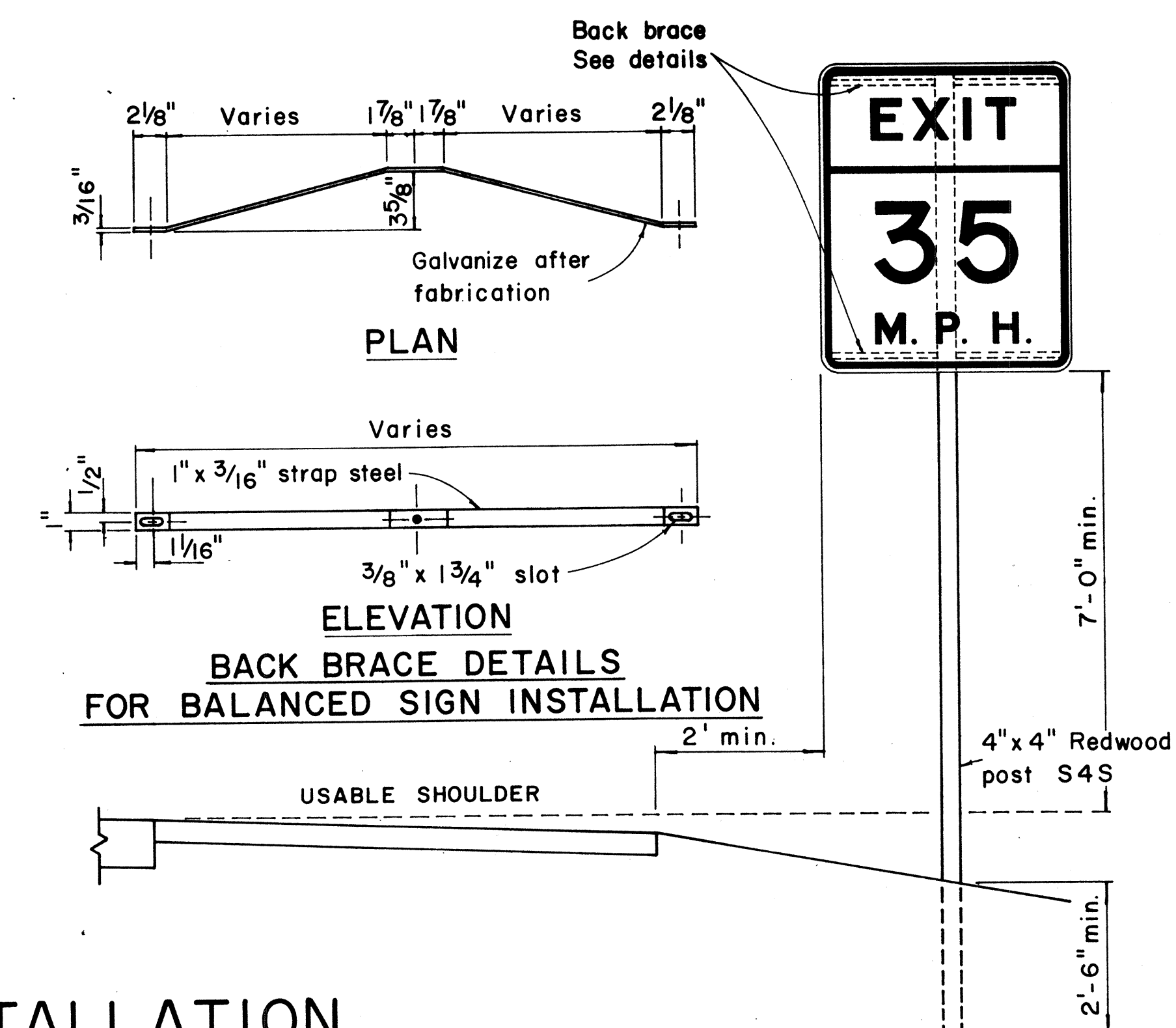
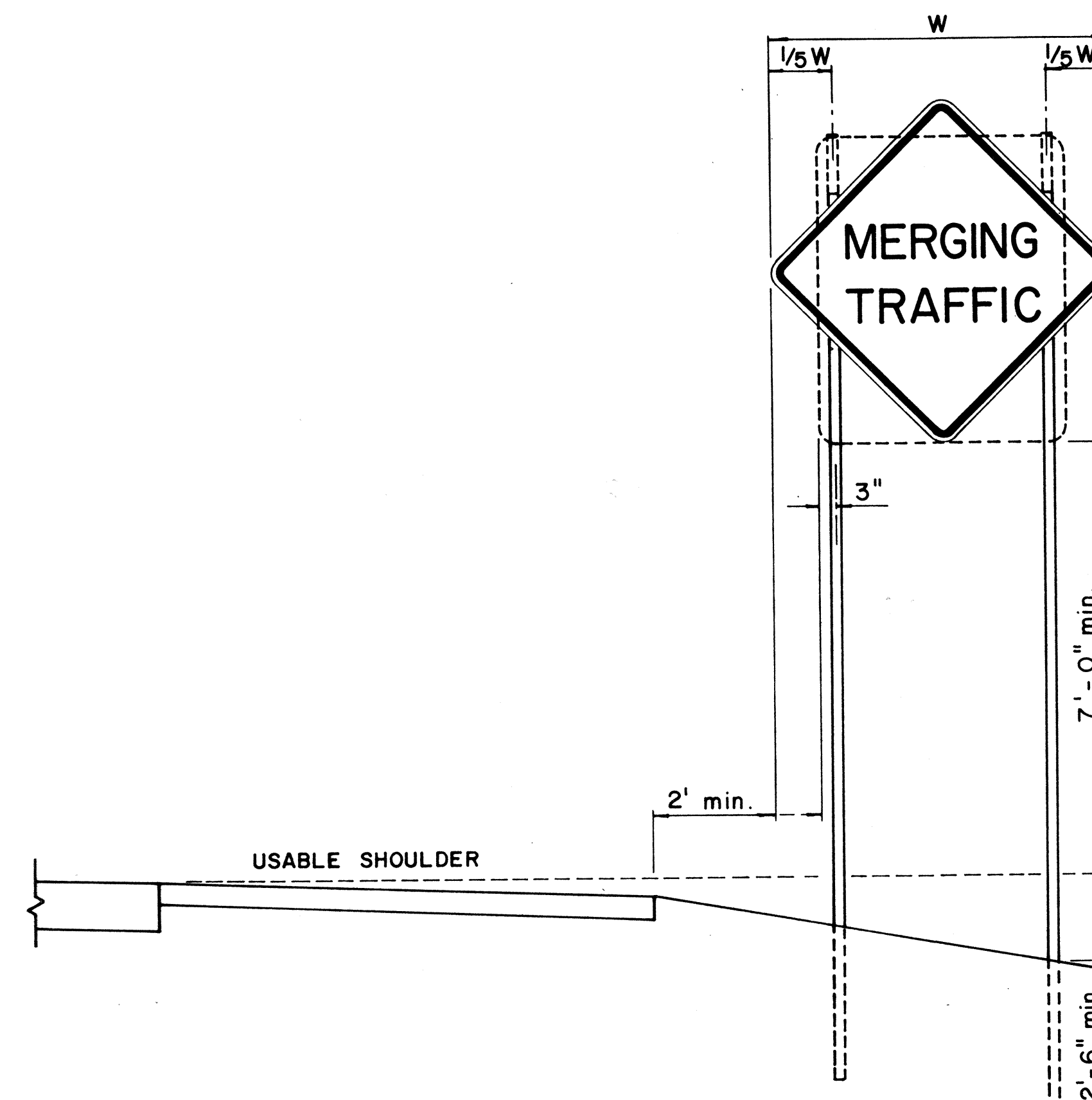
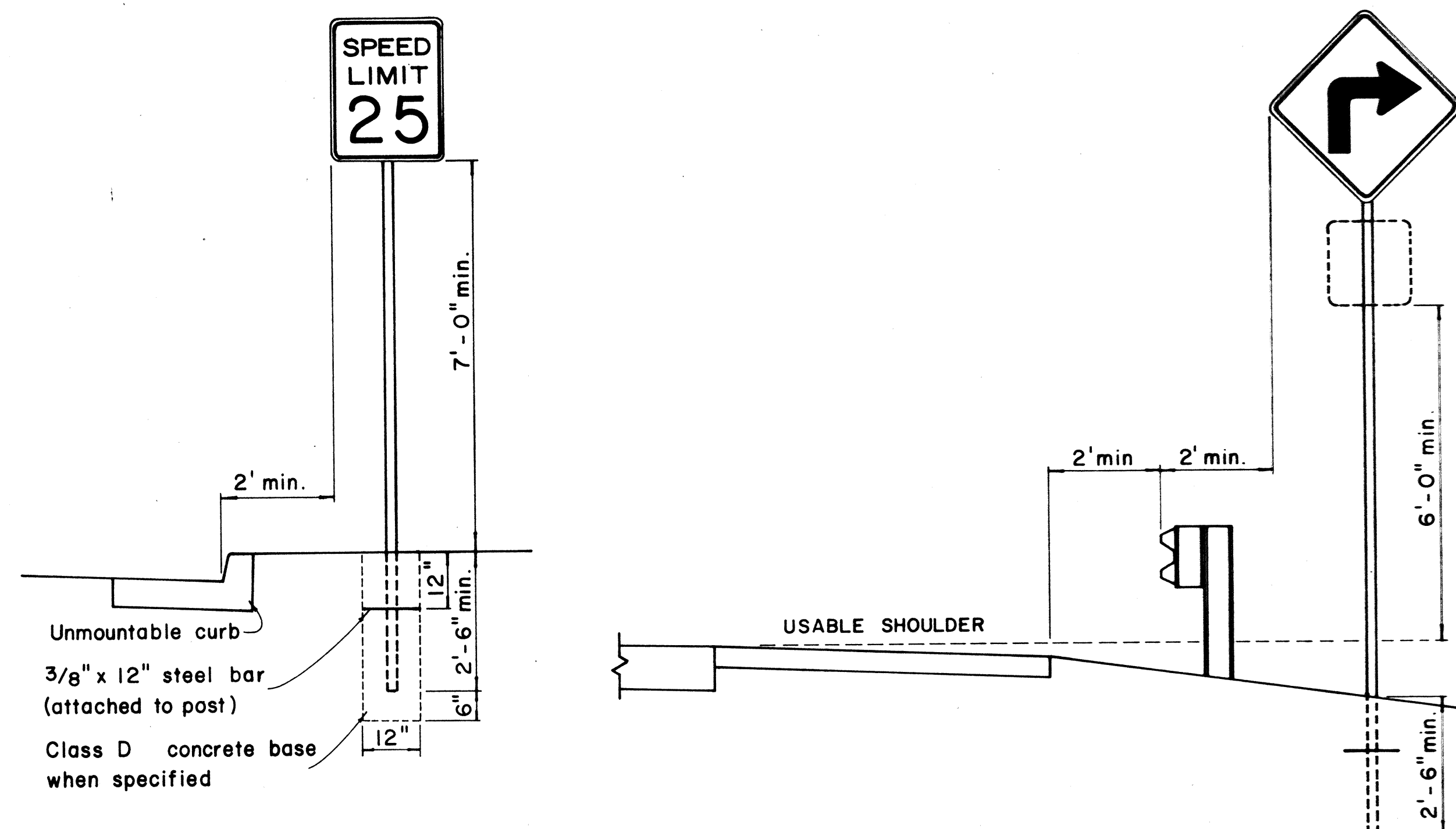
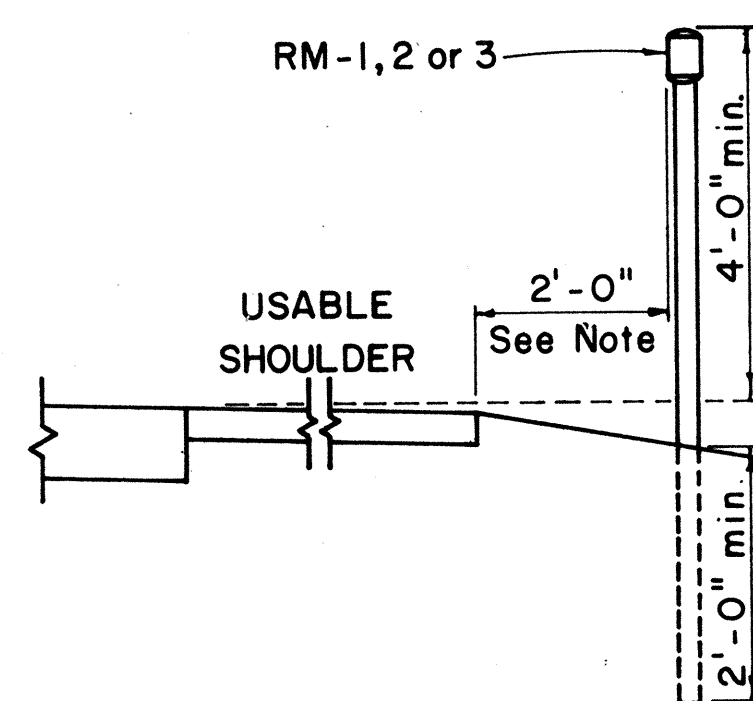


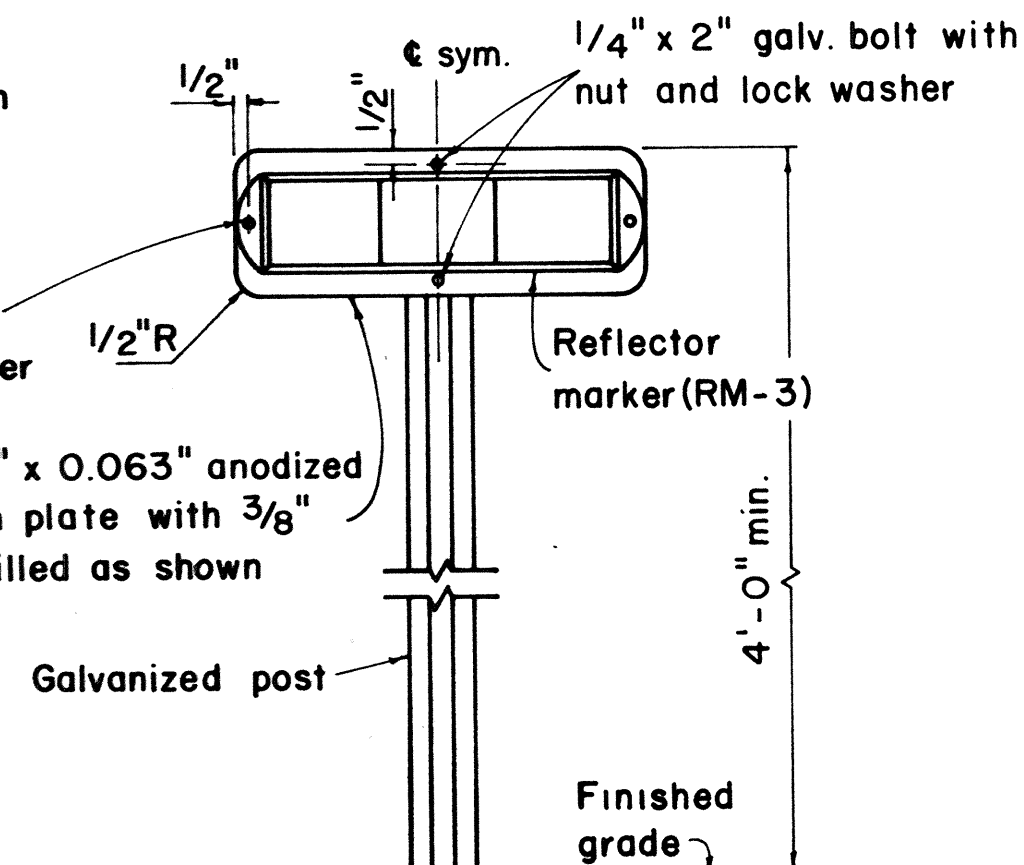
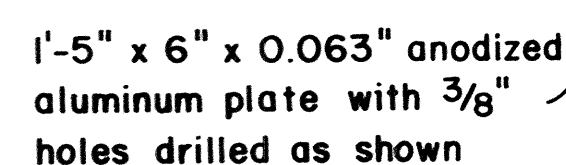
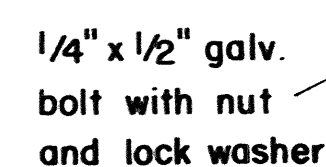
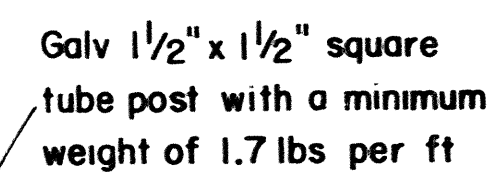
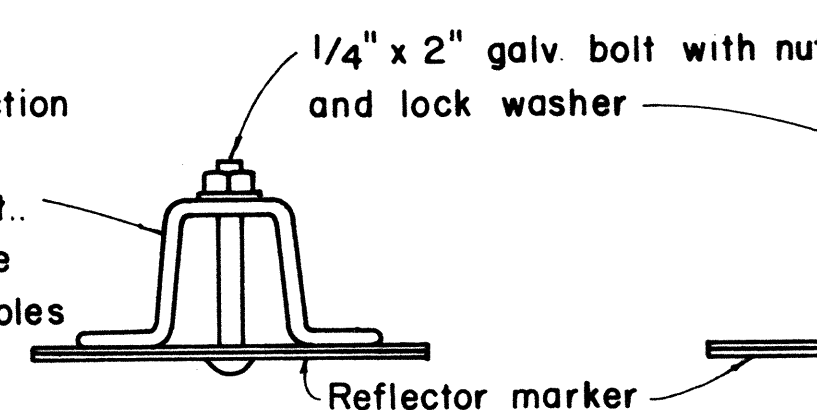
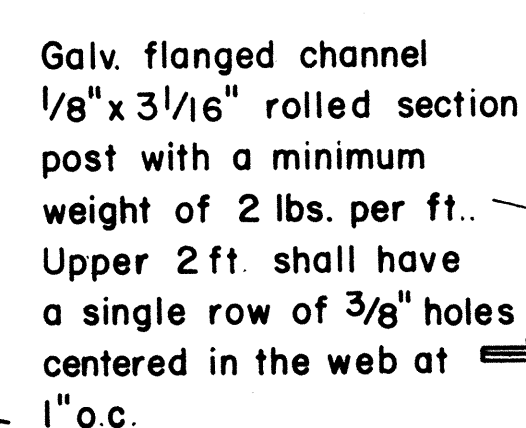
| FED. ROAD<br>DIST. NO. | STATE | PROJ. NO.             | FISCAL<br>YEAR | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------------|-------|-----------------------|----------------|--------------|-----------------|
| HAWAII                 | HAW.  | 90BD-03-70<br>PHASE I | 1970           | 10           | 16              |



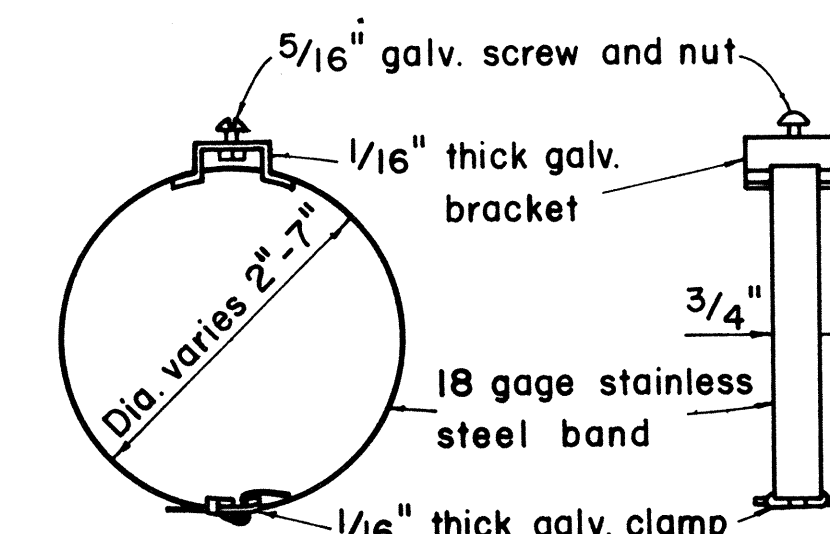
## HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATION



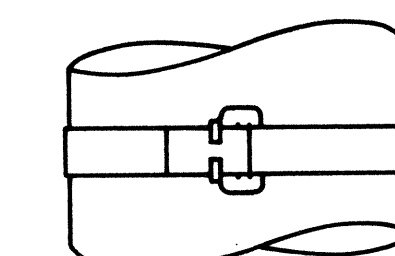
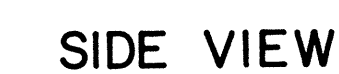
# ROAD DELINEATOR



TYPICAL DETAIL  
HORIZONTAL REFLECTOR MARKER  
RM - 3H



## PLAN



FRONT VIEW

### TYPICAL BAND BRACKET FOR MOUNTING TRAFFIC SIGNS

| NO. | REVISION | APPROVED<br>BY | DATE |
|-----|----------|----------------|------|
|     |          |                |      |

APPROVAL RECOMMENDED:

Erich Tano  
TRAFFIC ENGINEER

12/29/69  
DATE

APPROVED:

Assistant Chief, Engineering

12-30-69  
DATE

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

## STANDARD DETAILS

### MISCELLANEOUS SIGN DETAILS

Not to scale

March, 1968

**SHEET No. 1 OF 6 SHEETS** DT 100

10

~~#~~ 7 Legii.

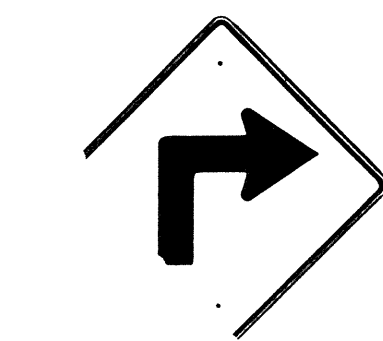
|                  |                         |            |
|------------------|-------------------------|------------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
|                  | DRAWN BY _____          | " _____    |
|                  | TRACED BY _____         | " _____    |
| NOTE BOOK        | DESIGNED BY _____       | " _____    |
|                  | QUANTITIES BY _____     | " _____    |
| No. _____        | CHECKED BY _____        | " _____    |

PRINTED ON NO. 1000H CLEARPRINT

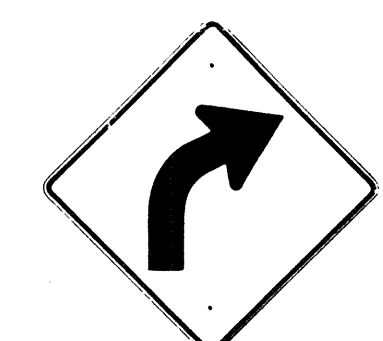




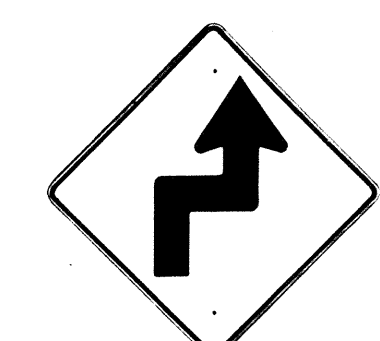
| FED. ROAD DIST. NO. | STATE | PROJ. NO.             | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 208D-03-70<br>PHASE I | 1970        | 12        | 16           |



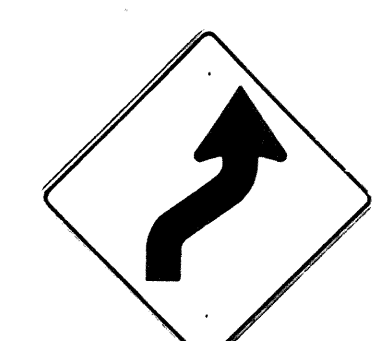
WI-1(R) 30" x 30"



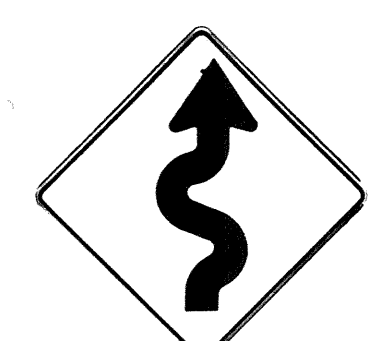
WI-2(R) 30" x 30"



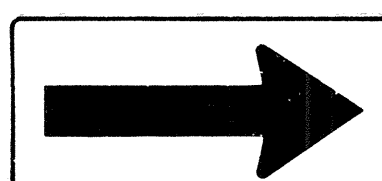
WI-3(R) 30" x 30"



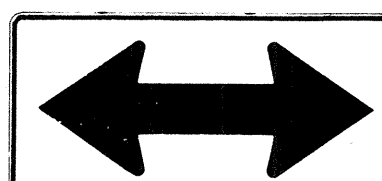
WI-4(R) 30" x 30"



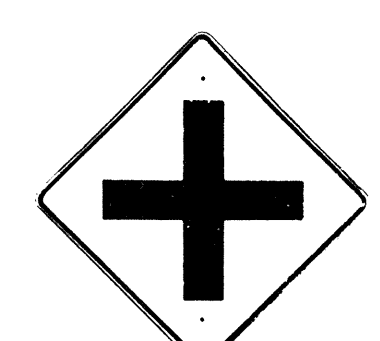
WI-5(R) 30" x 30"



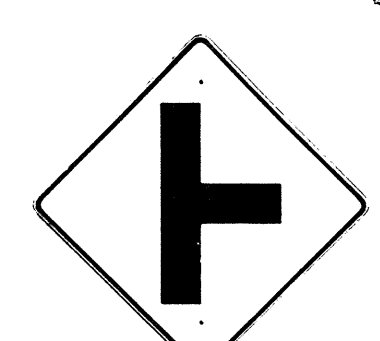
WI-6 48" x 24"



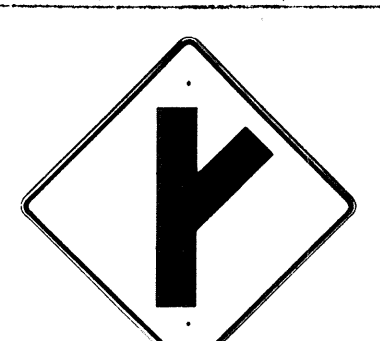
WI-7 48" x 24"




W2-1 30" x 30"



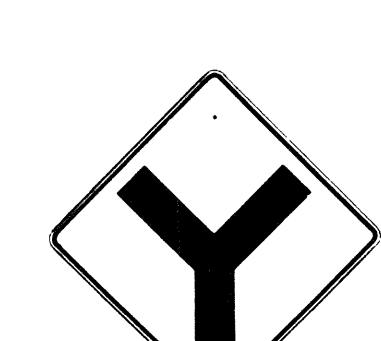
W2-2 30" x 30"




W2-3(R) 30" x 30"




W2-4 30" x 30"



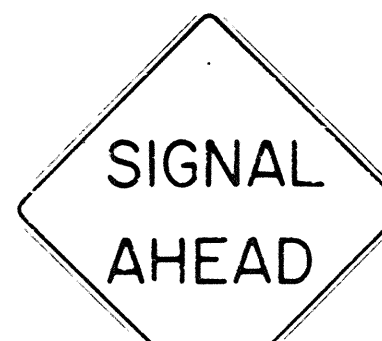
W2-5 30" x 30"




W3-1 30" x 30"




W3-2 30" x 30"




W3-3 36" x 36"



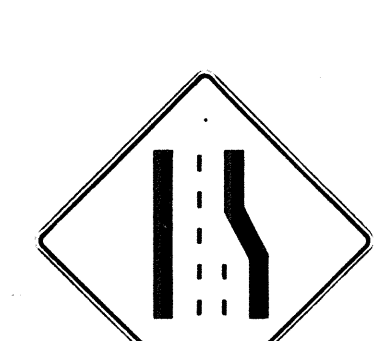
W4-1 30" x 30"



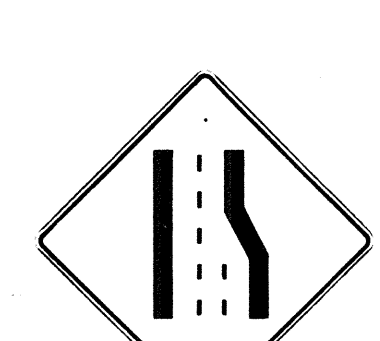
W4-1-E 36" x 36"




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"



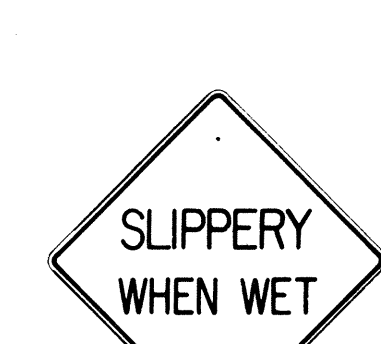
W8-2 30" x 30"




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



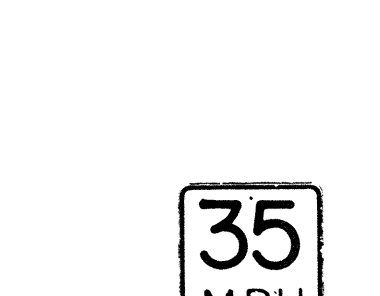
W11-1 30" x 30"



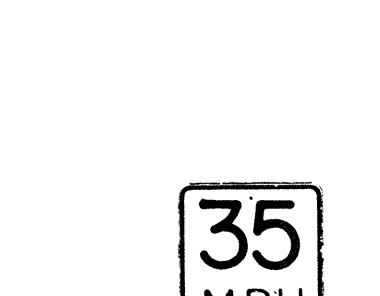
W11-5 30" x 30"



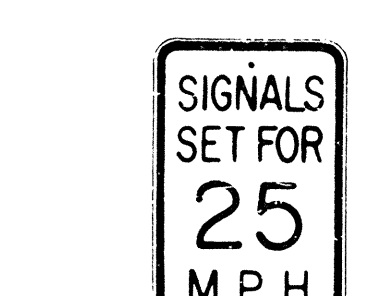
W12-2 36" x 36"



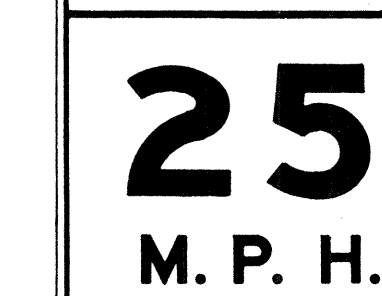
W13-1(35) 18" x 18"



W13-1(35)-E 24" x 24"



W13-2(25) 12" x 18"



W13-3(25) 48" x 60"

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

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

APPROVED:  
*[Signature]*  
 ASSISTANT CHIEF, ENGINEERING  
 12-30-69  
 DATE

| NO. | REVISION | APPROVED BY | DATE |
|-----|----------|-------------|------|
|     |          |             |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD DETAILS  
WARNING SIGNS

NOT TO SCALE

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

| FED. ROAD DIST. NO. | STATE | PROJ. NO.             | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | 208D-03-70<br>PHASE I | 1970        | 13        | 16           |



W 7-2 48"x 48"



W8-7 30"x 30"



W14-1 30"x 30"



W20-1a 48"x 48"



W20-2d 48"x 48"



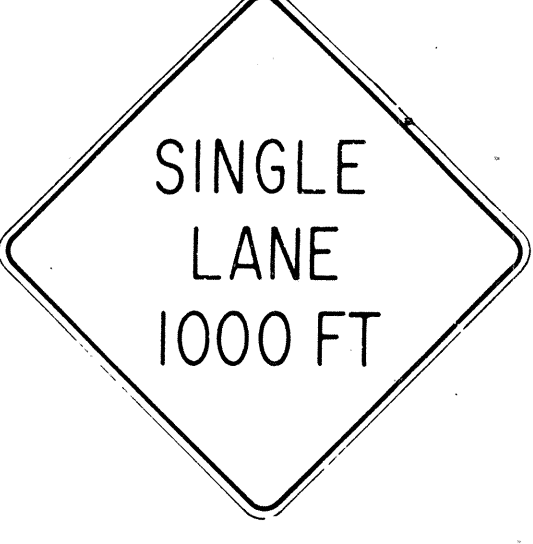
W20-3b 48"x 48"



W20-4d 48"x 48"



W20-5d(L) 48"x 48"



W20-6b 48" x 48"



W20-7c 48"x 48"



W21-1 30"x 30"



W21-2 24"x 24"



W21-3 36"x 36"



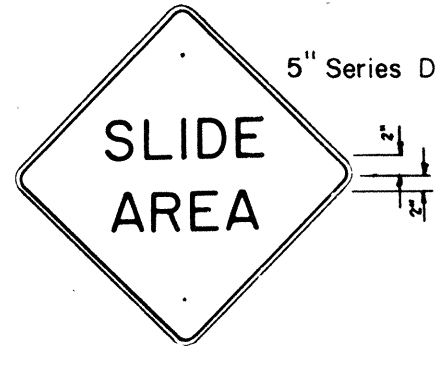
W21-4 30"x 30"



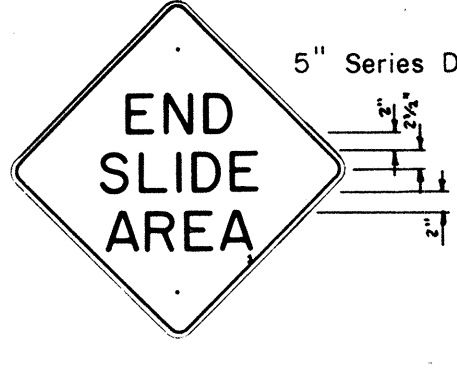
W21-5 30"x 30"



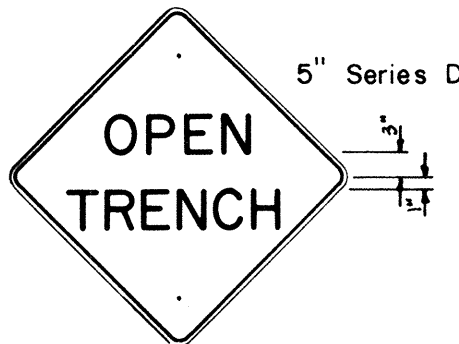
W21-6 30"x 30"



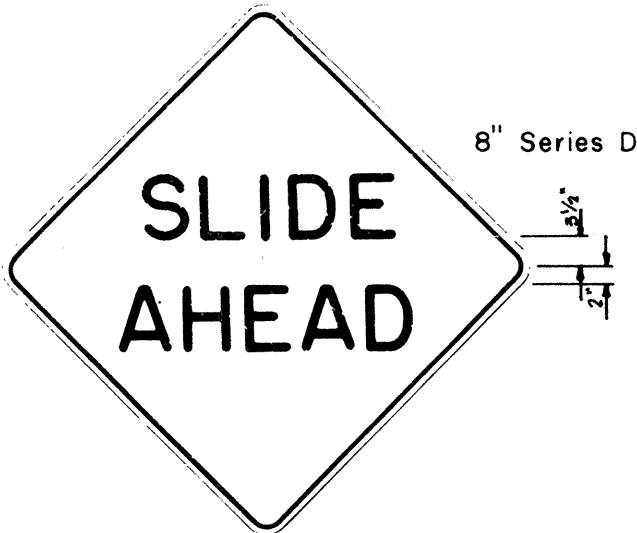
W22-1 30"x 30"



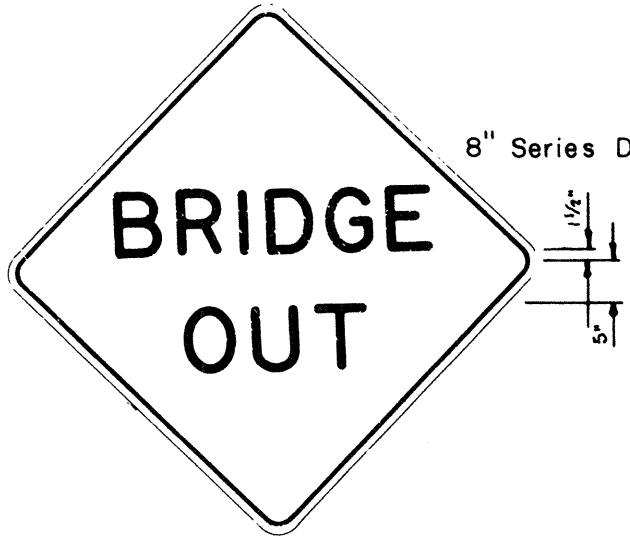
W22-2 30"x 30"



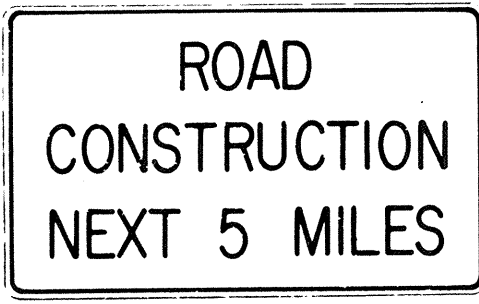
W22-3 30"x 30"



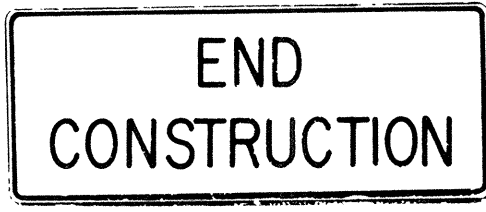
W22-4 48"x 48"



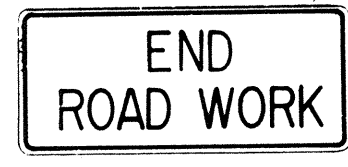
W22-5 48" x 48"



G20-1(5) 60"x 36"



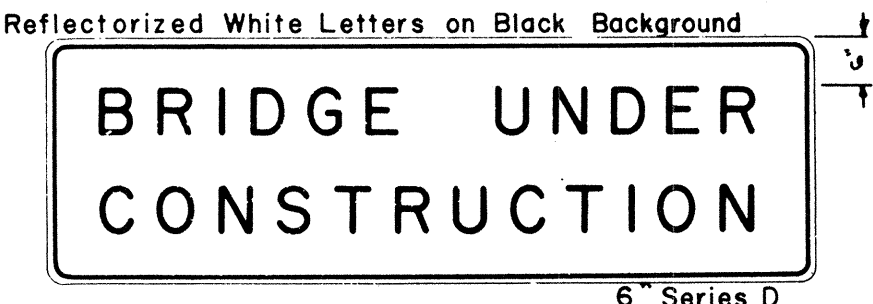
G20-2 60"x 24"



G20-3 42"x 18"



M5-7(L) 48"x 18"



CW-1 96" x 30"

- 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  $\frac{3}{8}$ " 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.

|               |          |
|---------------|----------|
| DESIGNED BY   | DATE     |
| DRAWN BY      | " "      |
| CHECKED BY    | " "      |
| NOTED BY      | " "      |
| ORIGINAL PLAN | No. .... |

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

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

| NO. | REVISION | APPROVED BY | DATE |
|-----|----------|-------------|------|
|     |          |             |      |

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

STANDARD DETAILS  
 CONSTRUCTION SIGNS  
 NOT TO SCALE

SHEET No. 4 OF 6 SHEETS DT 104





Technical drawing of a highway tax sign. The sign is rectangular with a black border. The text on the sign is as follows:

YOUR HIGHWAY TAXES  
AT WORK

FEDERAL HIGHWAY TRUST FUNDS  
\$ 0,000,000  
U.S. DEPT. OF TRANSPORTATION  
FEDERAL HIGHWAY ADMIN. Bureau of Public Roads

HAWAII STATE  
\$ 0,000,000  
HAWAII STATE  
DEPT. OF TRANSPORTATION  
HIGHWAYS DIVISION

On the right side of the sign is a circular logo with a black border. Inside the logo, the word "HAWAII" is written in a semi-circle at the top, and two small circles are at the bottom.

Dimensions of the sign are indicated by arrows and text:

- Overall width: 8' - 0"
- Overall height: 12"
- Top section height: 4"
- Bottom section height: 16"
- Left section width: 2 - 1/2"
- Right section width: 3 - 1/2"
- Top section width: 5" 4 5/8"
- Bottom section width: 2"

Diagram of a highway sign for Hawaii State Highways Division. The sign is rectangular with a black border. The text on the sign reads: "YOUR HIGHWAY TAXES AT WORK" in large, bold, black letters. Below this, in smaller letters, is "STATE HIGHWAY FUNDS \$ 0,000,000 HAWAII STATE DEPT. OF TRANSPORTATION HIGHWAYS DIVISION". To the right of the text is a triangular warning sign with a black border and the word "HAWAII" above two large, empty circles. The sign is mounted on a post. Dimensions are given: the sign is 6'-0" wide and 12" high. The post is 5'-0" high. The sign is 1'-0" from the top of the post. The sign is 1'-0" from the bottom of the post. The sign is 1'-0" from the side of the post.

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.

APPROVAL RECOMMENDED: Eishi Tanaka 12/29/19  
TRAFFIC ENGINEER DATE

APPROVED: [Signature] 12/30/19  
ASSISTANT CHIEF, ENGINEERING DATE

| NO | REVISION | APPROVED<br>BY | DATE |
|----|----------|----------------|------|
|    |          |                |      |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

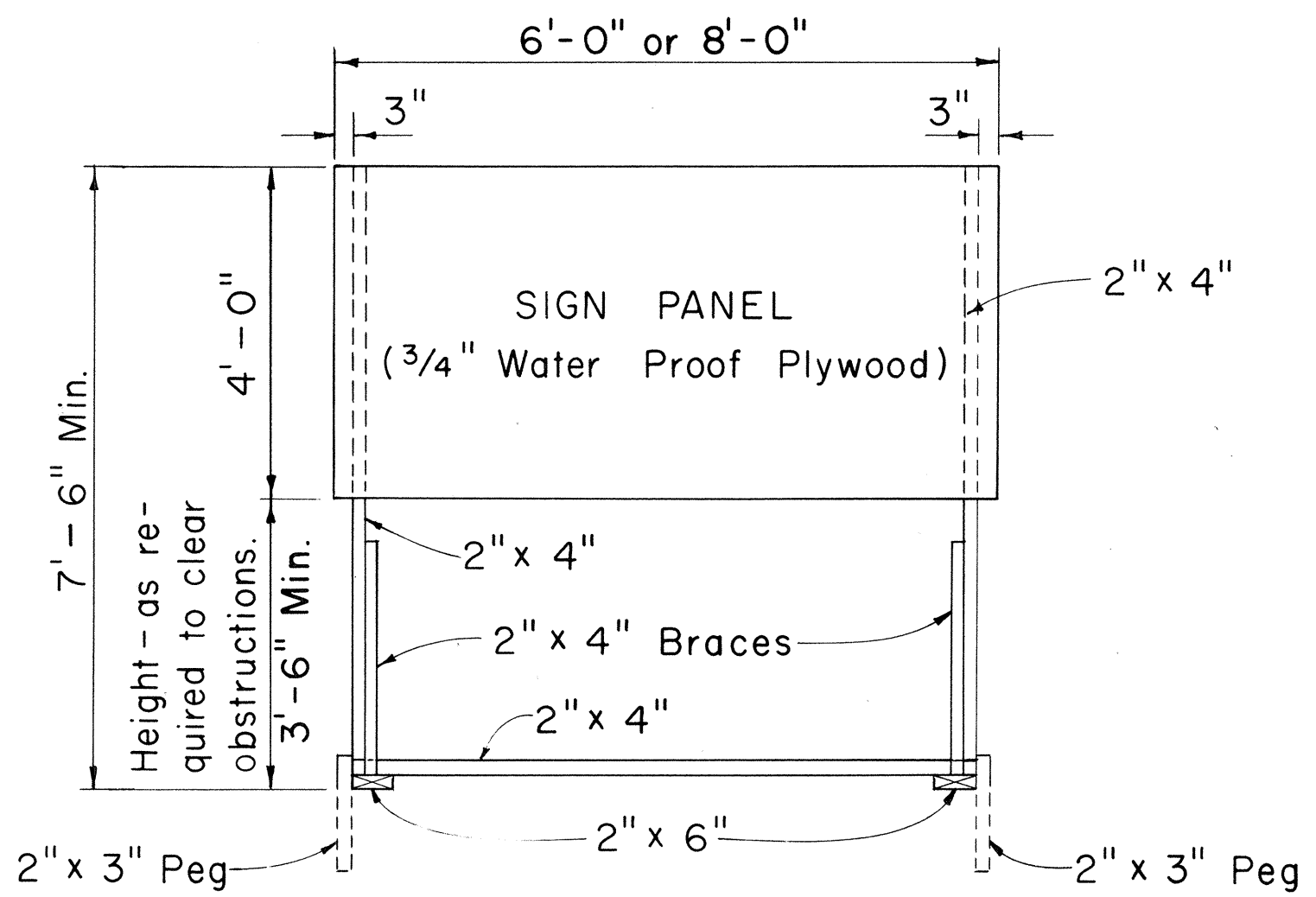
TYPICAL DETAILS

~~CONSTRUCTION IDENTIFICATION SIGN~~  
~~AND~~  
WOOD BARRICADES

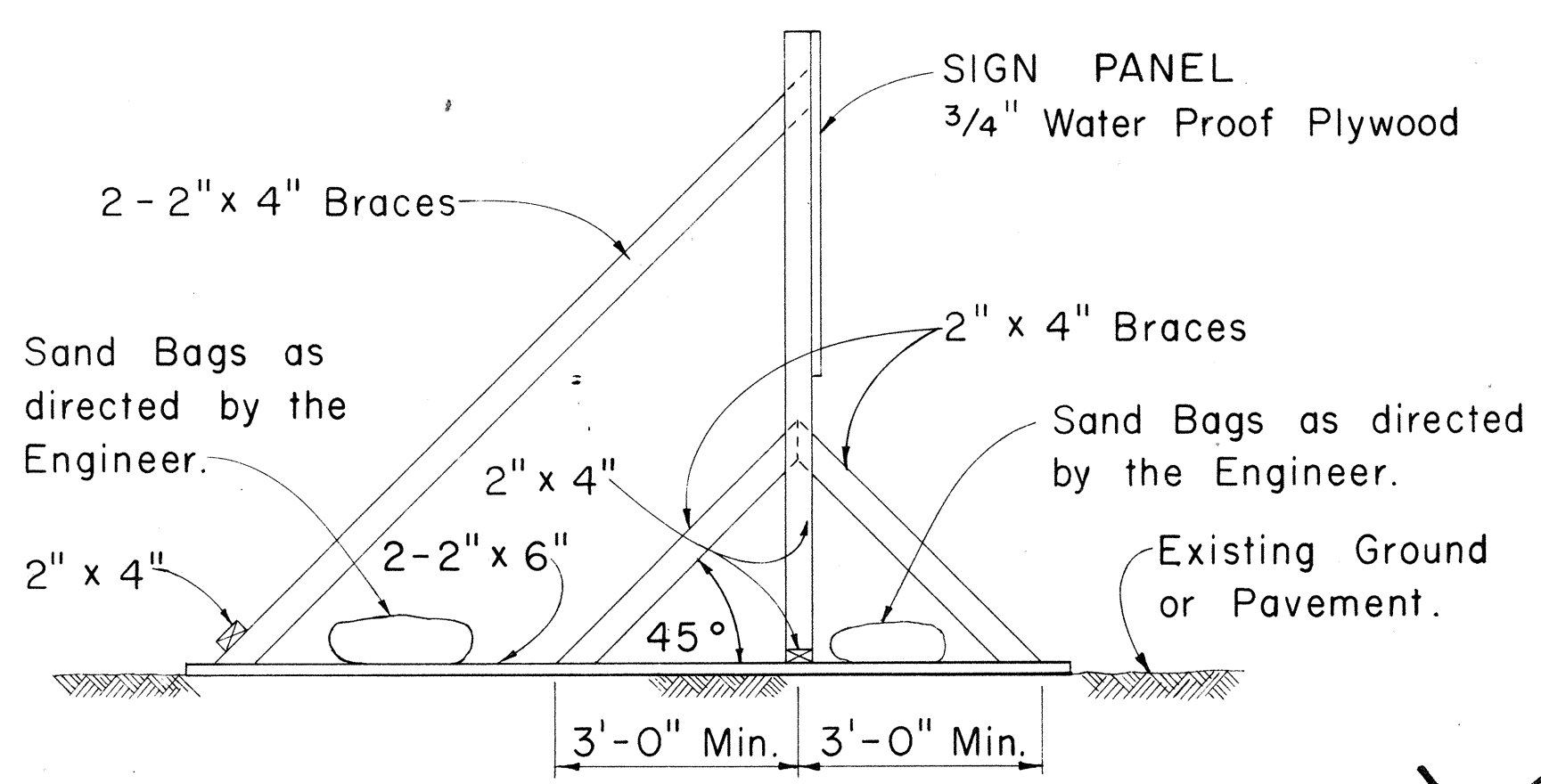
Scale: As Shown Date: \_\_\_\_\_

SHEET No. 6 OF 6 SHEETS DT 80

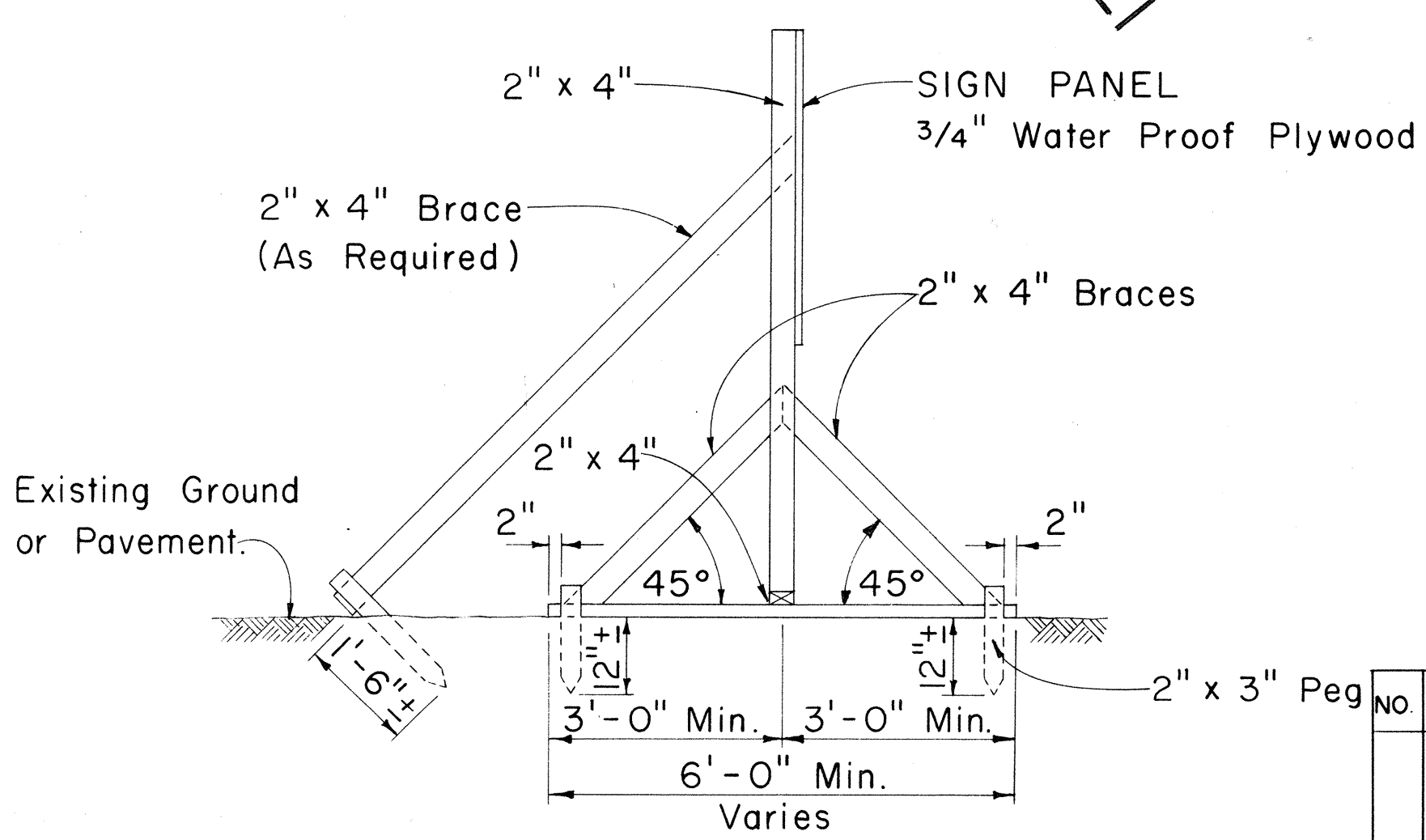
1. The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans.
2. The permanent wood barricades shall be left in place or relocated upon completion of the project as ordered by the Engineer and are to become State property.



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

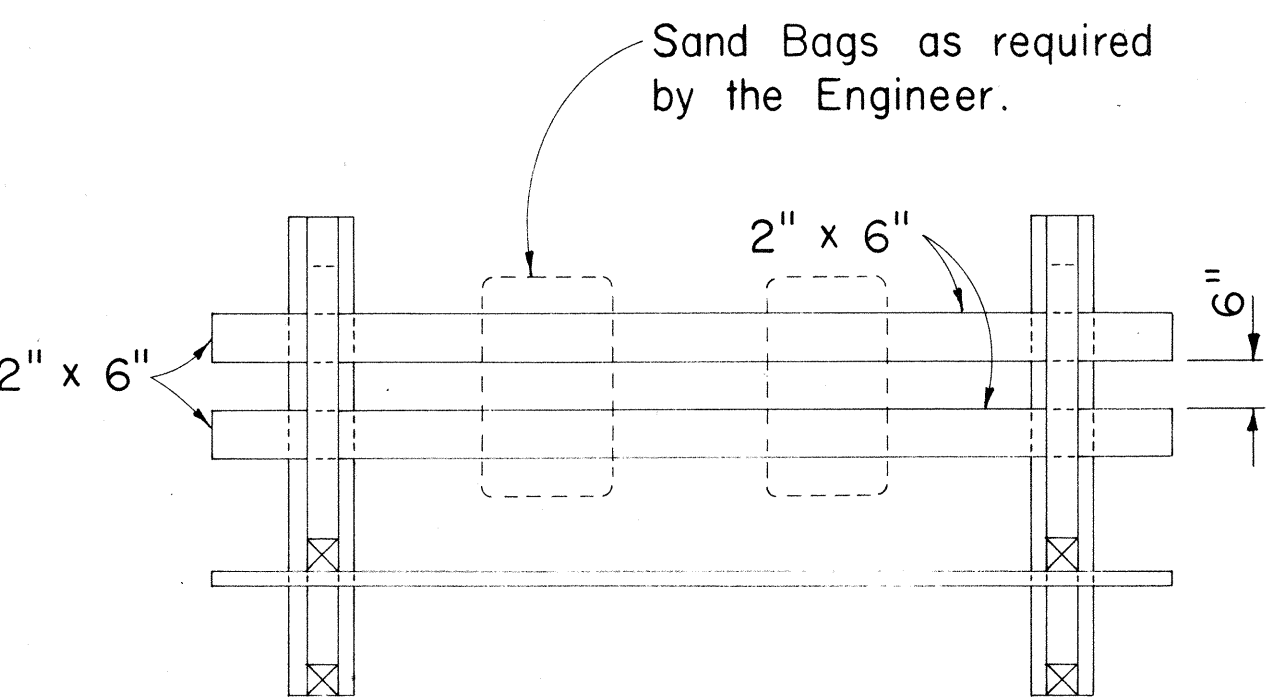


SIDE VIEW  
(SIGN FRAME WEIGHTED DOWN)  
Scale: 1/2" = 1'-0"

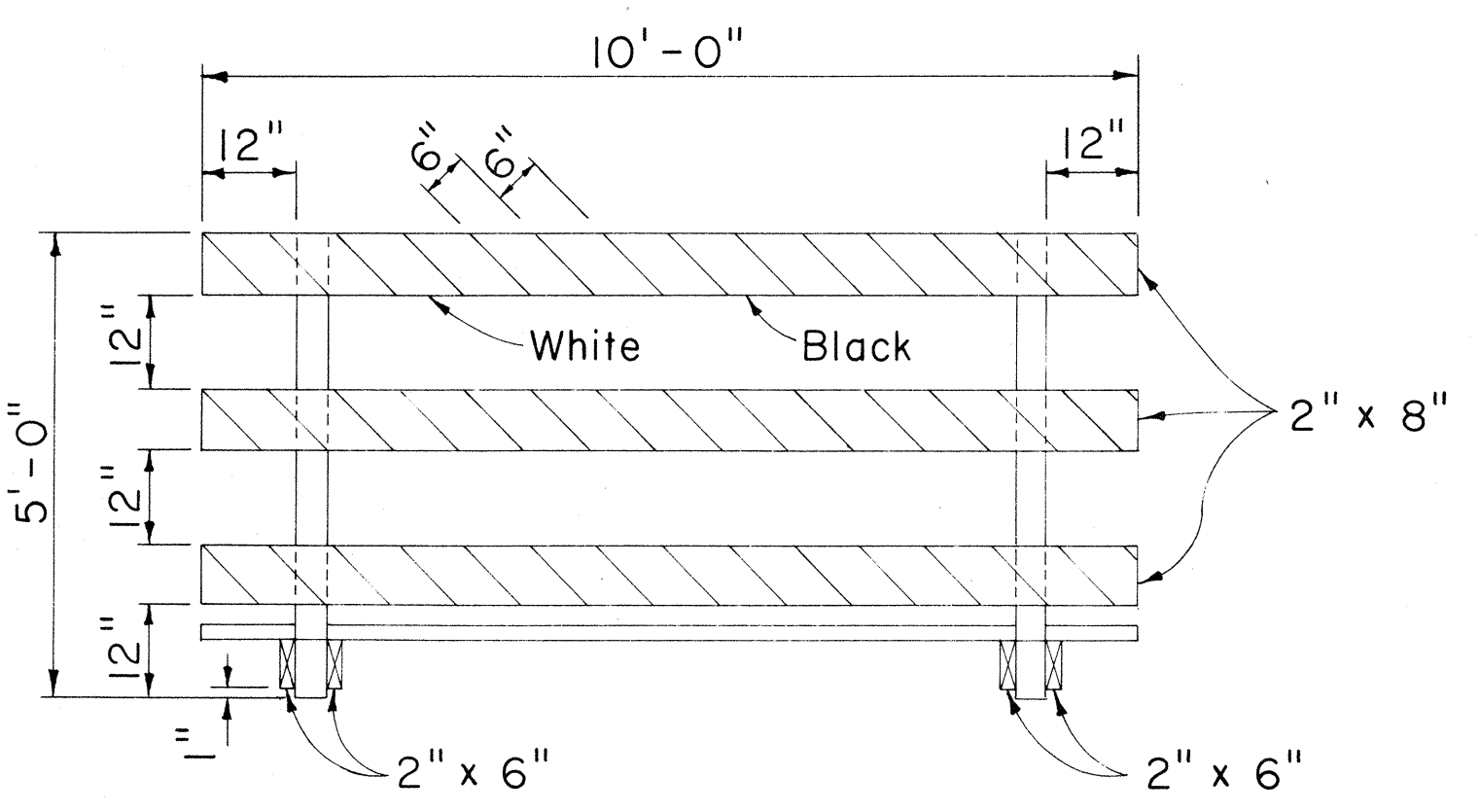


SIDE VIEW  
(SIGN FRAME ANCHORED IN GROUND)  
Scale: 1/2" = 1'-0"

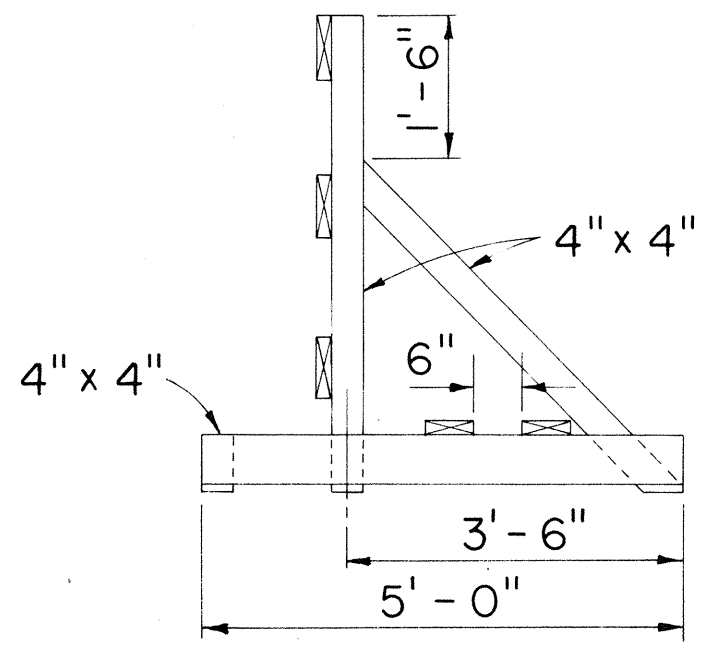
CONSTRUCTION IDENTIFICATION SIGN  
Scale: As Shown



PLAN VIEW

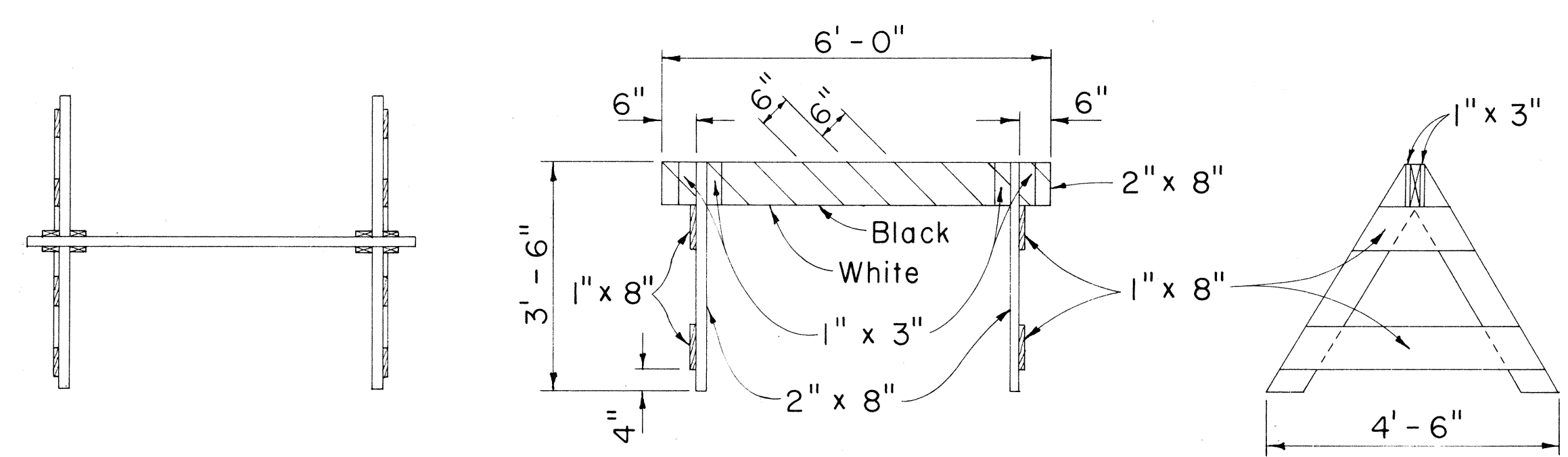


FRONT VIEW



### END VIEW

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



PLAN VIEW

CLASS II BARRICADE

---

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

|                  |                         |            |
|------------------|-------------------------|------------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY _____ | DATE _____ |
| NOTE BOOK        | DRAWN BY _____          | at _____   |
|                  | TRACED BY _____         | at _____   |
|                  | DESIGNED BY _____       | at _____   |
|                  | QUANTITIES BY _____     | at _____   |
| No. _____        | CHECKED BY _____        | at _____   |