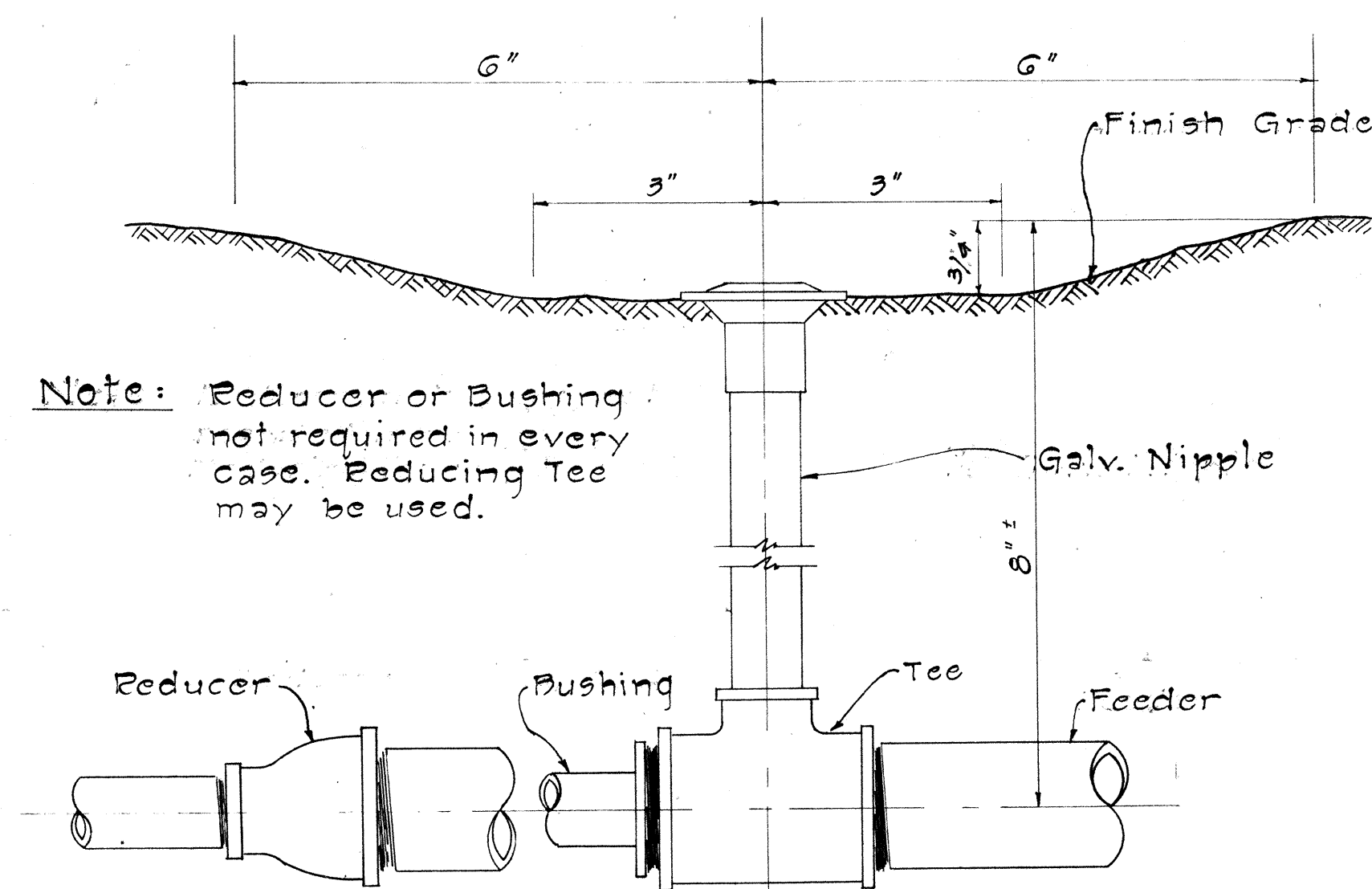
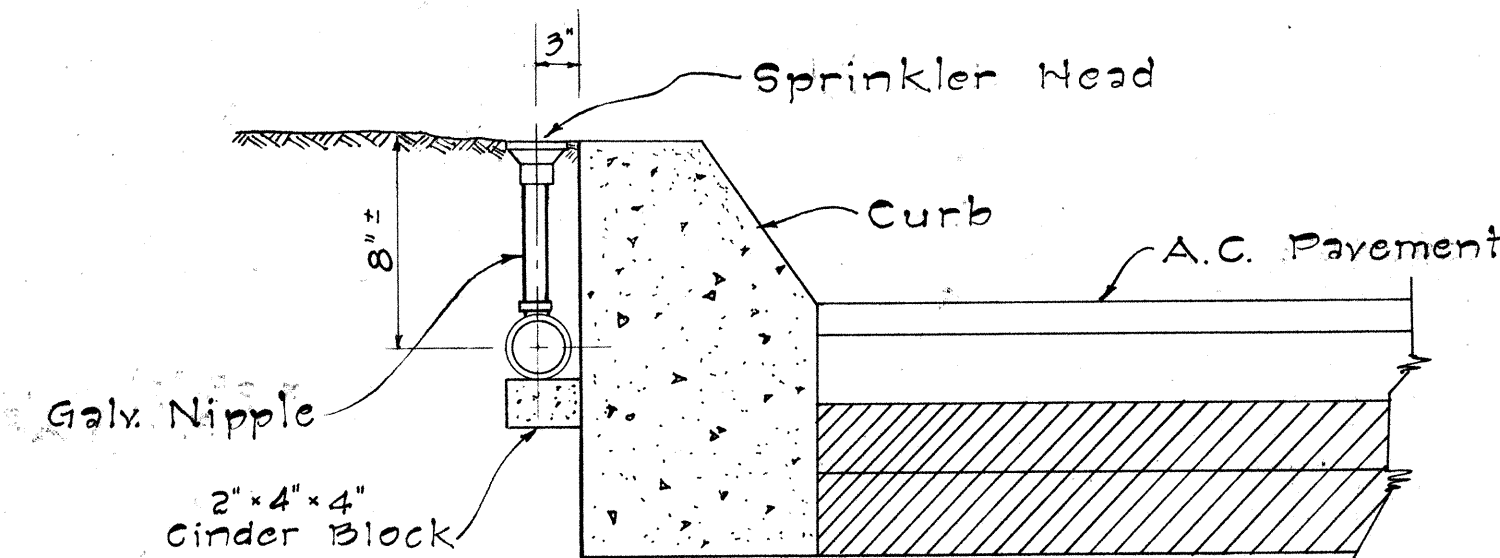
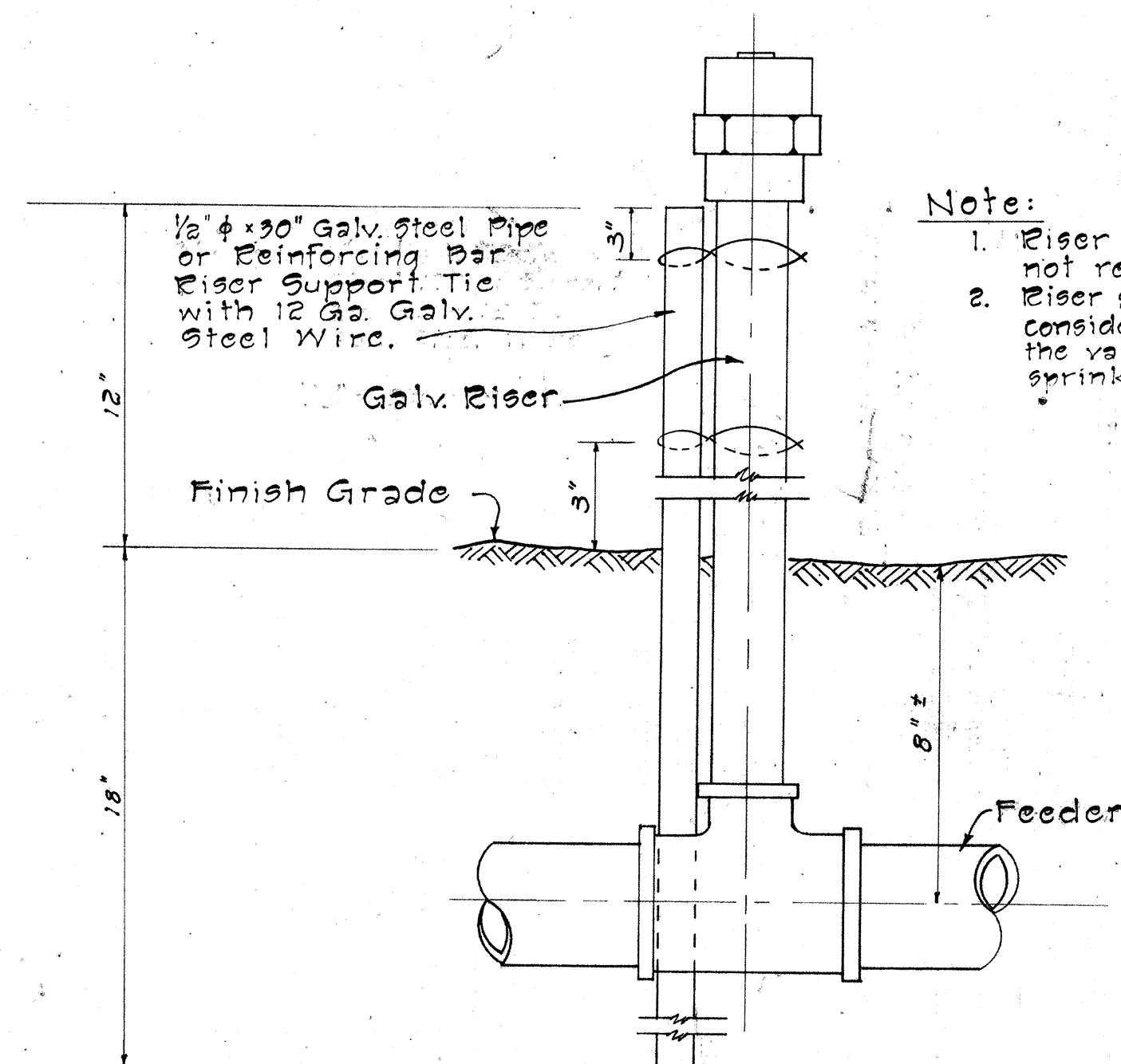




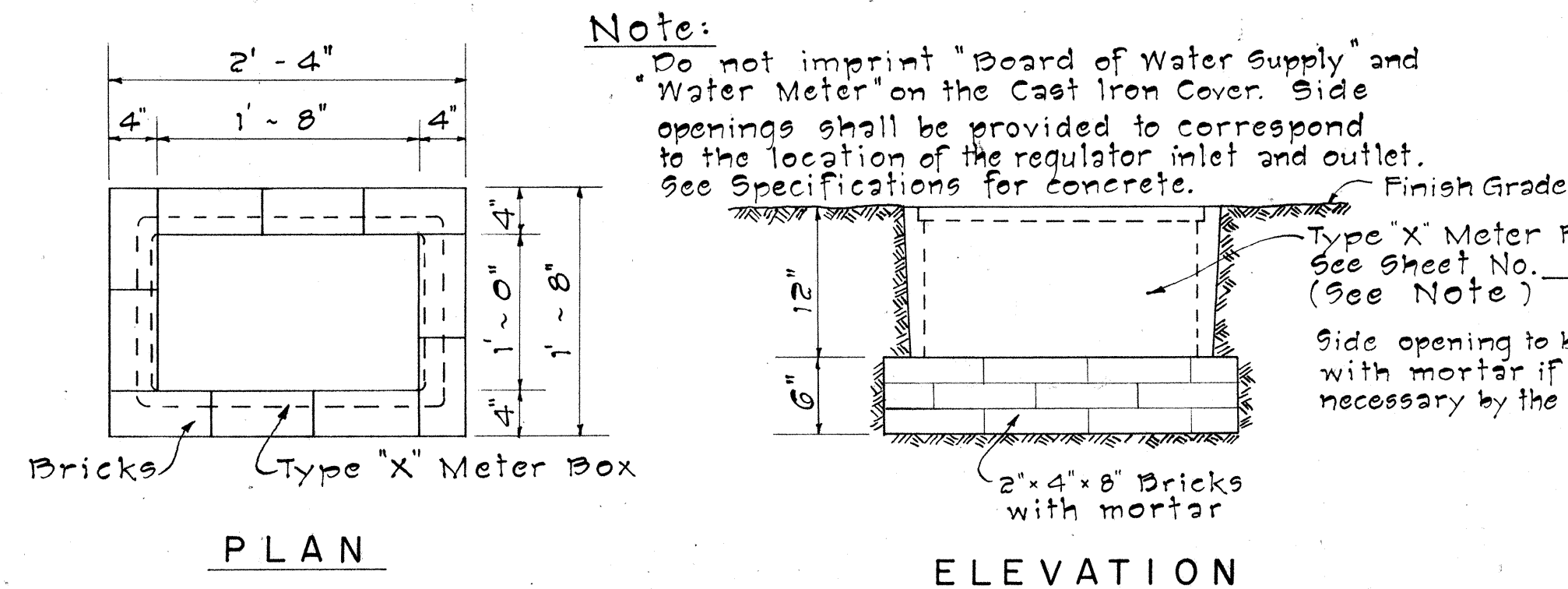
CONNECTION OF SPRINKLER HEAD TO FEEDER
Not to Scale



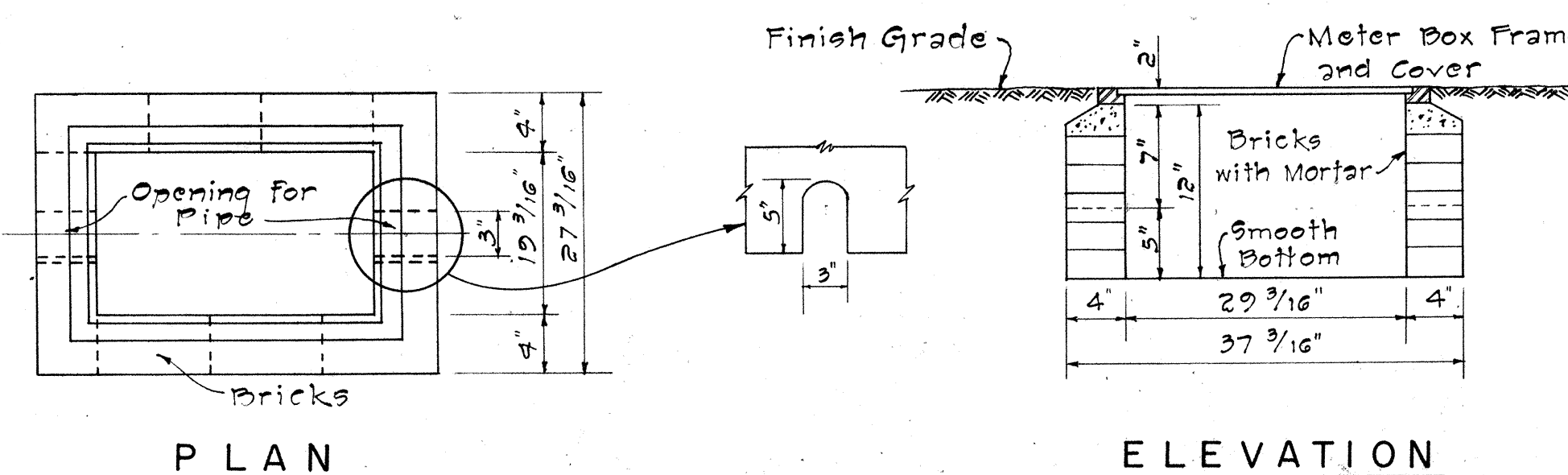
TYPICAL DETAIL OF SPRINKLER HEAD AT CONC. CURB
Not to Scale



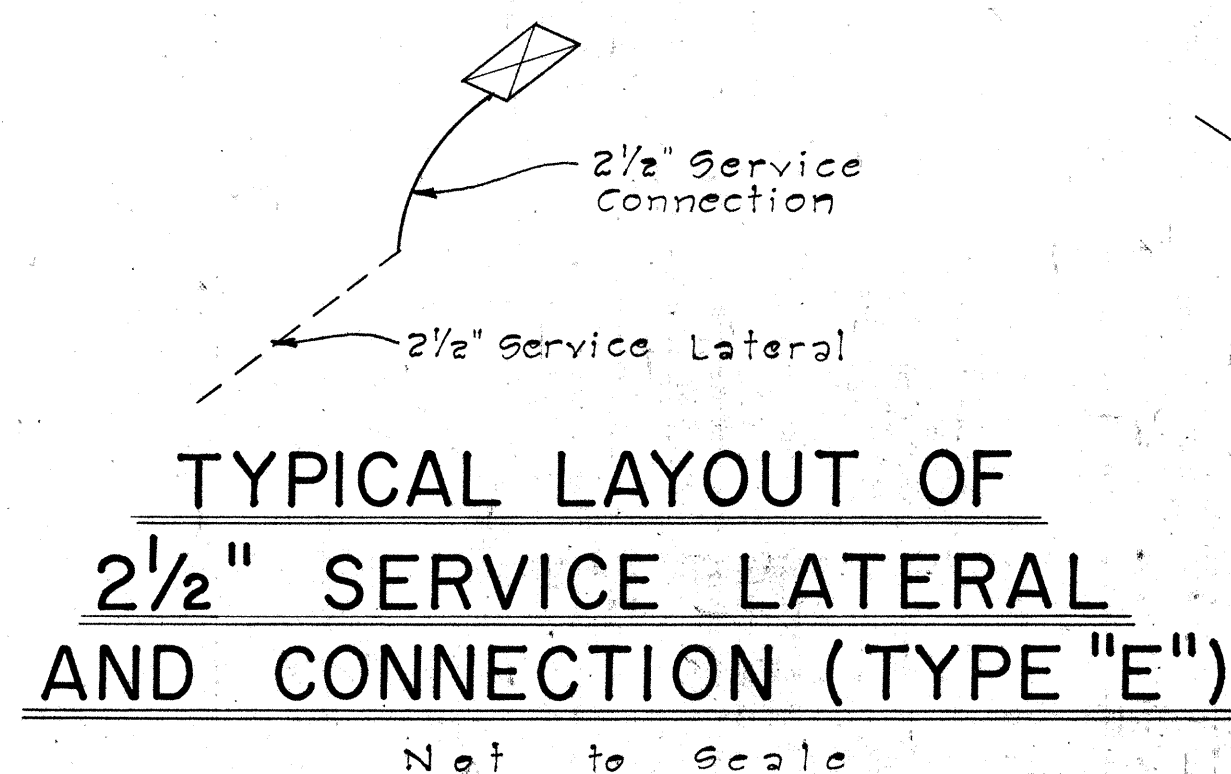
DETAIL OF SPRINKLER HEAD ON RISER
Not to Scale



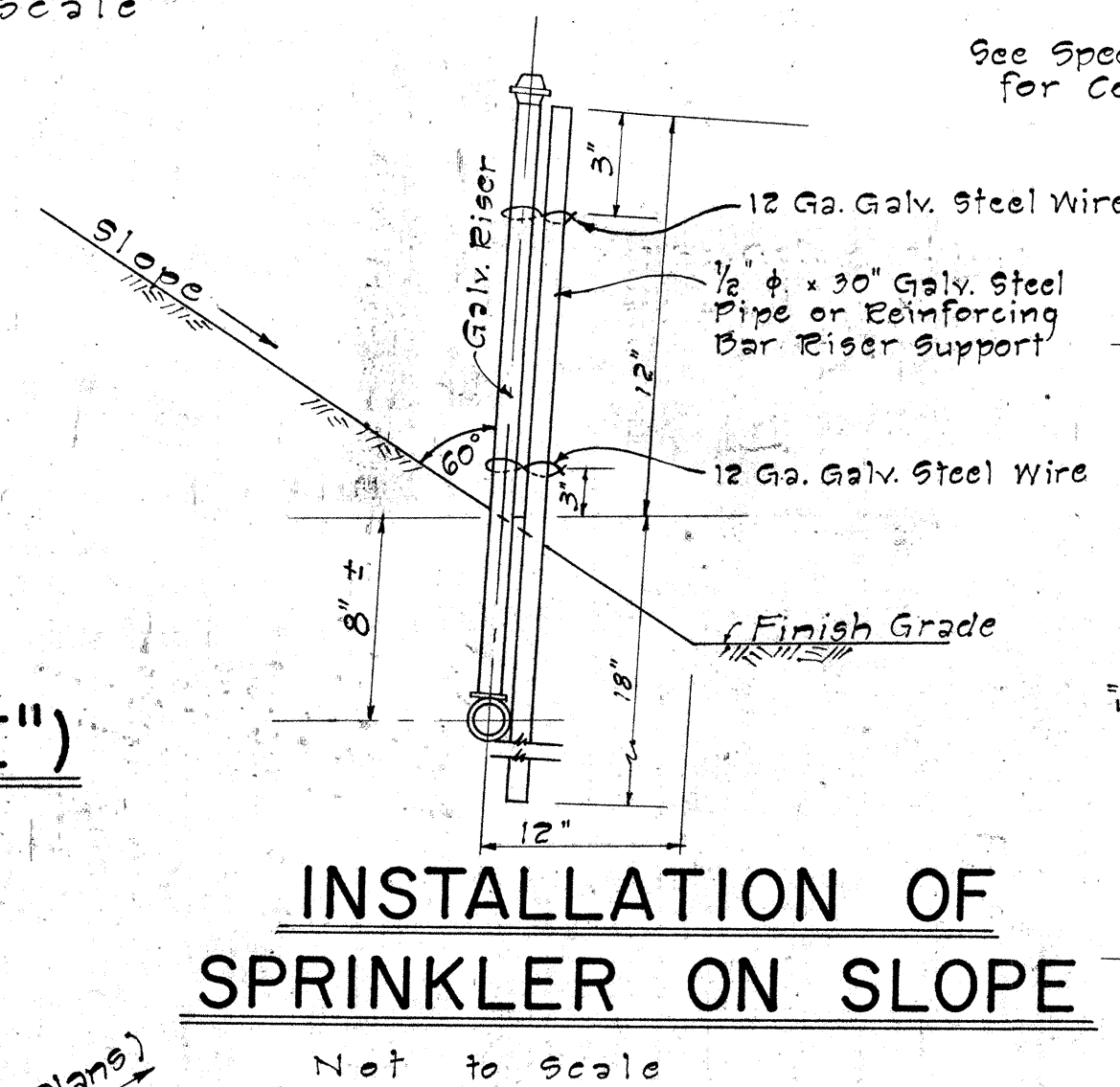
PRESSURE REGULATOR BOX
Not to Scale



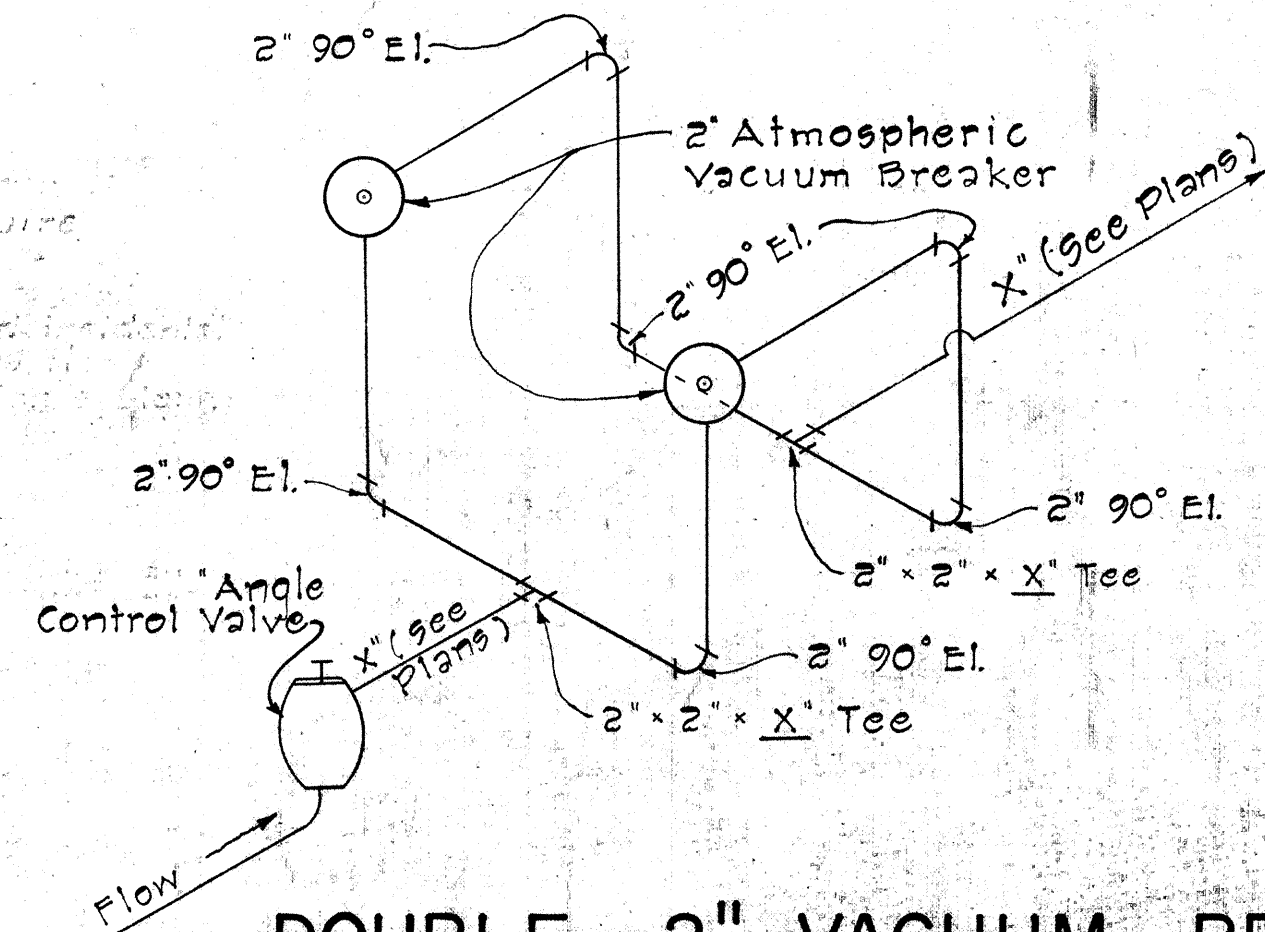
TYPE III METER BOX
Not to Scale



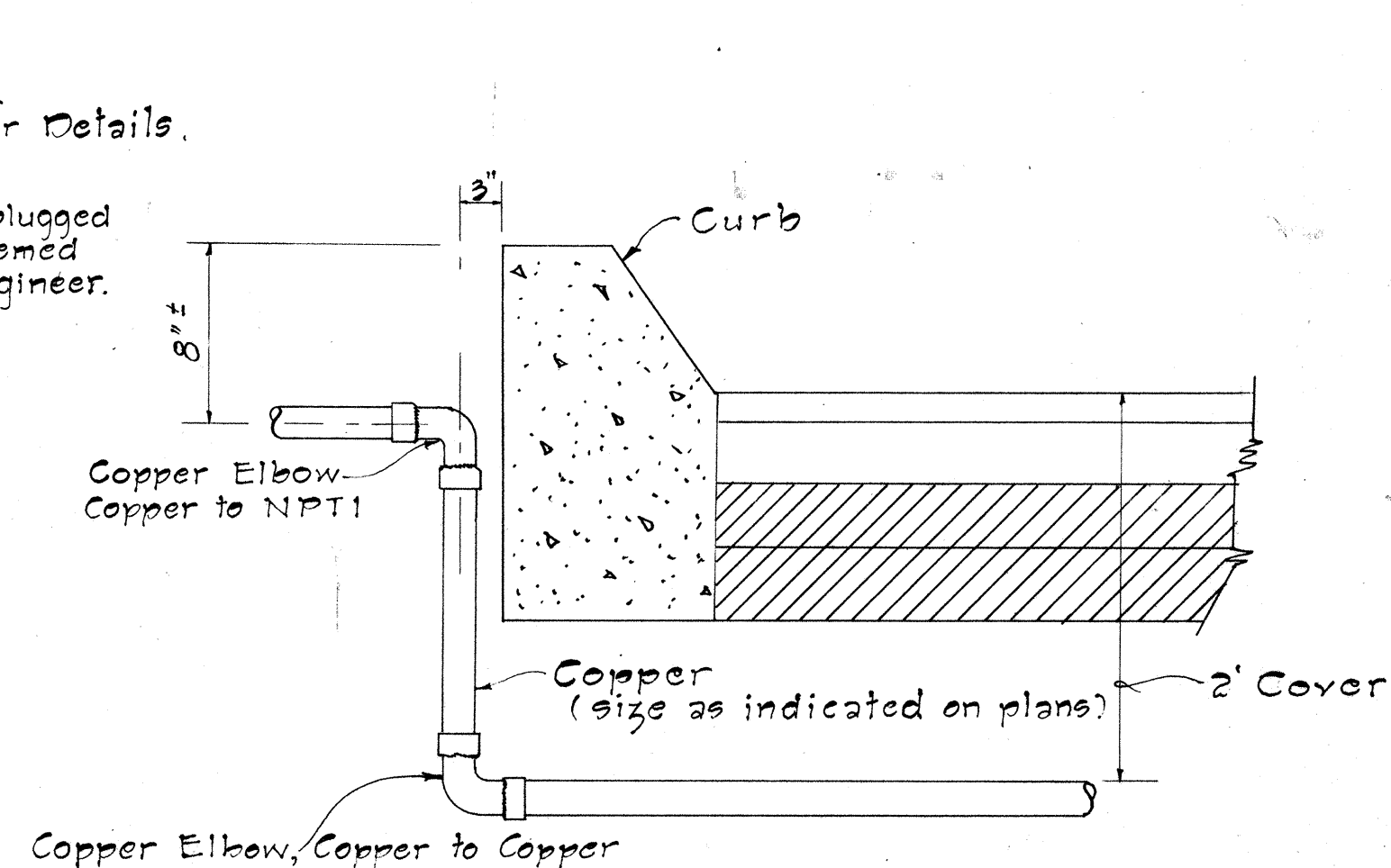
TYPICAL LAYOUT OF 2 1/2" SERVICE LATERAL AND CONNECTION (TYPE "E")
Not to Scale



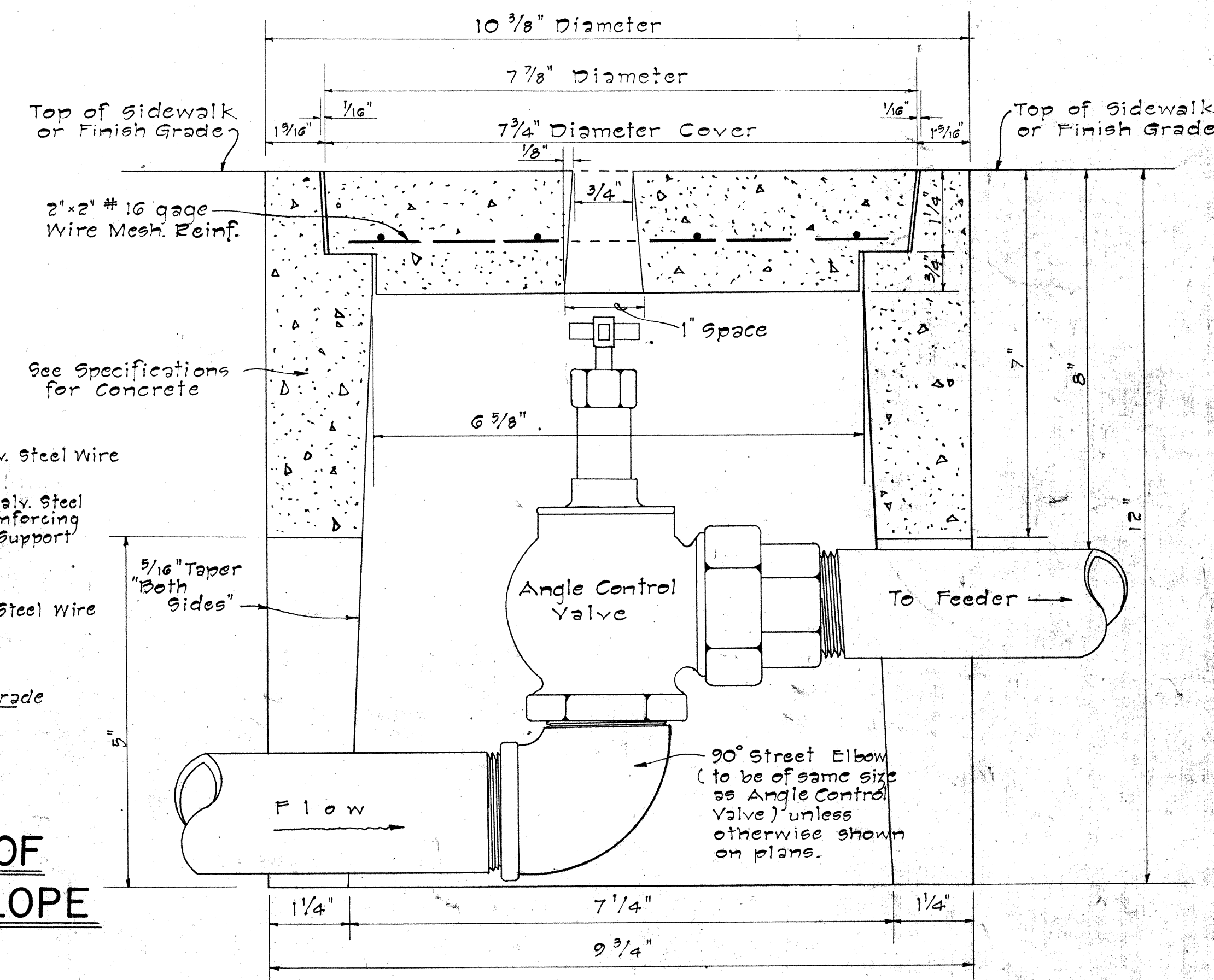
INSTALLATION OF SPRINKLER ON SLOPE
Not to Scale



DOUBLE - 2" VACUUM BREAKER (ATMOSPHERIC TYPE)
Not to Scale



TYPICAL DETAIL OF ROADWAY CROSSING
Not to Scale



TYPE "A" VALVE BOX
Not to Scale

- Notes:**
1. Location of side openings shall correspond to the location of the valve inlet and valve outlet.
 2. When the angle control valve is located in the sidewalk area, the valve shall be located at a sufficient depth so as to allow the cover to be replaced with the valve wide open.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS

Proj. No. 90C-03-69

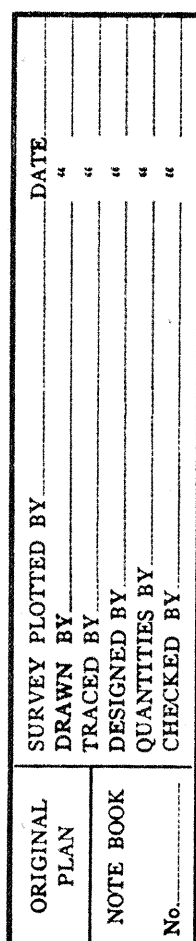
Scale: As Shown Date: April, 1969

SHEET No. 1 OF 6 SHEETS

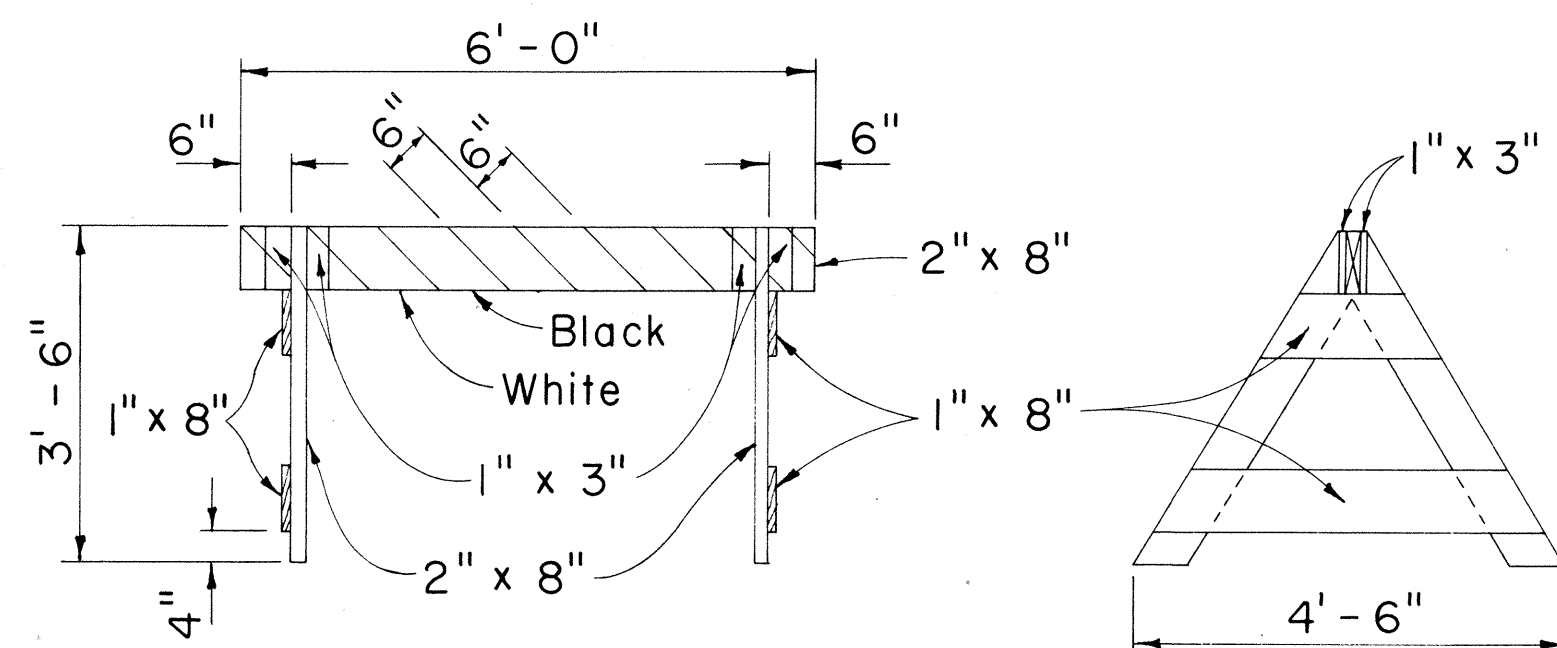
DD-C-6.7

ORIGINAL PLAN	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

DD-2-6-7

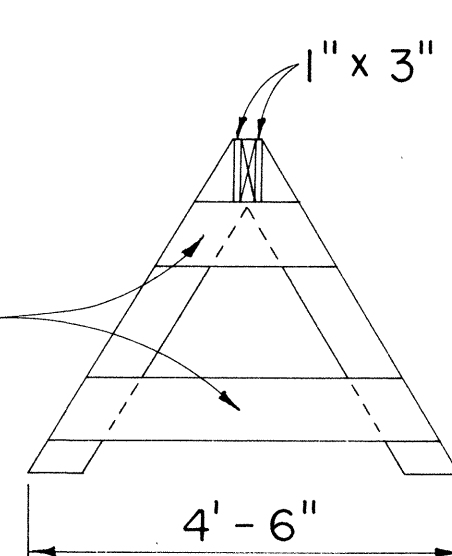


PLAN VIEW



CLASS II BARRICADE

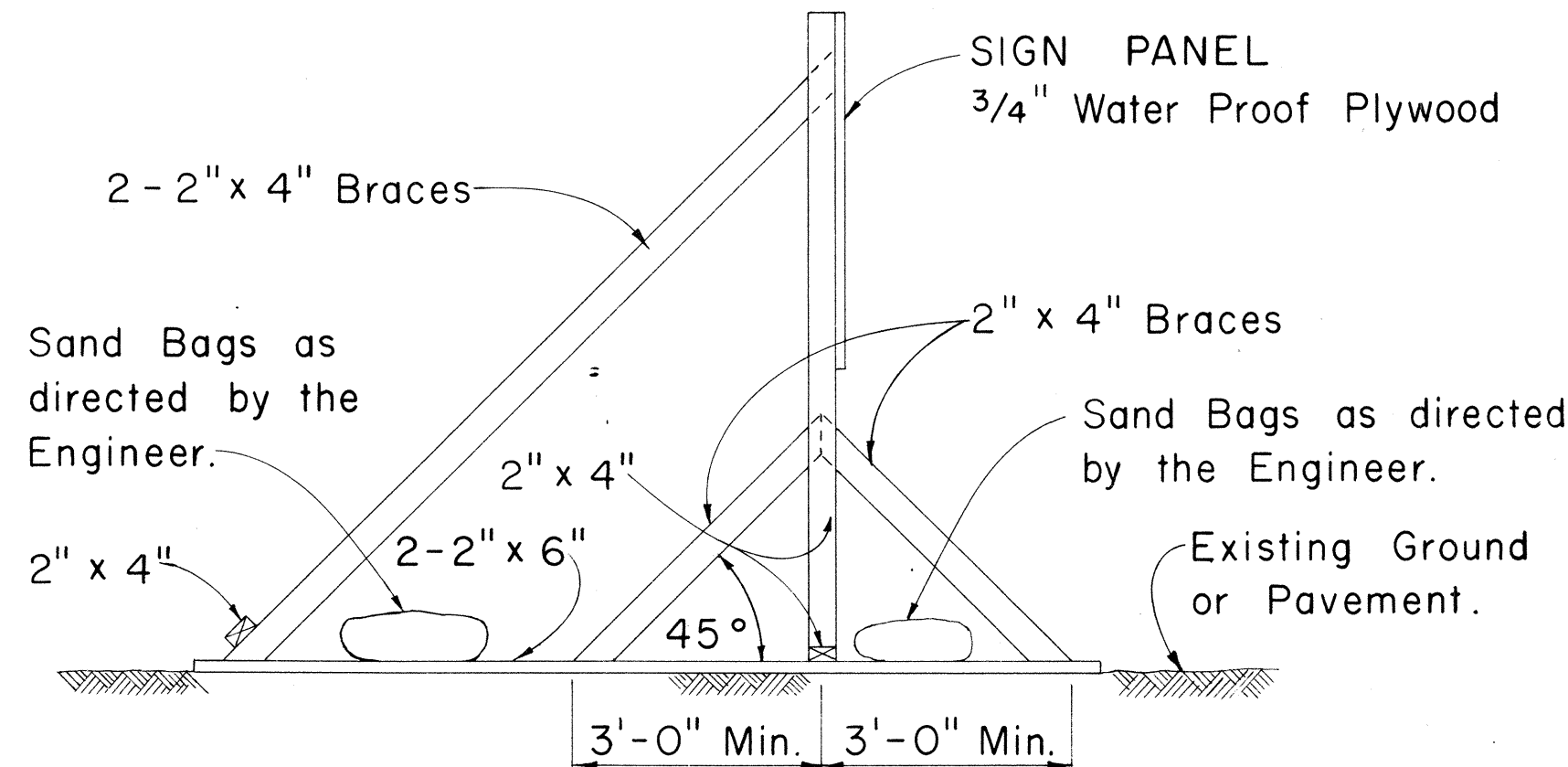
Scale: $1/2'' = 1'-0''$



END VIEW

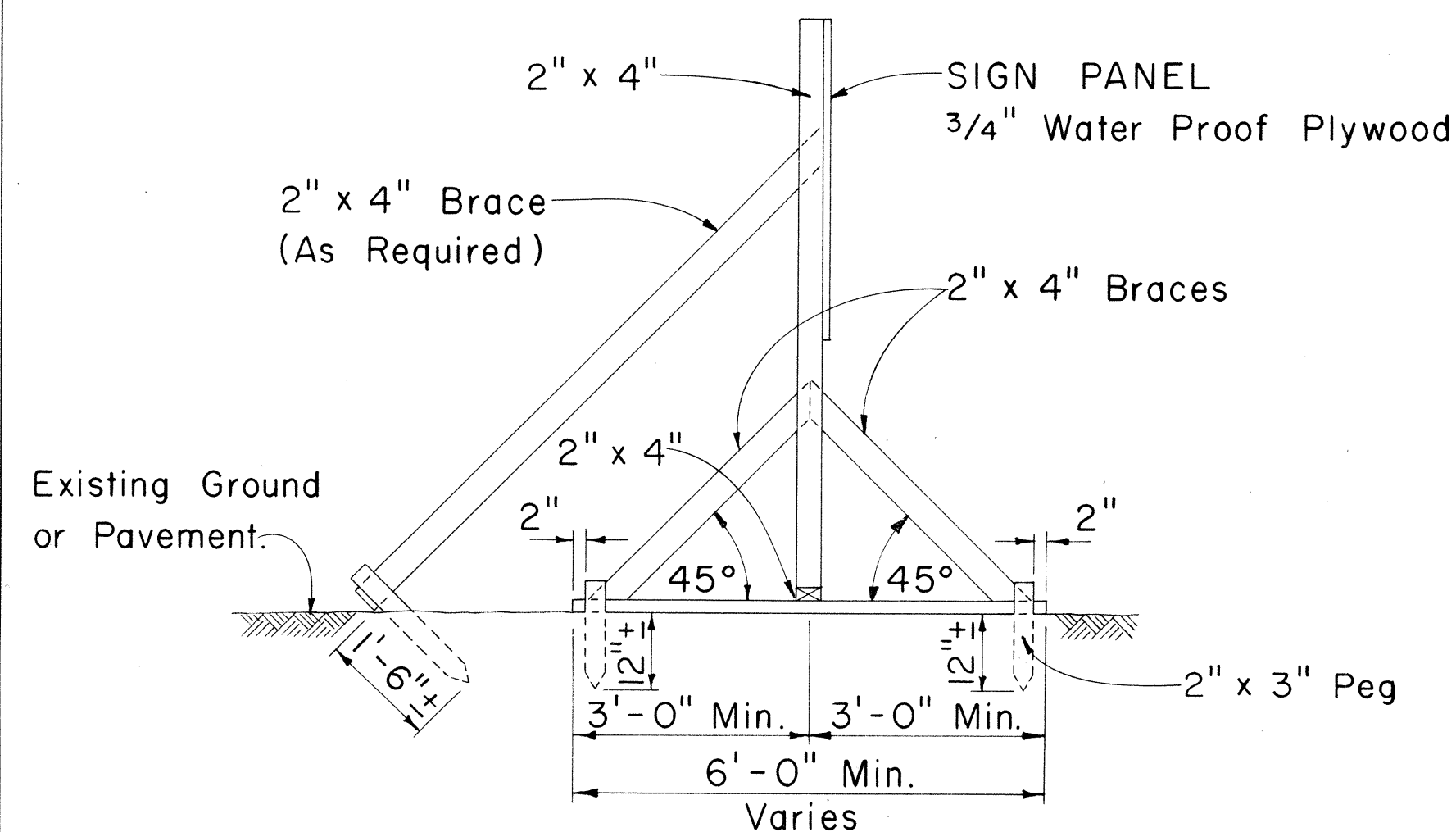
SIDE VIEW

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



SIDE VIEW

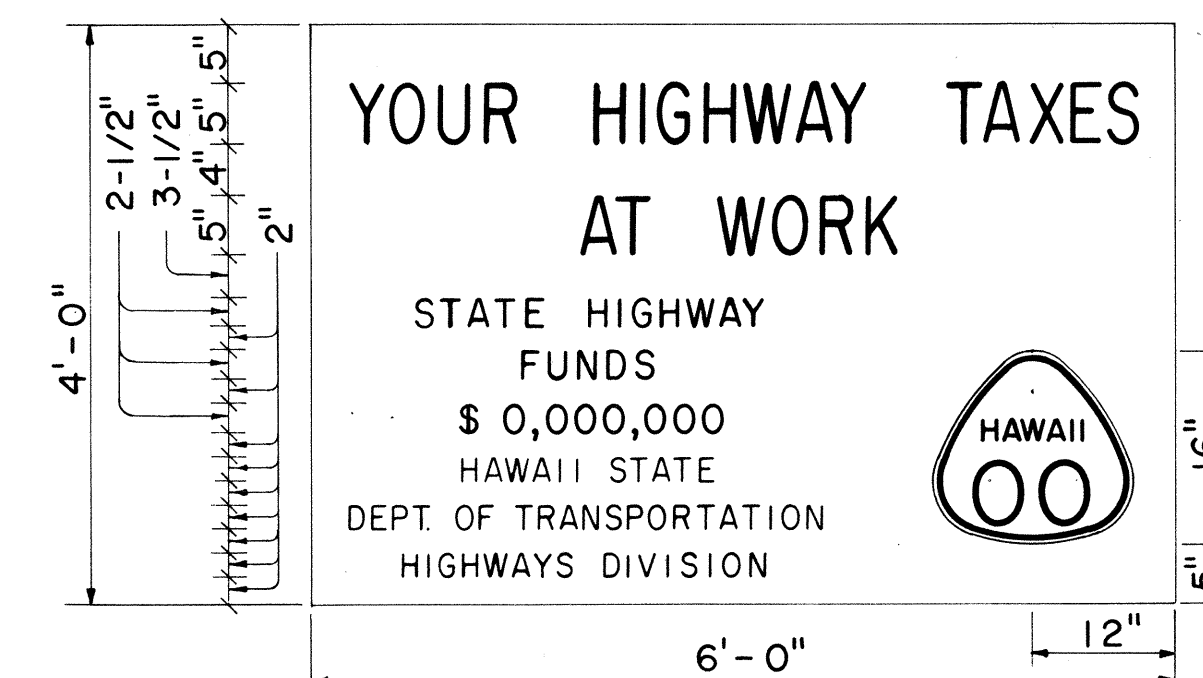
Scale: $1/2" = 1'-0"$



SIDE VIEW

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

Scale: As Shown



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

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

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. 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
4. The Contractor shall fill in the proper numerals in place of ciphers as ordered by the Engineer.

TYPICAL DETAILS
CONSTRUCTION IDENTIFICATION SIGN
AND
WOOD BARRICADES

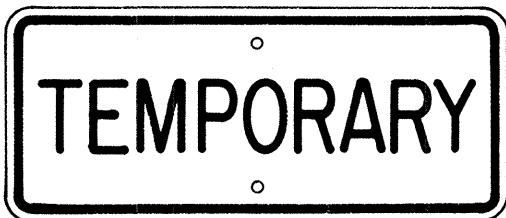
Date:

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	90C-03-69	1969	8	11

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:

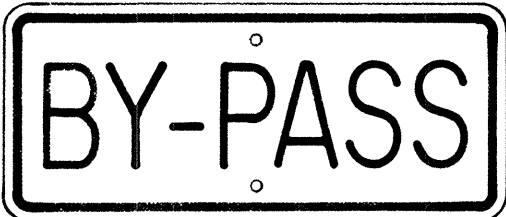
M6-1-N : NORTH
 M6-1-E : EAST
 M6-1-S : SOUTH
 M6-1-W : WEST
- Auxiliary markers denoted with the suffix "I" (M4-1-I) shall have a white legend on a blue background.
- Cardinal Direction Marker (M6-1) with suffix I (3) shall have a white legend on a blue background and shall be 30"x 15" in size.
- For M1-3 and M1-4 signs, number in () indicates route number and shall be as shown on the plan.



M5-1
21"x 9"



M5-2
21"x 9"



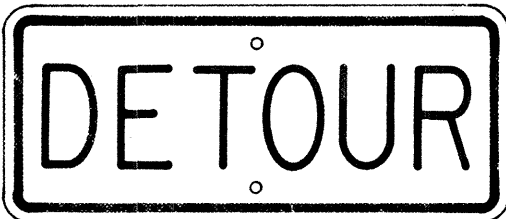
M5-3
21"x 9"



M5-4
21"x 9"



M5-5
21"x 9"



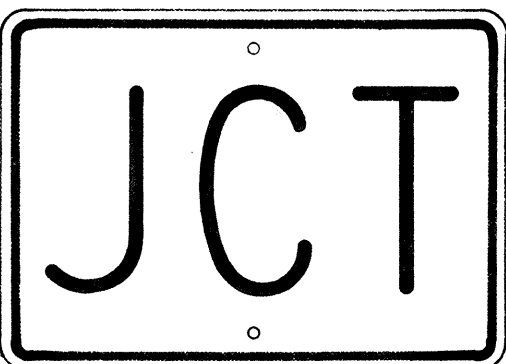
M5-6
21"x 9"



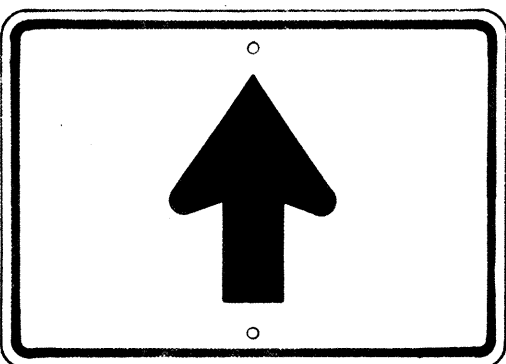
M6-1-N
21"x 9"
(See Note 6)



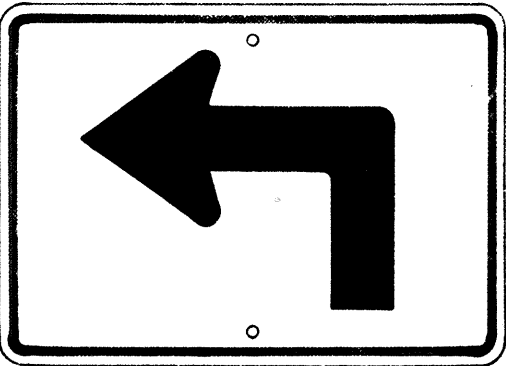
M7-1
18"x 12"



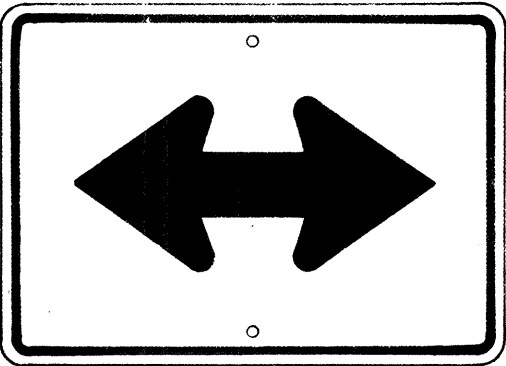
M2-1
21"x 15"



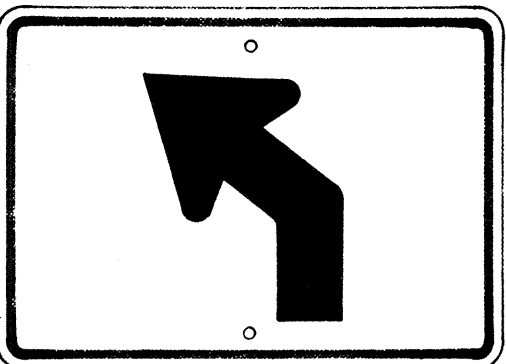
M4-3
21"x 15"



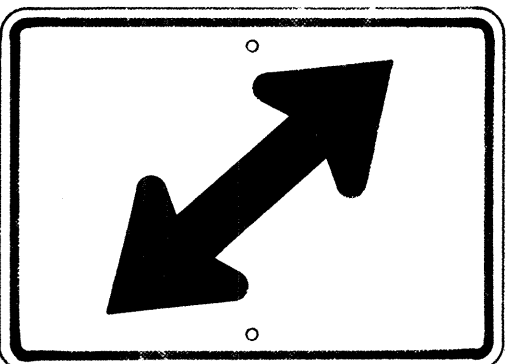
M3-1-L
* M3-1-R
21"x 15"



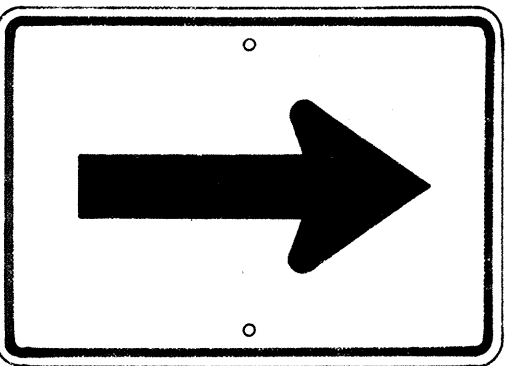
M4-4
21"x 15"



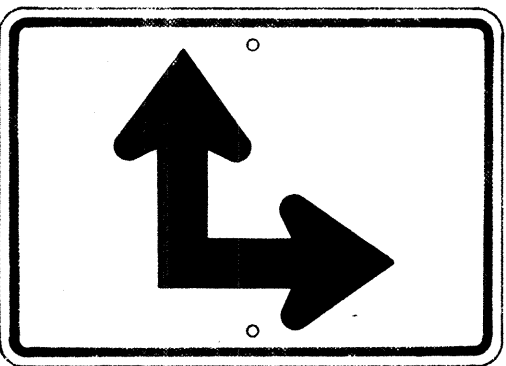
M3-2-L
* M3-2-R
21"x 15"



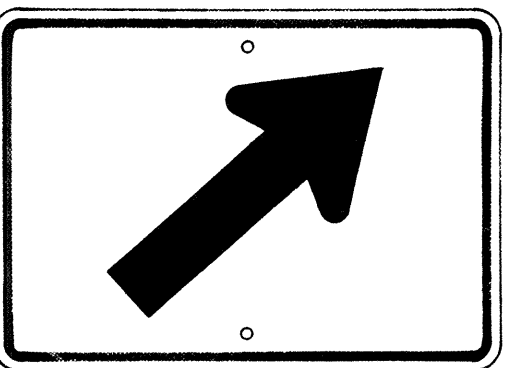
M4-5-R
* M4-5-L
21"x 15"



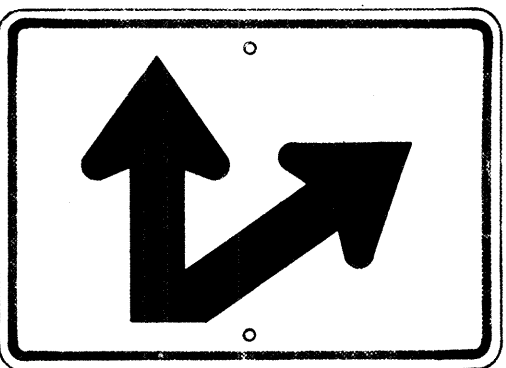
M4-1
21"x 15"



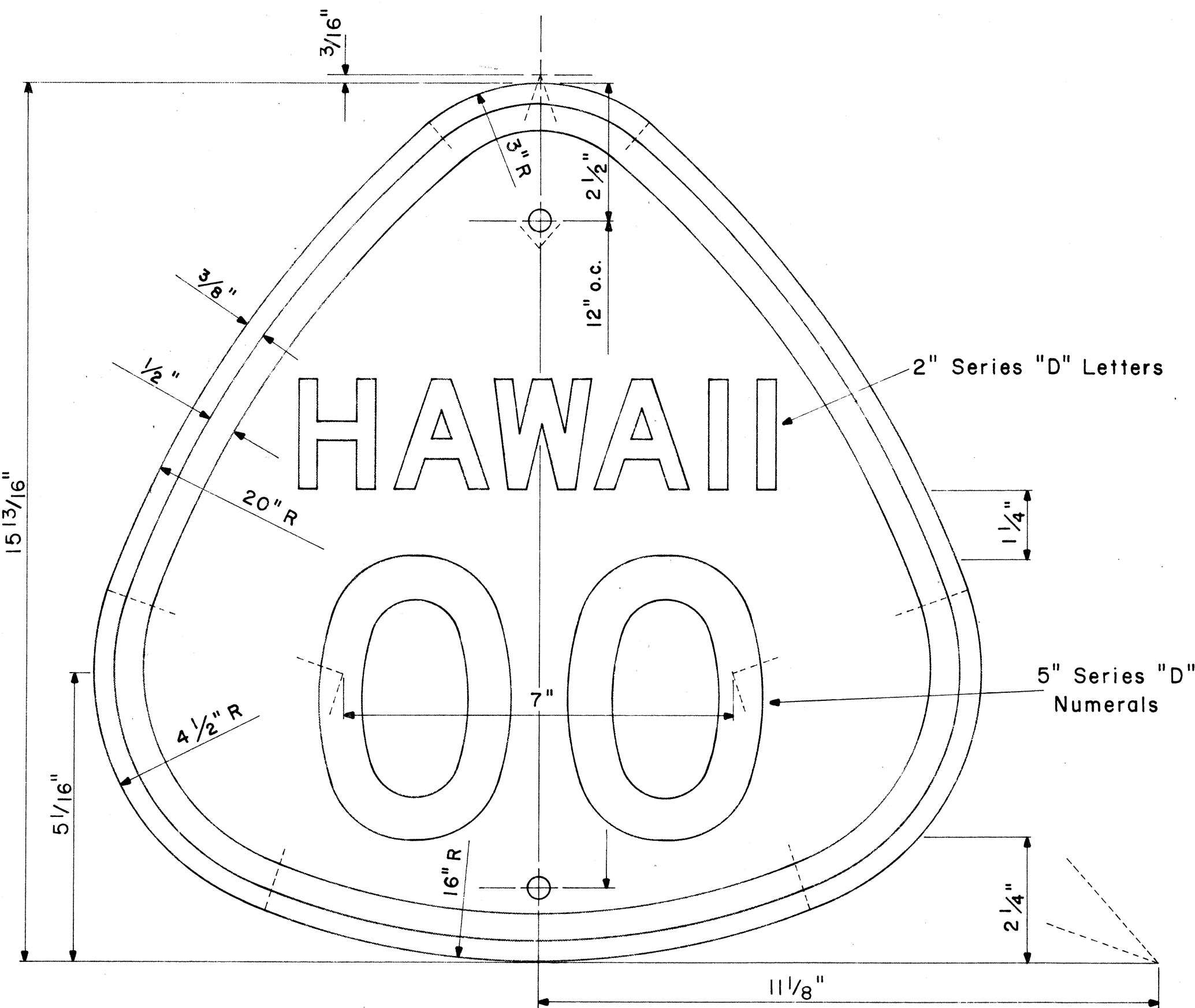
M4-6-R
* M4-6-L
21"x 15"



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

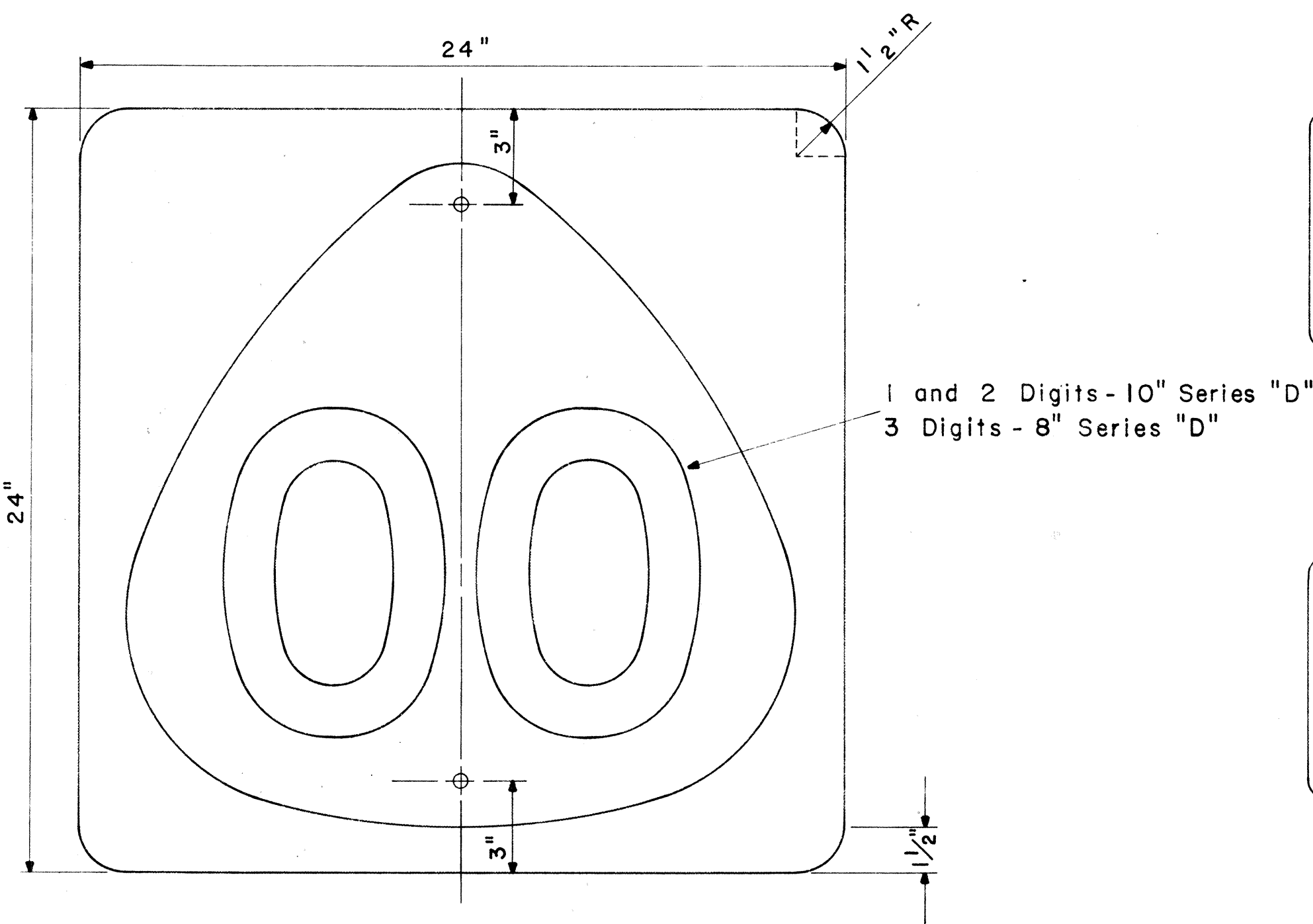


M4-7-R
* M4-7-L
21"x 15"



STATE ROUTE MARKER
M1-3(OO)

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



STATE ROUTE MARKER
M1-4(OO)

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.

AUXILIARY MARKERS

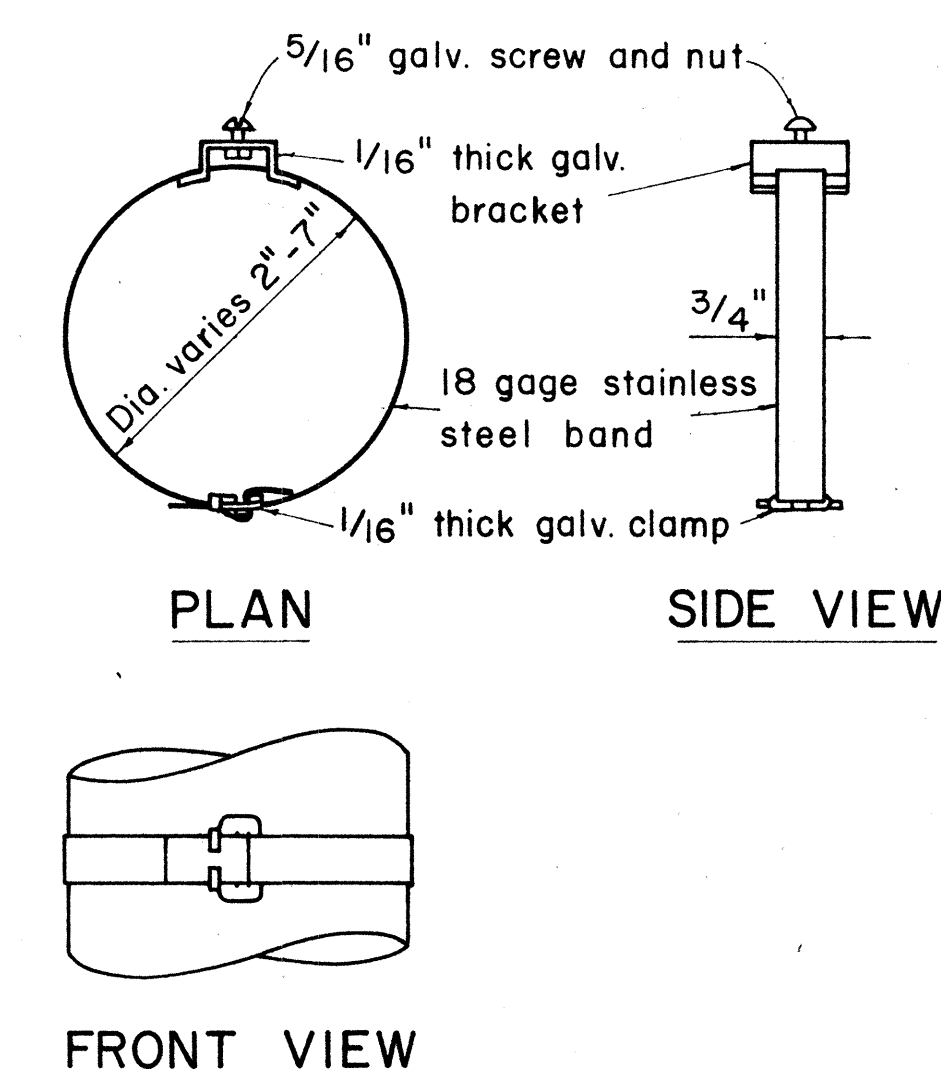
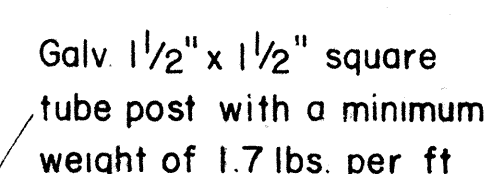
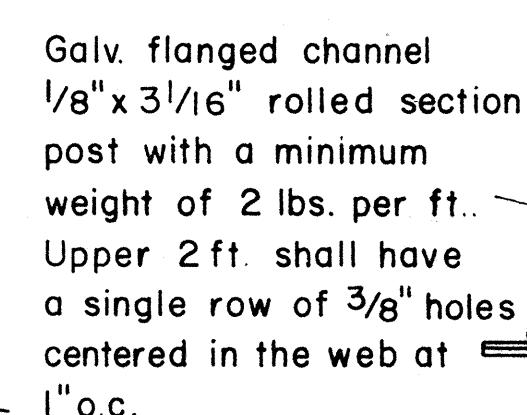
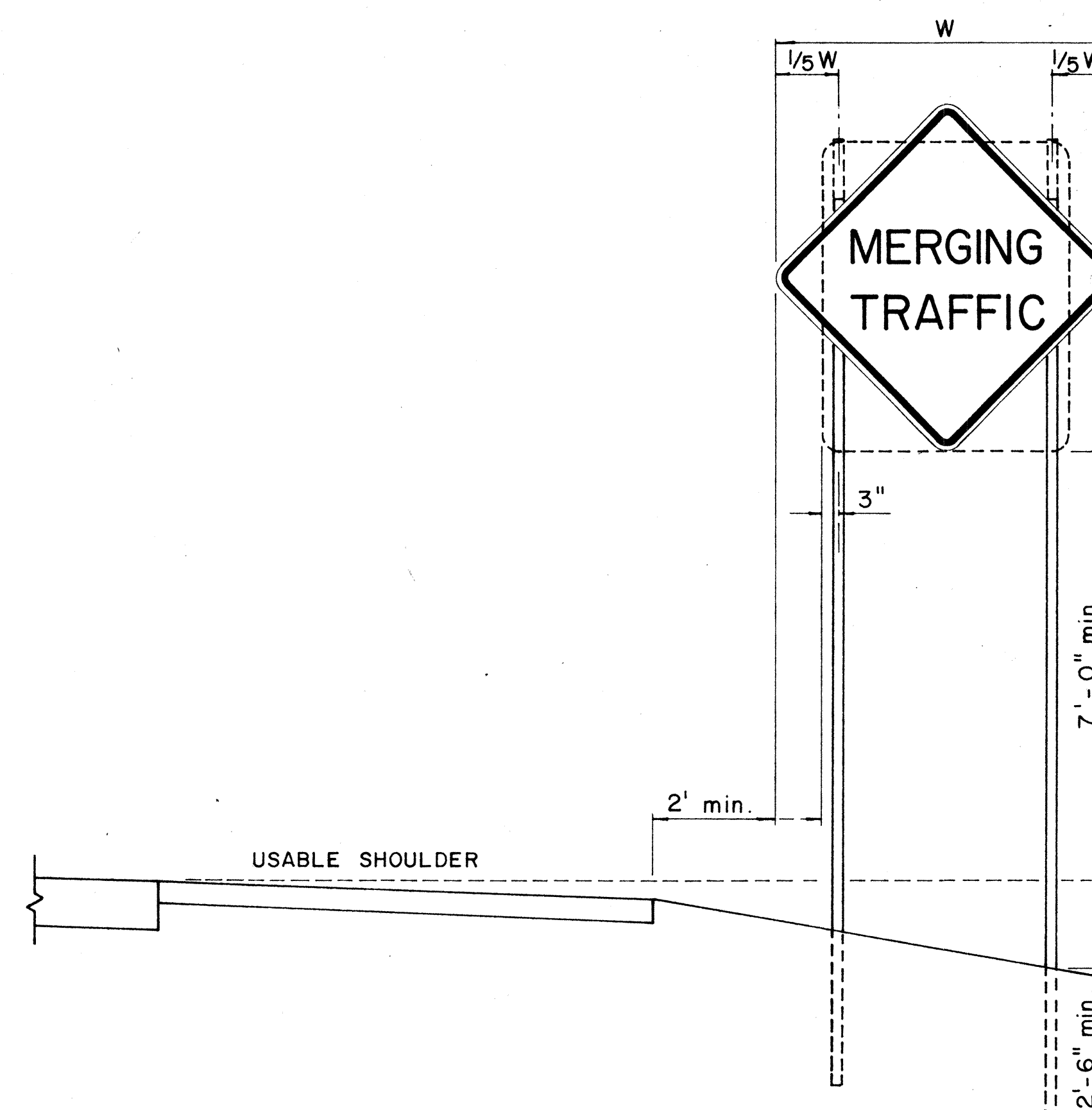
Scale: $\frac{1}{8}$ " = 1"

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

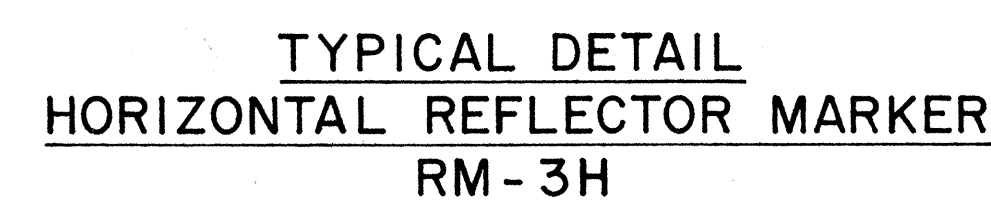
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
STATE ROUTE MARKERS
AND
AUXILIARY MARKERS
Scale: As Noted
SHEET NO 3 OF 6 SHEETS

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
NO.	

DD-C-6-7



1. Sign posts shall be 2" galv. standard pipe or 2" x 2" galv. sq. tube post.
2. 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.
3. 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.
4. Sign posts shall extend 3 1/2" above sign where required for City and County street name signs.
5. 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.
6. Clearance markers (RM-3, RM-4) shall be installed with the edge of the marker in line with the inner edge of the obstruction.
7. (R) or (L) indicates right or left and shall be as shown on the plans.



TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS

