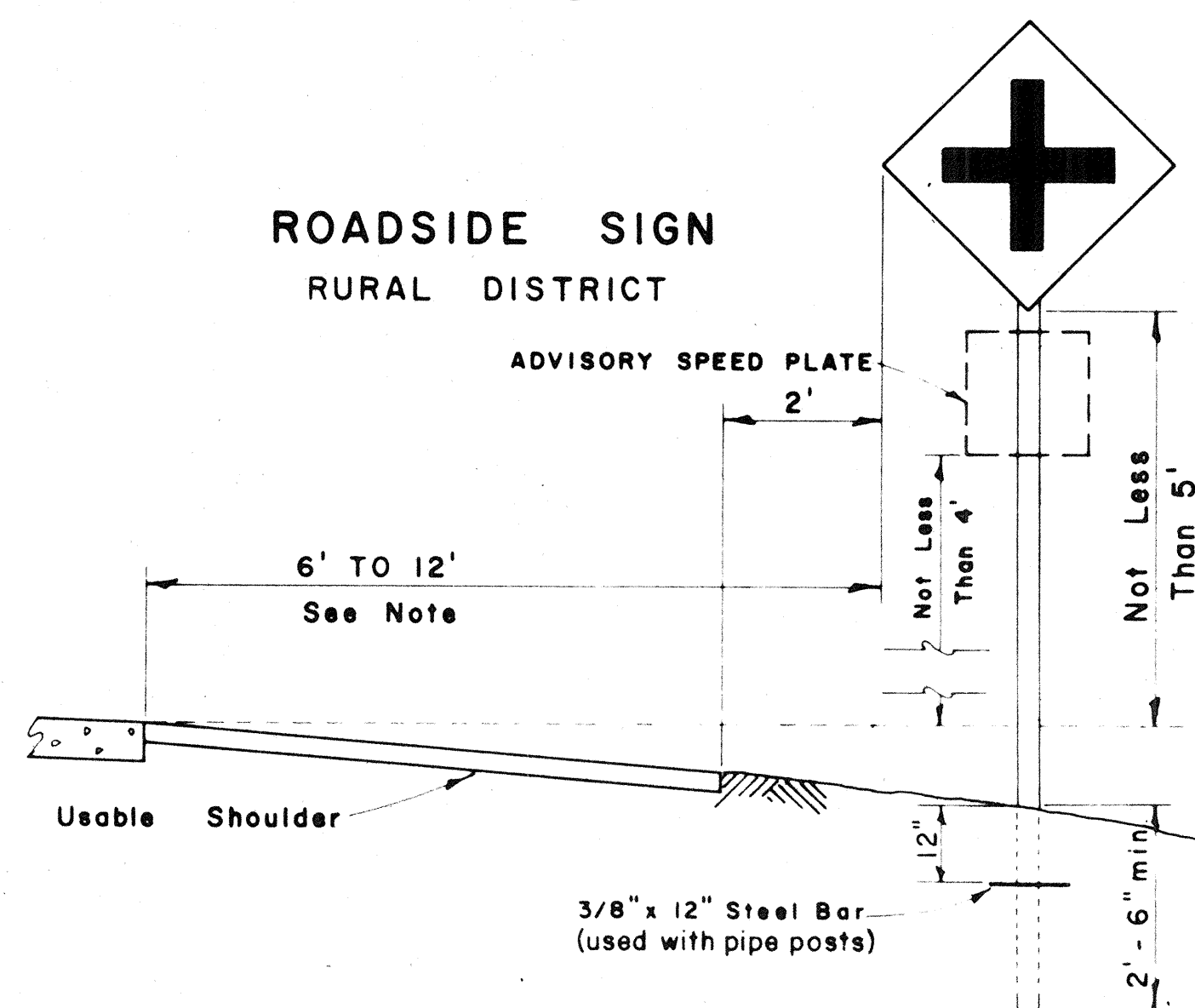
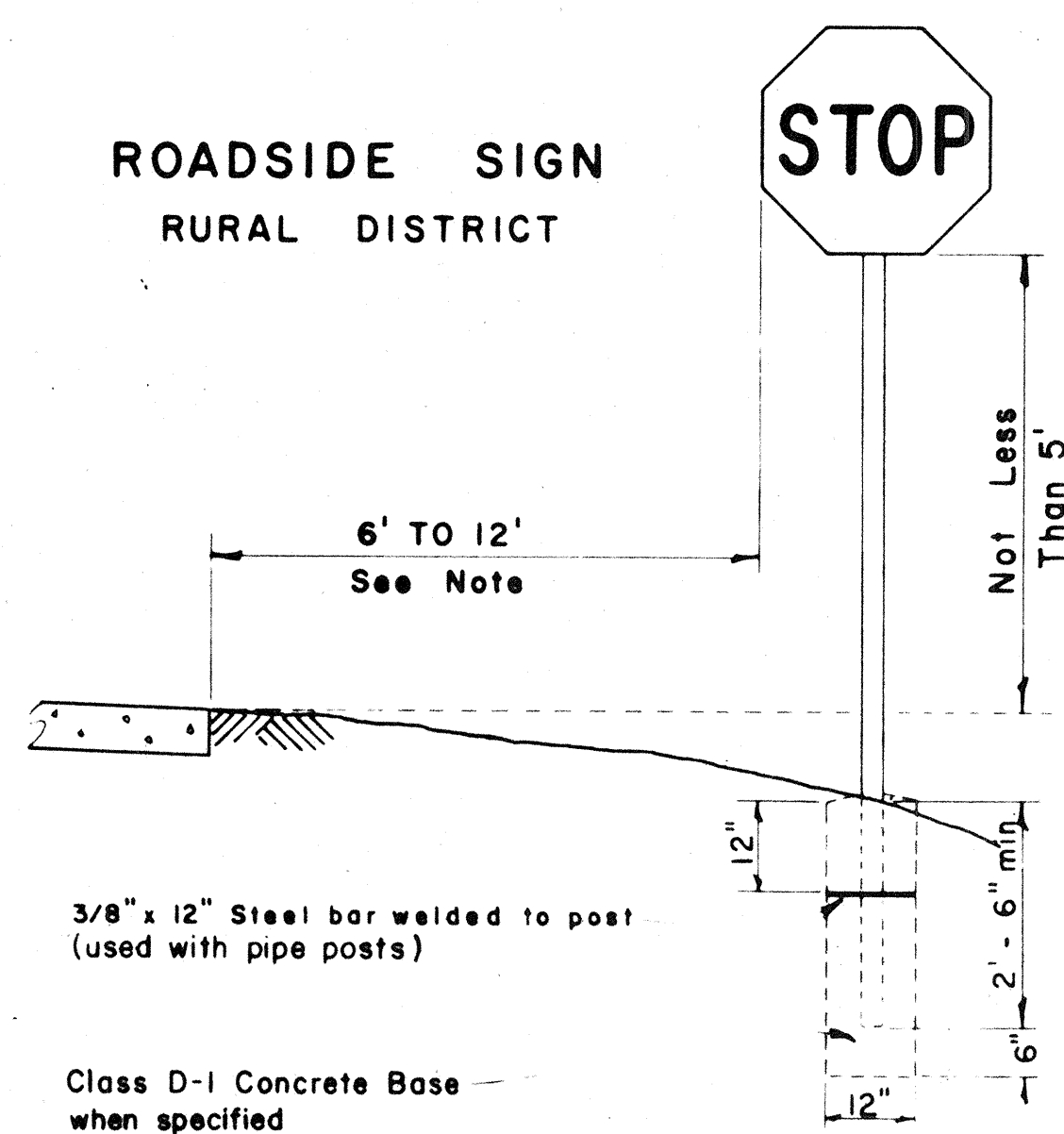
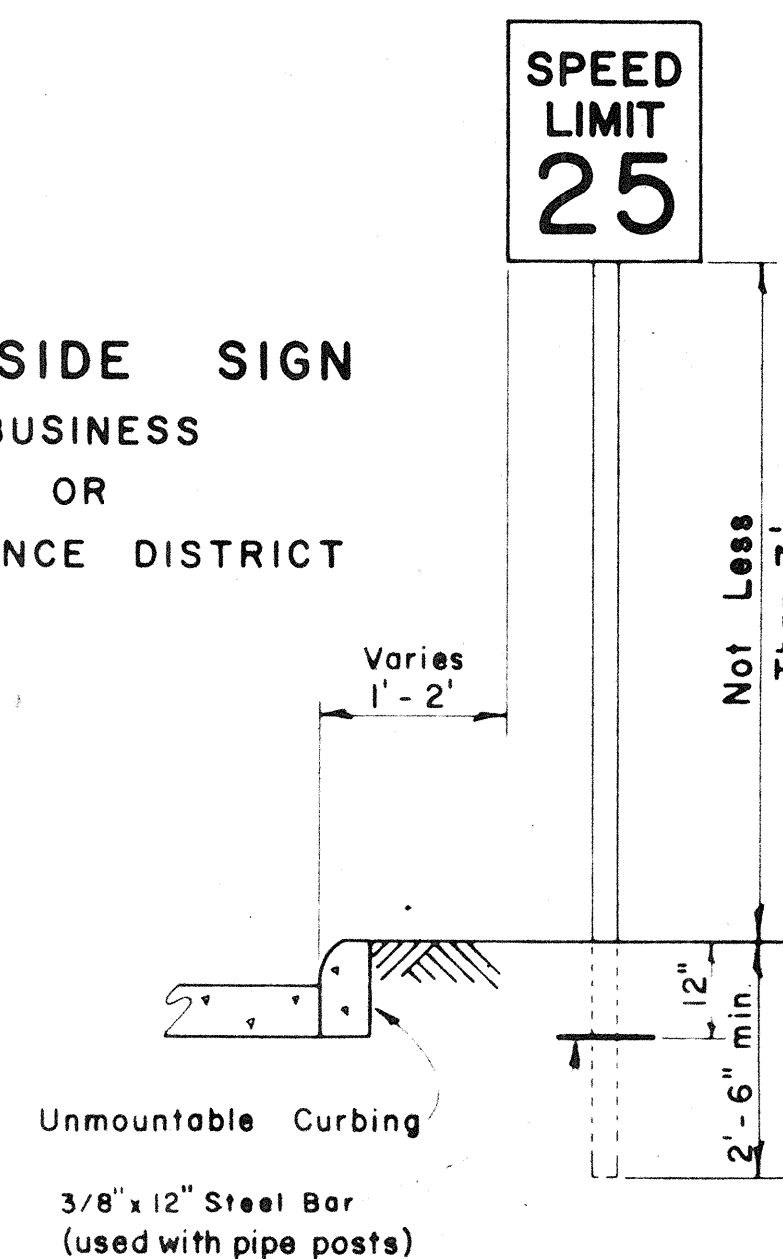




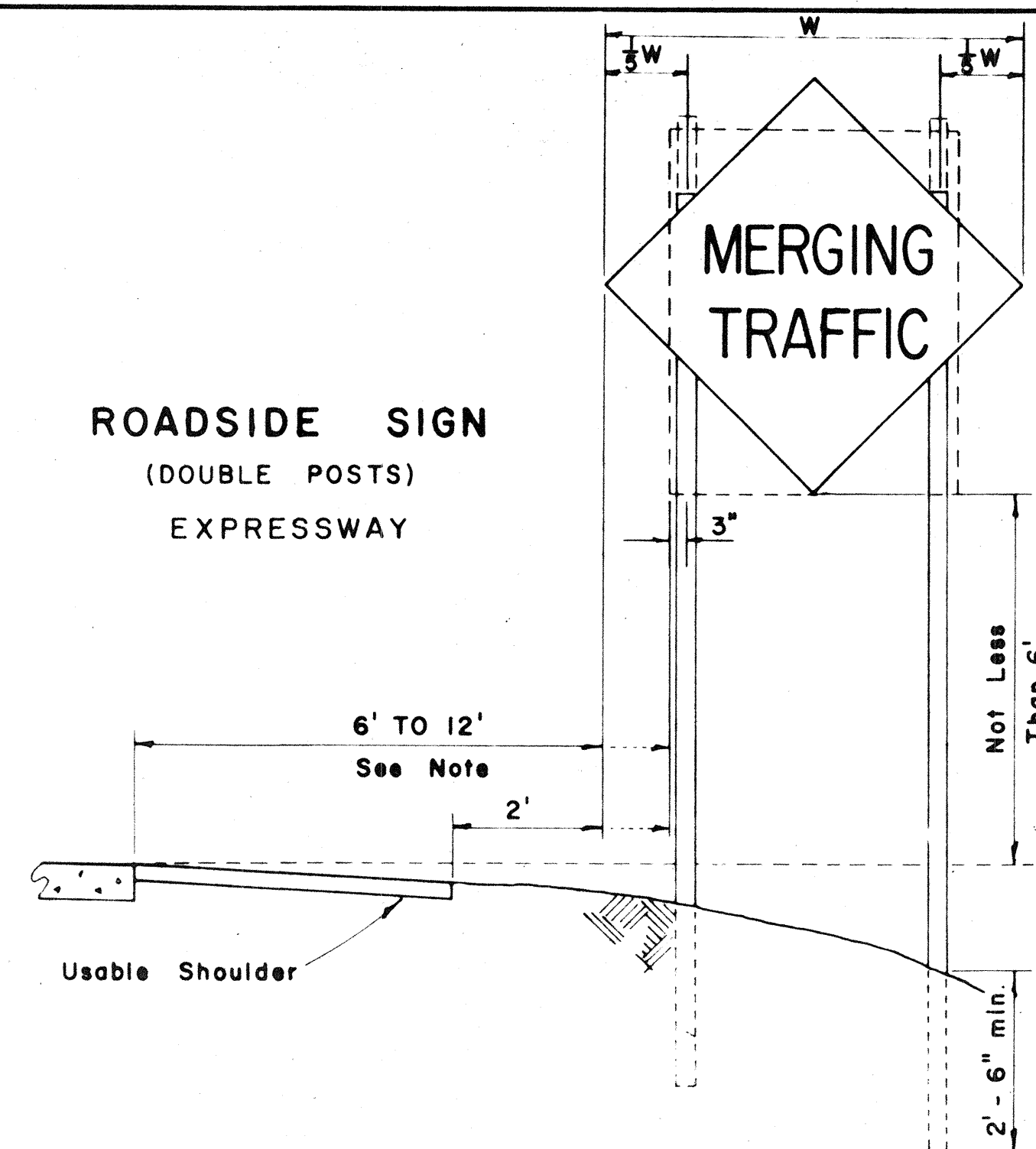
- NOTE:
- All signs and road delineators shall be placed 2' outside the usable roadway shoulder or 1' outside unmountable curbing present and within the limits shown below.
  - Except as noted below, sign posts shall be either 3" galv. std. pipe or 2 1/2" x 2 1/2" galv. square tube posts for signs larger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



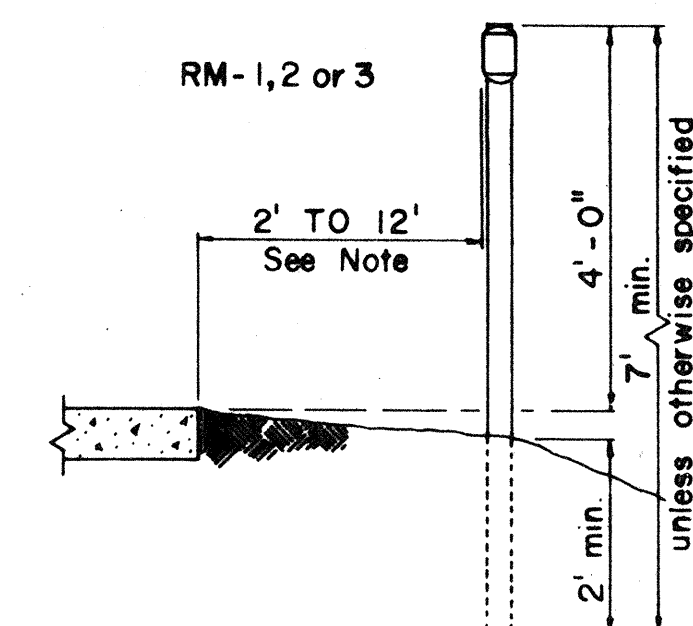
**ROADSIDE SIGN**  
BUSINESS  
OR  
RESIDENCE DISTRICT



**ROADSIDE SIGN**  
(DOUBLE POSTS)  
EXPRESSWAY

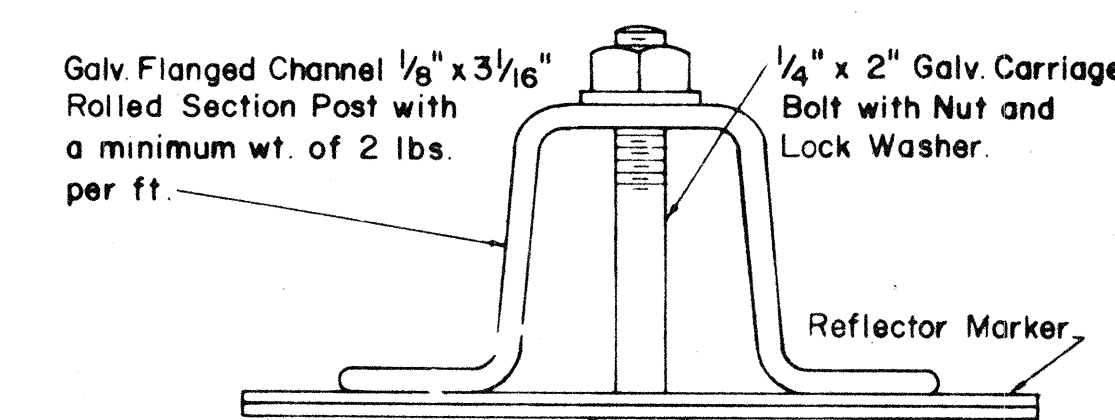


| FED. ROAD DIST. NO. | STATE | PROJ. NO.   | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-------------|-------------|-----------|--------------|
| HAWAII              | HAW   | A-580-01-64 | 1966        | 8         | 15           |



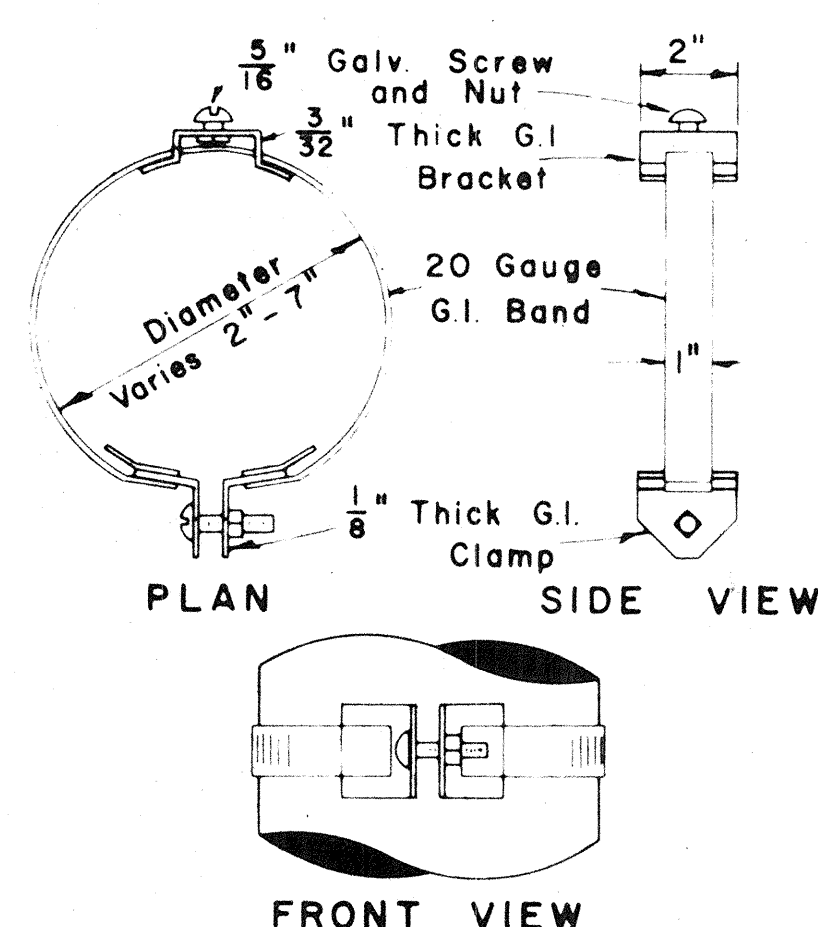
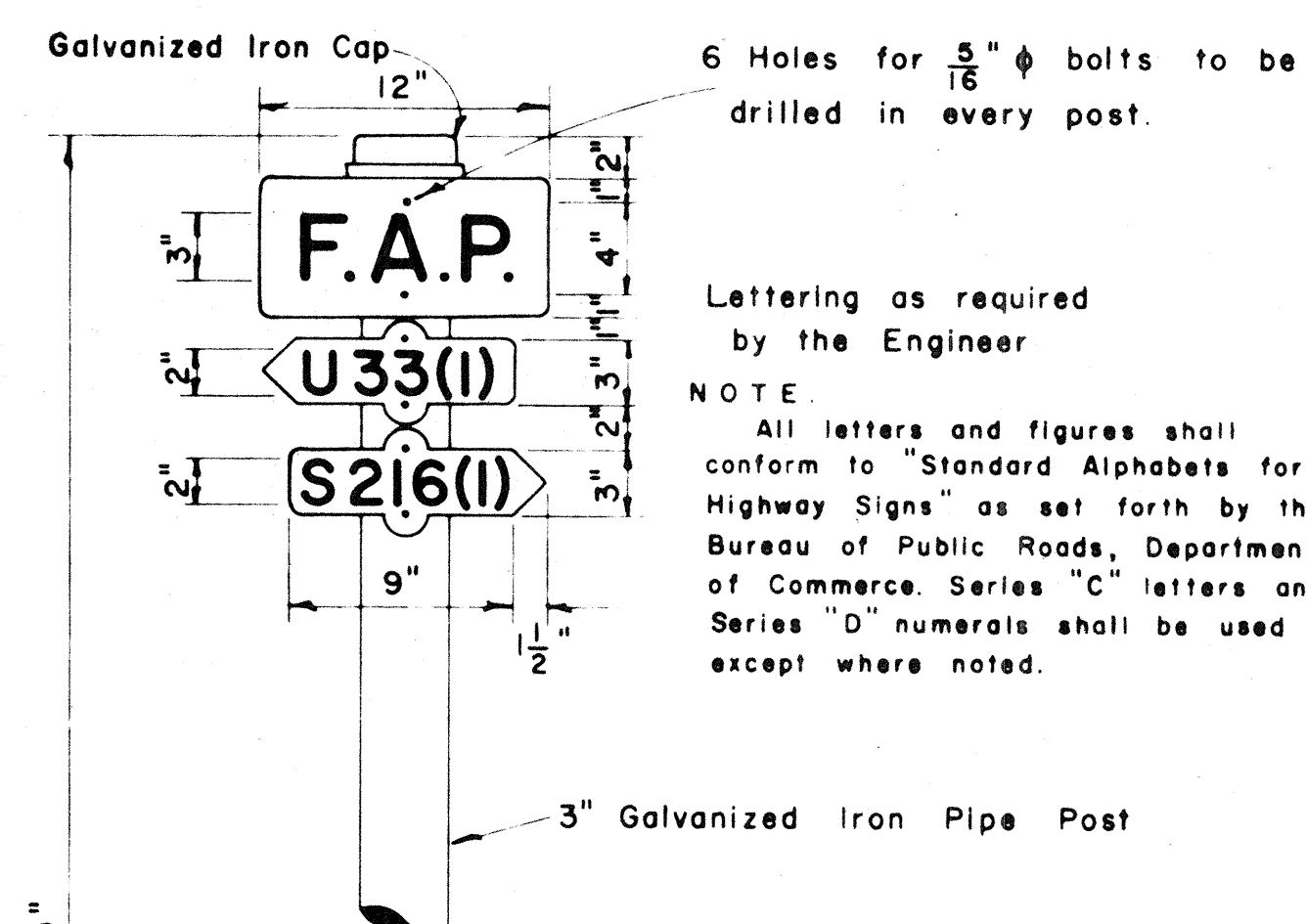
**ROAD DELINEATOR**

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



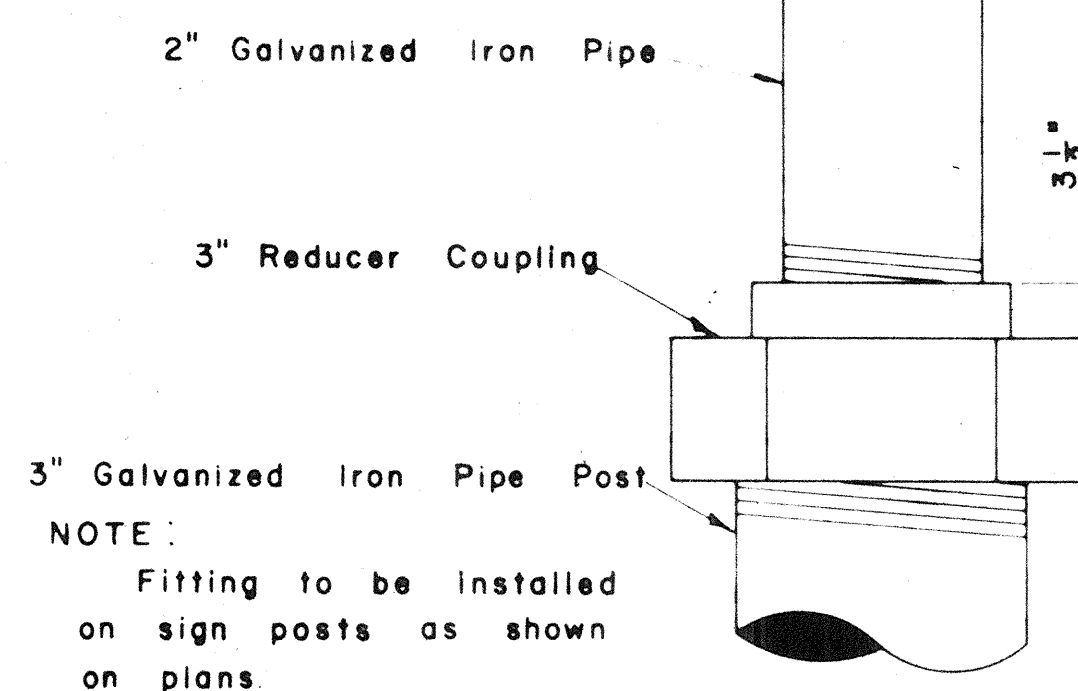
## HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATIONS

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



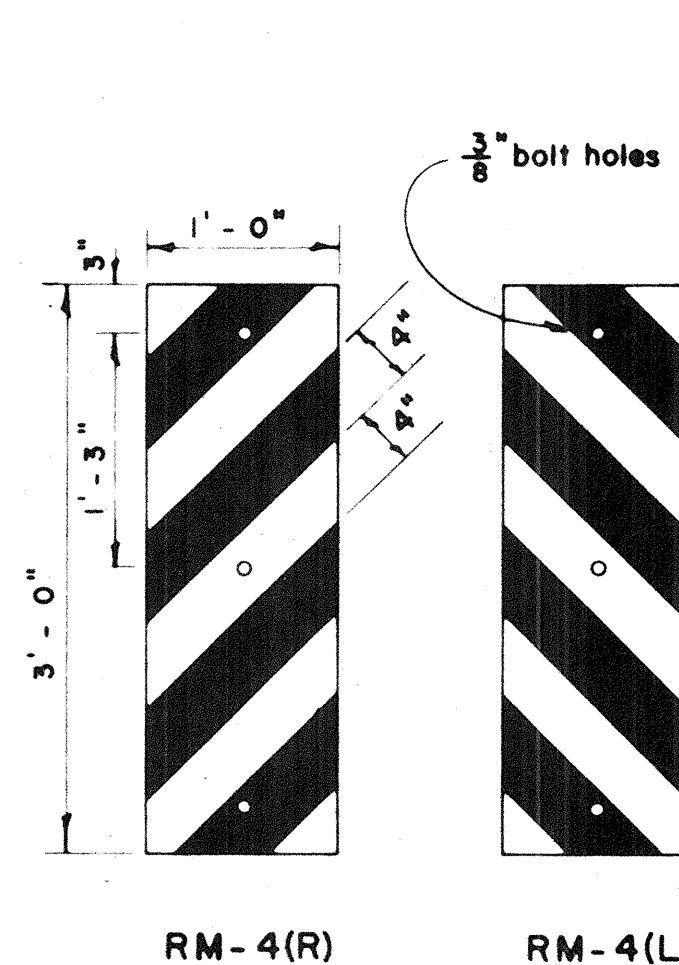
**TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS**

Scale: 3" = 1' - 0"

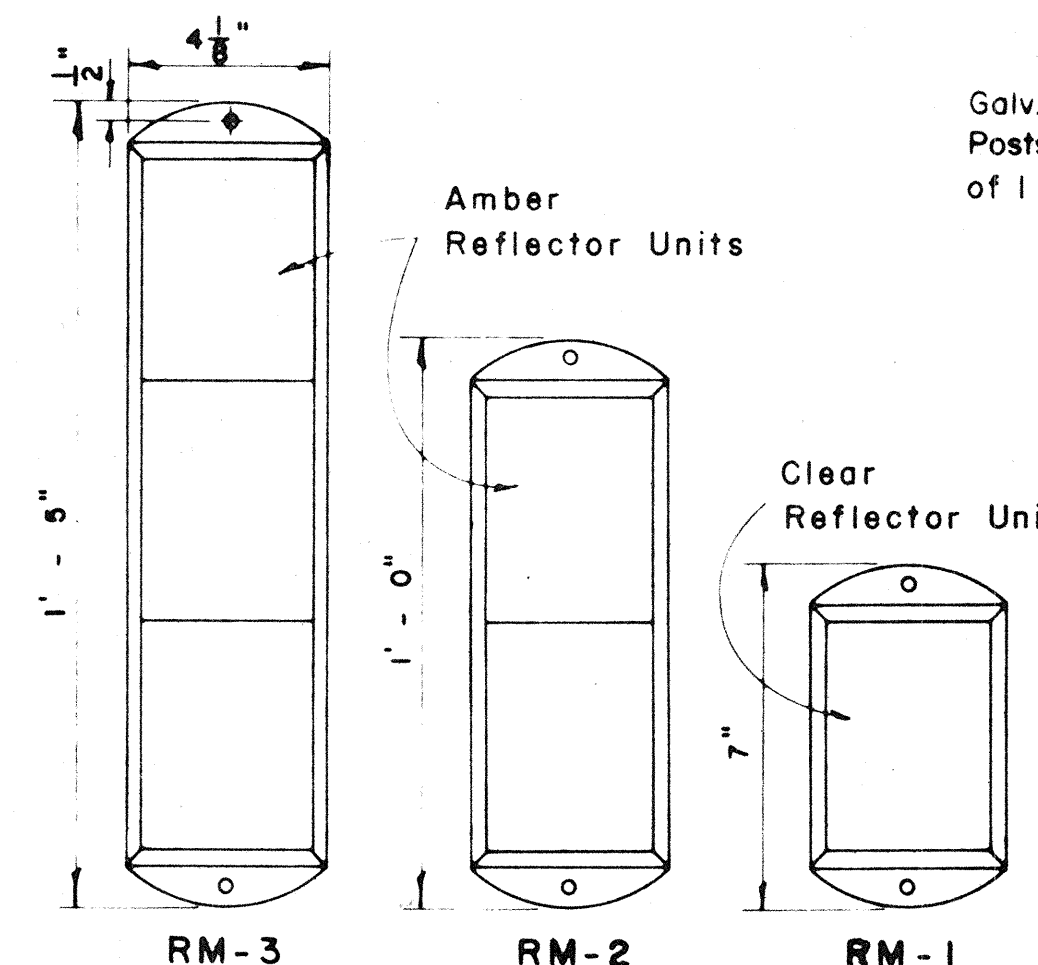


**DETAIL OF SIGN POST FITTING FOR CITY & COUNTY STREET NAME SIGNS**

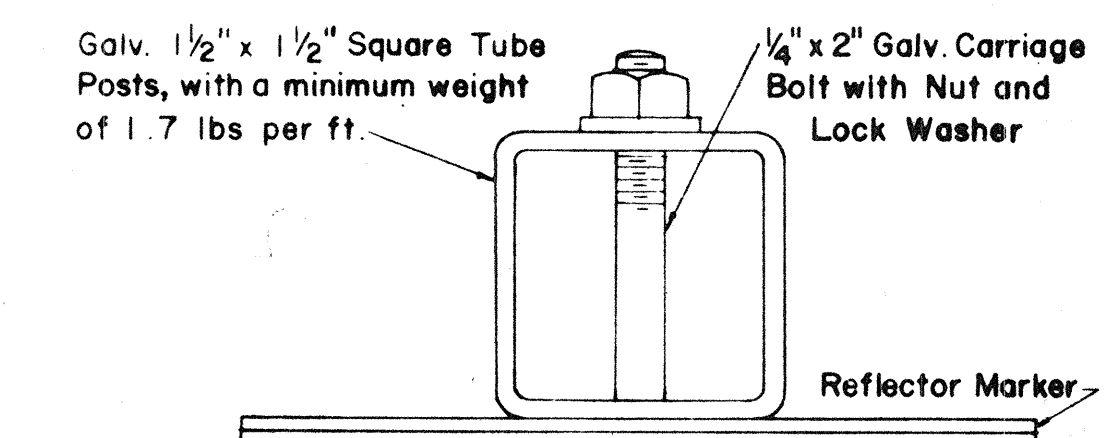
Scale: 1/2" = 1"



Scale: 1" = 1' - 0"

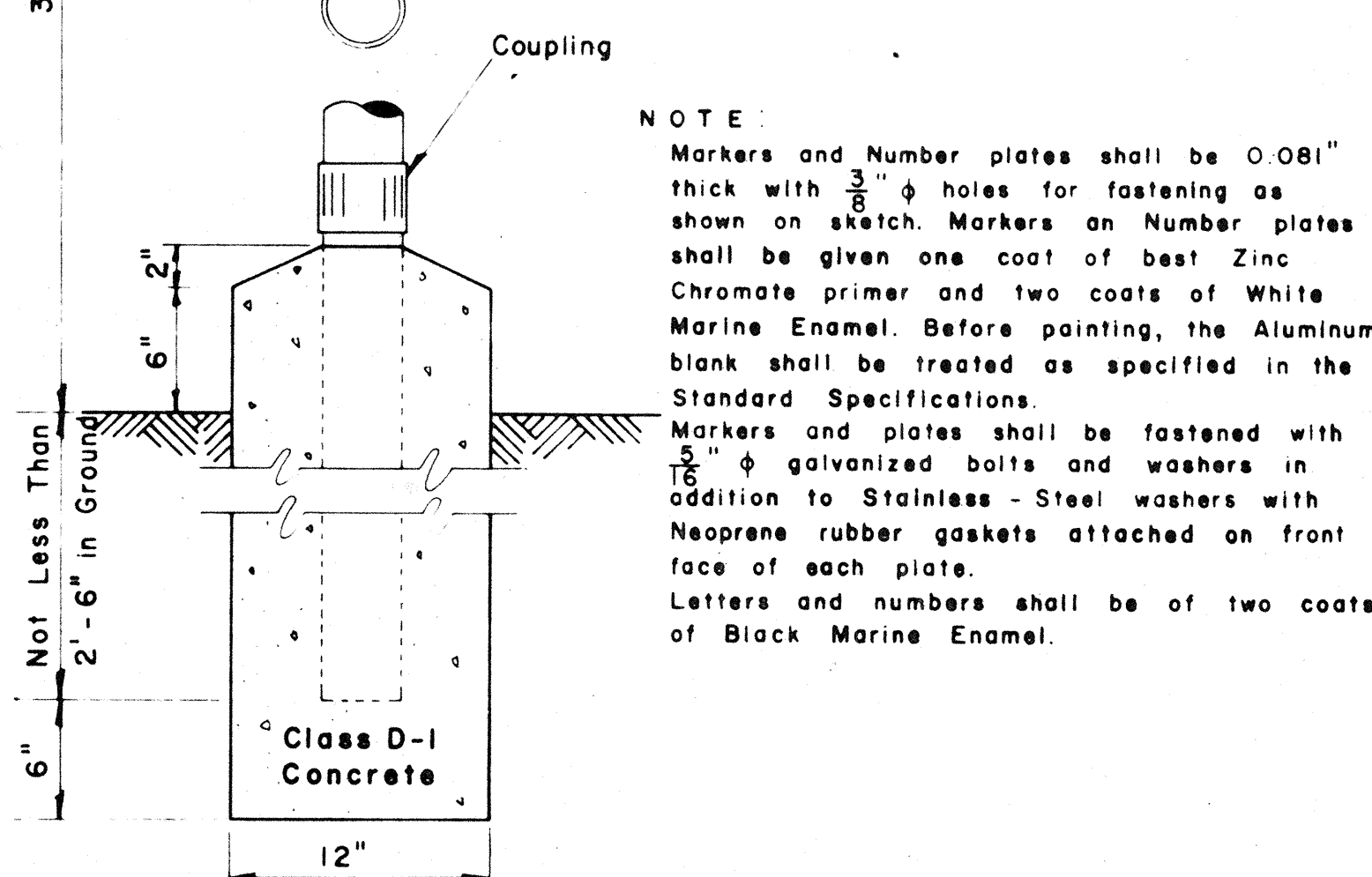


Scale: 3" = 1' - 0"



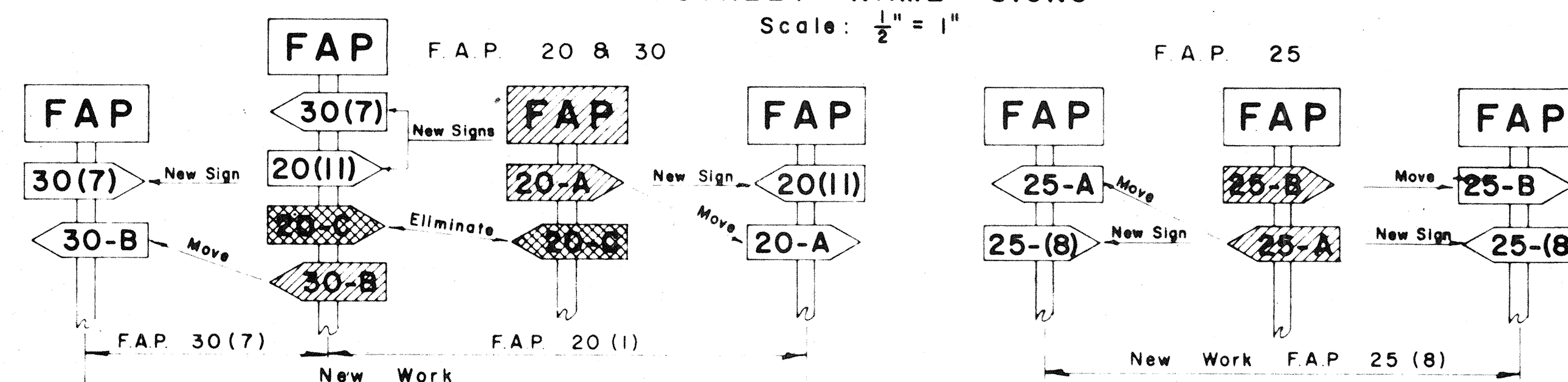
**TYPICAL SECTION OF ROAD DELINEATOR**  
Full Size

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.



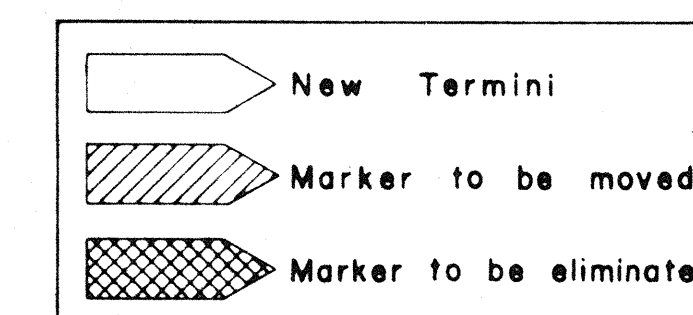
**FEDERAL AID MARKER**

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



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

**REFLECTOR MARKERS**  
Scale: As Shown



APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
DIRECTOR OF TRANSPORTATION

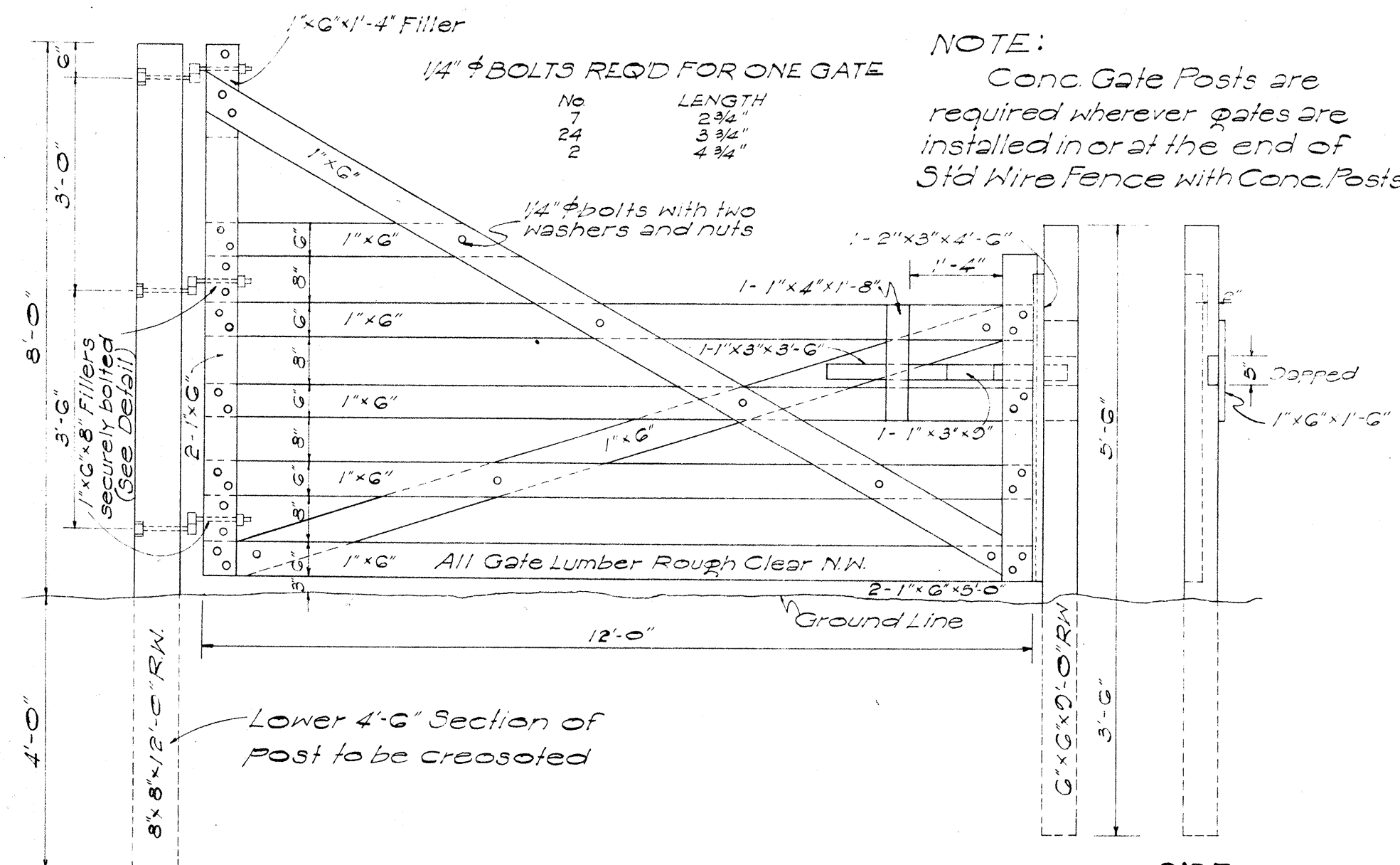
DECEMBER 8, 1964  
REVISED: FEBRUARY 25, 1964

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

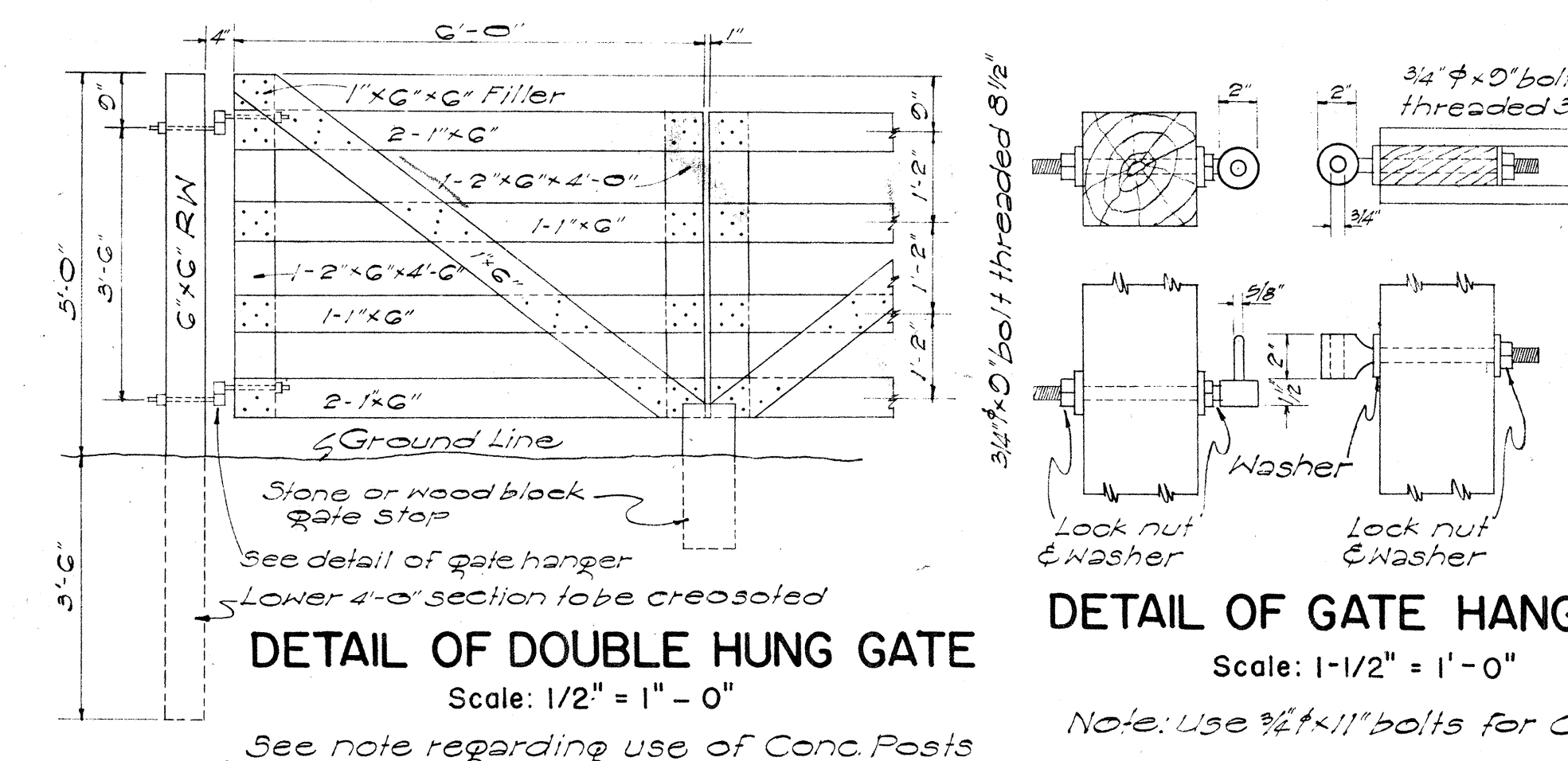
Scale: As Shown

SHEET No. 2 OF 3 SHEETS

AUG. 1957



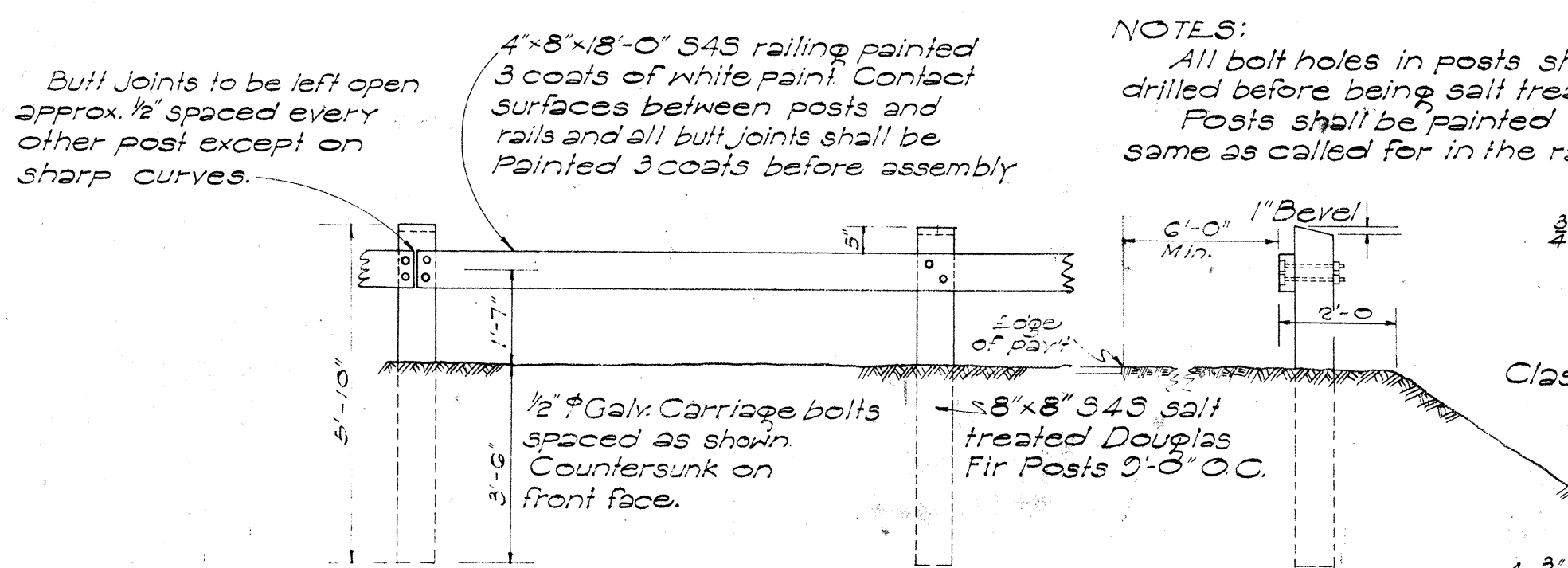
DETAIL OF CATTLE GATE  
Scale: 1/2" = 1' - 0"



DETAIL OF DOUBLE HUNG GATE  
Scale: 1/2" = 1' - 0"

DETAIL OF GATE HANGER  
Scale: 1-1/2" = 1' - 0"

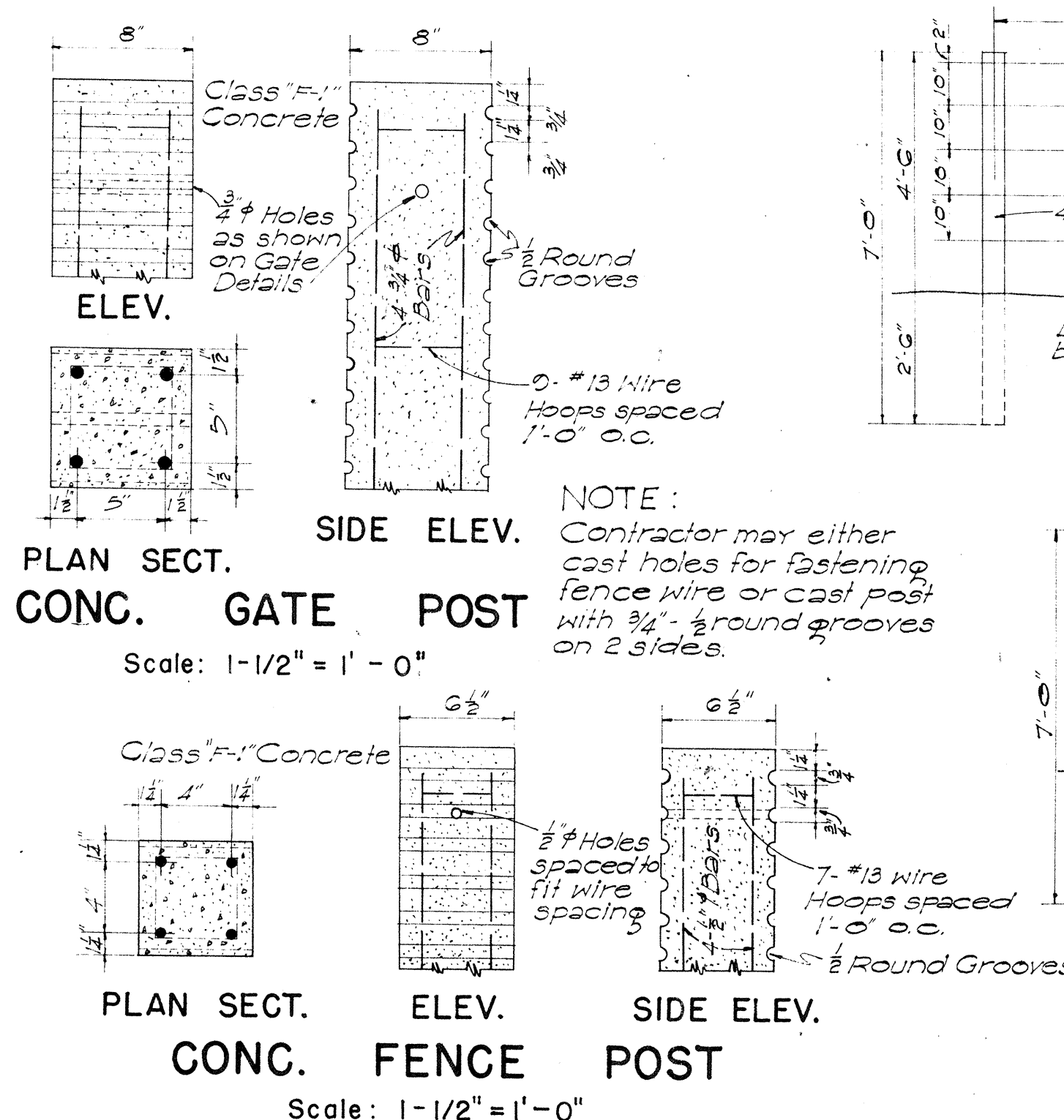
Note: Use 1/4"x11" bolts for Cattle Gate



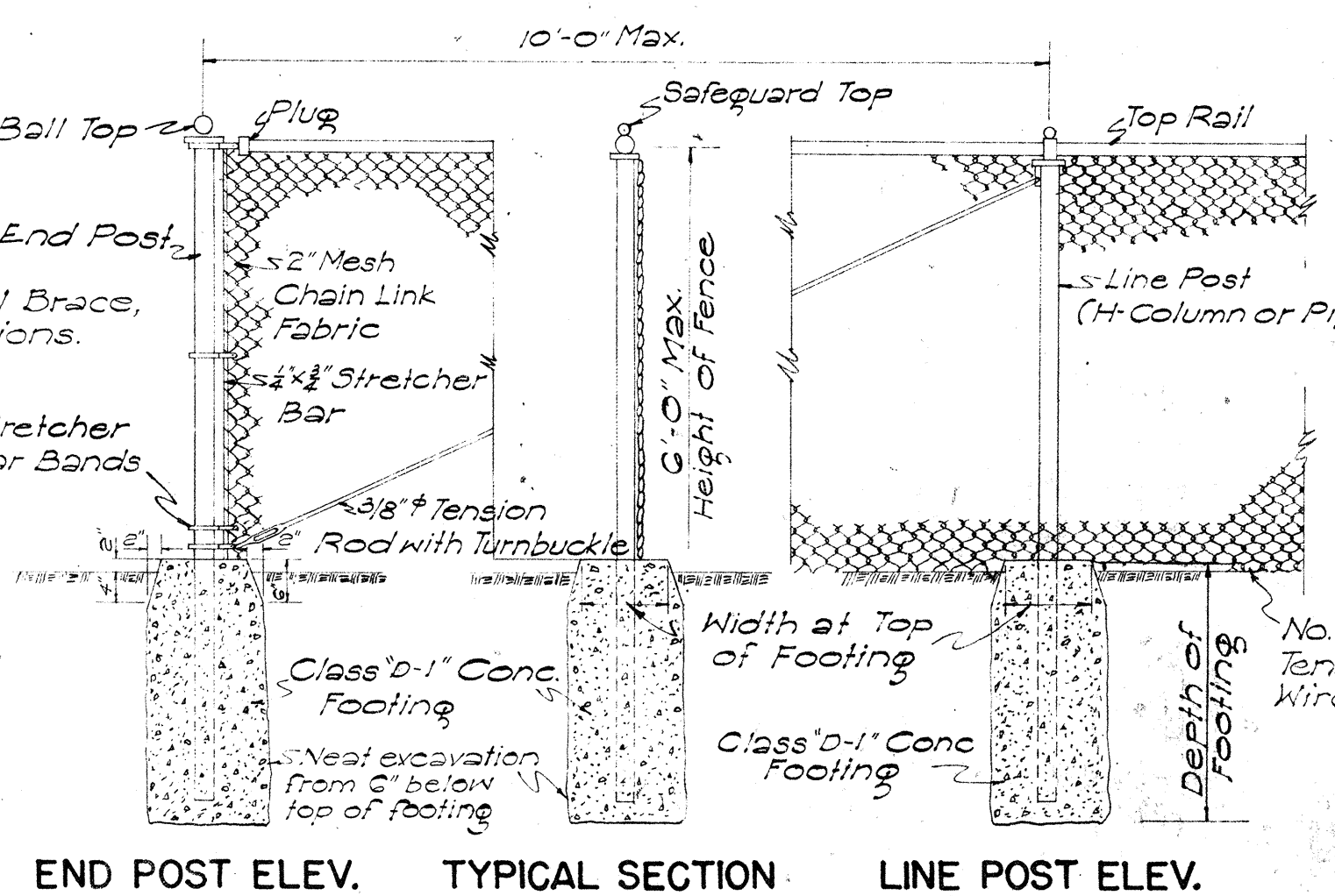
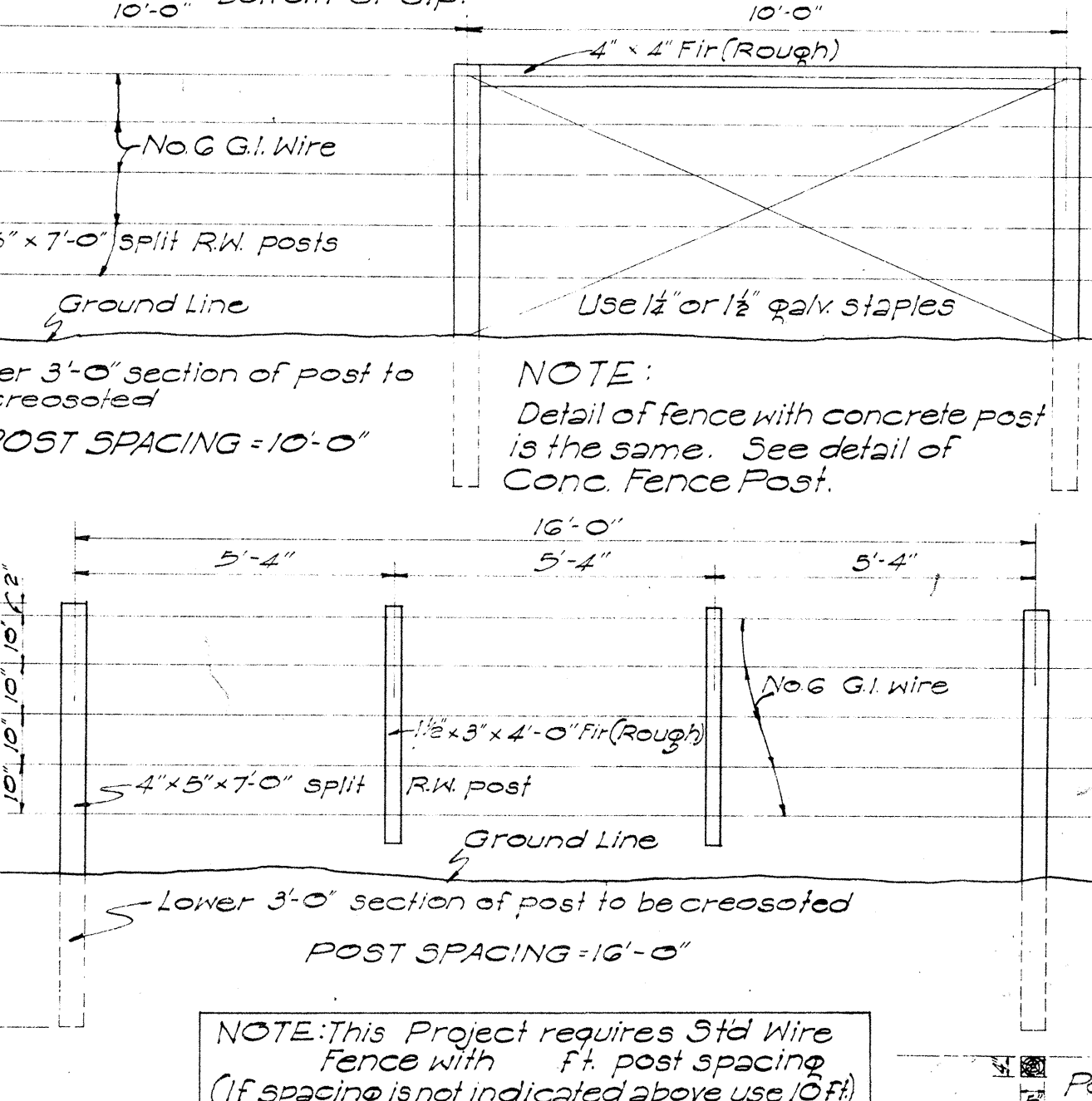
WOOD GUARD RAIL WITH WOOD POSTS  
Scale: 3/8" = 1' - 0"

NOTE: For Conc. Post see detail at right

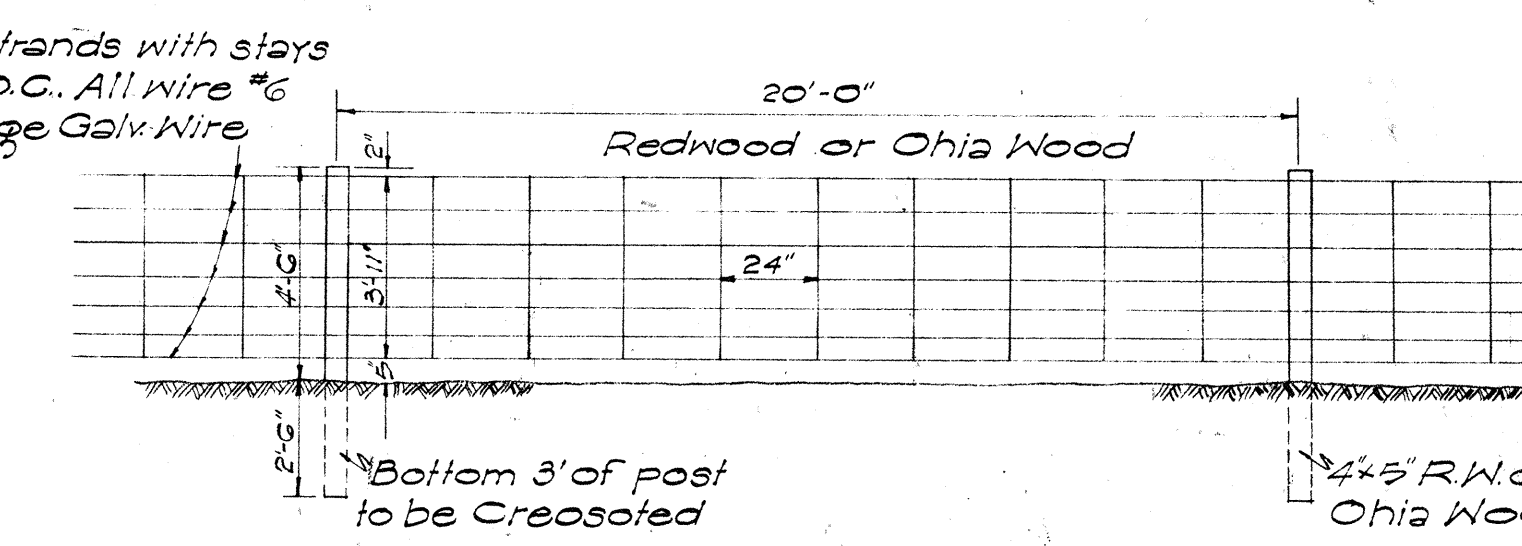
DETAIL OF CONC. POST  
Scale: 1-1/2" = 1' - 0"



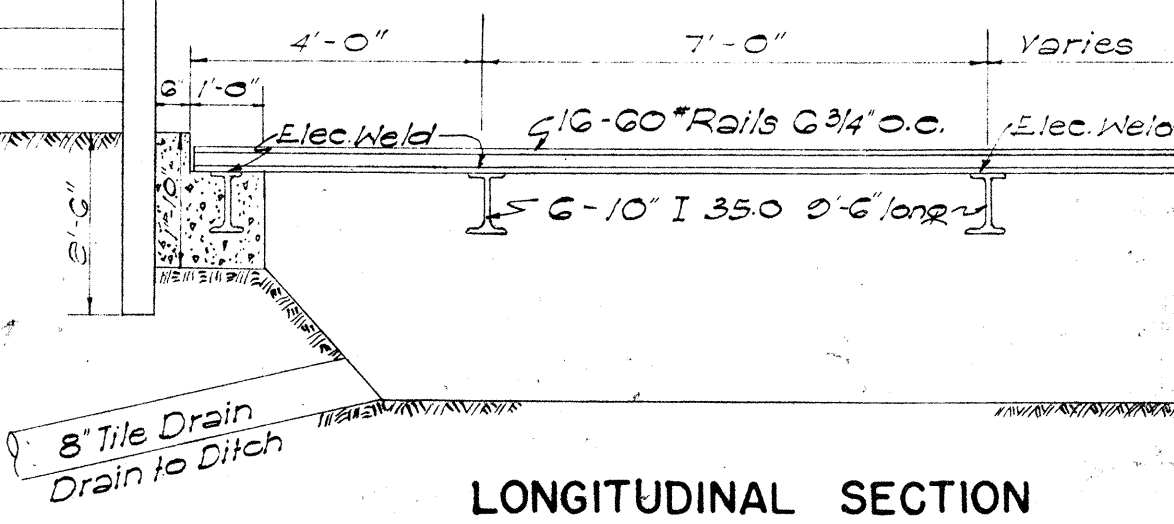
DETAILS OF STANDARD WIRE FENCE WITH WOOD POSTS  
Scale: 3/8" = 1' - 0"



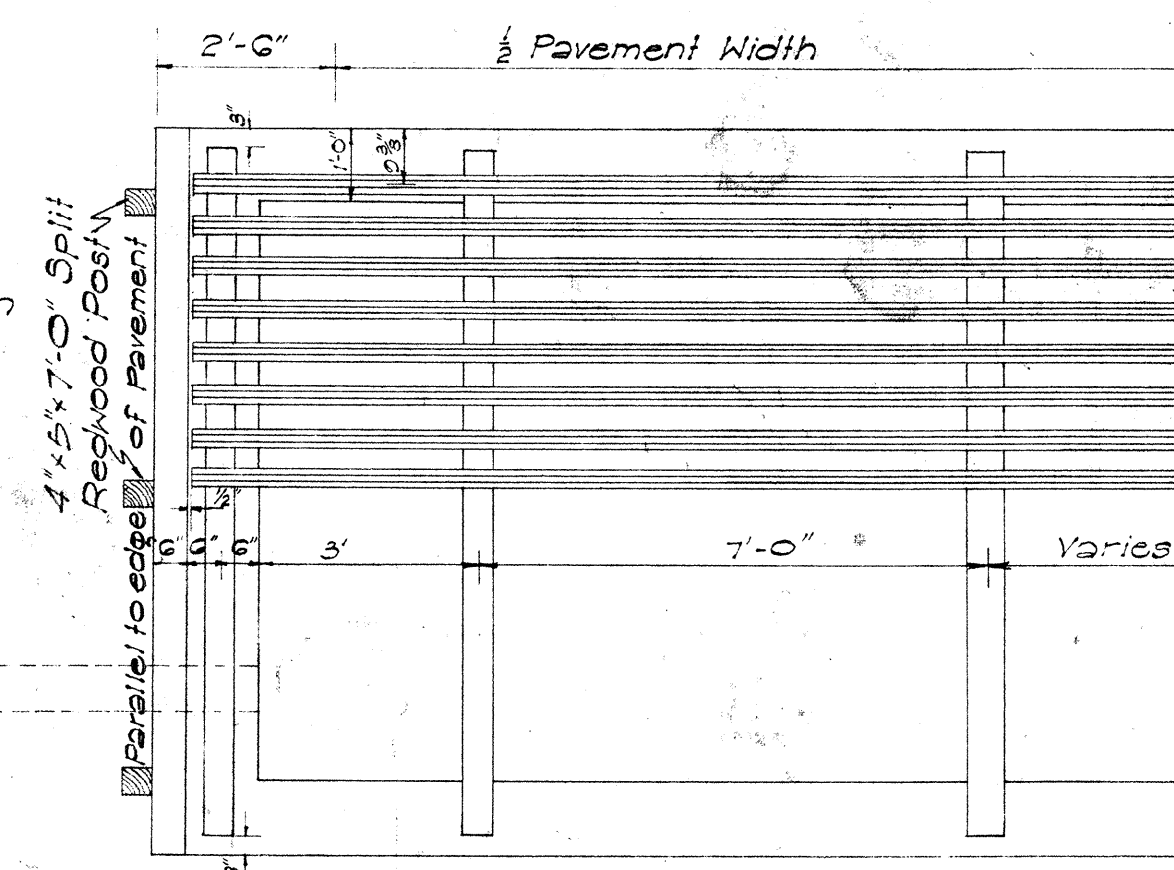
DETAIL OF CHAIN LINK FENCE  
Scale: 1/2" = 1' - 0"



DETAIL OF WOVEN WIRE FENCE  
Scale: 1/4" = 1' - 0"



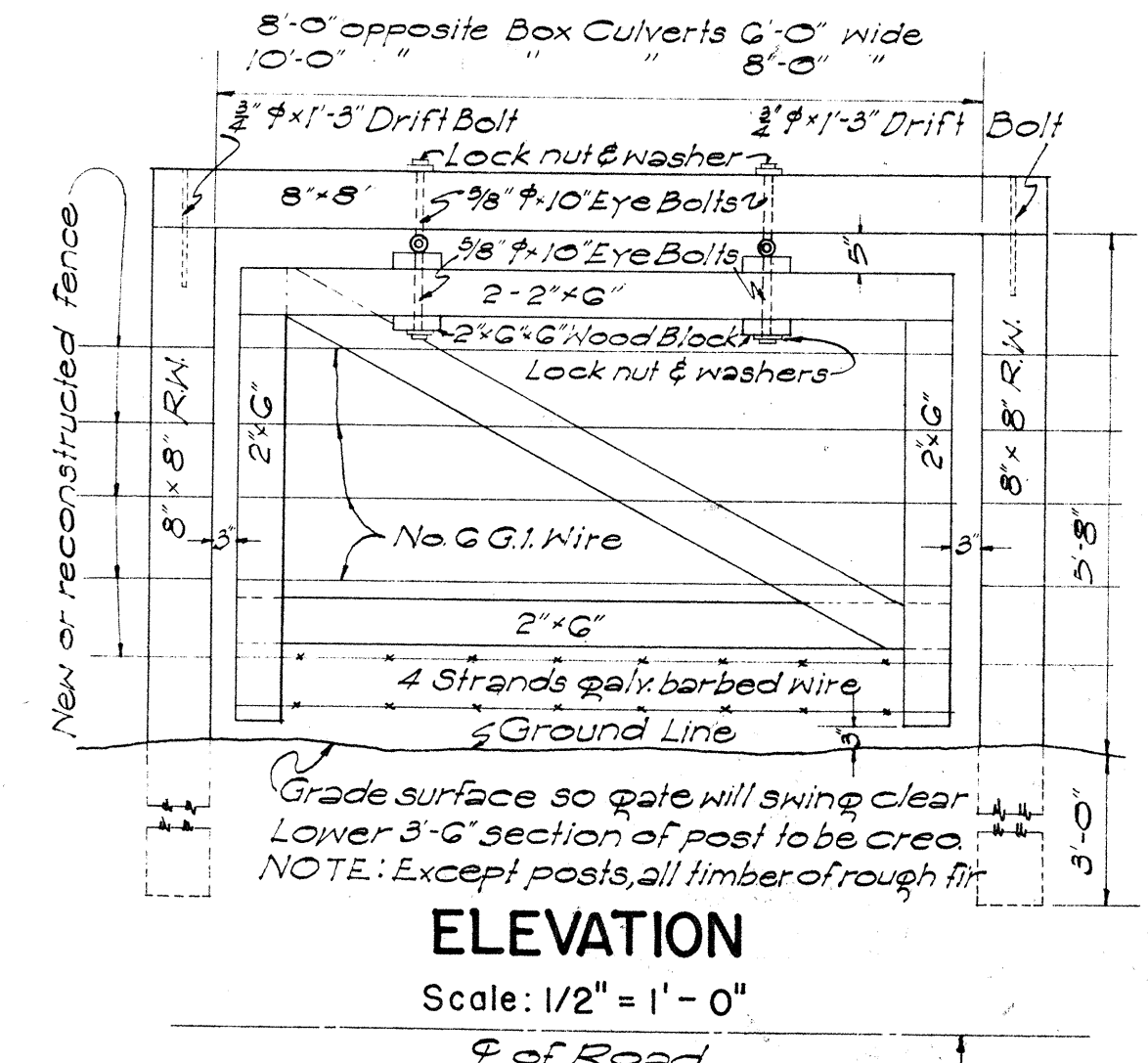
LONGITUDINAL SECTION



HALF SECTION

DETAIL OF CATTLE GUARD  
Scale: 3/8" = 1' - 0"

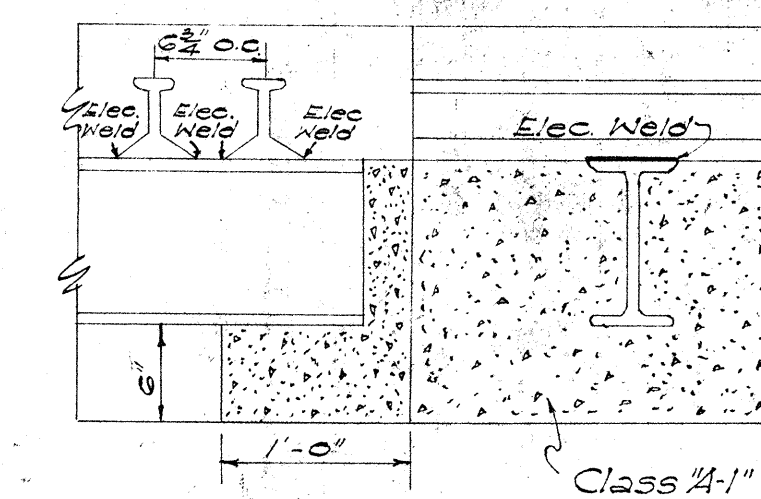
APPROVED: DATE: AUG. 20, 1957  
STATE HIGHWAY ENGINEER



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

LAYOUT SHOWING HURDLE PLACED BELOW CULVERT IN A POSITION WHICH WILL BE CATTLE TIGHT

DETAILS OF HURDLE



SECTION

DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
STATE OF HAWAII  
STANDARD DETAILS  
FENCES, GATES, GUARD RAILS,  
GUIDE POSTS, CATTLE GUARD  
SCALES AS NOTED