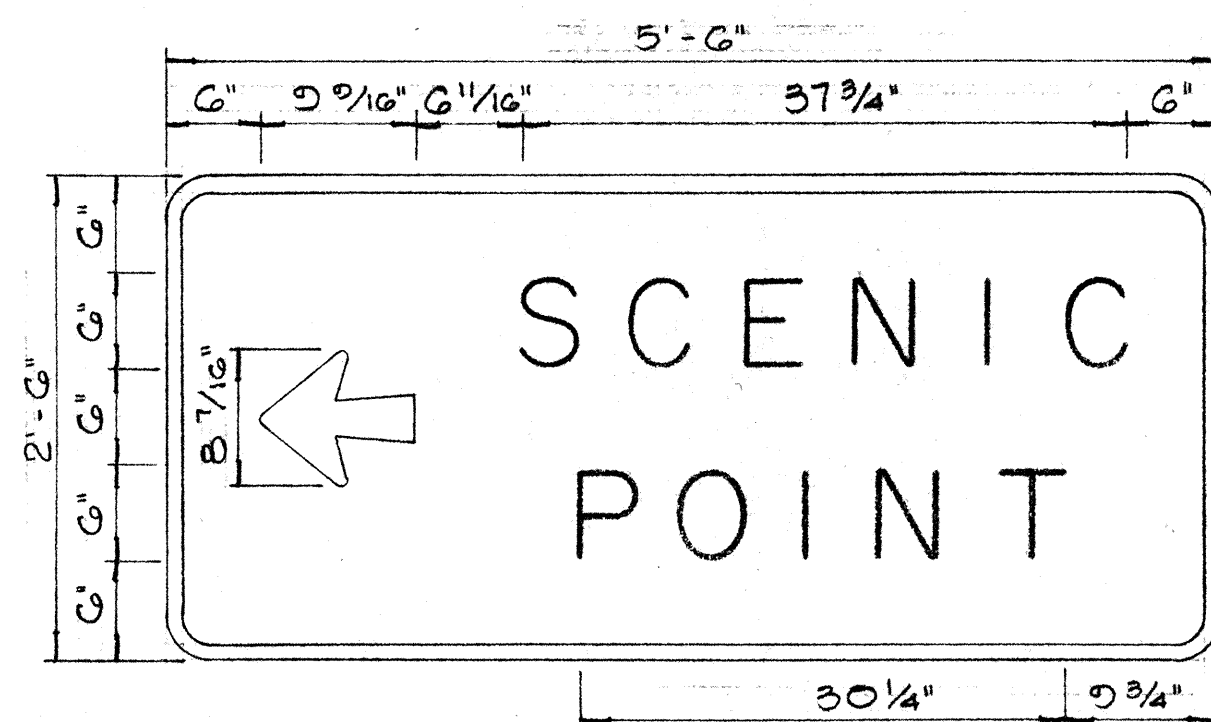
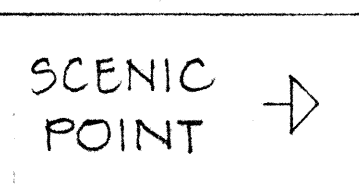


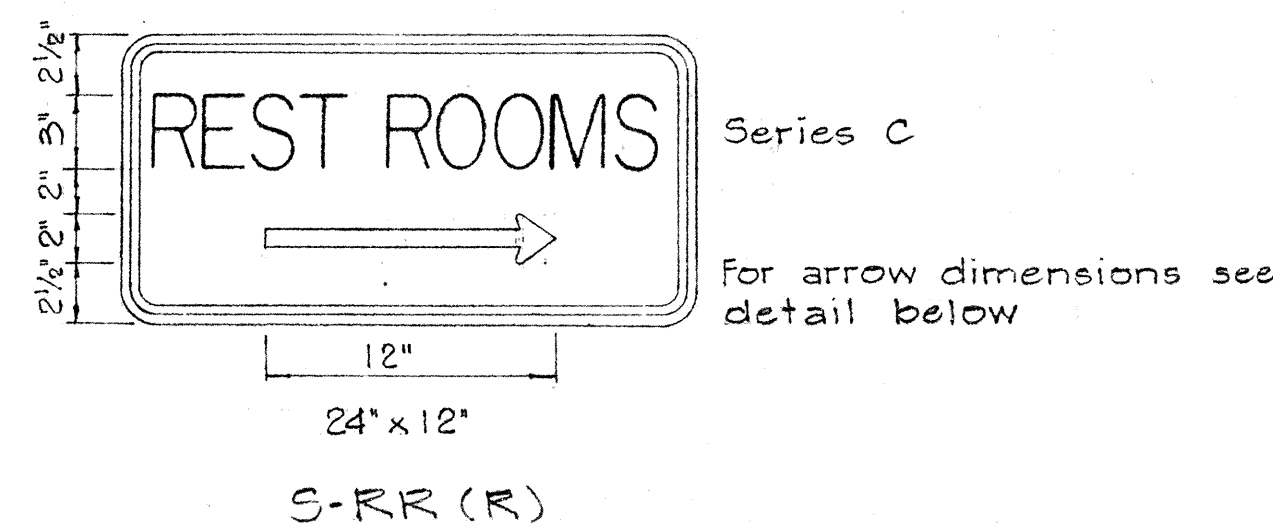
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--|-------------|-----------|--------------|
| HAWAII | HAW. | LSF 030-1(1) LSF 030-1(2) LSF 046-1(1) | 1967 | 7 | 10 |



D-SP(L)



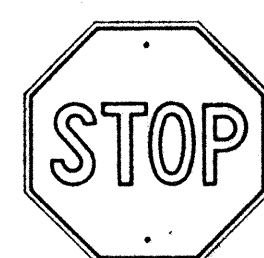
D-SP(R)



S-RR(R)

GENERAL NOTES

- 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.
- Arrows shall conform with details as shown on plan.
- Sign legends and borders shall be reflectorized white on reflectorized green background unless otherwise noted.
- Sign panels shall be made from 0.100" thick sheet aluminum.
- Sign S-RR() shall be reflectorized white on reflectorized blue background.
- (R) or (L) indicates right or left and shall be as shown on the plans.



R1-1
30" x 30"



R5-1
24" x 24"



RG-1(R)
30" x 12"

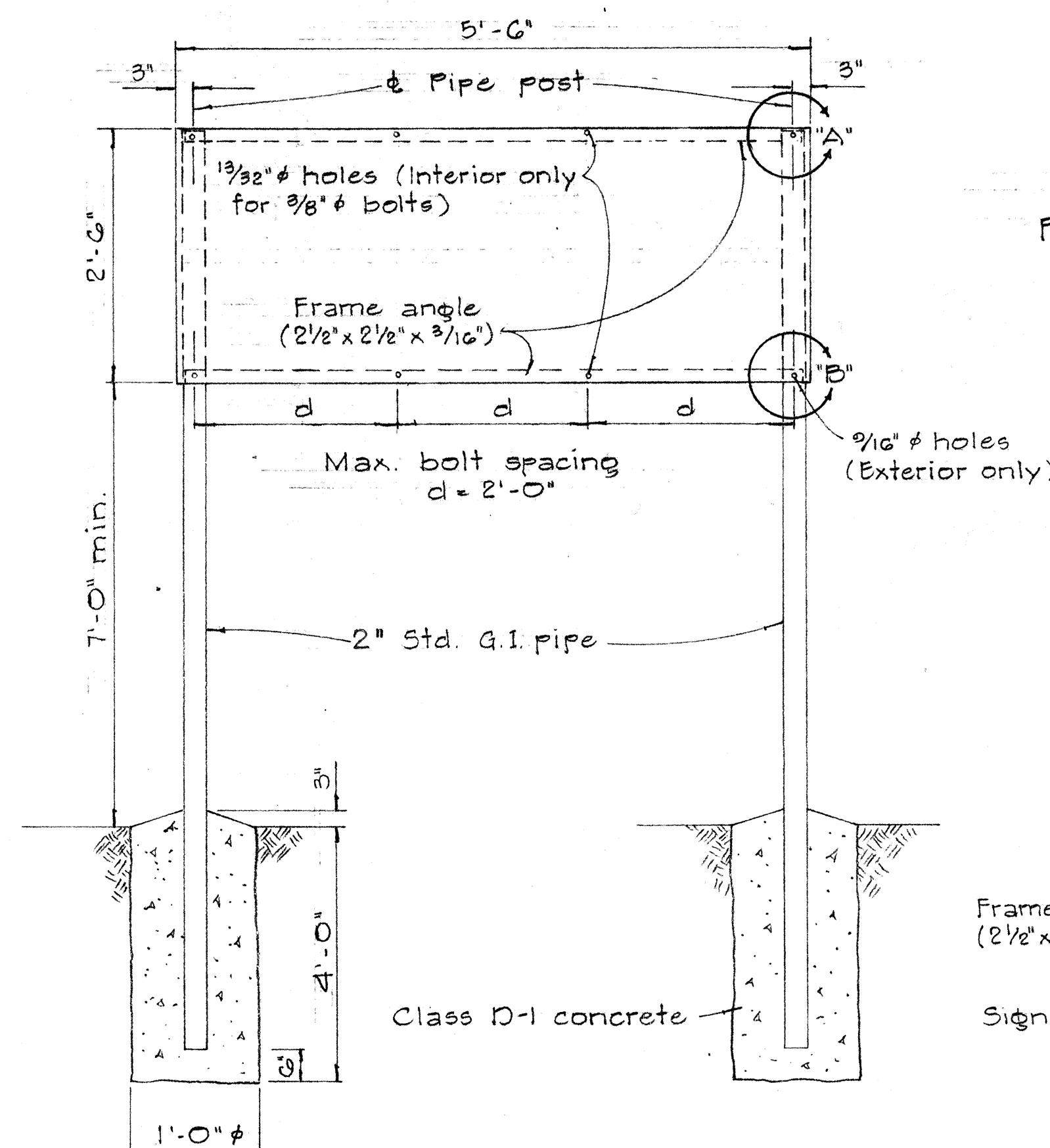


RG-2(R)
18" x 24"

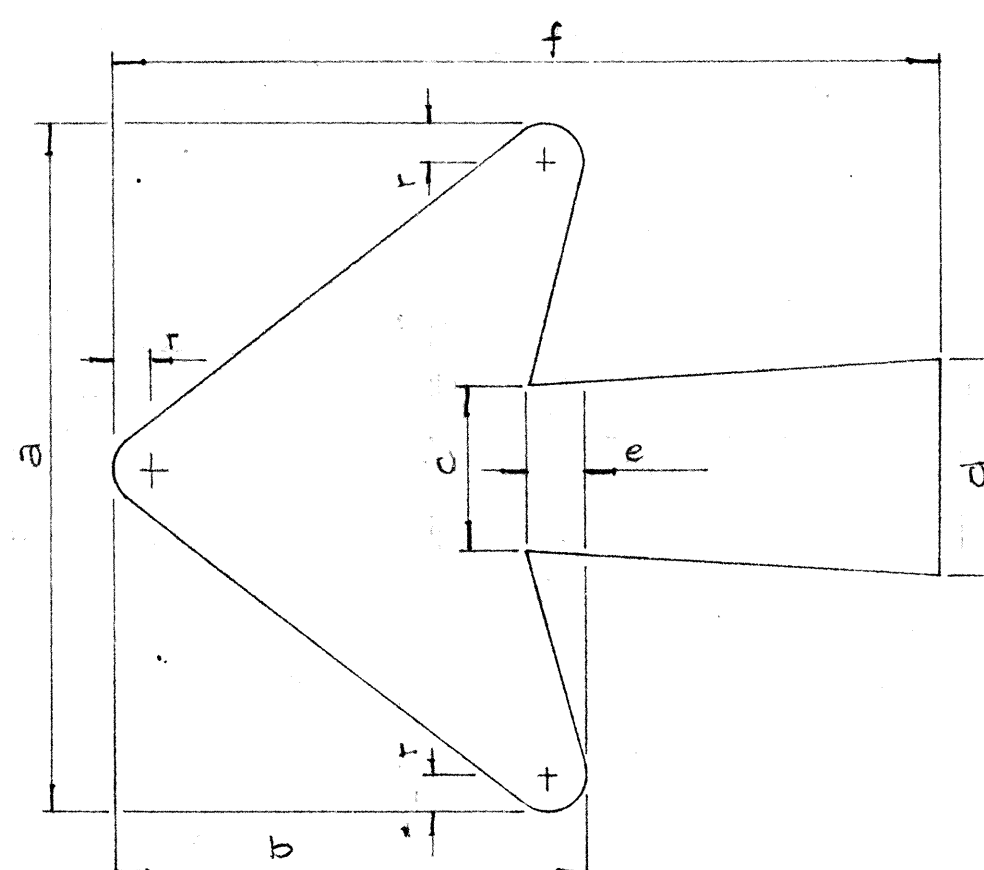
NOTES:

- 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 regulatory signs shall be reflectorized unless otherwise specified.
- All regulatory signs shall have 3/8" bolt holes drilled at appropriate locations unless otherwise noted.
- (R) or (L) indicates right or left and shall be as shown on the plans.

REGULATORY SIGNS

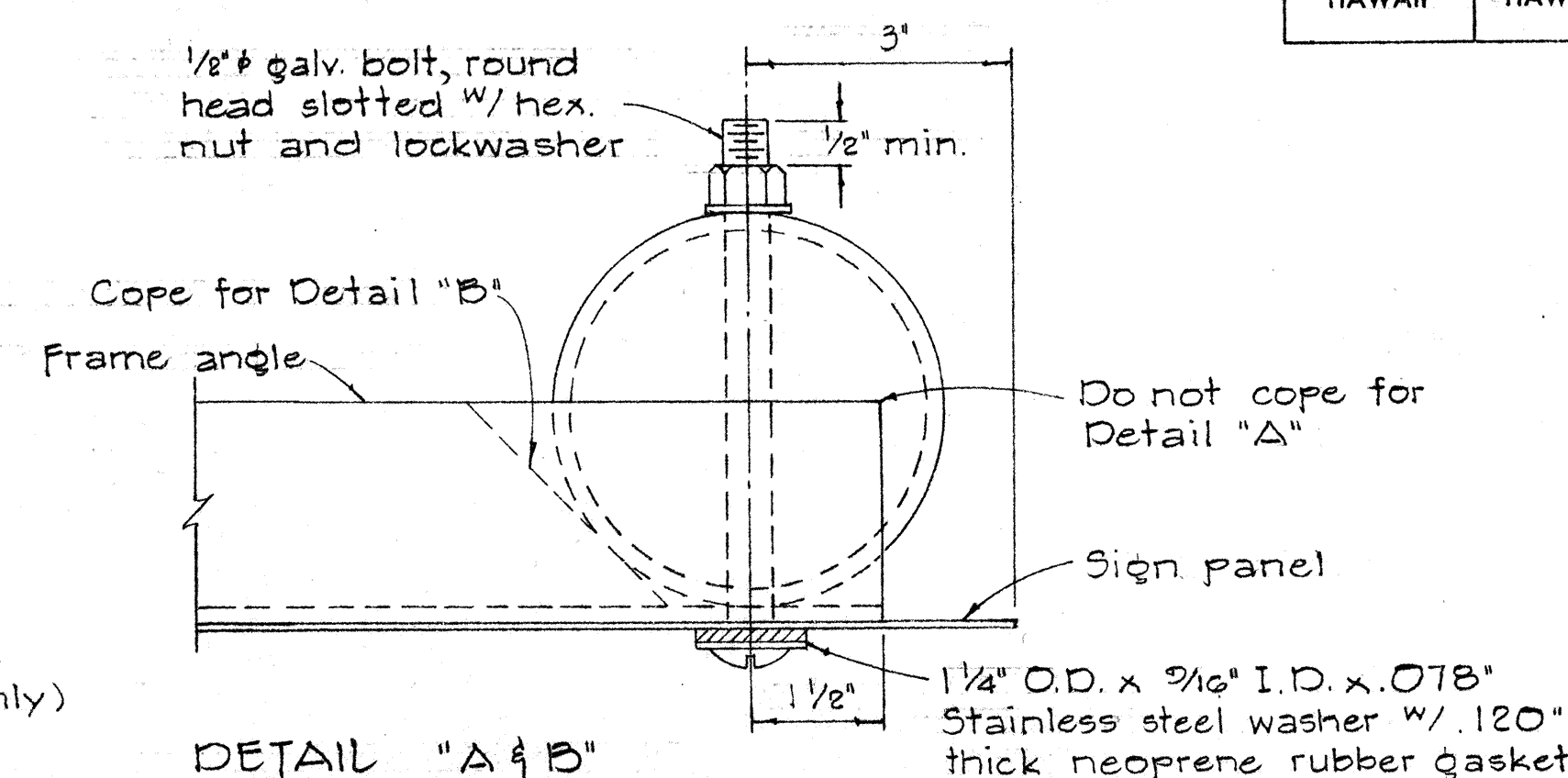


D-SP
ELEVATION

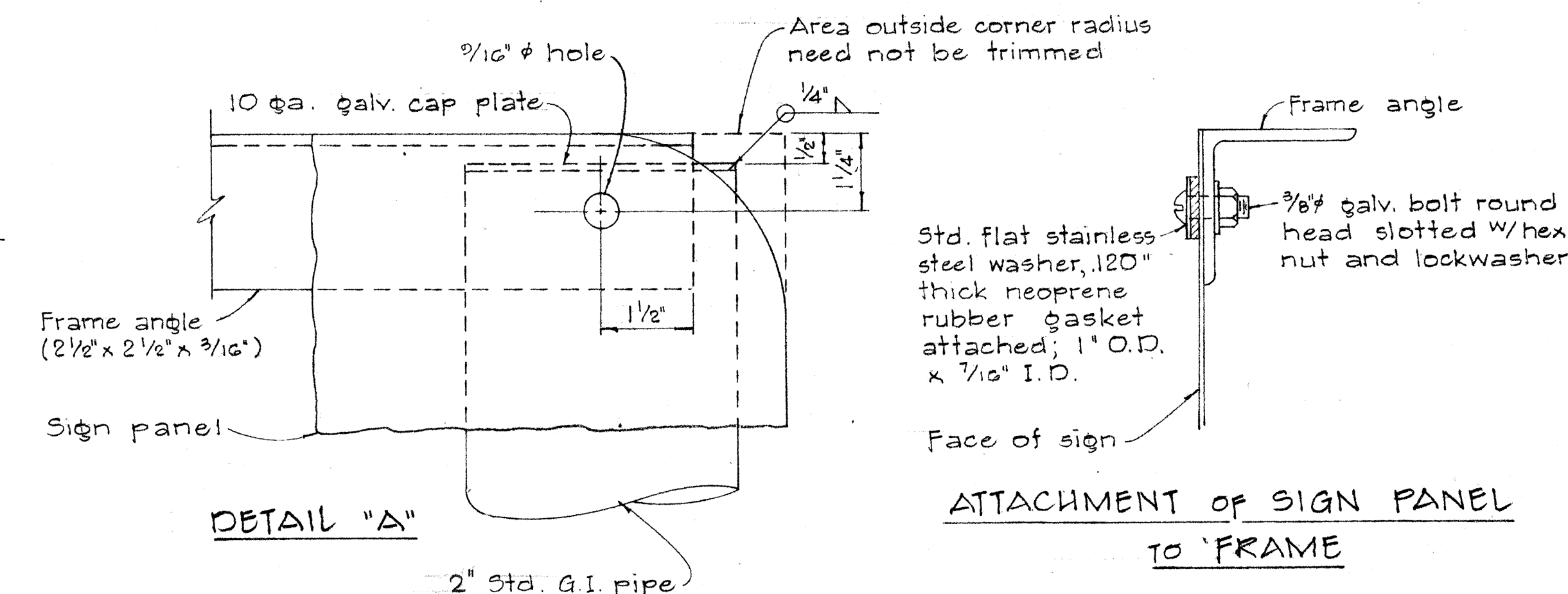


| Arrow Size | Arrow Dimensions in inches | | | | | | |
|-------------------|----------------------------|--------|--------|---------|-----|--------|-----|
| | a | b | c | d | e | f | r |
| 8 7/16" x 2 9/16" | 8 7/16 | 5 1/16 | 2 5/16 | 2 15/16 | 5/8 | 0 9/16 | 1/8 |
| 2" x 12" | 2 | 1 5/8 | 3/4 | 3/4 | 1/8 | 12" | 1/8 |

TYPICAL ARROW DETAILS

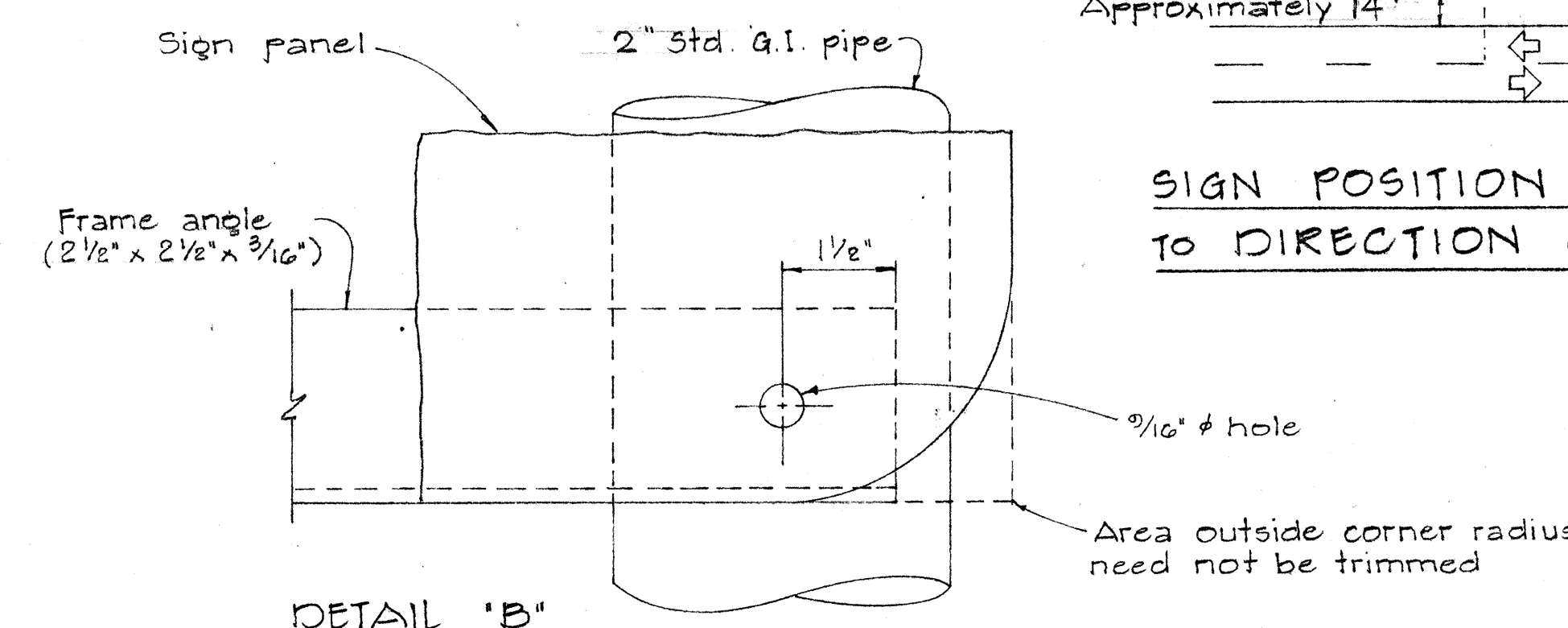


DETAIL "A & B"

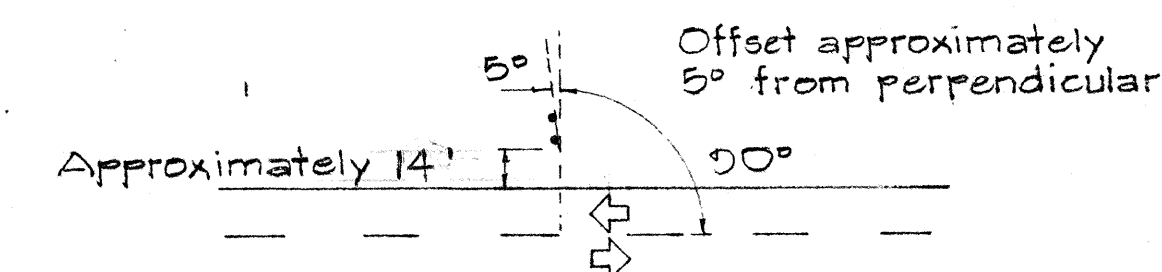


DETAIL "A"

ATTACHMENT OF SIGN PANEL
TO FRAME



DETAIL "B"



SIGN POSITION W/ RELATION
TO DIRECTION OF TRAFFIC

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

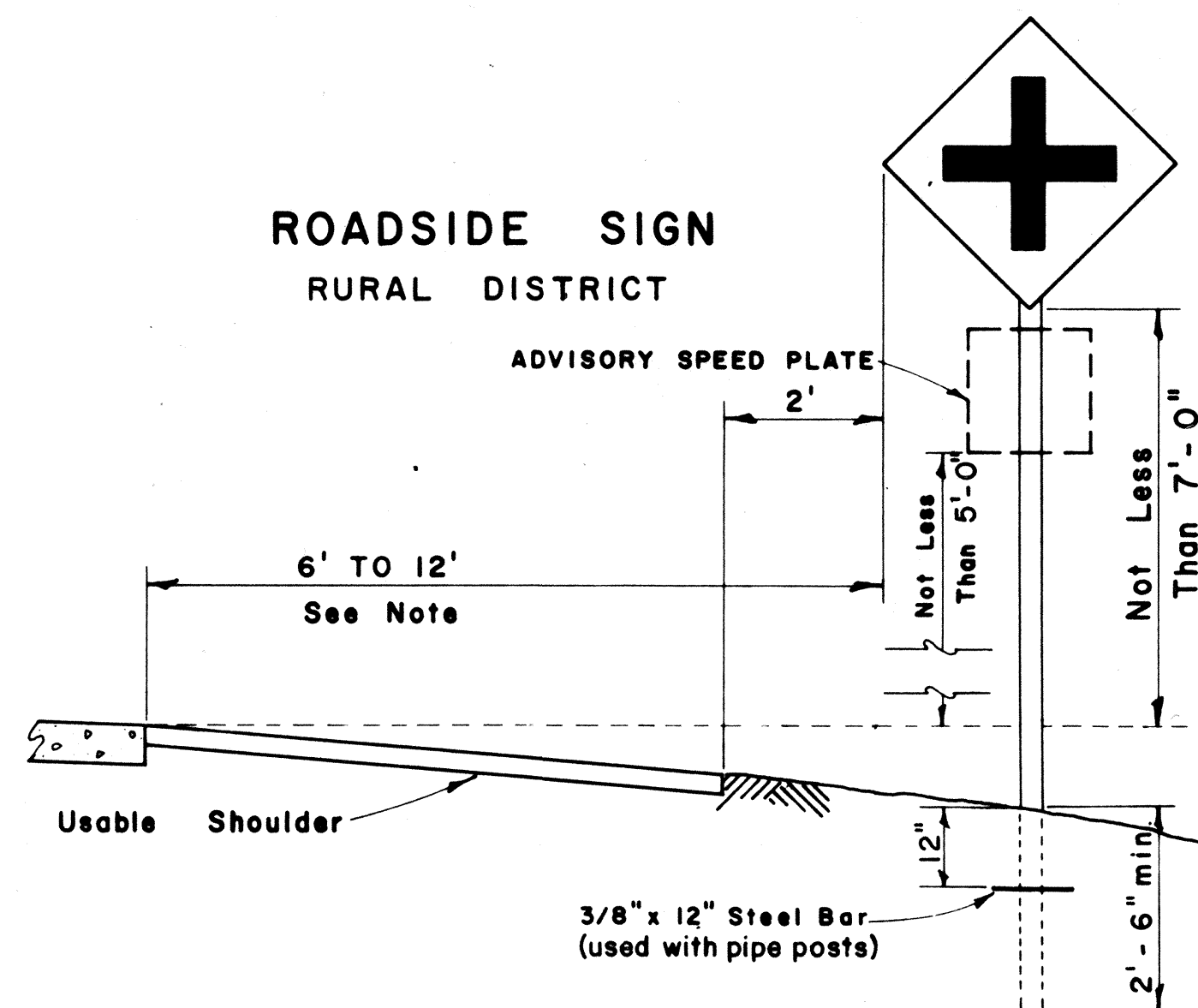
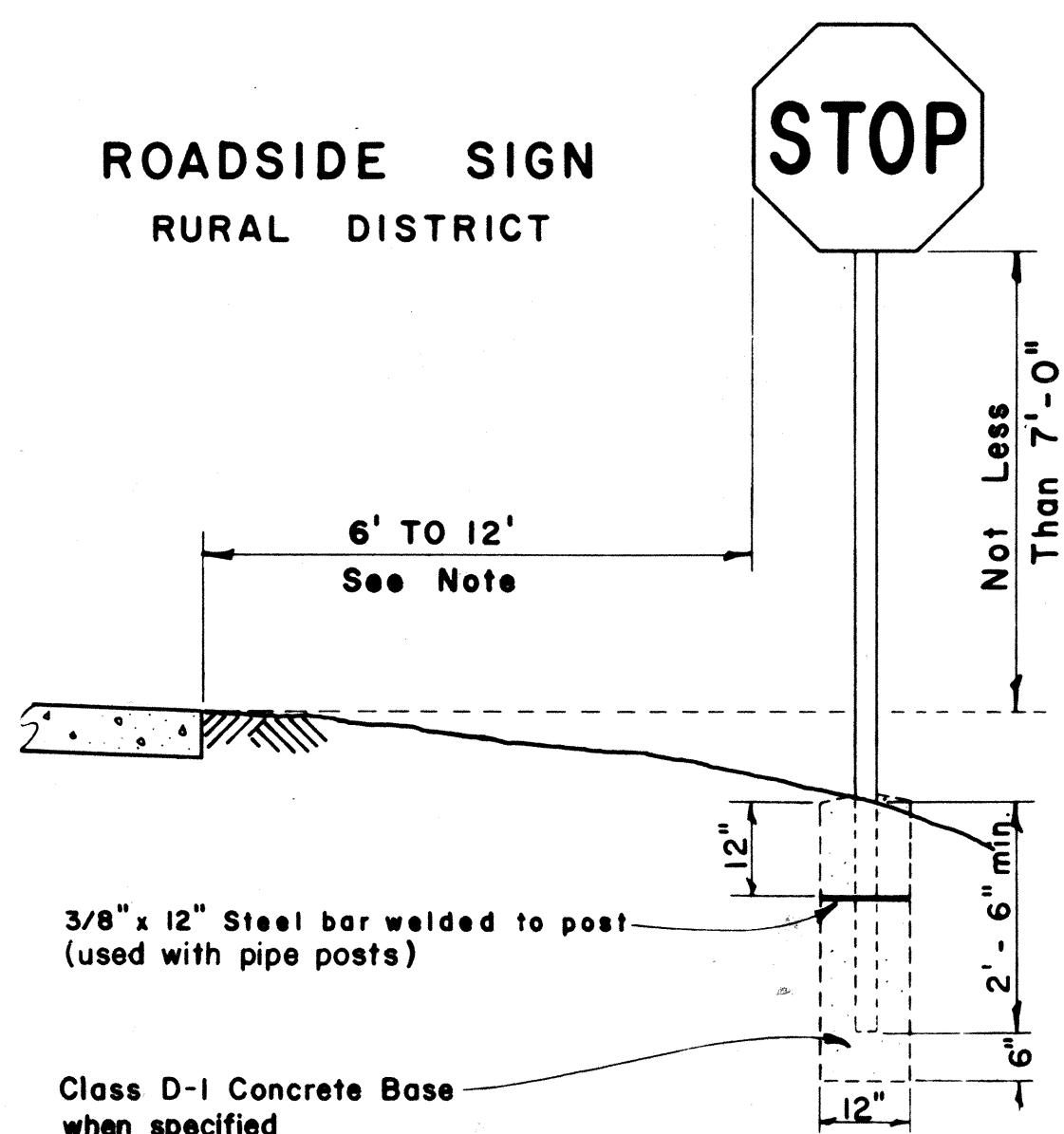
STANDARD DETAILS DIRECTIONAL AND REGULATORY SIGNS

No Scale Date: Oct. 1967

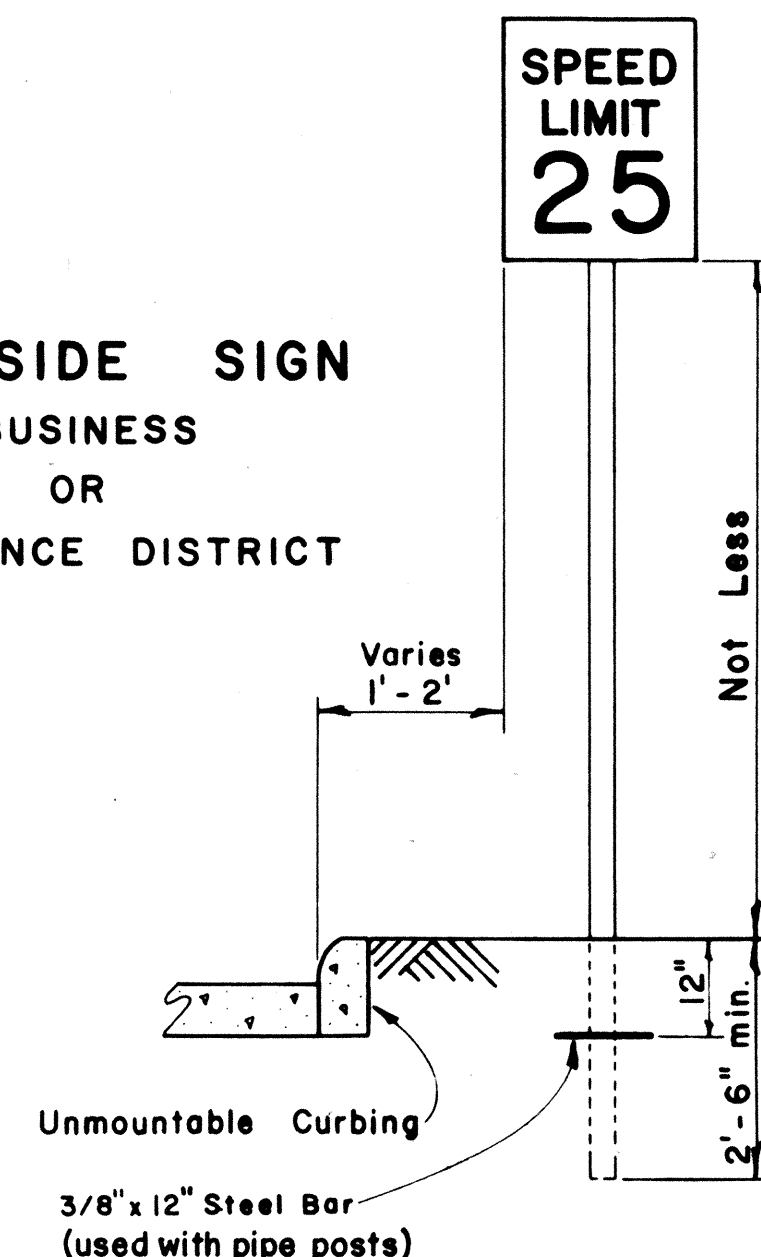
SHEET No. 1 OF 2 SHEETS

| | |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| QUANTITIES BY | |
| CHECKED BY | |
| NO. | |

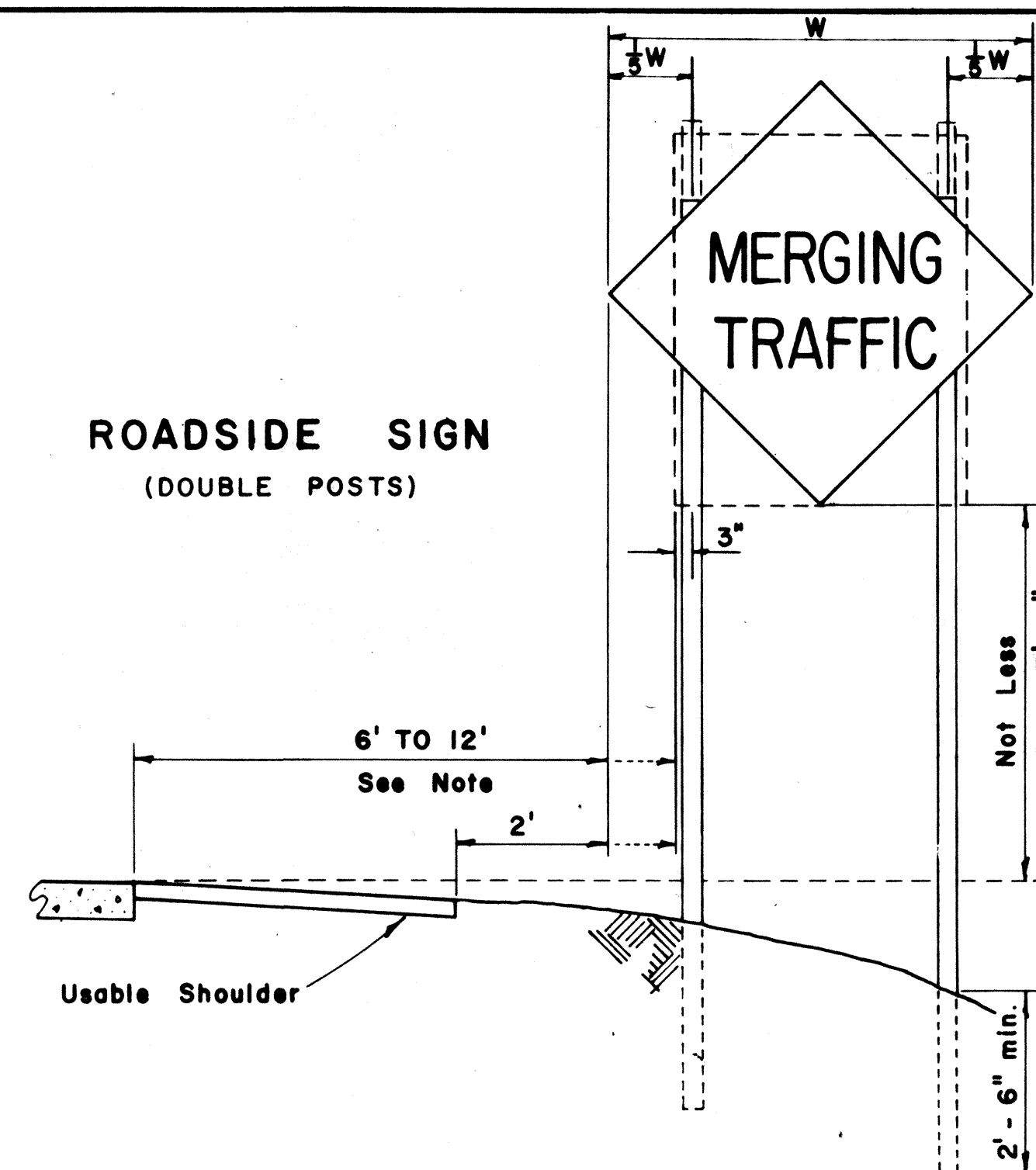
NOTE:
 1. All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
 2. Except as noted below, sign posts shall be 2" galv. std. pipe or 2" x 2" galv. square tube posts.
 3. Sign shall be attached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



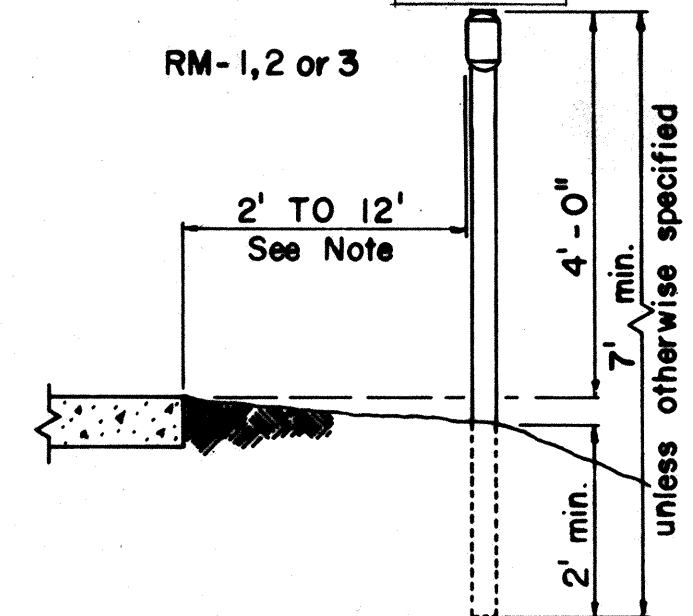
**ROADSIDE SIGN
BUSINESS
OR
RESIDENCE DISTRICT**



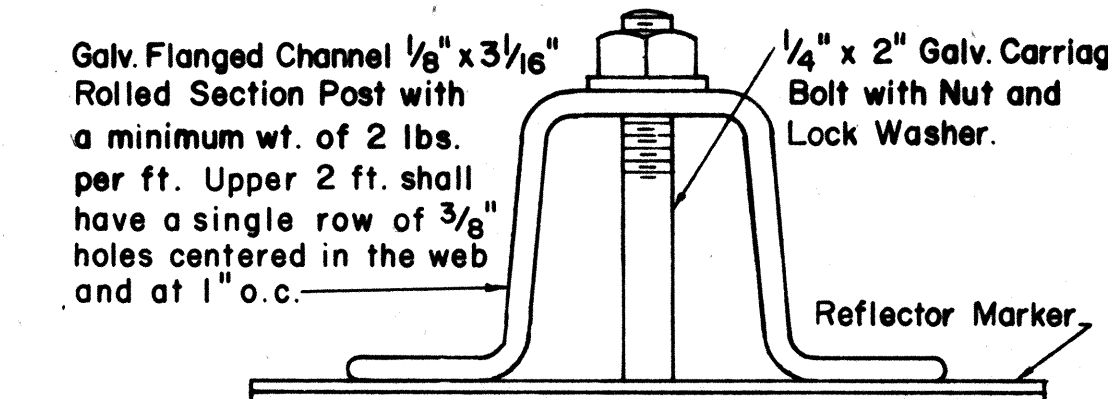
**ROADSIDE SIGN
(DOUBLE POSTS)**



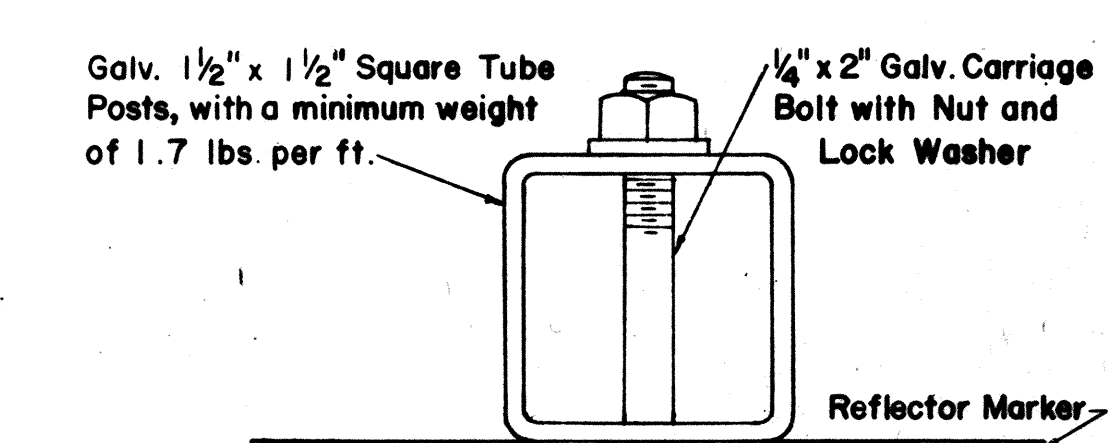
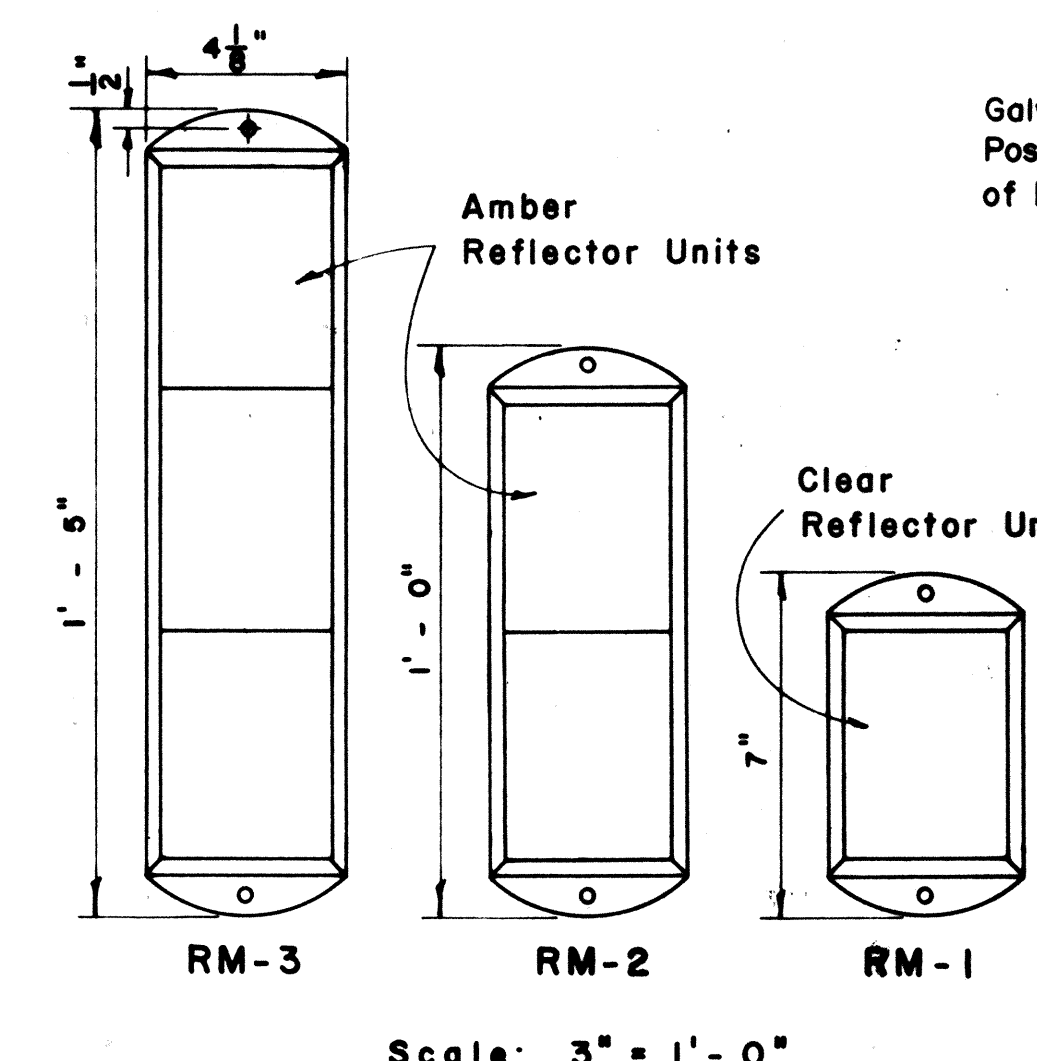
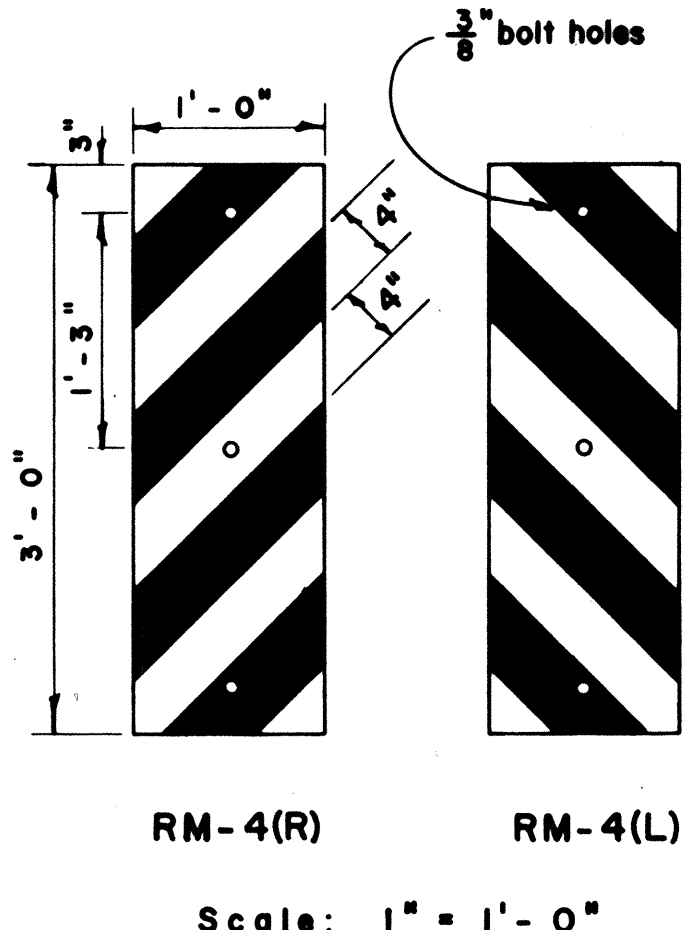
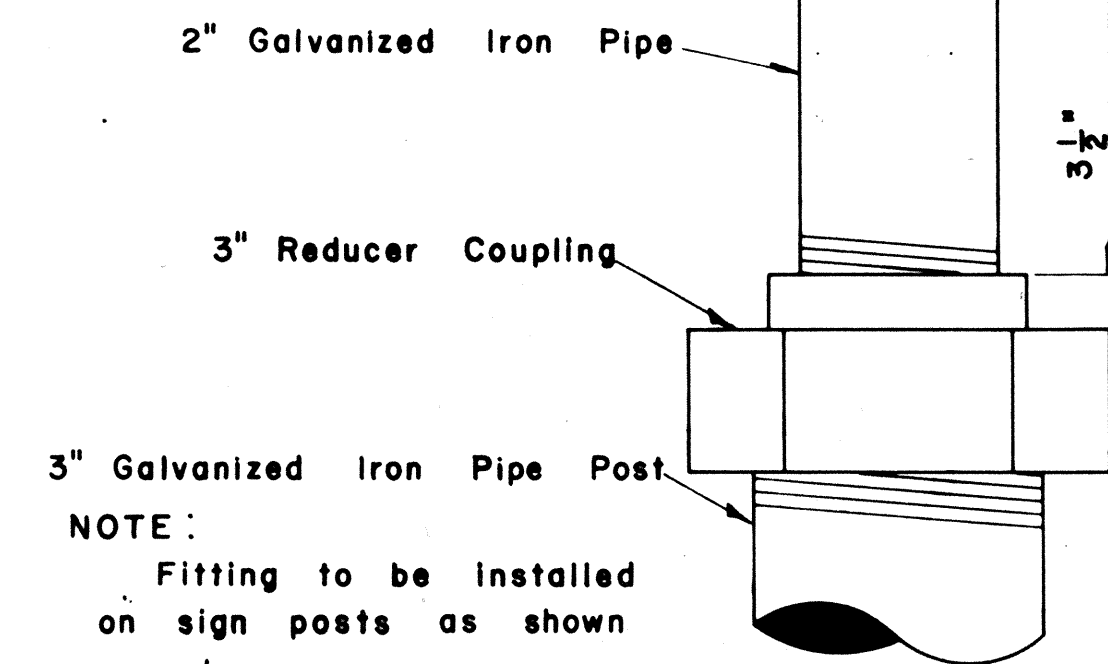
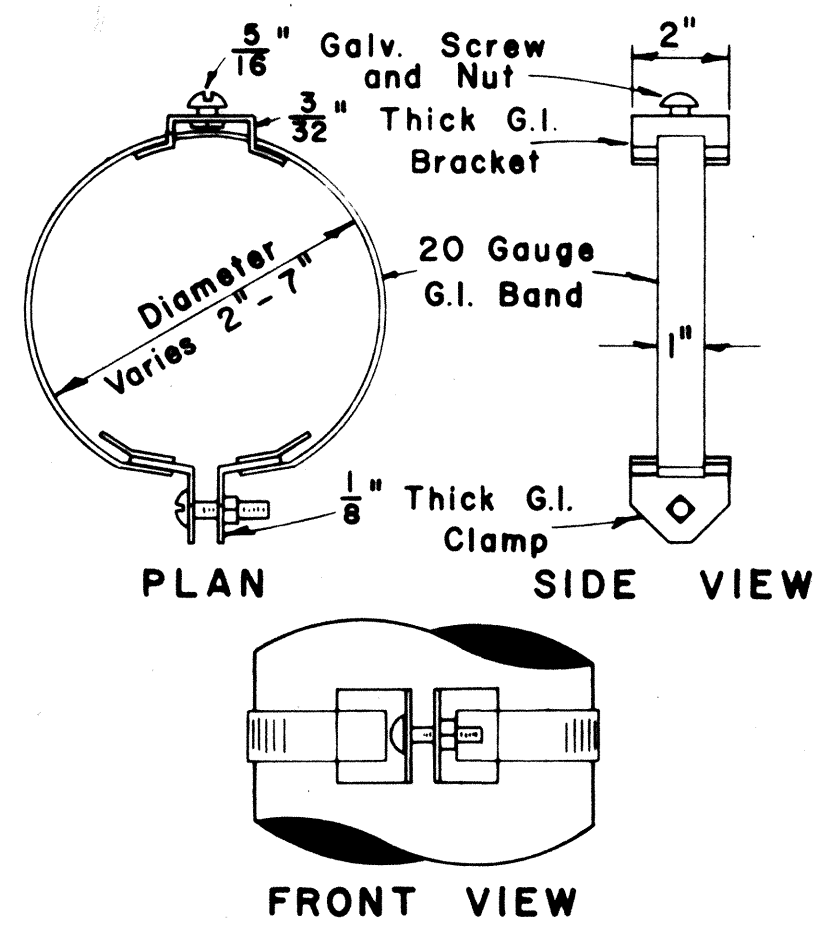
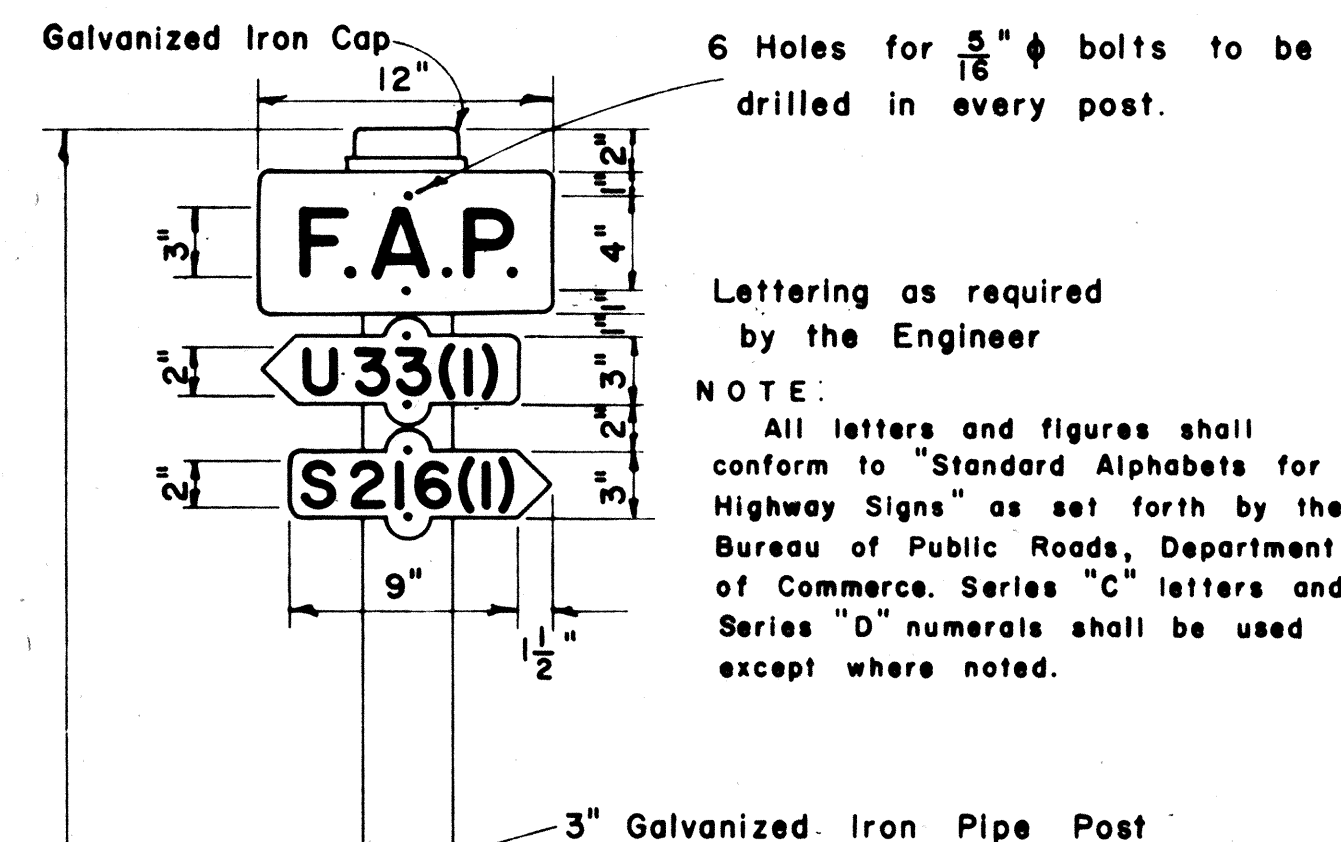
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--|-------------|-----------|--------------|
| HAWAII | HAW. | LSF 030-10 LSF 030-10 LSF 046-10 | 1967 | 8 | 10 |



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

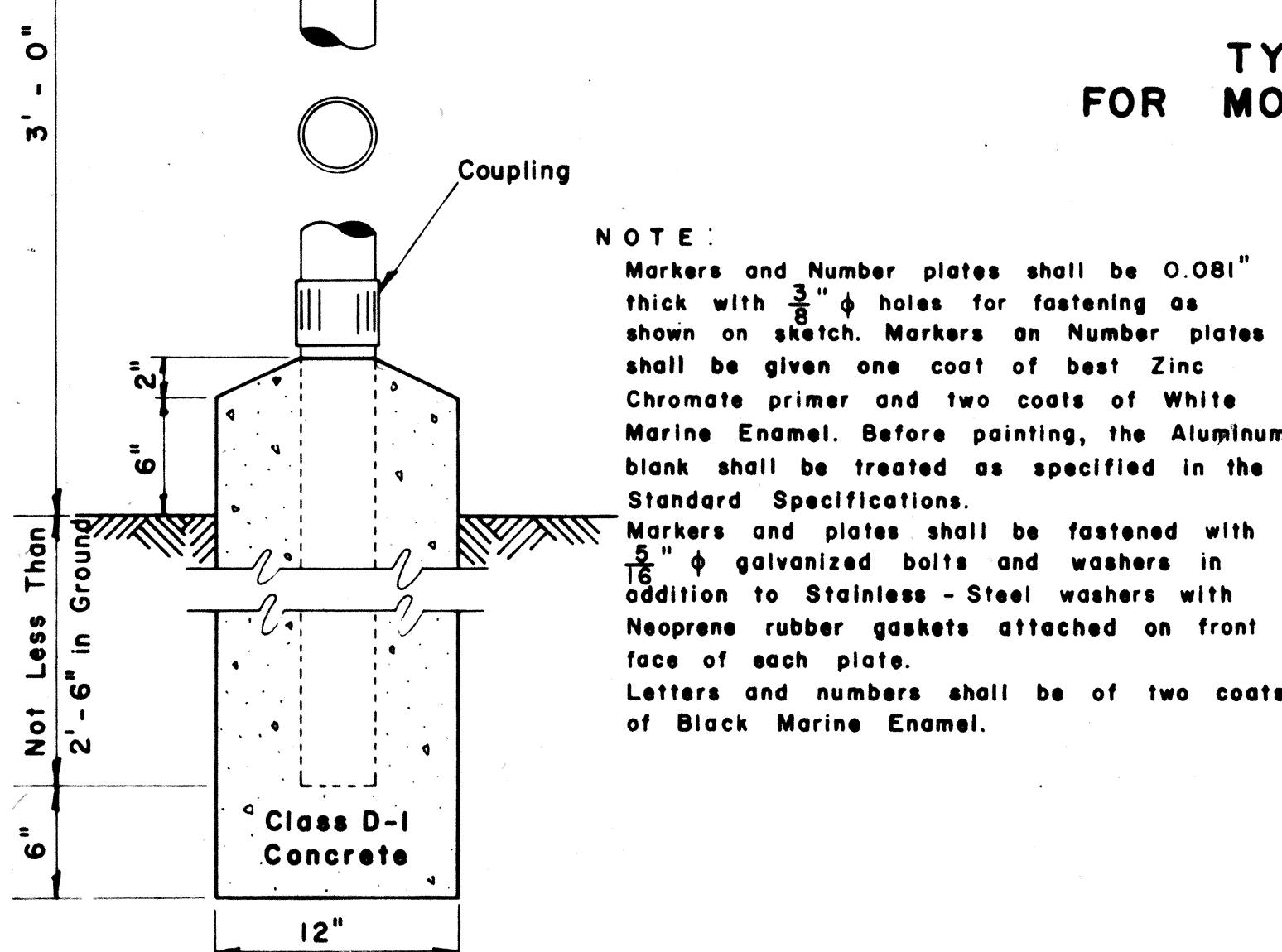


HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

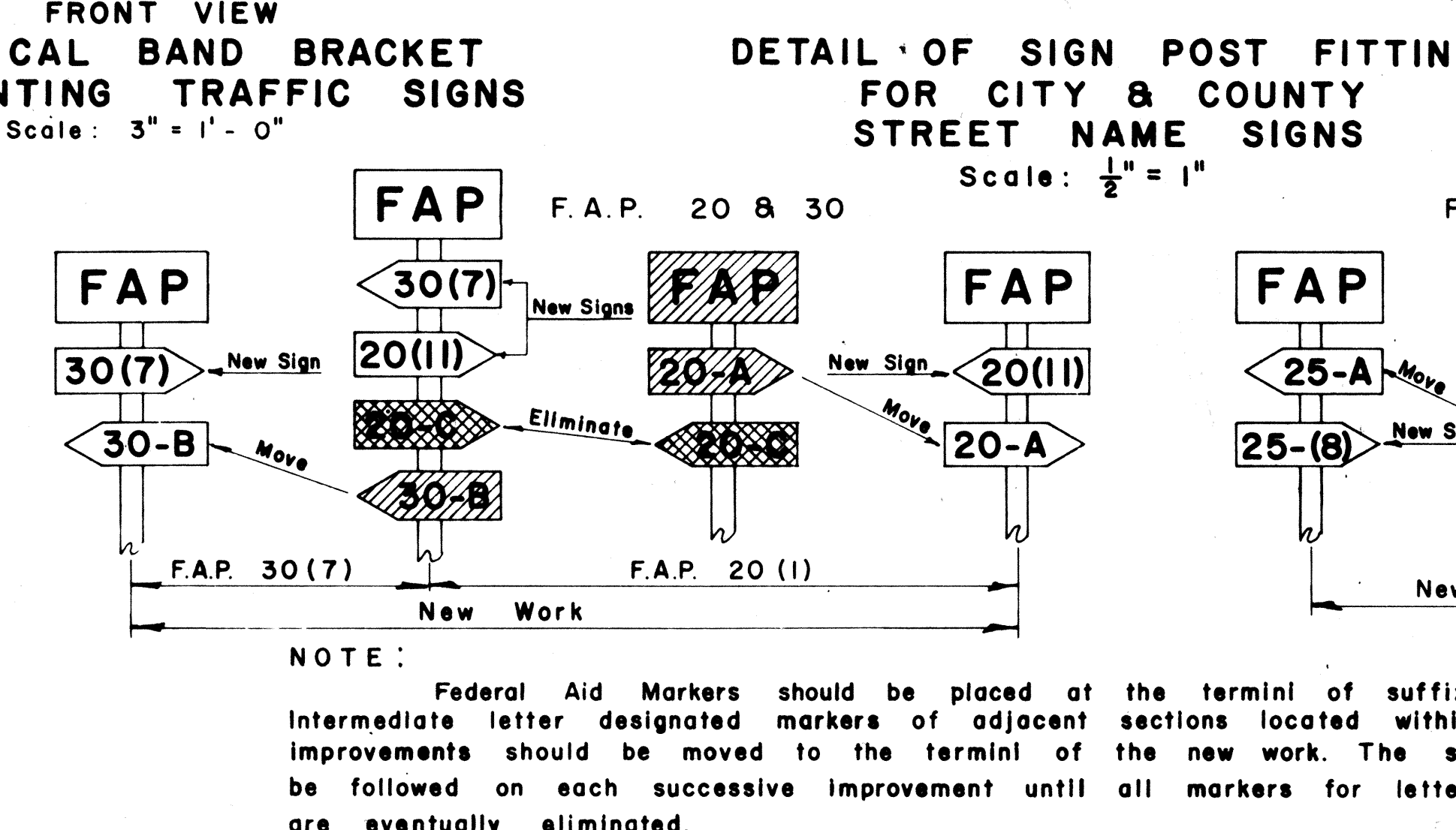


TYPICAL SECTION OF ROAD DELINEATOR
 Full Size

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.

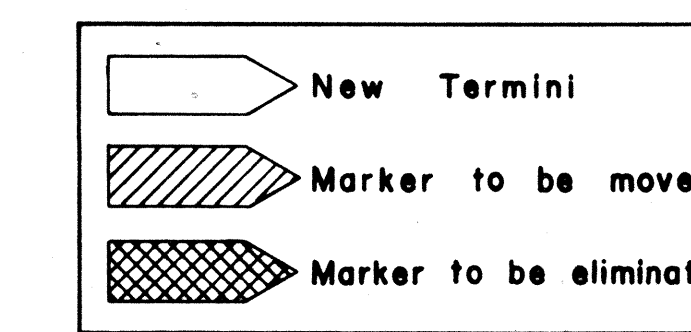


FEDERAL AID MARKER
 Scale: 1/2" = 1'-0"



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

REFLECTOR MARKERS
 Scale: As Shown



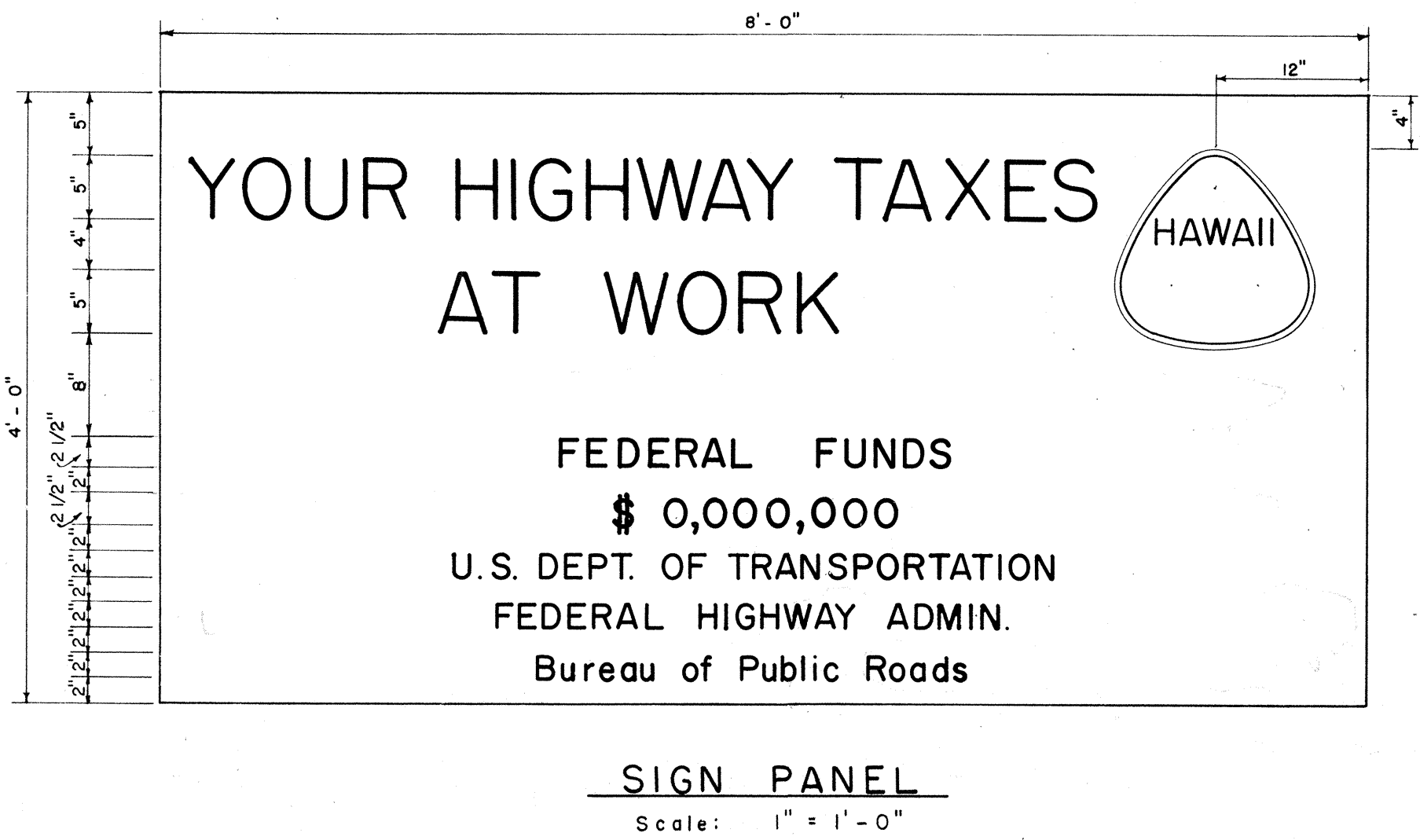
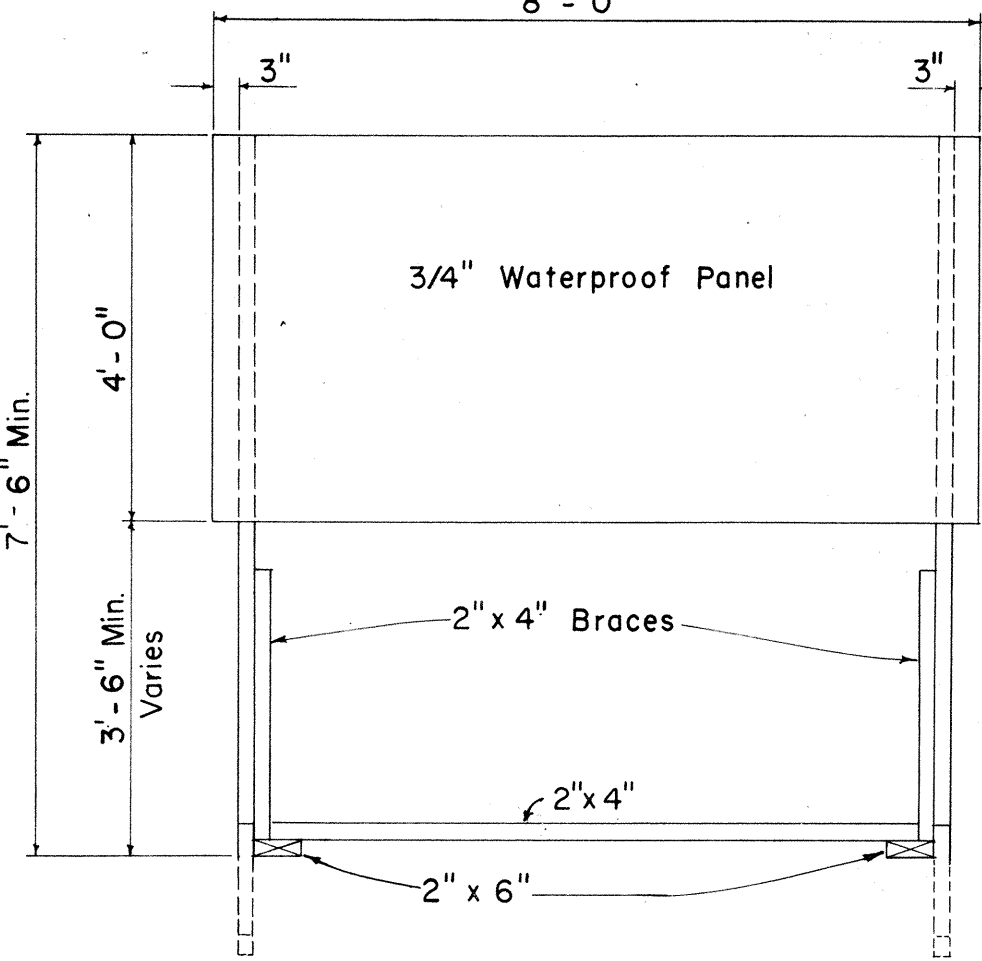
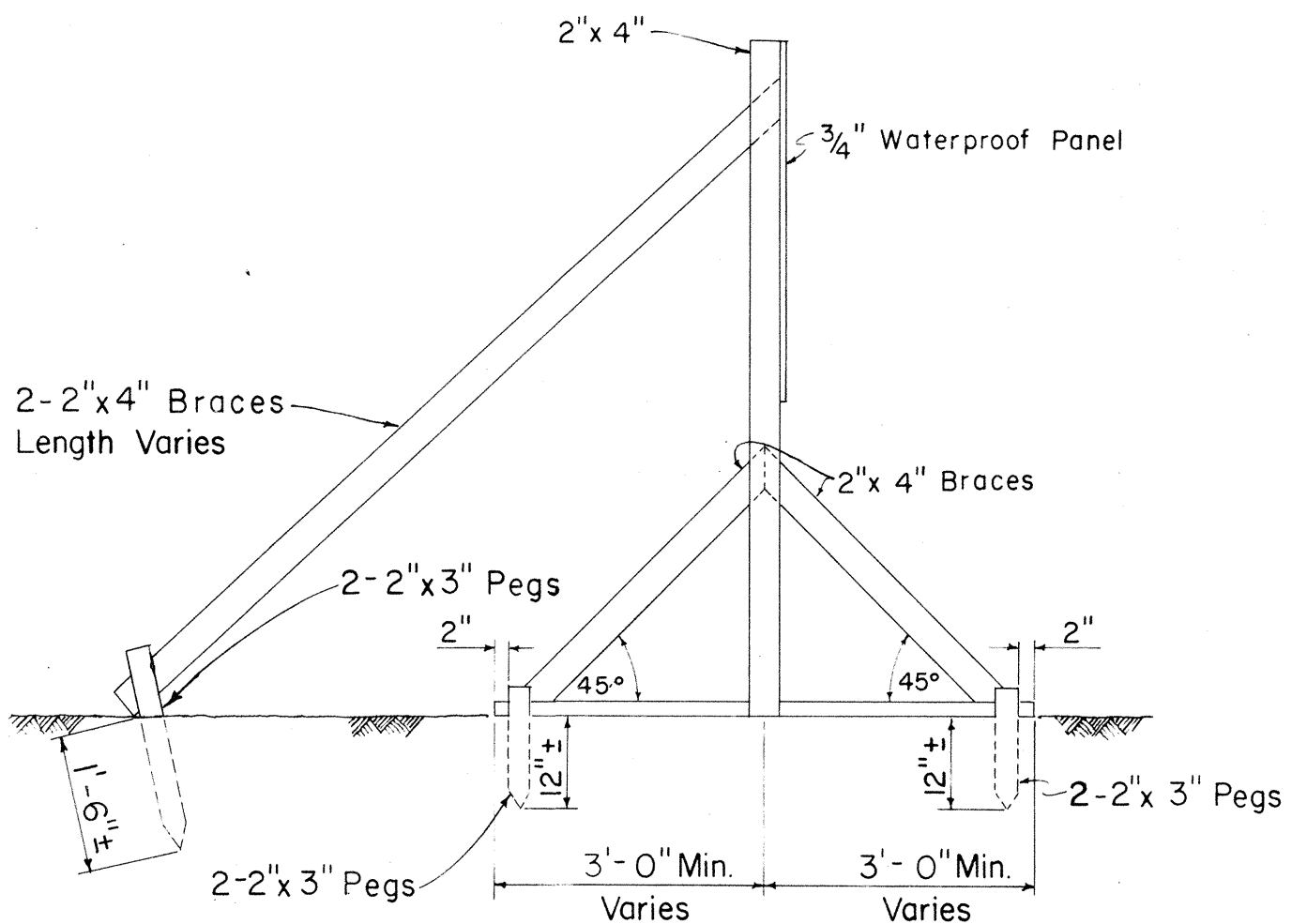
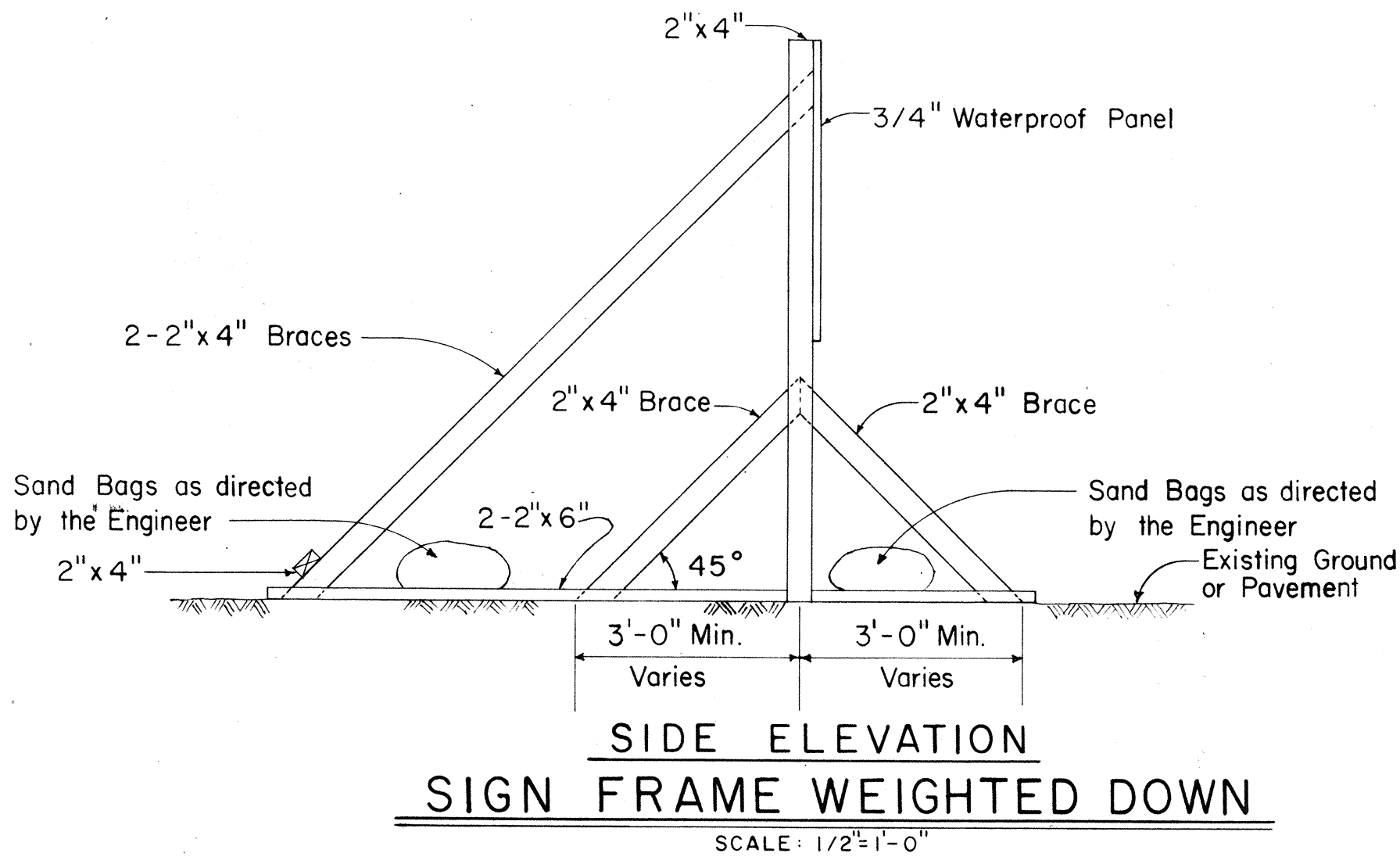
APPROVED: _____ DATE: 1/27/67
 DIRECTOR OF TRANSPORTATION

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 Date: Oct. 1967

SHEET No. 2 OF 2 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII | HAW. | LSP030-10 | 1967 | 2 | 10 |
| | | LSP030-10(2) | | | |
| | | LSP046-10(1) | | | |
| | | 8' - 0" | | | |



CONSTRUCTION IDENTIFICATION SIGN
Scale: As Shown

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.
- Refer to Sheet No. 10 for details on the exact shape and size of the State route marker to be shown on these Construction Identification Signs.
- 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
STANDARD DETAILS
PRIMARY AND SECONDARY SYSTEMS
CONSTRUCTION IDENTIFICATION SIGNS

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

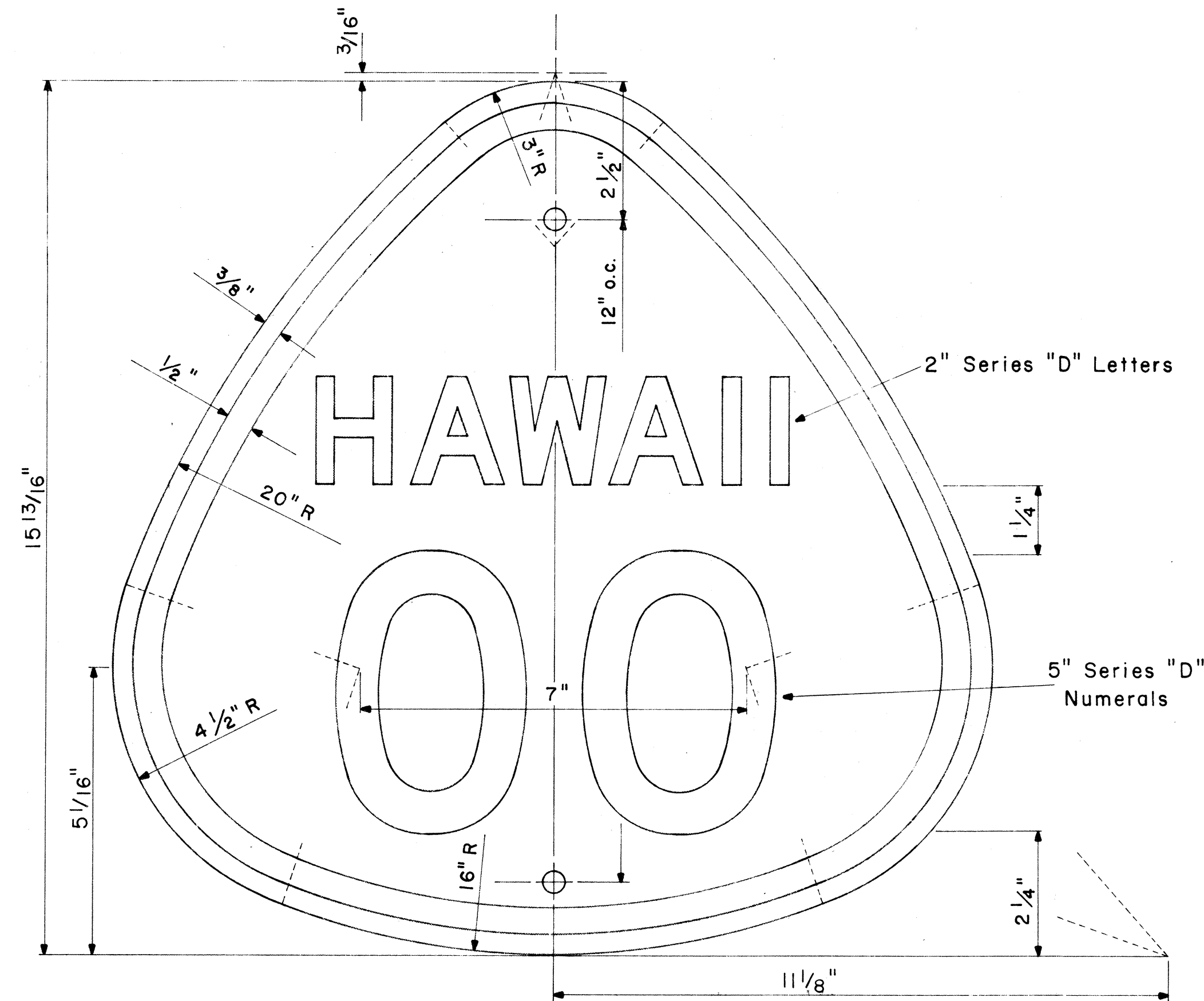
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--|-------------|-----------|--------------|
| HAWAII | HAW. | LSF 030-1(1) LSF 030-1(2) LSF 046-1(1) | 1967 | 10 | 10 |

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 $\frac{3}{8}$ " 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:

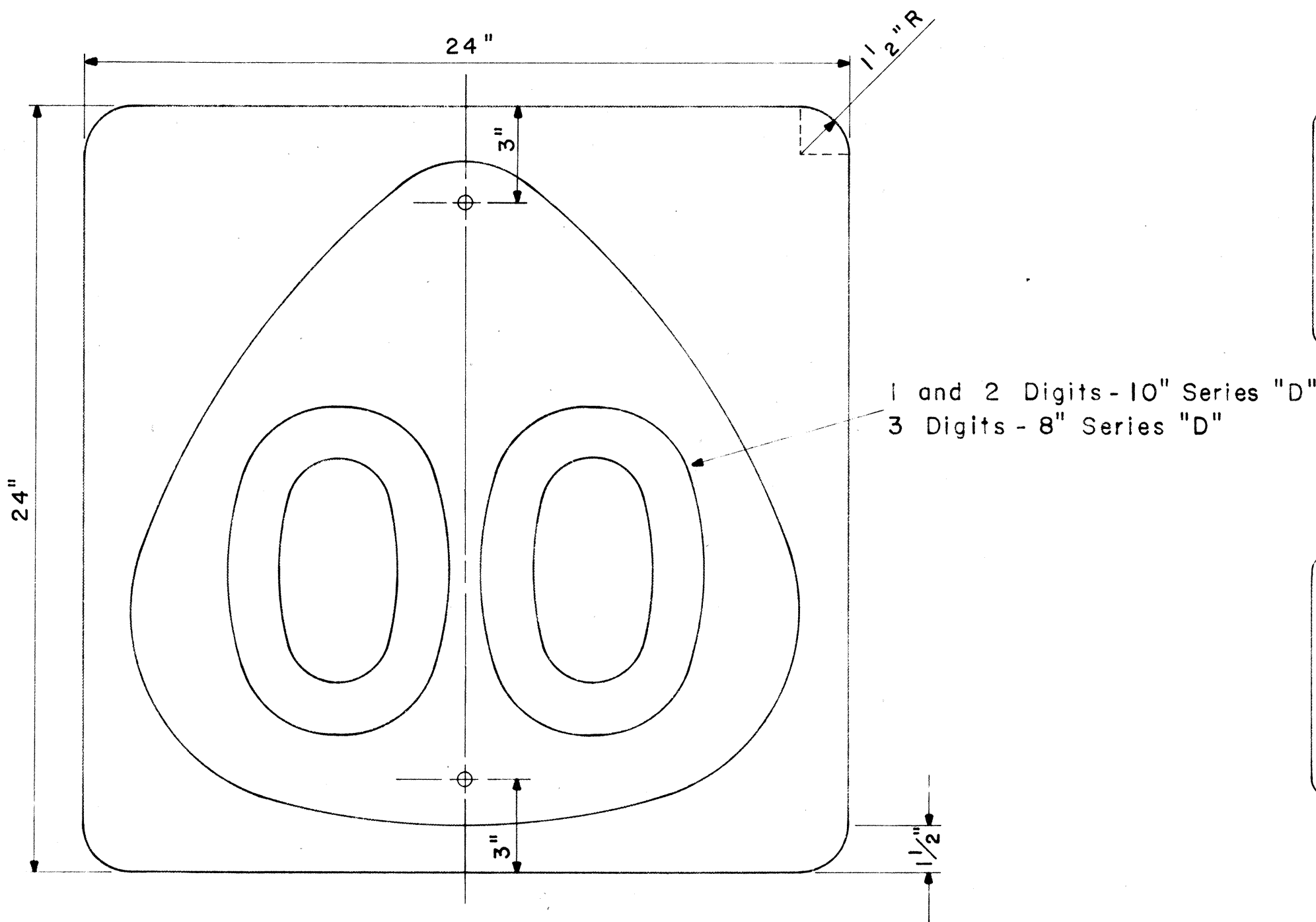
M6-1-N : NORTH
 M6-1-E : EAST
 M6-1-S : SOUTH
 M6-1-W : WEST
- Auxiliary markers denoted with the suffix "I": (M4-1-I) shall have a white legend on a blue background.
- Cardinal Direction Marker (M6-1) with suffix I (3) shall have a white legend on a blue background and shall be 30" x 15" in size.
- 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. OF SHEETS |
|---|



STATE ROUTE MARKER
M1-3(00)

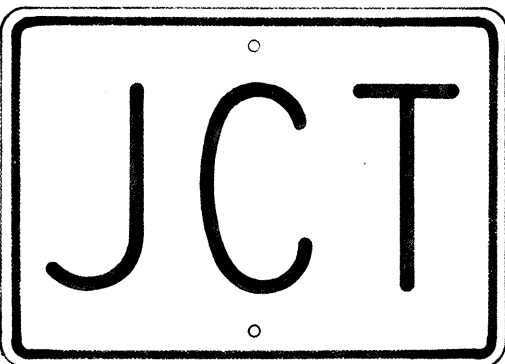
Scale: $\frac{1}{2}$ " = 1"



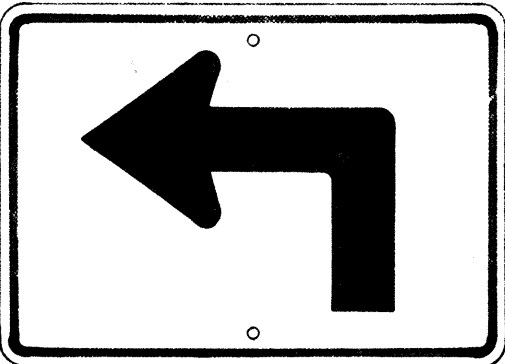
STATE ROUTE MARKER
M1-4(00)

Scale: $\frac{1}{4}$ " = 1"

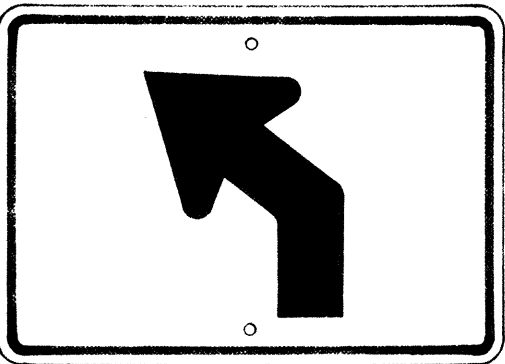
NOTE:
Multiply all dimensions of State Route Marker M1-3 by 1.3 for the dimensions of the shield for M1-4.



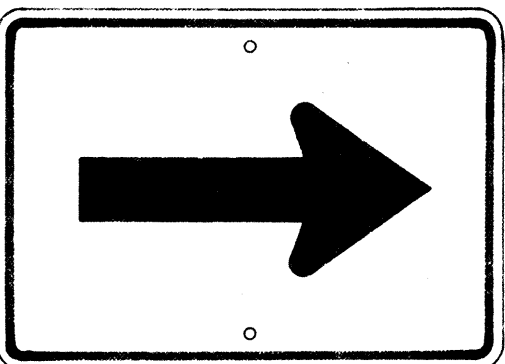
M2-1
21" x 15"



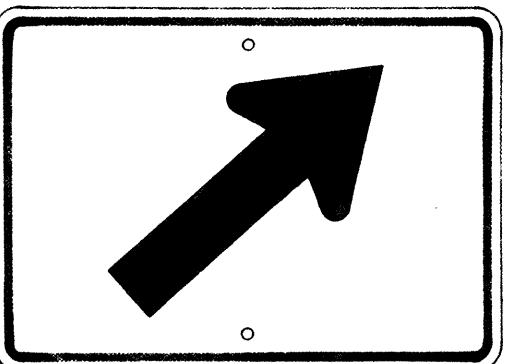
M3-1-L
* M3-1-R
21" x 15"



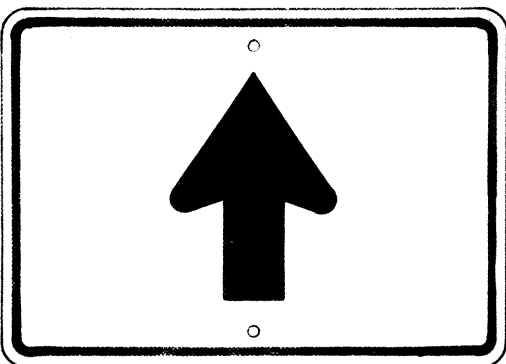
M3-2-L
* M3-2-R
21" x 15"



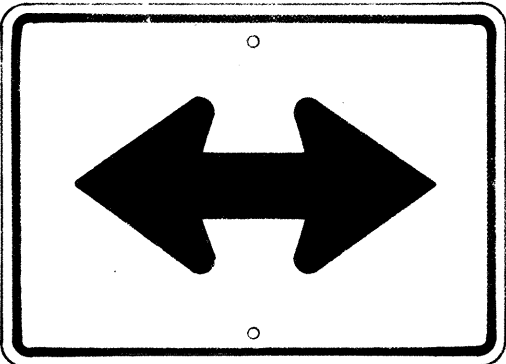
M4-1
21" x 15"



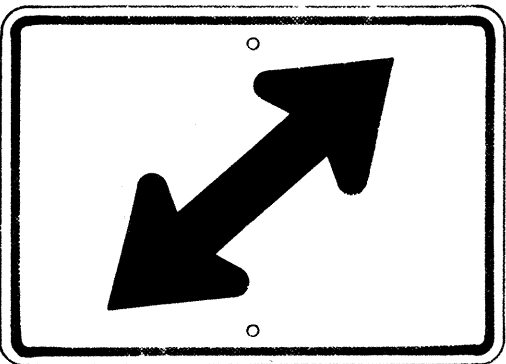
M4-2-R
* M4-2-L
21" x 15"



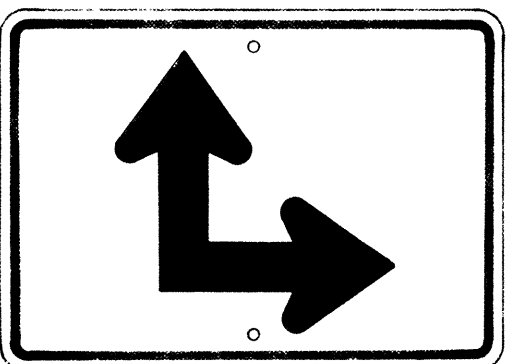
M4-3
21" x 15"



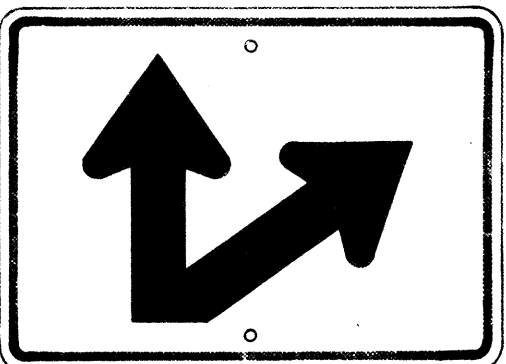
M4-4
21" x 15"



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



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



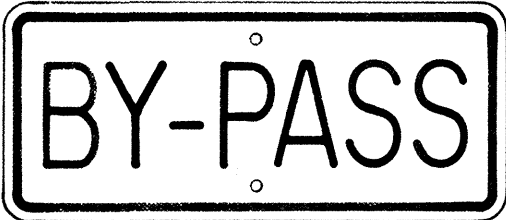
M4-7-R
* M4-7-L
21" x 15"



M5-1
21" x 9"



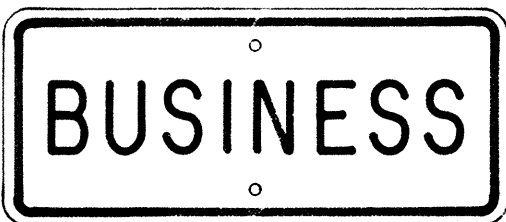
M5-2
21" x 9"



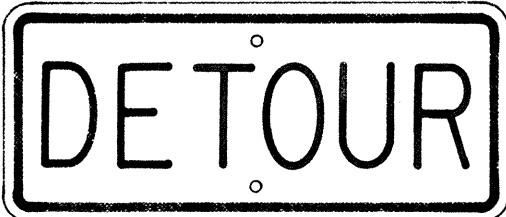
M5-3
21" x 9"



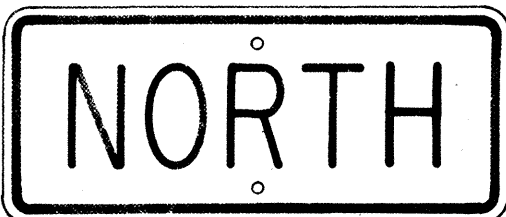
M5-4
21" x 9"



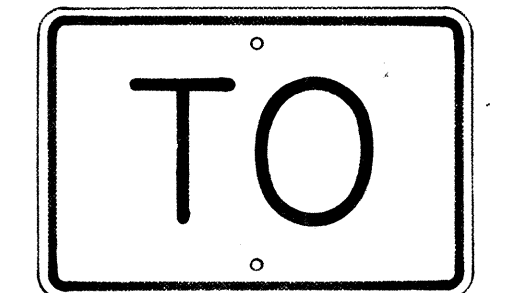
M5-5
21" x 9"



M5-6
21" x 9"



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



M7-1
18" x 12"

AUXILIARY MARKERS

Scale: $\frac{1}{8}$ " = 1"

* NOTE:
Signs shall be similar but opposite in direction.

| | |
|---------------|------|
| ORIGINAL PLAN | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| NOTED BY | |
| CHECKED BY | |
| NO. | |