

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | E-051-1(4)         | 1984        | 14        | 65           |



CW20-1a 48" x 48"



CW20-2d 48" x 48"



CW20-3b 48" x 48"



CW20-4d 48" x 48"



CW20-5d(L) 48" x 48"



CW20-7c 48" x 48"



CW21-1 30" x 30"



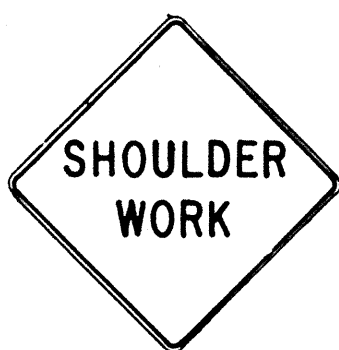
CW21-2 30" x 30"



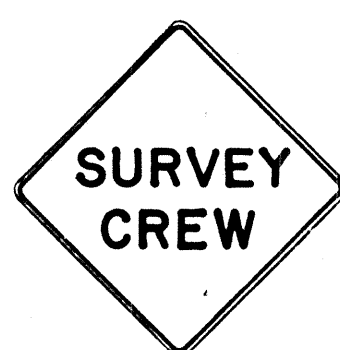
CW21-3 36" x 36"



CW21-4 36" x 36"



CW21-5 30" x 30"



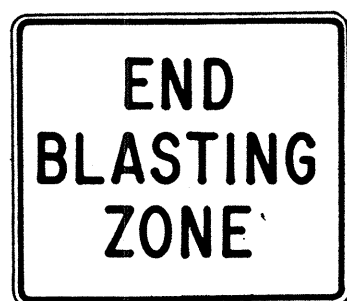
CW21-6 30" x 30"



CW22-1b 48" x 48"



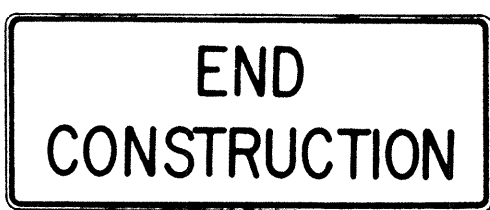
CW22-2 42" x 36"



CW22-3 42" x 36"



CG20-1(5) 60" x 36"



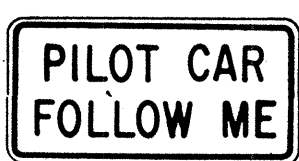
CG20-2 60" x 24"



CM4-9(R) 30" x 24"



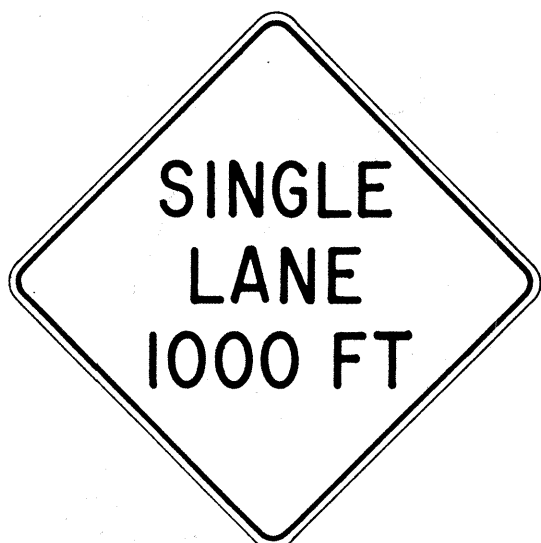
CM4-10(R) 48" x 18"



CG20-4 36" x 18"



CW23-1 36" x 36"



CW23-2b 48" x 48"



CW23-3(R) 48" x 48"

### GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All construction signs shall be reflectorized.
- All construction signs shall have  $\frac{3}{8}$ " bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- For "CW" series signs, suffixes a, b, c and d are as follows:  
a-1500 FT, b-1000 FT, c-500 FT and d-AHEAD.

APPROVAL RECOMMENDED:

*Erich Tanaka*  
TRAFFIC ENGINEER

3/21/72  
DATE

APPROVED:

*Arthur Salsich*  
ASSISTANT CHIEF, ENGINEERING

3/23/72  
DATE

| NO. | REVISION                                  | APPROVED BY | DATE     |
|-----|-------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 104 Approved 12-30-69  | H.T.        | 3/23/72  |
| 2   | Revised General Note 1                    | H.T.        | 10/16/74 |
| 3   | Revised General Note 2                    | H.T.        | 9-16-75  |
| 4   | Revised General Note 2 and sign CG20-1(5) | H.T.        | 7-14-76  |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

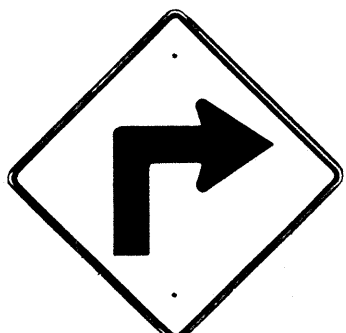
### STANDARD DETAILS CONSTRUCTION SIGNS

NOT TO SCALE Date: May, 1983

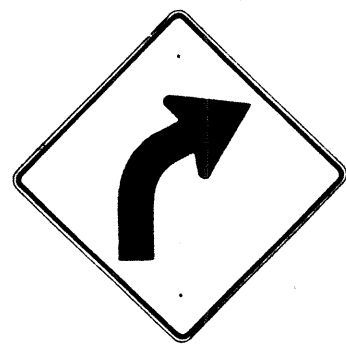
SHEET No. 14 OF 18 SHEETS DT 104

|               |             |            |      |
|---------------|-------------|------------|------|
| ORIGINAL PLAN | DESIGNED BY | CHECKED BY | DATE |
| NOTE BOOK     | DESIGNED BY | CHECKED BY |      |
| No.           |             |            |      |

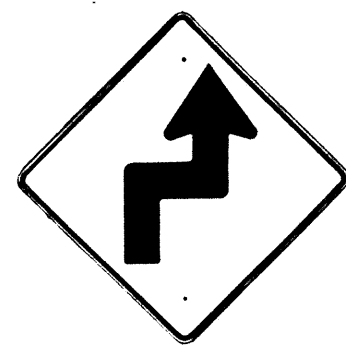
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-051-1(4)         | 1984        | 15        | 65           |



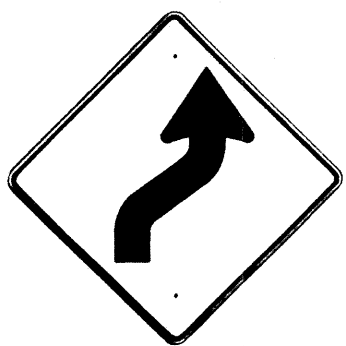
W1-1(R) 30"x 30"  
W1-1(R)-A 48"x 48"



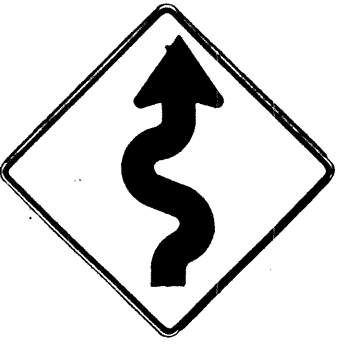
W1-2(R) 30"x 30"  
W1-2(R)-A 48"x 48"



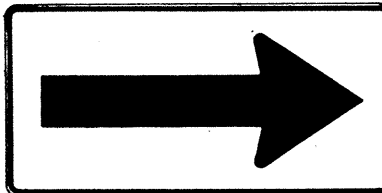
W1-3(R) 30"x 30"  
W1-3(R)-A 48"x 48"



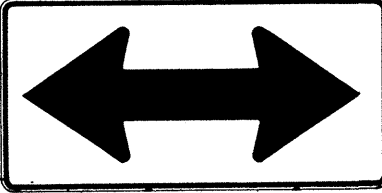
W1-4(R) 30"x 30"  
W1-4(R)-A 48"x 48"



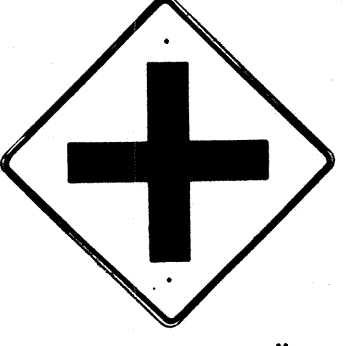
W1-5(R) 30"x 30"  
W1-5(R)-A 48"x 48"



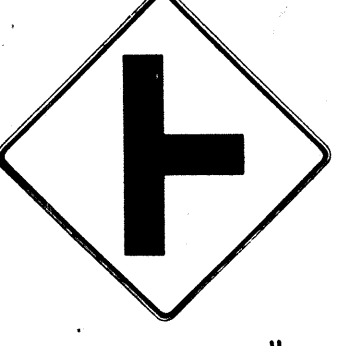
W1-6 48"x 24"



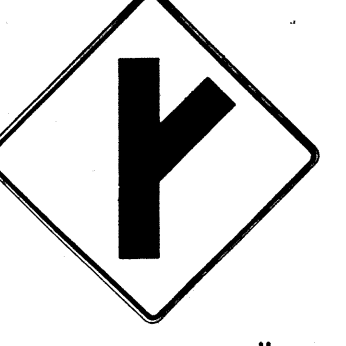
W1-7 48"x 24"



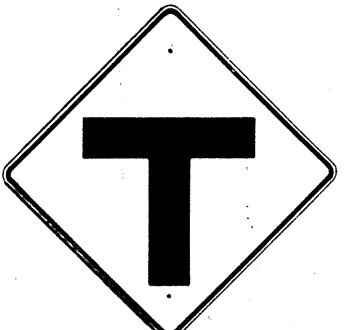
W2-1 30"x 30"  
W2-1-A 48"x 48"



W2-2 30"x 30"  
W2-2-A 48"x 48"



W2-3(R) 30"x 30"  
W2-3(R)-A 48"x 48"



W2-4 30"x 30"  
W2-4-A 48"x 48"



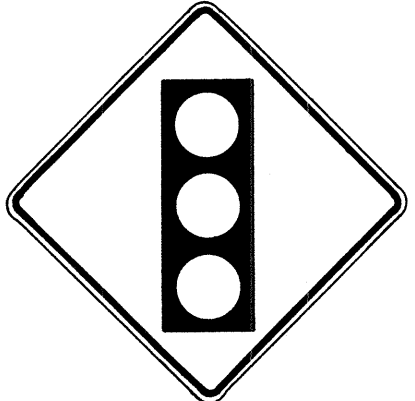
W2-5 30"x 30"  
W2-5-A 48"x 48"



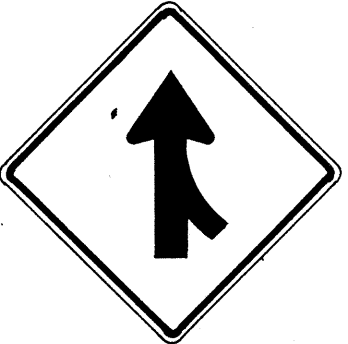
W3-1 30"x 30"  
W3-1-A 36"x 36"



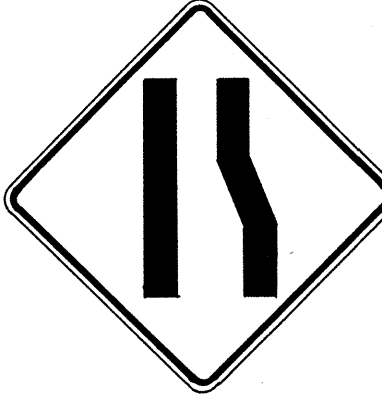
W3-2 30"x 30"  
W3-2-A 36"x 36"



SIGNAL AHEAD  
W3-3 36"x 36"  
24"x 18"



MERGE  
W4-1(R) 30"x 30"  
24"x 18"  
W4-1(R)-A 48"x 48"  
24"x 18"



W4-2(R) 36"x 36"  
W4-2(R)-A 48"x 48"



W5-1 36"x 36"



W5-2 30"x 30"  
W5-2-A 36"x 36"



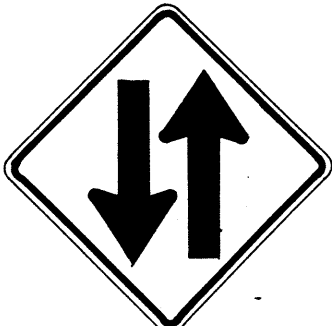
W5-3 36"x 36"



DIVIDED HIGHWAY  
W6-1 36"x 36"  
24"x 18"



DIVIDED HIGHWAY ENDS  
W6-2 36"x 36"  
24"x 18"



TWO WAY TRAFFIC  
W6-3 30"x 30"  
24"x 18"  
W6-3-A 36"x 36"  
24"x 18"  
W6-3-B 48"x 48"  
24"x 18"



HILL  
W7-1 30"x 30"  
24"x 18"  
W7-1-A 36"x 36"  
24"x 18"



USE LOW GEAR  
W7-2 24"x 18"



BUMP  
W8-1 30"x 30"  
W8-1-A 36"x 36"



DIP  
W8-2 30"x 30"  
W8-2-A 36"x 36"



PAVEMENT ENDS  
W8-3 30"x 30"  
W8-3-A 36"x 36"



SOFT SHOULDER  
W8-4 30"x 30"  
W8-4-A 36"x 36"



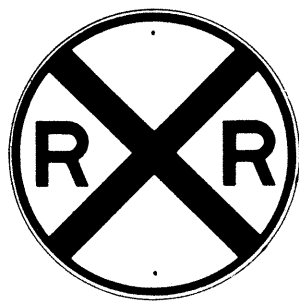
SLIPPERY WHEN WET  
W8-5 30"x 30"  
24"x 18"  
W8-5-A 36"x 36"  
24"x 18"



RIGHT LANE ENDS  
W9-1(R) 30"x 30"  
W9-1(R)-A 36"x 36"  
W9-1(R)-B 48"x 48"



LANE ENDS MERGE LEFT  
W9-2(L) 36"x 36"  
W9-2(L)-A 48"x 48"



W10-1 36" Diameter



BIKE XING  
W11-1 30"x 30"  
24"x 18"  
W11-1-A 36"x 36"  
24"x 18"



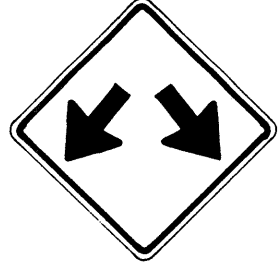
PED XING  
W11-2 30"x 30"  
24"x 18"  
W11-2-A 36"x 36"  
24"x 18"



CATTLE XING  
W11-4 30"x 30"  
24"x 18"  
W11-4-A 36"x 36"  
24"x 18"



FARM MACHINERY  
W11-5 30"x 30"  
24"x 18"  
W11-5-A 36"x 36"  
24"x 18"



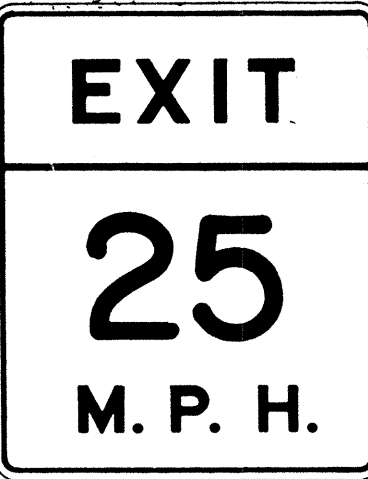
W12-1 24"x 24"  
W12-1-A 36"x 36"  
W12-1-B 48"x 48"



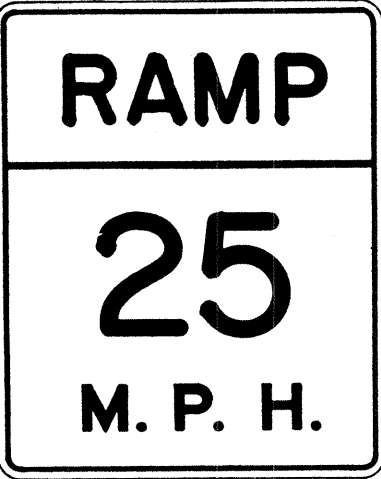
12'-6"  
LOW CLEARANCE  
W12-2 (12'-6") 36"x 36"  
24"x 18"



25 M.P.H.  
W13-1(25) 18" x 18"  
W13-1(25)-A 24" x 24"



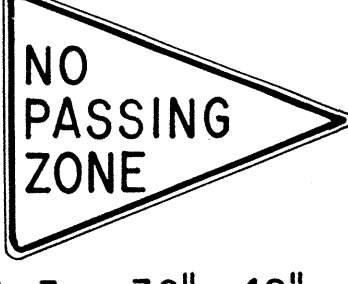
EXIT 25 M. P. H.  
W13-2(25) 48" x 60"



RAMP 25 M. P. H.  
W13-3(25) 48" x 60"



DEAD END  
W14-1 30"x 30"



NO PASSING ZONE  
W14-3 36" x 48" x 48"

### GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All warning signs shall be reflectorized unless otherwise specified.
- All warning signs shall have 3/8" bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- Signs prefixed with "CW" on the plans shall indicate orange and black construction signs, and shall be reflectorized.

APPROVAL RECOMMENDED:  
*Eishi Tanaka* 3/17/12  
 TRAFFIC ENGINEER DATE

APPROVED:  
*Walter Dalsino* 3-20-12  
 ASSISTANT CHIEF, ENGINEERING DATE

| NO. | REVISION                                 | APPROVED BY | DATE     |
|-----|------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 102 Approved 12-30-69 | H.T.        | 3/20/12  |
| 2   | Revised General Note 1                   | H.T.        | 10/16/14 |
| 3   | Revised General Note 5                   | MT          | 9-16-15  |
| 4   | Revised General Note 5                   | H.T.        | 9-14-16  |
| 5   | Added Note 1                             | H.T.        | 11-9-19  |

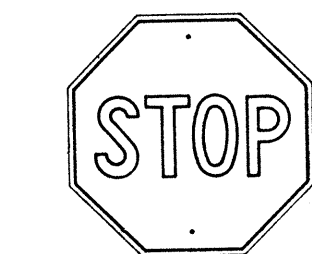
STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

STANDARD DETAILS  
 WARNING SIGNS

NOT TO SCALE Date: May, 1983  
 SHEET No. 15 OF 18 SHEETS DT 102

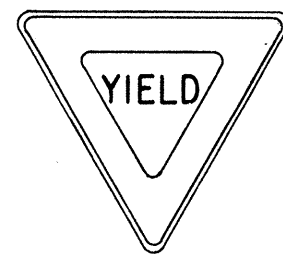
|                   |       |
|-------------------|-------|
| DATE              | _____ |
| SURVEY PLOTTED BY | _____ |
| DRAWN BY          | _____ |
| DESIGNED BY       | _____ |
| CHECKED BY        | _____ |
| NO.               | _____ |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-051-1(4)         | 1984        | 16        | 65           |



R1-1 30" x 30"  
R1-1-A 36" x 36"

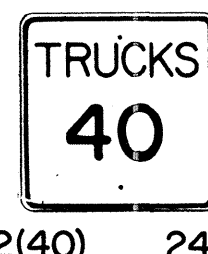
4-WAY  
R1-3 12" x 6"  
R1-3-A 18" x 9"



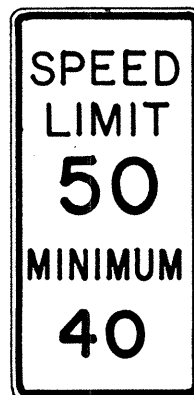
R1-2 36" x 36" x 36"  
R1-2-A 48" x 48" x 48"



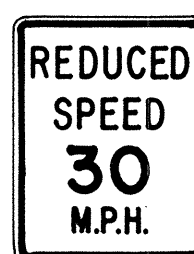
R2-1(50) 24" x 30"  
R2-1(50)-A 48" x 60"



R2-2(40) 24" x 24"  
R2-2(40)-A 48" x 48"



R2-4a(50/40) 24" x 48"  
R2-4a(50/40)-A 48" x 96"



R2-5b(30) 24" x 30"  
R2-5b(30)-A 48" x 60"



R3-1 24" x 24"  
24" x 18"  
R3-1-A 48" x 48"  
48" x 36"



R3-2 24" x 24"  
24" x 18"  
R3-2-A 48" x 48"  
48" x 36"



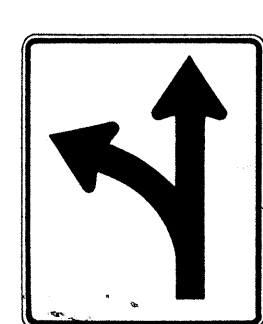
R3-3 24" x 24"  
R3-3-A 48" x 48"



R3-4 24" x 24"  
24" x 18"  
R3-4-A 48" x 48"  
48" x 36"



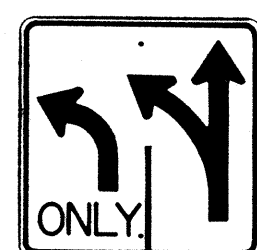
R3-5(L) 30" x 36"  
R3-5(L)-A 48" x 60"



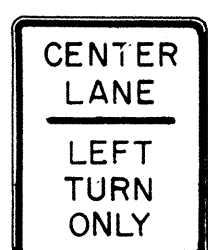
R3-6(L) 30" x 36"  
R3-6(L)-A 48" x 60"



R3-7(R) 30" x 30"  
R3-7(R)-A 48" x 48"



R3-8(L) 30" x 30"  
R3-8(L)-A 36" x 36"  
R3-8(L)-B 48" x 48"



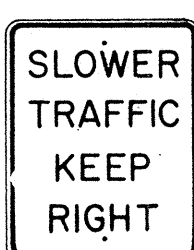
R3-9 24" x 30"



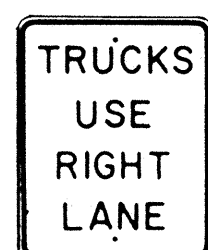
R4-1 24" x 30"



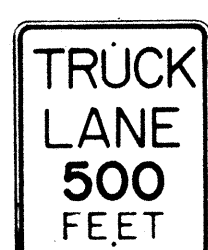
R4-2 24" x 30"



R4-3 24" x 30"  
R4-3-A 48" x 60"



R4-5 24" x 30"



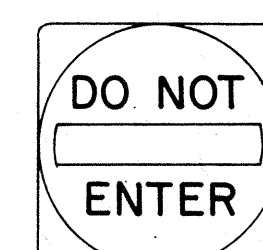
R4-6(500) 24" x 30"



R4-7 24" x 30"  
24" x 18"



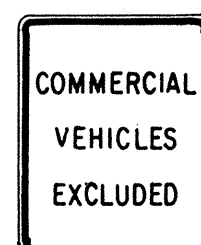
R4-8 24" x 30"  
24" x 18"



R5-1 30" x 30"  
R5-1-A 48" x 48"



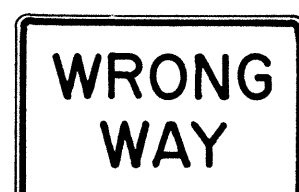
R5-2 24" x 24"  
24" x 18"



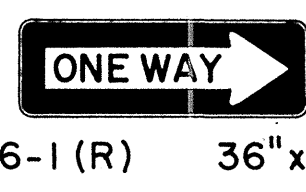
R5-4 24" x 30"



R5-6 24" x 24"  
24" x 18"



R5-9 36" x 24"



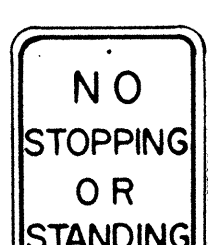
R6-1(R) 36" x 12"



R6-2(R) 18" x 24"



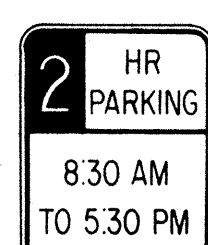
R7-1 12" x 18"  
R7-1-A 24" x 30"



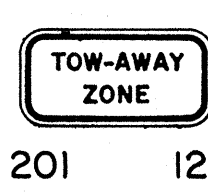
R7-4 12" x 18"  
R7-4-A 24" x 30"



R7-1a(7(R)) 12" x 18"



R7-108 12" x 18"



R7-201 12" x 6"  
R7-201-A 24" x 12"



R8-1 24" x 30"



R8-2 24" x 30"



R8-3 24" x 30"



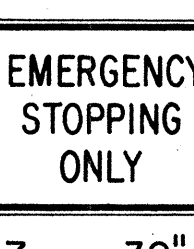
R8-4 30" x 24"  
R8-4-A 48" x 36"



R8-5 24" x 30"



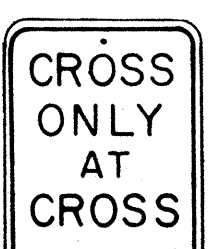
R8-6 24" x 30"



R8-7 30" x 24"  
R8 7-A 48" x 36"



R9-1 18" x 24"



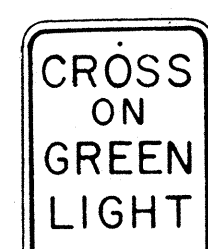
R9-2 12" x 18"



R9-3 12" x 18"



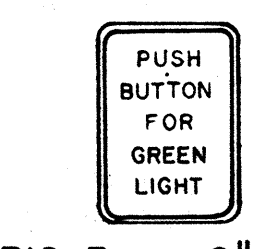
R9-4 18" x 24"



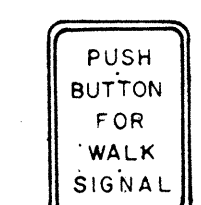
R10-1 12" x 18"



R10-2 12" x 18"



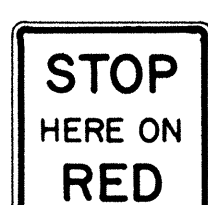
R10-3 9" x 12"



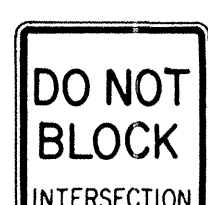
R10-4 9" x 12"



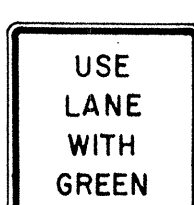
R10-5 24" x 30"



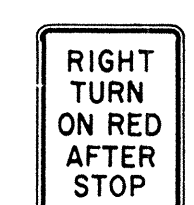
R10-6 24" x 36"



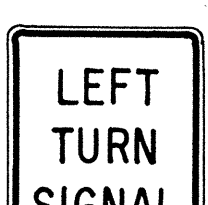
R10-7 24" x 30"



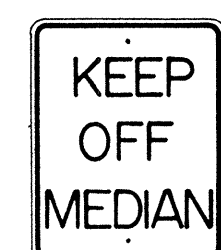
R10-8 24" x 30"



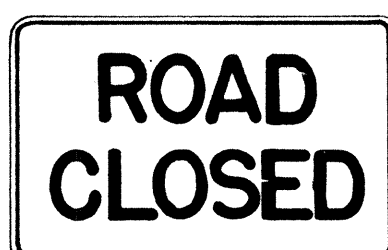
R10-9 24" x 30"



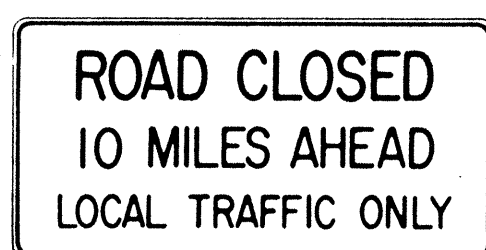
R10-10 24" x 30"



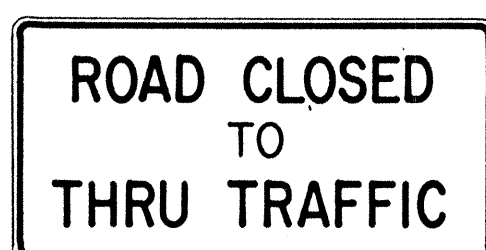
R11-1 24" x 30"



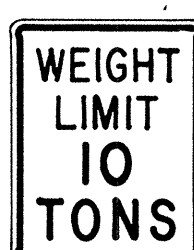
R11-2 48" x 30"



R11-3(10) 60" x 30"



R11-4 60" x 30"



R12-1(10) 24" x 30"

## GENERAL NOTES

- Sign details shall conform to the FHWA publications "Manual on Uniform Traffic Control Devices for Streets and Highways," 1971, and "Standard Highway Signs," 1972, and as amended.
- All regulatory signs shall be reflectorized unless otherwise specified.
- All regulatory signs shall have 3/8" bolt holes drilled at appropriate locations.
- Numerals in ( ) indicates numerals to be inserted for sign message. (R) or (L) indicates right or left.
- All signs shall be erected without educational plaques unless called for in the plans.

APPROVAL RECOMMENDED:  
*Eishi Tanaka* 3/17/72  
TRAFFIC ENGINEER DATE

APPROVED:  
*Robert Roberts* 3-20-72  
ASSISTANT CHIEF, ENGINEERING DATE

| NO. | REVISION                                 | APPROVED BY | DATE     |
|-----|------------------------------------------|-------------|----------|
| 1   | Supersedes Sht. DT 101 Approved 12-30-69 | H.I.        | 3/20/72  |
| 2   | Revised General Note 1.                  | H.I.        | 10/10/74 |
| 3   | Added General Note 5                     | H.I.        | 8/9/75   |

|                                                                      |  |
|----------------------------------------------------------------------|--|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |  |
| <b>STANDARD DETAILS</b><br><b>REGULATORY SIGNS</b>                   |  |
| NOT TO SCALE Date: May, 1983                                         |  |
| SHEET No. 16 OF 18 SHEETS DT 101                                     |  |

|                   |       |
|-------------------|-------|
| DATE              | ***** |
| SURVEY PLOTTED BY |       |
| DRAWN BY          |       |
| TRACED BY         |       |
| DESIGNED BY       |       |
| CHECKED BY        |       |
| NOTE BOOK         |       |
| No.               |       |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-051-1(4)         | 1984        | 17        | 65           |

# General Notes

- Sign details shall conform to the latest editions of the following FHWA publications:
  - "Standard Alphabets for Highway Signs," and as amended.
  - "Standard Highway Signs," and as amended.
  - "Manual on Uniform Traffic Control Devices for Streets and Highways," and as amended.
- All signs shall be reflectorized with reflective sheeting, unless otherwise specified.
- All signs shall have  $\frac{3}{8}$ " bolt holes drilled at appropriate locations.
- Numerals in ( ) indicate numerals to be inserted for sign message. (R) or (L) indicates right or left.
- Signs prefixed with "CW" on the plans shall indicate orange and black construction signs, and shall be reflectorized with reflective sheeting.
- All signs shall be erected without educational plaques unless called for in the plans.

ALL WAY  
R1-4 18"x 6"

REDUCED SPEED  
35  
AHEAD  
R2-5d(35) 24" x 30"  
R2-5d(35)-A 48" x 60"

SPEED LIMIT  
ENFORCED  
BY  
VASCAR  
4" Series D  
4" Series C  
3" Series D  
5" Series C  
R2-10 24"x 30"

CENTER  
LANE  
ONLY  
R3-9b 24"x 36"

BUS STOP  
R7-107(R) 12" x 24"

RESERVED  
PARKING  
R7-8 12"x 18"  
R7-8-A 24"x 30"

ANY TIME  
R8-3a 24" x 24"  
24" x 18"  
R8-3a-A 48" x 48"

NO PED  
XING  
R9-3a 18"x 18"  
18" x 12"  
R9-3a-A 24"x 24"  
24" x 18"

USE  
CROSSWALK  
R9-3b(R) 18" x 12"

USE  
CROSSWALK  
R9-3b(L) 18" x 12"

NO  
TURN  
ON  
RED  
R10-11a 24" x 30"

TURN  
RIGHT  
ANY TIME  
WITH  
CAUTION  
4" Series C  
R16-1 24" x 30"

NO LEFT  
TURN  
ON  
RED  
4" Series D -  
3" Series D -  
2" Series D -  
3" Series D -  
R16-3 18" x 24"

NO RIGHT  
TURN  
ON  
RED  
R16-4 18" x 24"

UNLICENSED  
VEHICLES  
BICYCLES, CYCLES  
UNDER 5 H.P.,  
PEDESTRIANS  
KEEP OUT  
FREEWAY  
3" Series C  
4" Series E  
R16-5 36" x 42"

TURN  
AHEAD  
8" Series F  
5" Series D  
R16-6 24" x 30"

U  
TURN  
OK  
8" Series F  
5" Series D  
R16-7 24" x 30"

MOTOR-DRIVEN  
CYCLES  
PROHIBITED  
4" Series B  
R5-8 30" x 24"

W17-1(L) 60" x 60"

STOP  
AHEAD  
W3-1a 36" x 36"  
24" x 18"  
W3-1a-A 48" x 48"  
24" x 18"

YIELD  
AHEAD  
W3-2a 36" x 36"  
24" x 18"  
W3-2a-A 48" x 48"  
24" x 18"

STOP  
AHEAD  
WHEN  
FLASHING  
6" Series C  
W3-4 48" x 48"

TRUCK  
CROSSING  
W8-6 30" x 30"  
W8-6-A 36" x 36"

THRU  
TRAFFIC  
MERGE  
LEFT  
6" Series E  
W9-3(L) 48" x 48"

EQUESTRIAN  
XING  
W11-7 36" x 36"  
24" x 18"  
W11-7-A 48" x 48"  
24" x 18"

FIRE  
STATION  
W11-8 36" x 36"  
24" x 18"  
W11-8-A 48" x 48"  
24" x 18"

W11-9 36" x 36"  
W11-9-A 48" x 48"

LIMITED  
SIGHT  
DISTANCE  
W14-4 36" x 36"  
W14-4-A 48" x 48"

DELAYED  
GREEN  
4" Series C  
W15-1 24" x 24"

ADVANCE  
GREEN  
W15-2 24" x 24"

END  
FREEWAY  
1/2 MI  
8" Series E  
CW16-1( $\frac{1}{2}$ ) 60" x 60"

RIGHT  
LANE  
EXIT  
ONLY  
8" Series E  
W18-1 48" x 60"

SI-1 36" x 36"

S2-1 36" x 36"

SCHOOL  
BUS STOP  
AHEAD  
S3-1 30" x 30"

8:00 AM  
TO 3:30 PM  
S4-1 24" x 10"

WHEN  
CHILDREN  
ARE PRESENT

S4-2 24" x 10"

SCHOOL  
S4-3 24" x 8"

WHEN  
FLASHING

S4-4 24" x 10"

SIDEWALK  
CLOSED  
7" Series D  
CW23-4 48" x 48"

USE  
SIDEWALK  
4" Series C  
R18-1 24" x 18"

APPROVAL RECOMMENDED:  
*Eishi Tanaka*  
TRAFFIC ENGINEER  
5/2/78  
DATE

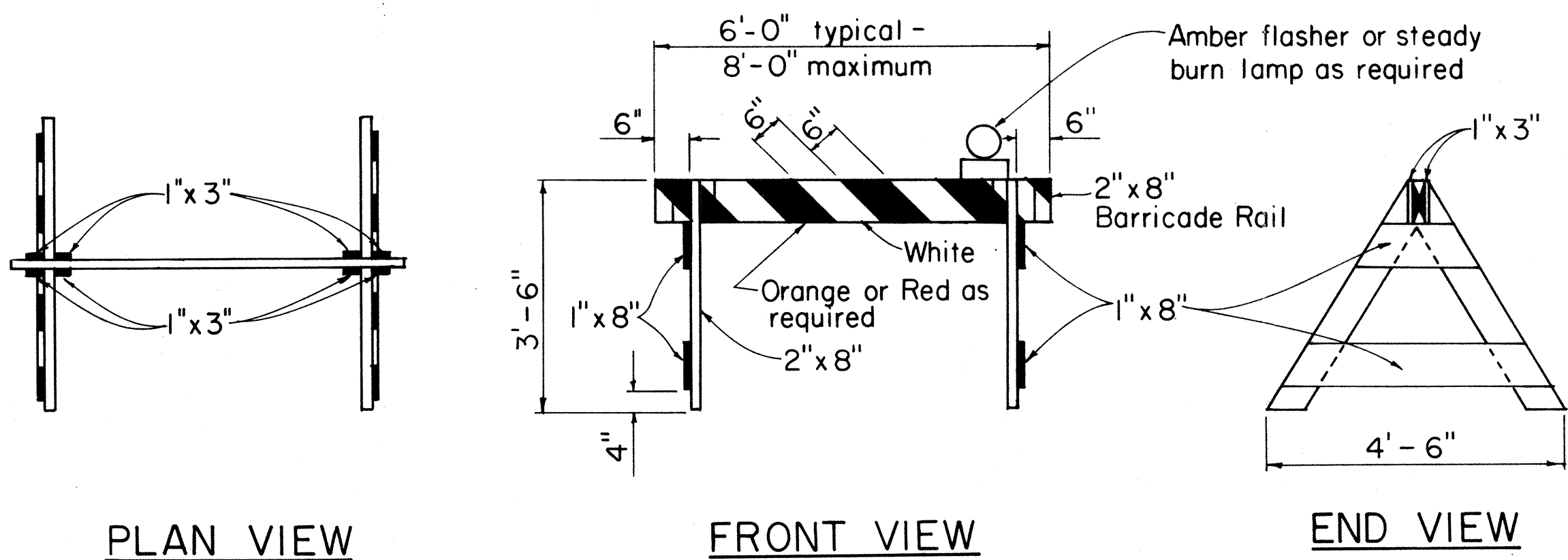
APPROVED:  
*Robert Z. Takeishi*  
ASSISTANT CHIEF, ENGINEERING  
5/3/78  
DATE

| NO. | REVISION                               | APPROVED BY | DATE    |
|-----|----------------------------------------|-------------|---------|
| 1   | Supersedes Sht. DT103 approved 3/20/72 | H.T.        | 5/3/78  |
| 2   | Added General Note 6                   | H.T.        | 11/9/78 |

|                                                                      |                 |
|----------------------------------------------------------------------|-----------------|
| STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION |                 |
| STANDARD DETAILS                                                     |                 |
| MISCELLANEOUS SIGNS                                                  |                 |
| NOT TO SCALE                                                         | DATE: MAY, 1978 |
| SHEET NO. 17 OF 18 SHEETS, DT 103                                    |                 |

|                  |                   |      |
|------------------|-------------------|------|
| ORIGINAL<br>PLAN | SURVEY PLOTTED BY | DATE |
| DESIGNED BY      | DRAWN BY          |      |
| NOTED BY         | CHECKED BY        |      |
| QUANTITIES BY    |                   |      |
| NO.              |                   |      |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | F-051-1(4)         | 1984        | 18        | 65           |



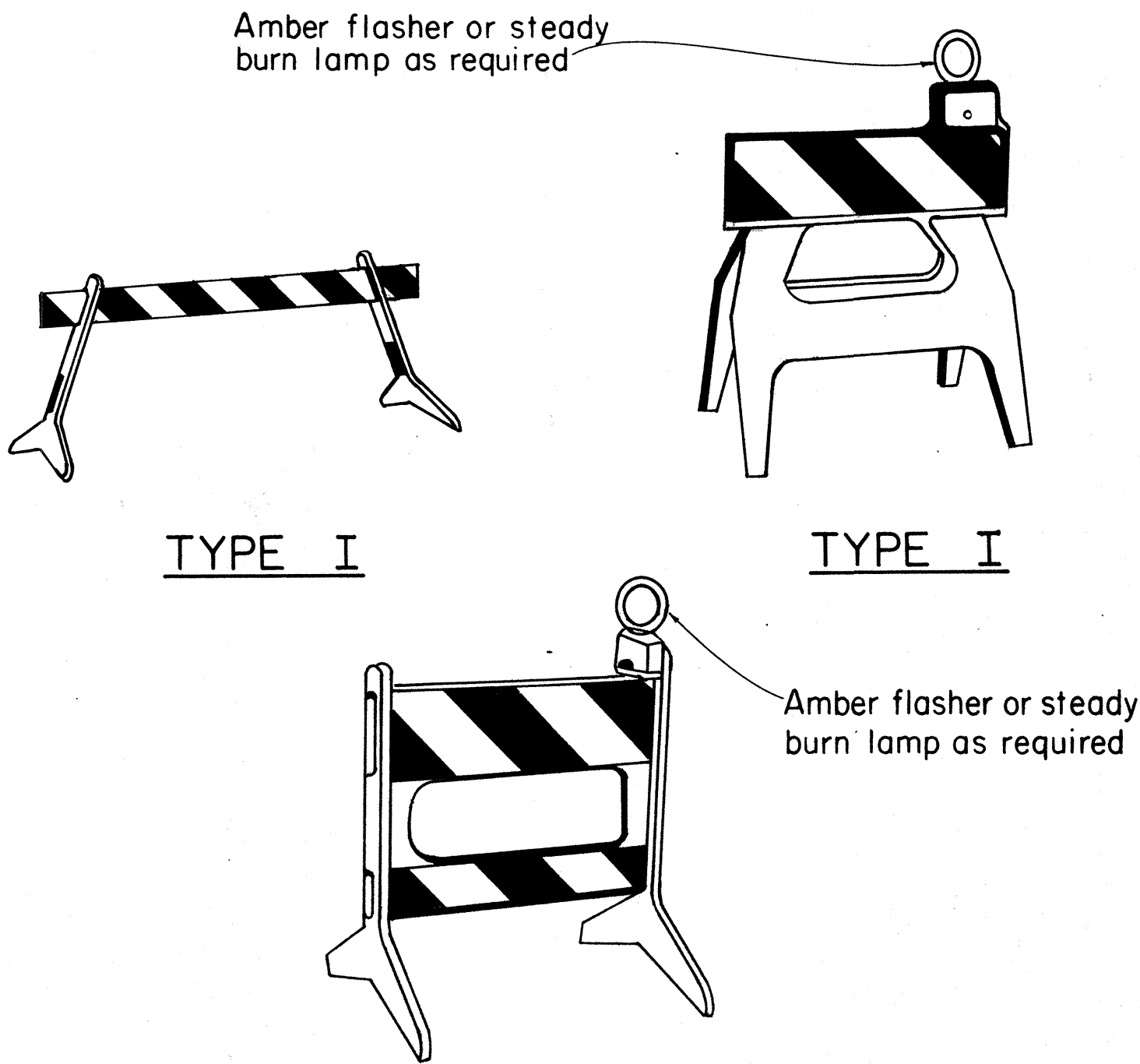
PLAN VIEW

FRONT VIEW

END VIEW

### TYPE I BARRICADE

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



TYPE I

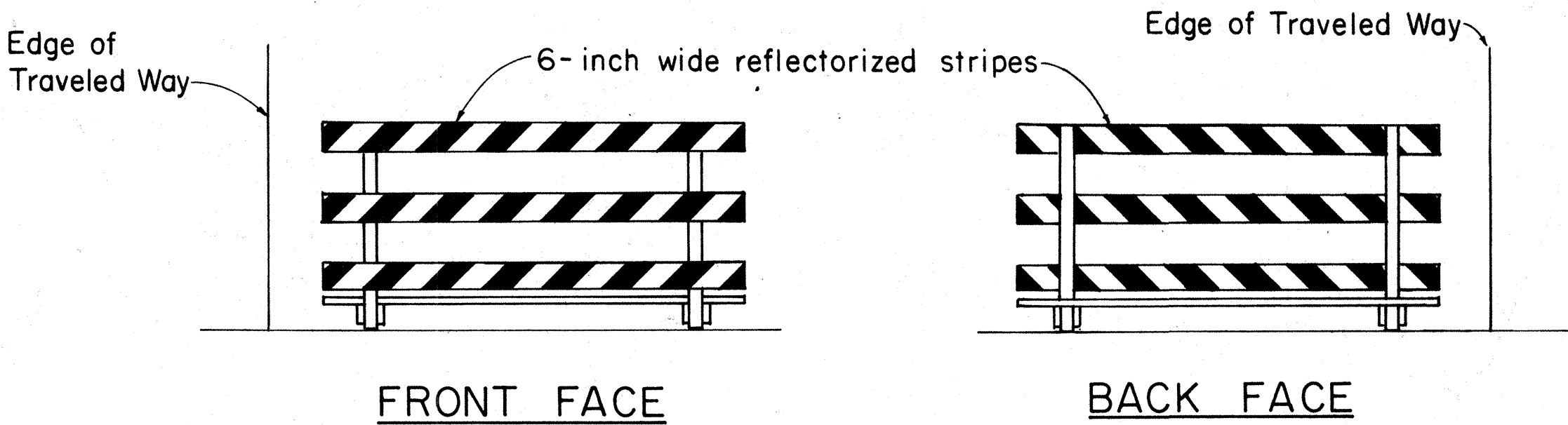
TYPE I

TYPE II

### PLASTIC MOLDED BARRICADE OPTIONS\*

Not to Scale

\* Shop Drawings must be submitted for approval.



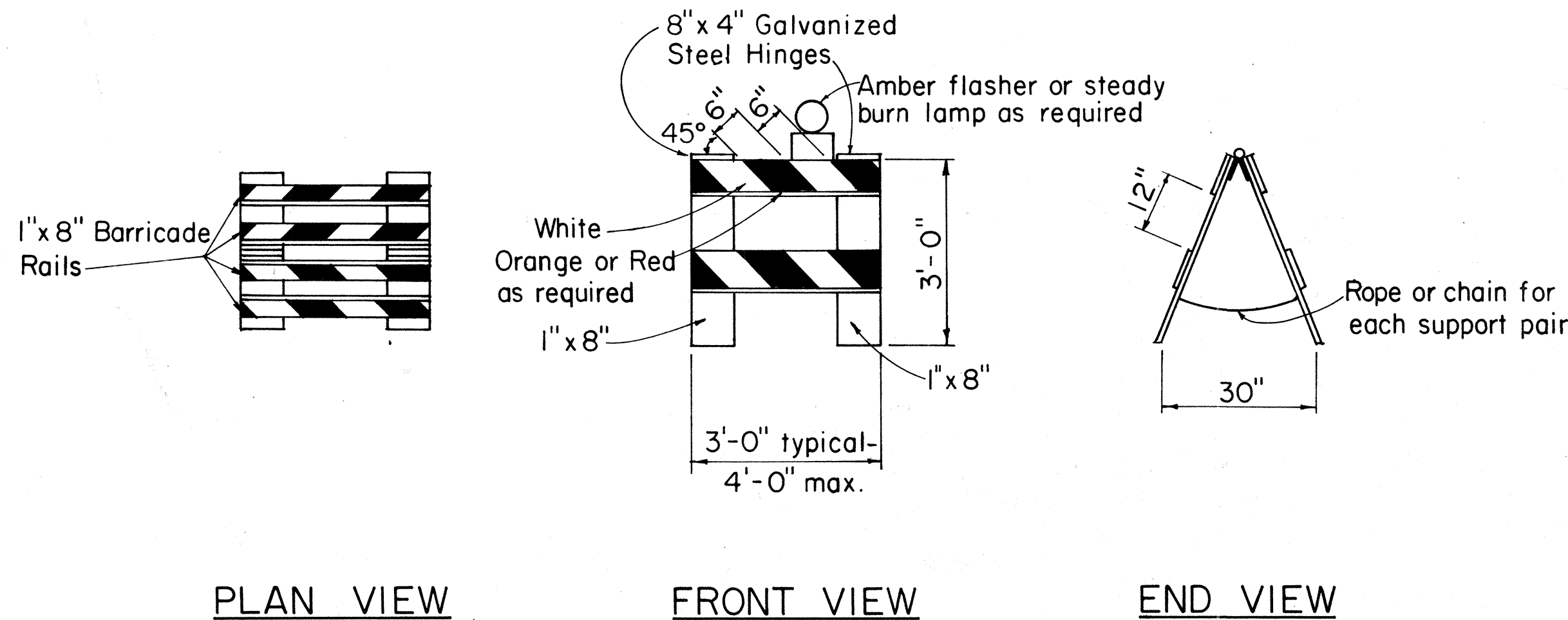
FRONT FACE

BACK FACE

### TYPICAL BARRICADE STRIPING DETAILS\*\*

Not to Scale

\*\* Similar for Types I & II



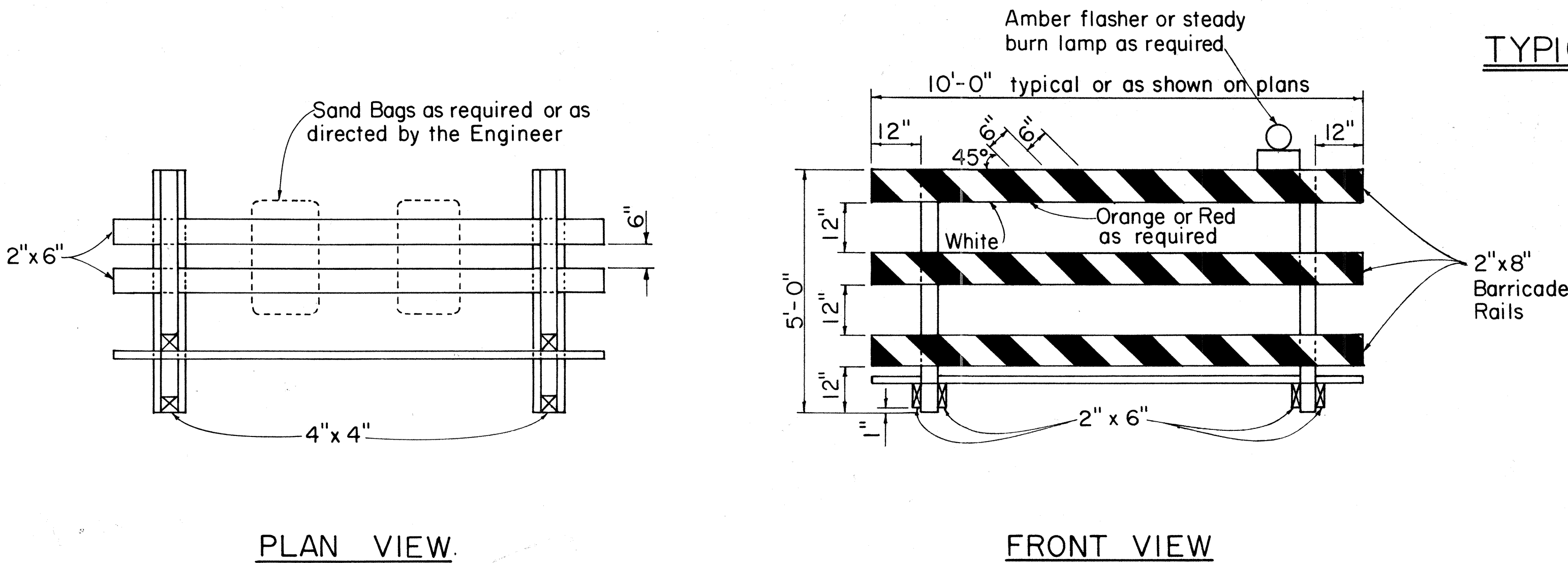
PLAN VIEW

FRONT VIEW

END VIEW

### TYPE II BARRICADE

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

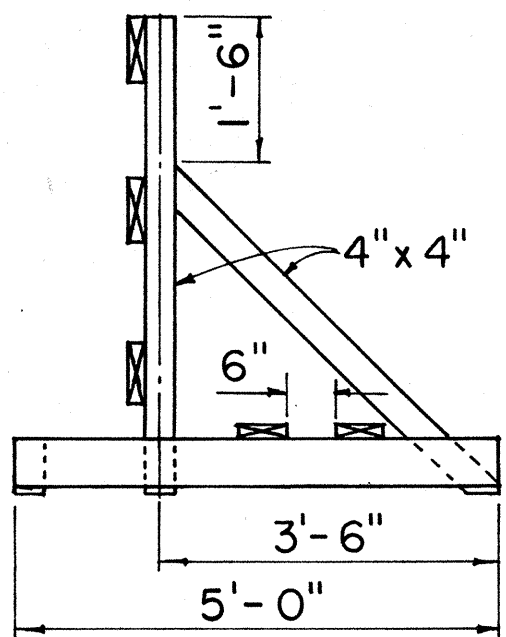


PLAN VIEW

FRONT VIEW

### TYPE III BARRICADE

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



END VIEW

APPROVAL RECOMMENDED:

*Eichi Tanaka*  
TRAFFIC ENGINEER

10/21/81  
DATE

APPROVED:

*Harold Z. Zehner*  
ASSISTANT CHIEF, ENGINEERING

10/23/81  
DATE

| NO. | REVISION                               | APPROVED BY | DATE     |
|-----|----------------------------------------|-------------|----------|
| 1   | Supersedes DT 800<br>Approved 12/30/69 | H.T.        | 10/23/81 |

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

STANDARD DETAILS

BARRICADES

SCALE: As Shown Date: May, 1983

SHEET NO. 18 OF 18 SHEETS DT 800