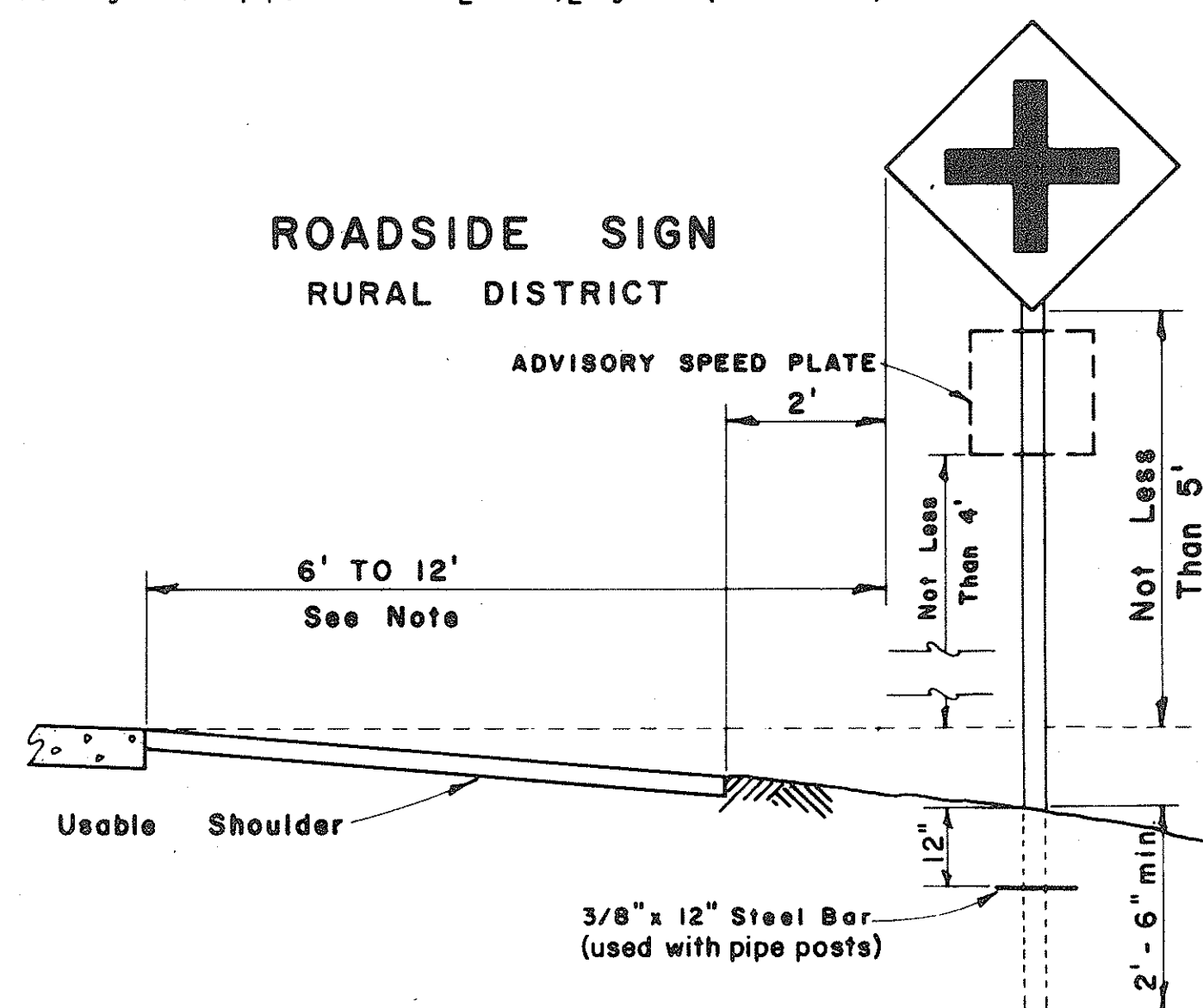
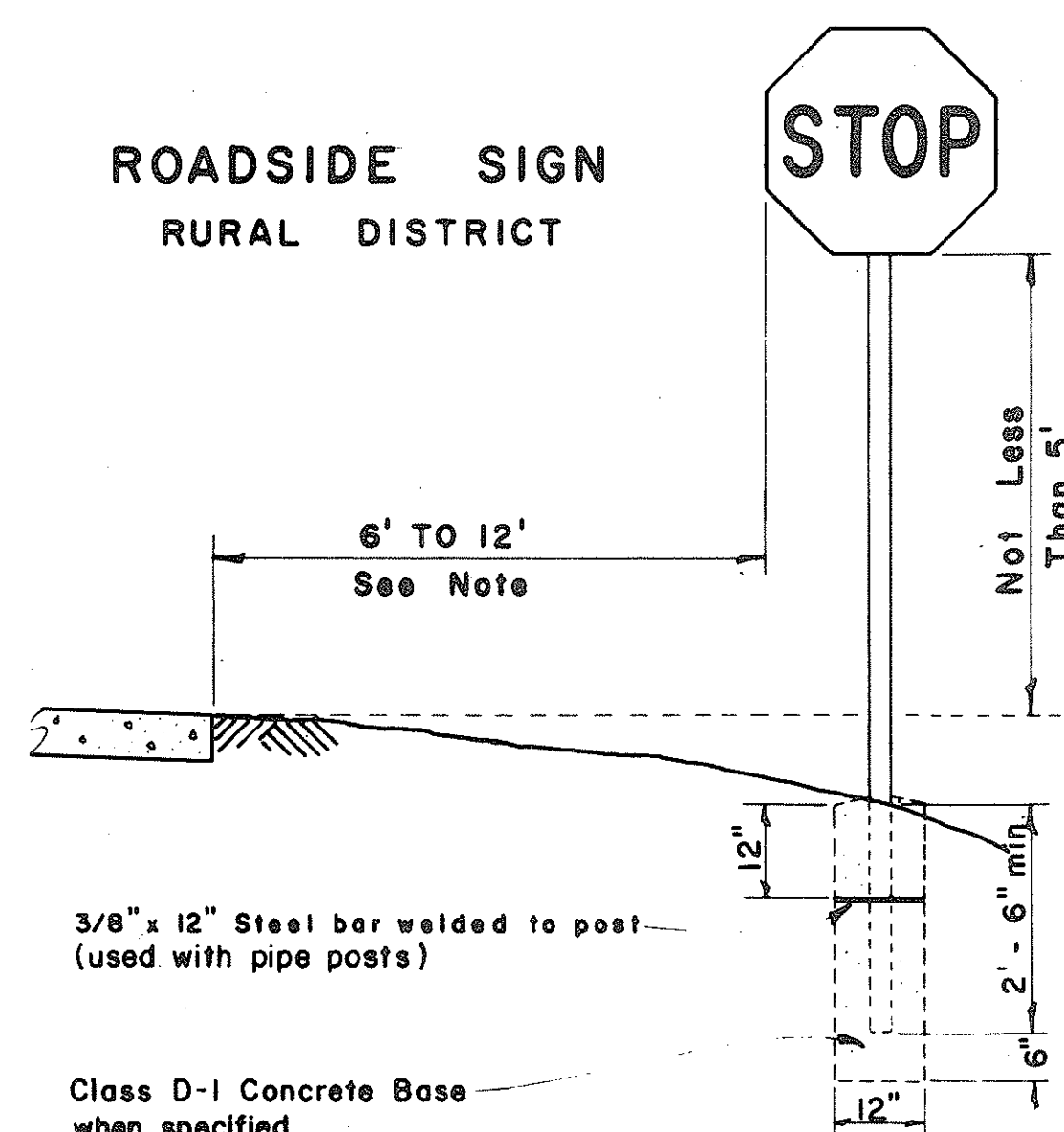
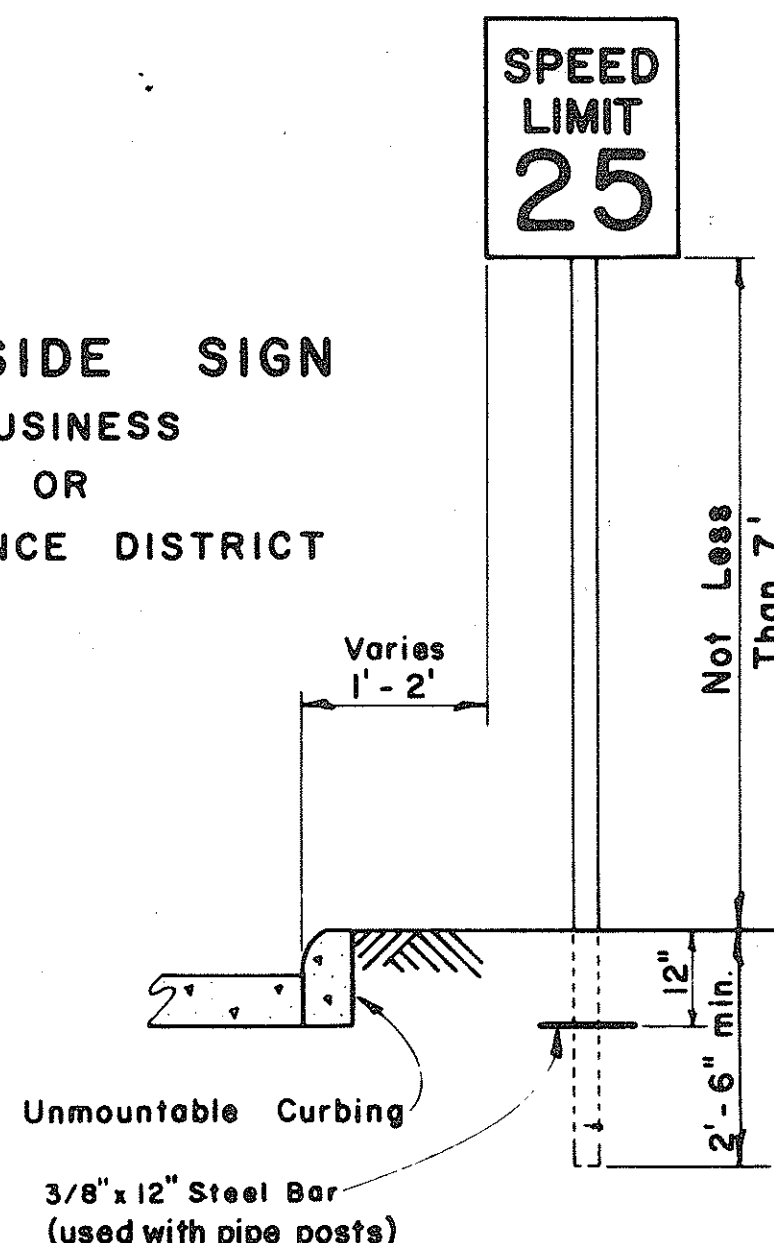


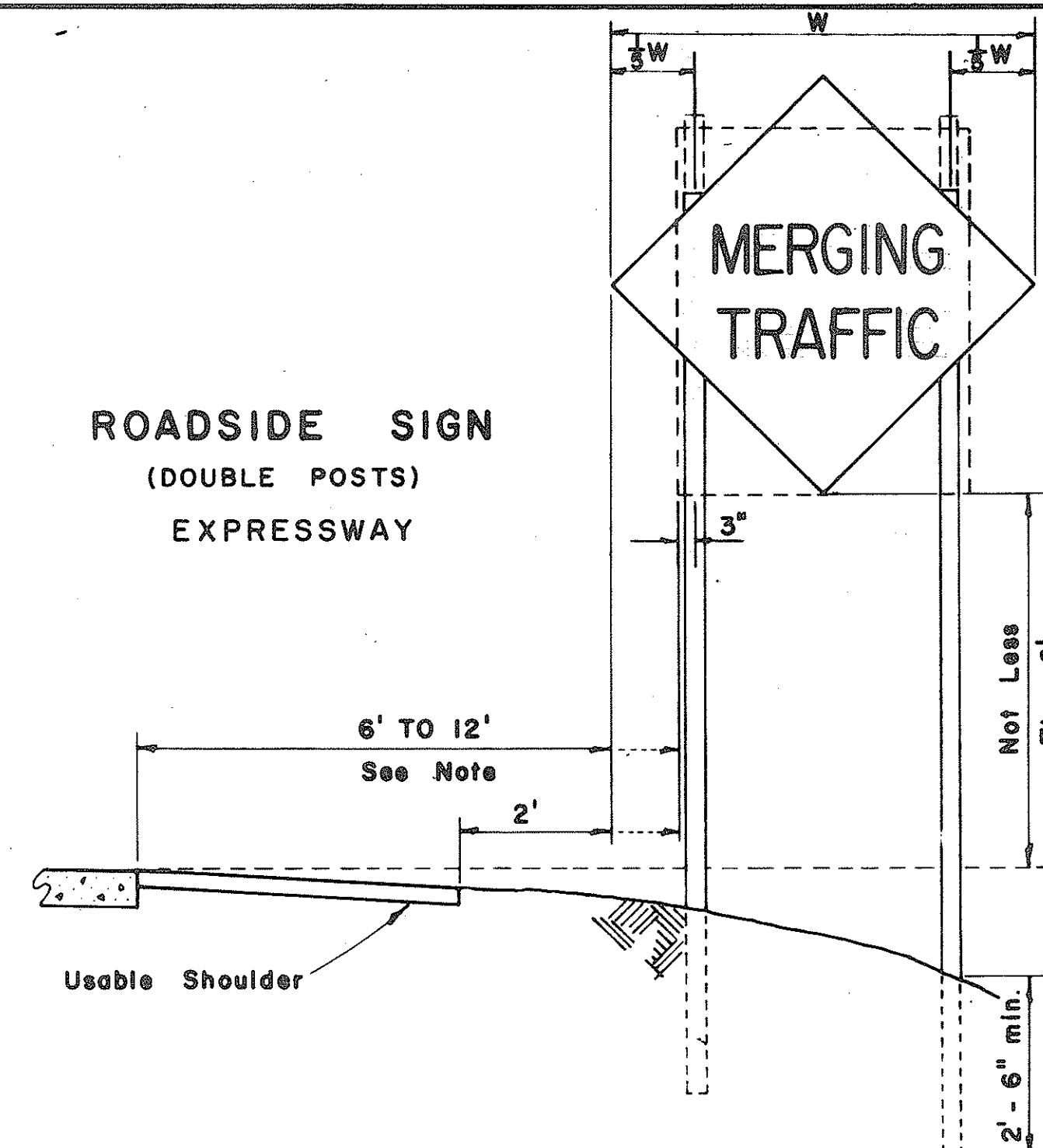
- NOTE:
- All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 - Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs larger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



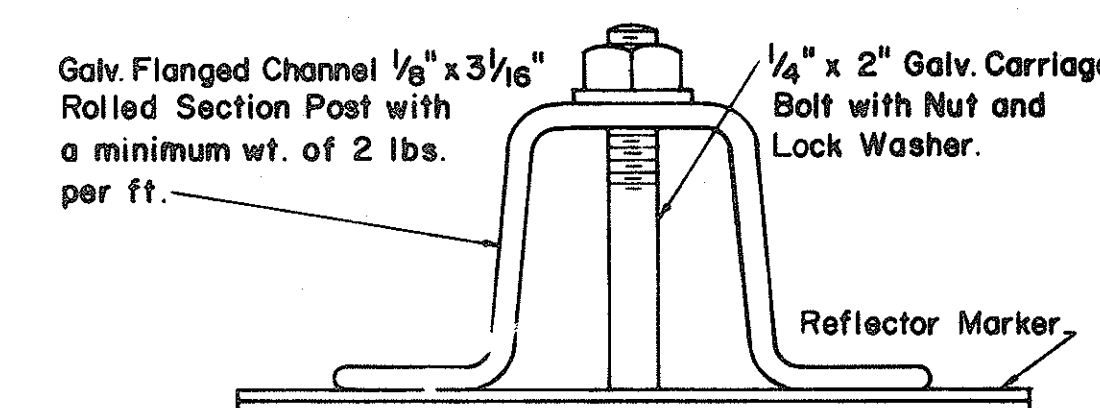
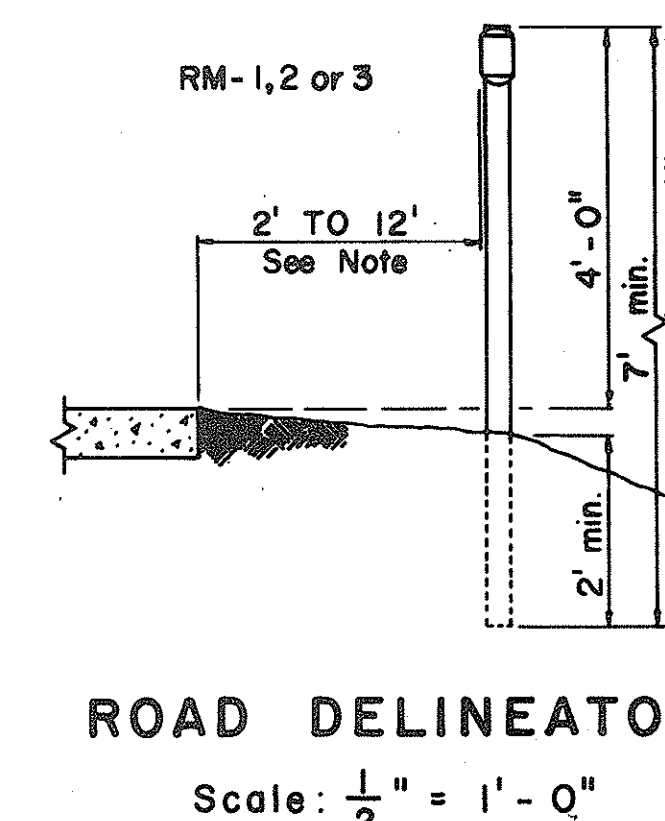
ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT



ROADSIDE SIGN
(DOUBLE POSTS)
EXPRESSWAY

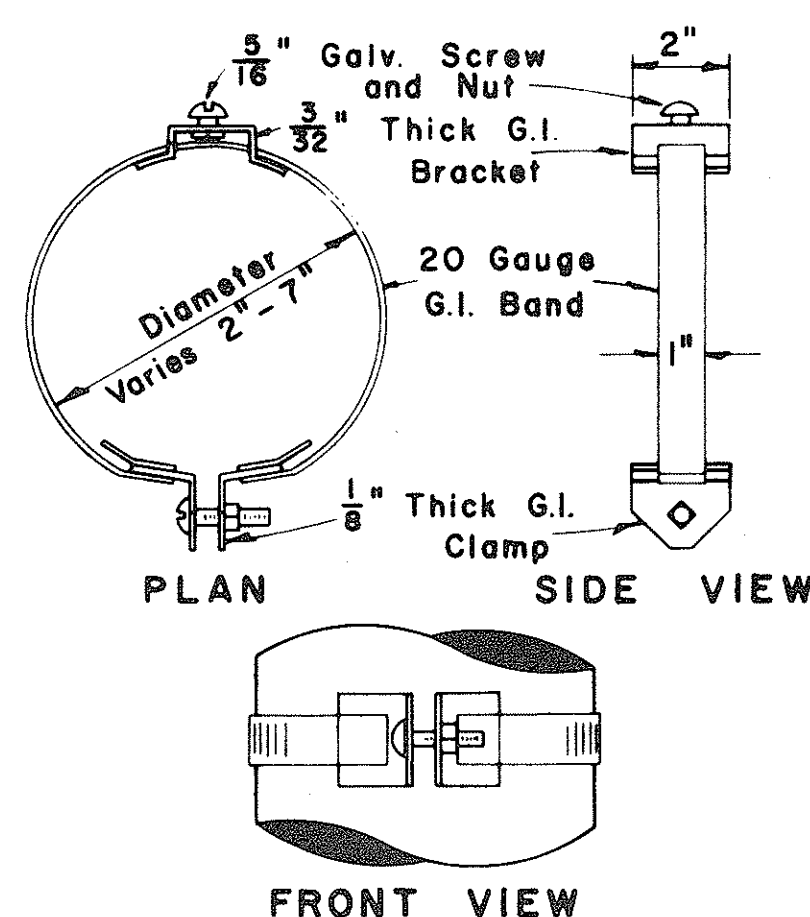
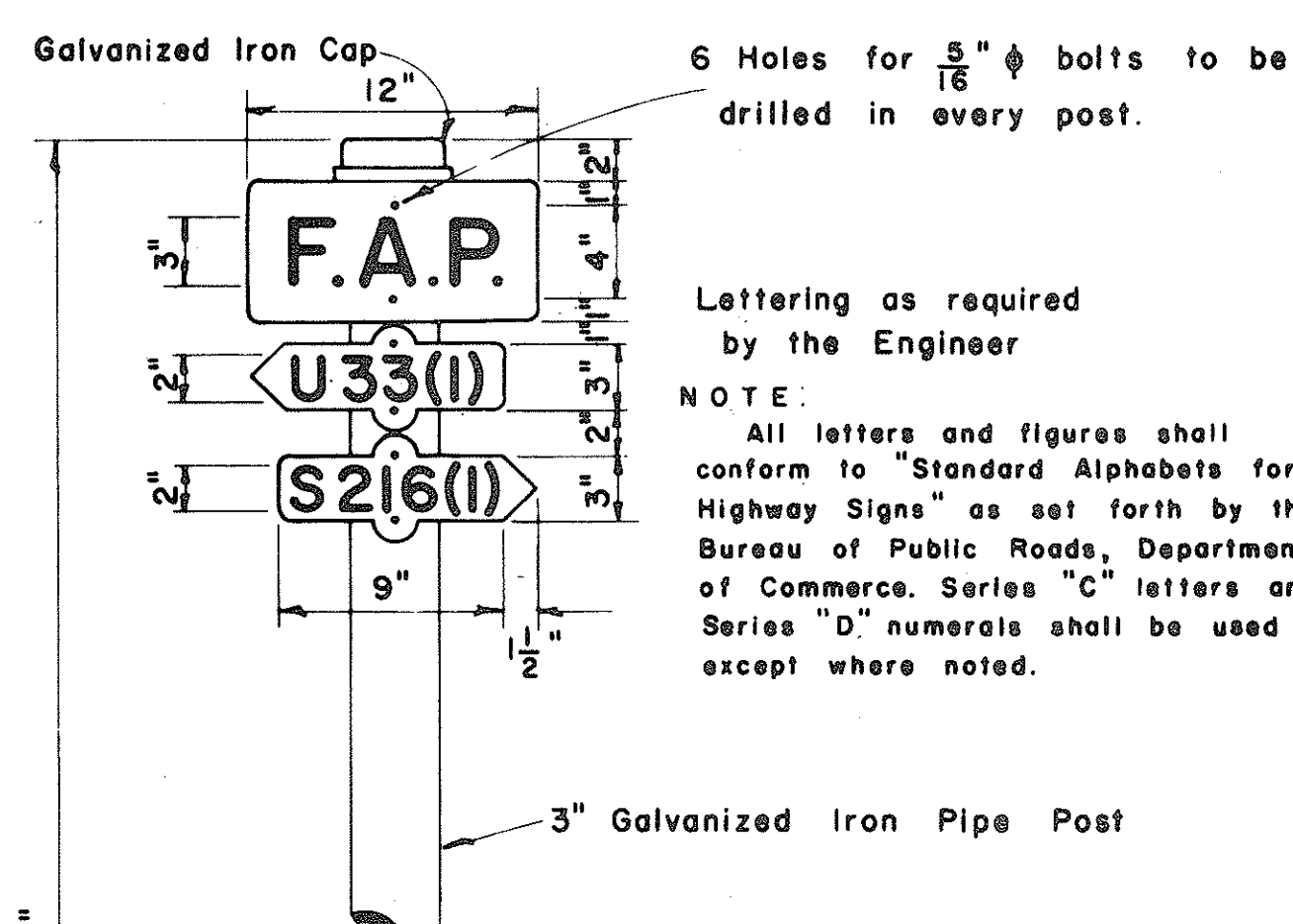


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(24)	1965	48	64



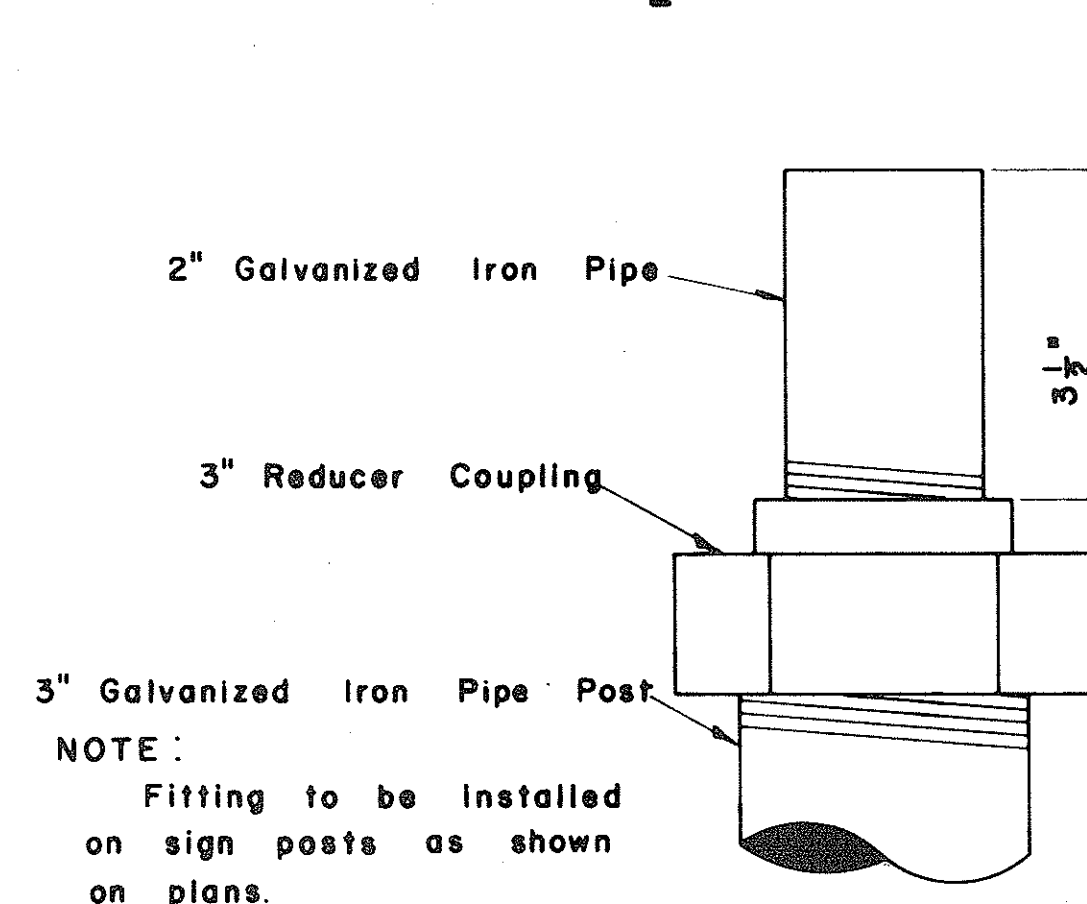
HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

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



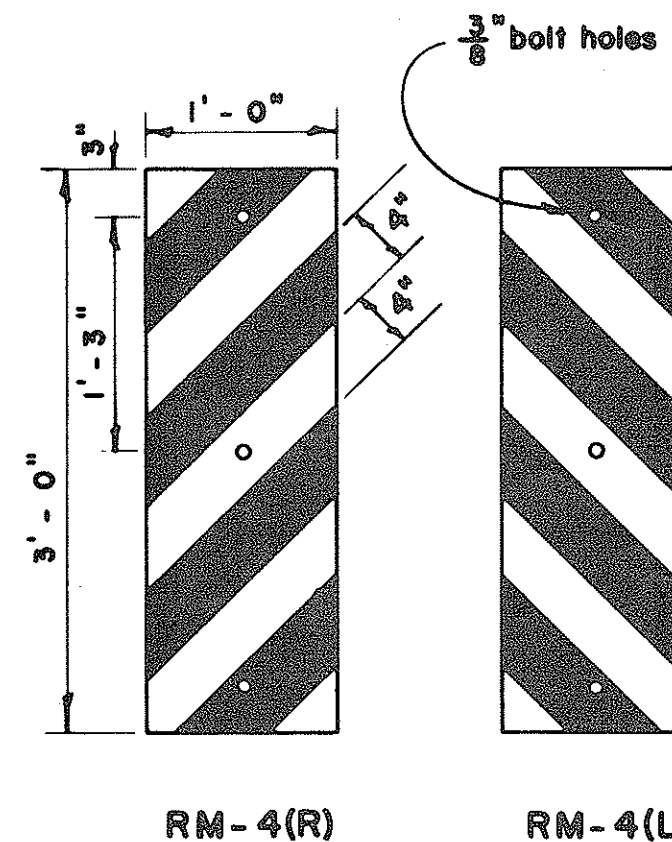
TYPICAL BAND BRACKET
FOR MOUNTING TRAFFIC SIGNS

Scale: 3" = 1' - 0"

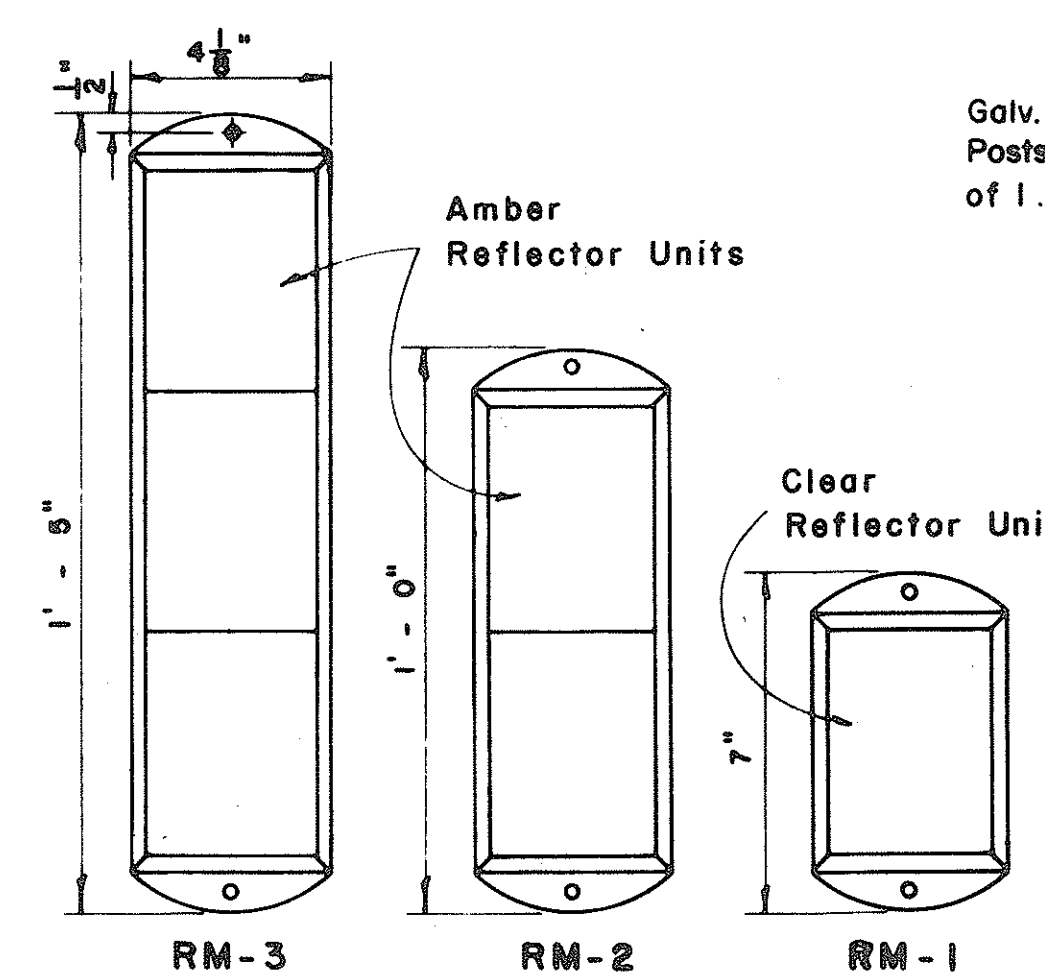


DETAIL OF SIGN POST FITTING
FOR CITY & COUNTY
STREET NAME SIGNS

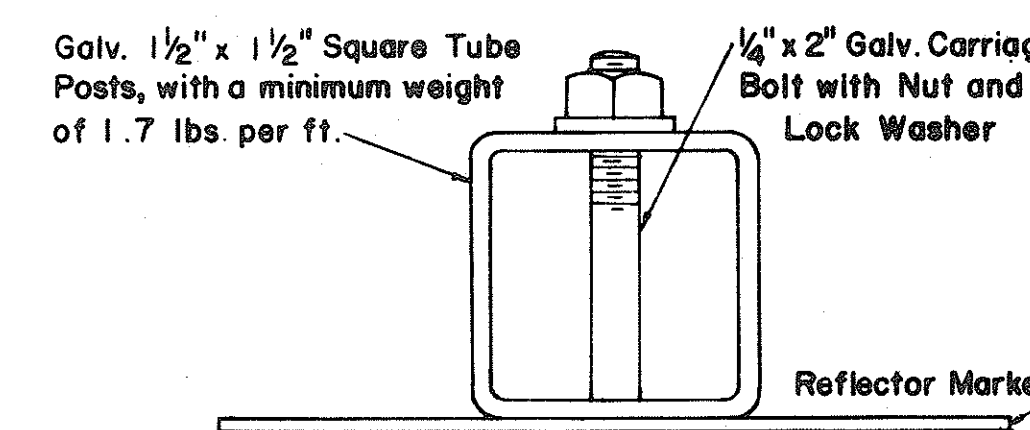
Scale: 1/2" = 1'



Scale: 1" = 1' - 0"



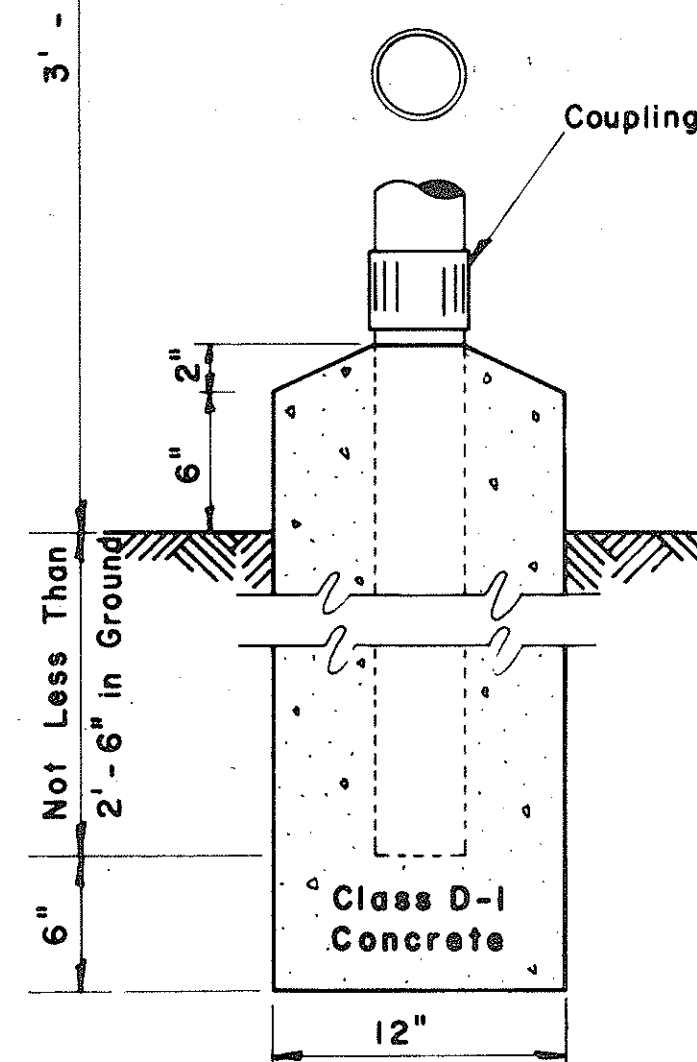
Scale: 3" = 1' - 0"



TYPICAL SECTION
OF ROAD DELINEATOR

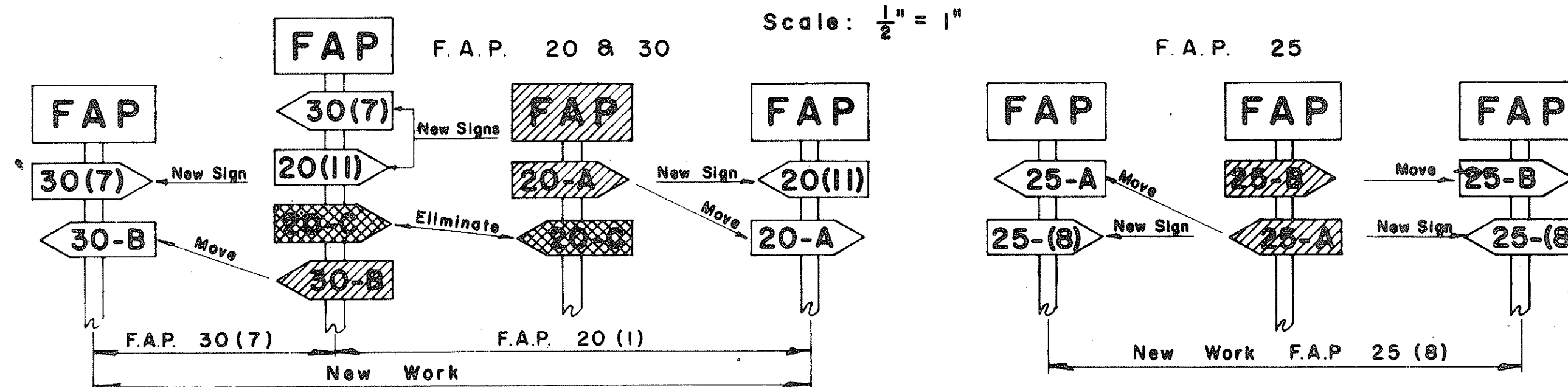
Full Size

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.

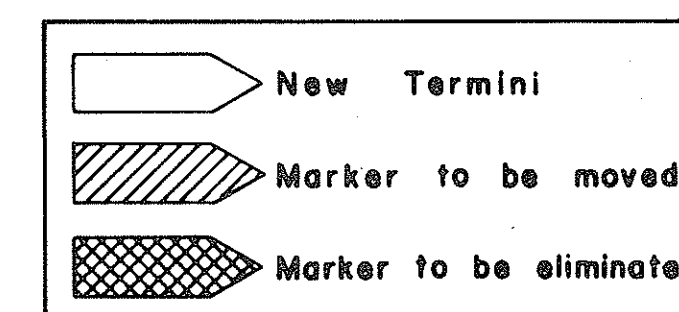


FEDERAL AID MARKER

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



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



APPROVED: DATE: 1/10/66

DIRECTOR OF TRANSPORTATION

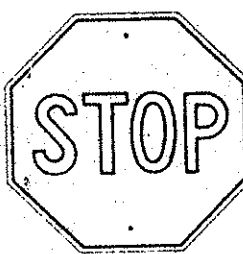
DECEMBER 8, 1964
REVISED: FEBRUARY 25, 1964

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

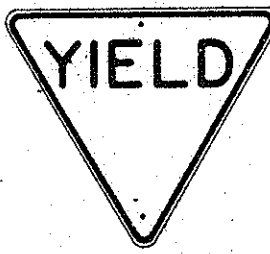
Scale: As Shown

SHEET No. 16 OF 24 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-11(24)	1969	49	64



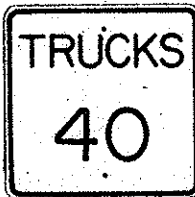
R1 - 1 30"x 30"



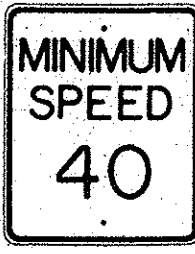
R1 - 2 36"x 36"x 36"
R1 - 2 - E 48"x 48"x 48"
R1 - 2 - I 60"x 60"x 60"



R2 - 1(50) 24"x 30"
R2 - 1(50) - E 36"x 48"
R2 - 1(50) - I 48"x 60"



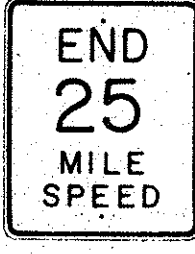
R2 - 2(40) 24"x 24"
R2 - 2(40) - E 36"x 36"
R2 - 2(40) - I 48"x 48"



R2 - 4(40) 24"x 30"
R2 - 4(40) - E 36"x 48"
R2 - 4(40) - I 48"x 60"



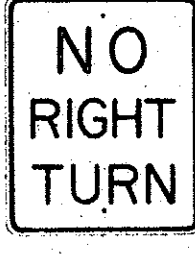
R2 - 5 24"x 30"
R2 - 5 - E 36"x 48"
R2 - 5 - I 48"x 60"



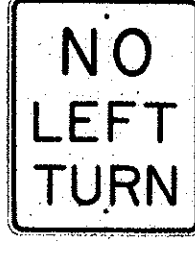
R2 - 6(25) 24"x 30"
R2 - 6(25) - E 36"x 48"
R2 - 6(25) - I 48"x 60"



R2 - 7 24"x 30"
R2 - 7 - E 36"x 48"
R2 - 7 - I 48"x 60"



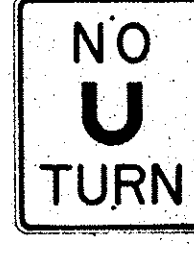
R3 - 1 24"x 30"
R3 - 1 - E 36"x 48"



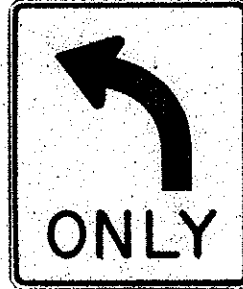
R3 - 2 24"x 30"
R3 - 2 - E 36"x 48"



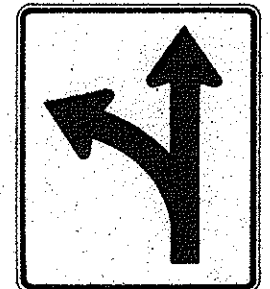
R3 - 3 24"x 24"



R3 - 4 24"x 30"
R3 - 4 - E 36"x 48"
R3 - 4 - I 48"x 60"



R3 - 5(L) 30"x 36"



R3 - 6(L) 30"x 36"



R3 - 7(R) 30"x 30"



R3 - 8(L) 30"x 30"



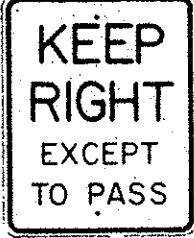
R4 - 1 24"x 30"



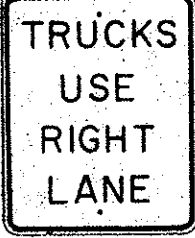
R4 - 2 24"x 30"



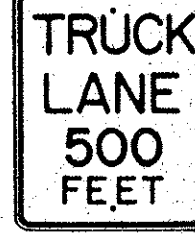
R4 - 3 24"x 30"
R4 - 3 - E 36"x 48"
R4 - 3 - I 48"x 60"



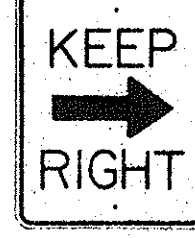
R4 - 4 24"x 30"
R4 - 4 - E 36"x 48"
R4 - 4 - I 48"x 60"



R4 - 5 24"x 30"
R4 - 5 - E 36"x 48"



R4 - 6 24"x 30"
R4 - 6 - E 36"x 48"



R4 - 7(R) 24"x 30"
R4 - 7(R) - E 36"x 48"



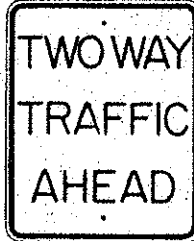
R5 - 1 24"x 24"



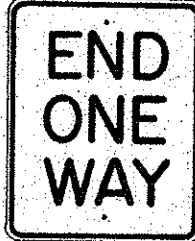
R6 - 1(R) 36"x 12"



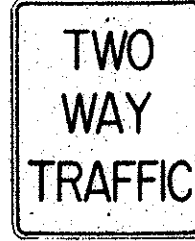
R6 - 2(R) 18"x 24"



R6 - 3 24"x 30"



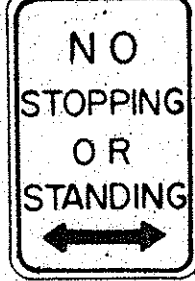
R6 - 4 24"x 30"



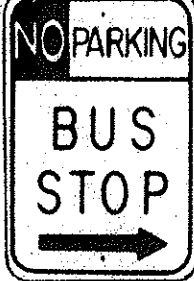
R6 - 5 24"x 30"



R7 - 1 12"x 18"



R7 - 4 12"x 18"
R7 - 4 - E 24"x 30"



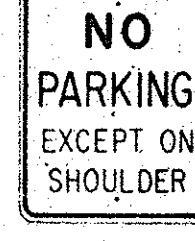
R7 - 107(R) 12"x 18"



R7 - 201 12"x 6"



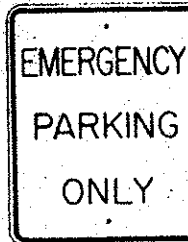
R8 - 1 24"x 30"
R8 - 1 - E 36"x 48"
R8 - 1 - I 48"x 60"



R8 - 2 24"x 30"
R8 - 2 - E 36"x 48"



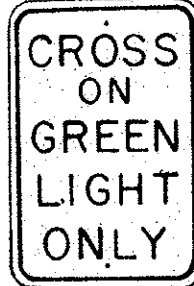
R8 - 3 24"x 30"
R8 - 3 - E 36"x 48"



R8 - 4 24"x 30"
R8 - 4 - E 36"x 48"
R8 - 4 - I 48"x 36"



R9 - 1 18"x 24"



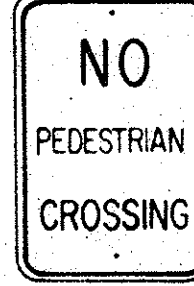
R9 - 2 12"x 18"



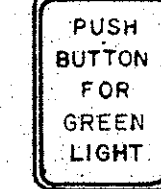
R9 - 3 12"x 18"



R9 - 4 12"x 18"



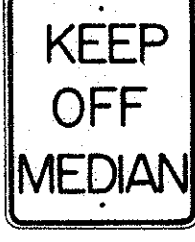
R9 - 5 12"x 18"



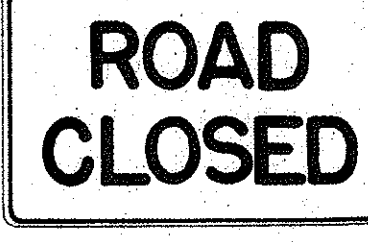
R9 - 6 9"x 12"



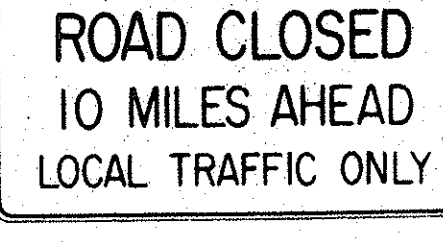
R9 - 7 9"x 12"



RIO - 1 24"x 30"
RIO - 1 - E 36"x 48"
RIO - 1 - I 48"x 60"



RIO - 2 48"x 30"



RIO - 3(10) 60"x 30"



RIO - 4(10) 18"x 24"

NOTE:

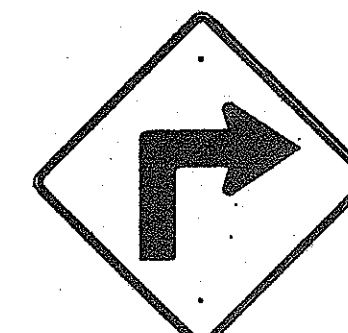
1. The shape, color, dimensions, symbols, wording, lettering and reflectorization of all signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," dated June 1961 and the BPR manual "Standard Highway Signs," dated September 1961 unless otherwise specified.
2. All regulatory signs shall be reflectorized unless otherwise specified.
3. All regulatory signs shall have $\frac{3}{8}$ " bolt holes drilled at appropriate locations unless otherwise noted.
4. The suffix "E" denotes Expressway signs and "I" denotes Interstate signs.
5. For R2 signs, number in () indicates speed and shall be as shown on the plans.
6. (R) or (L) indicates right or left and shall be as shown on the plans.
7. For RIO-4 sign, number in () indicates weight and shall be as shown on the plan.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

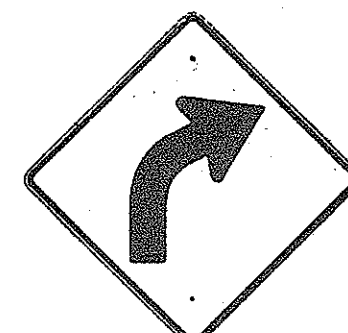
STANDARD DETAILS
REGULATORY SIGNS

NOT TO SCALE

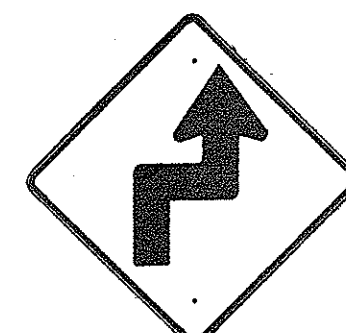
SHEET No. 17 OF 24 SHEETS



W1-1(R) 30" x 30"



W1-2(R) 30" x 30"



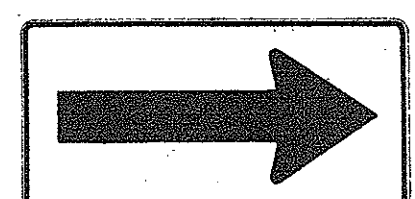
W1-3(R) 30" x 30"



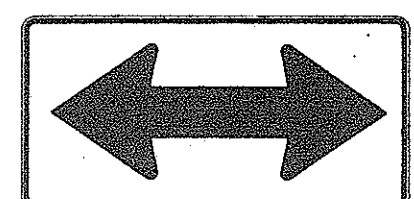
W1-4(R) 30" x 30"



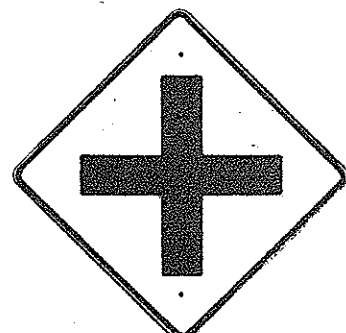
W1-5(R) 30" x 30"



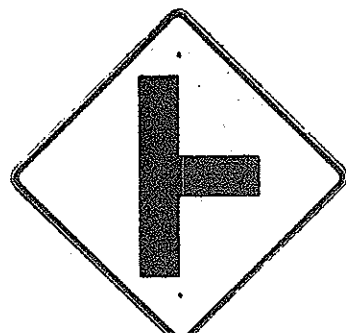
W1-6 48" x 24"



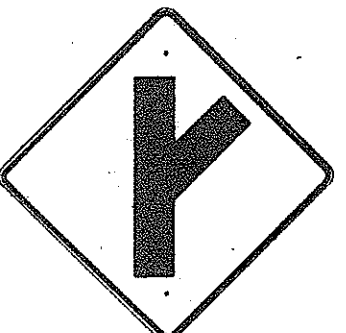
W1-7 48" x 24"



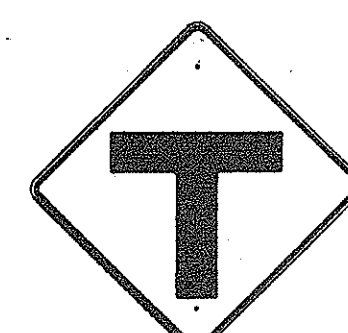
W2-1 30" x 30"



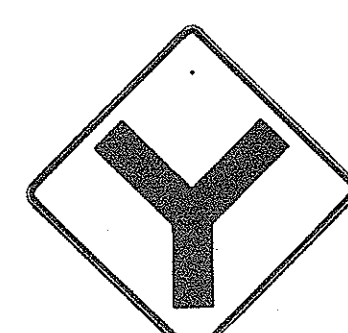
W2-2 30" x 30"



W2-3(R) 30" x 30"



W2-4 30" x 30"



W2-5 30" x 30"



W3-1 30" x 30"



W3-2 30" x 30"



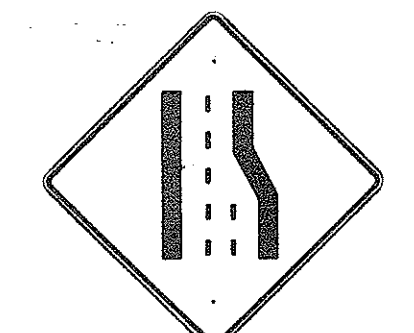
W3-3 36" x 36"



W4-1 30" x 30"

W4-1-E 36" x 36"

W4-1-I 48" x 48"



W4-2 30" x 30"

W4-2-E 36" x 36"



W5-1 30" x 30"

W5-1-E 36" x 36"



W5-2 30" x 30"



W5-3 30" x 30"



W6-1 36" x 36"



W6-2 36" x 36"



W7-1 30" x 30"



W8-1 30" x 30"



W8-2 30" x 30"



W8-3 30" x 30"



W8-4 30" x 30"



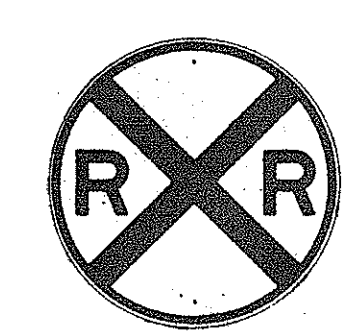
W8-5 30" x 30"



W9-1 30" x 30"



W9-2 30" x 30"



W10-1 36" DIAMETER



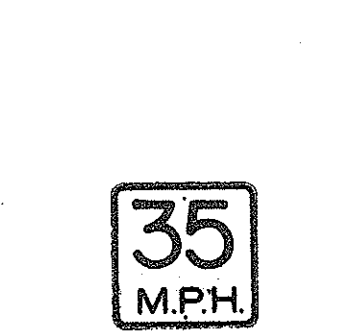
W11-1 30" x 30"



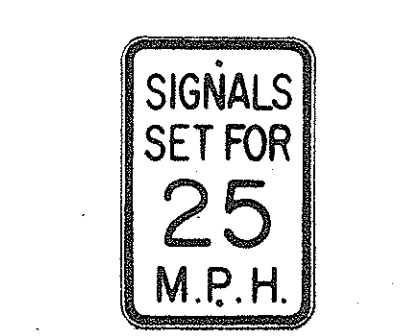
W11-5 30" x 30"



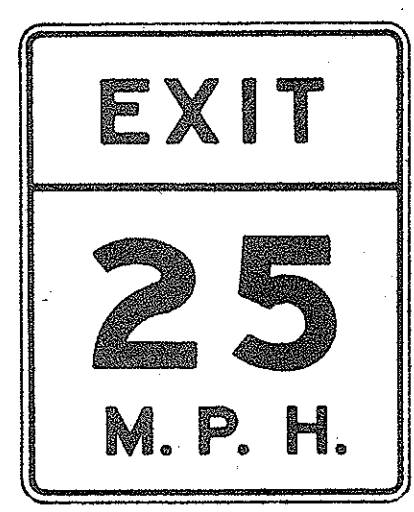
W12-2 36" x 36"



W13-1(35) 18" x 18"



W13-2(25) 12" x 18"



W13-3(25)-I 48" x 60"

NOTE:

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 warning signs shall be reflectorized unless otherwise specified.
3. All warning signs shall have $\frac{3}{8}$ " bolt holes drilled at appropriate locations unless otherwise noted.
4. (R) or (L) indicates right or left and shall be as shown on the plan.
5. The suffix "E" denotes Expressway signs and "I" denotes Interstate signs.
6. For W13 sign, number in () indicates speed and shall be as shown on the plans.

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

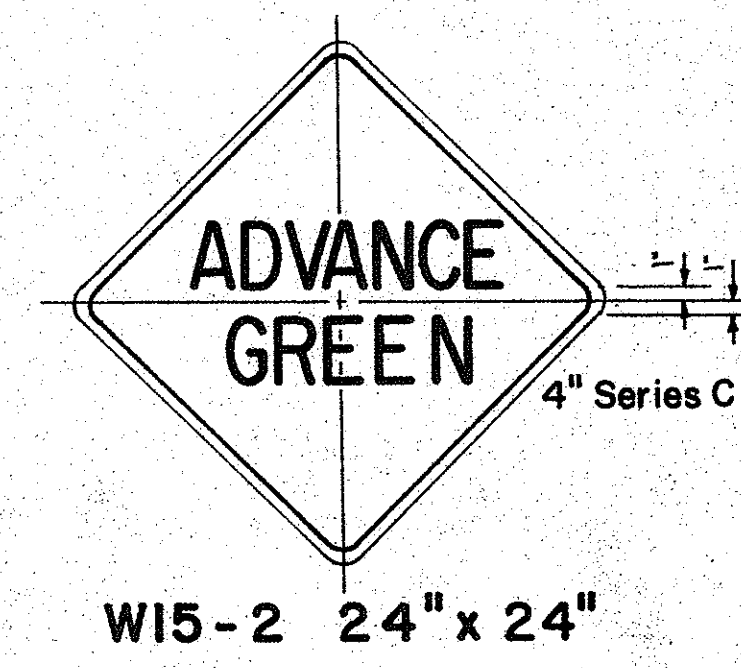
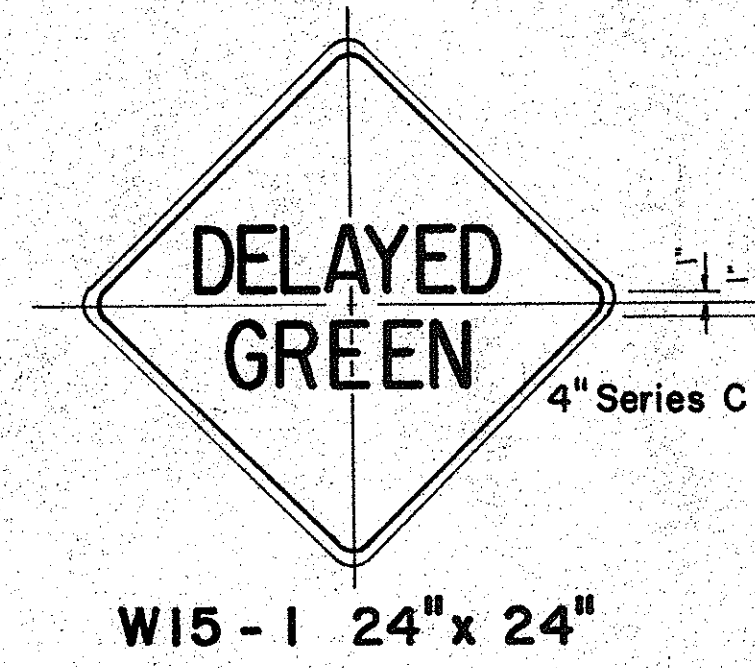
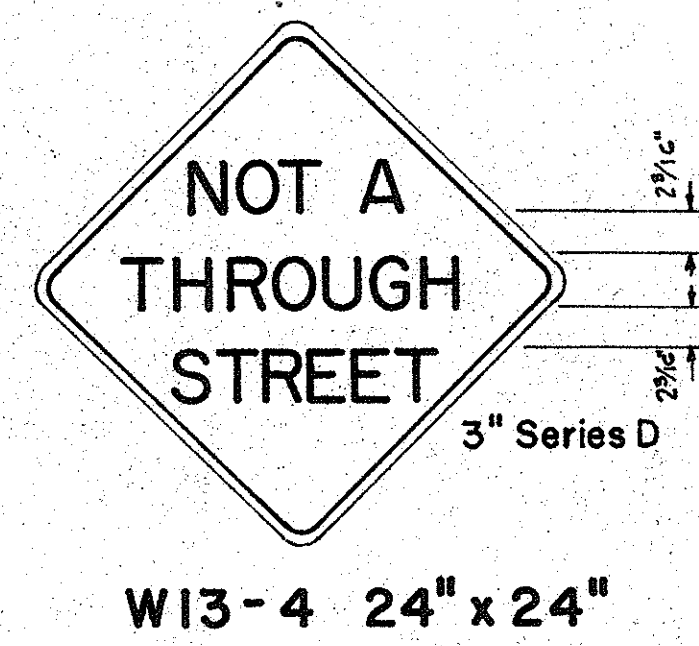
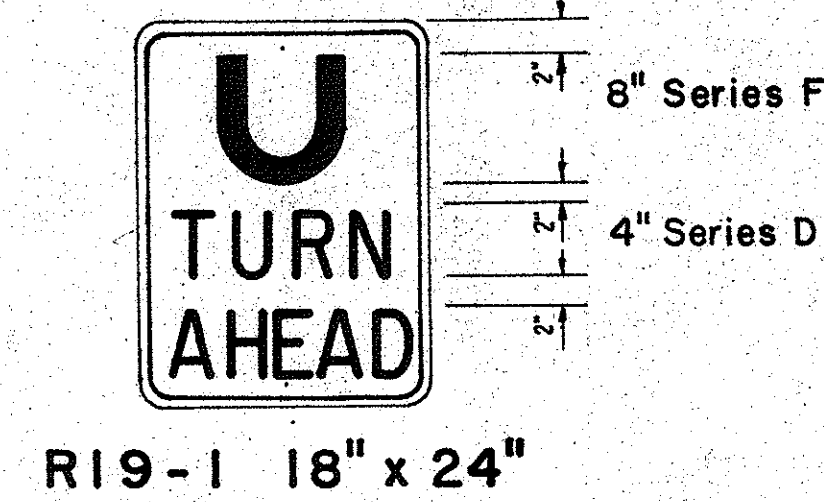
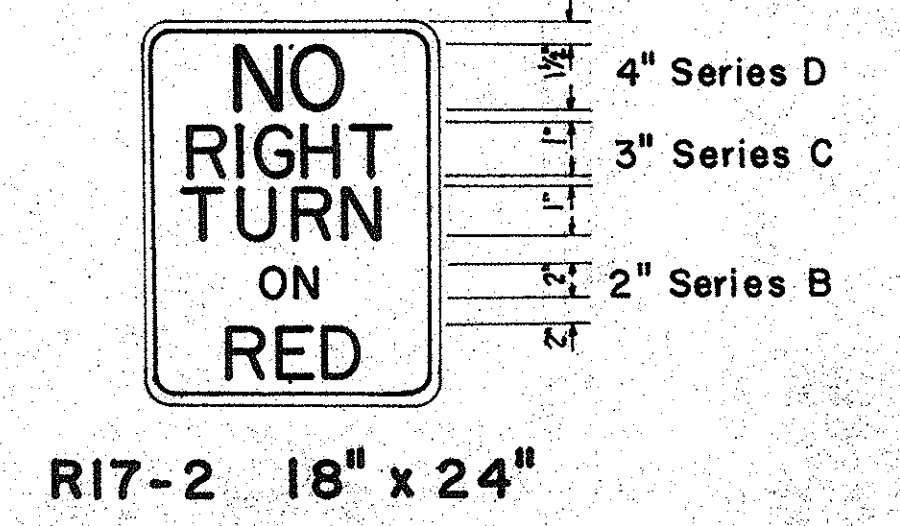
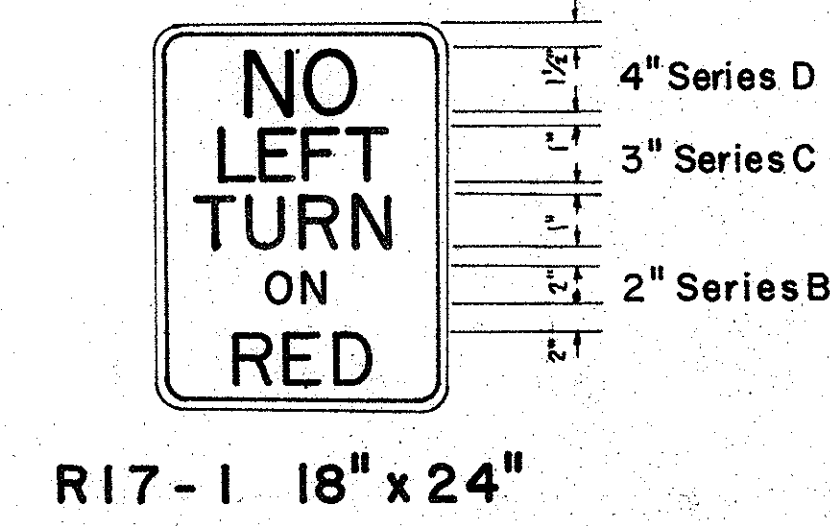
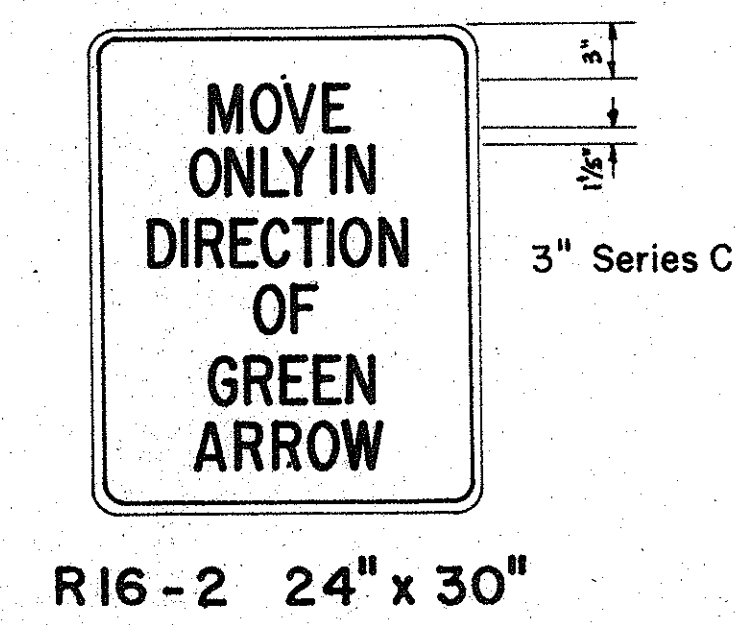
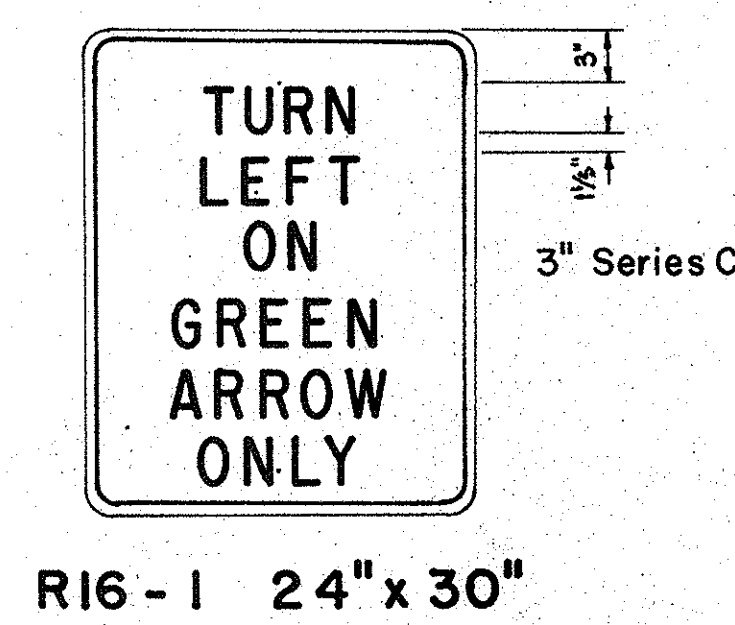
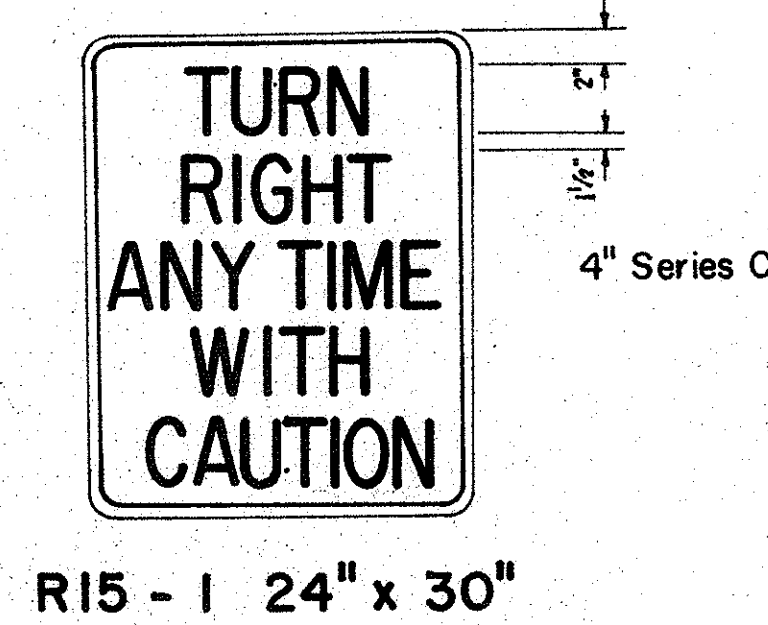
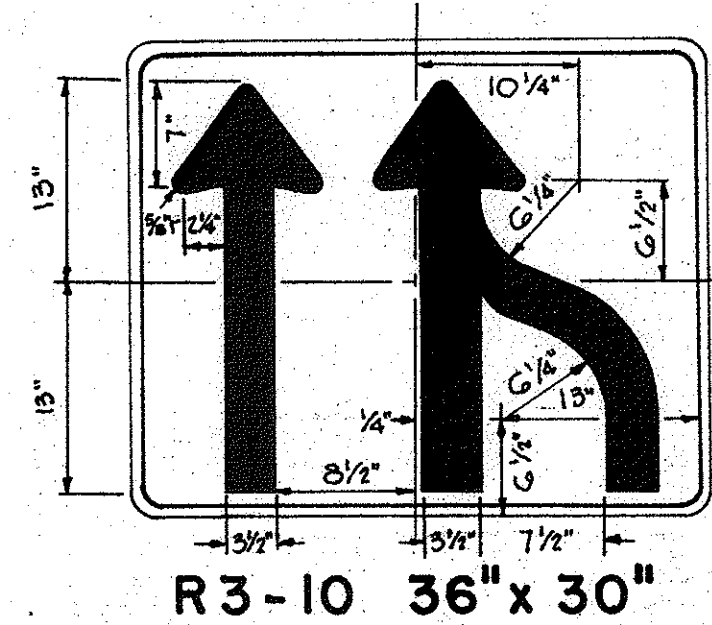
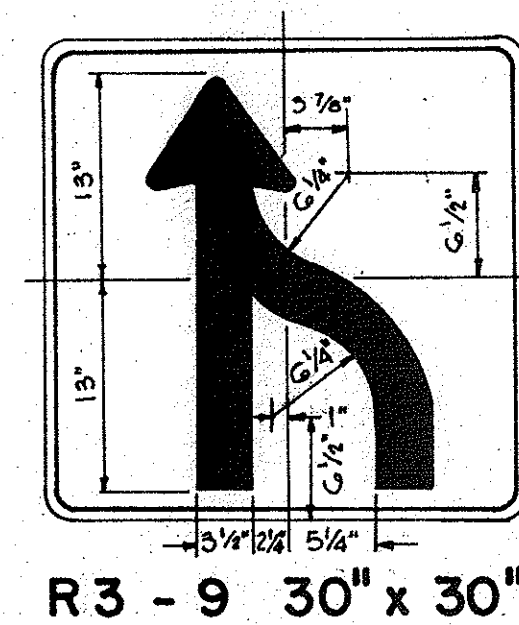
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

STANDARD DETAILS
WARNING SIGNS

 NOT TO SCALE

 SHEET No. 18 OF 24 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(24)	1965	51	64



- 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 $\frac{3}{8}$ " bolt holes drilled at appropriate locations unless otherwise noted.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
MISCELLANEOUS
REGULATORY & WARNING SIGNS

Scale: 1" = 1'-0"

SHEET No. 19 OF 24 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-HI-1(24)	1965	52	64



W 7-2 48"x 48"



W 8-7 30"x 30"



W 14-1 30"x 30"



W 20-1a 48"x 48"



W 20-2d 48"x 48"



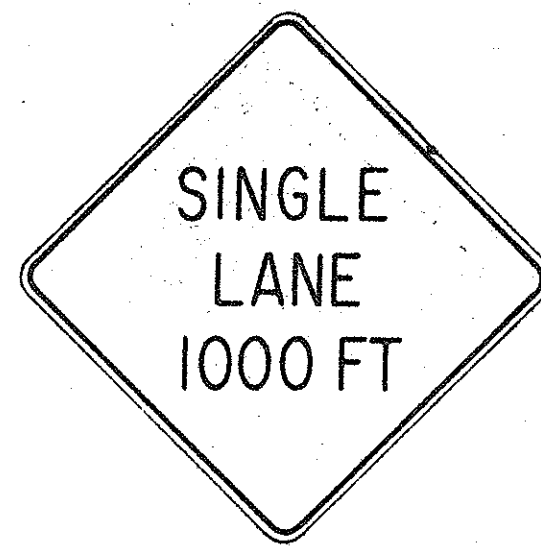
W 20-3b 48"x 48"



W 20-4d 48"x 48"



W 20-5d(L) 48"x 48"



W 20-6b 48" x 48"



W 20-7c 48" x 48"



W 21-1 30"x 30"



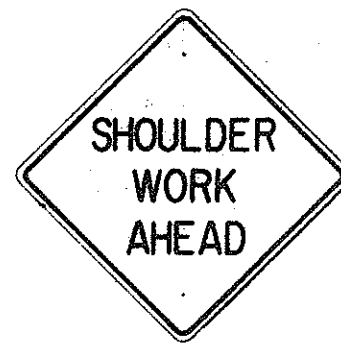
W 21-2 24"x 24"



W 21-3 36"x 36"



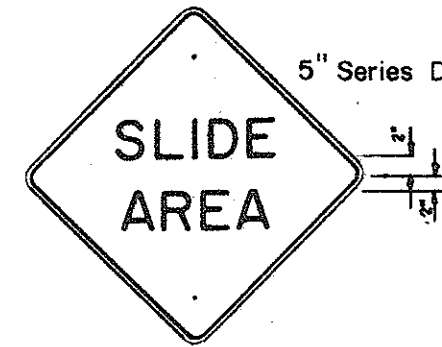
W 21-4 30"x 30"



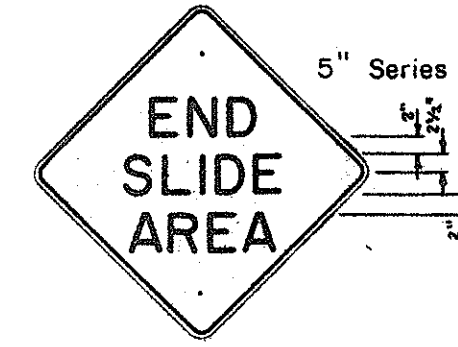
W 21-5 30"x 30"



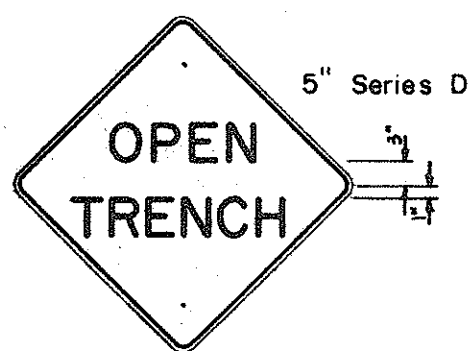
W 21-6 30"x 30"



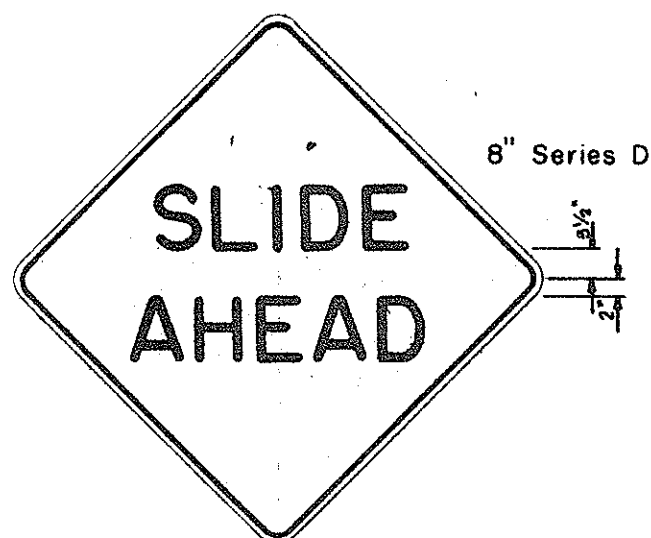
W 22-1 30"x 30"



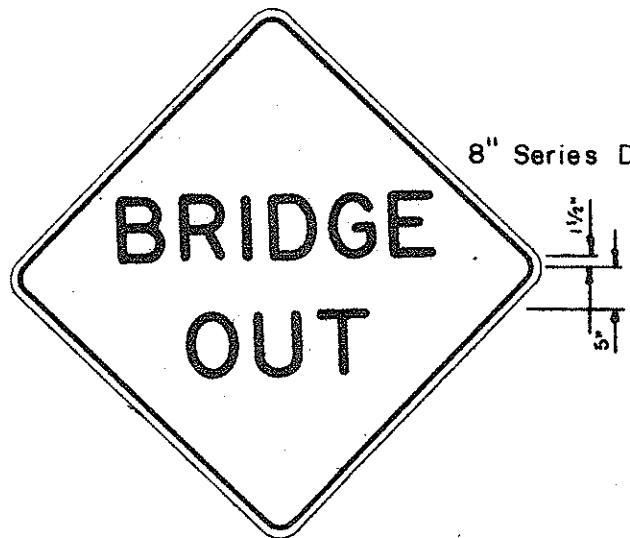
W 22-2 30" x 30"



W 22-3 30" x 30"



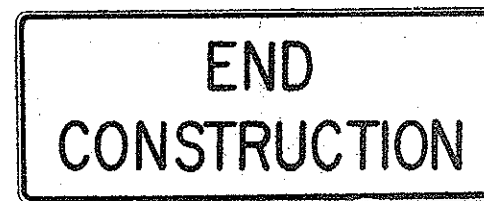
W 22-4 48" x 48"



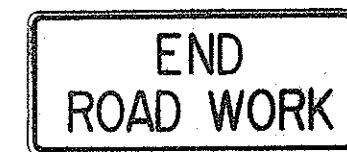
W 22-5 48" x 48"



G 20-1(5) 60"x 36"



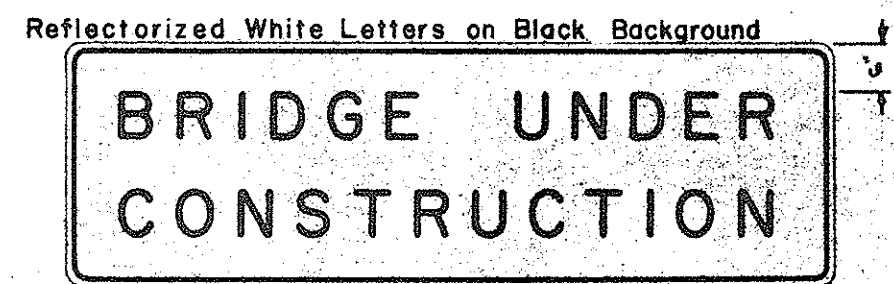
G 20-2 60"x 24"



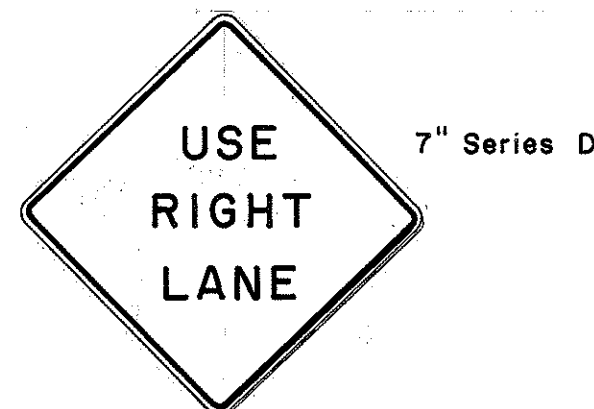
G 20-3 42"x 18"



M 5-7(L) 48"x 18"



CW-1 96" x 30"



W 20-8 48" x 48"

- NOTE:
- 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.
 - All signs shall be reflectorized unless otherwise specified.
 - All signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise noted.
 - For W20 series signs, suffixes a,b,c and d are as follows a 1500 FT, b 1000 FT, c 500 FT and d AHEAD
 - (R) or (L) indicates right or left and shall be as shown on the plans.
 - Number in () indicates miles and shall be as shown on the plans.

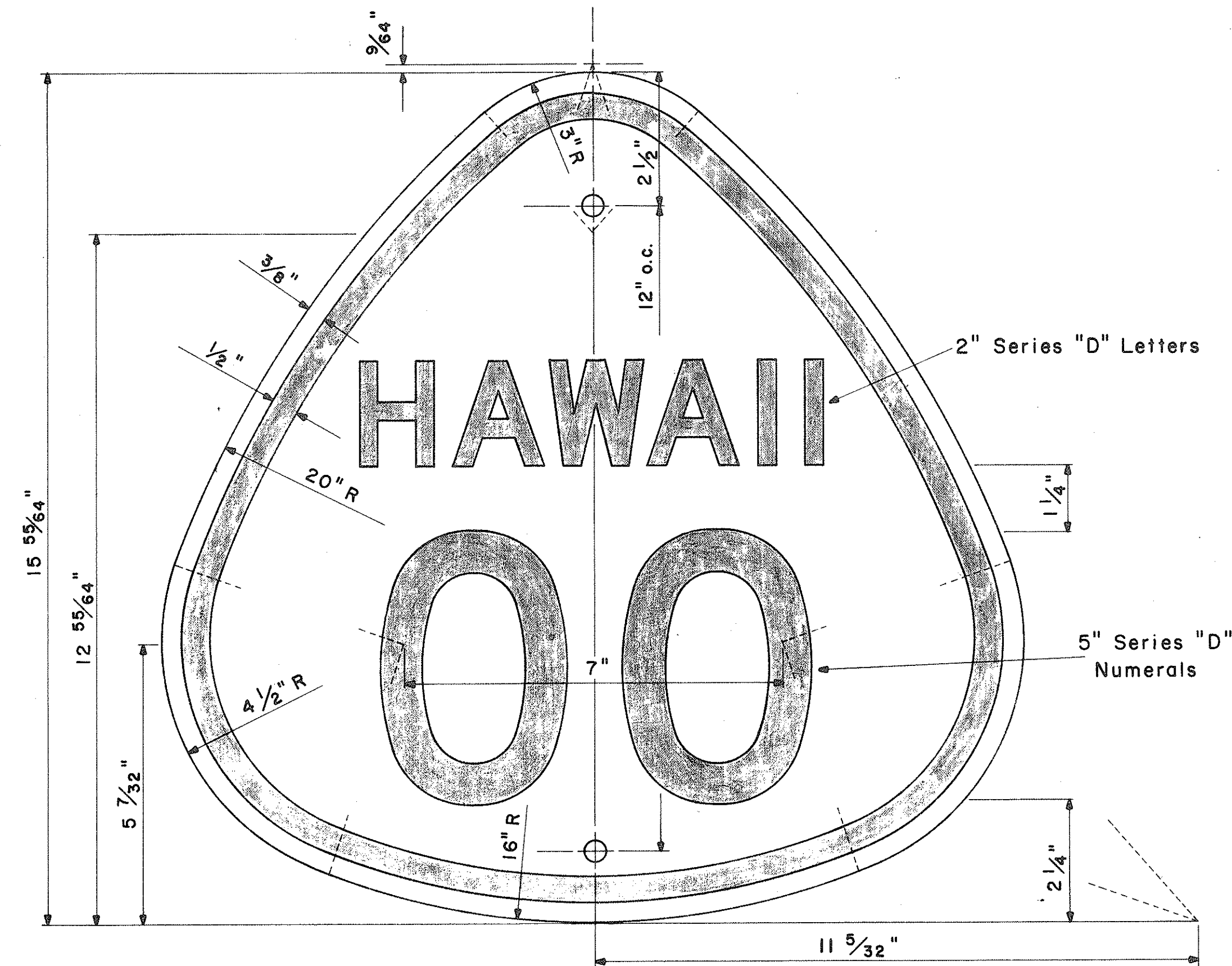
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS CONSTRUCTION SIGNS

NOT TO SCALE

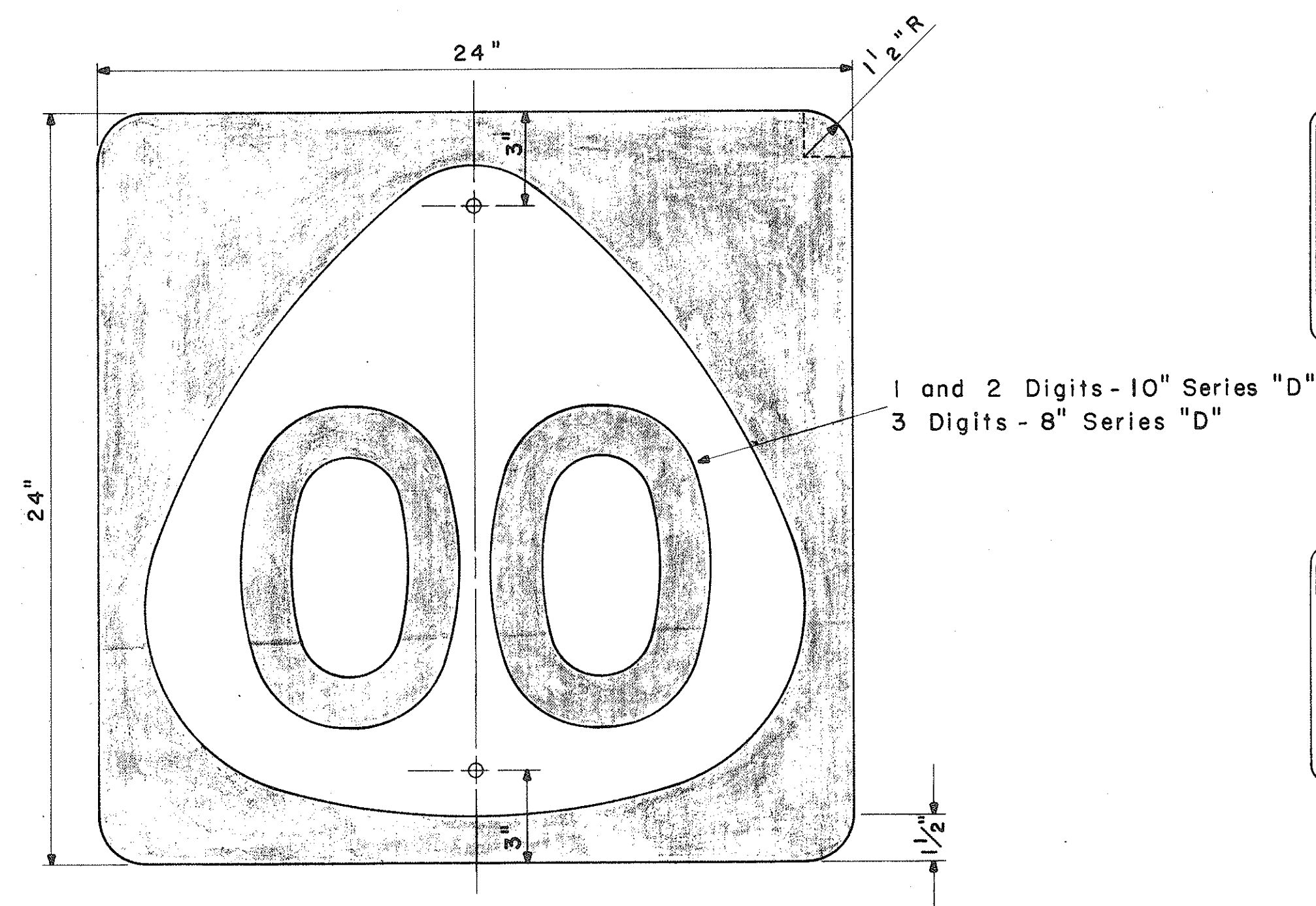
SHEET No. 20 OF 24 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	" "
No. _____	TRACED BY	" "
	QUANTITIES BY	" "
	CHECKED BY	" "



STATE ROUTE MARKER
MI-3(OO)

Scale: 1/2" = 1"

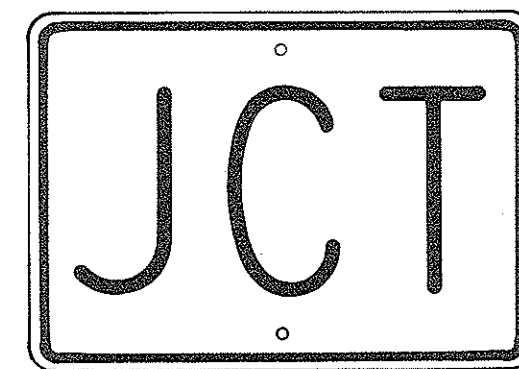


STATE ROUTE MARKER
MI-4(OO)

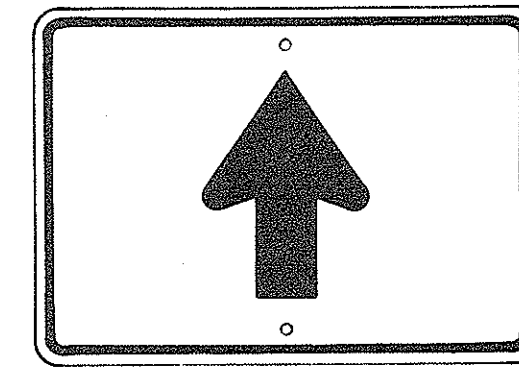
Scale: 1/4" = 1"

NOTE:

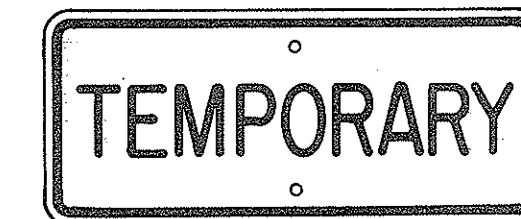
Multiply all dimensions of State Route Marker MI-3 by 1.3 for the dimensions of the shield for MI-4.



M2-1
21" x 15"



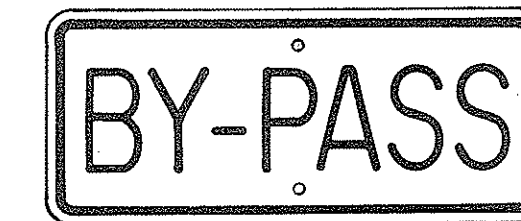
M4-3
21" x 15"



M5-1
21" x 9"



M5-2
21" x 9"



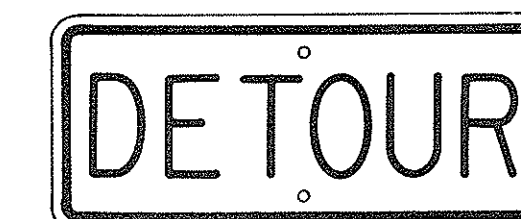
M5-3
21" x 9"



M5-4
21" x 9"



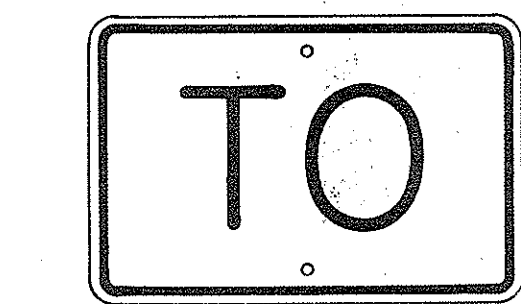
M5-5
21" x 9"



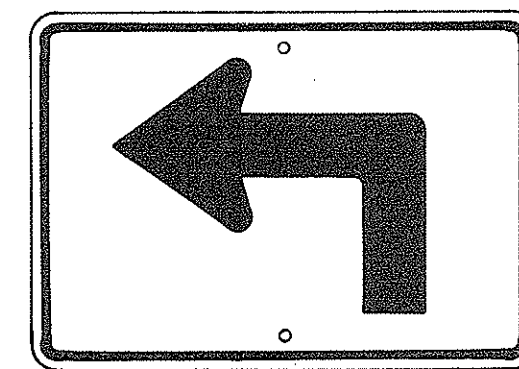
M5-6
21" x 9"



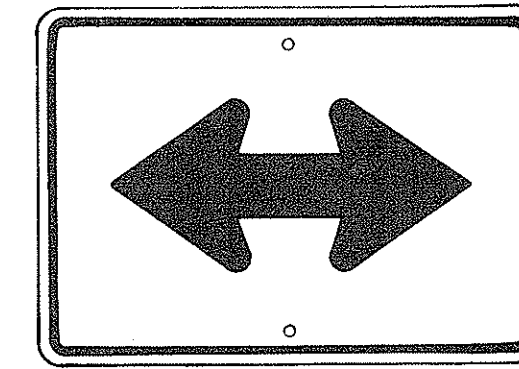
M6-1-N
21" x 9"
(See Note 6)



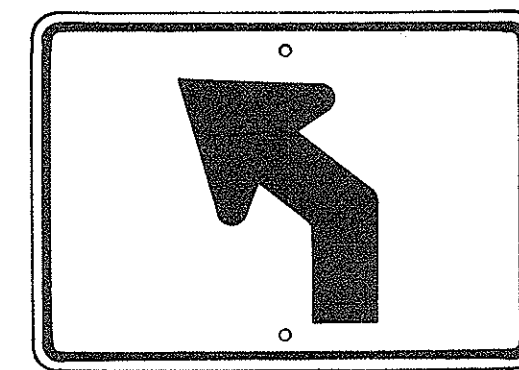
M7-1
18" x 12"



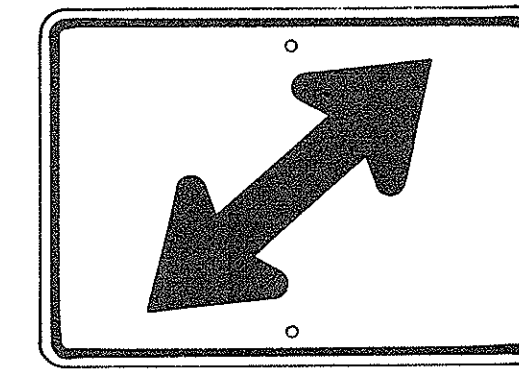
M3-1-L
* M3-1-R
21" x 15"



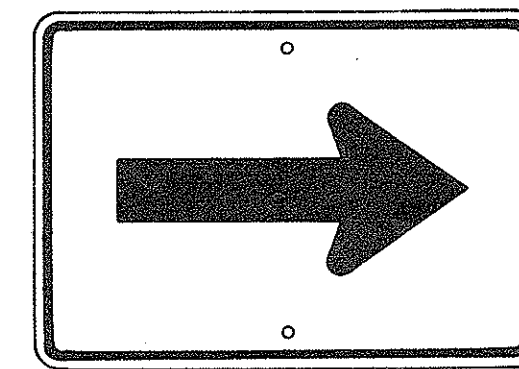
M4-4
21" x 15"



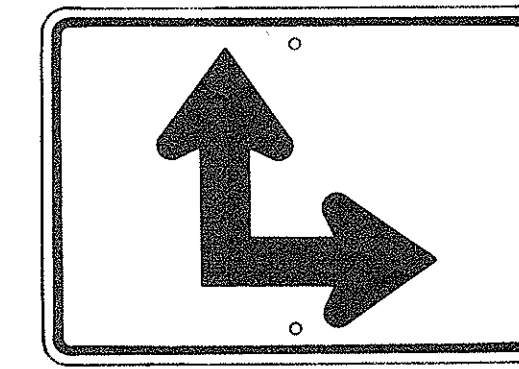
M3-2-L
* M3-2-R
21" x 15"



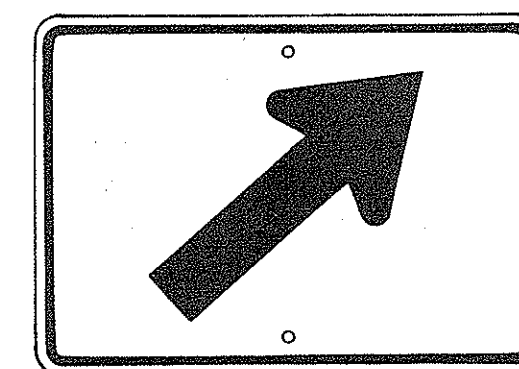
M4-5-R
* M4-5-L
21" x 15"



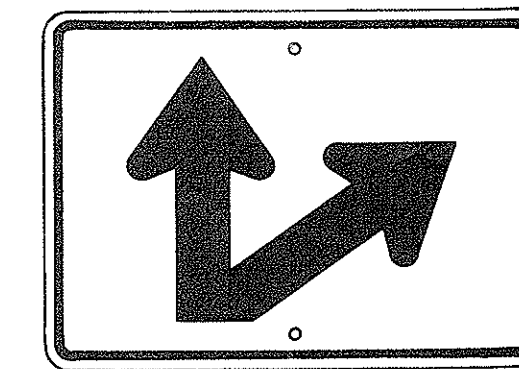
M4-1
21" x 15"



M4-6-R
* M4-6-L
21" x 15"



M4-2-R
* M4-2-L
21" x 15"



M4-7-R
* M4-7-L
21" x 15"

AUXILIARY MARKERS

Scale: 1/8" = 1"

* NOTE:

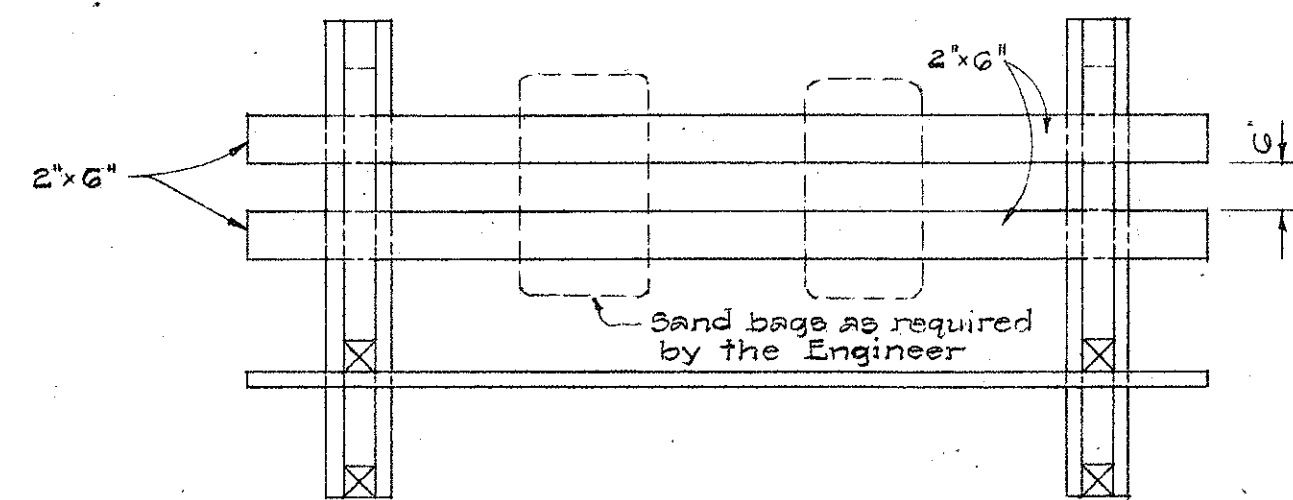
Signs shall be similar but opposite in direction.

GENERAL NOTES

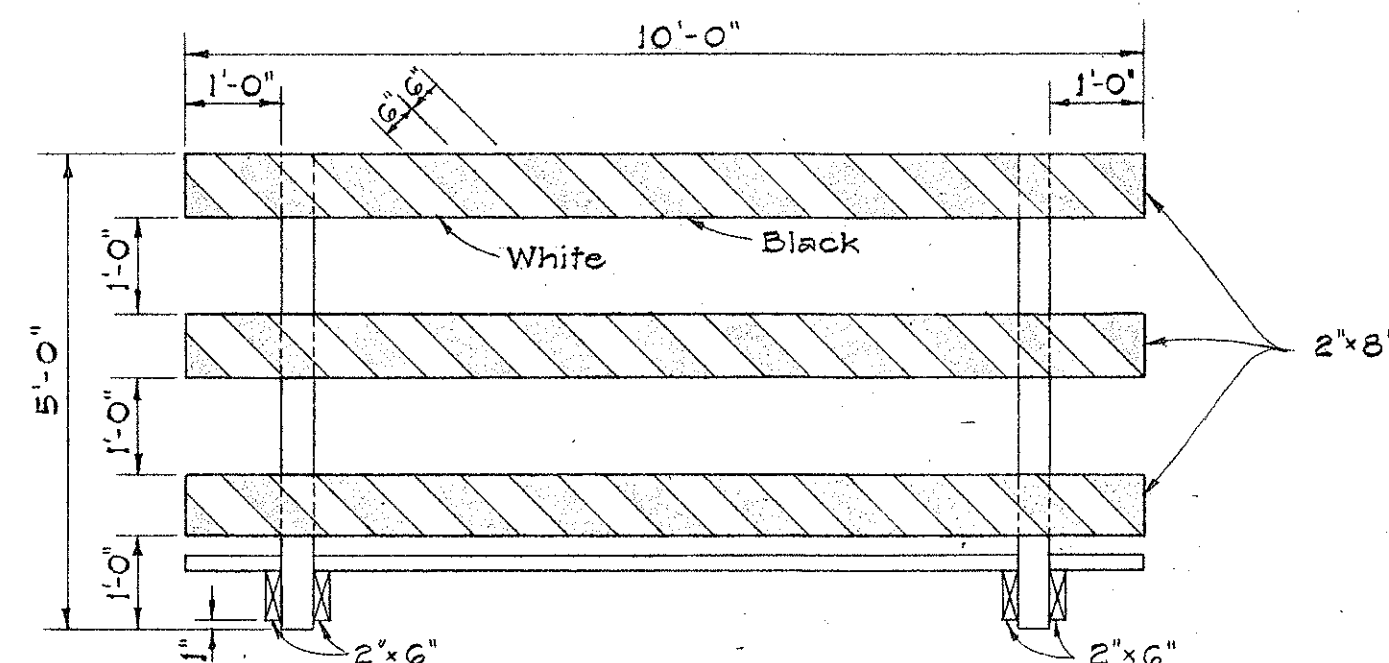
- The shape, color, dimensions, symbols, wording, lettering and reflectorizing of all signs shall be in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways," dated June 1961 and the BPR manual "Standard Highway Signs," dated September 1961, unless otherwise specified.
- 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
SHEET NO. 21 OF 24 SHEETS

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

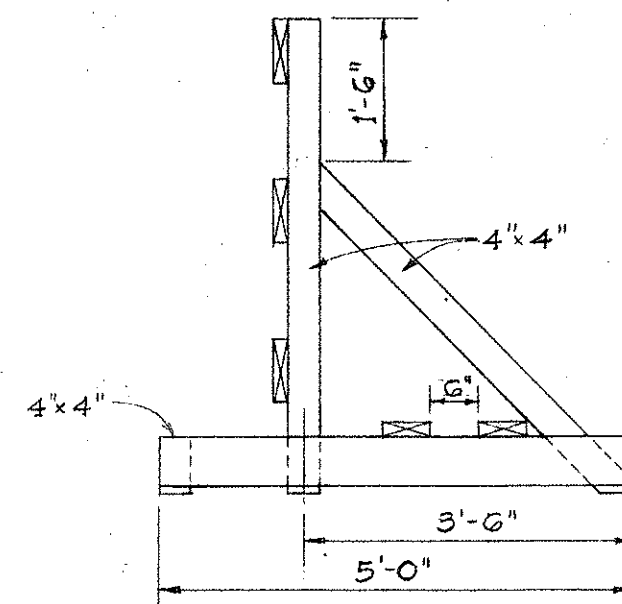


PLAN VIEW

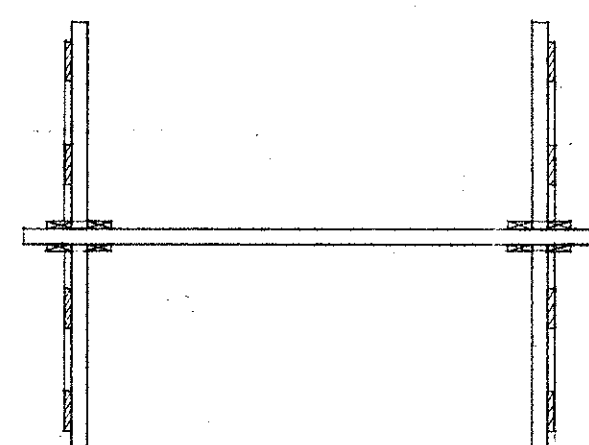


FRONT VIEW

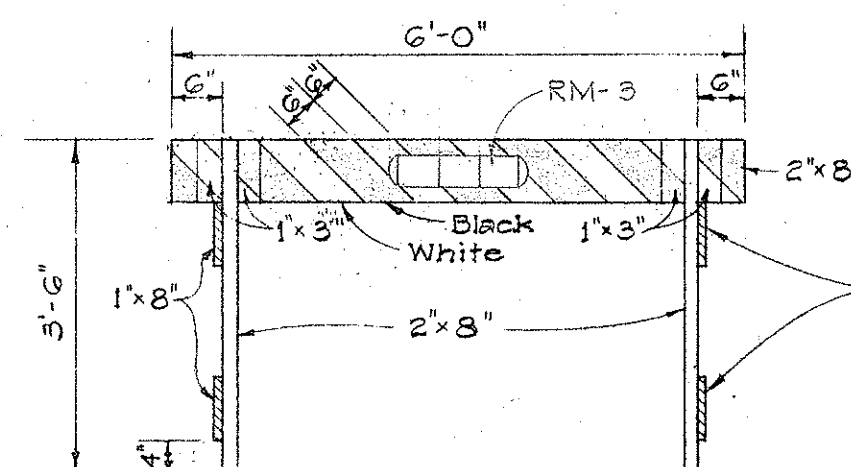
CLASS I BARRICADE
Scale: 1/2" = 1'-0"



END VIEW

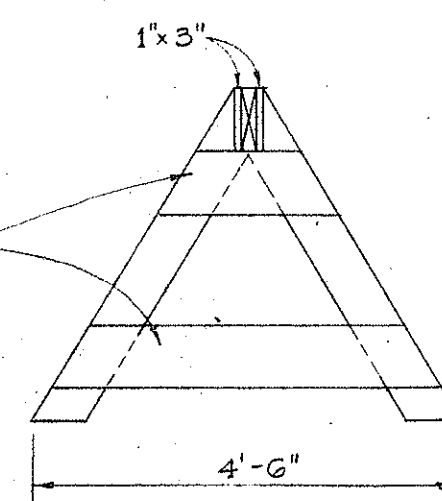


PLAN VIEW



FRONT VIEW

CLASS II BARRICADE
Scale: 1/2" = 1'-0"

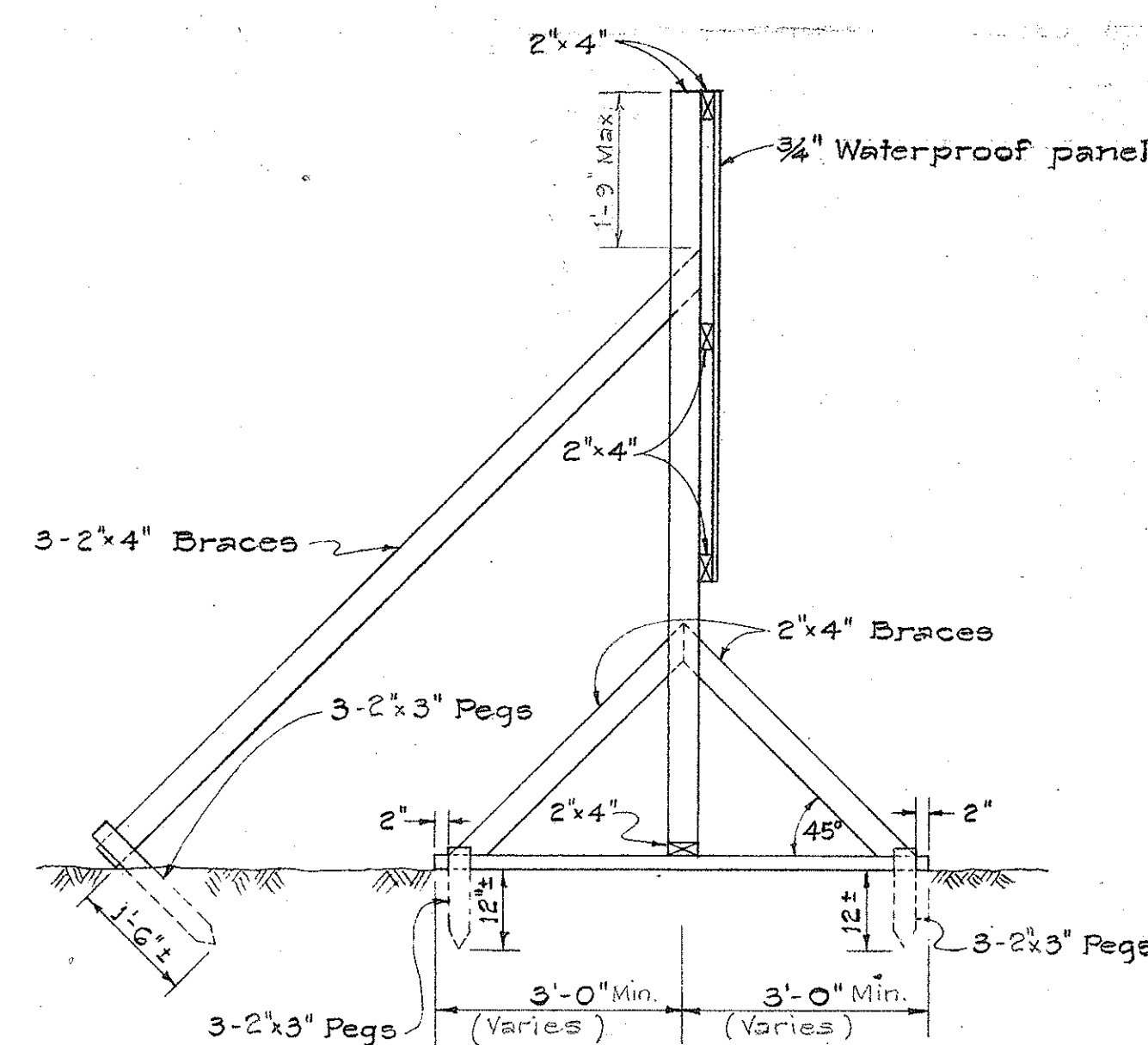


END VIEW

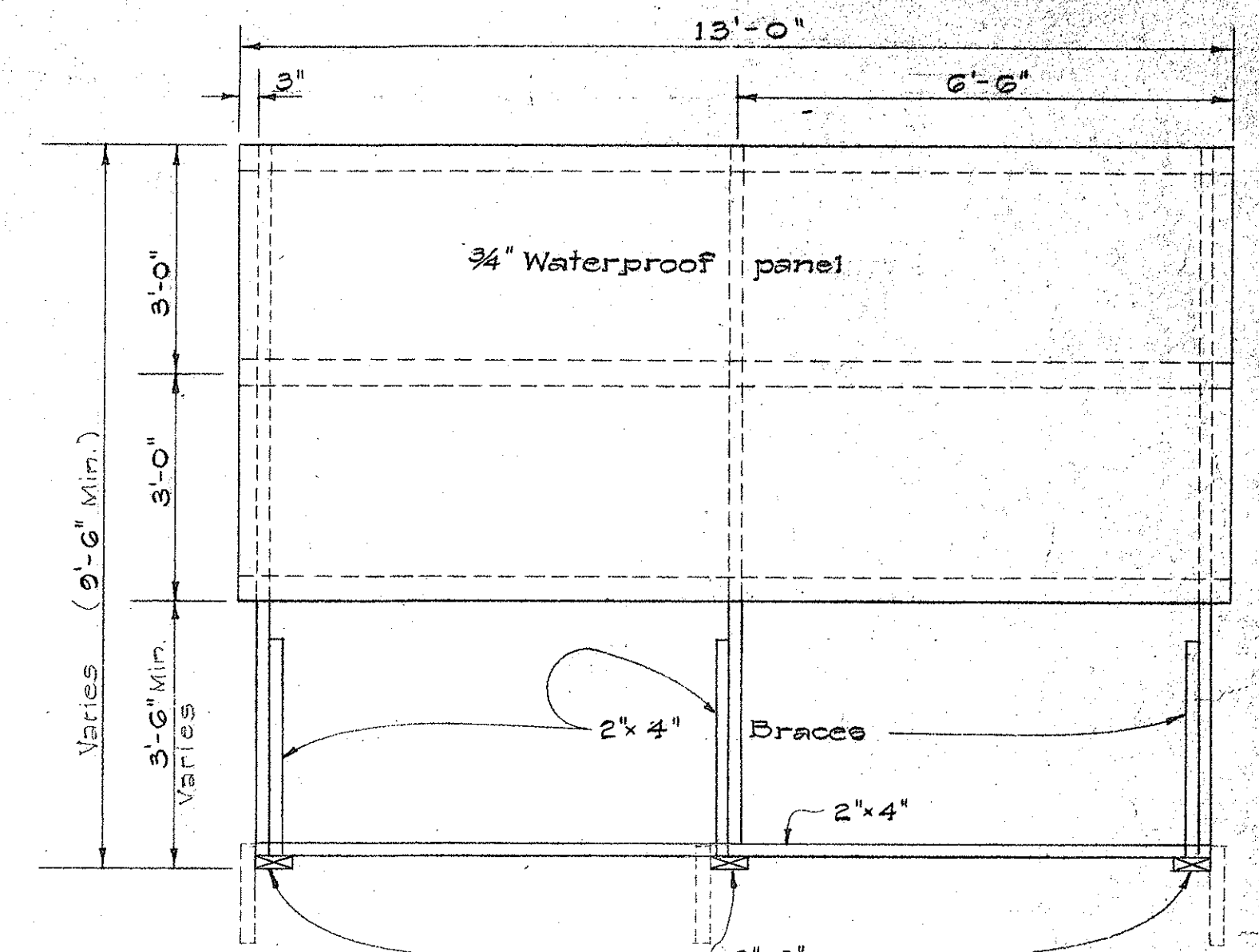
NOTE: Class I and Class II barricades shall be painted completely white except for the black diagonal stripes as shown.

WOOD BARRICADES

1. The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans and as ordered by the Engineer.
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.

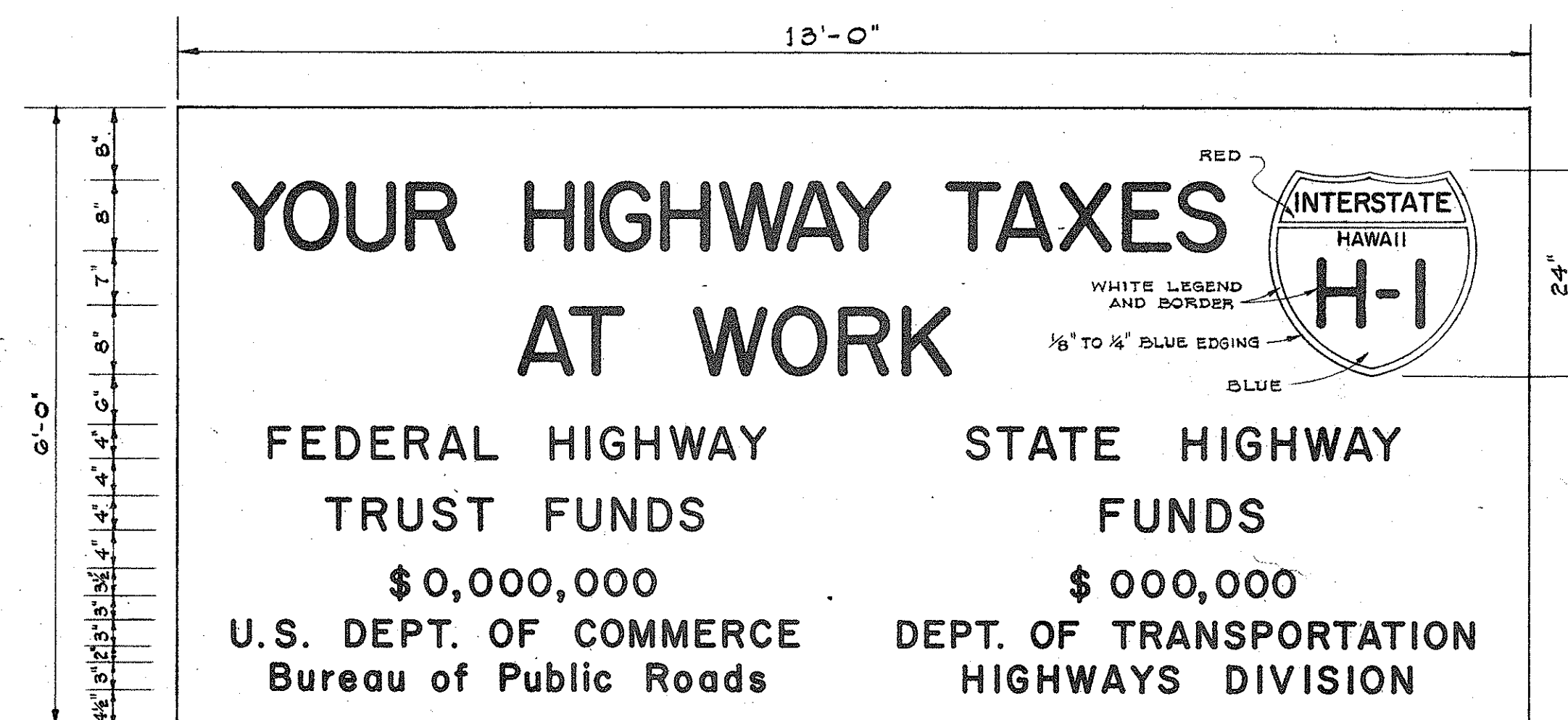


SIDE ELEVATION



FRONT ELEVATION

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



PROJECT SIGN PANEL
Scale: 3/4" = 1'-0"

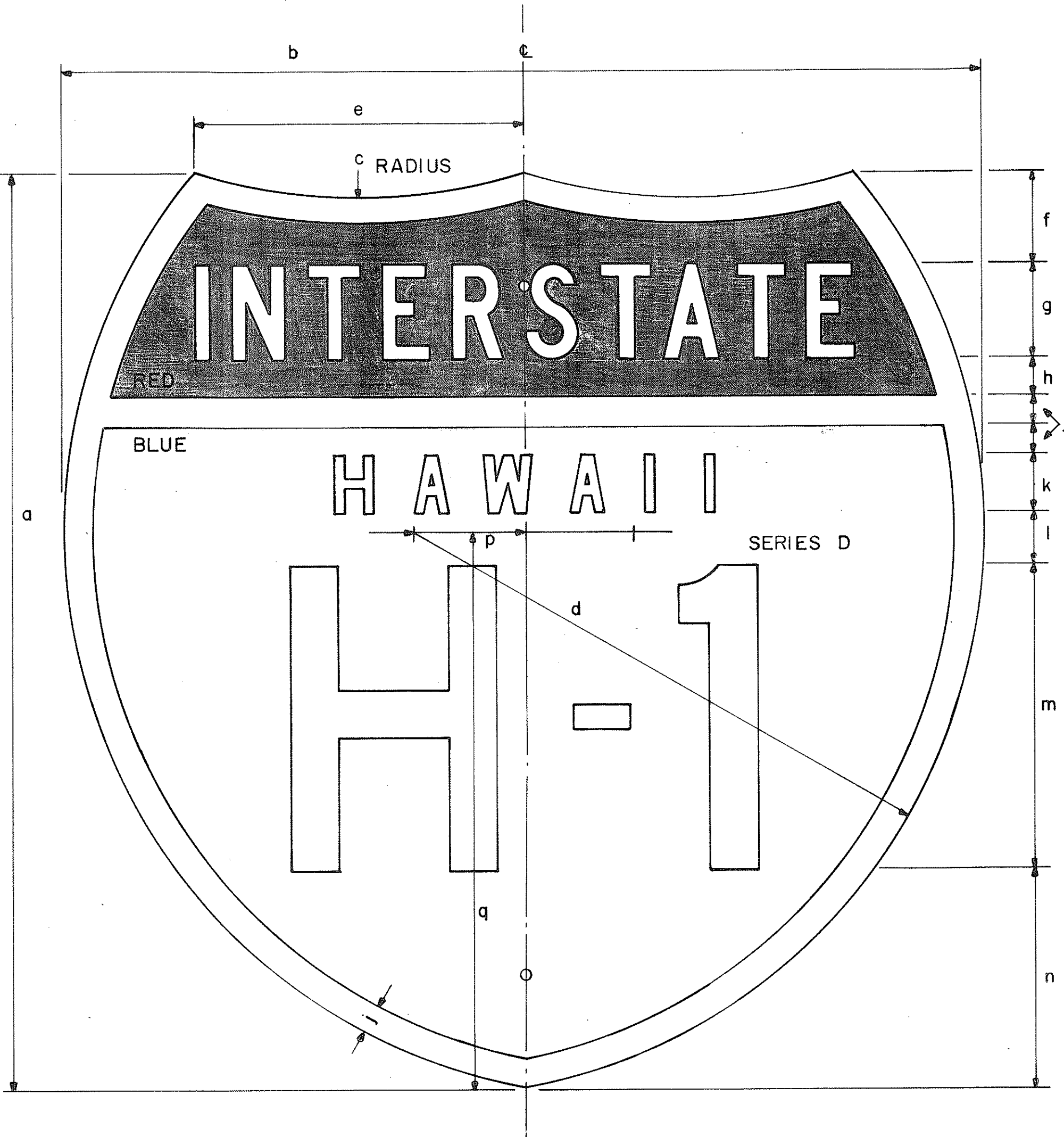
INTERSTATE SYSTEM PROJECT SIGN
Scale: As Shown

PROJECT SIGN NOTES

1. The Contractor shall construct, install and maintain the Project Signs, at the locations shown on the plans and as ordered by the Engineer.
2. All costs incurred in the construction, installation, and maintenance of the 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.
3. The signs shall be removed and stockpiled at the completion of the Project as ordered by the Engineer and are to become State Property.
4. The exact figures for the various funds involved will be furnished the Contractor for incorporation in the sign.
5. The legend shall be black on white background except for the interstate route marker which shall be as shown on the plan.
6. Refer to Plan Sheet No. 55 for details on the exact shape and size of the interstate route marker to be shown on this sign.
7. 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.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PROJECT IDENTIFICATION SIGNS AND BARRICADE DETAILS	
INTERSTATE HIGHWAY (LUNALILO FWY) F.A.I. PROJ. No. I-H-1(24)	
Scale: As Shown	Date: March 1965
SHEET No. 22 OF 24 SHEETS	

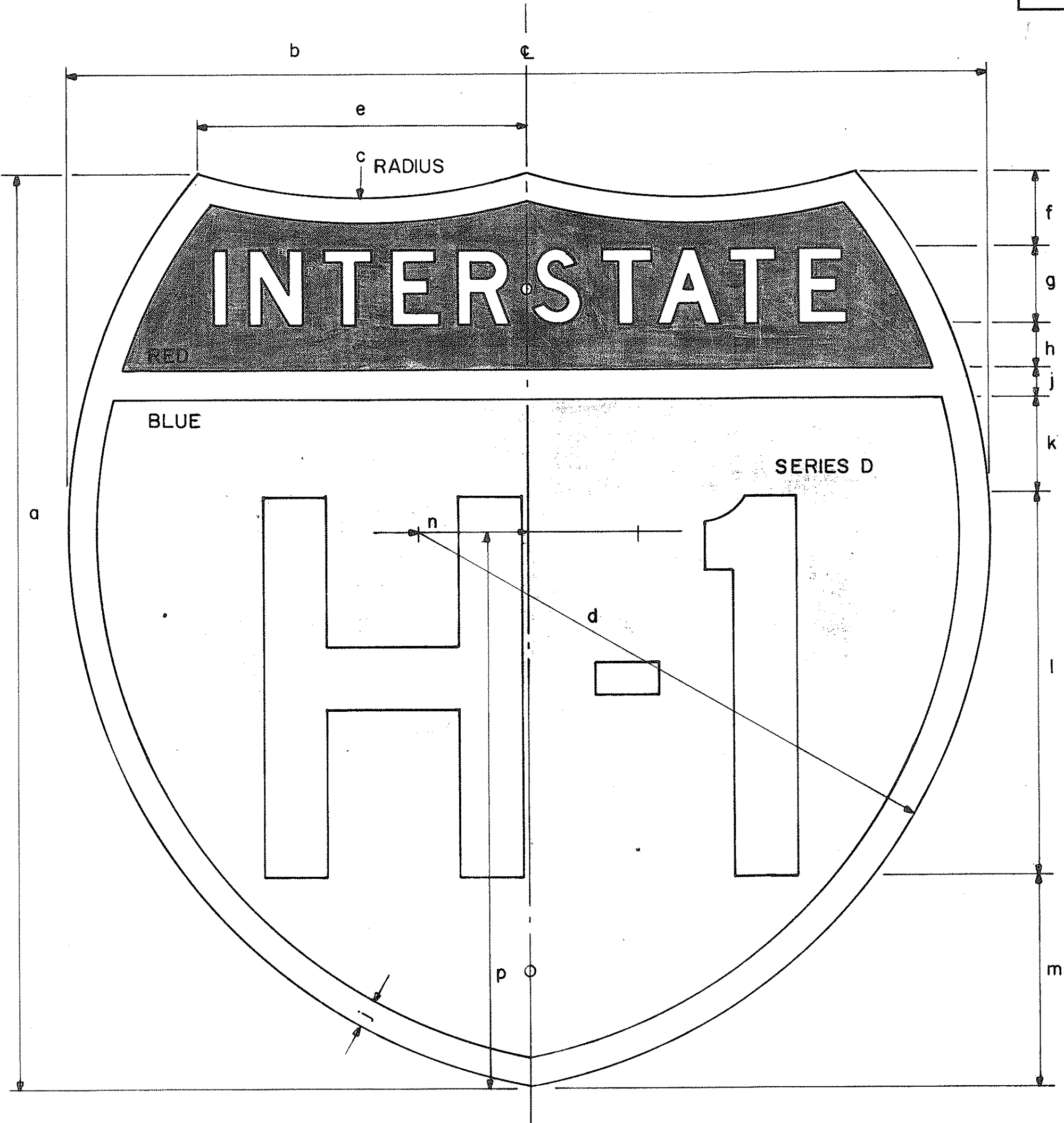
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-11(24)	1965	53	64



INTERSTATE ROUTE MARKER
IM-1 ()

INTERSTATE SHIELDS - INDEPENDENT USE

()	a	b	c	d	e	f	g	h	j	k	l	m	n	p	q
1	18	21	13 1/8	12 9/16	9 3/16	1 25/32	1 7/8 C	3/4	9/16	1 1/8 D	1 1/32	6	4 5/16	2 1/16	12 7/16
2	24	24	15	14 7/8	8 5/8	2 3/8	2 1/2 C	1	3/4	1 1/2 D	1 3/8	8	5 3/4	2 7/8	14 5/8
3	36	36	22 1/2	22 5/16	12 15/16	3 9/16	3 3/4 C	1 1/2	1 1/8	2 1/4 D	2 1/16	12	8 5/8	4 5/16	21 15/16



INTERSTATE ROUTE MARKER
IM-2 ()

INTERSTATE SHIELDS ON GUIDE SIGNS

()	a	b	c	d	e	f	g	h	j	k	l	m	n	p
2	24	24	15	14 7/8	8 5/8	2	2 D	1 3/16	3/4	2 9/16	10	5 1/2	2 7/8	14 5/8
3	36	36	22 1/2	22 5/16	12 15/16	3 7/16	3 C	1 5/16	1 1/8	3 1/8	15	9	4 5/16	21 15/16
4	48	48	30	29 3/4	17 1/4	4 3/4	5 C	2	1 1/2	4	18	12 3/4	5 3/4	29 1/4

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.
- The Interstate Route Marker shall be a cut-out shield, in a red, white and blue design as shown on the plans.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
INTERSTATE ROUTE MARKERS

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

Scale: $\frac{3}{16}'' = 1' - 0''$

SIDEWALK CARRIED THROUGH STRUCTURE

SHOULDER CARRIED THROUGH STRUCTURE

Scale: $\frac{3}{16}'' = 1' - 0''$

Scale: $\frac{1}{2}'' = 1' - 0''$

Scale: $1\frac{1}{2}" = 1' - 0"$

Y = GUARD RAIL FLARE OFFSET

TYPICAL GUARD RAIL FLARES AT STRUCTURE APPROACHES

SHEET No. 24 OF 24 SHEETS