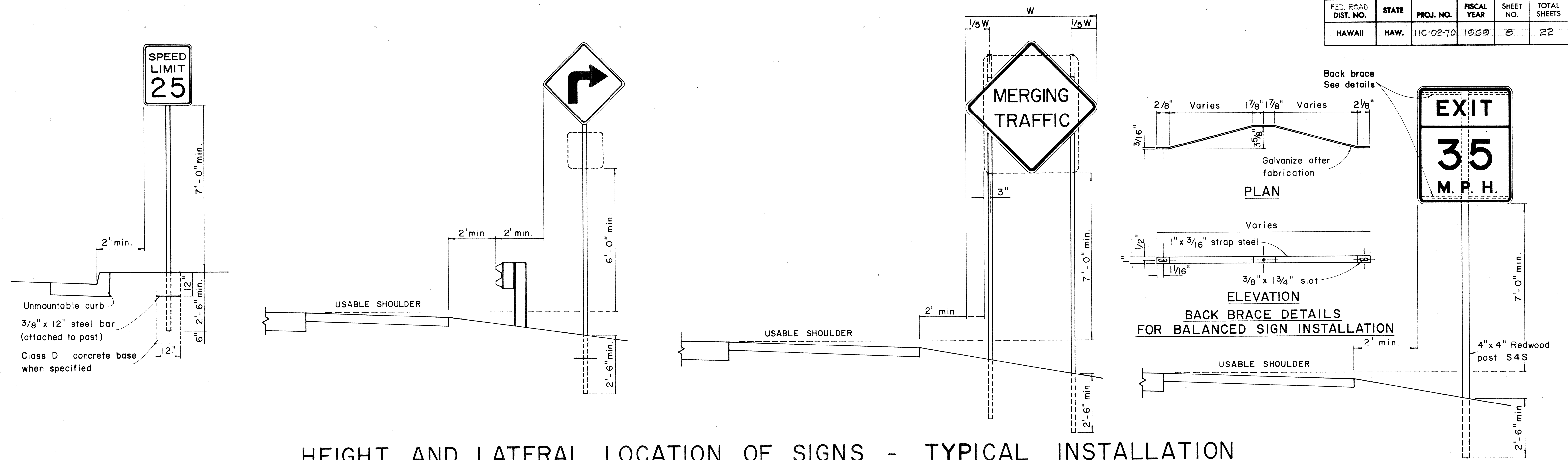
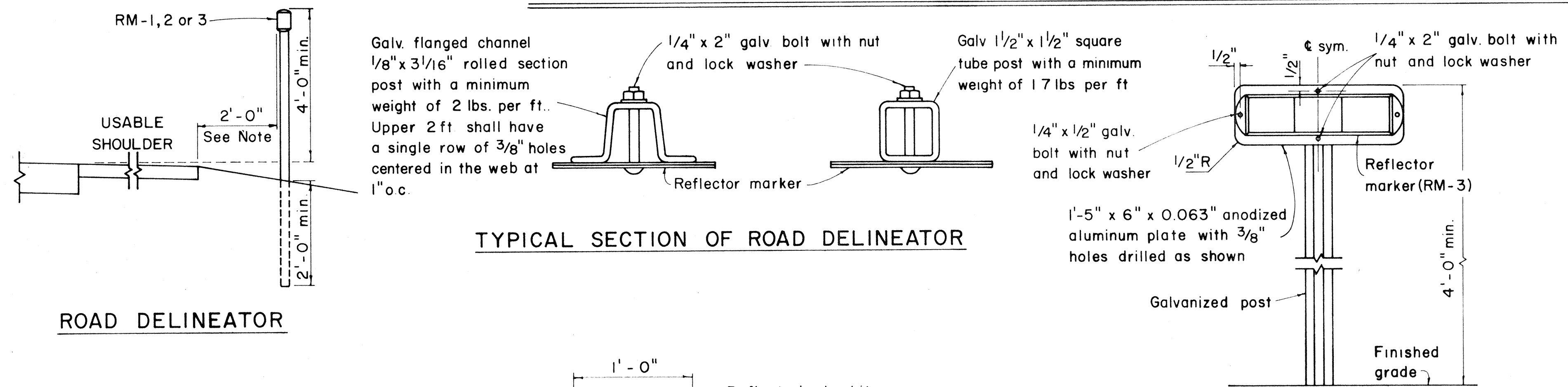


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-02-70	1969	8	22



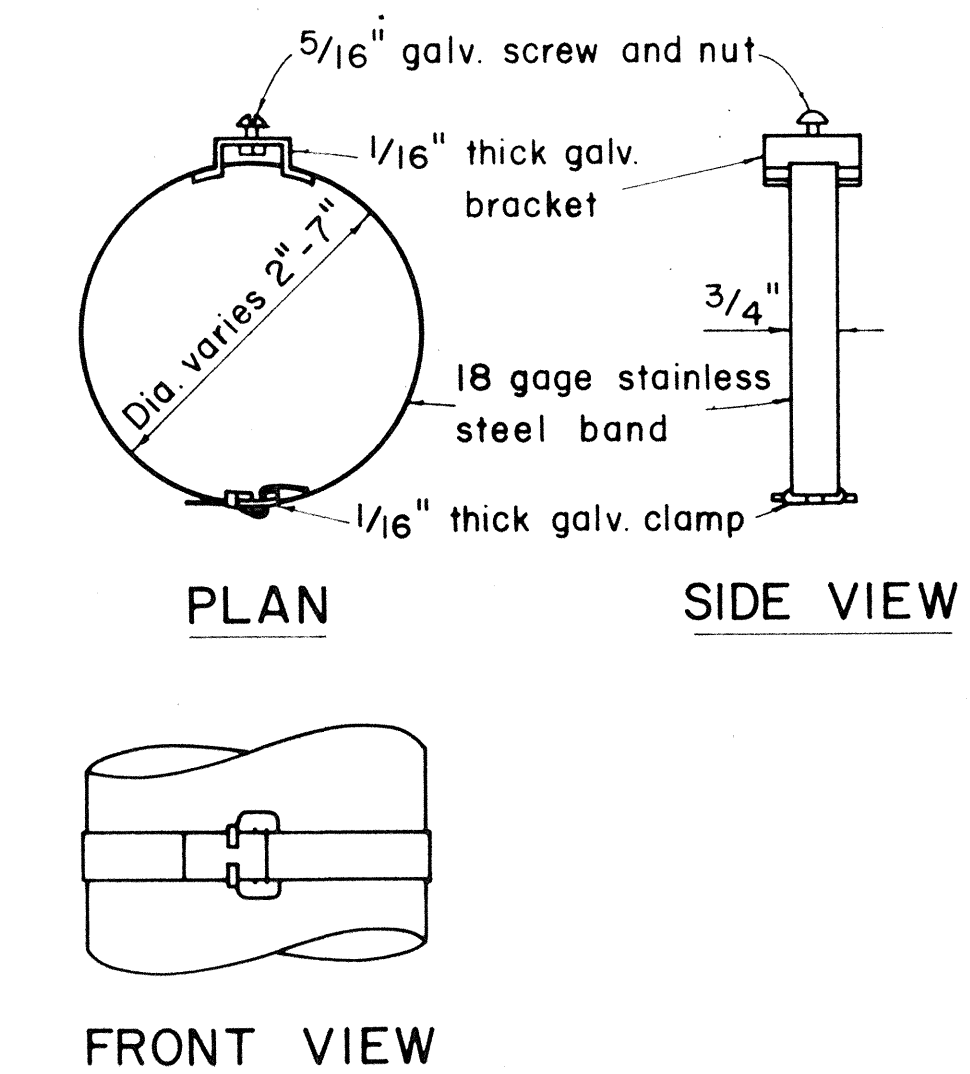
# HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATION



TYPICAL SECTION OF ROAD DELINEATOR

ROAD DELINEATOR

TYPICAL DETAIL  
HORIZONTAL REFLECTOR MARKER  
RM-3H



TYPICAL BAND BRACKET FOR  
MOUNTING TRAFFIC SIGNS

- GENERAL NOTES:
- Sign posts shall be 2" galv. standard pipe or 2" x 2" galv. sq. tube post.
  - Signs 48" and wider or larger than 10 sq. ft. in area shall be mounted on two 2" galv. standard pipe or two 2" x 2" galv. sq. tube post or 4" x 4" redwood post S4S.
  - Signs shall be attached to post with 5/16" galv. bolts with nuts and 7/8" x 0.06 stainless steel washers with neoprene rubber gasket.
  - Sign posts shall extend 3 1/2" above sign where required for City and County street name signs.
  - 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.
  - Clearance markers (RM-3, RM-4) shall be installed with the edge of the marker in line with the inner edge of the obstruction.
  - (R) or (L) indicates right or left and shall be as shown on the plans.

APPROVAL RECOMMENDED:  
*E. J. Tanaka* 12/22/69  
 TRAFFIC ENGINEER DATE

APPROVED:  
*[Signature]* 12-28-69  
 ASSISTANT CHIEF, ENGINEERING DATE

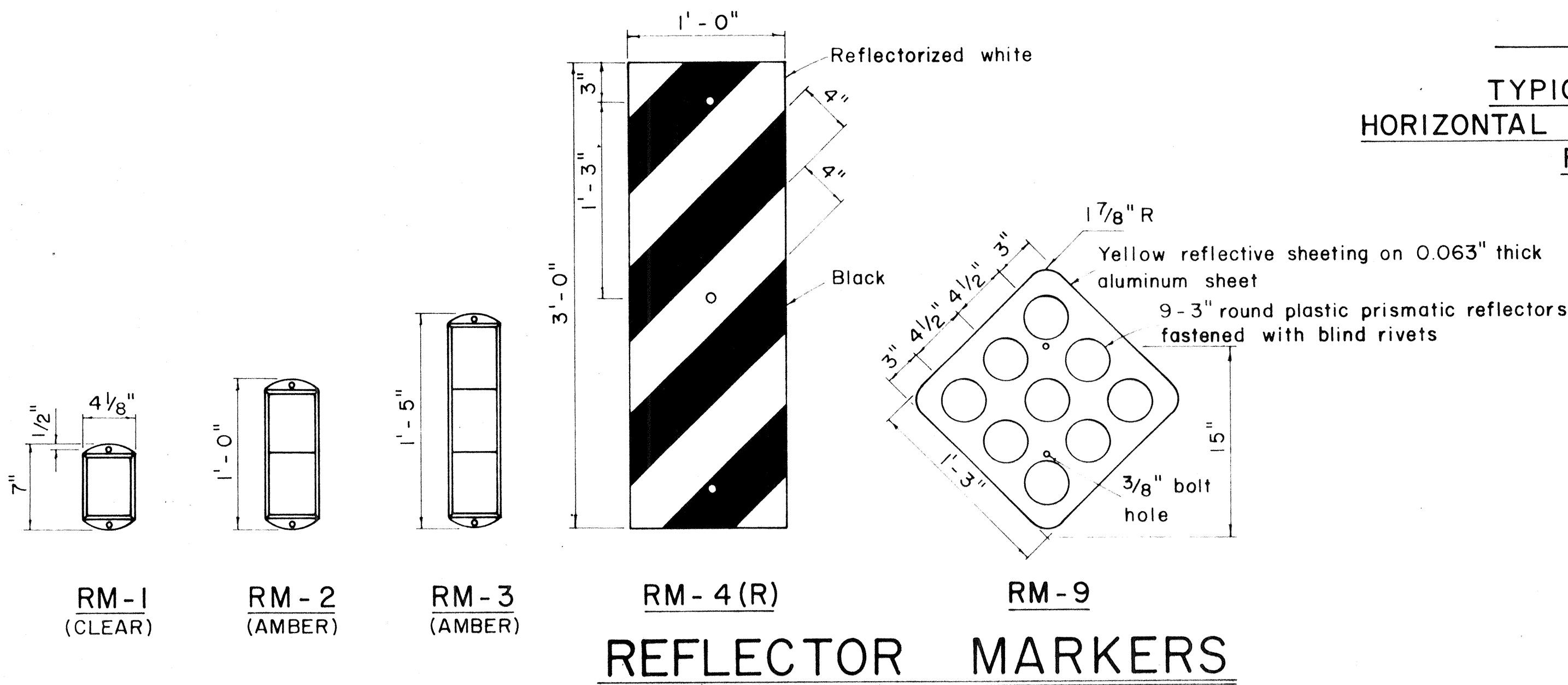
NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD DETAILS  
MISCELLANEOUS SIGN DETAILS

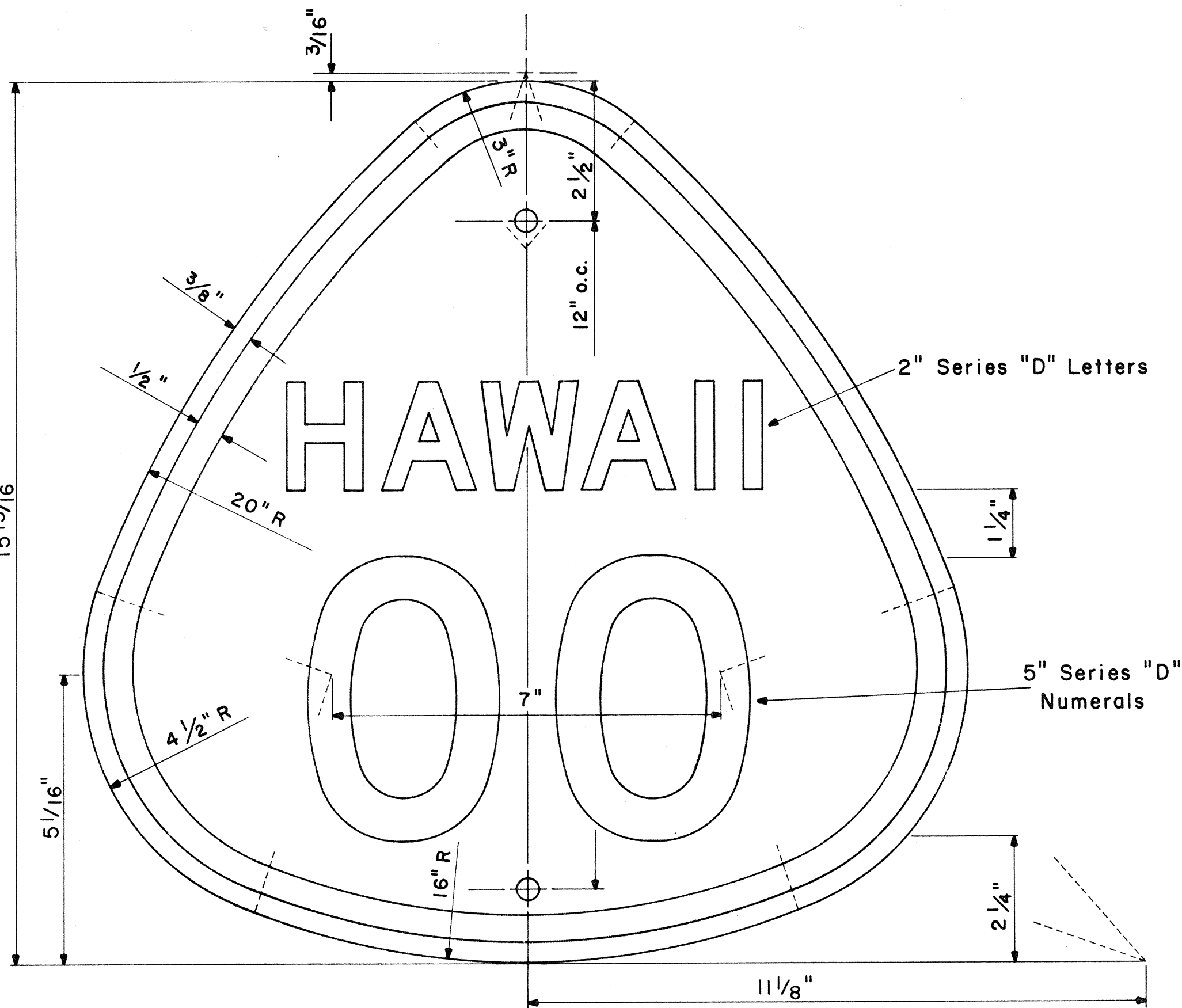
Not to scale  
March, 1968

DATE	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



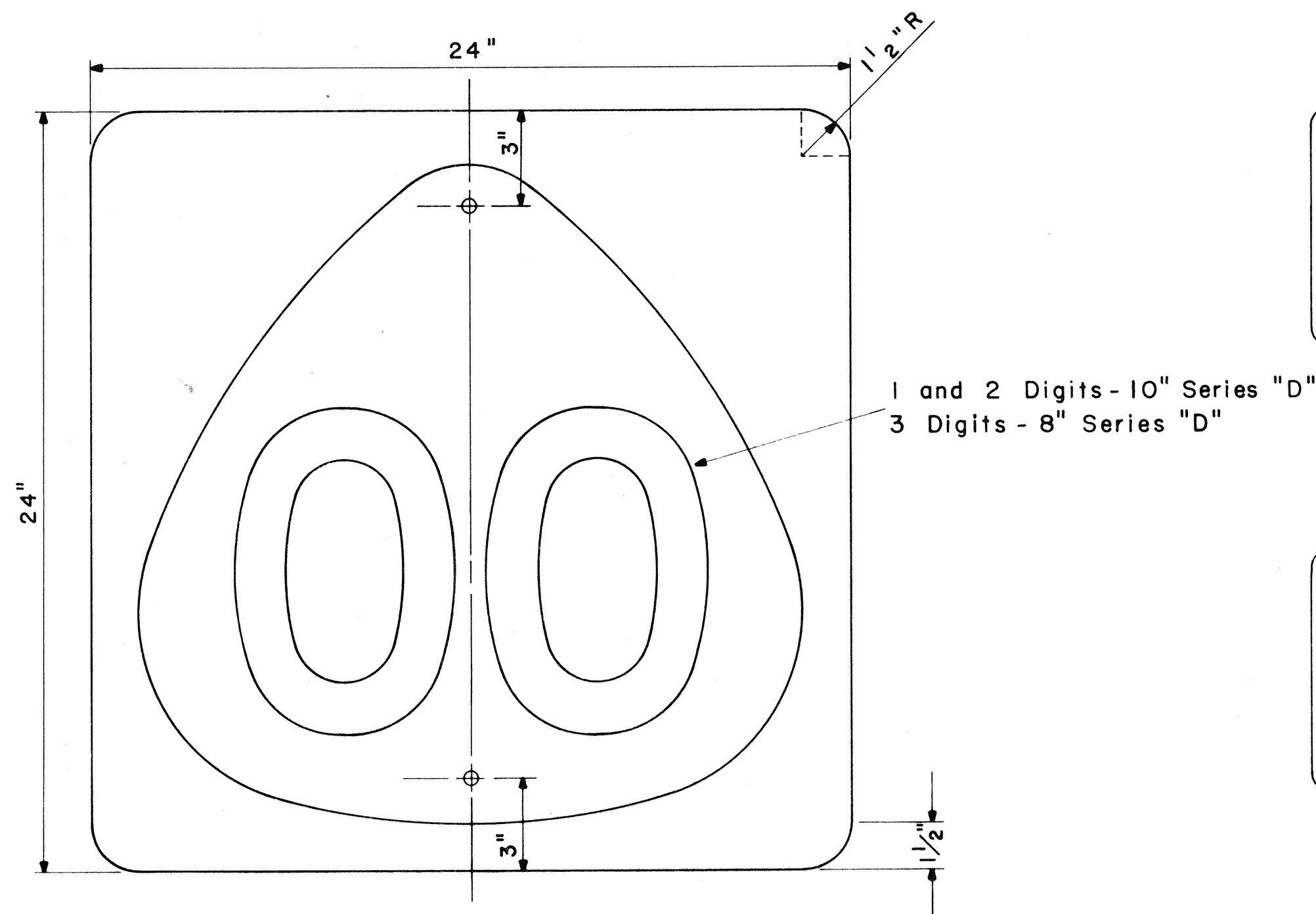
REFLECTOR MARKERS

FED. ROAD DIST. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11C-02-70	1969	9	22



STATE ROUTE MARKER  
M1-3(OO)

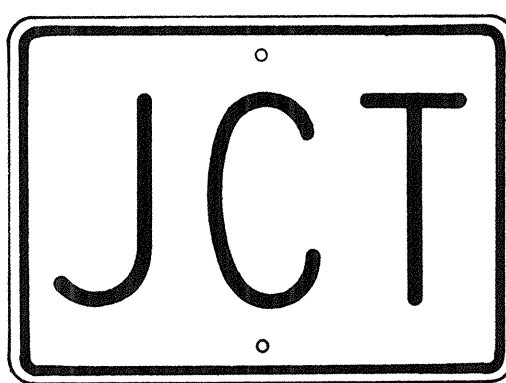
Scale: 1/2" = 1"



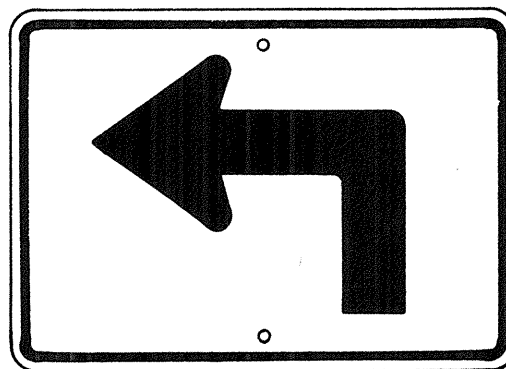
STATE ROUTE MARKER  
M1-4(OO)

Scale: 1/4" = 1"

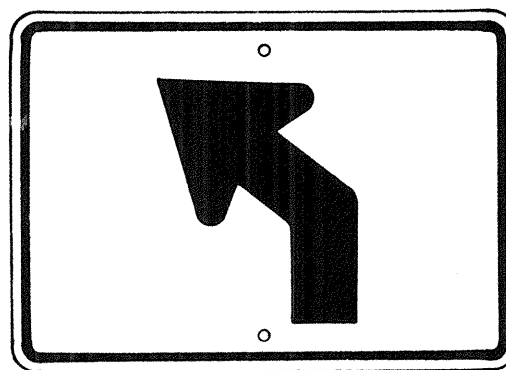
NOTE:  
Multiply all dimensions of State Route Marker M1-3 by 1.3 for the dimensions of the shield for M1-4.



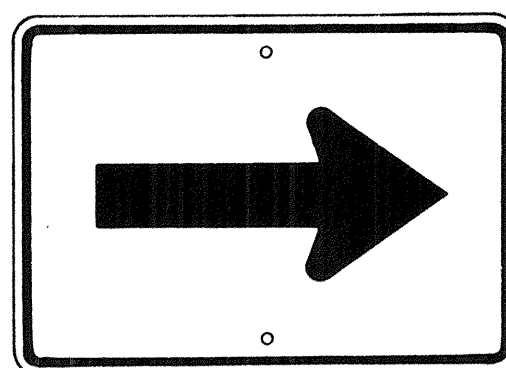
M2-1  
21" x 15"



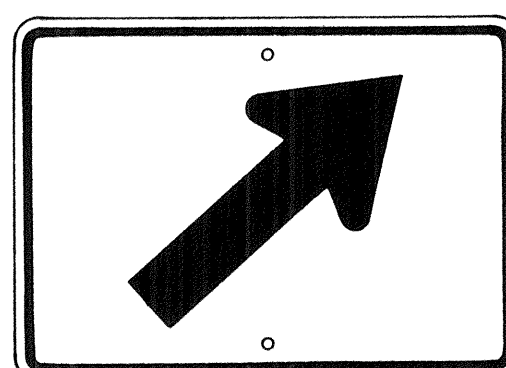
M3-1-L  
\* M3-1-R  
21" x 15"



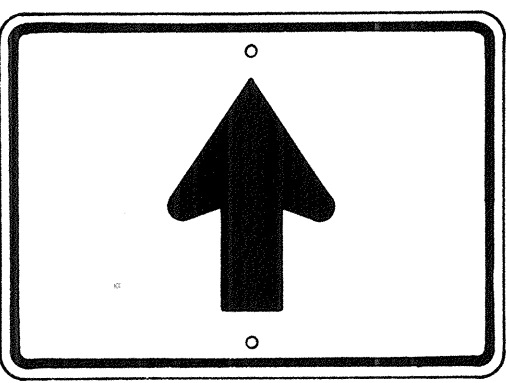
M3-2-L  
\* M3-2-R  
21" x 15"



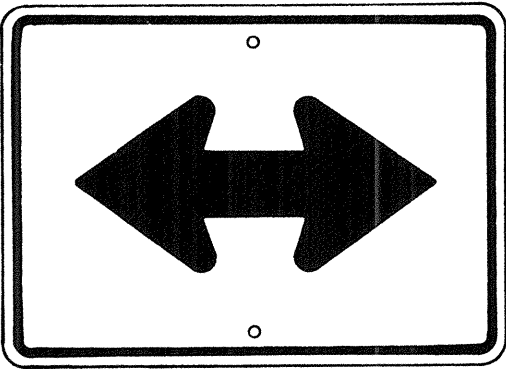
M4-1  
21" x 15"



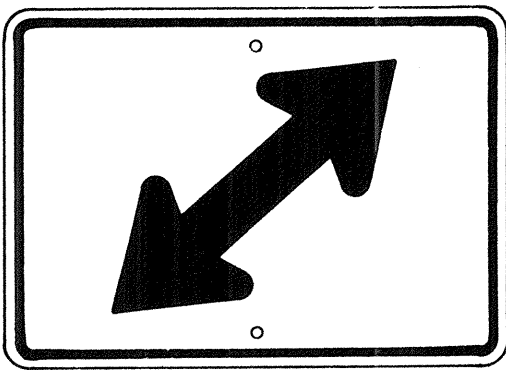
M4-2-R  
\* M4-2-L  
21" x 15"



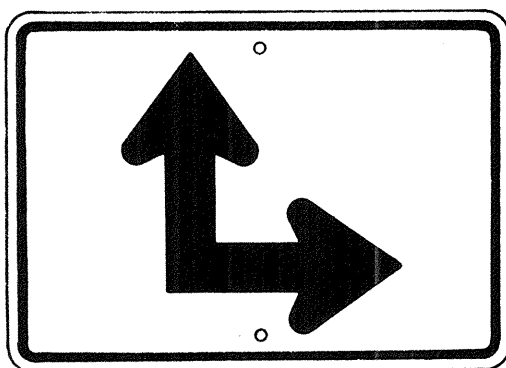
M4-3  
21" x 15"



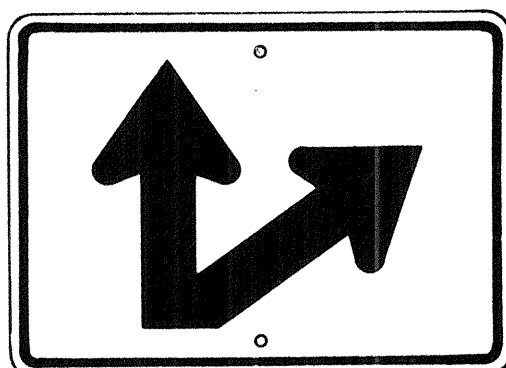
M4-4  
21" x 15"



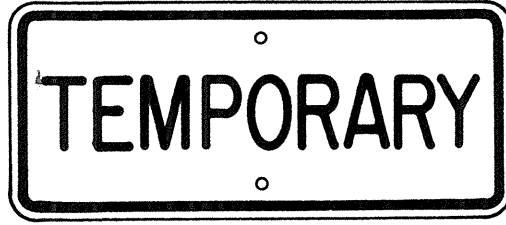
M4-5-R  
\* M4-5-L  
21" x 15"



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



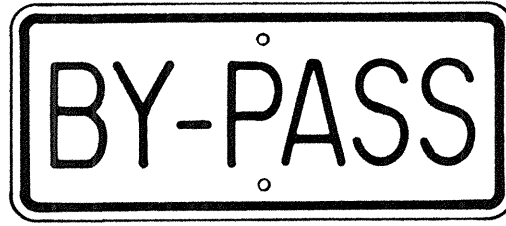
M4-7-R  
\* M4-7-L  
21" x 15"



M5-1  
21" x 9"



M5-2  
21" x 9"



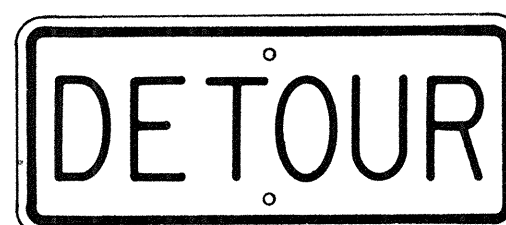
M5-3  
21" x 9"



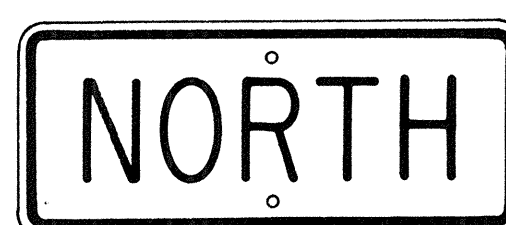
M5-4  
21" x 9"



M5-5  
21" x 9"



M5-6  
21" x 9"



M6-1-N  
21" x 9"

(See Note 6)



M7-1  
18" x 12"

NO.	REVISION	APPROVED BY	DATE

### 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, 1966
- 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.

APPROVAL RECOMMENDED:  
*Eichi Tanaka* 12/29/69  
TRAFFIC ENGINEER DATE

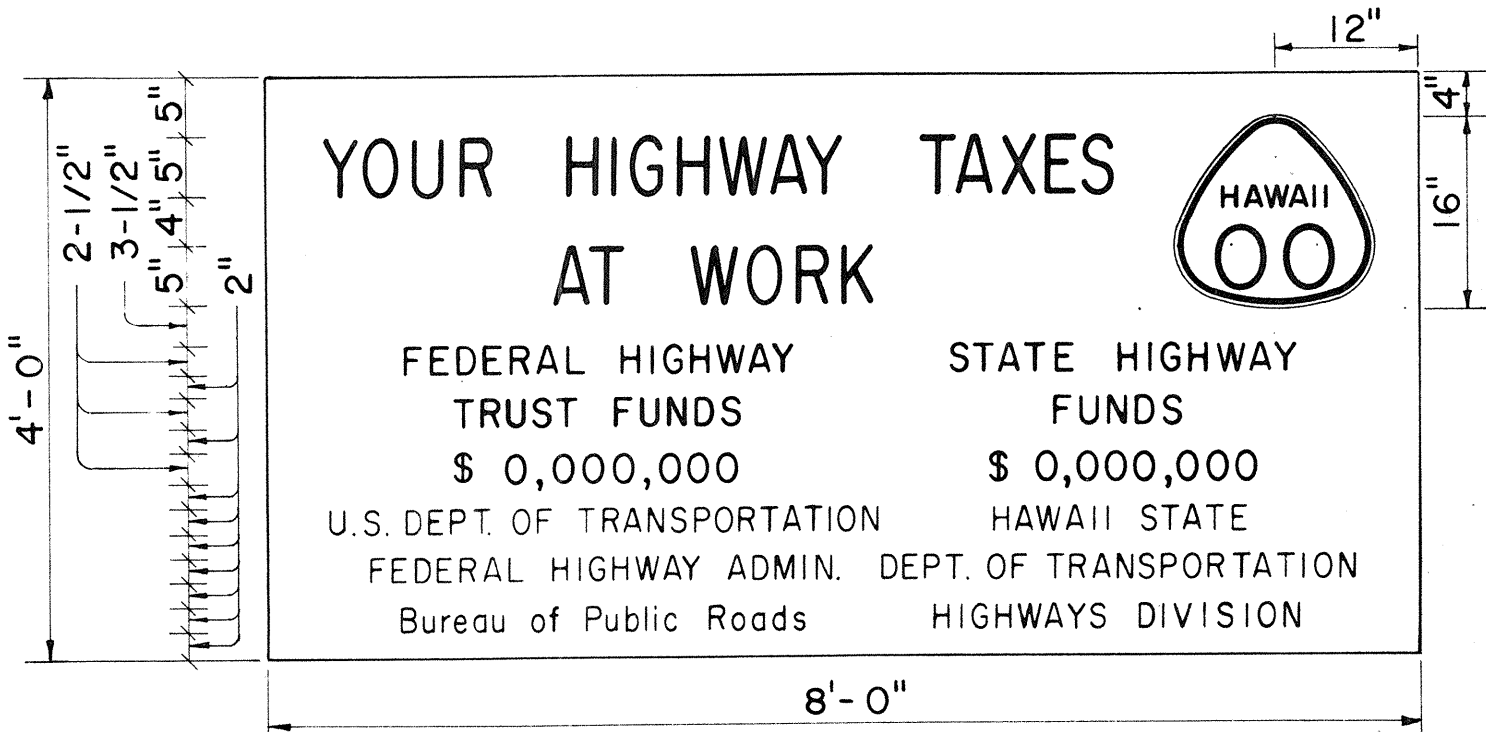
APPROVED:  
*John P. Peltier* 12-30-69  
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
STANDARD DETAILS  
STATE ROUTE MARKERS  
AND  
AUXILIARY MARKERS  
Scale: As Noted  
SHEET No. 2 OF 4 SHEETS DT 105

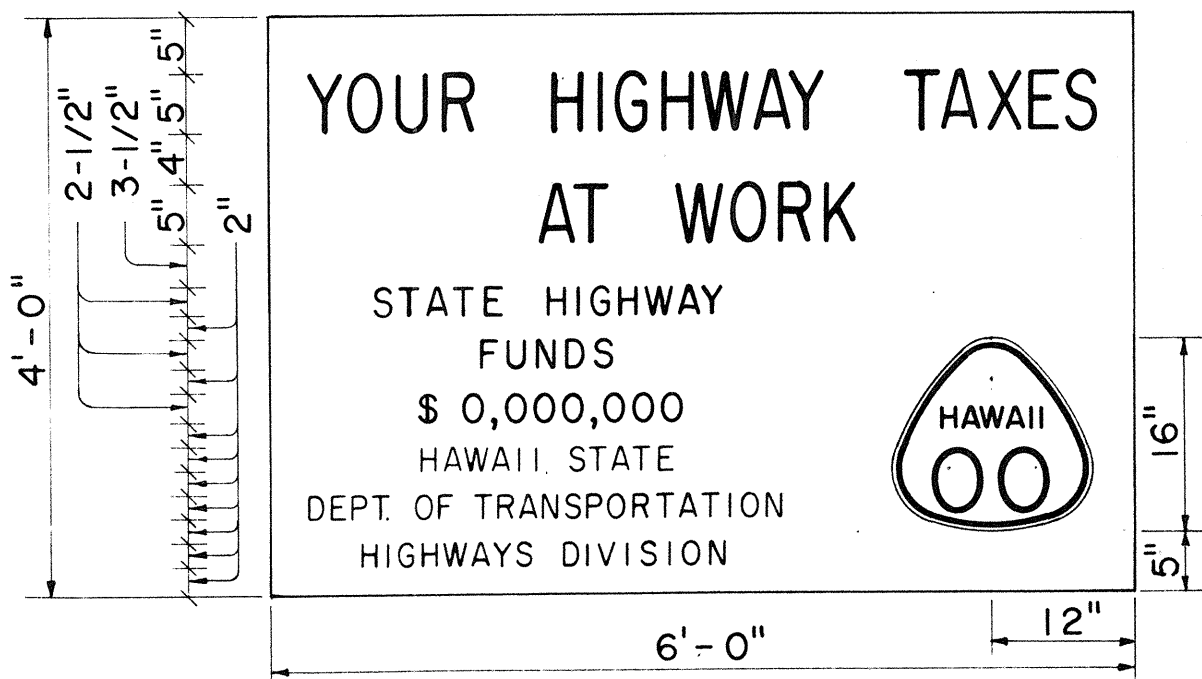
ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HC-02-70	1969	10	22



**SIGN PANEL**  
**PRIMARY AND SECONDARY SYSTEMS**  
Scale: 3/4" = 1'-0"



**SIGN PANEL**  
**NON-FEDERAL AID PROJECT**  
Scale: 3/4" = 1'-0"

**GENERAL NOTES**

- The sign legend shall be black on white background.
- The Contractor shall construct, install and maintain the project signs at the locations shown on the plans and as ordered by the Engineer.
- 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, 1966
- The Contractor shall fill in the proper numerals in place of ciphers as ordered by the Engineer.

APPROVAL RECOMMENDED:  
*Eishi Tanaka* 12/23/69  
TRAFFIC ENGINEER DATE

APPROVED:  
*John S. S. S.* 12/30/69  
ASSISTANT CHIEF, ENGINEERING DATE

NO	REVISION	APPROVED BY	DATE

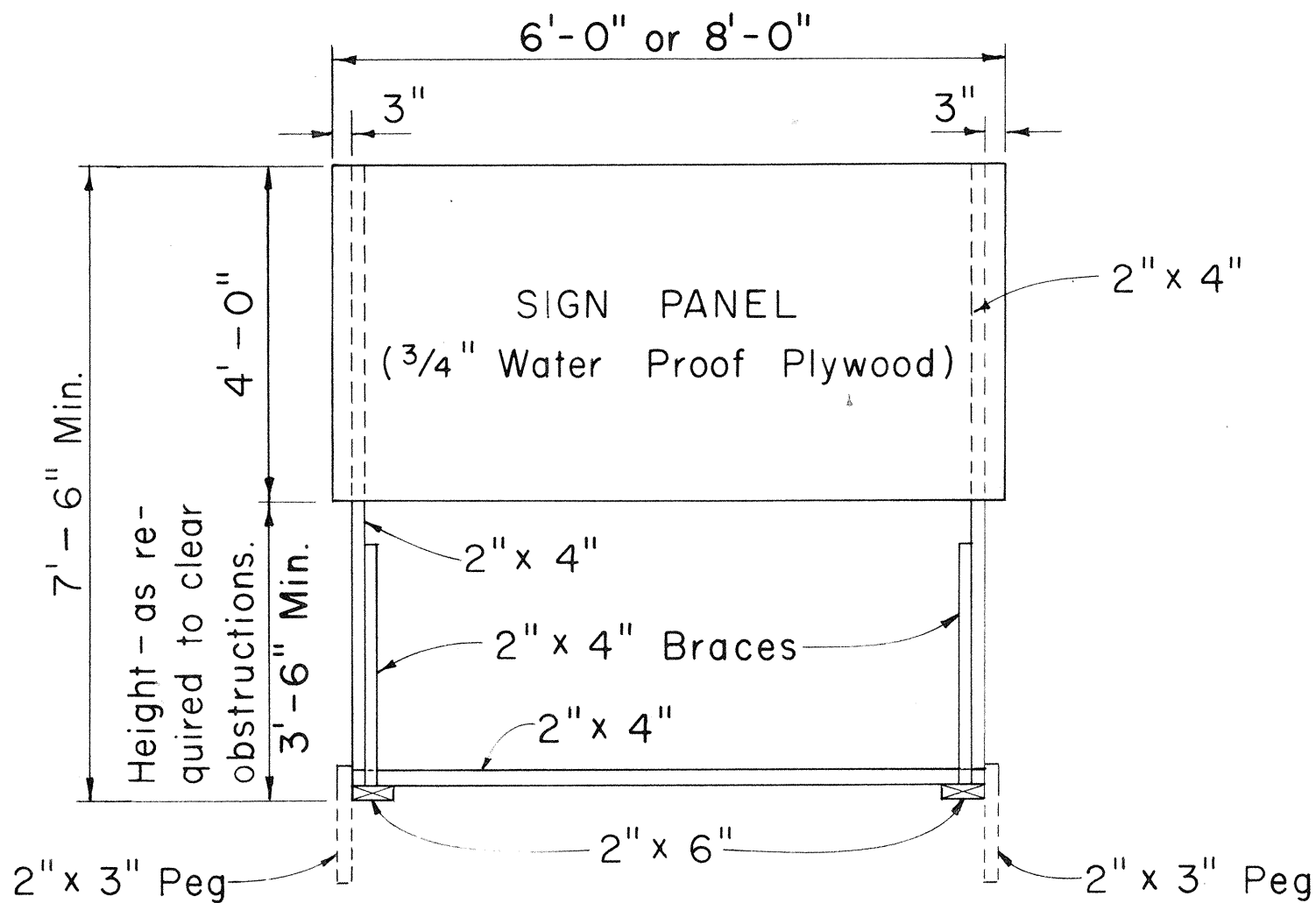
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL DETAILS**  
**CONSTRUCTION IDENTIFICATION SIGN**  
**AND**  
**WOOD BARRICADES**

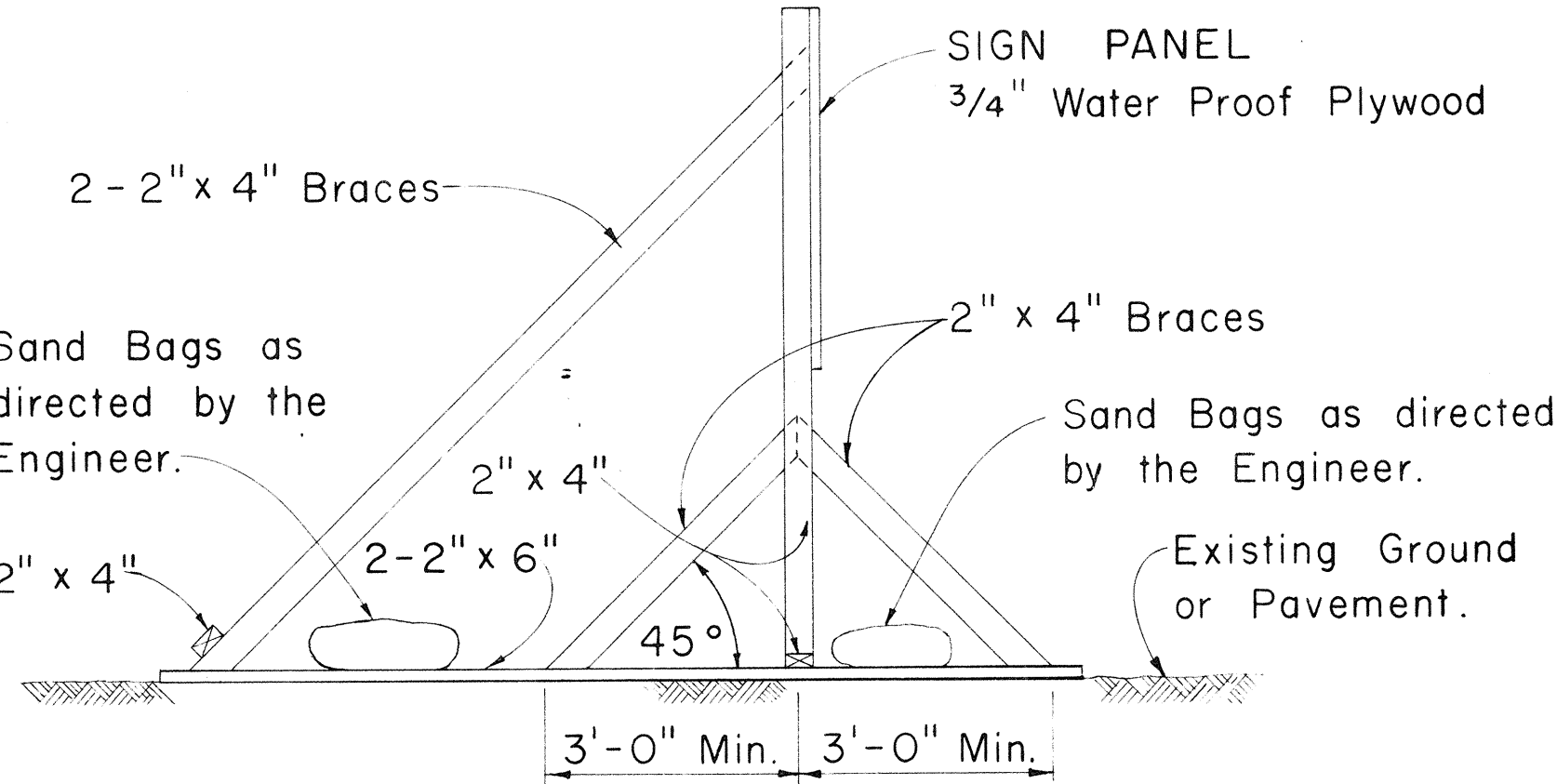
Scale: As Shown Date: 12/30/69  
SHEET No. 3 OF 4 SHEETS DT 801

**GENERAL NOTES**

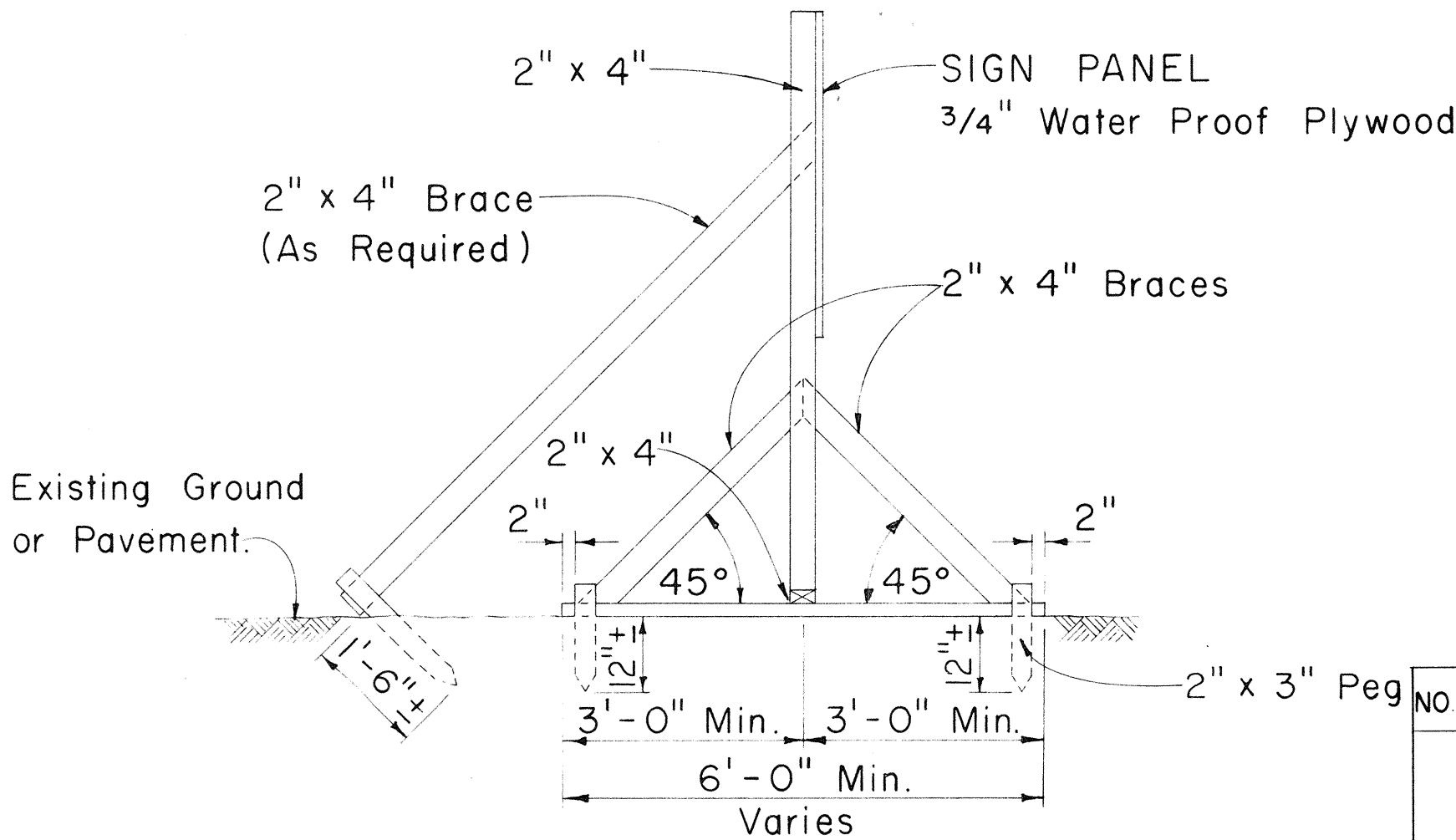
- The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans.
- The permanent wood barricades shall be left in place or relocated upon completion of the project as ordered by the Engineer and are to become State property.



**FRONT VIEW**  
Scale: 1/2" = 1'-0"

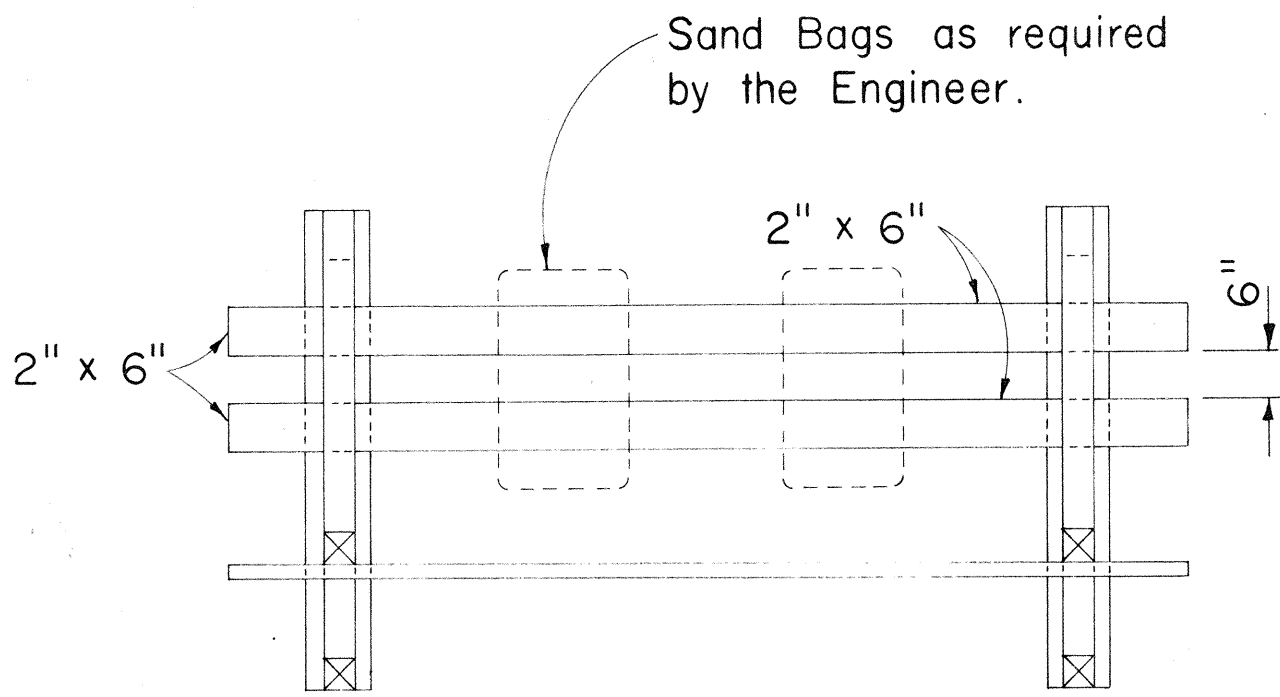


**SIDE VIEW**  
(SIGN FRAME WEIGHTED DOWN)  
Scale: 1/2" = 1'-0"

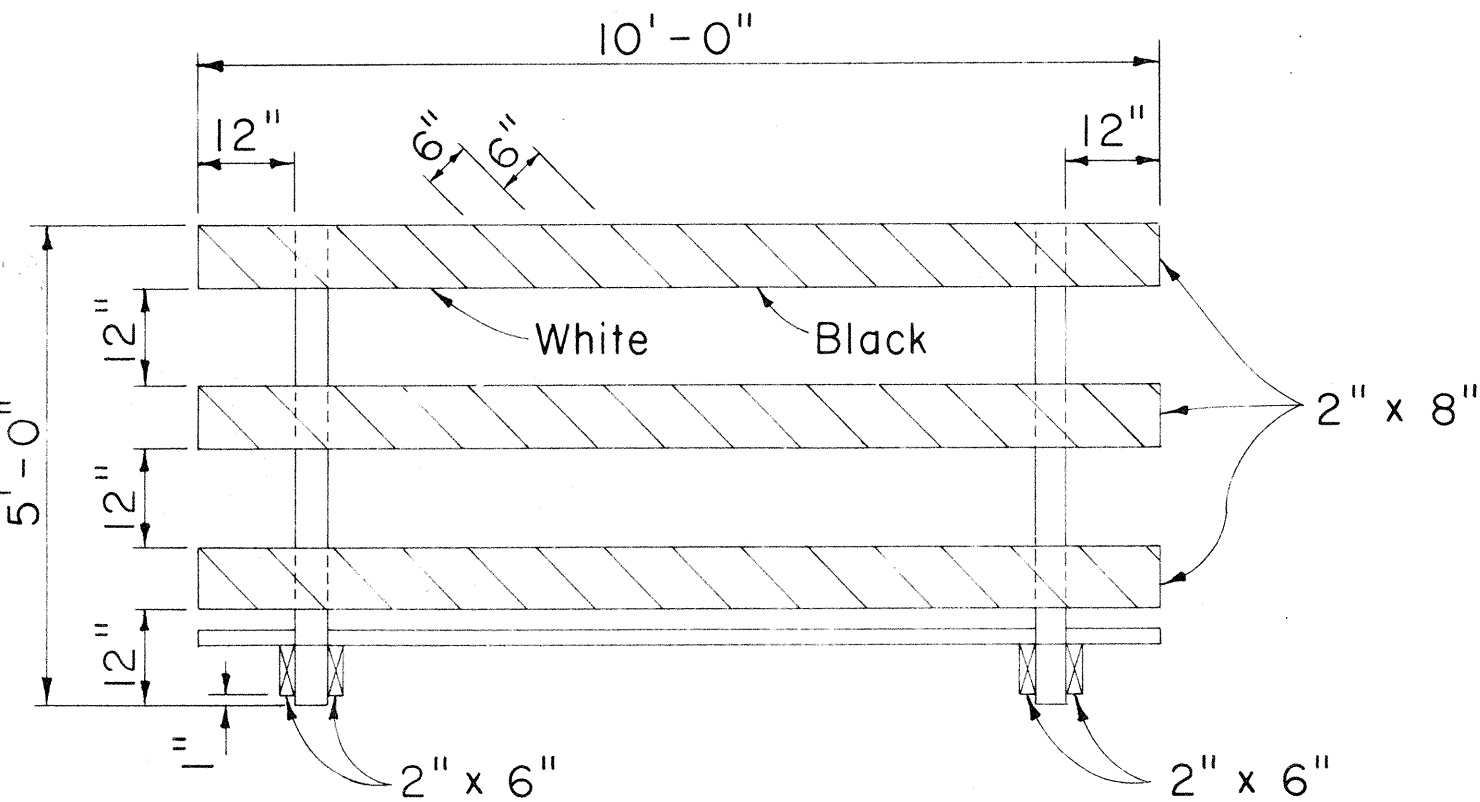


**SIDE VIEW**  
(SIGN FRAME ANCHORED IN GROUND)  
Scale: 1/2" = 1'-0"

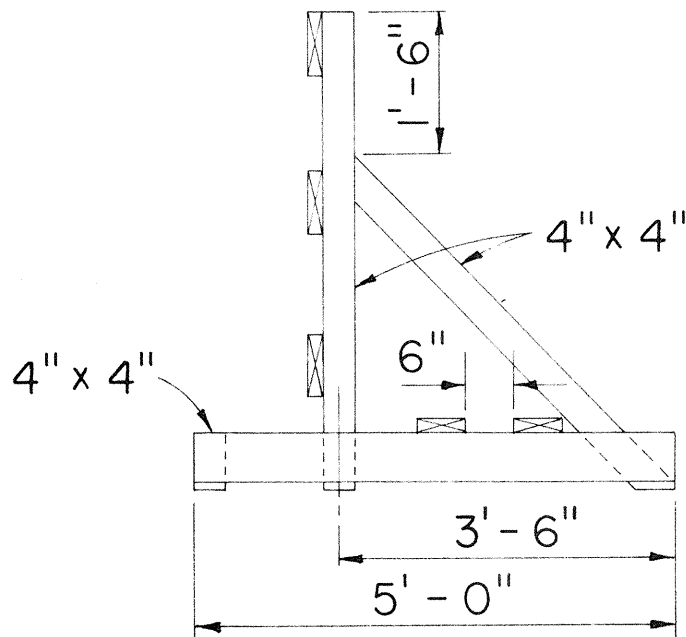
**CONSTRUCTION IDENTIFICATION SIGN**  
Scale: As Shown



**PLAN VIEW**

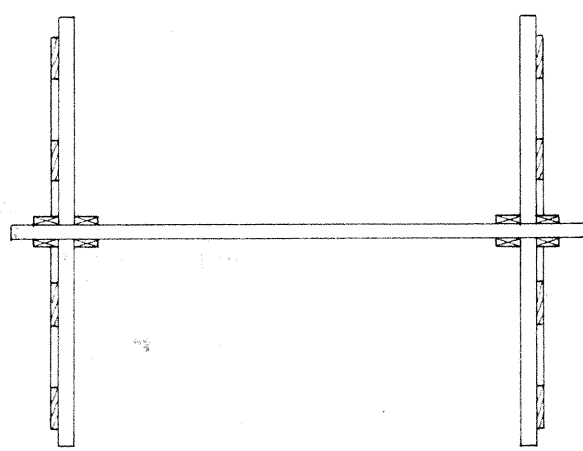


**FRONT VIEW**

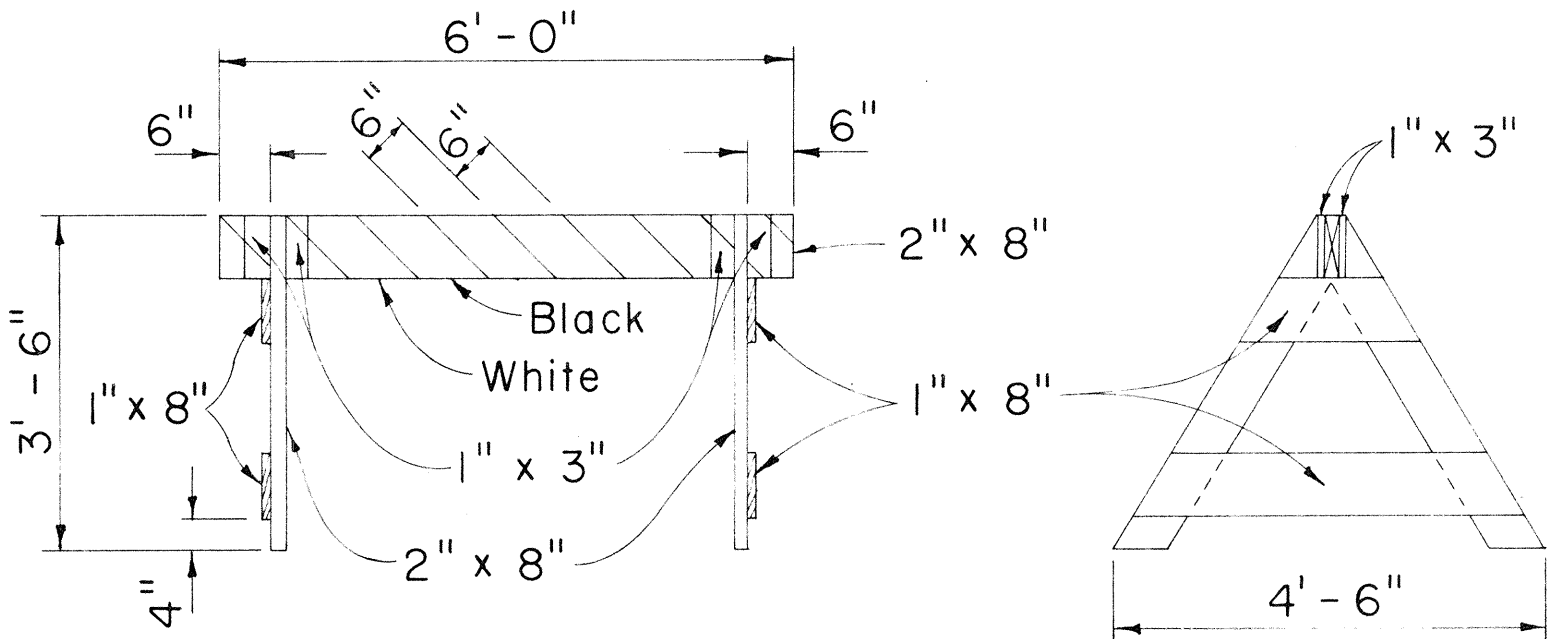


**END VIEW**

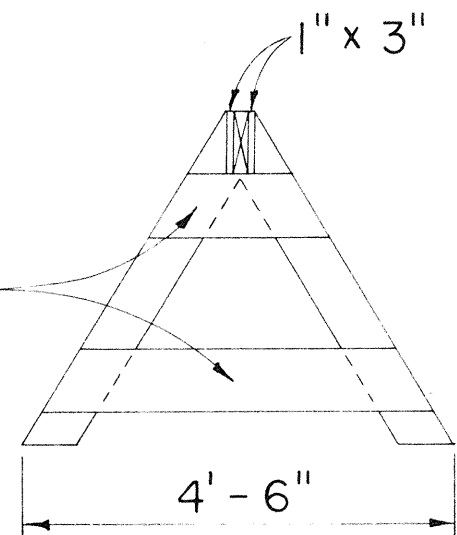
**CLASS I BARRICADE**  
Scale: 1/2" = 1'-0"



**PLAN VIEW**



**FRONT VIEW**

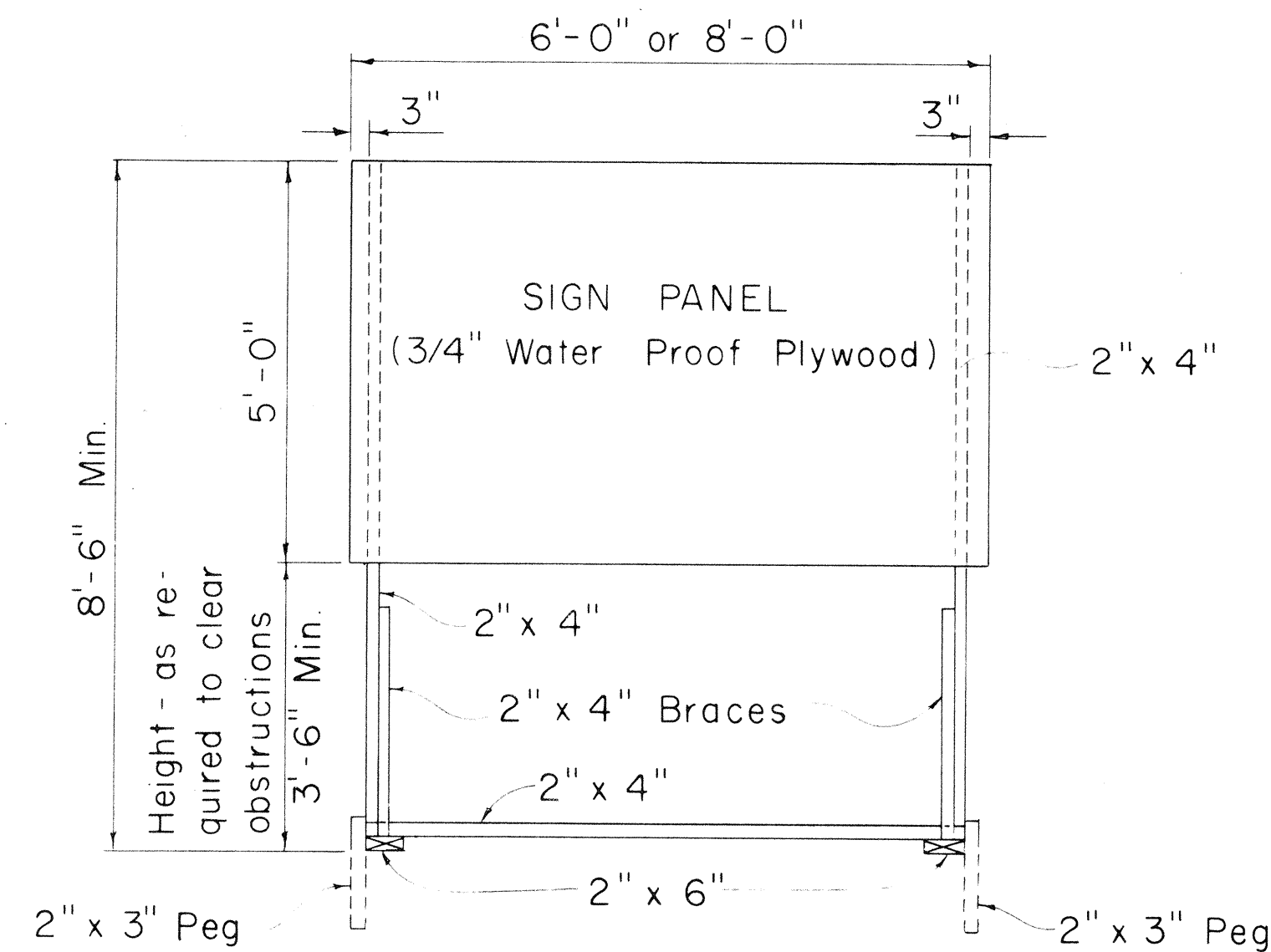


**END VIEW**

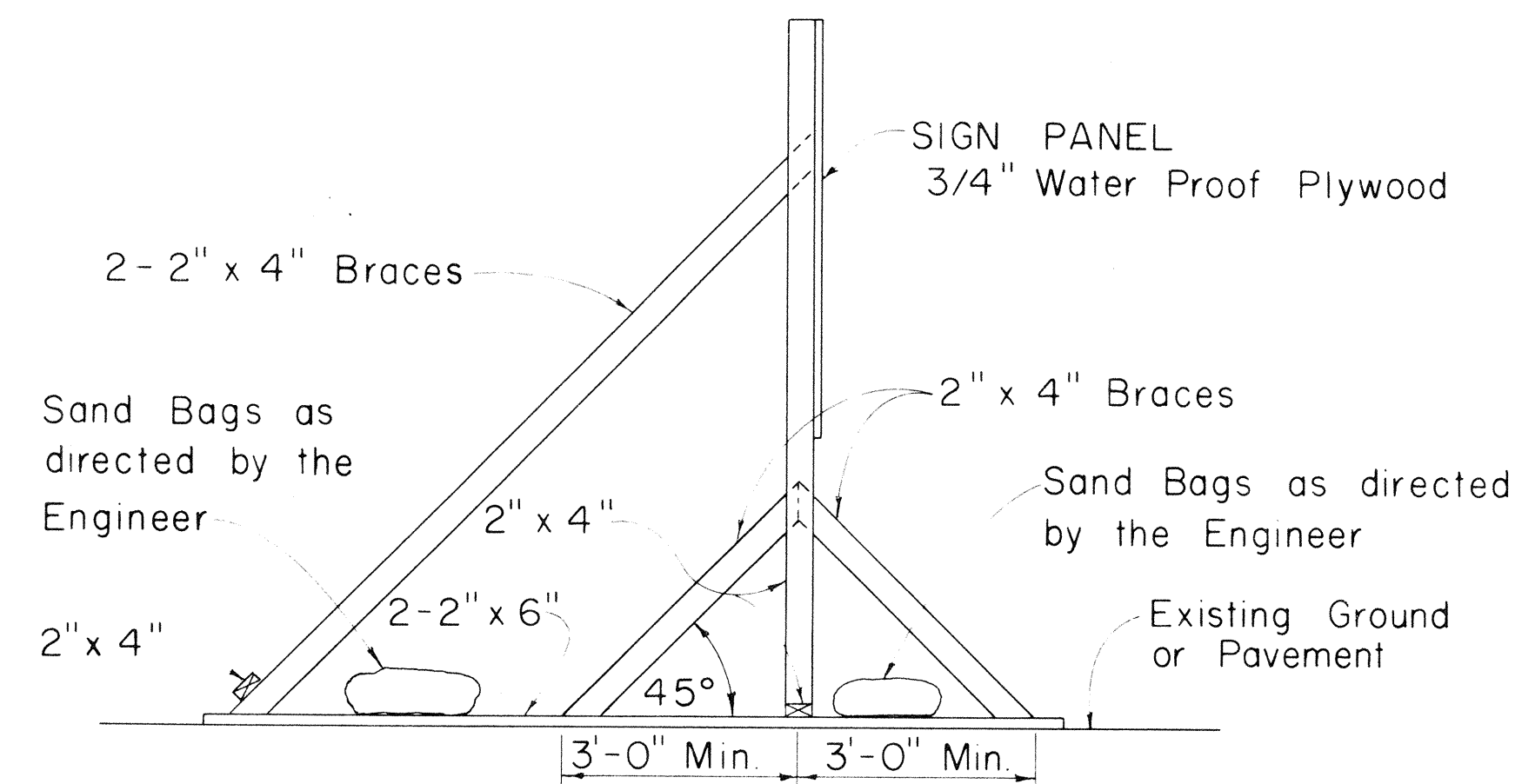
**CLASS II BARRICADE**  
Scale: 1/2" = 1'-0"

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

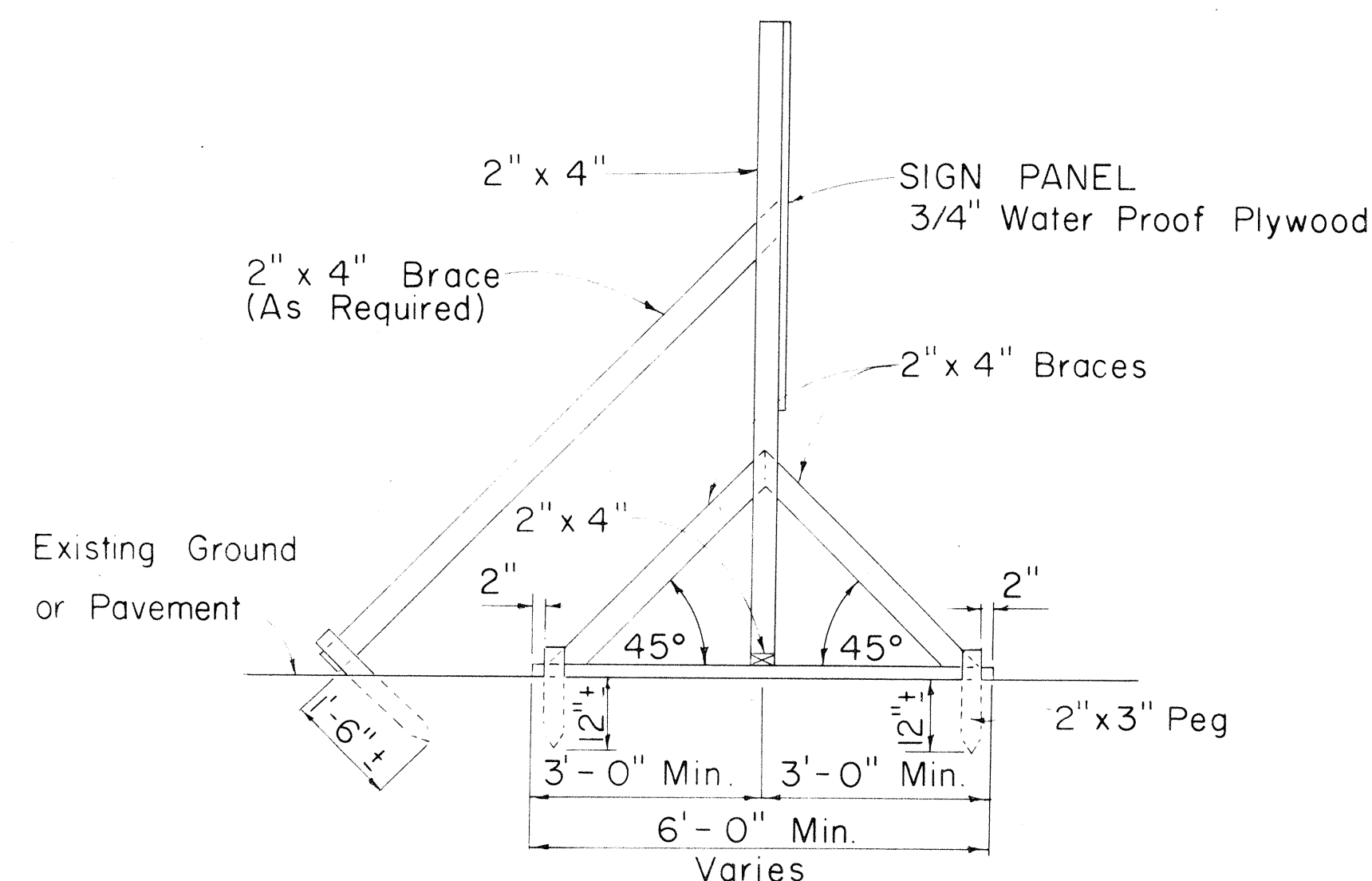
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	110-02-70	1960	11	22



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

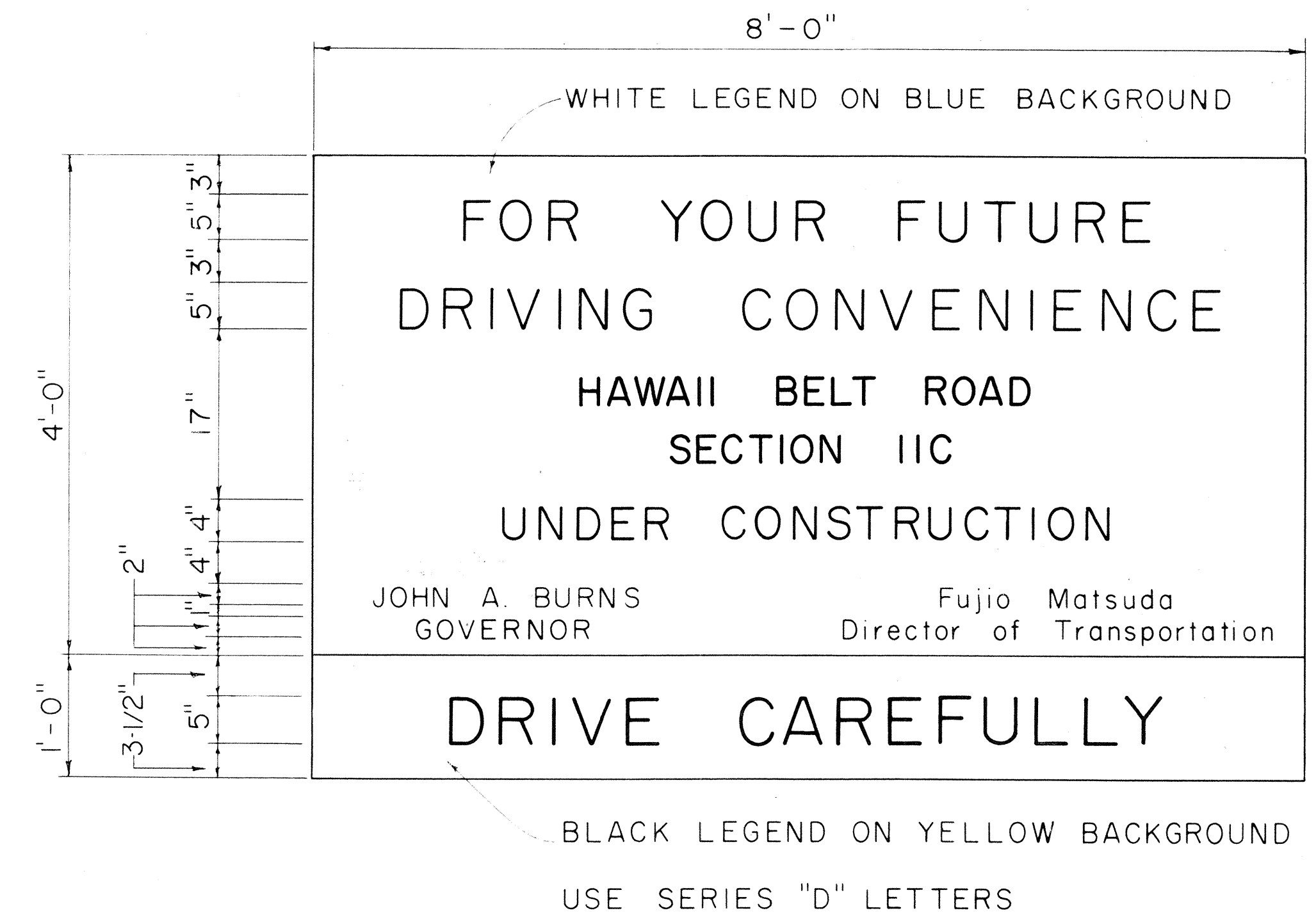


SIDE VIEW  
(SIGN SUPPORT AND FRAME WEIGHTED DOWN)  
Scale: 1/2" = 1'-0"



SIDE VIEW  
(SIGN SUPPORT AND FRAME ANCHORED IN GROUND)  
Scale: 1/2" = 1'-0"

**SIGN SUPPORT AND FRAME**  
Scale: As Shown



#### GENERAL NOTES

1. The sign panels will be constructed by the State and will be available for pick up by the Contractor from the State Highway Maintenance Yard.
2. The Contractor shall construct the sign supports and frames and install the sign panels at the locations shown on the plans and as ordered by the Engineer.
3. At the end of construction the Contractor shall remove the sign panels and return it to the State Highway Maintenance Yard. Sign supports and frames shall be removed and cleared from the project site.

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**TYPICAL DETAILS**

**PROJECT INFORMATION SIGN**

Scale: As Shown

SHEET No. 4 OF 4 SHEETS