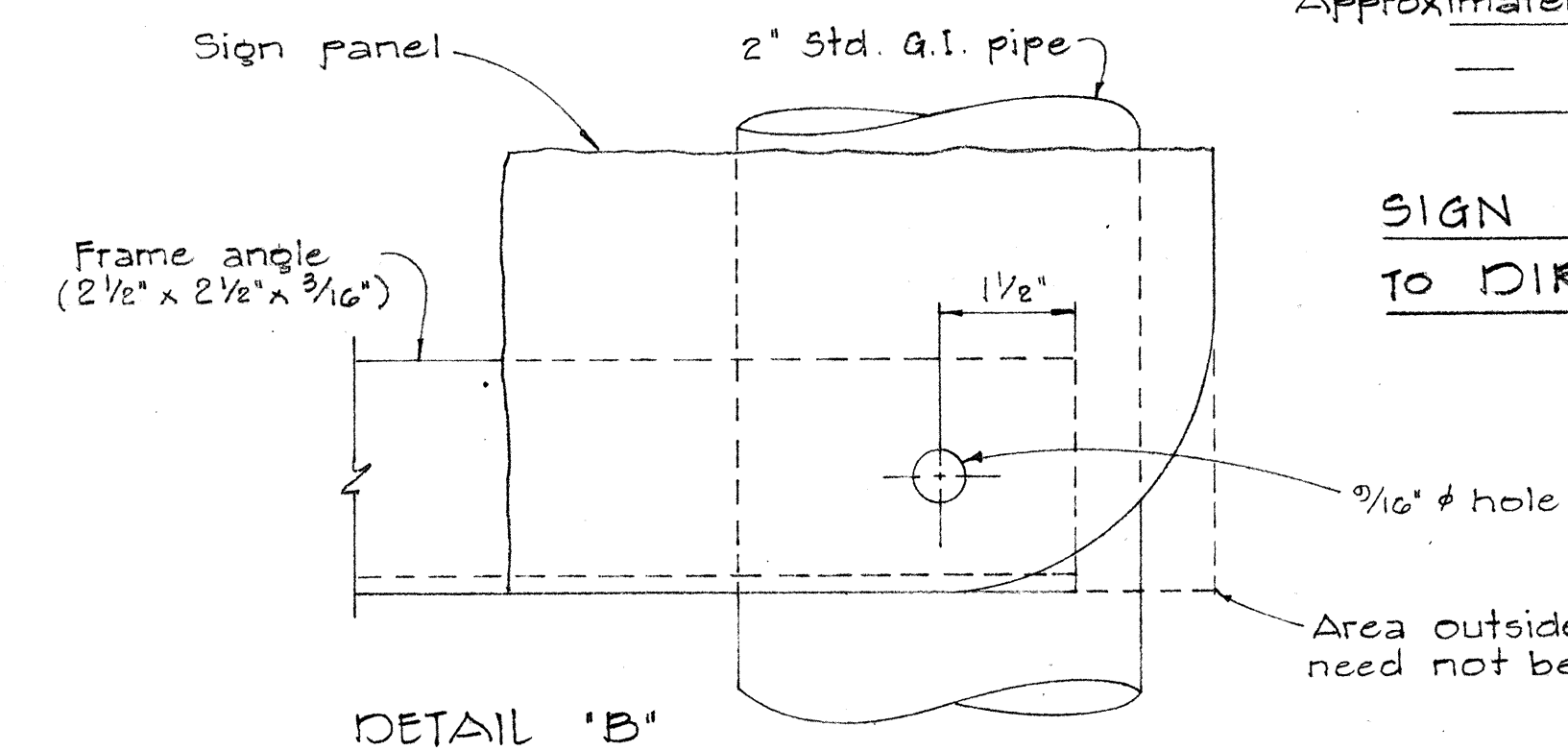
DETAIL "A"



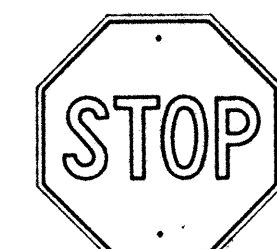
ATTACHMENT OF SIGN PANEL
TO FRAME



SIGN POSITION W/ RELATION
TO DIRECTION OF TRAFFIC



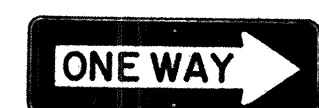
DETAIL "B"



R1-1
30" x 30"



R5-1
24" x 24"



RG-1 (R)
36" x 12"



RG-2 (R)
18" x 24"

NOTES:

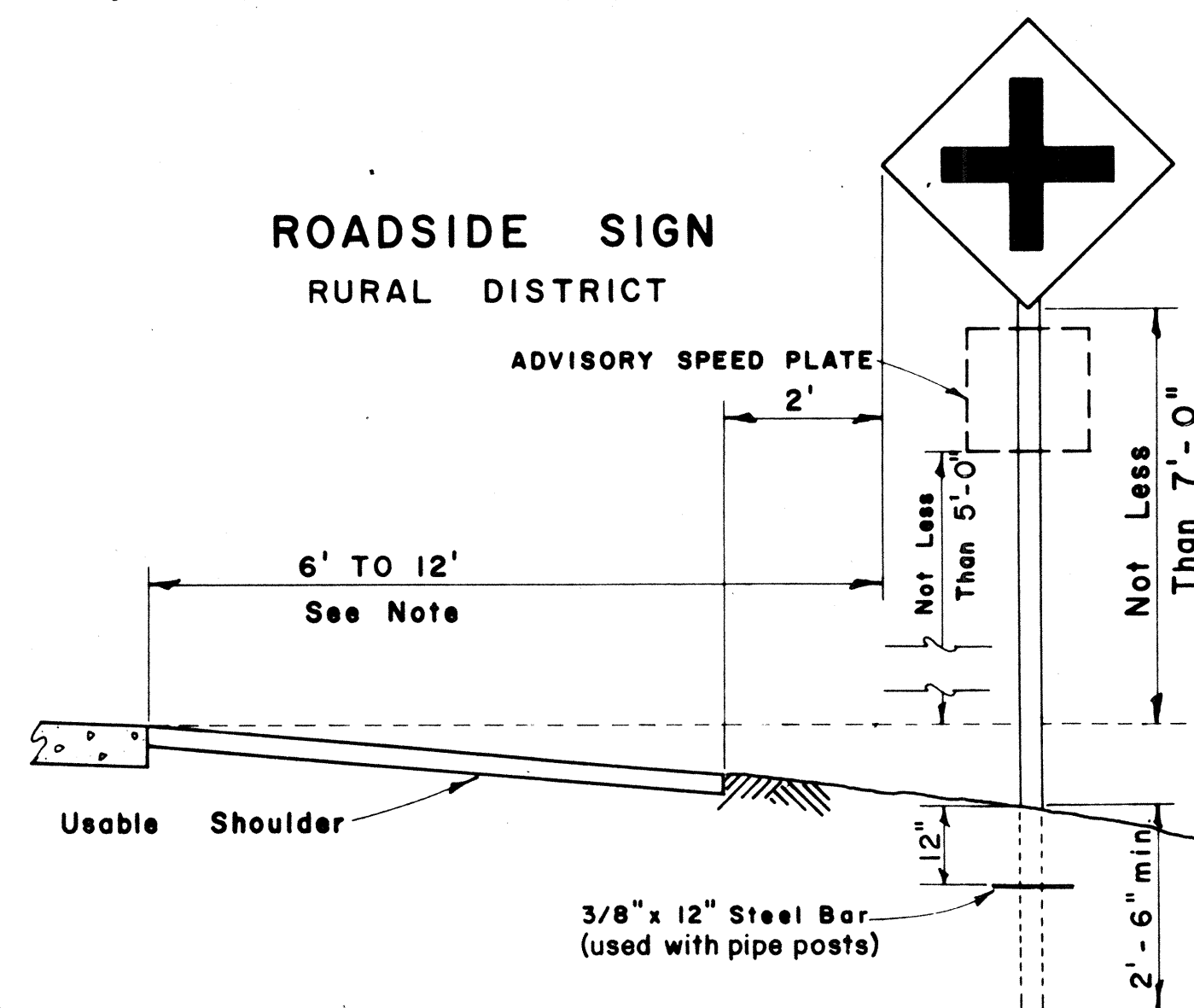
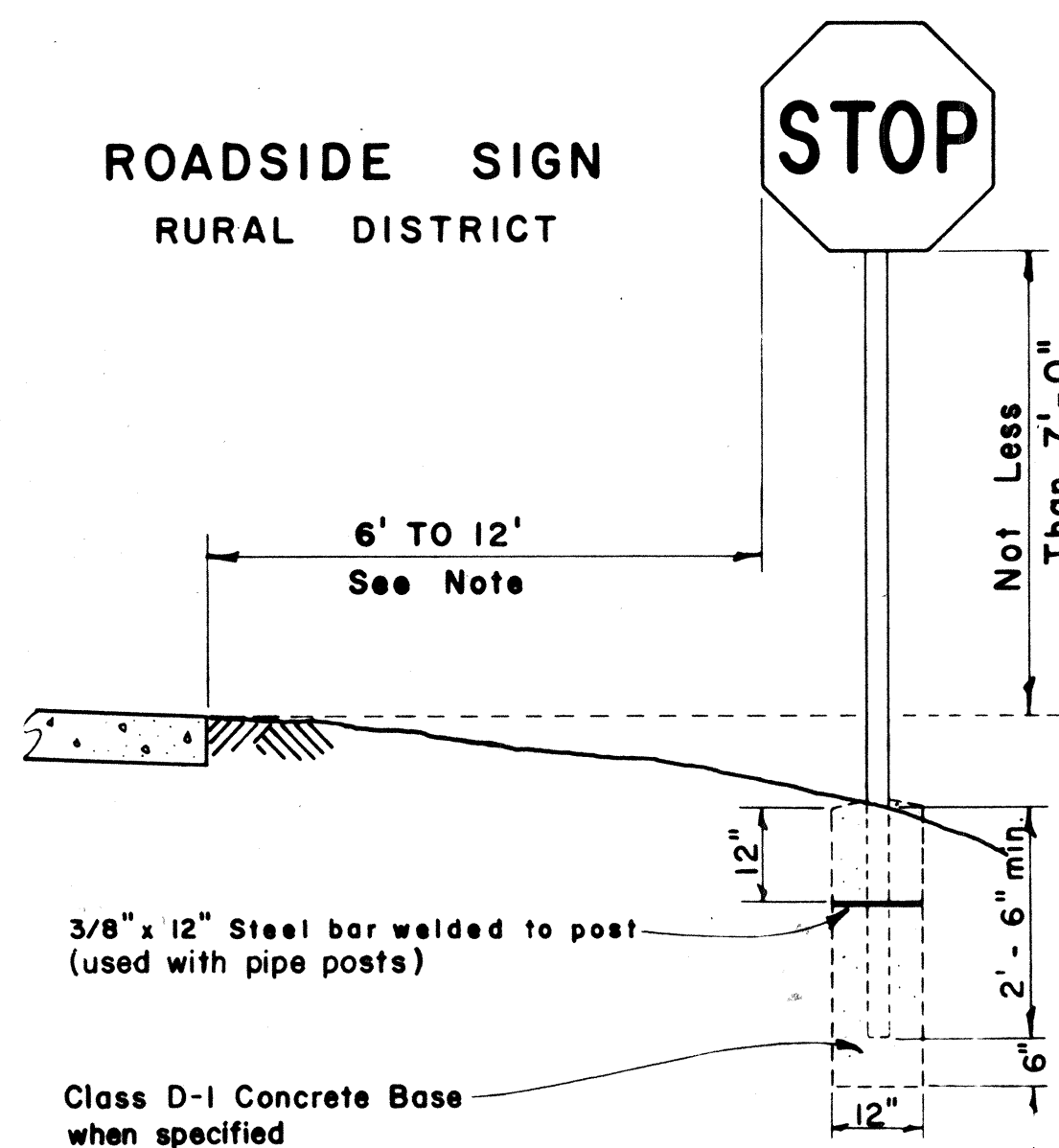
- 1 The shape, color, dimensions, symbols, wording, lettering and reflectorization of all signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," dated June 1961 and the BPR manual "Standard Highway Signs," dated September 1961 unless otherwise specified.
- 2 All regulatory signs shall be reflectorized unless otherwise specified.
- 3 All regulatory signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise noted.
- 4 (R) or (L) indicates right or left and shall be as shown on the plans.

REGULATORY SIGNS

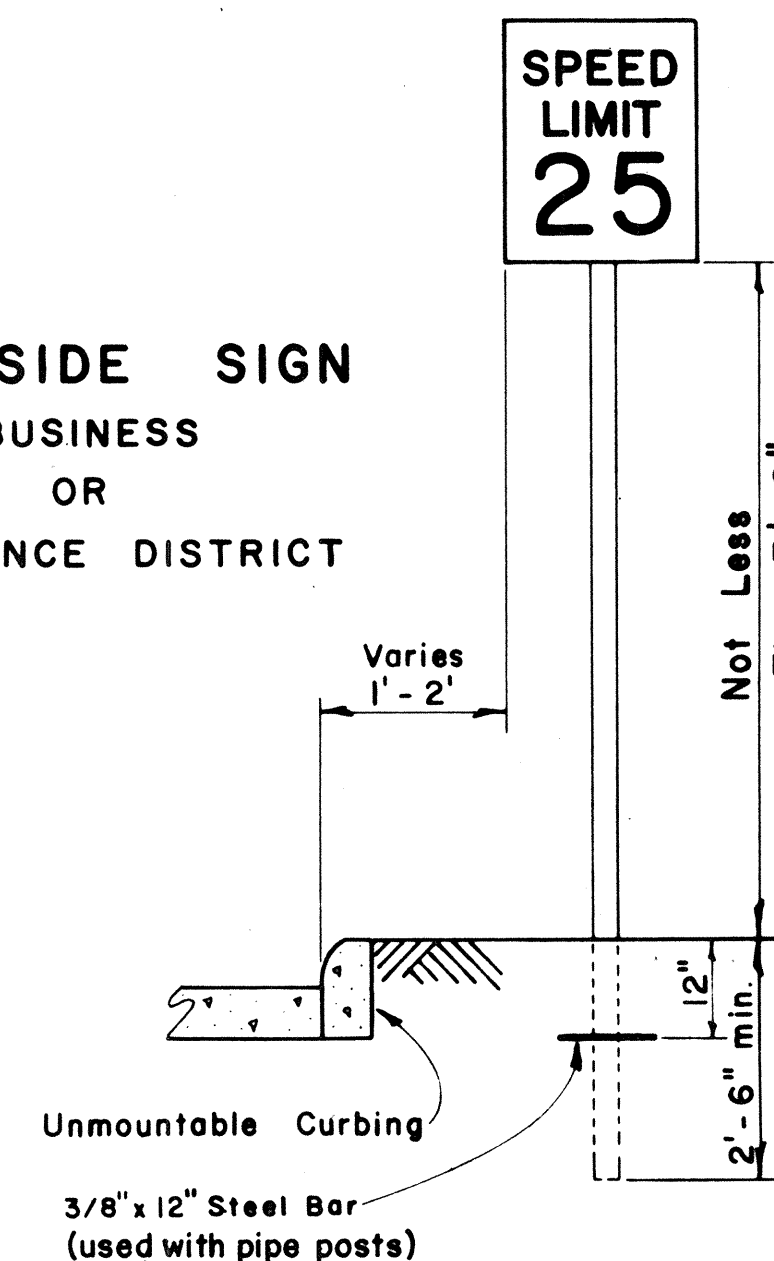
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DIRECTIONAL SIGN (D-SP)
AND STANDARD DETAILS

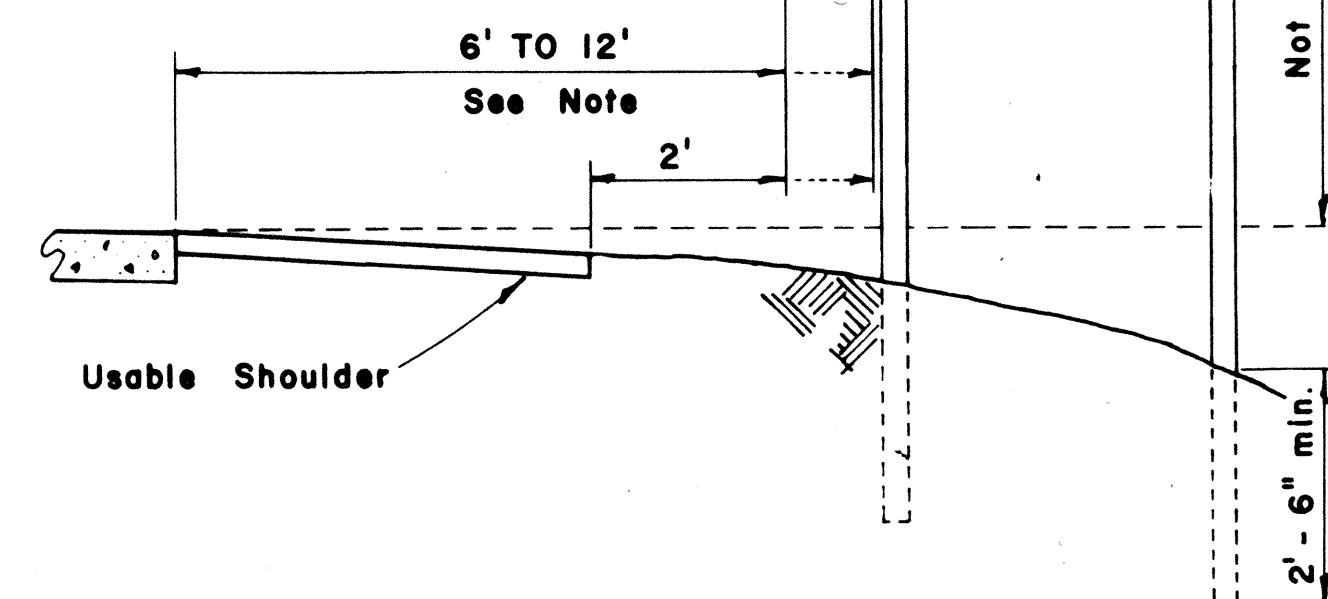
- NOTE:
- All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 - Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs longer 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 2" galv. std. pipe or two 2" x 2" galv. square tube posts.



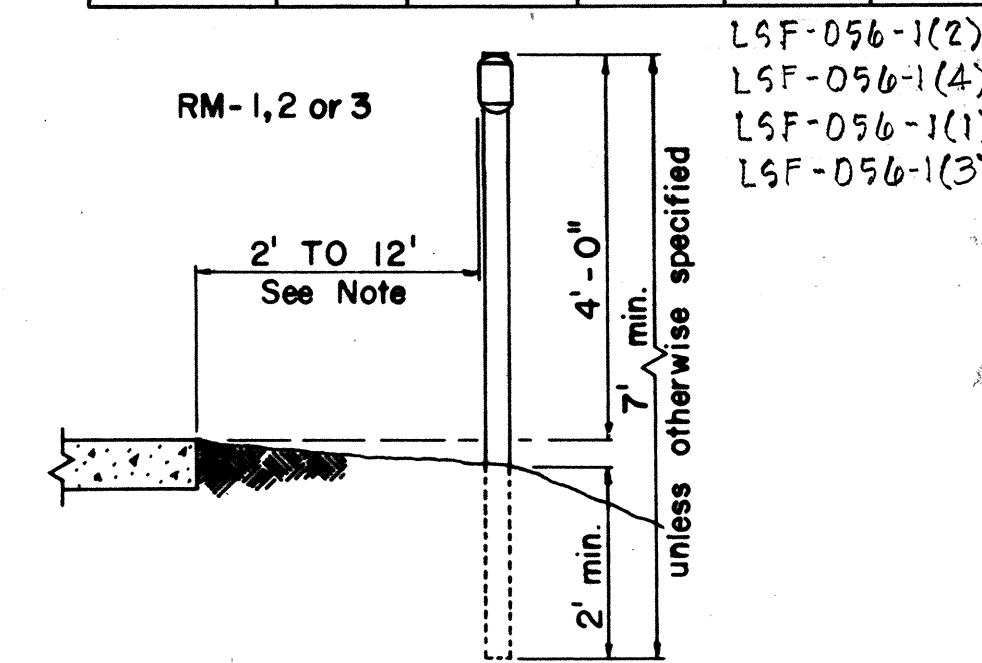
ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT



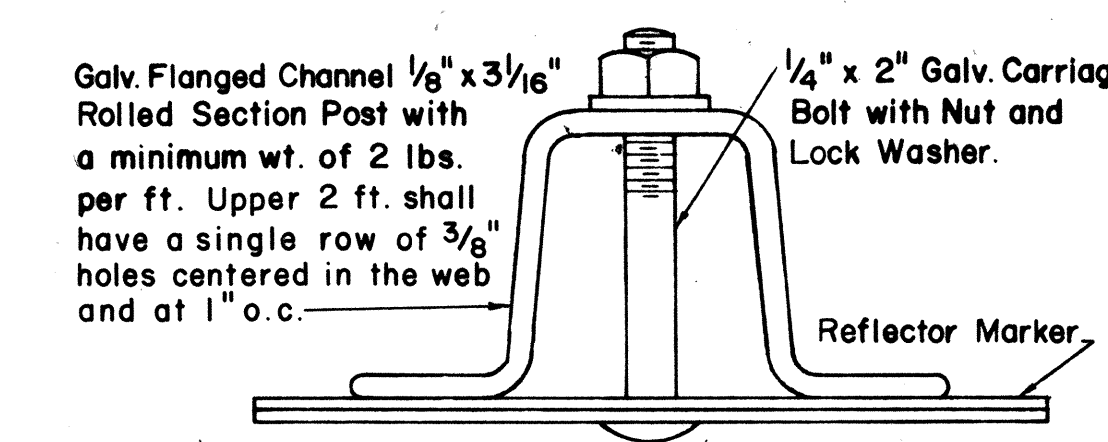
ROADSIDE SIGN
(DOUBLE POSTS)



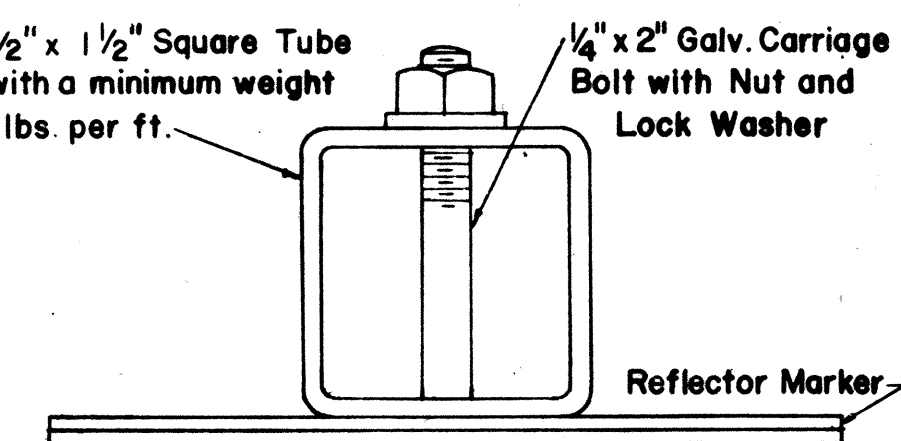
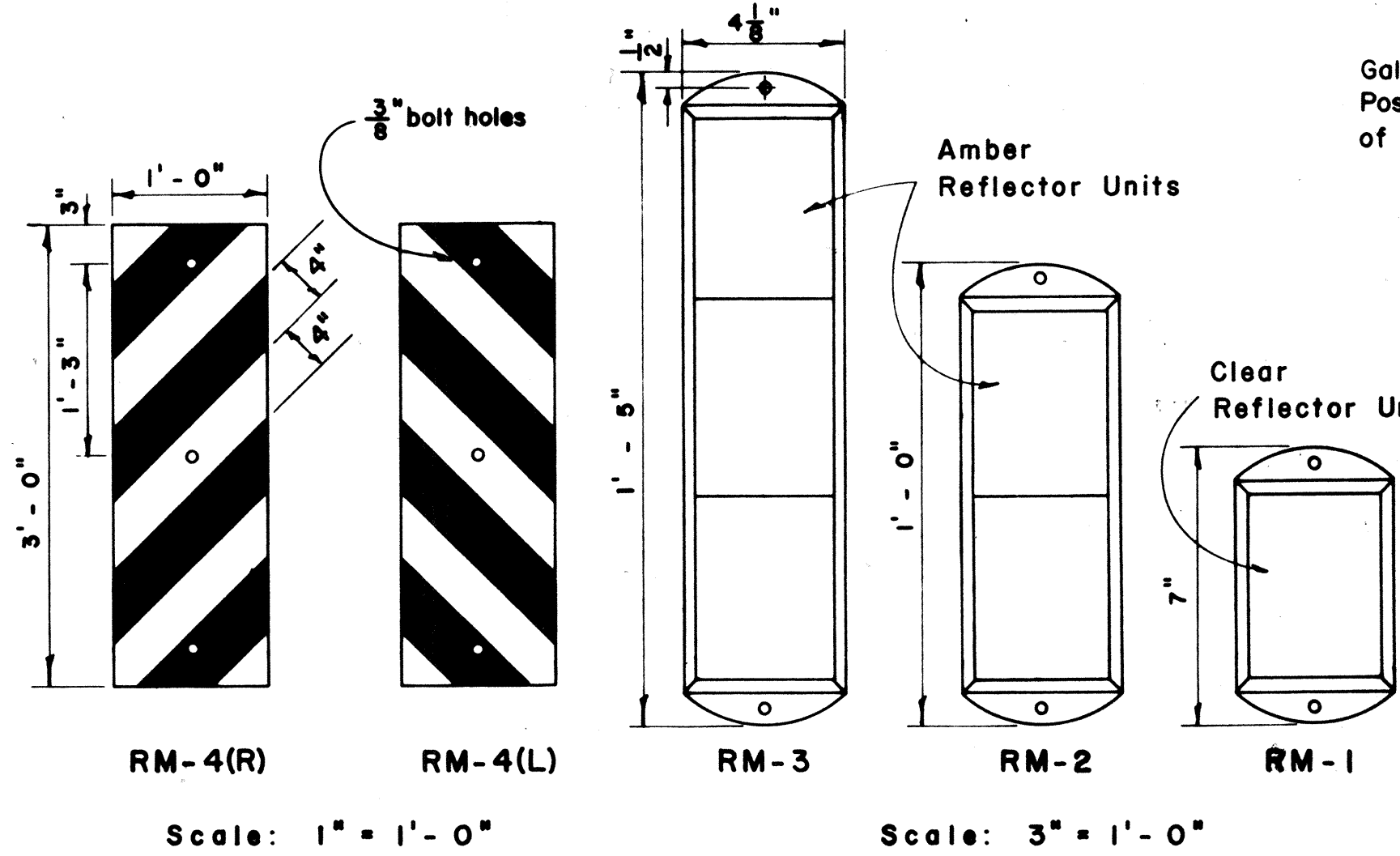
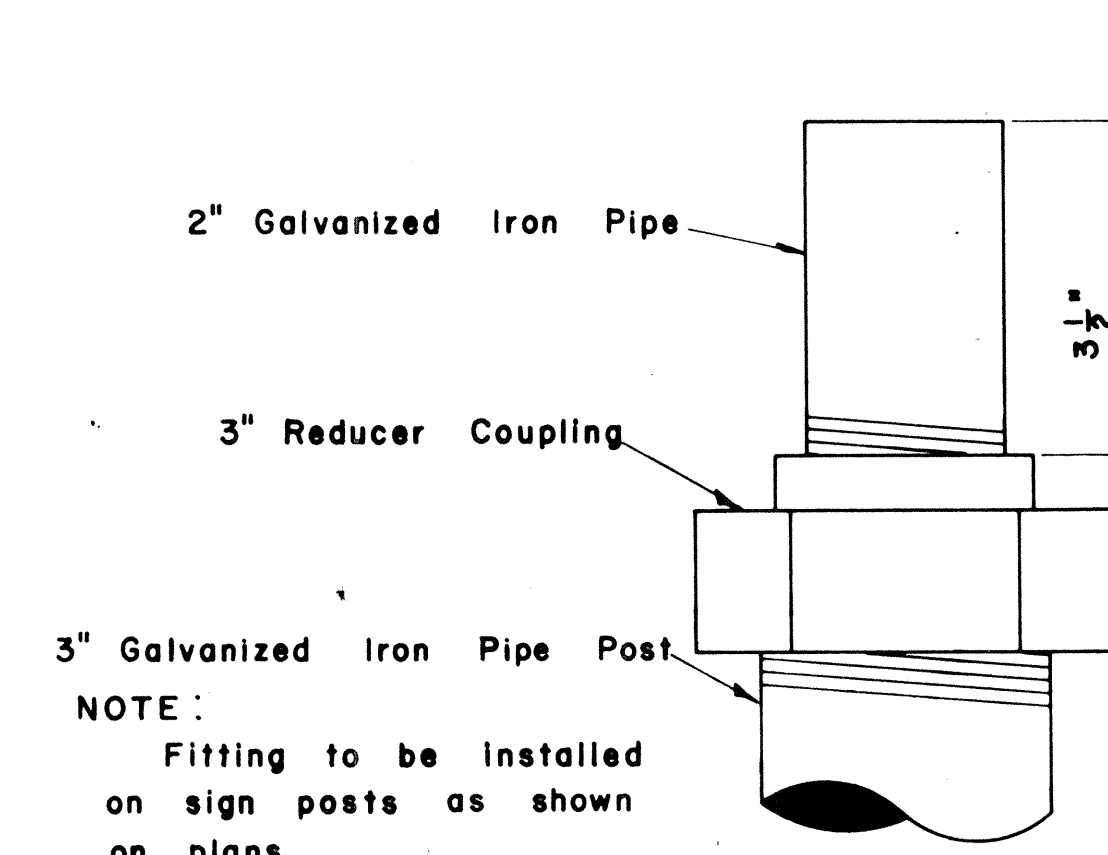
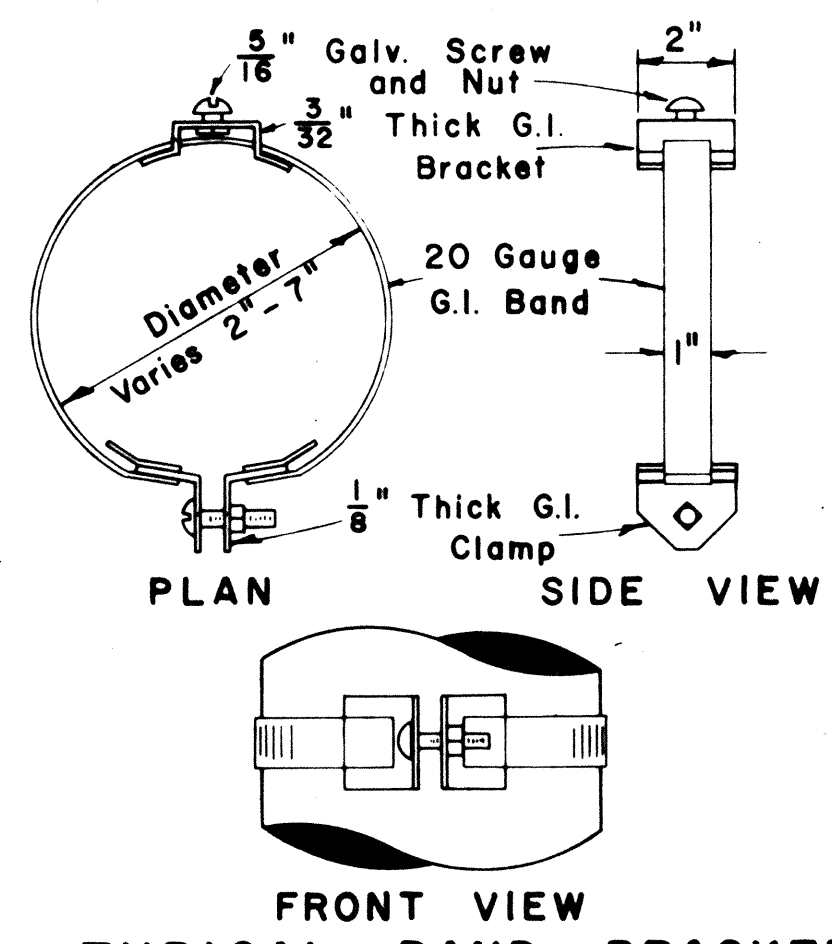
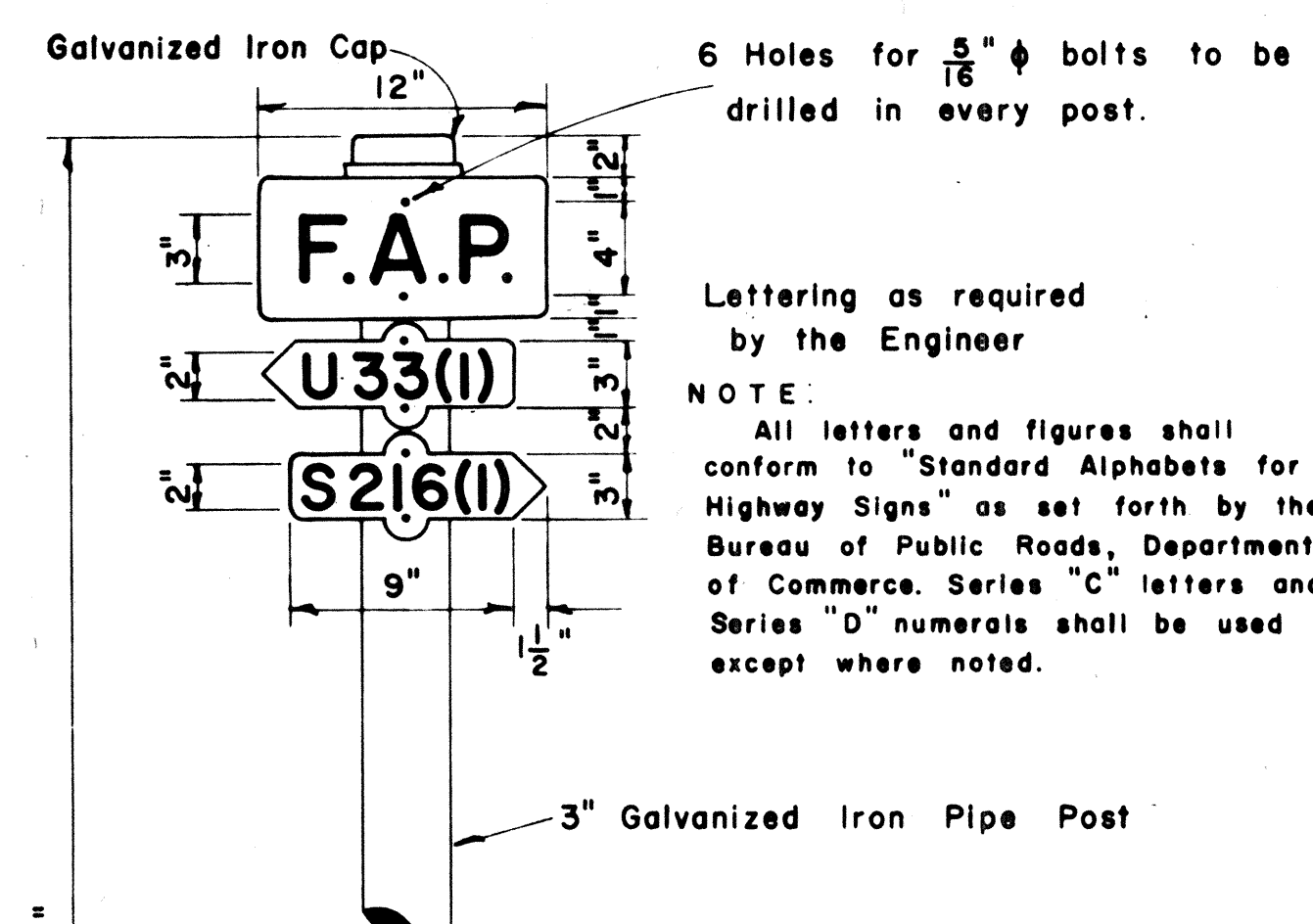
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LSF-050-1(1)	1967	14	15



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

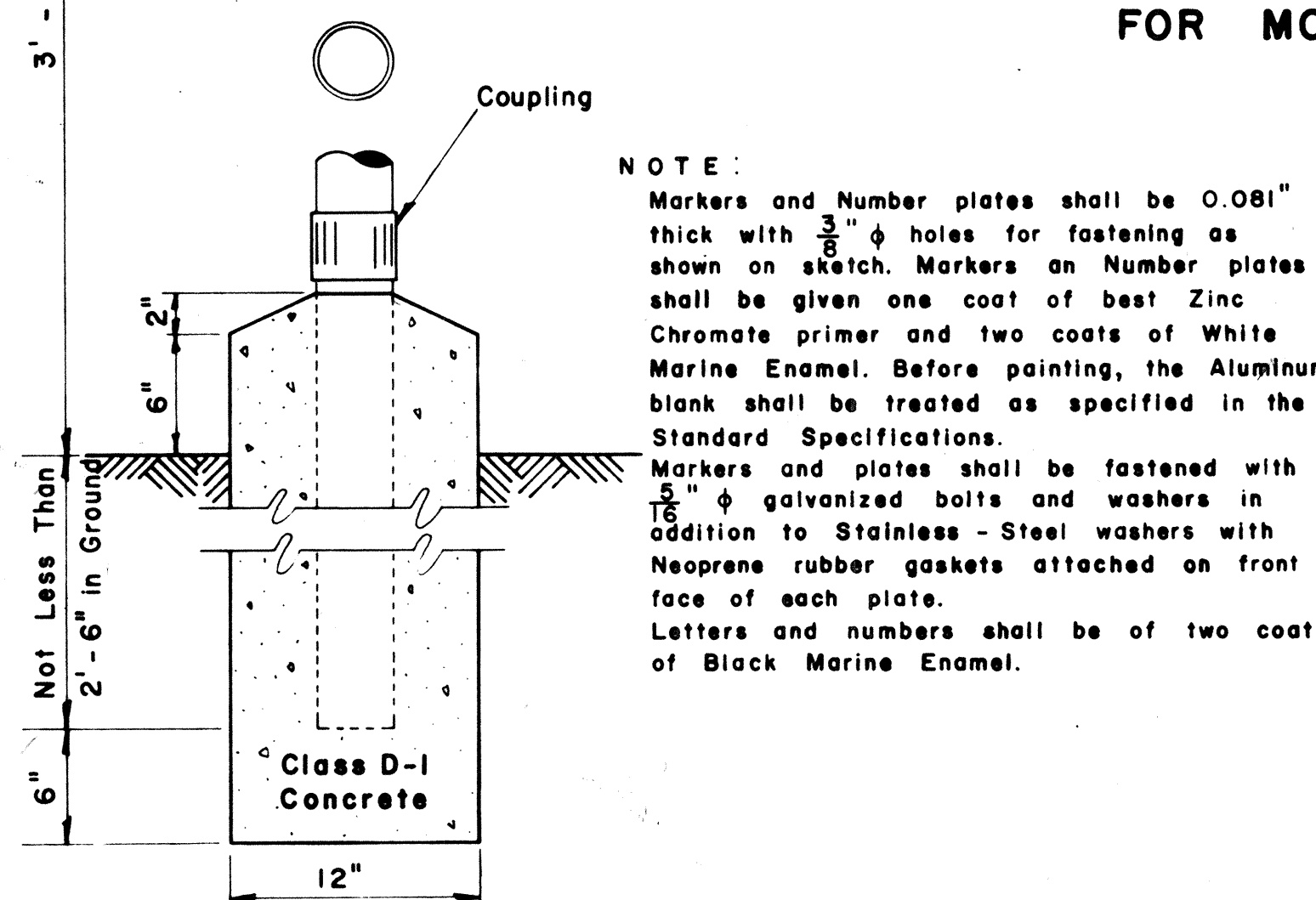


HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

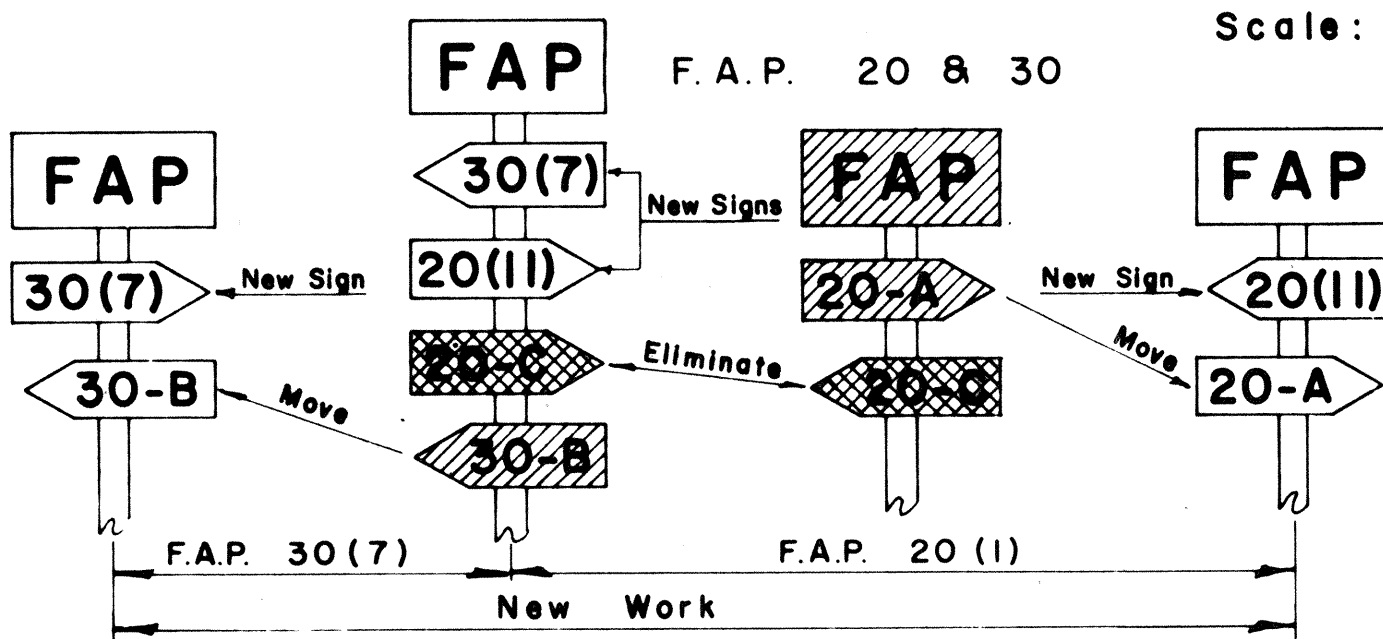


TYPICAL SECTION OF ROAD DELINEATOR
Full Size

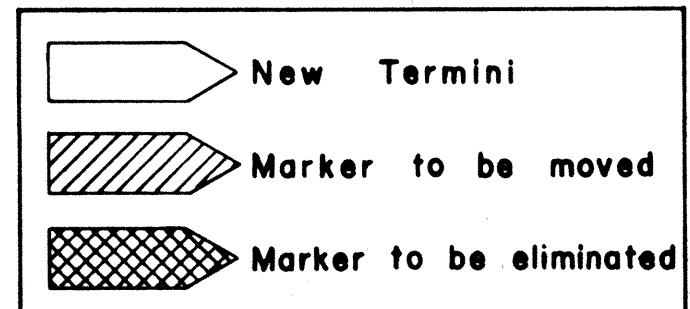
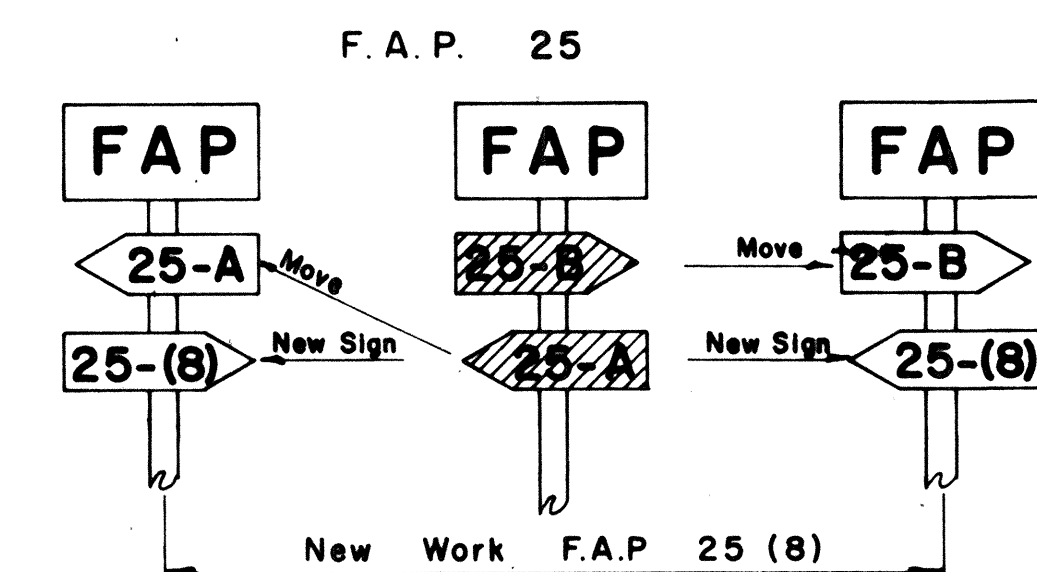
NOTE: Reflector Markers RM-1,2,3 shall be glass sphere reflector markers with 4" x 5" reflector units (as shown) or plastic prismatic reflector markers with 3" diameter reflector units.



FEDERAL AID MARKER
Scale: 1/2" = 1'-0"



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



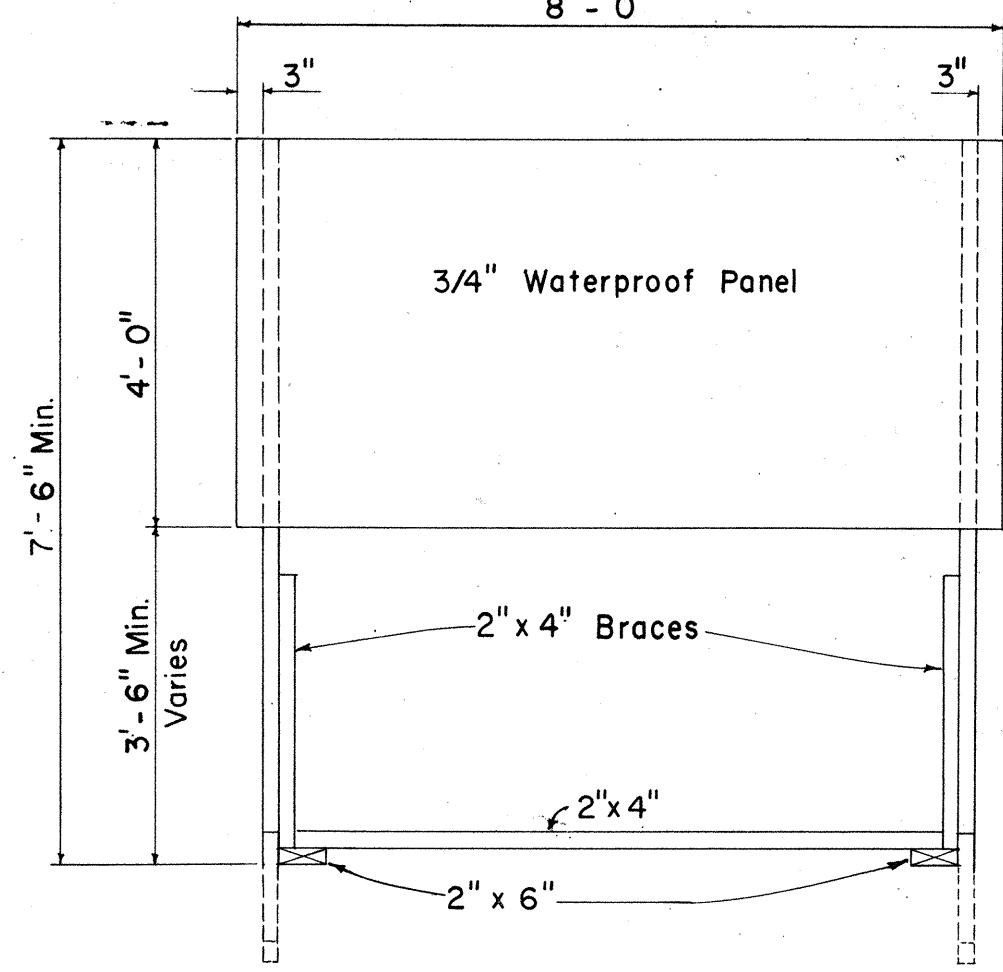
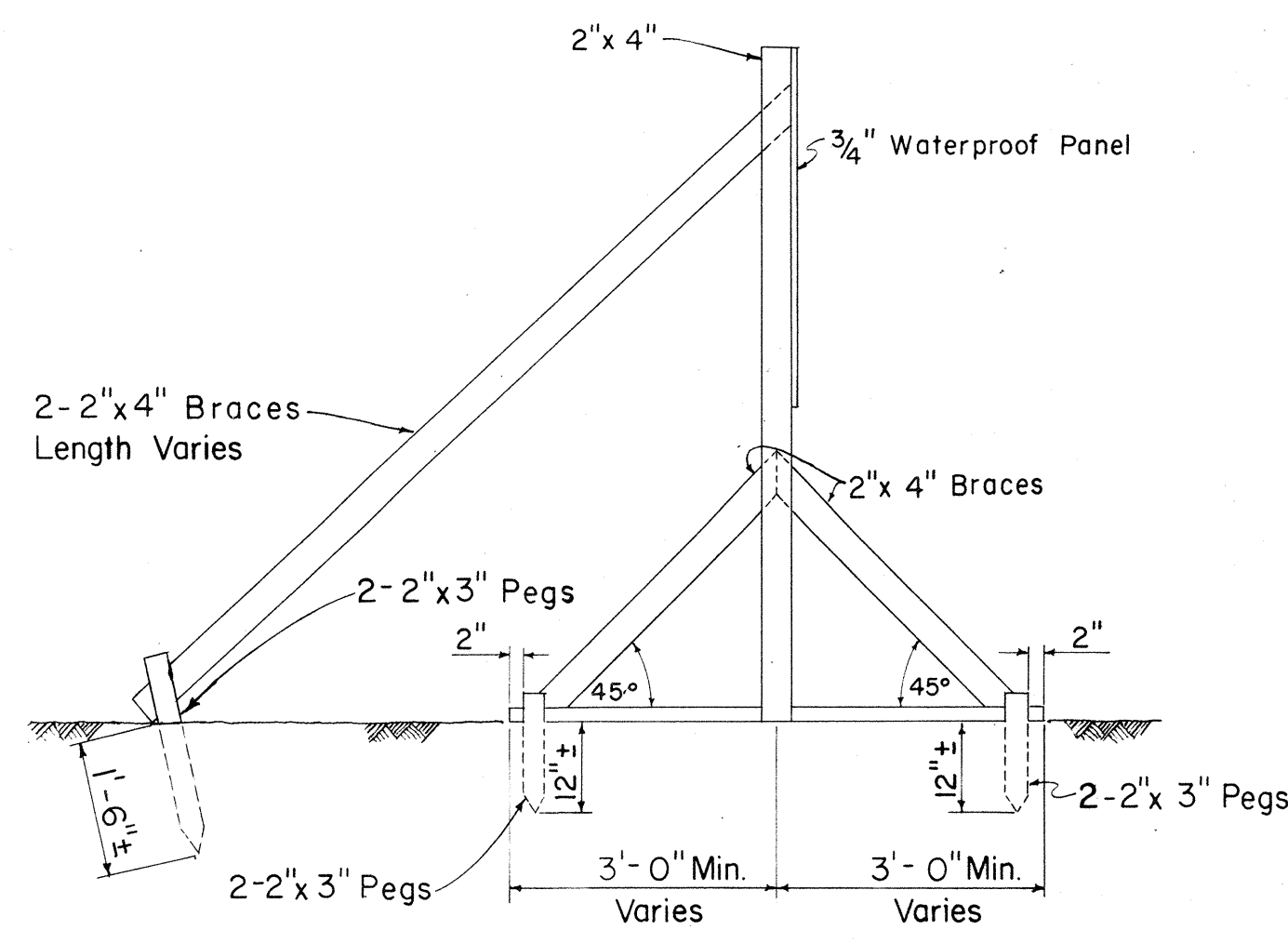
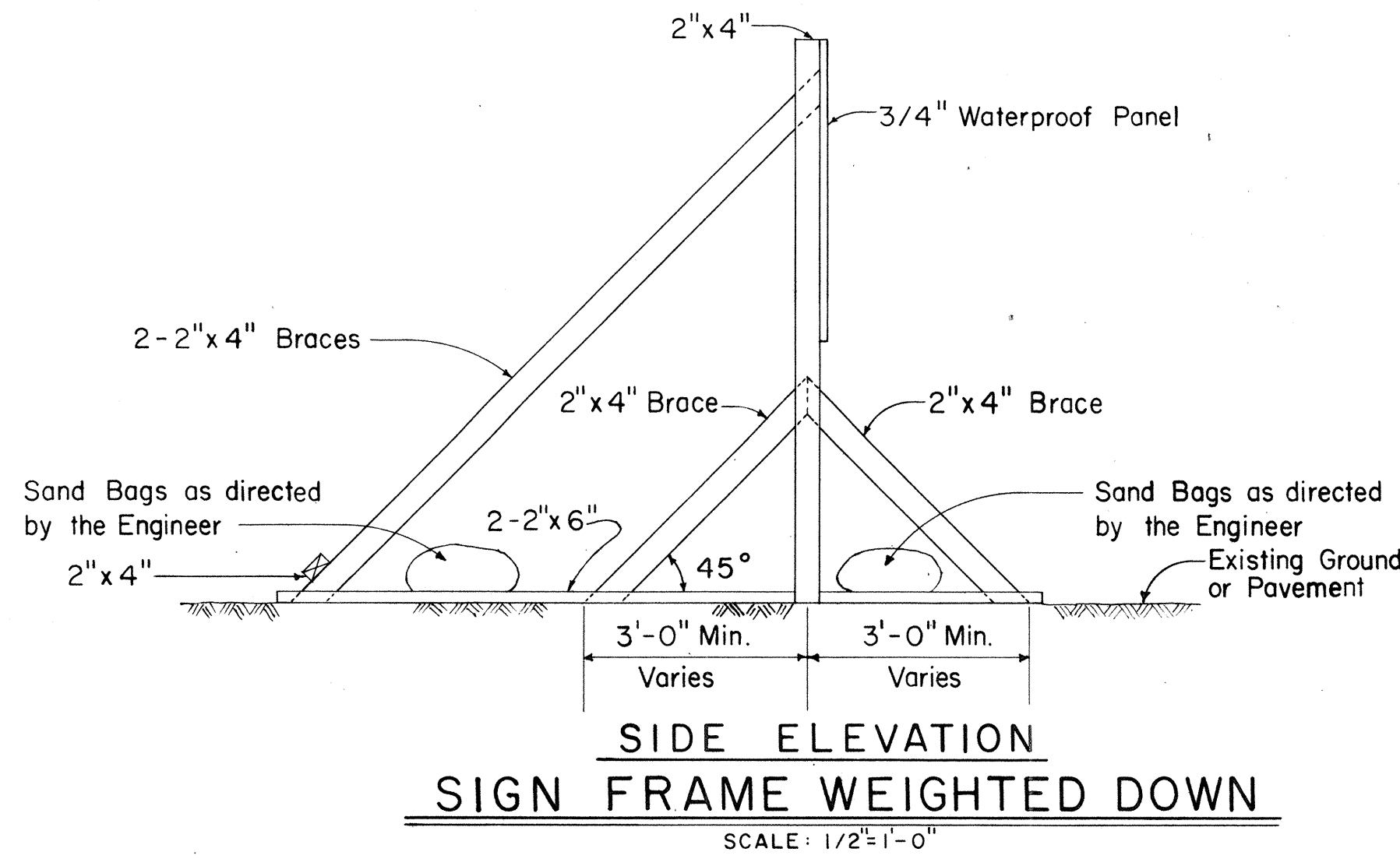
APPROVED: *[Signature]* DATE: 1/23/67
DIRECTOR OF TRANSPORTATION

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. 2 OF 3 SHEETS

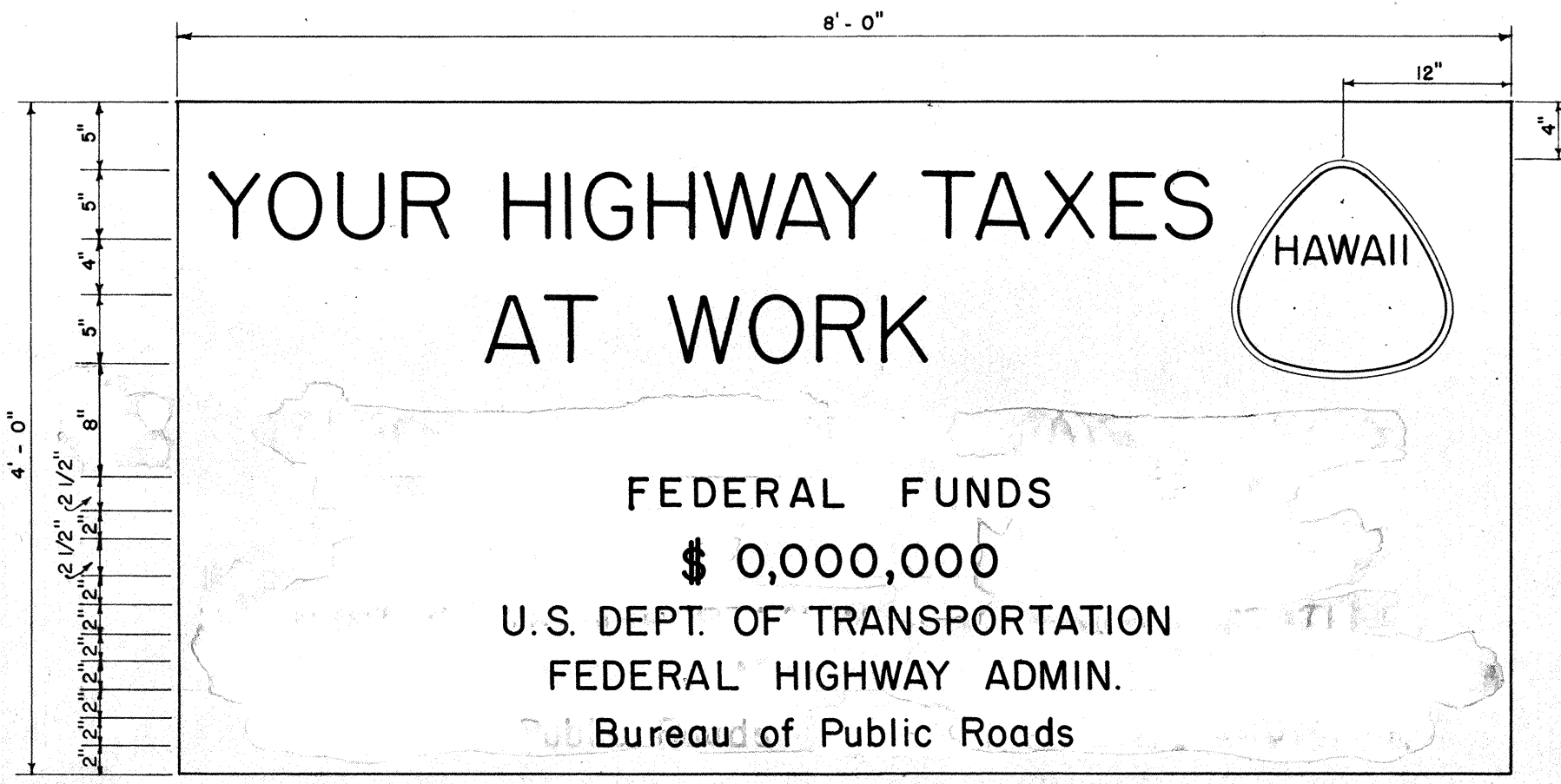
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LSF-050-1(1) LSF-056-1(2) LSF-056-1(4) LSF-056-1(1) LSF-056-1(3)	1967	15	15



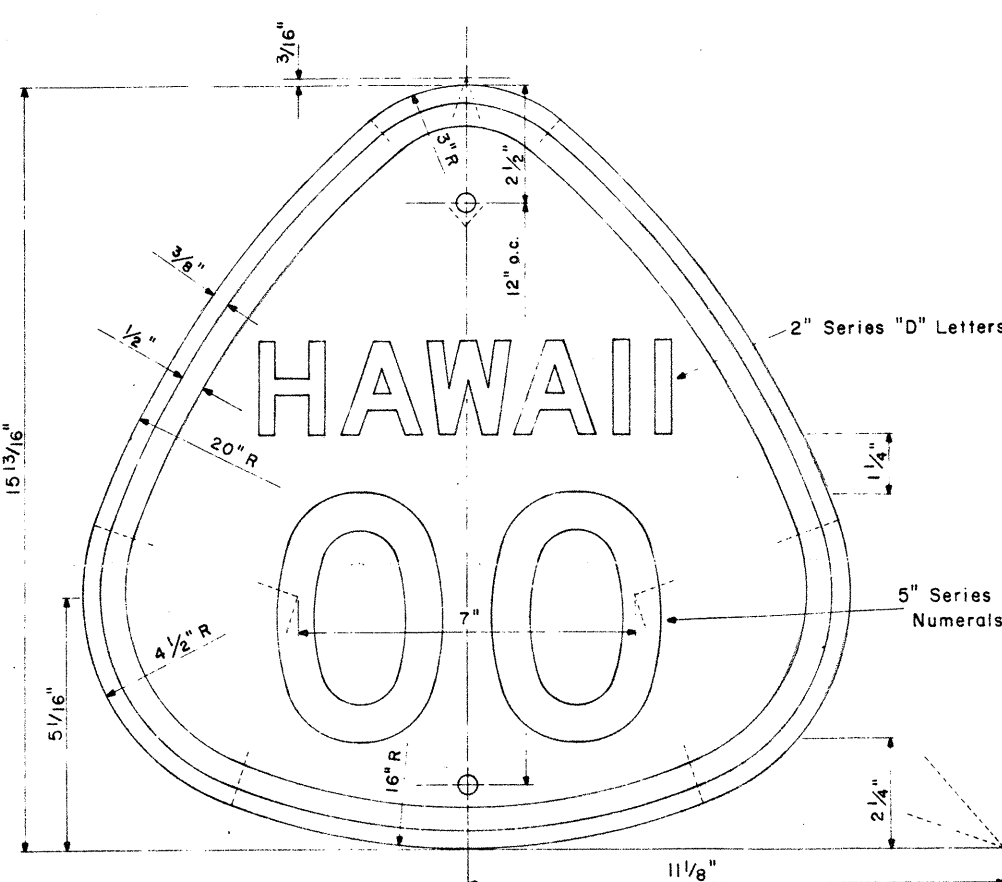
SIDE ELEVATION
SIGN FRAME ANCHORED IN GROUND
Scale: 1/2" = 1'-0"

CONSTRUCTION IDENTIFICATION SIGN NOTES

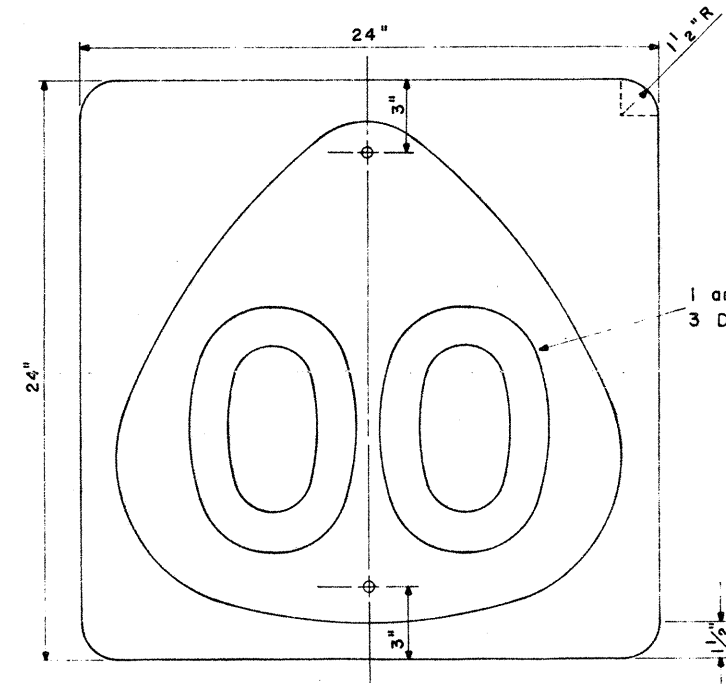
- The Contractor shall construct, install and maintain the Construction Identification Signs, at the locations shown on the plans and as ordered by the Engineer.
- All costs incurred in the construction, installation and maintenance of the Construction Identification Signs, will not be paid for separately, but shall be considered as included in the unit price paid for the various items in the proposal.
- The Construction Identification Signs shall be removed and stockpiled at the completion of the project as ordered by the Engineer and are to become State Property.
- The exact figures for the various funds involved will be furnished to the Contractor for the incorporation in the Construction Identification Signs.
- The legend shall be black on white background unless otherwise specified.
- All letters shall be of size and design shown and shall conform with "Standard Alphabets for Highway Signs", Bureau of Public Roads, 1952. Use Series "C" letters unless otherwise noted.



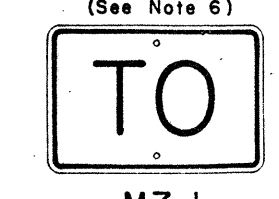
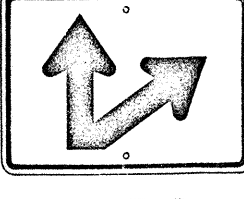
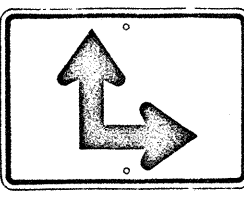
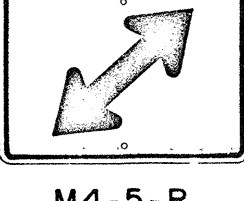
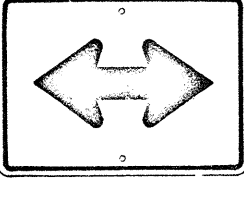
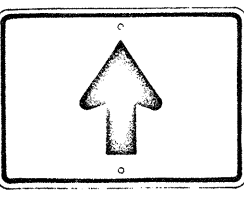
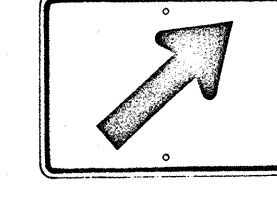
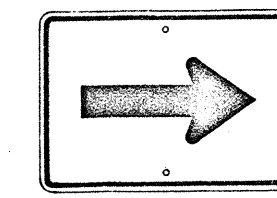
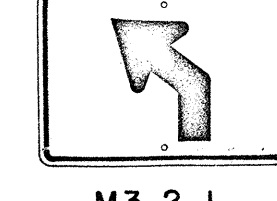
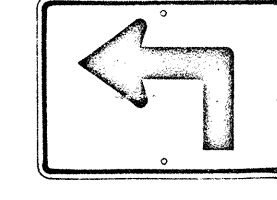
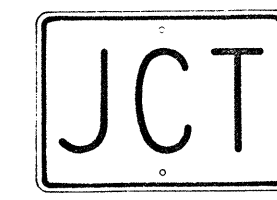
CONSTRUCTION IDENTIFICATION SIGN
Scale: As Shown



STATE ROUTE MARKER
M1-3(00)
Scale: 1/2" = 1'



STATE ROUTE MARKER
M1-4(00)
Scale: 1/4" = 1'



GENERAL NOTES

- The shape, color, dimensions, symbols, wording, lettering and reflectorizing of all signs 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 letters and figures shall conform to the manual "Standard Alphabets for Highway Signs," Dept. of Commerce, Bureau of Public Roads, 1952.
- All markers shall be reflectorized unless otherwise specified.
- All markers shall have 3/8" bolt holes drilled at appropriate locations unless otherwise specified.
- All markers shall have a black legend on a white background unless otherwise specified.
- Sign message of Cardinal Direction Marker (M6-1) shall be denoted by the following suffixes:
M6-1-N : NORTH
M6-1-E : EAST
M6-1-S : SOUTH
M6-1-W : WEST
- Auxiliary markers denoted with the suffix "I". (M4-1-I) shall have a white legend on a blue background.
- Cardinal Direction Marker (M6-1) with suffix I (3) shall have a white legend on a blue background and shall be 30" x 15" in size.
- For M1-3 and M1-4 signs, number in () indicates route number and shall be as shown on the plan.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
STATE ROUTE MARKERS
AND
AUXILIARY MARKERS
Scale: As Noted

AUXILIARY MARKERS
Scale: 1/8" = 1'

NOTE:
Signs shall be similar but opposite in direction.

NOTE:
Multiply all dimensions of State Route Marker M1-3 by 1.3 for the dimensions of the shield for M1-4.

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
STANDARD DETAILS
CONSTRUCTION IDENTIFICATION SIGNS
SHEET No. 3 OF 3 SHEETS