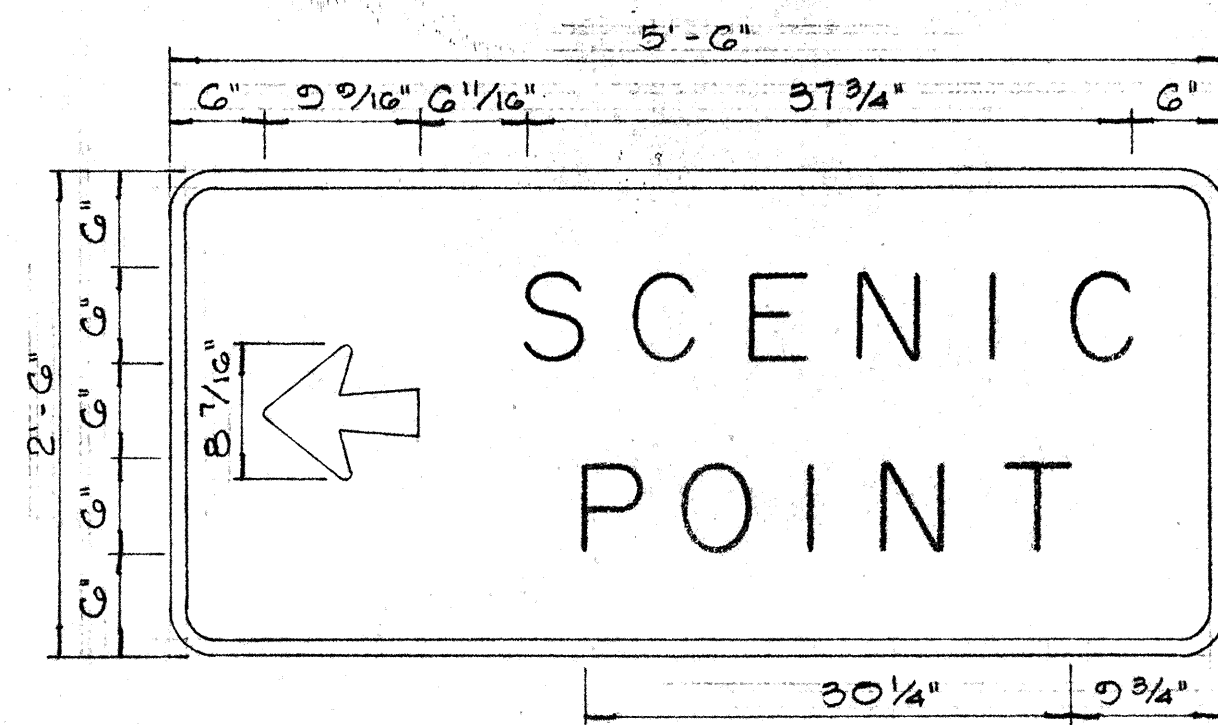
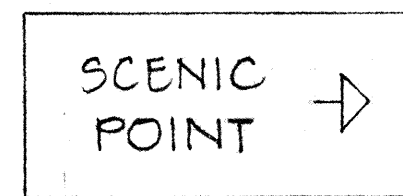


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	L5F-061-1(1)	1967	14	16

L5F-061-1(1)
L5F-061-1(1)
L5F-072-1(1)
L5F-072-1(2)



D-SP(L)



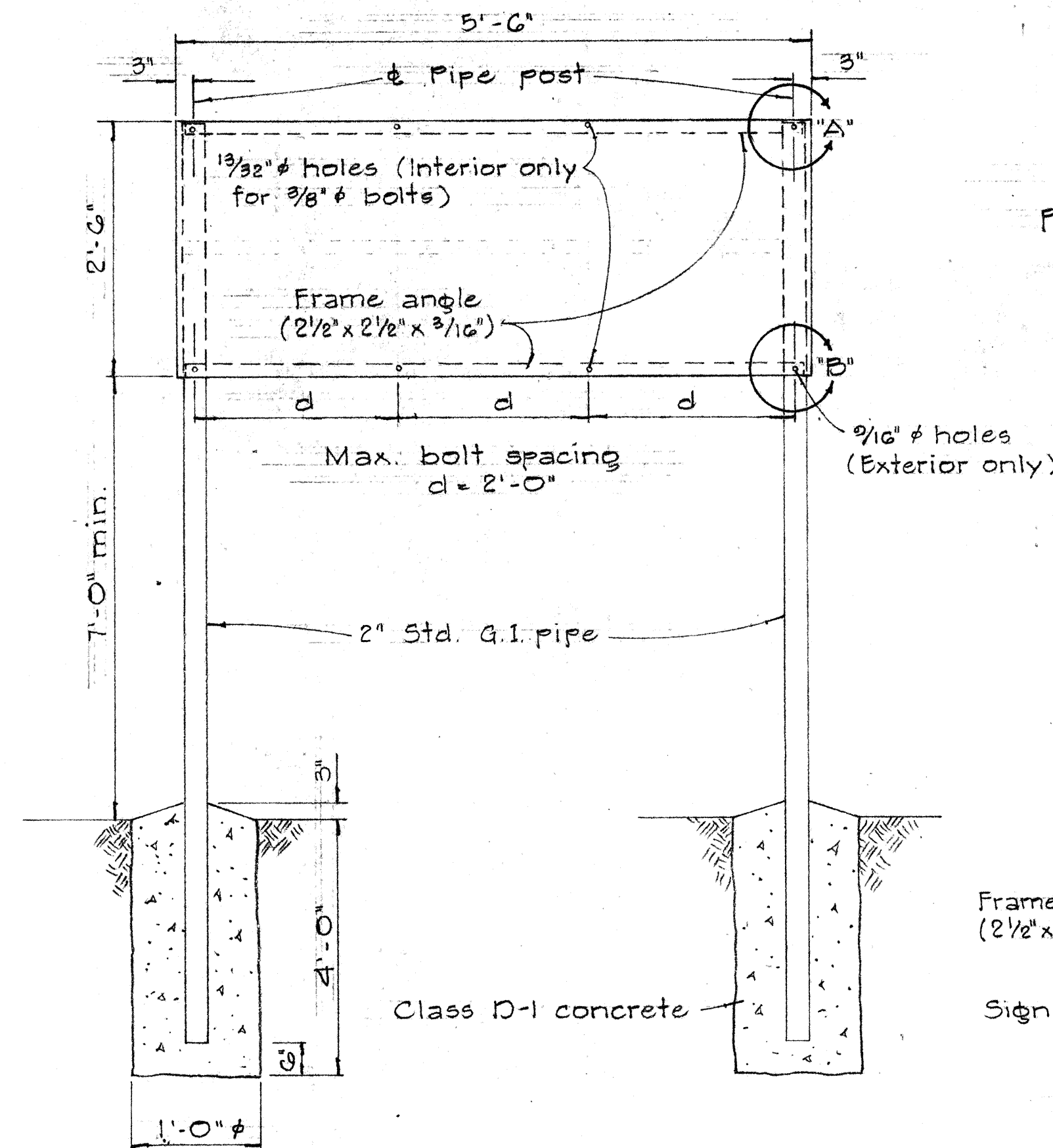
D-SP(R)



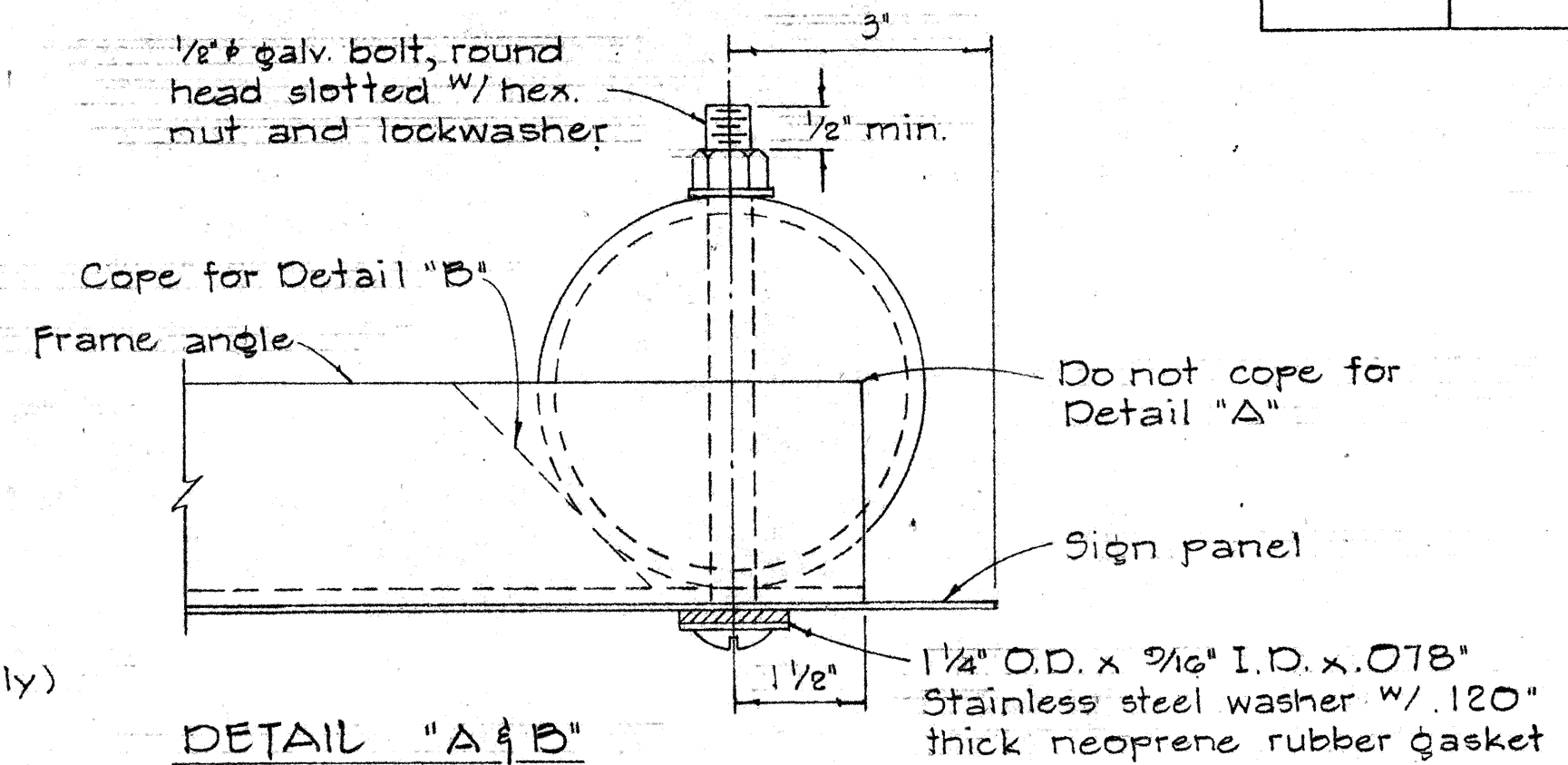
S-RR(R)

GENERAL NOTES

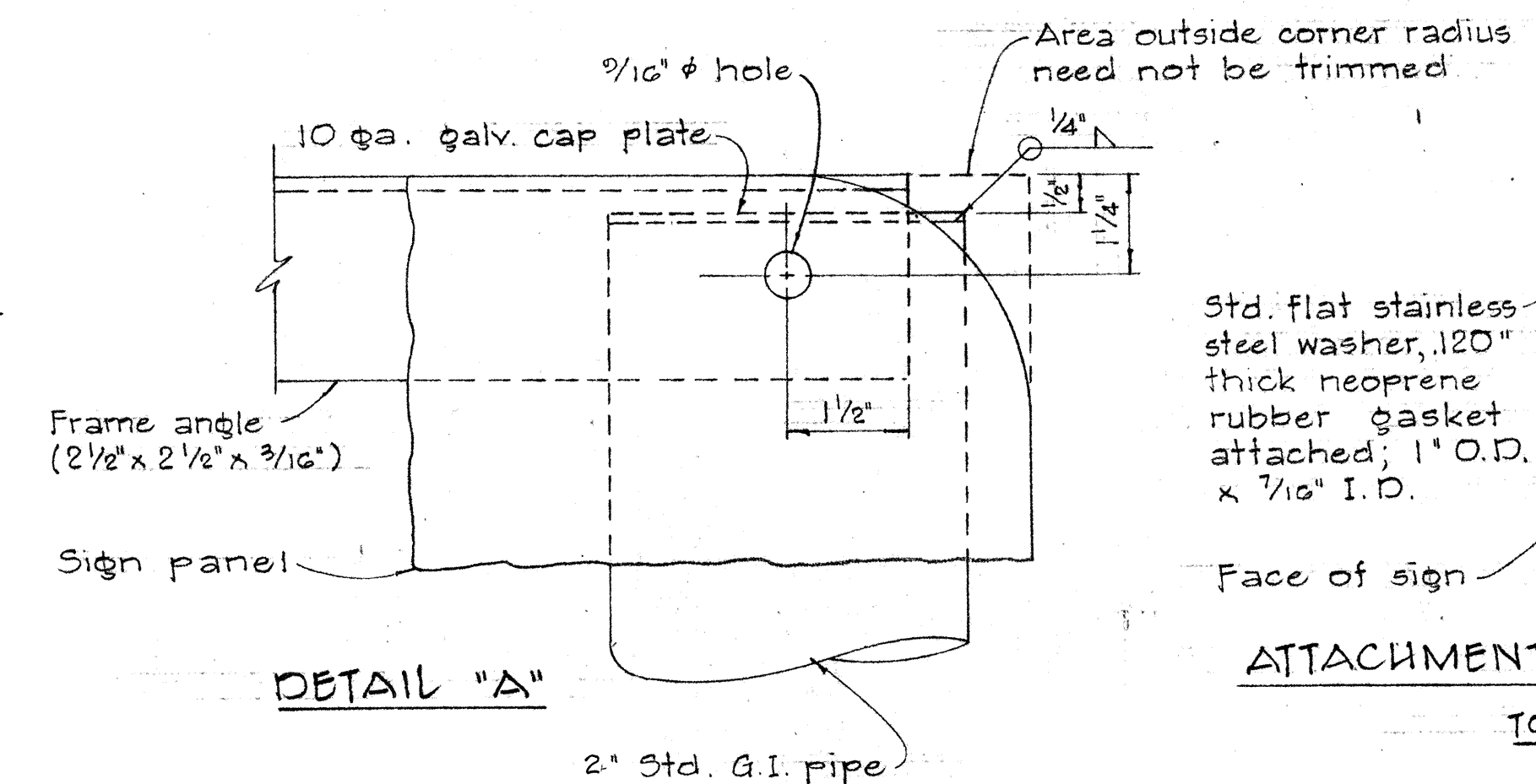
1. Sign message shall be lettered in upper case according to "Standard Alphabets for Highway Signs," Bureau of Public Roads, 1952, and lower case according to "Standard Lower Case Alphabets for Highway Signs," Bureau of Public Roads, 1962. Use Series "E" modified letters unless otherwise noted.
2. Arrows 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

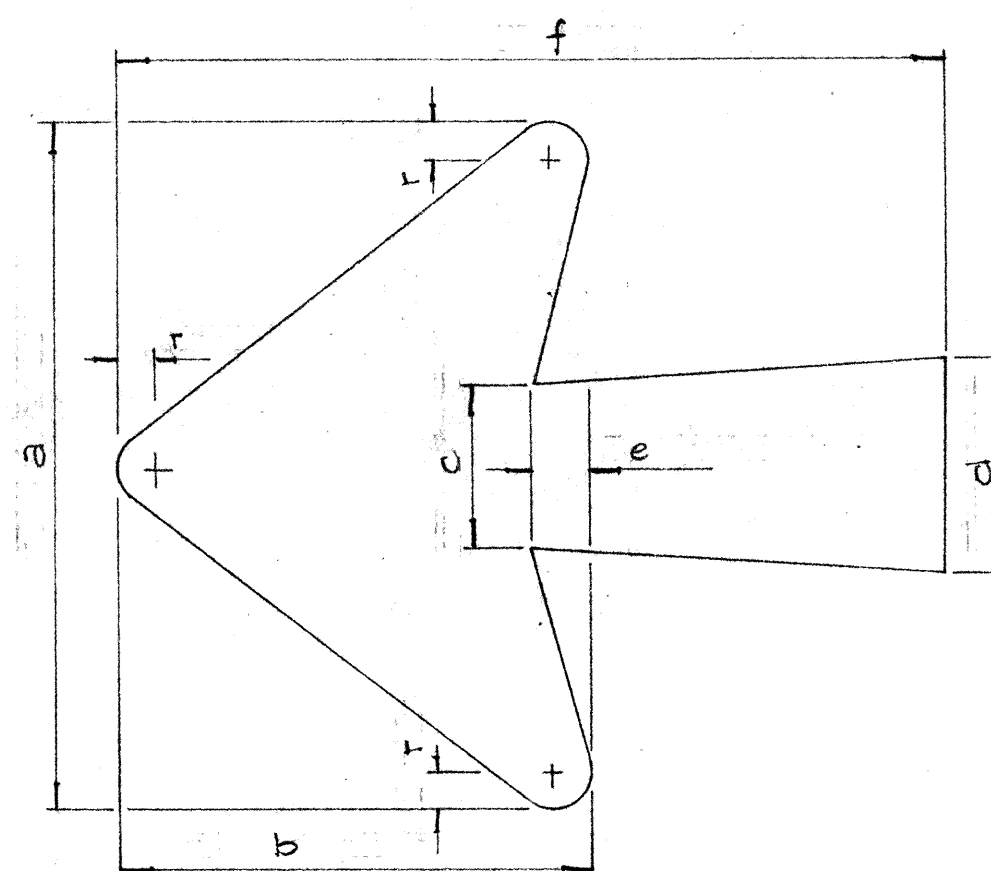


DETAIL "A & B"



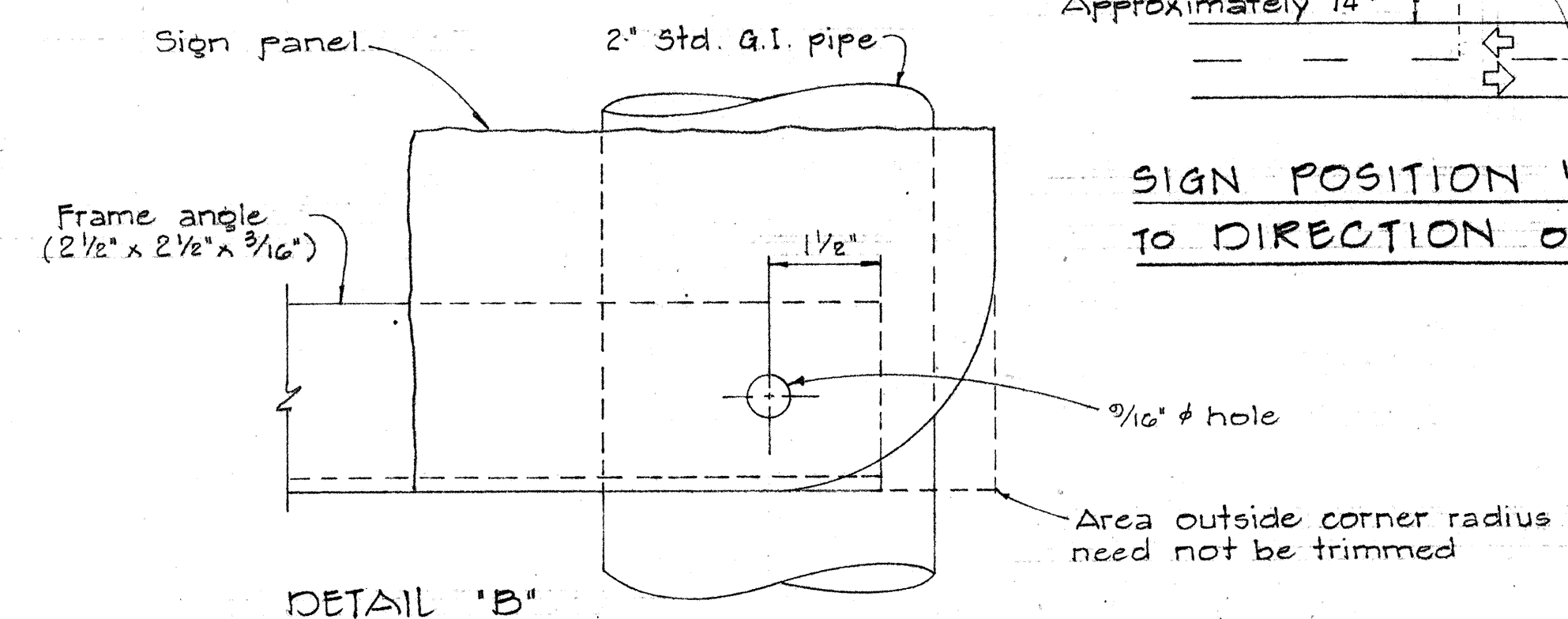
DETAIL "A"

ATTACHMENT OF SIGN PANEL
TO FRAME

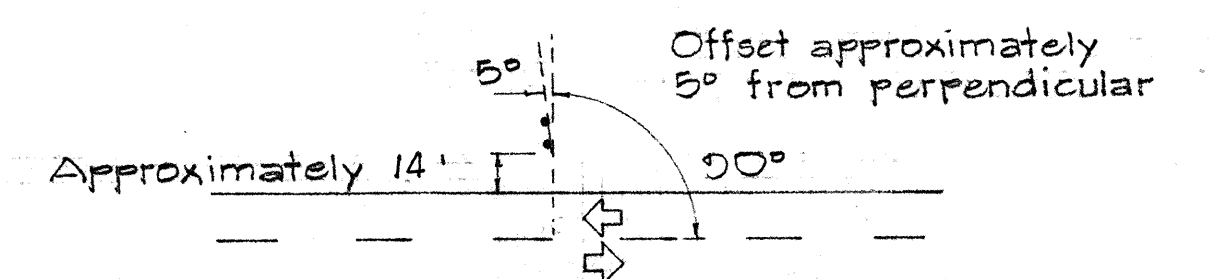


Arrow Size	Arrow Dimensions in inches						
	a	b	c	d	e	f	r
8 1/4" x 2 1/4"	8 1/4	5 1/4	2 1/4	2 1/4	3/8	12	1/8
2" x 12"	2	1 1/8	3/4	3/4	1/8	12	1/8

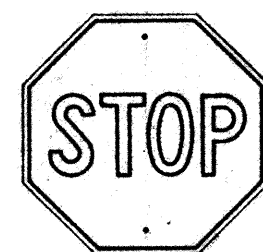
TYPICAL ARROW DETAILS



DETAIL "B"



SIGN POSITION W/ RELATION
TO DIRECTION OF TRAFFIC



R1-1
30" x 30"



R5-1
24" x 24"



RG-1(R)
36" x 12"



RG-2(R)
18" x 24"

NOTES:

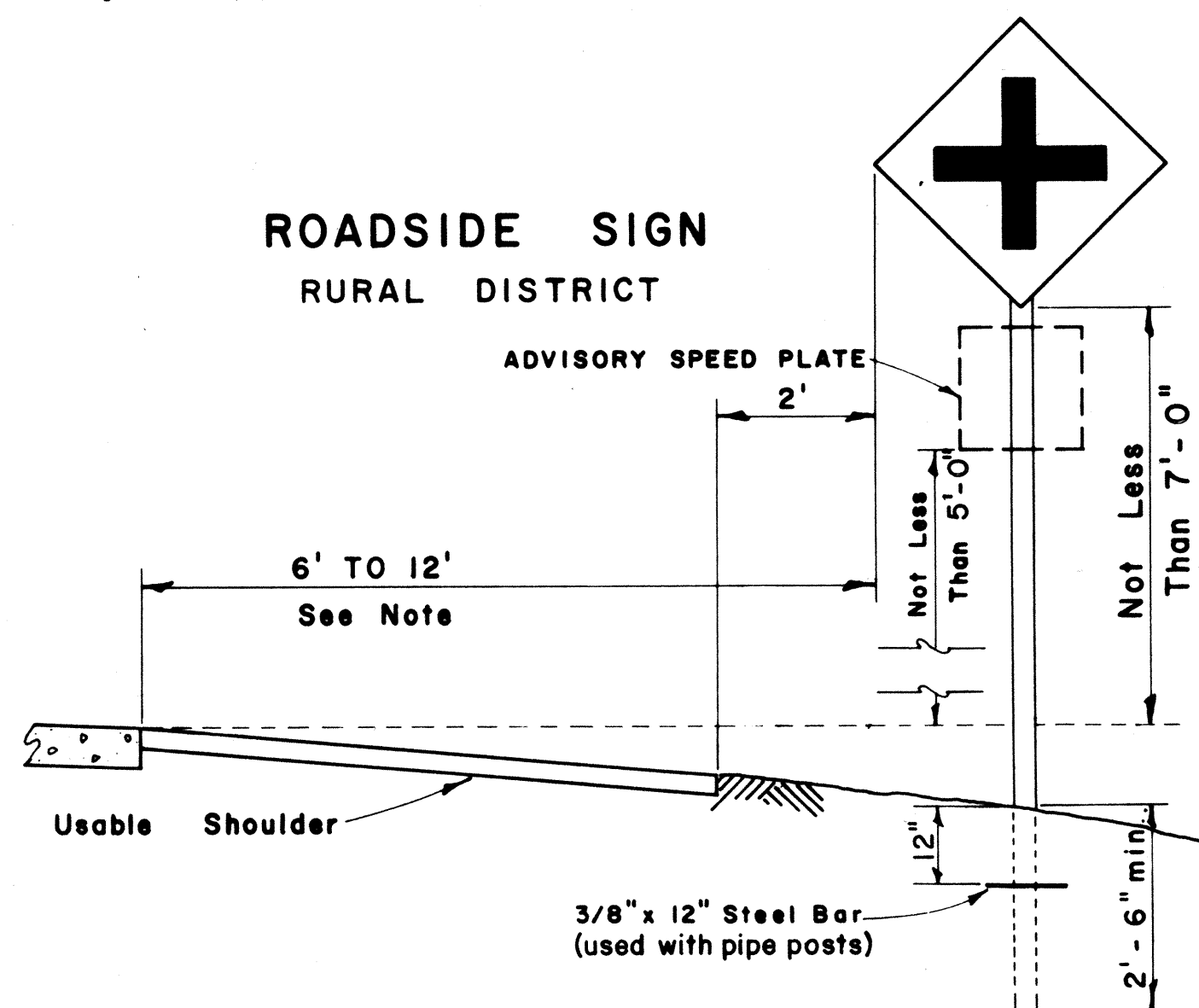
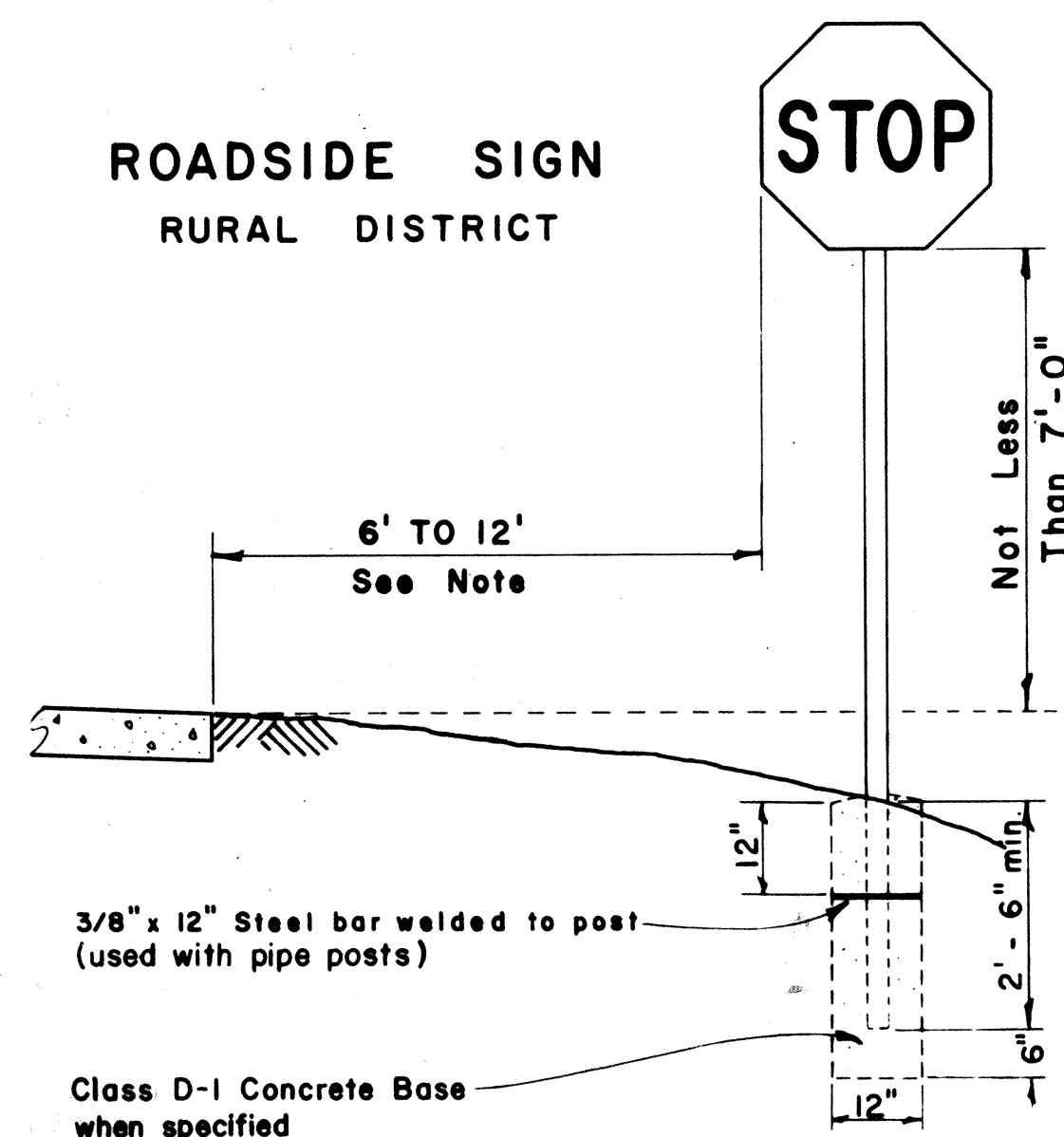
1. The shape, color, dimensions, symbols, wording, lettering and reflectorization of all signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," dated June 1961 and the BPR manual "Standard Highway Signs," dated September 1961 unless otherwise specified.
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

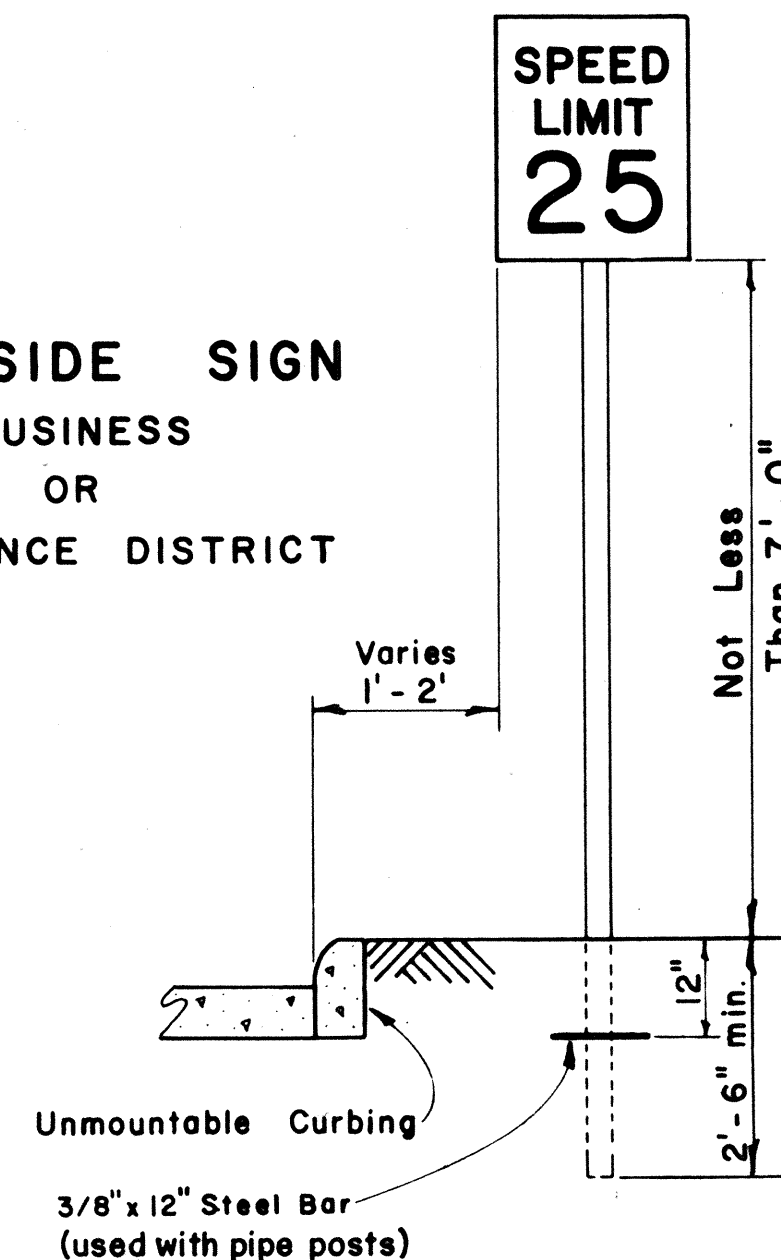
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DIRECTIONAL SIGN (D-SP)
AND STANDARD DETAILS

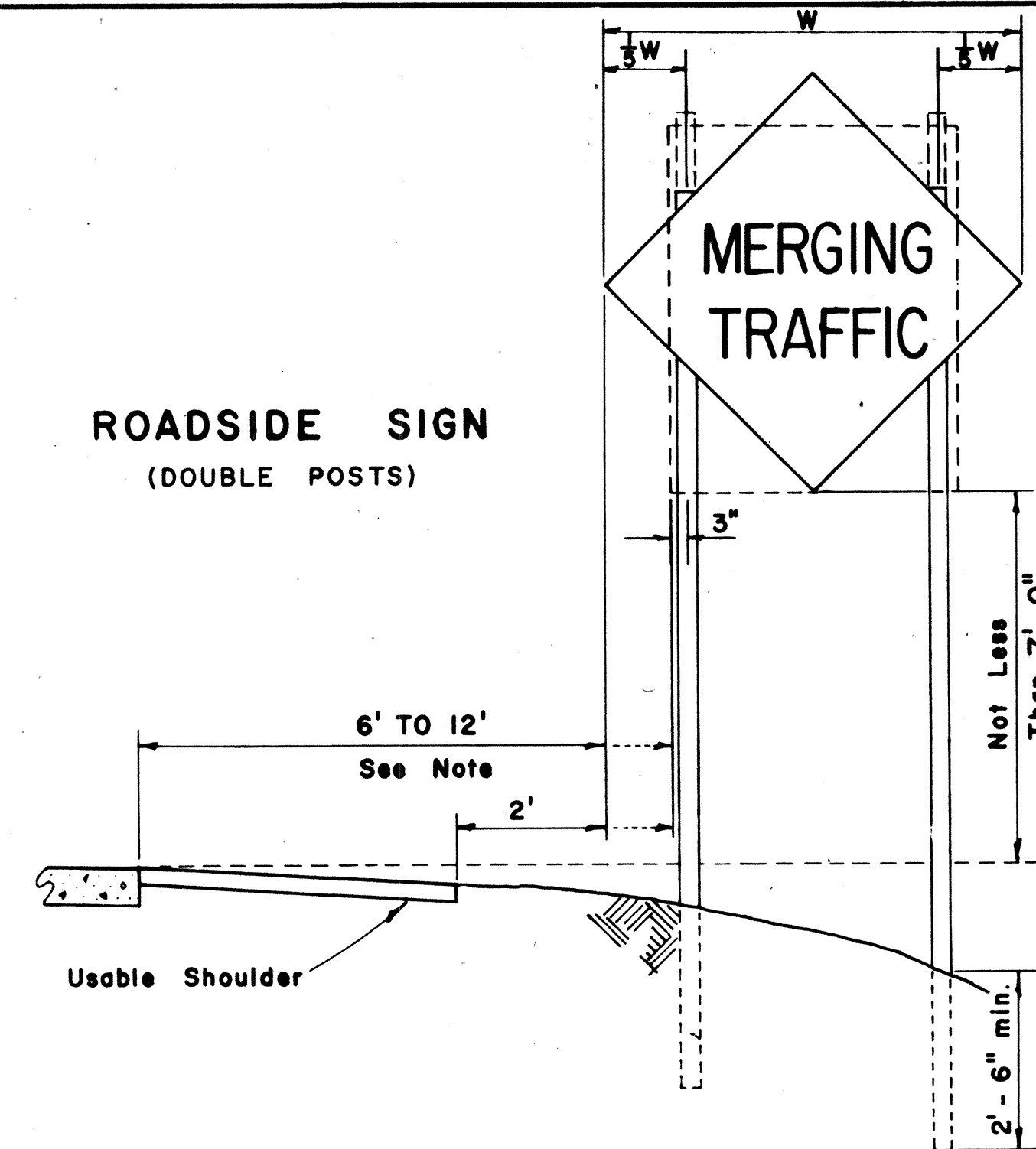
- NOTE:
1. All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 2. Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs larger 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.
 3. 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.
 4. 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.
 5. 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.



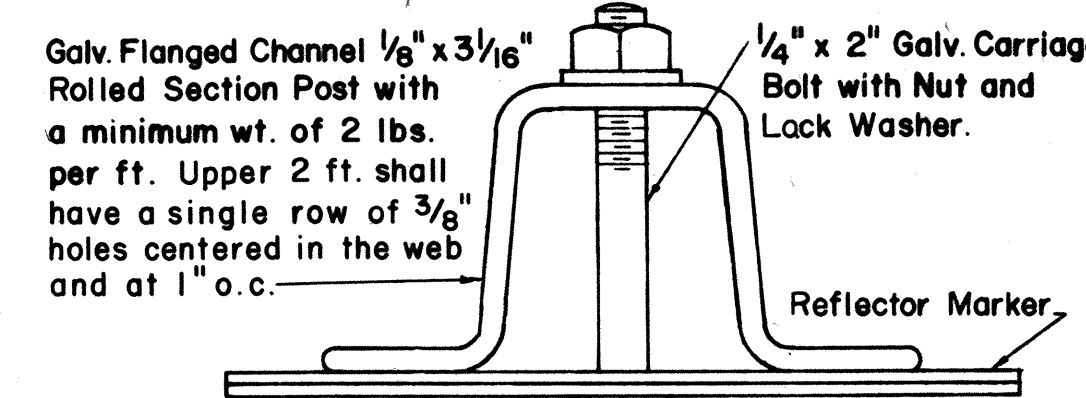
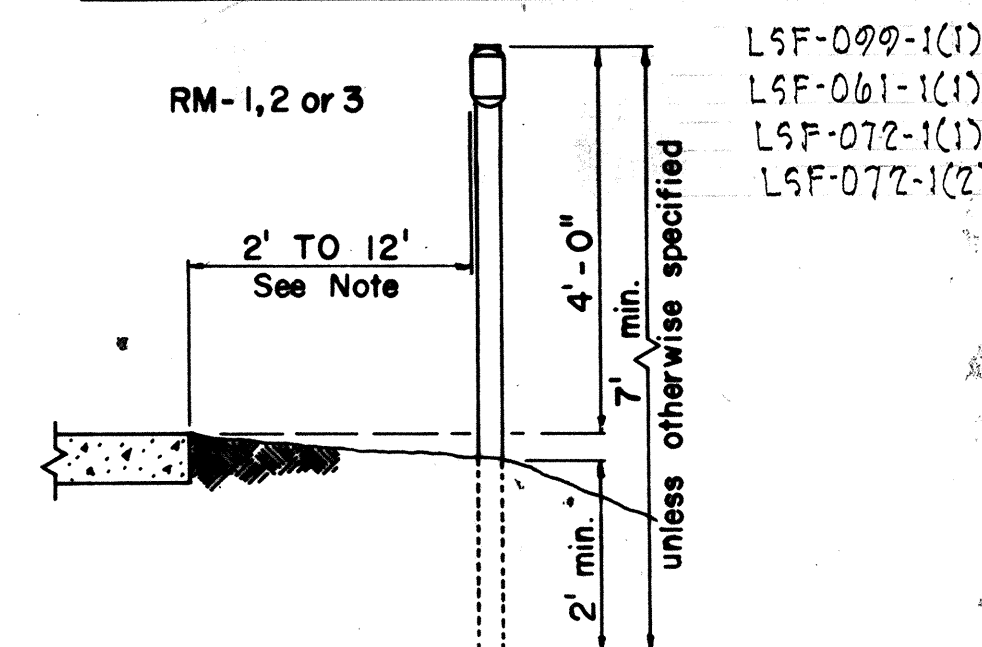
ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT



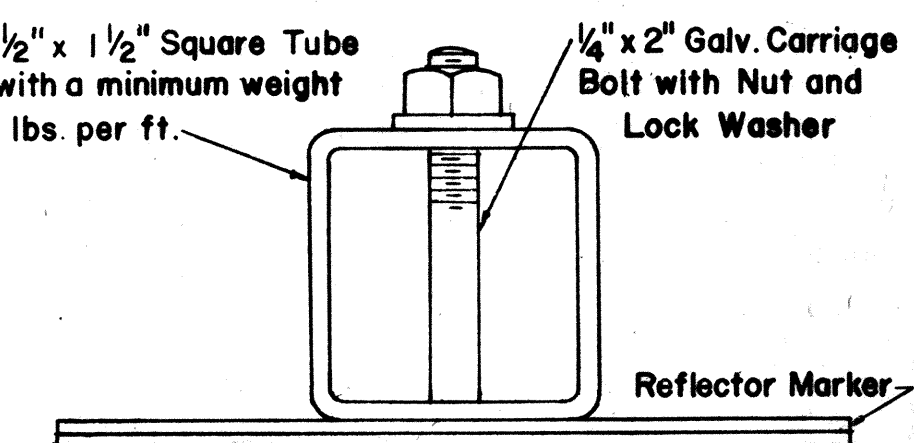
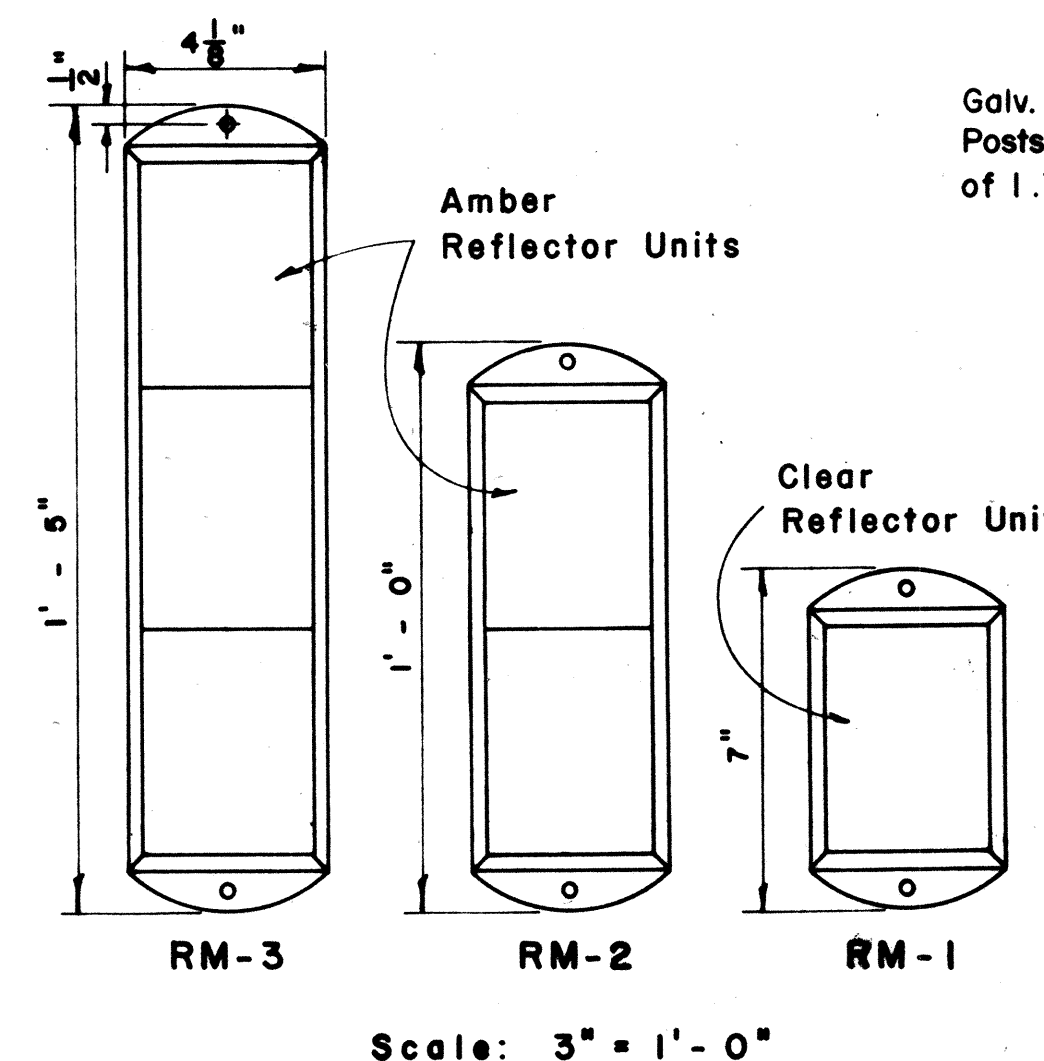
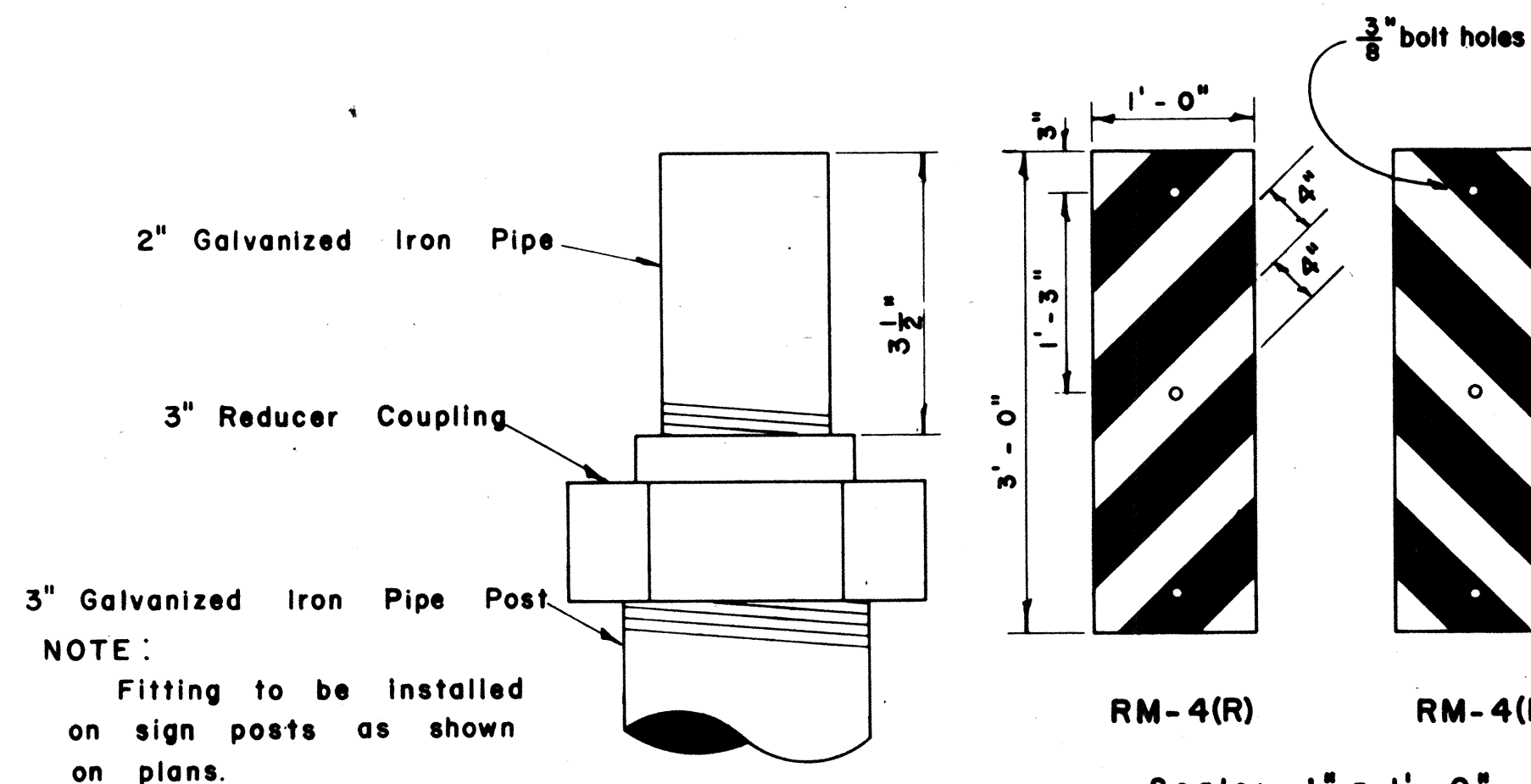
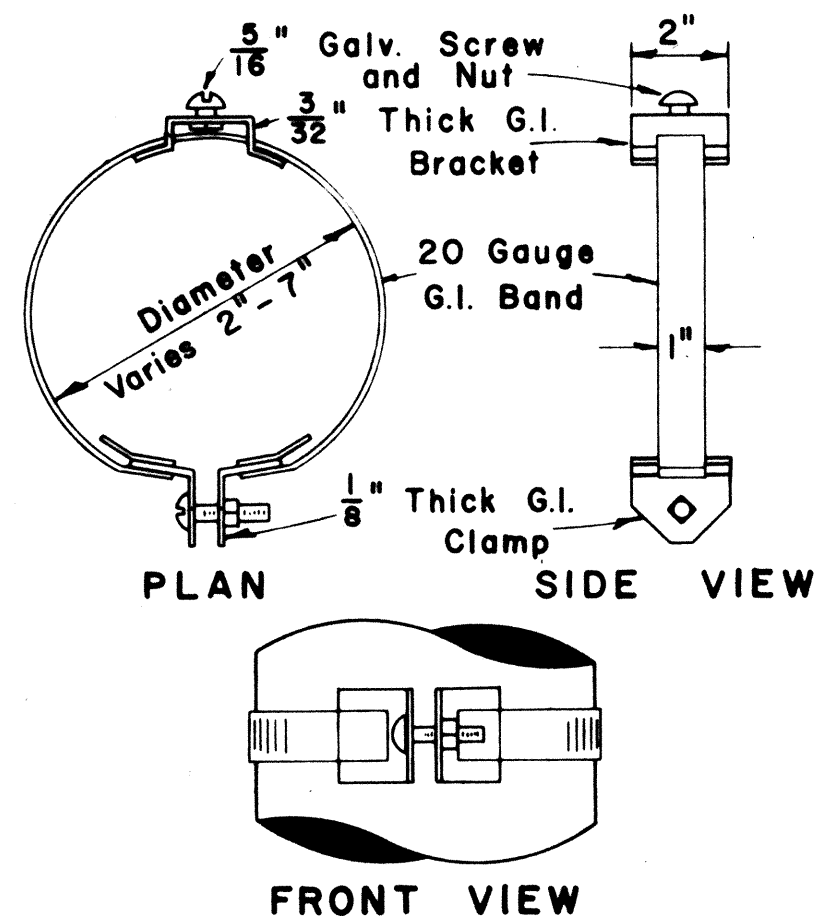
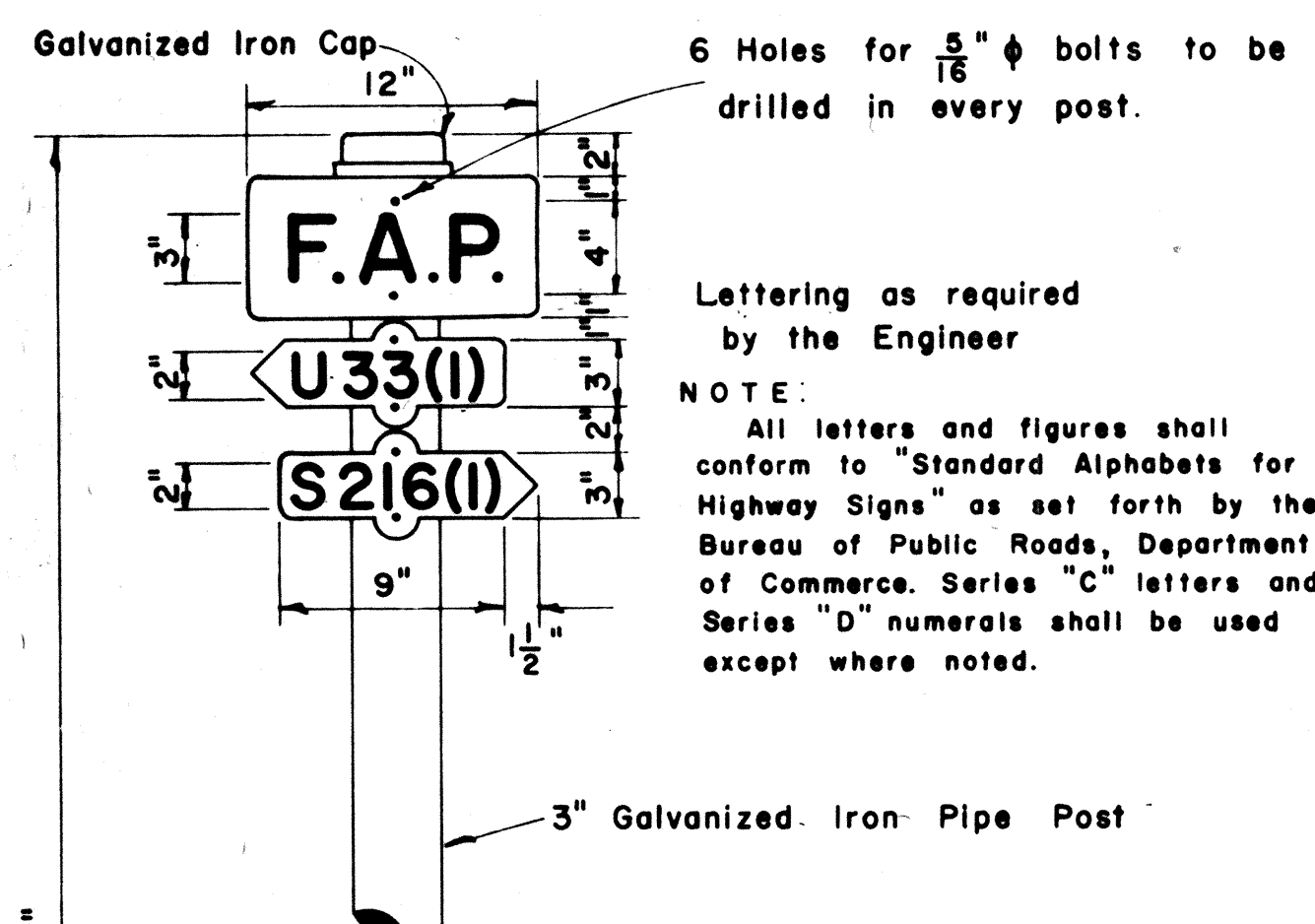
ROADSIDE SIGN
(DOUBLE POSTS)



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LSF-063-101	1967	15	16



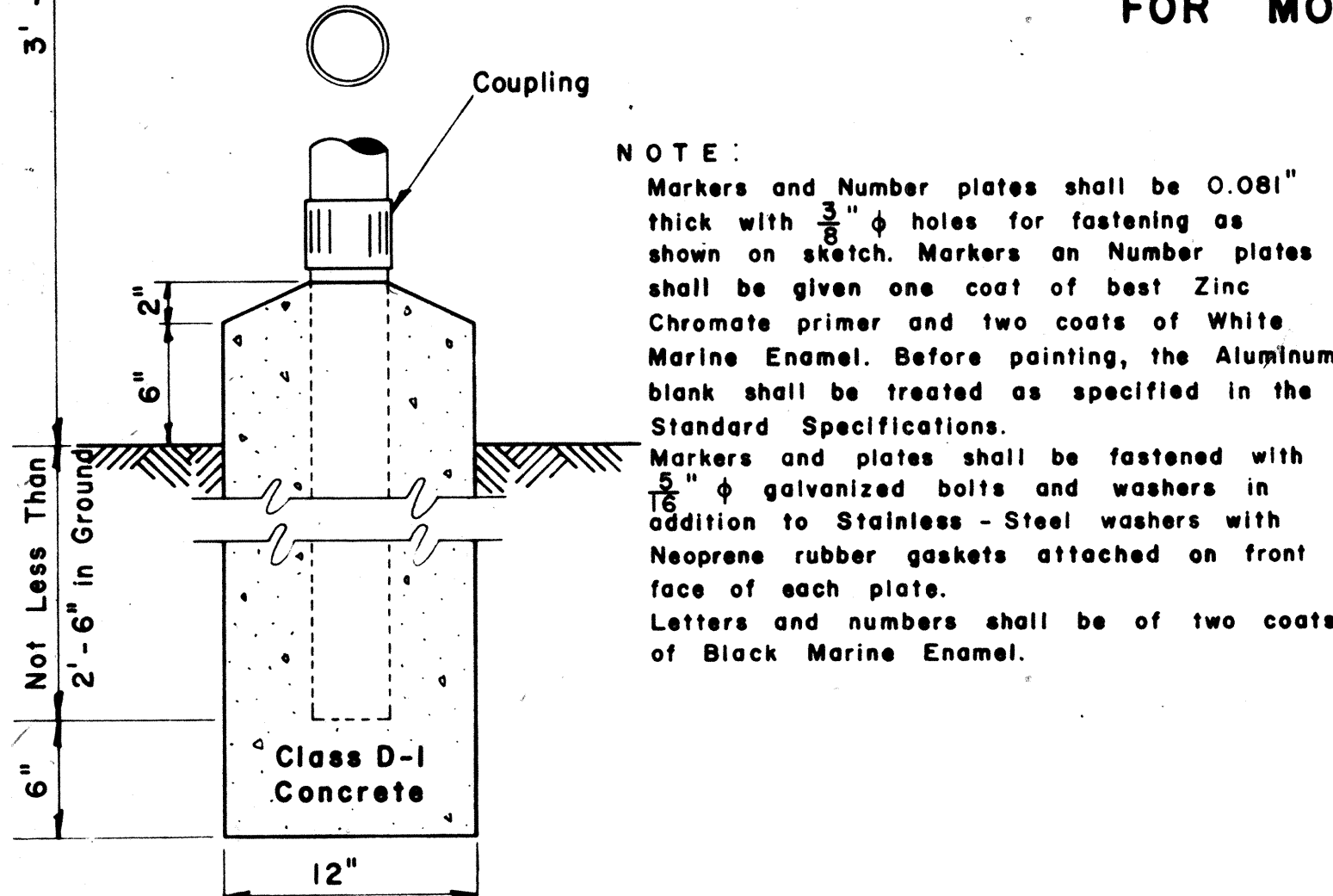
HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS



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"

TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS

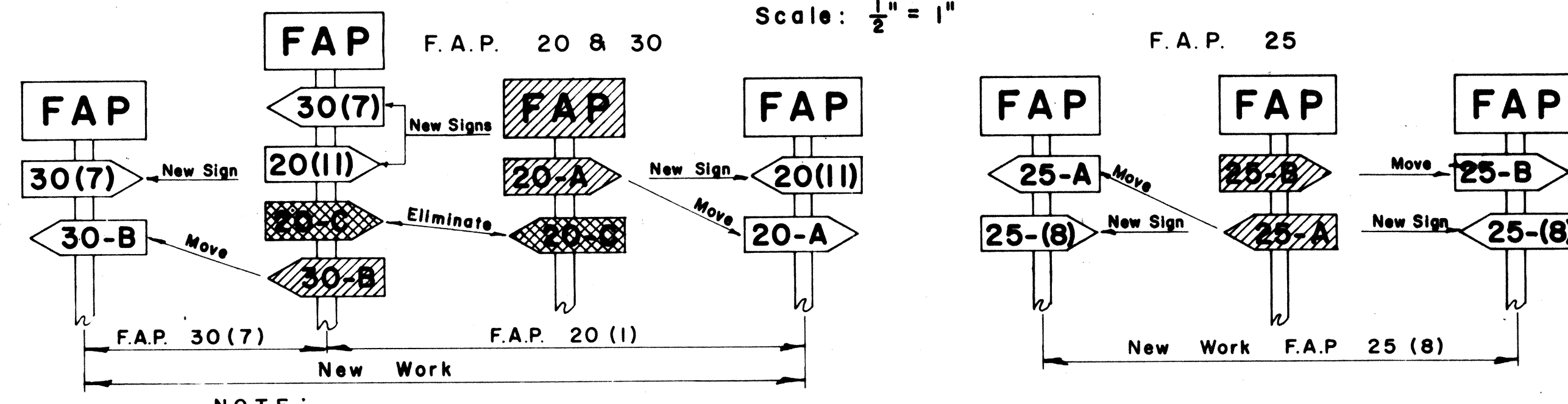
Scale: 3" = 1'-0"

DETAIL OF SIGN POST FITTING FOR CITY & COUNTY STREET NAME SIGNS

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

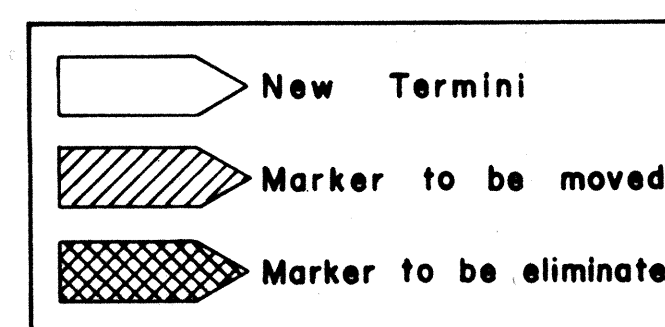
REFLECTOR MARKERS

Scale: As Shown



METHOD OF MARKING F.A. PROJECTS AT OVERLAPS

(USING NUMBER SUFFIX ON NEW WORK)



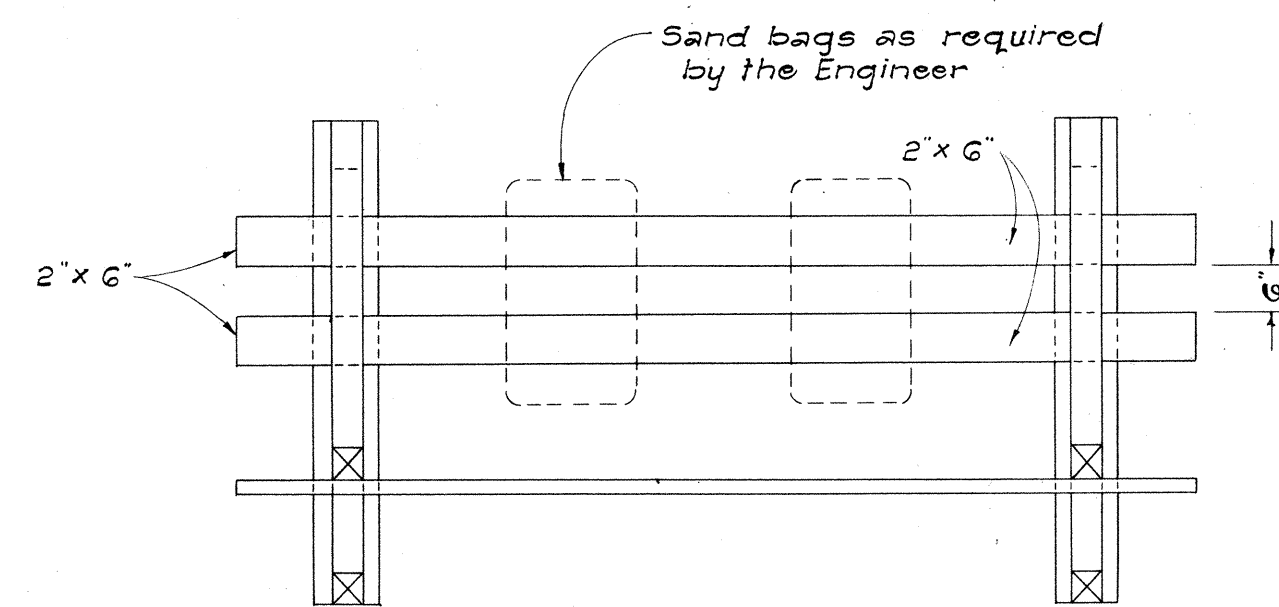
APPROVED: *[Signature]* DATE: 1/27/67
DIRECTOR OF TRANSPORTATION

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

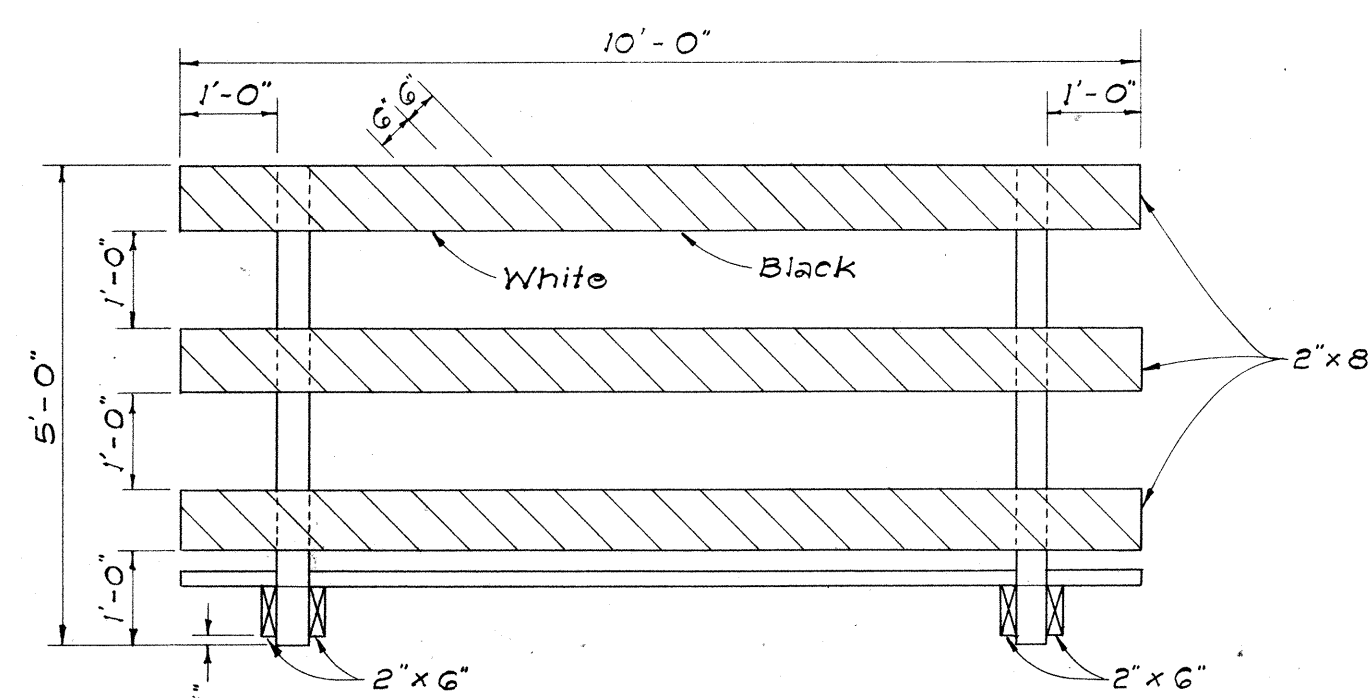
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
F.A. MARKER
AND
MISCELLANEOUS SIGN
DETAILS
Scale: As Shown

SHEET No. 2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	LSF-063-(11) LSF-099-(11) LSF-061-(11) LSF-072-(11) LSF-072-(12)	1967	16	16

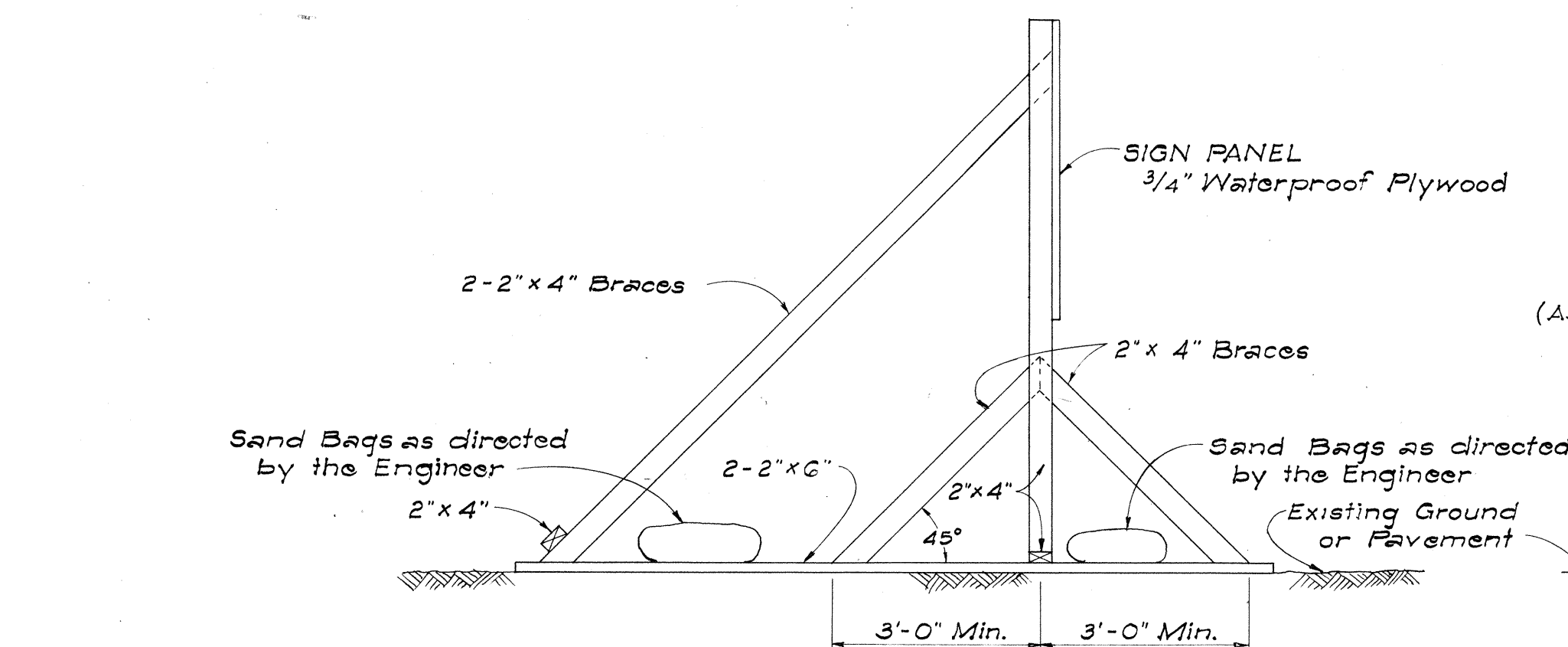


PLAN VIEW

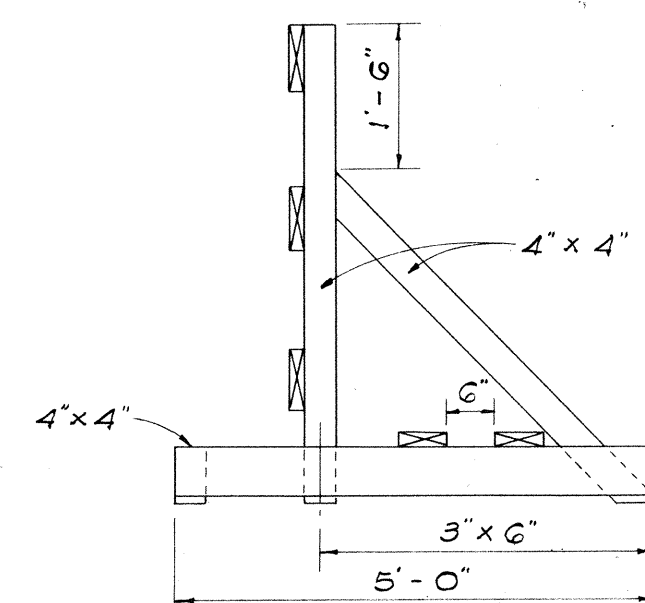


FRONT VIEW

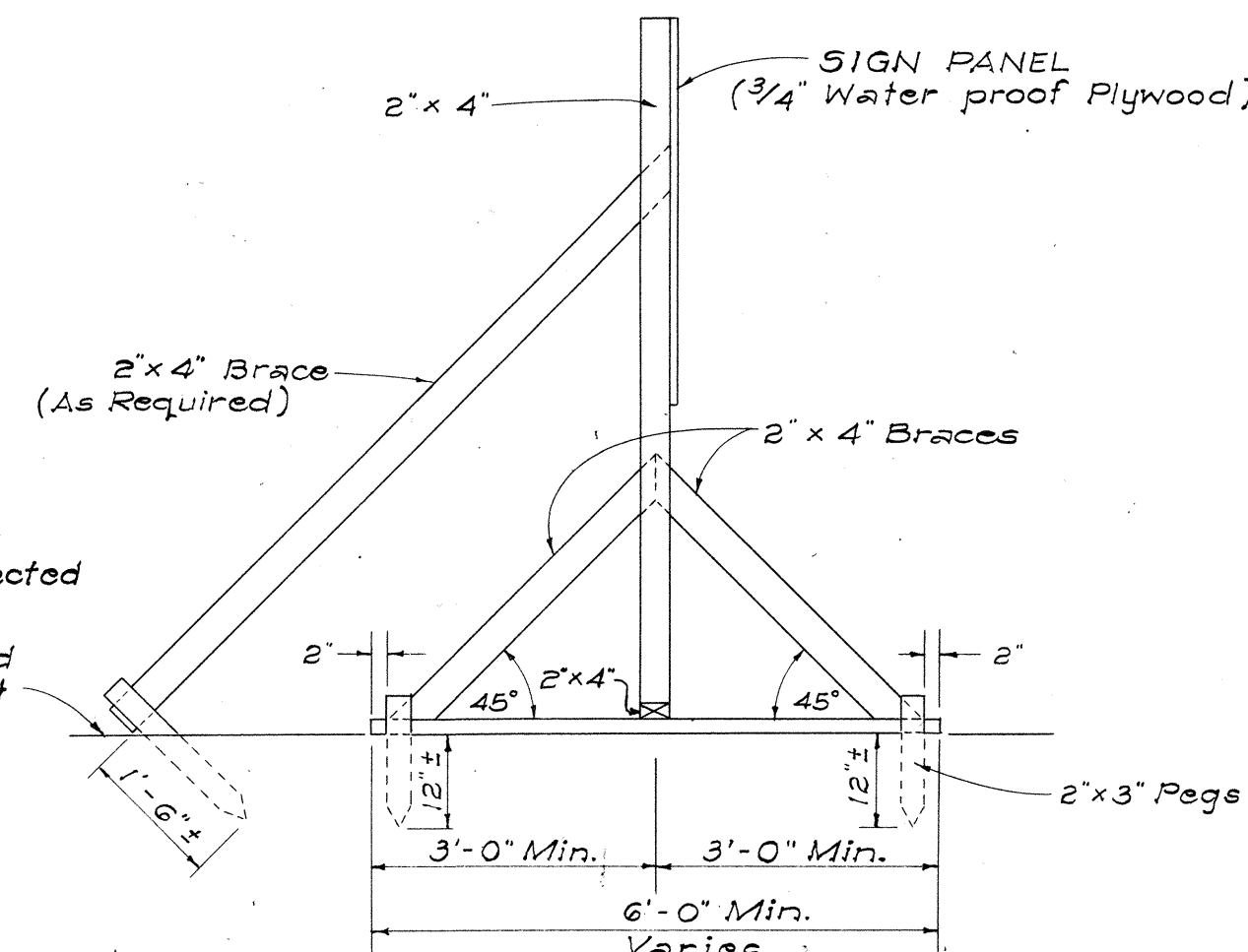
CLASS I BARRICADE



SIDE VIEW
(SIGN FRAME WEIGHTED DOWN)



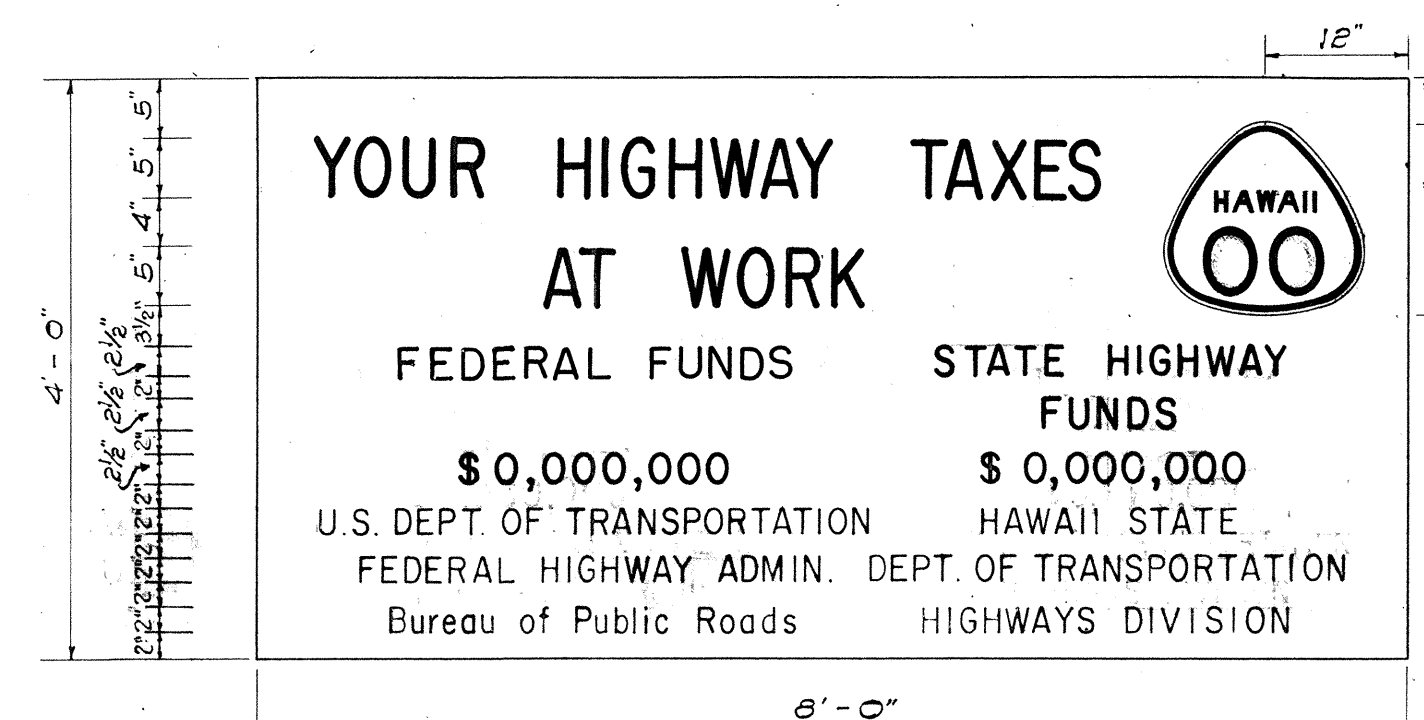
END VIEW



SIDE VIEW
(SIGN FRAME ANCHORED IN GROUND)

ELEVATIONS

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

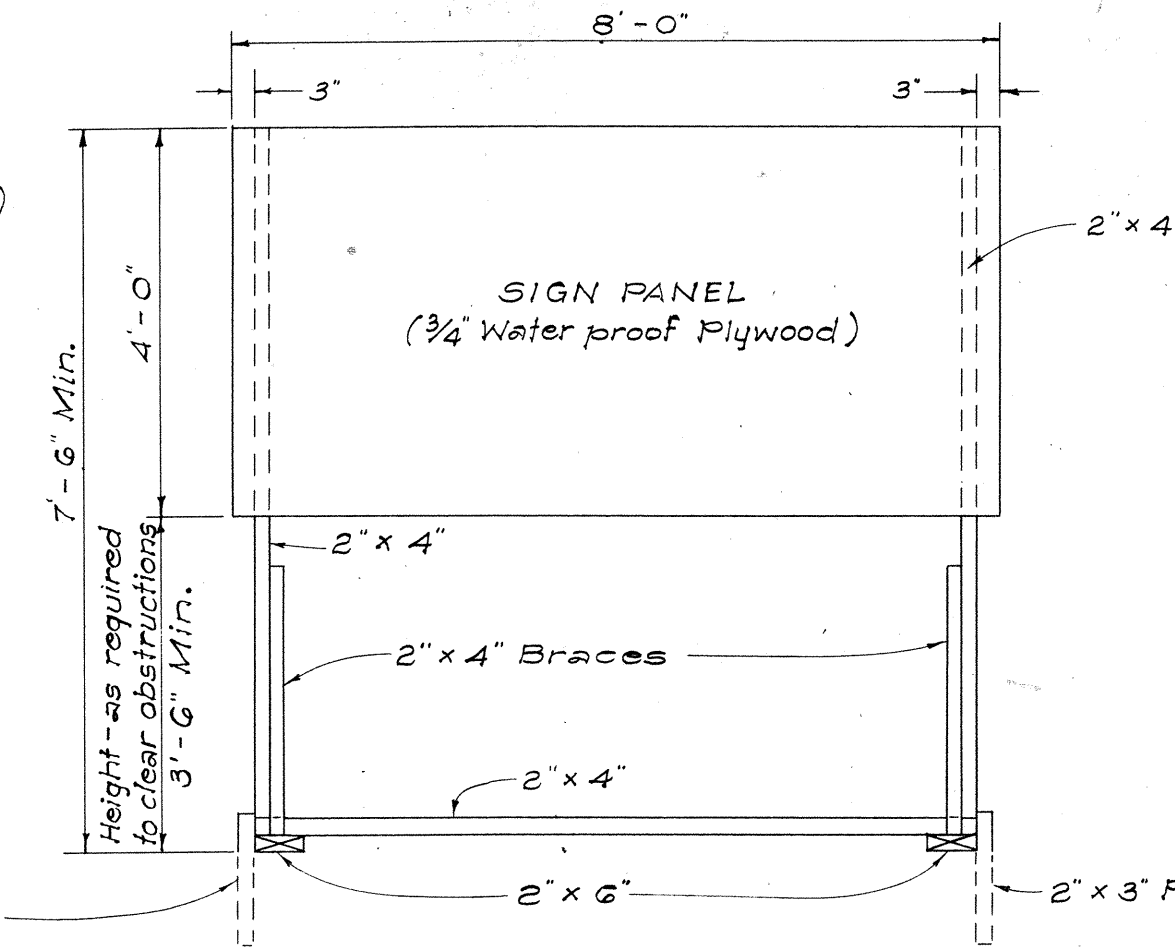


SIGN PANEL

Scale: 3/4" = 1'-0"

PRIMARY AND SECONDARY SYSTEMS CONSTRUCTION IDENTIFICATION SIGN

Scale: As Shown



FRONT VIEW

NOTES:

- A. CONSTRUCTION IDENTIFICATION SIGNS**
1. The sign legend shall be black on white background.
 2. The Contractor shall construct, install and maintain the project signs at the locations shown on the plans and as ordered by the Engineer.
 3. The signs shall be removed and stockpiled upon completion of the project as ordered by the Engineer and are to become State property.
 4. Letters shall be Series "C" of the sizes shown on the plan and shall conform with the "Standard Alphabet for Highway Signs", Bureau of Public Roads, 1952.
 5. The Contractor shall fill in the proper numerals in place of ciphers as ordered by the Engineer.

- B. WOOD BARRICADES**
1. The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans.
 2. The permanent wood barricades shall be left in place or relocated upon completion of the project as ordered by the Engineer and are to become State property.

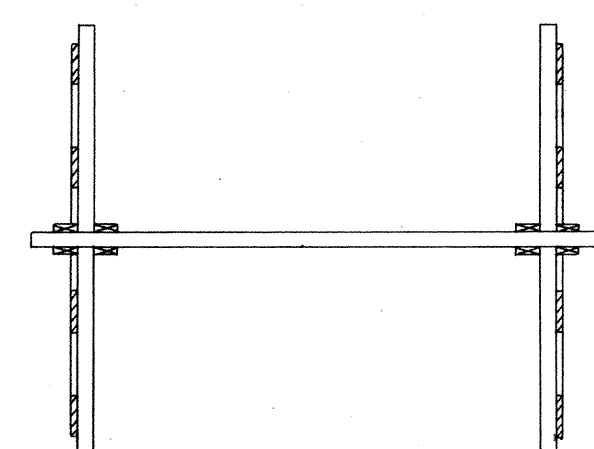
REVISED: October 2, 1967

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

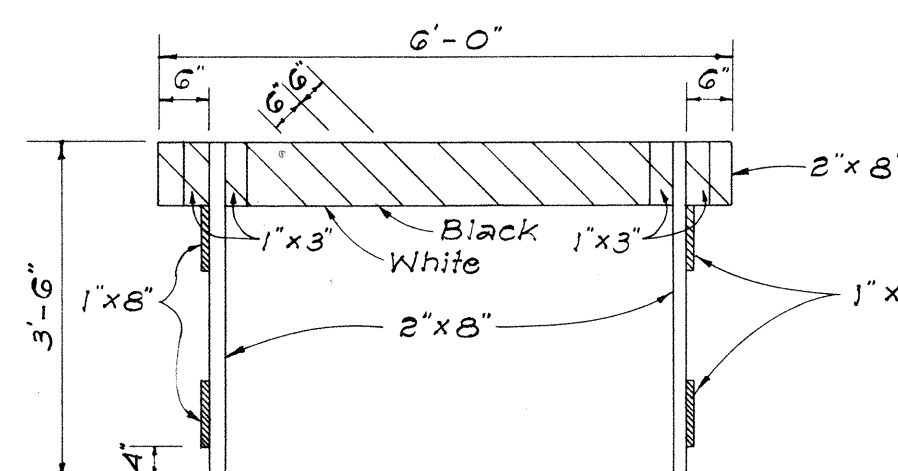
TYPICAL DETAILS
CONSTRUCTION IDENTIFICATION SIGN
AND
WOOD BARRICADES

SCALE: As Shown DATE: OCT. 1967

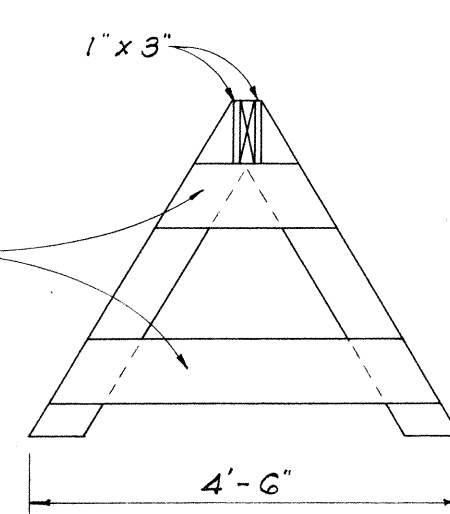
SHEET No. 3 OF 3 SHEETS



PLAN VIEW



FRONT VIEW



END VIEW

CLASS II BARRICADE

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

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
APPROVED BY	