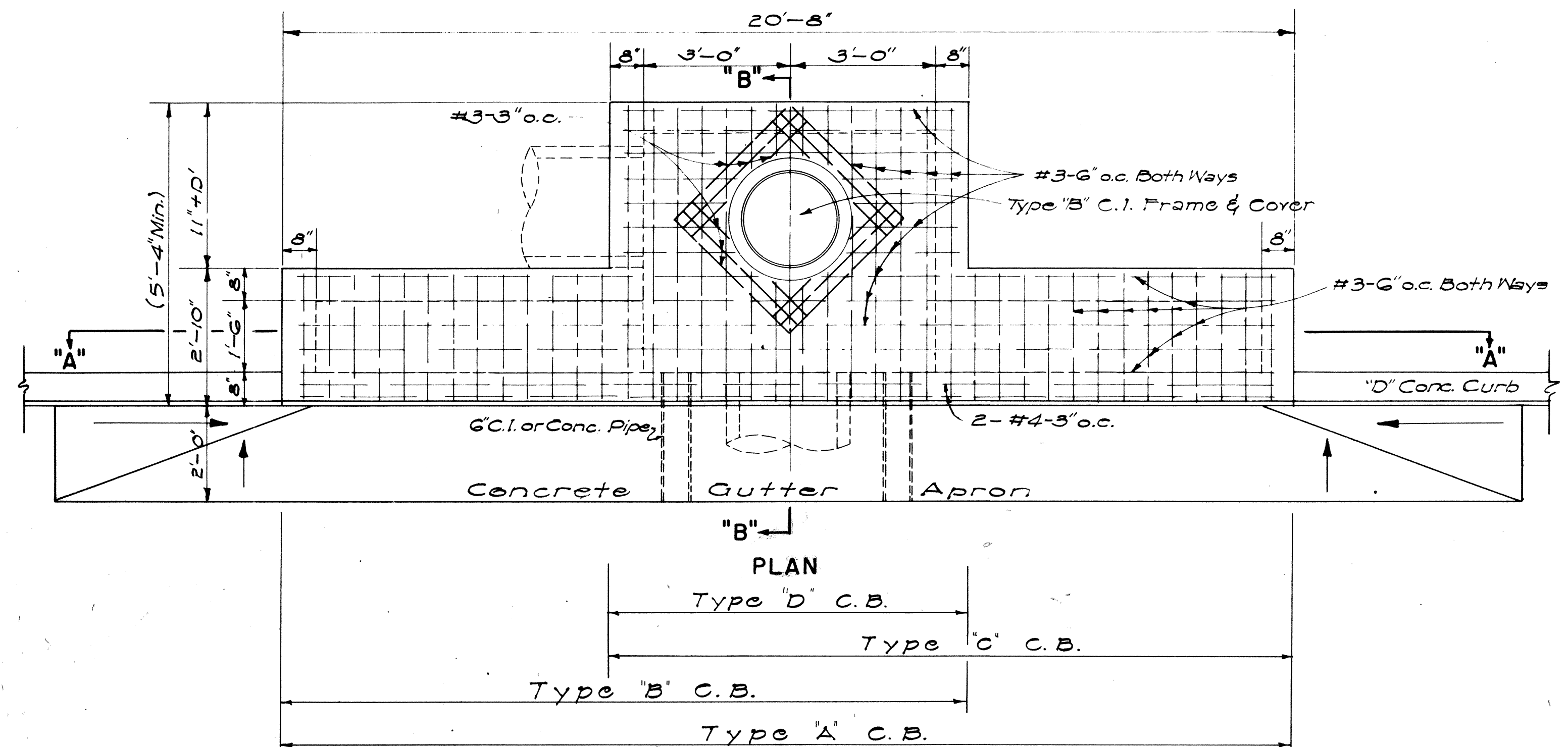
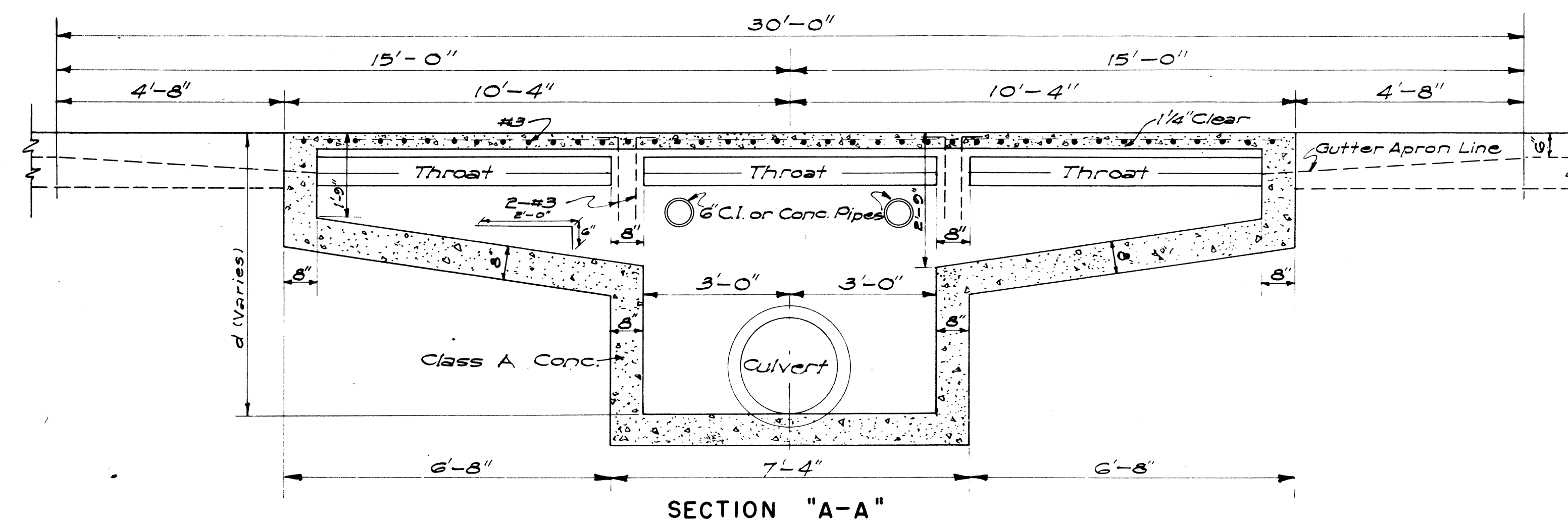
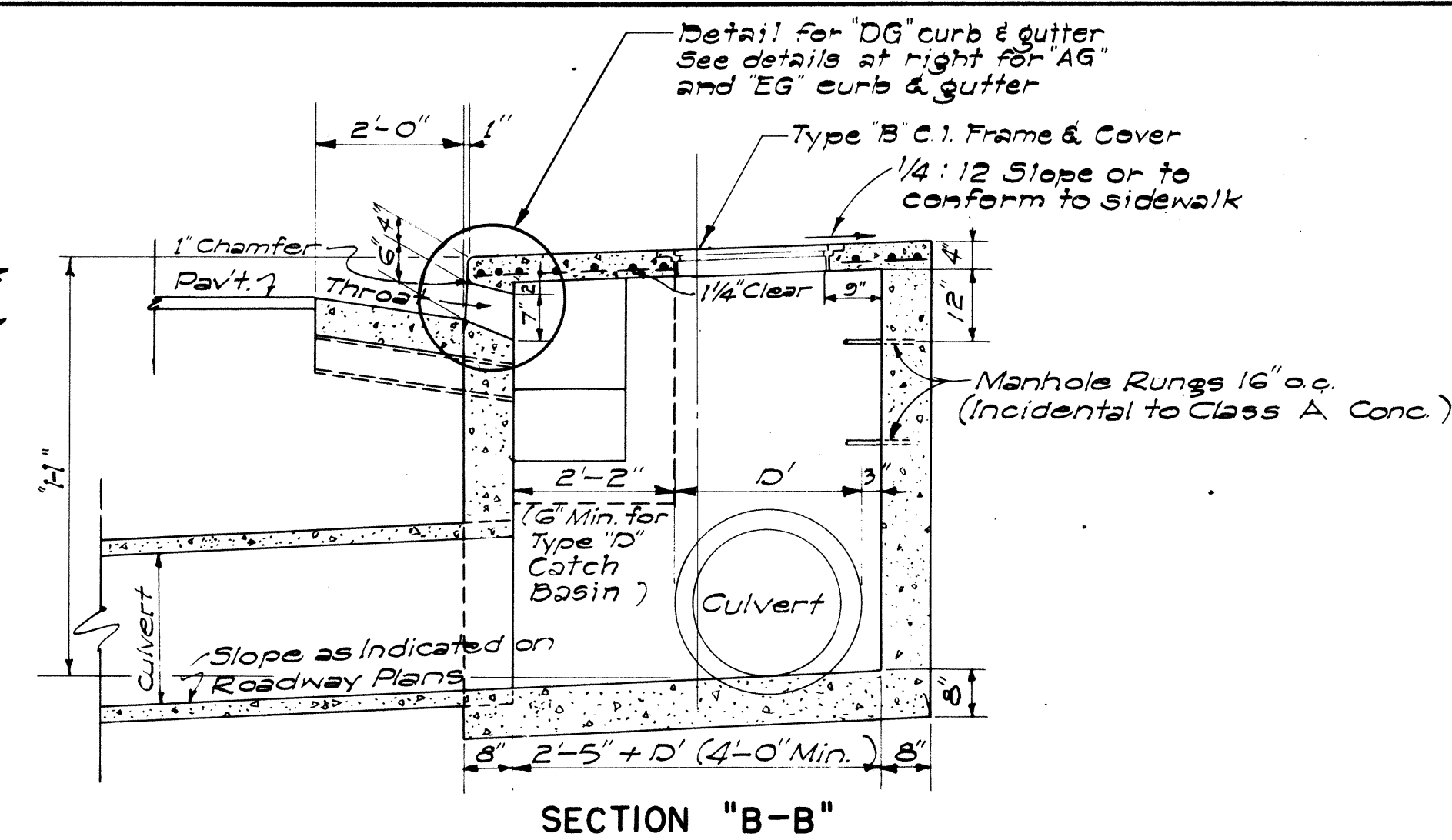


ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
	DESIGNED BY <u>C. M.</u>	".....
	DRAWN BY <u>J. W.</u>	".....
NOTE BOOK	TRACED BY.....	".....
	QUANTITIES BY.....	".....
No.	CHECKED BY.....	".....

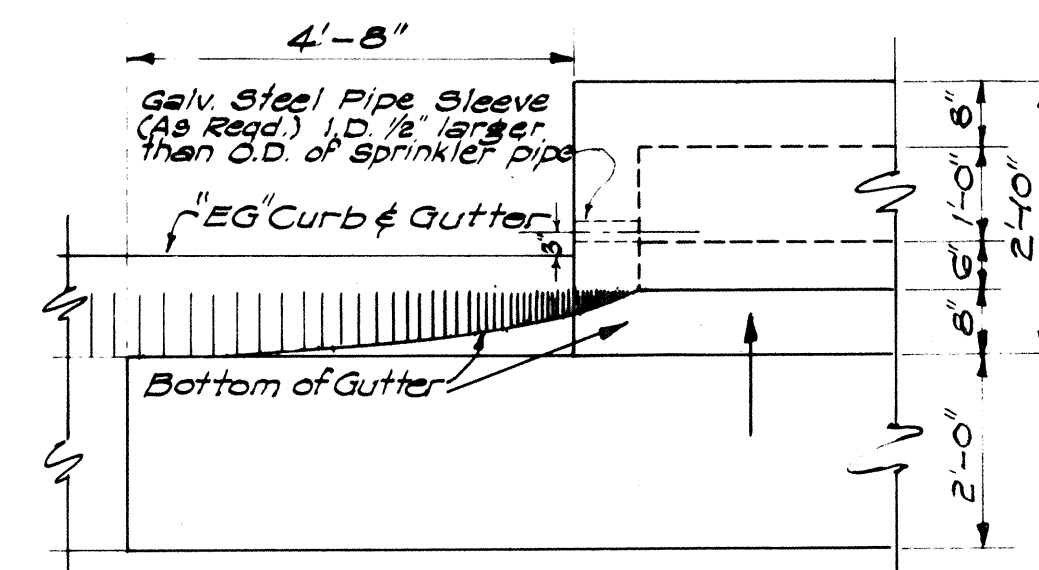


DETAILS OF TYPES "A", "B", "C" AND "D" CATCH BASINS

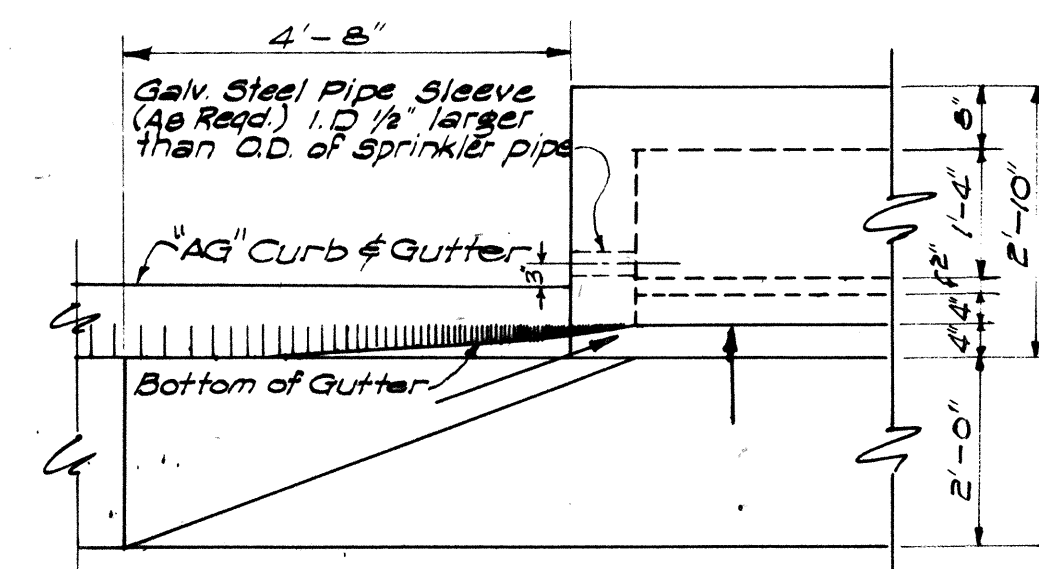
SCALE: 1/2" = 1' - 0"



DETAIL OF CATCH BASIN WITH "EG" CURB & GUTTER

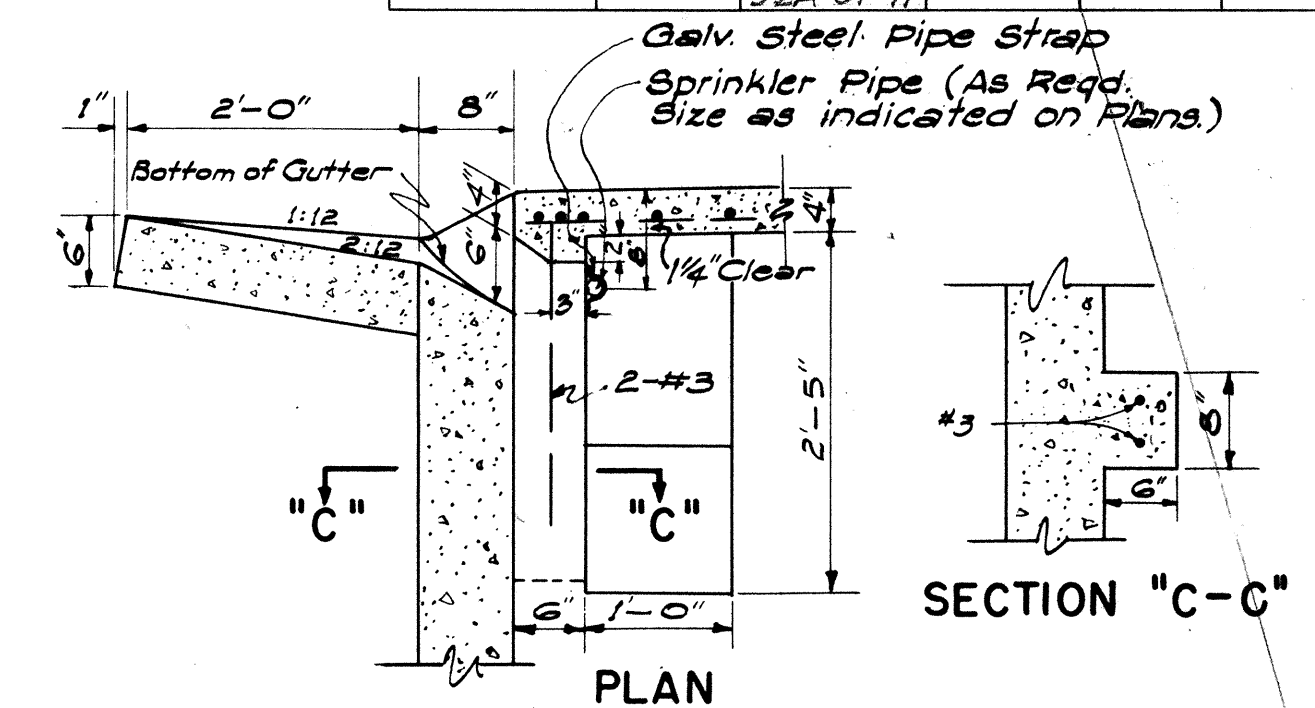


DETAIL OF CATCH BASIN WITH "AG" CURB & GUTTER



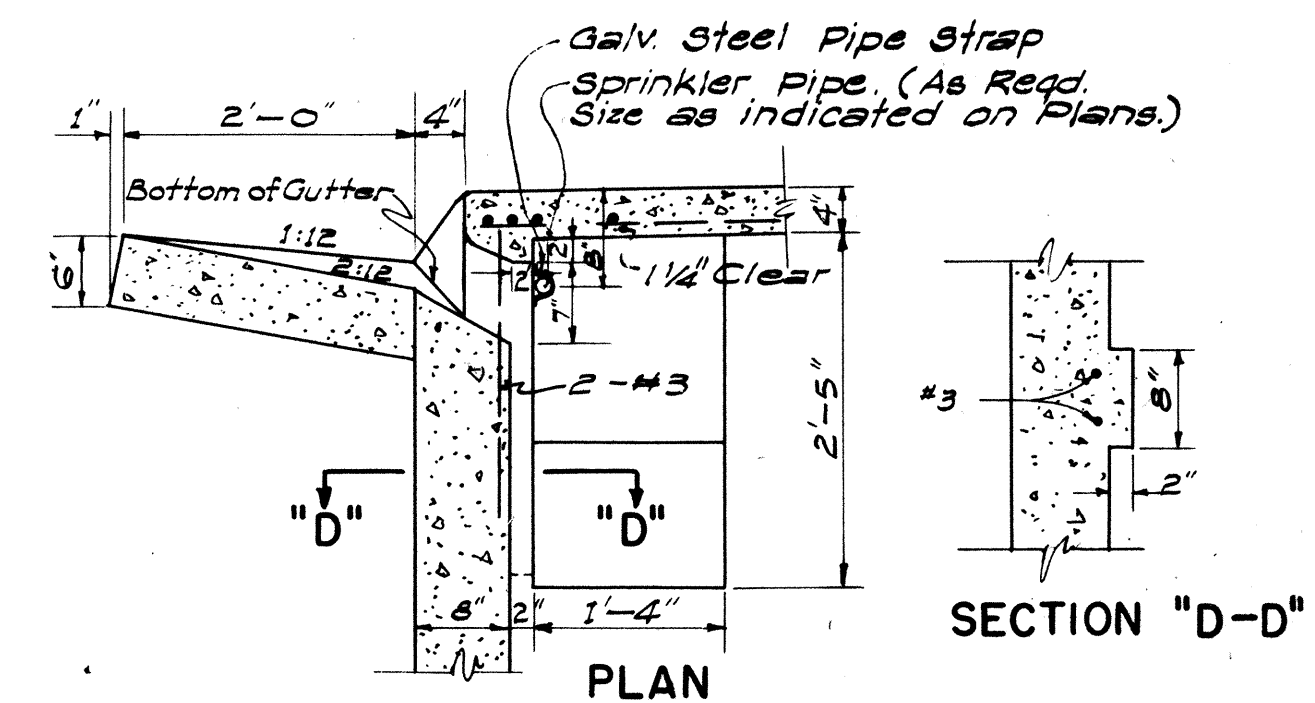
SCALE: 1/2" = 1'-0"

FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	DOBD-03-70 PHASE II & 22A-01-71	1970	16	26



THROAT DETAIL FOR
"EG" CURB & GUTTER

SCALE: 3/4" = 1' - 0"



THROAT DETAIL FOR
"AG" CURB & GUTTER

SCALE: 3/4" = 1' - 0"

ESTIMATED QUANTITIES

Type	Class A Conc.	Struct. Exc.	Reinf. Steel	Gutter Length
"A" 	7.5 c.y.	24.7 c.y.	145 lb.	30' - 0"
"B" 	6.0 c.y.	21.5 c.y.	108 lb.	23' - 4"
"C" 	6.0 c.y.	21.5 c.y.	108 lb.	23' - 4"
"D" 	4.9 c.y.	16.5 c.y.	77 lb.	16' - 8"

GENERAL NOTES

1. Quantities based on $d = 5.75'$ and $D = 30'$.
2. Quantities do not include concrete for Gutter Apron.
3. The Contractor shall install two 2" Cast Iron or Concrete Pipes as incidental to Class A Concrete for Construction Drainage. The Engineer shall determine the exact location in the field.
4. Culvert shall leave C.B. from any position and any direction indicated by plans or ordered by the Engineer. Culvert may both enter and leave C.B. so that C.B. will also act as Manhole.
5. The Contractor shall install galvanized steel Pipe Sleeves and Straps as incidental to Sprinkler System.
6. The type of curb and/or gutter (Type 1, 2, 3, etc.) shall conform to the type specified on the roadway plans.
7. Manhole Rungs (16" o.c.) are required when "H" is greater than 4 feet 6 inches. Only one rung (12 inches from the bottom) is required if "H" is 4 feet 6 inches or less. Type "B" Cast Iron Frame and Cover and Manhole Rungs may be placed at any location as ordered by the Engineer.

NO.	REVISION	APPROVED BY	DATE

APPROVAL RECOMMENDED:

P. Jahan
HYDRAULIC DESIGN ENGINEER

12-17-69
DATE

APPROVED:

Muhammad Z. Zahedi
ASSISTANT CHIEF, ENGINEERING

12-17-69
DATE

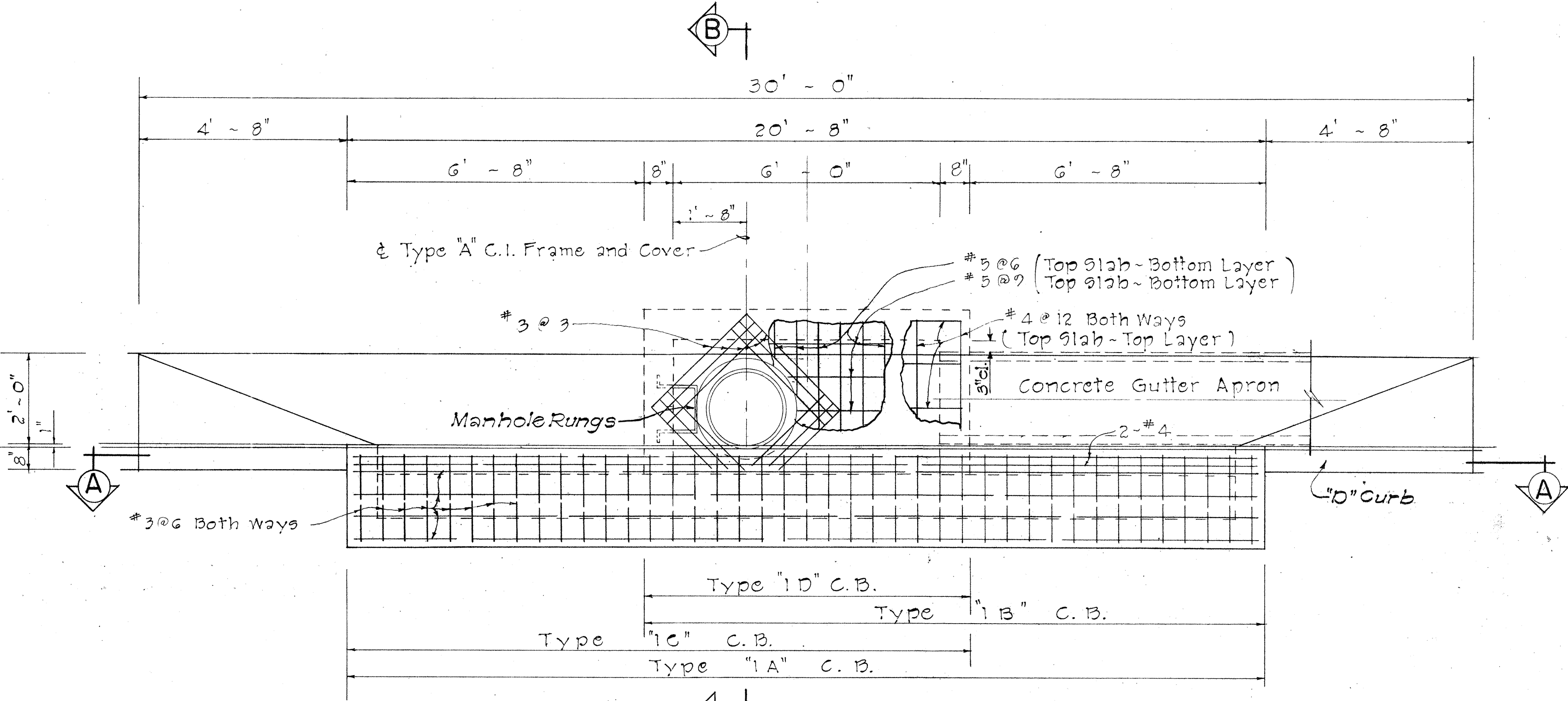
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
STANDARD DETAILS
CATCH BASINS

Scale: As Noted

Date: July, 1969

SHEET No 1 OF 10 SHEETS DH I

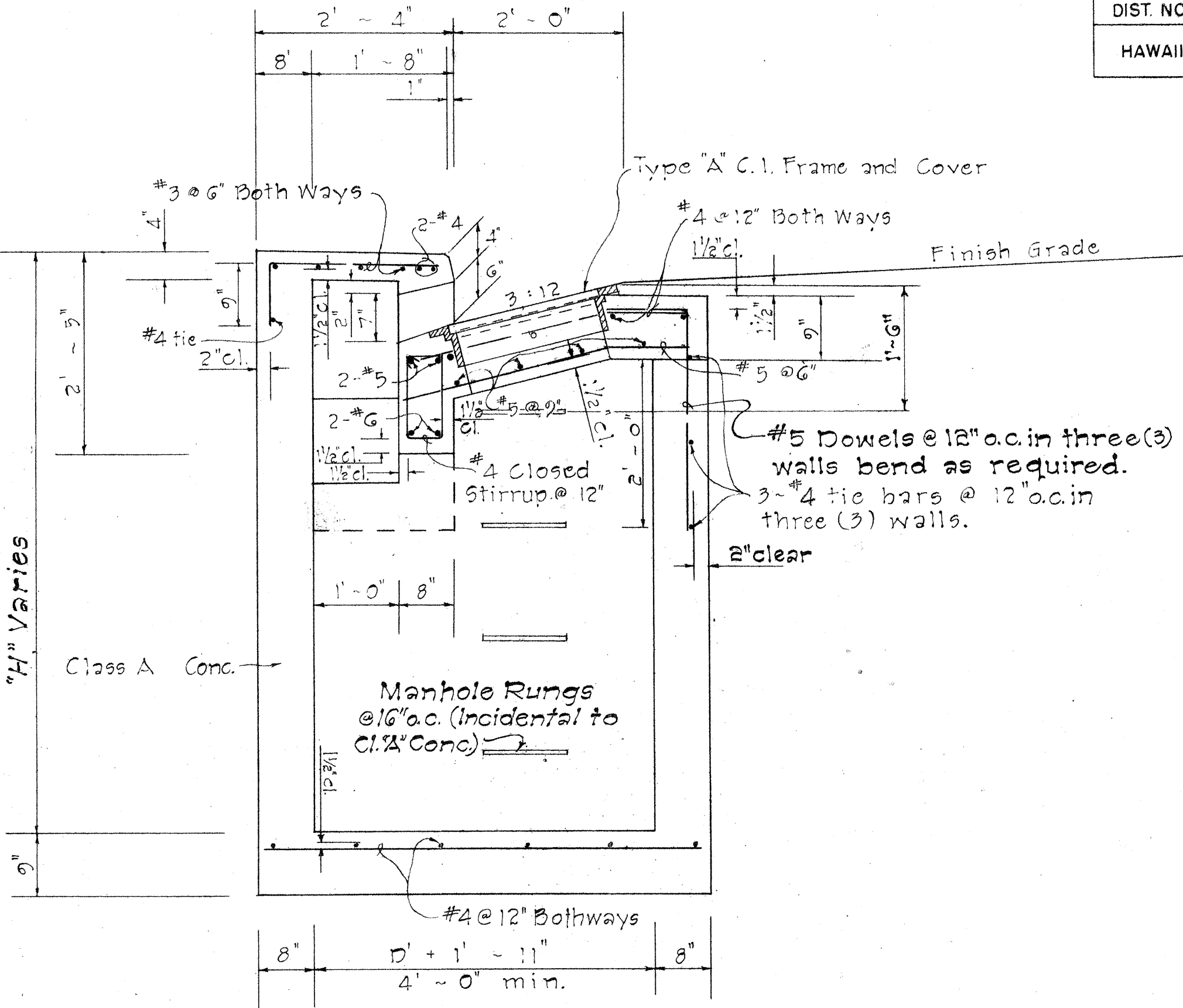
FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	0080-03-70 PHASE II & III 92A-01-71	1970	17	26



- GENERAL NOTES**
- Culvert shall enter and leave C.B. from any position and in the direction indicated by the plans or ordered by the Engineer.
 - D shall be the maximum outside dimension of the culvert at the C.B. wall.
 - The type of curb and/or gutter (Type 1, 2, 3, etc.) shall conform to the type specified on the roadway plans.
 - Manhole Rungs (16" o.c.) are required when "H" is greater than 4 feet 6 inches. Only one rung (12 inches from the bottom) is required if "H" is 4 feet 6 inches or less. Type "A" C.I. Frame & Cover and Manhole Rungs may be placed at any location as ordered by the Engineer.

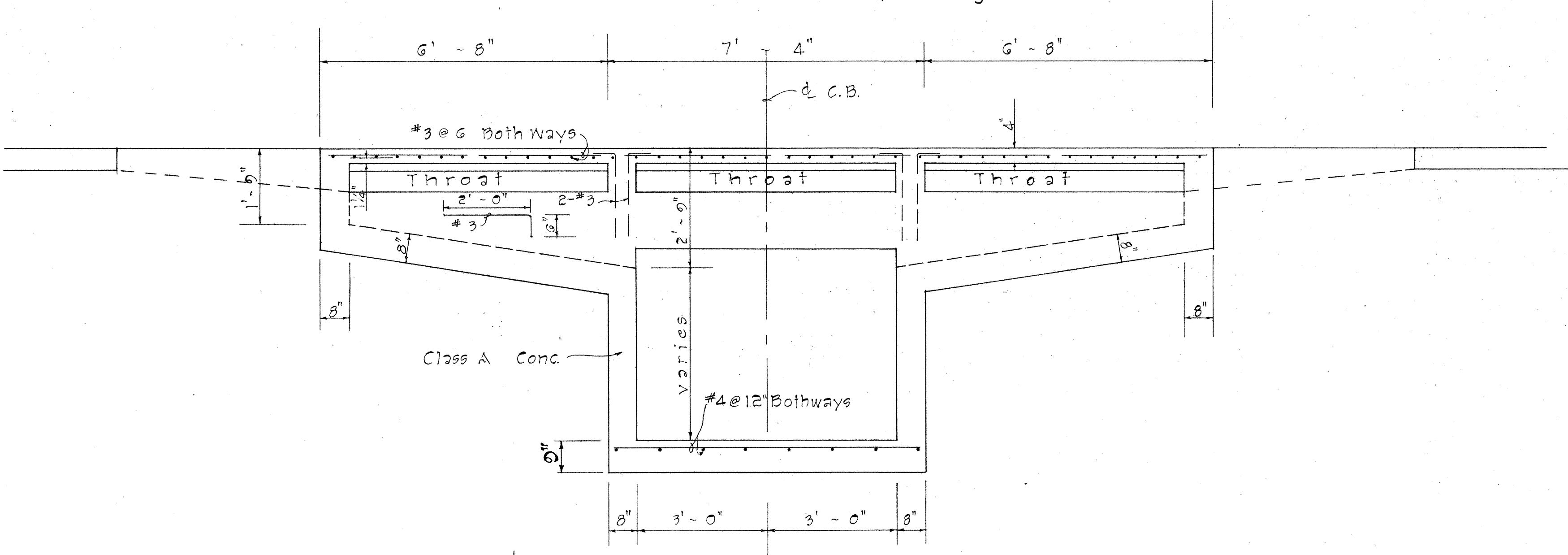
PLAN

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



SECTION "B-B"

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



SECTION "A-A"

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

DETAILS OF TYPE "IA", "IB", "IC" AND "ID" CATCH BASIN

APPROVAL RECOMMENDED:
 P. Nakano
 HYDRAULIC DESIGN ENGINEER
 12-17-69
 DATE

APPROVED:
 J. J. J.
 ASSISTANT CHIEF, ENGINEERING
 12-17-69
 DATE

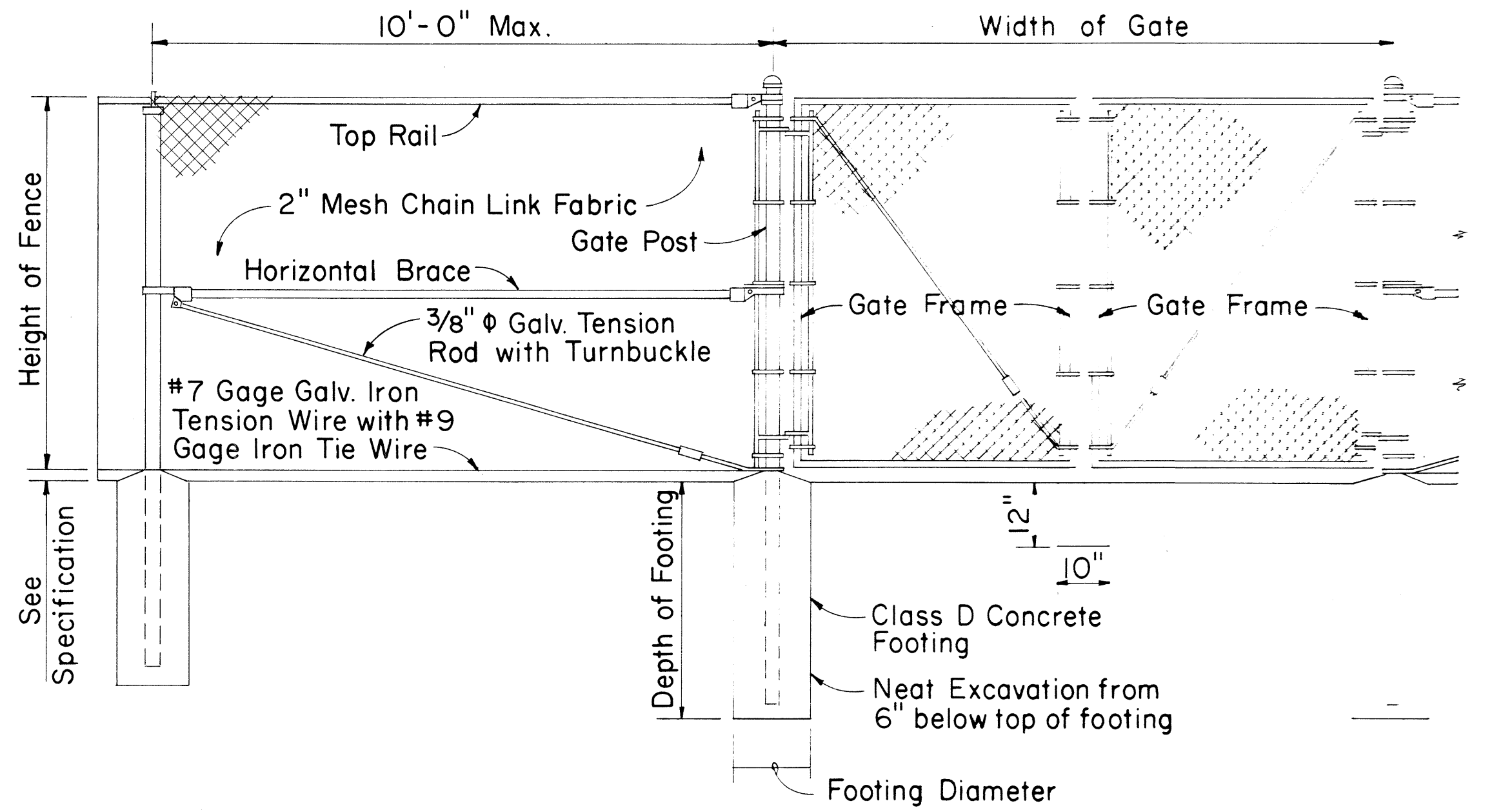
NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

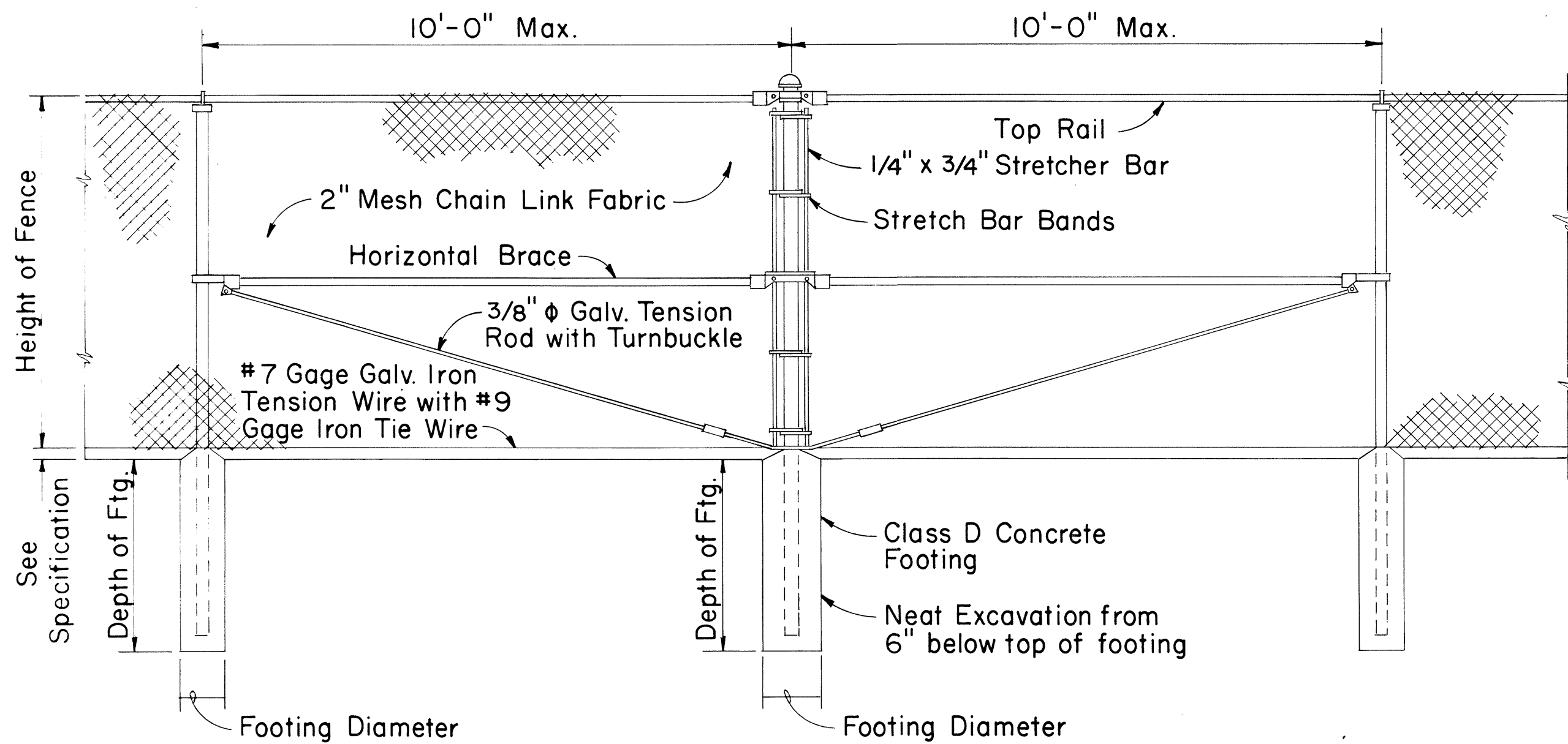
STANDARD DETAILS
 TYPE "IA", "IB", "IC", AND "ID"
 CATCH BASINS

Scale: As Noted Date: July, 1969
 SHEET No. 2 OF 10 SHEETS DH 3

FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	008D-03-70 PHASE II & III 02A-01-71	1970	18	26

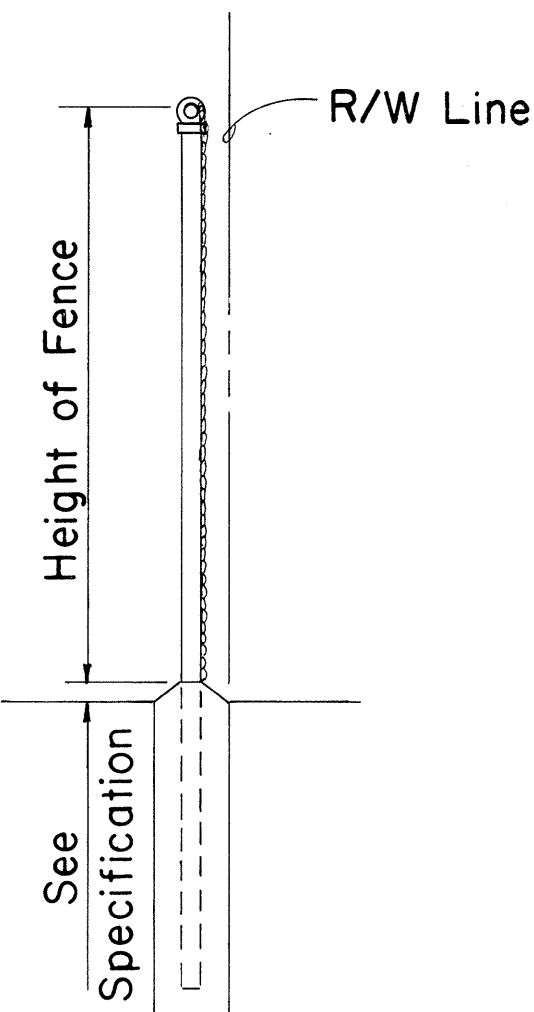


LINE POST GATE POST GATE POST



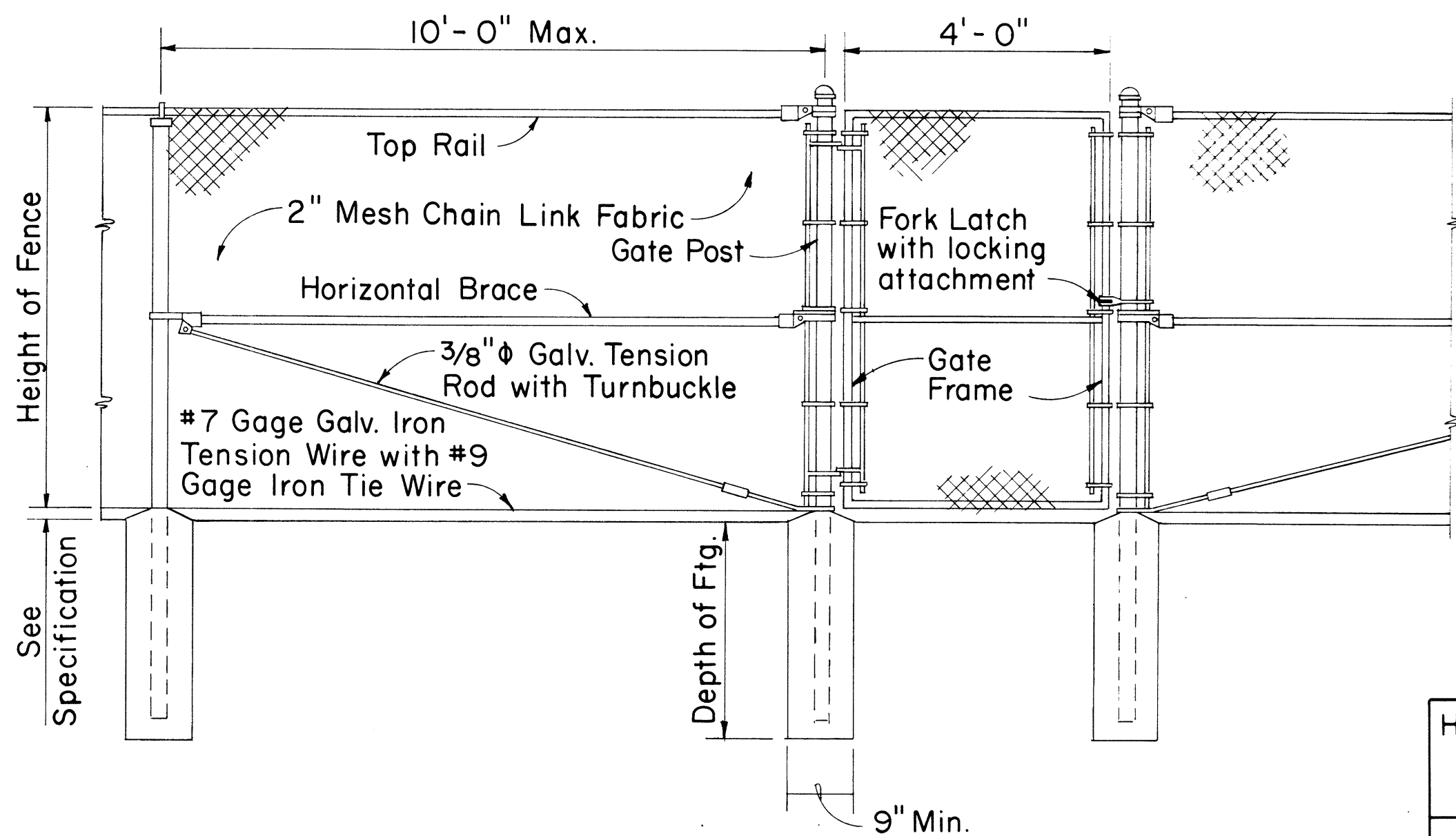
LINE POST PULL POST LINE POST

TYPICAL SECTION
(WITH CONCRETE FOOTING)



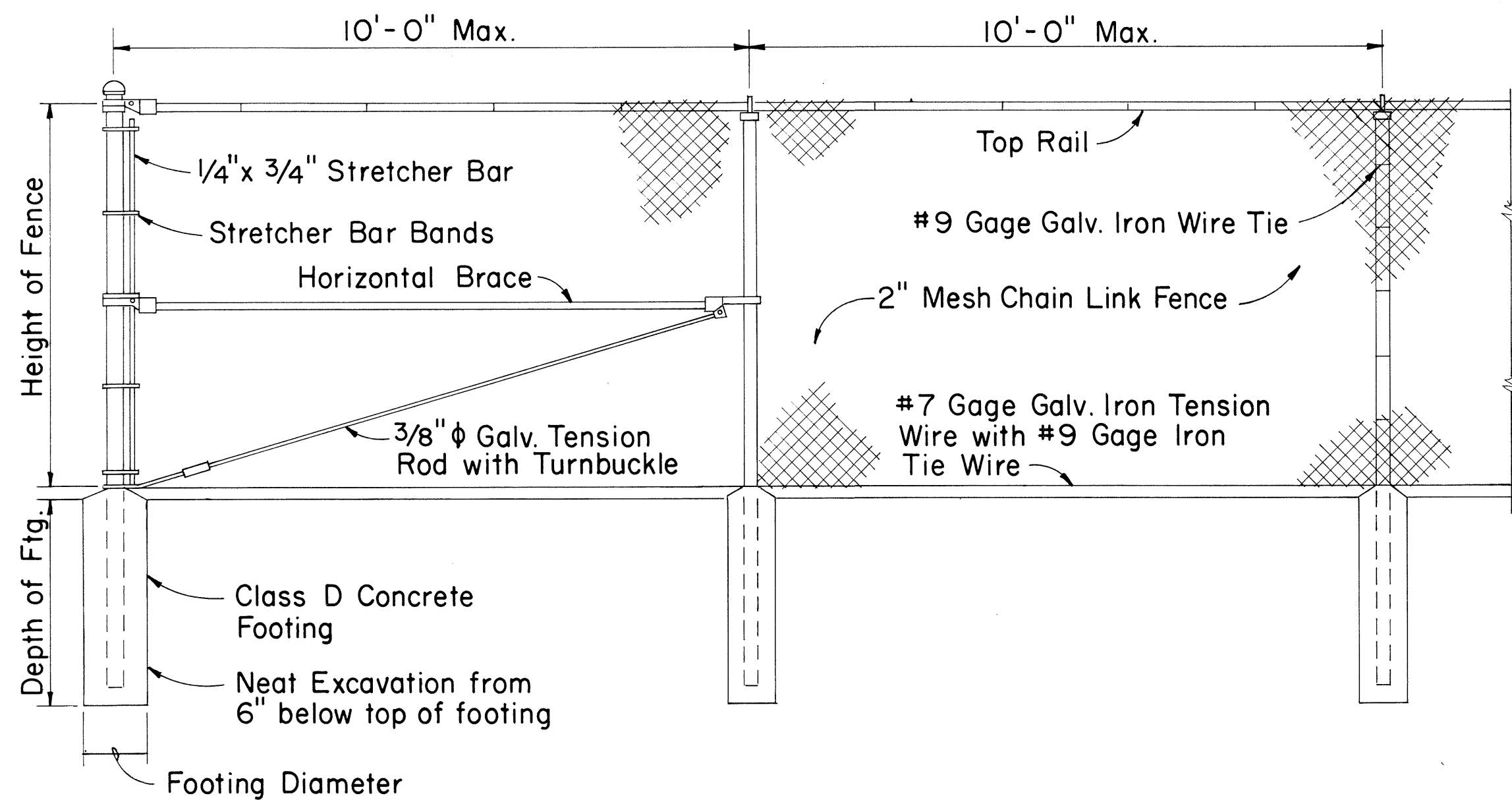
DETAIL OF CHAIN LINK GATE

- NOTE: 1. Gate fork latch and lock, flush plate and anchor, and plunger shall be installed with Gates, and shall be considered as incidental to Chain Link Fence Gate.
2. Gate frames shall be mitered and welded at corners.
3. Fence detail not shown shall be in accordance with the Standard Specifications.

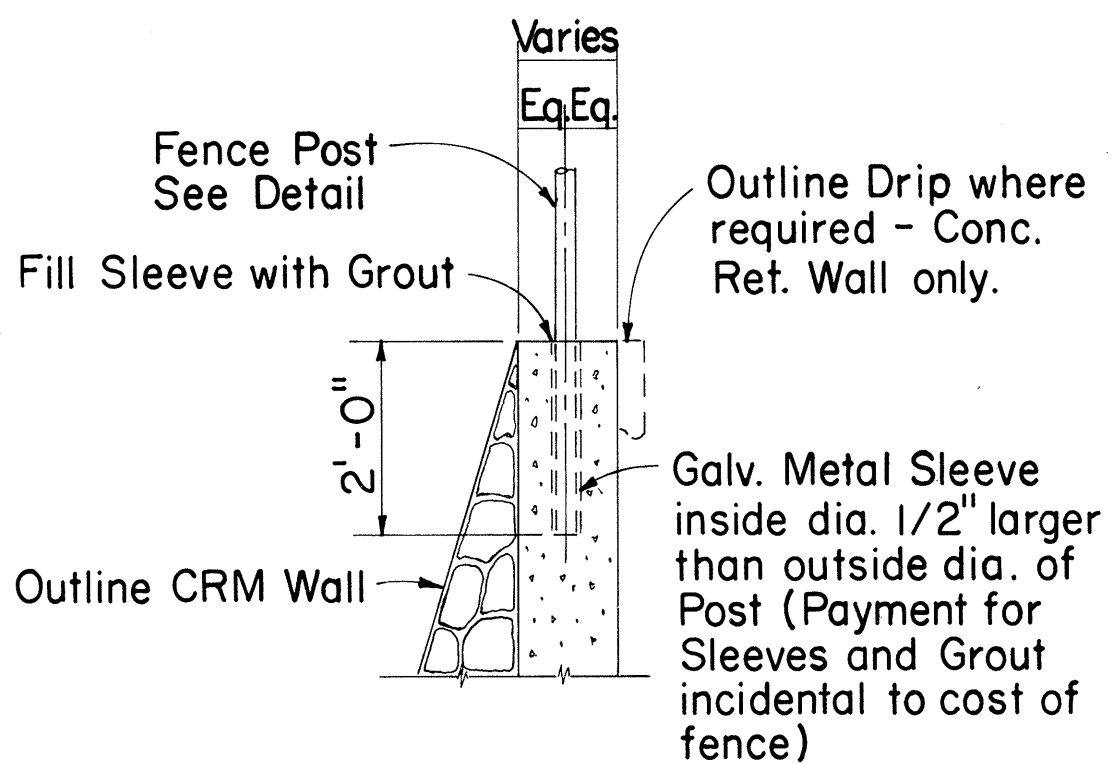


LINE POST GATE POST GATE POST

DETAIL OF 4 FT. CHAIN LINK GATE



END POST LINE POST LINE POST



TYPICAL SECTION
(ON CRM & CONC. RET. WALL)

CHAIN LINK FENCE DETAILS

Height of Fence	Minimum Depth of Footing		Minimum Footing Diameter	
	Line Post	Corner, Pull, End and Gate Posts	Line Post	Corner, Pull and End Posts
3'	2'-0"	2'-6"	8"	8"
4'	2'-6"	2'-6"	8"	8"
5'	3'-0"	3'-0"	8"	8"
6'	3'-0"	3'-0"	8"	9"

APPROVAL RECOMMENDED:
HIGHWAY DESIGN ENGINEER 12-4-69
DATE

APPROVED:
ASSISTANT CHIEF, ENGINEERING 12-10-69
DATE

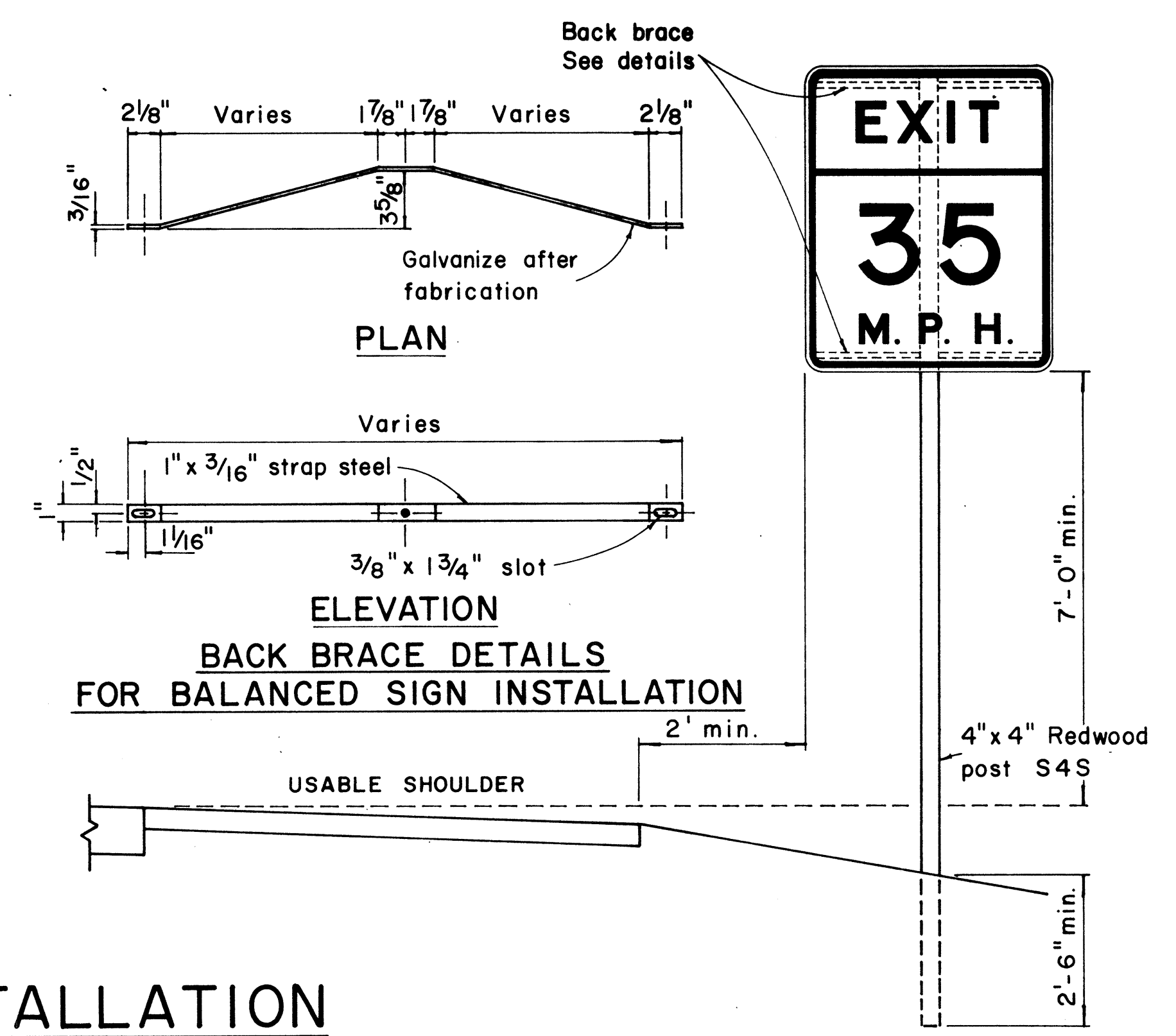
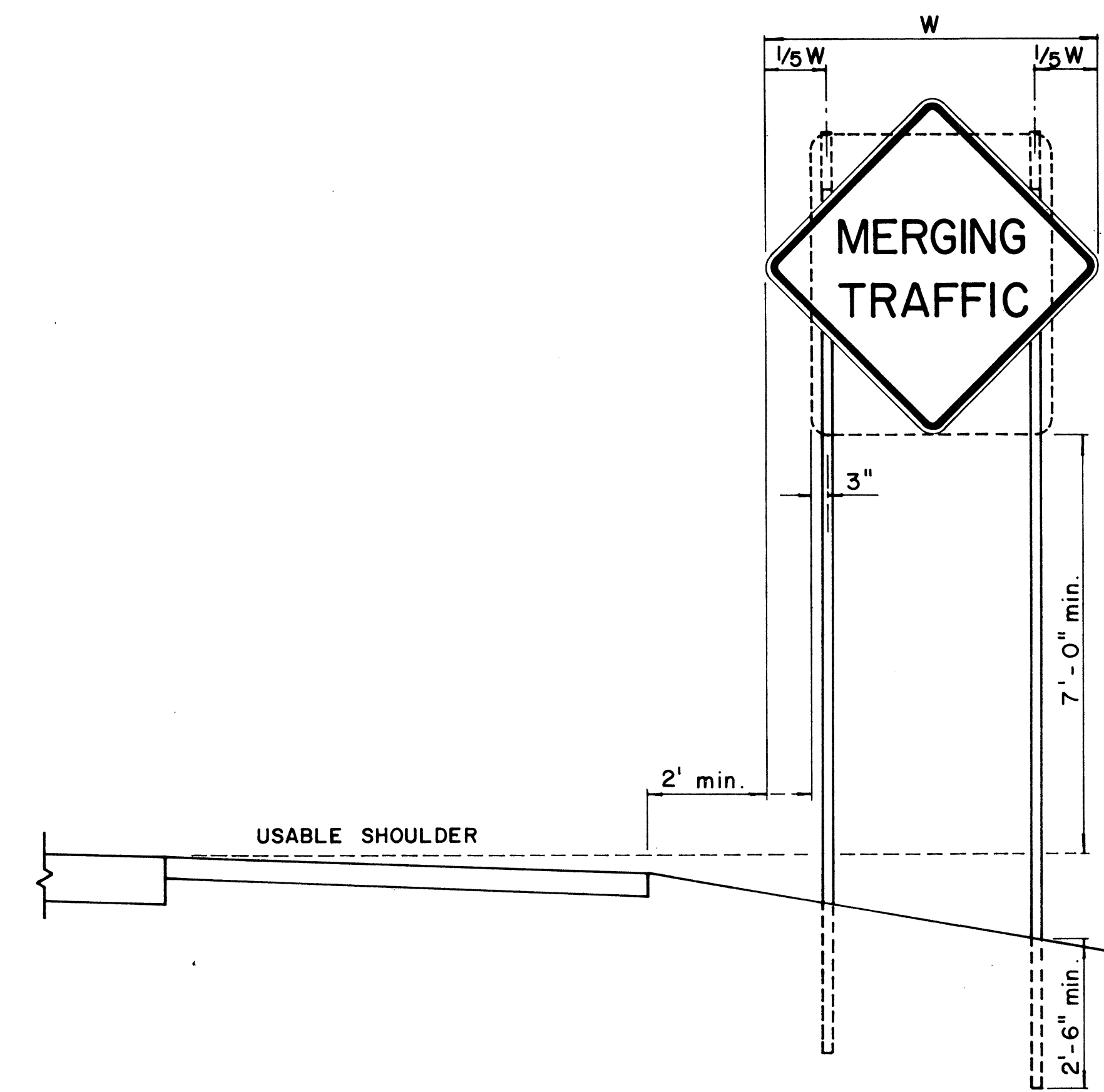
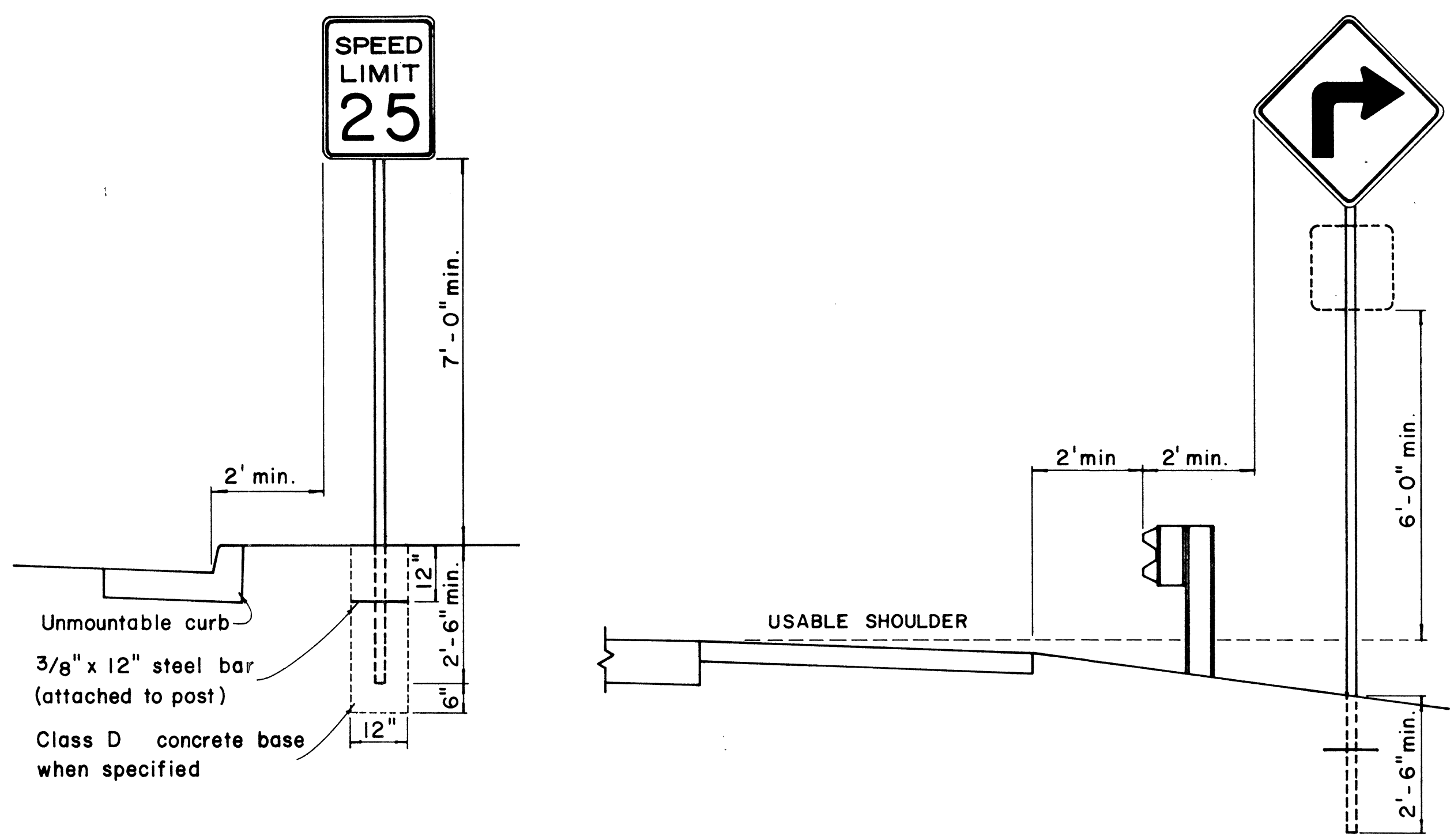
NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

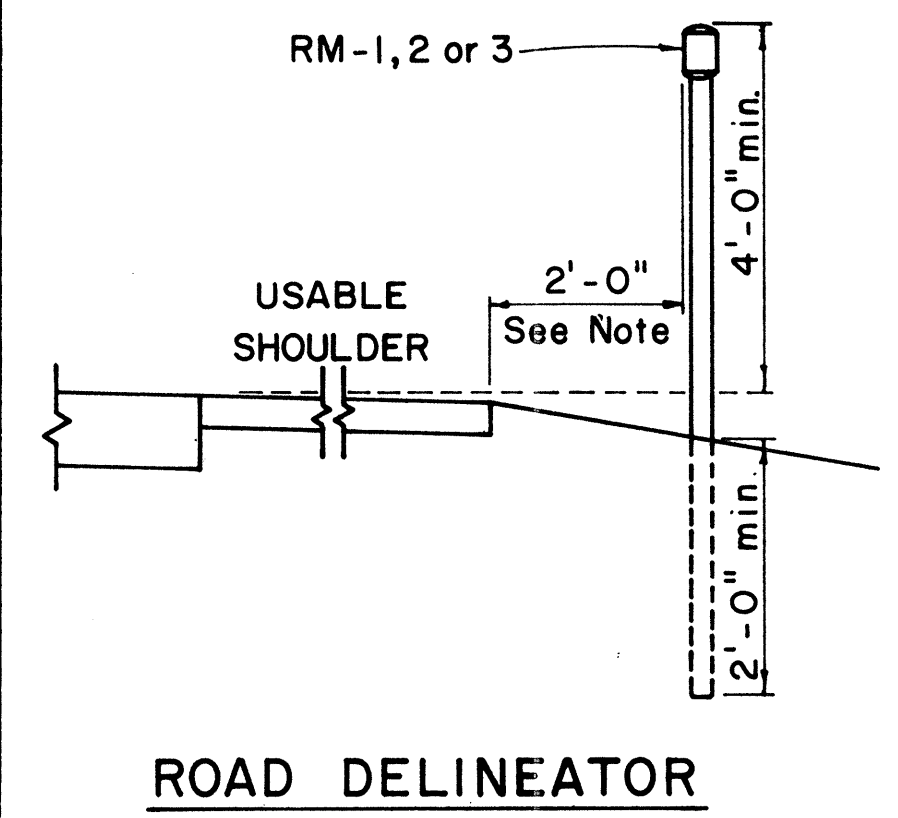
STANDARD DETAILS
CHAIN LINK FENCE
(WITH TOPRAIL)

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

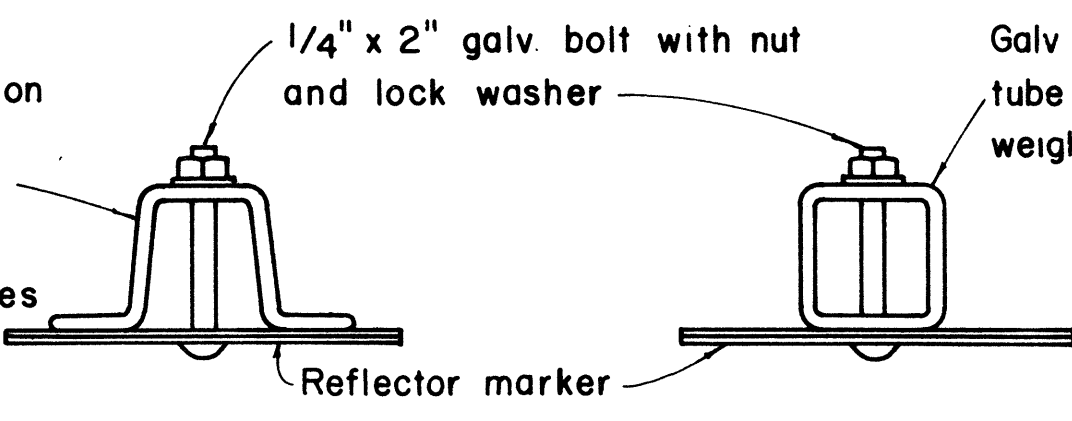
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	208D-08-70 PHASE II & 22A-01-71	1970	19	26



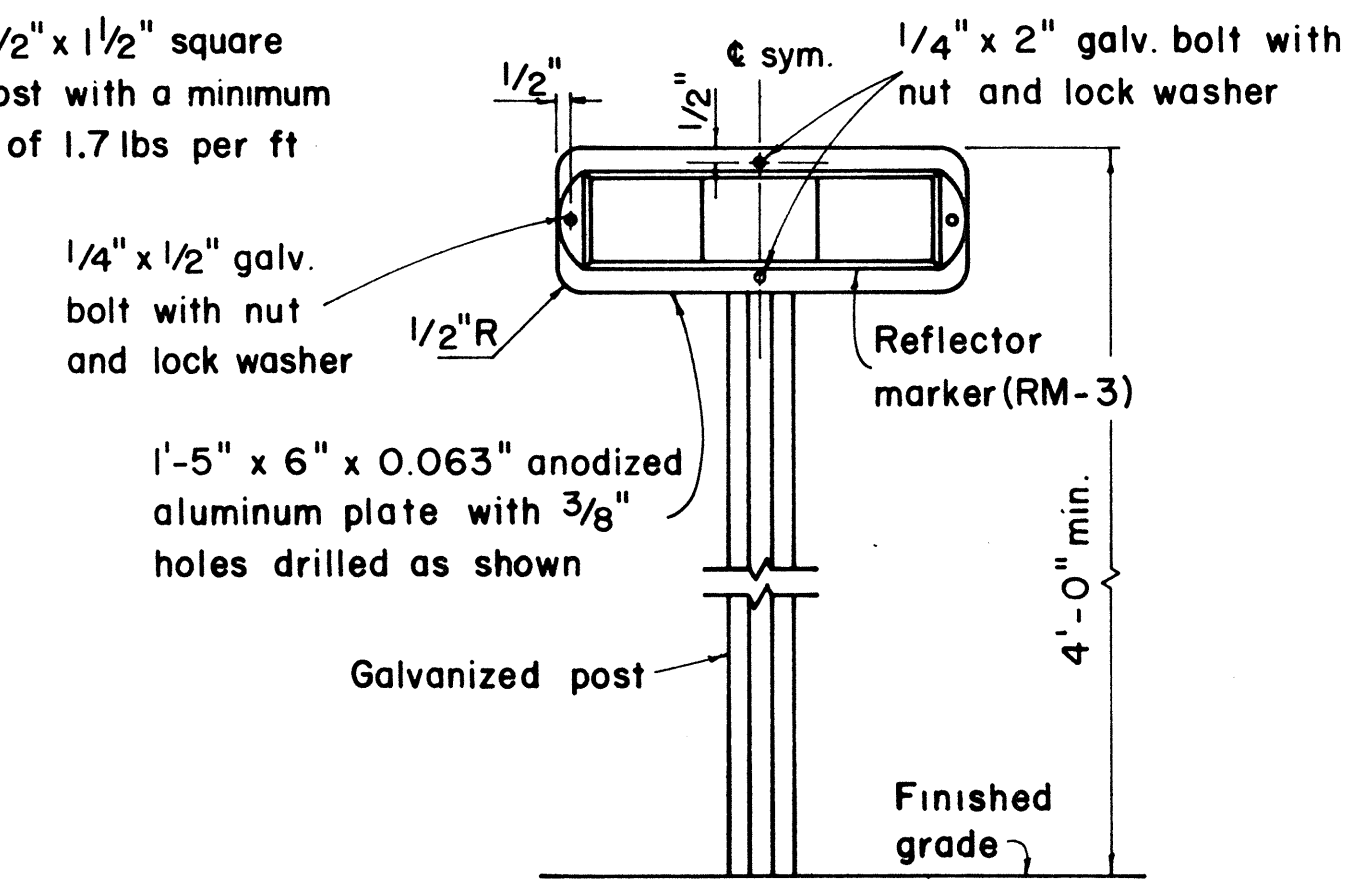
HEIGHT AND LATERAL LOCATION OF SIGNS - TYPICAL INSTALLATION



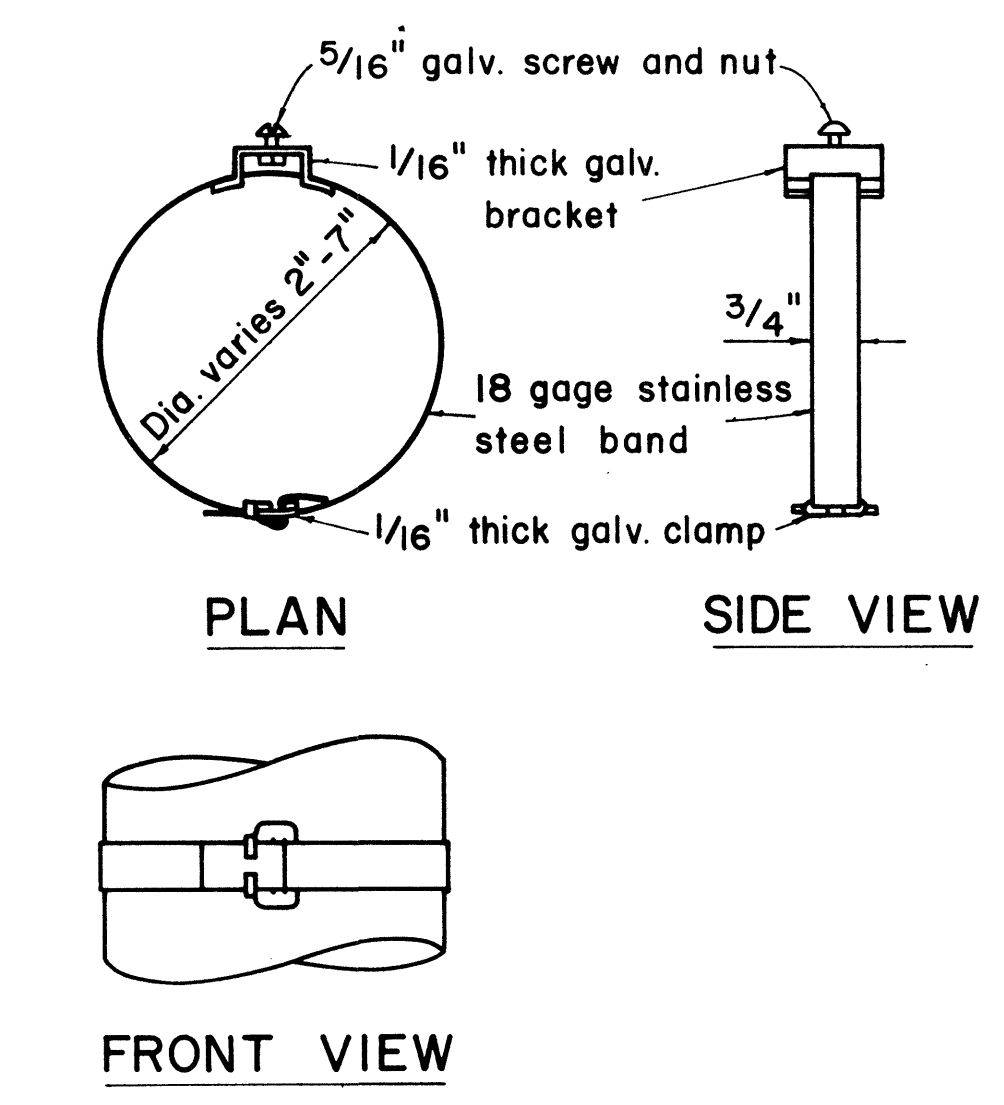
Galv. flanged channel
1/8" x 3 1/16" rolled section
post with a minimum
weight of 2 lbs. per ft.
Upper 2 ft. shall have
a single row of 3/8" holes
centered in the web at
1" o.c.



TYPICAL SECTION OF 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:
Erich Tanaka 12/29/69
TRAFFIC ENGINEER DATE

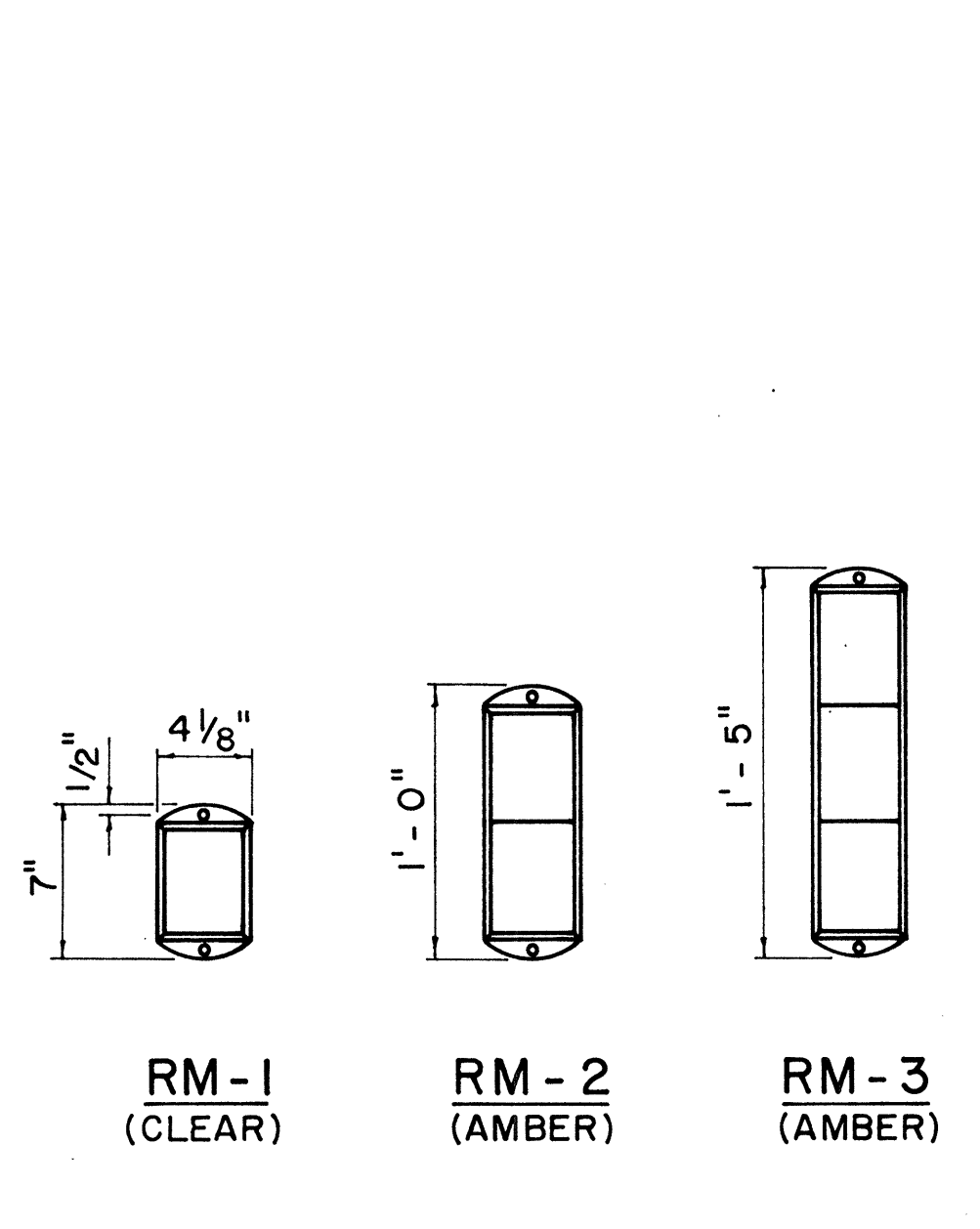
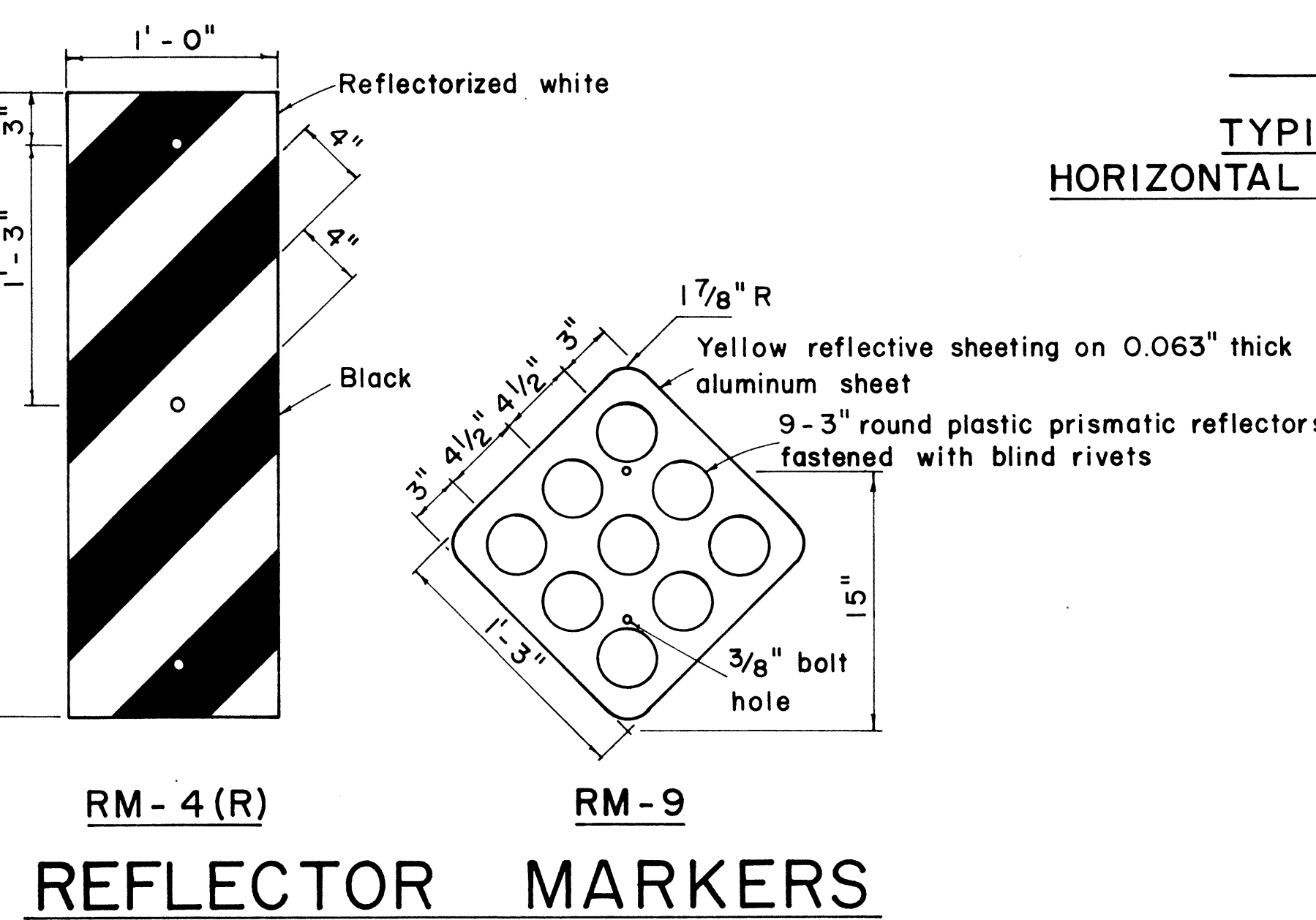
APPROVED:
John J. DeLoe 12-30-69
ASSISTANT CHIEF, ENGINEERING DATE

NO	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
MISCELLANEOUS SIGN DETAILS

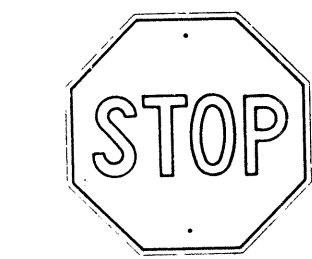
Not to scale March, 1968
SHEET No. 4 OF 10 SHEETS DT 100



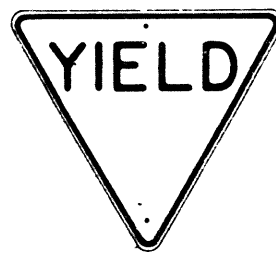
REFLECTOR MARKERS

ORIGINAL	DATE
PLAN	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

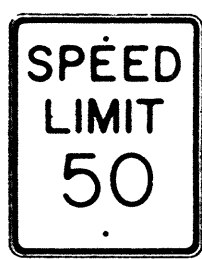
FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	0050-03-70 PHASE II, C 02A-01-71	1970	20	26



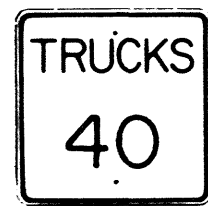
R1-1 30" x 30"



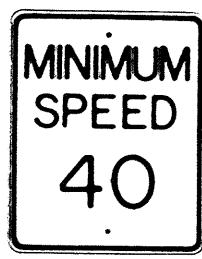
R1-2 36" x 36" x 36"
R1-2-E 48" x 48" x 48"
R1-2-I 60" x 60" x 60"



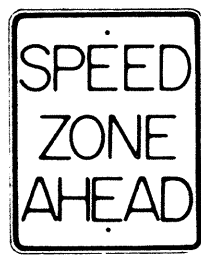
R2-1(50) 24" x 30"
R2-1(50)-E 36" x 48"
R2-1(50)-I 48" x 60"



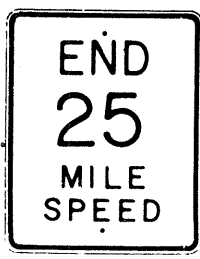
R2-2(40) 24" x 24"
R2-2(40)-E 36" x 36"
R2-2(40)-I 48" x 48"



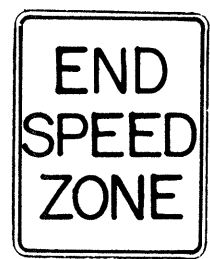
R2-4(40) 24" x 30"
R2-4(40)-E 36" x 48"
R2-4(40)-I 48" x 60"



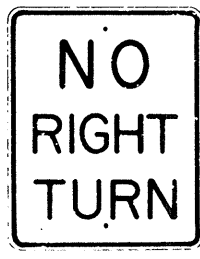
R2-5 24" x 30"
R2-5-E 36" x 48"
R2-5-I 48" x 60"



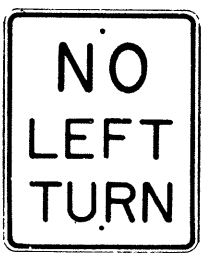
R2-6(25) 24" x 30"
R2-6(25)-E 36" x 48"
R2-6(25)-I 48" x 60"



R2-7 24" x 30"
R2-7-E 36" x 48"
R2-7-I 48" x 60"



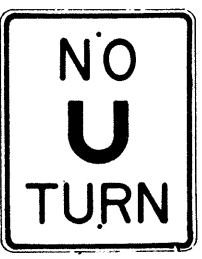
R3-1 24" x 30"
R3-1-E 36" x 48"



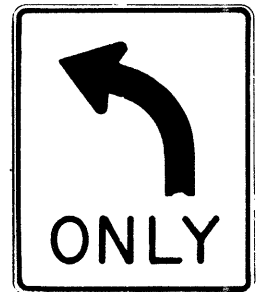
R3-2 24" x 30"
R3-2-E 36" x 48"



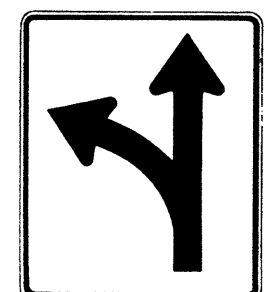
R3-3 24" x 24"



R3-4 24" x 30"
R3-4-E 36" x 48"
R3-4-I 48" x 60"



R3-5(L) 30" x 36"



R3-6(L) 30" x 36"



R3-7(R) 30" x 30"



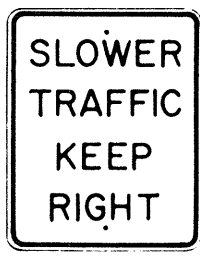
R3-8(L) 30" x 30"



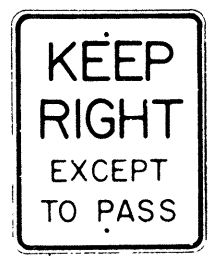
R4-1 24" x 30"



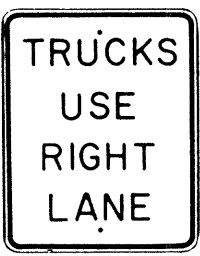
R4-2 24" x 30"



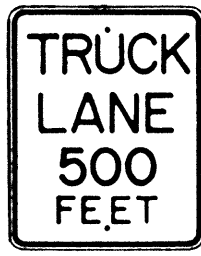
R4-3 24" x 30"
R4-3-E 36" x 48"
R4-3-I 48" x 60"



R4-4 24" x 30"
R4-4-E 36" x 48"
R4-4-I 48" x 60"



R4-5 24" x 30"
R4-5-E 36" x 48"



R4-6 24" x 30"
R4-6-E 36" x 48"



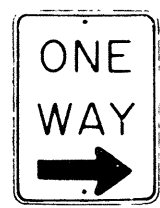
R4-7(R) 24" x 30"
R4-7(R)-E 36" x 48"



R5-1 24" x 24"



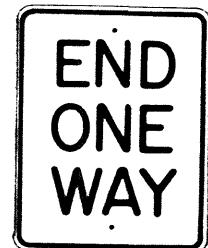
R6-1(R) 36" x 12"



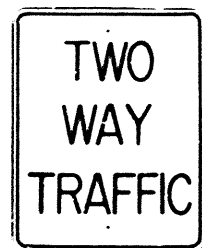
R6-2(R) 18" x 24"



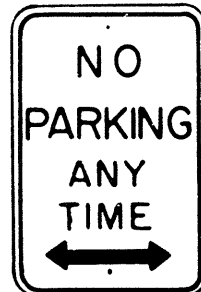
R6-3 24" x 30"



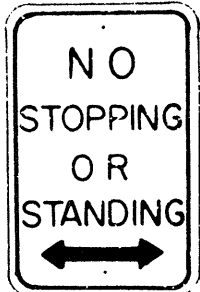
R6-4 24" x 30"



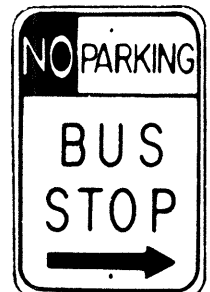
R6-5 24" x 30"



R7-1 12" x 18"



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



R7-107(R) 12" x 18"



R7-201 12" x 6"



R8-1 24" x 30"
R8-1-E 36" x 48"
R8-1-I 48" x 60"



R8-2 24" x 30"
R8-2-E 36" x 48"



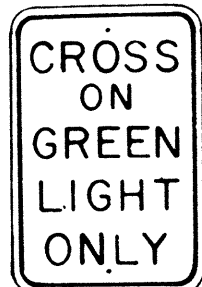
R8-3 24" x 30"
R8-3-E 36" x 48"



R8-4 24" x 30"
R8-4-E 36" x 48"
R8-4-I 48" x 36"



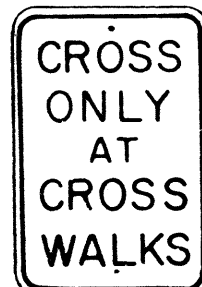
R9-1 18" x 24"



R9-2 12" x 18"



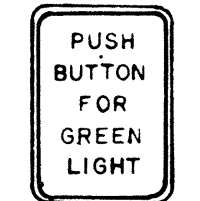
R9-3 12" x 18"



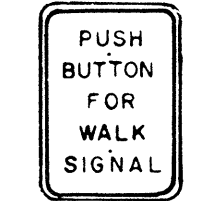
R9-4 12" x 18"



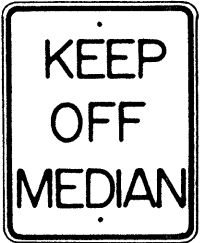
R9-5 12" x 18"



R9-6 9" x 12"



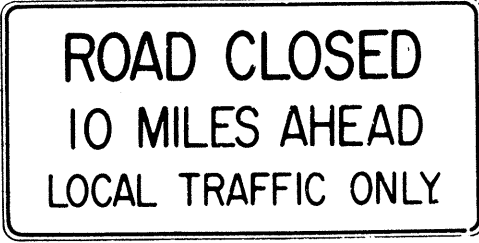
R9-7 9" x 12"



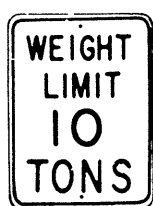
R10-1 24" x 30"
R10-1-E 36" x 48"
R10-1-I 48" x 60"



R10-2 48" x 30"



R10-3(10) 60" x 30"



R10-4(10) 18" x 24"

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 regulatory signs shall be reflectorized unless otherwise specified.
- All regulatory signs shall have $\frac{3}{8}$ " bolt holes drilled at appropriate locations unless otherwise noted.
- The suffix "E" denotes Expressway signs and "I" denotes Interstate signs.
- For R2 signs, number in () indicates speed and shall be as shown on the plans.
- (R) or (L) indicates right or left and shall be as shown on the plans.
- For R10-4 sign, number in () indicates weight and shall be as shown on the plans.

APPROVAL RECOMMENDED:

Eishi Tanaka 12/22/69
TRAFFIC ENGINEER DATE

APPROVED:

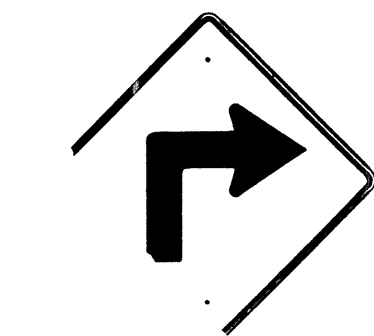
John J. Delia 12-20-69
ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE

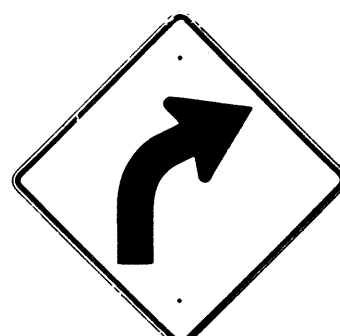
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
STANDARD DETAILS
REGULATORY SIGNS
NOT TO SCALE
SHEET No. 5 OF 10 SHEETS DT 101

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

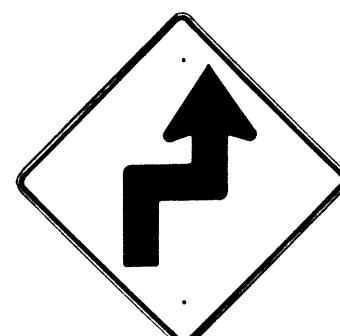
FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	0080-03-70 PHASE II 02A-01-71	1970	21	26



W1-1(R) 30" x 30"



W1-2(R) 30" x 30"



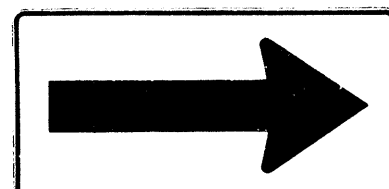
W1-3(R) 30" x 30"



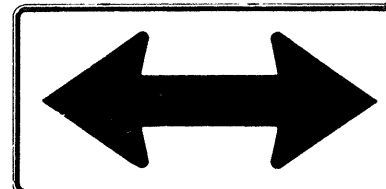
W1-4(R) 30" x 30"



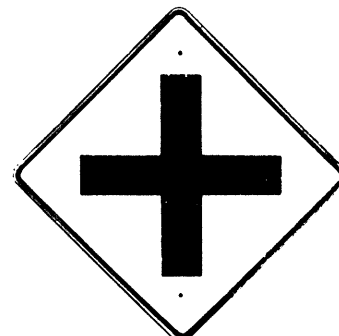
W1-5(R) 30" x 30"



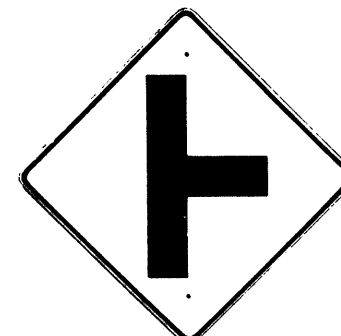
W1-6 48" x 24"



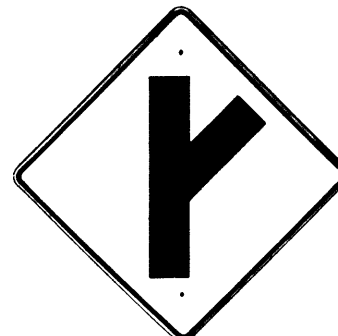
W1-7 48" x 24"



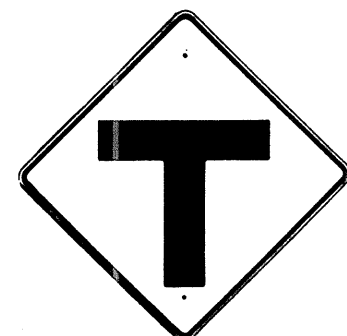
W2-1 30" x 30"



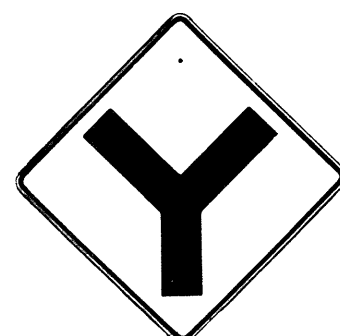
W2-2 30" x 30"



W2-3(R) 30" x 30"



W2-4 30" x 30"



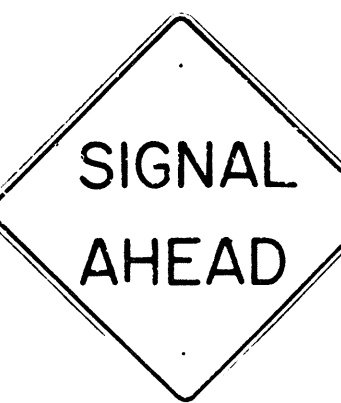
W2-5 30" x 30"



W3-1 30" x 30"



W3-2 30" x 30"



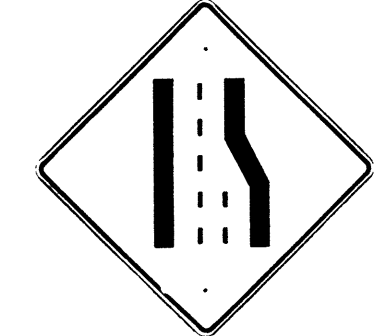
W3-3 36" x 36"



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"



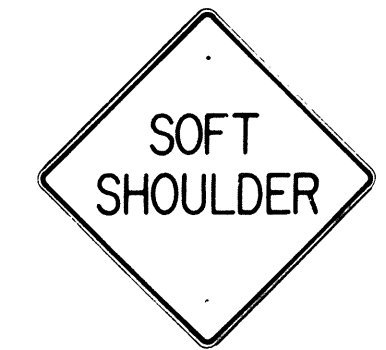
W8-1 30" x 30"



W8-2 30" x 30"



W8-3 30" x 30"



W8-4 30" x 30"



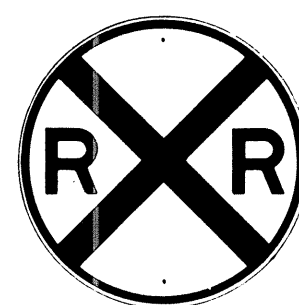
W8-5 30" x 30"



W9-1 30" x 30"



W9-2 30" x 30"



W10-1 36" DIAMETER



W11-1 30" x 30"



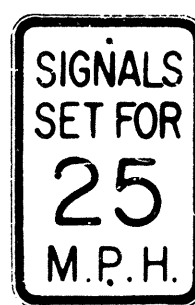
W11-5 30" x 30"



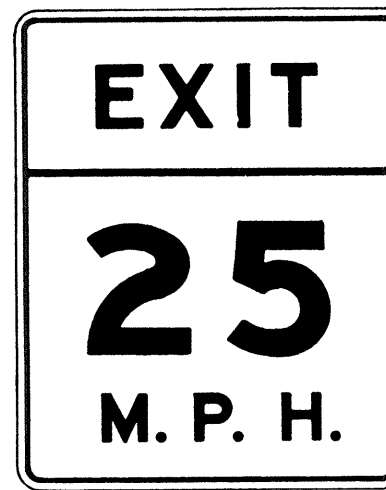
W12-2 36" x 36"



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:
Eishi Tanaka 12/29/69
TRAFFIC ENGINEER DATE

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

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
WARNING SIGNS

NOT TO SCALE

SHEET No. 6 OF 10 SHEETS DT 102

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	00BD-03-70 PHASE II & 02A-01-71	1970	22	26



W 7-2 48"x48"



W8-7 30"x30"



W14-1 30"x30"



W20-1a 48"x48"



W20-2d 48"x48"



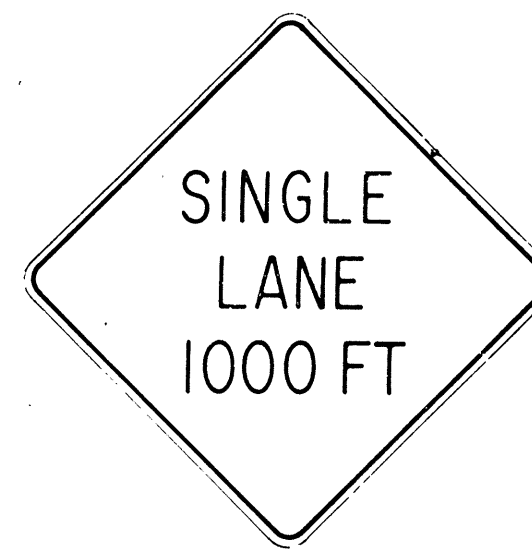
W20-3b 48"x48"



W20-4d 48"x48"



W20-5d(L) 48"x48"



W20-6b 48"x48"



W20-7c 48"x48"



W21-1 30"x30"



W21-2 24"x24"



W21-3 36"x36"



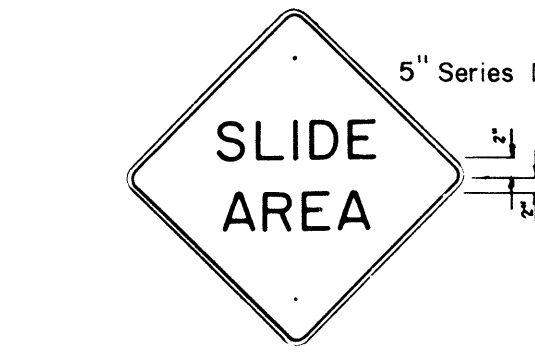
W21-4 30"x30"



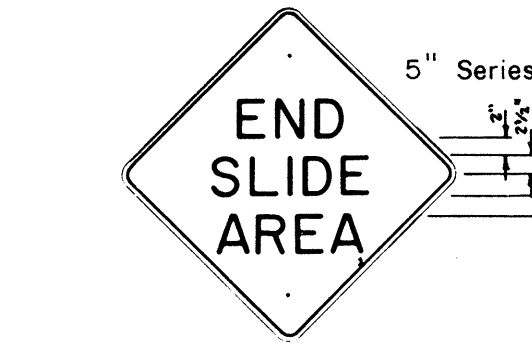
W21-5 30"x30"



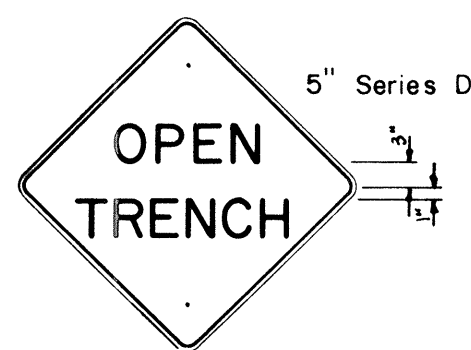
W21-6 30"x30"



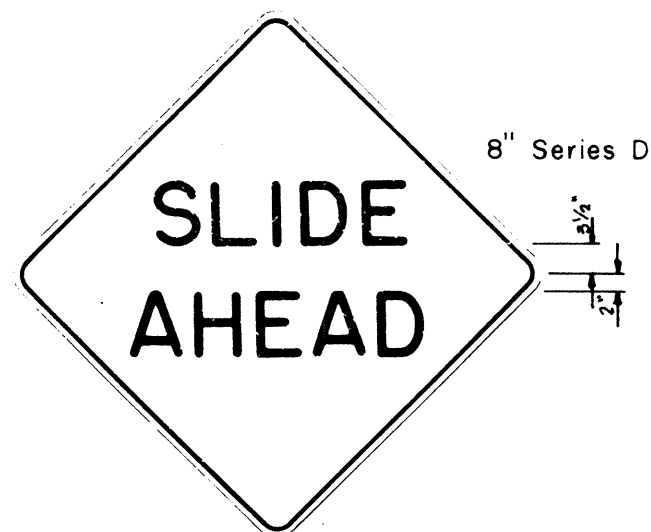
W22-1 30"x30"



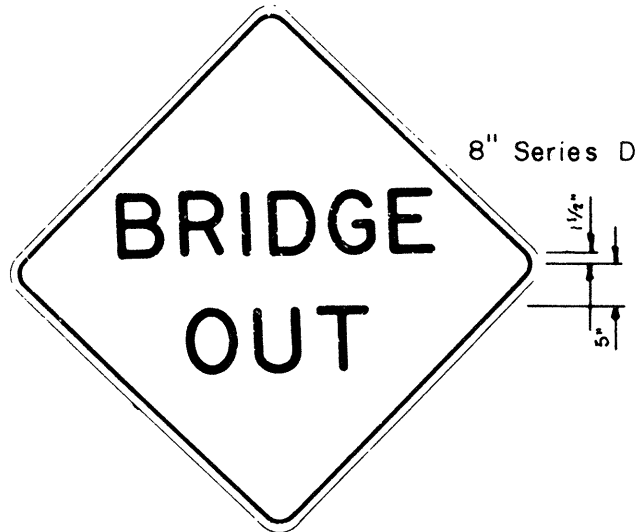
W22-2 30"x30"



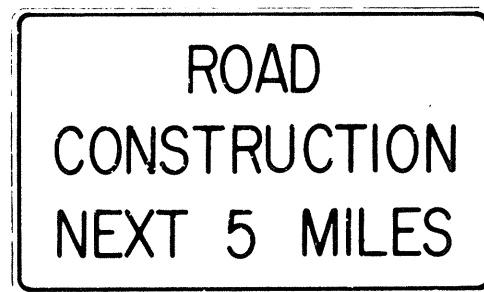
W22-3 30"x30"



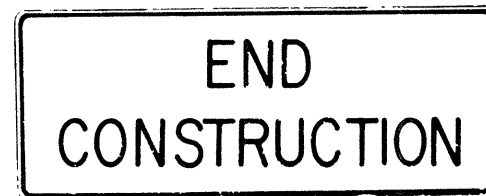
W22-4 48"x48"



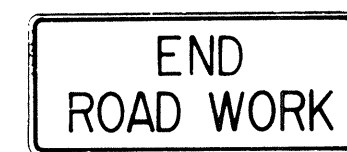
W22-5 48"x48"



G20-1(5) 60"x36"



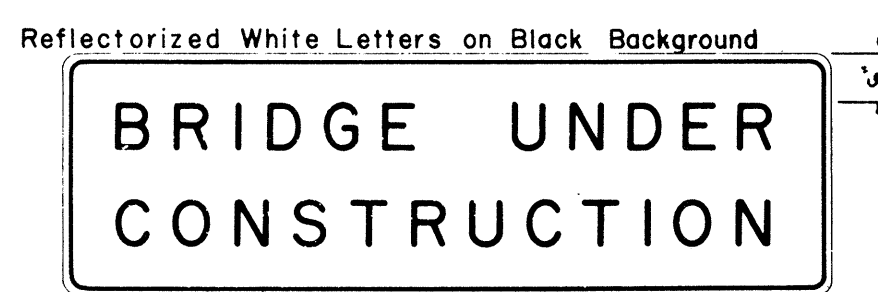
G20-2 60"x24"



G20-3 42"x18"



M5-7(L) 48"x18"



CW-1 96"x30"

- 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 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.

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

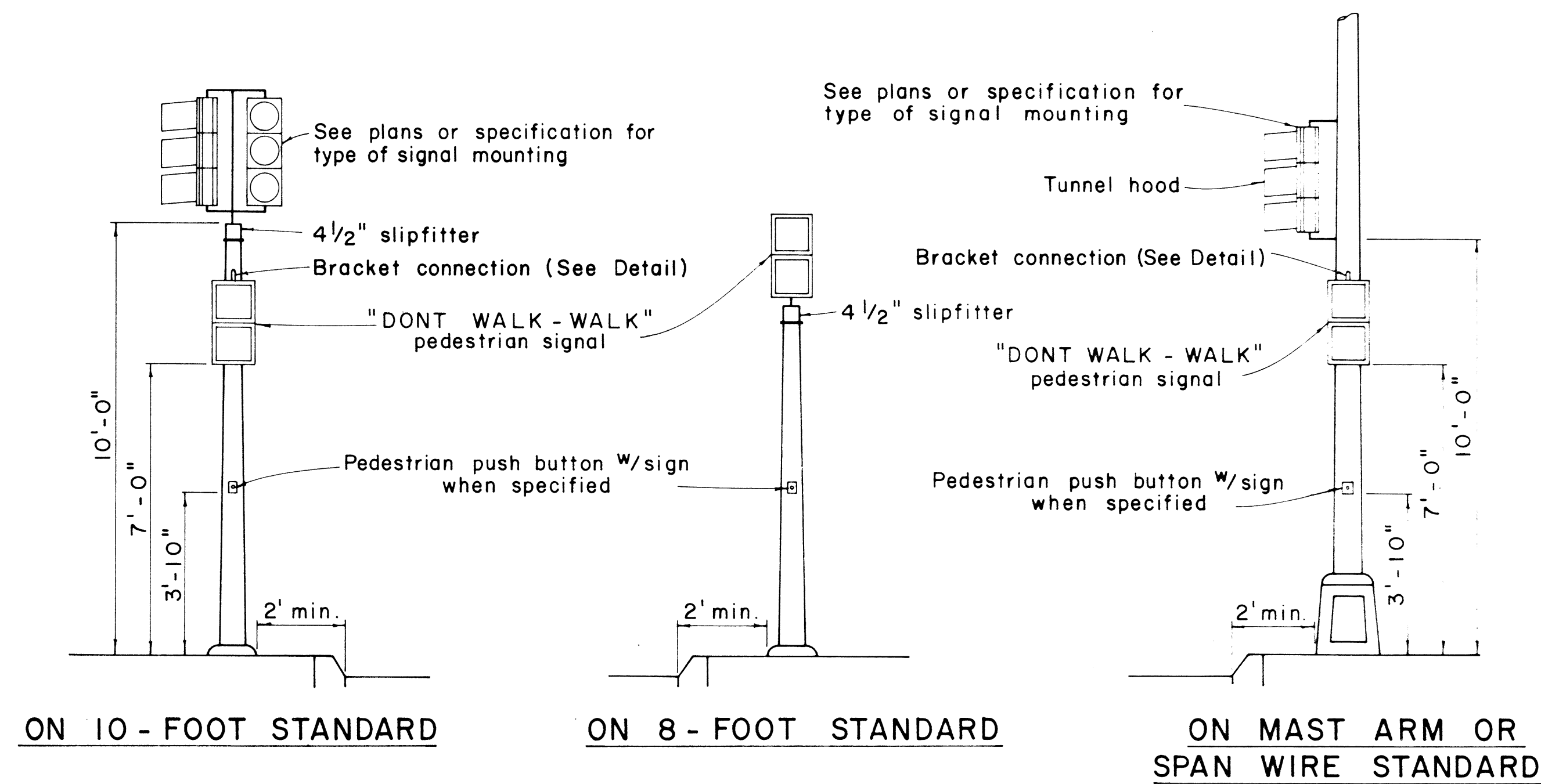
APPROVAL RECOMMENDED:
Enichi Tanaka 12/29/69
TRAFFIC ENGINEER DATE

APPROVED:
Shunji Saito 12-30-69
ASSISTANT CHIEF, ENGINEERING DATE

NO.	REVISION	APPROVED BY	DATE

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
STANDARD DETAILS
CONSTRUCTION SIGNS
NOT TO SCALE
SHEET No. 7 OF 10 SHEETS DT 104

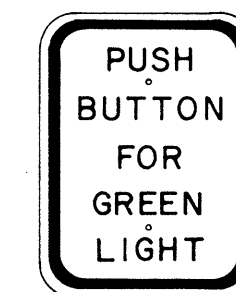
FED. ROAD DIST. NO.	STATE	PROJ. NOS.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	0080-03-70 PHASE II 22A-01-11	1970	23	26



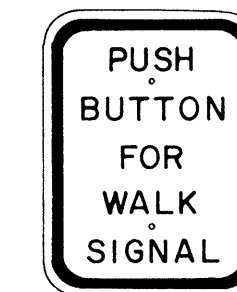
TYPICAL EQUIPMENT MOUNTINGS

TRAFFIC SIGN AS SPECIFIED IN PLAN

- "PUSH BUTTON FOR GREEN LIGHT" (R9-6)
- "PUSH BUTTON FOR WALK SIGNAL" (R9-7)



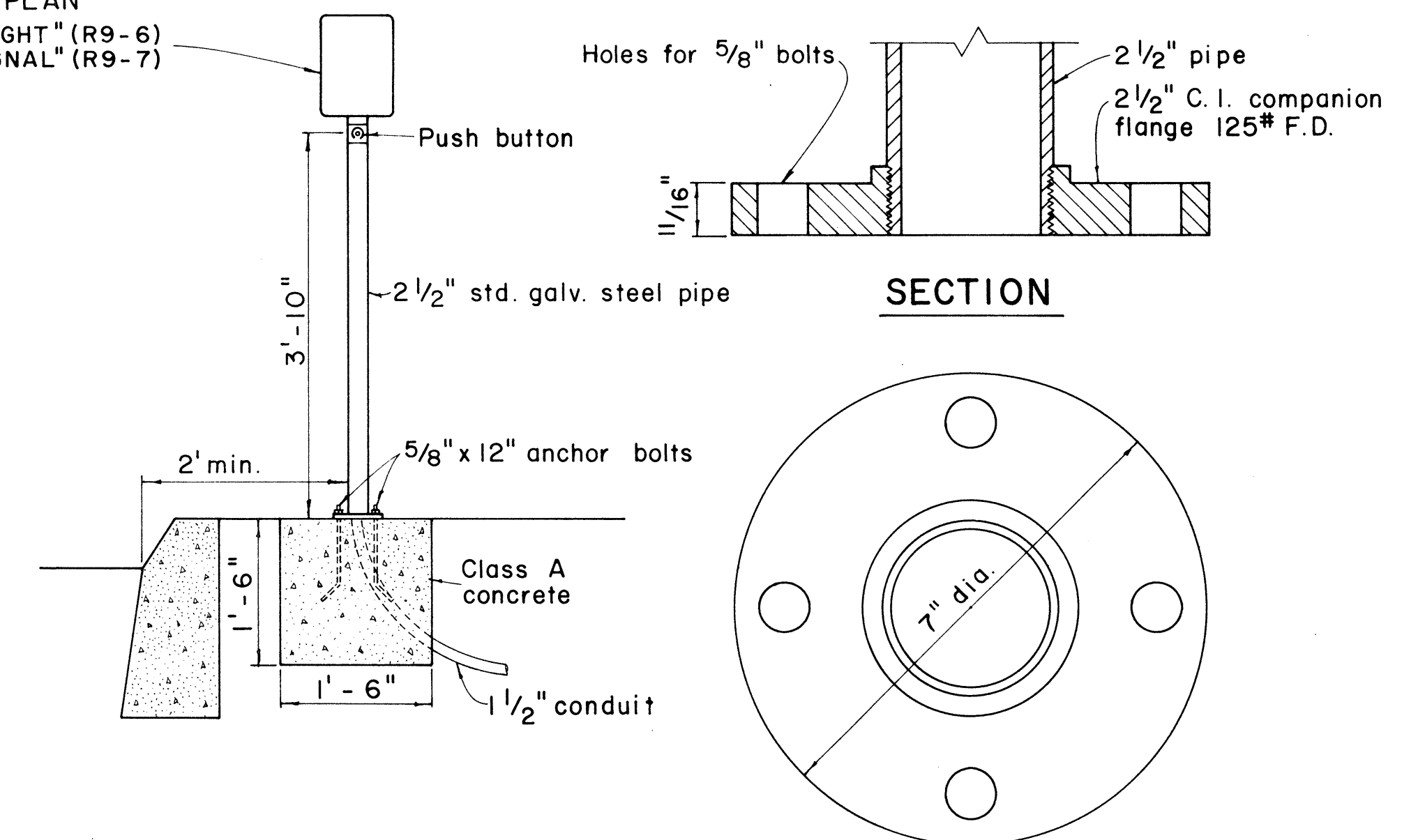
R9 - 6
9" x 12"



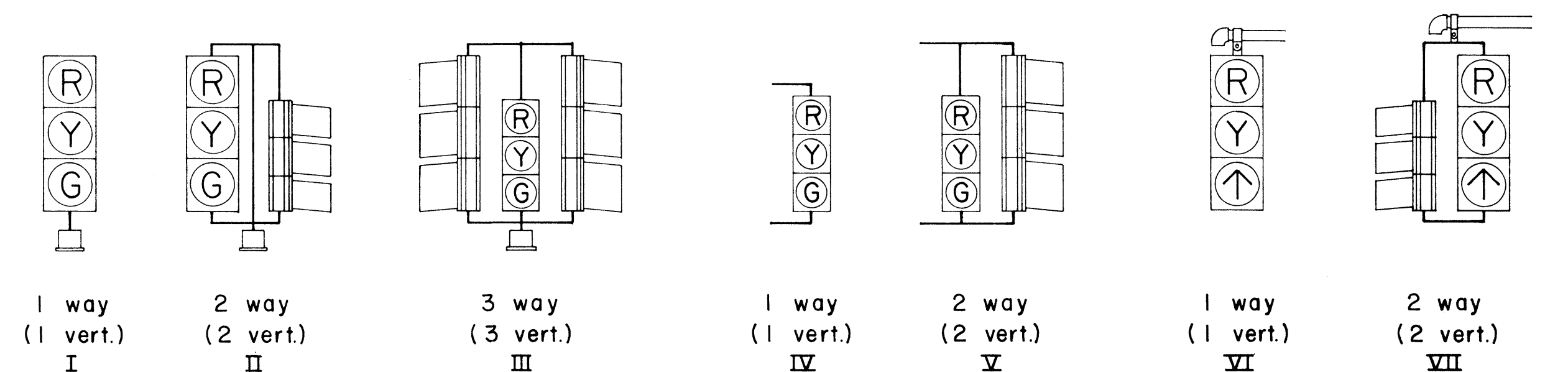
R9 - 7
9" x 12"

NOTE:

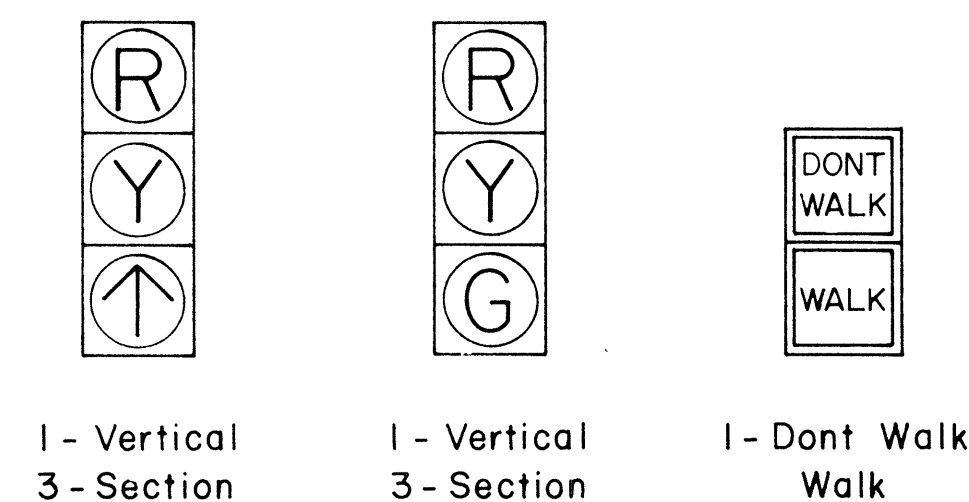
- Conduits shall protrude 2" max. above finished surface of foundation.
- Conduits shall slope away from pole foundation.
- Post and base shall be painted with one coat of approved weather proof dark green enamel.



PEDESTRIAN PUSH BUTTON POST AND FOOTING



TYPICAL VEHICULAR AND PEDESTRIAN SIGNAL MOUNTINGS



TYPICAL SIGNAL ARRANGEMENTS

NO.	REVISION	APPROVED BY	DATE

APPROVAL RECOMMENDED:

Eiichi Tanaka 12/23/69
TRAFFIC ENGINEER DATE

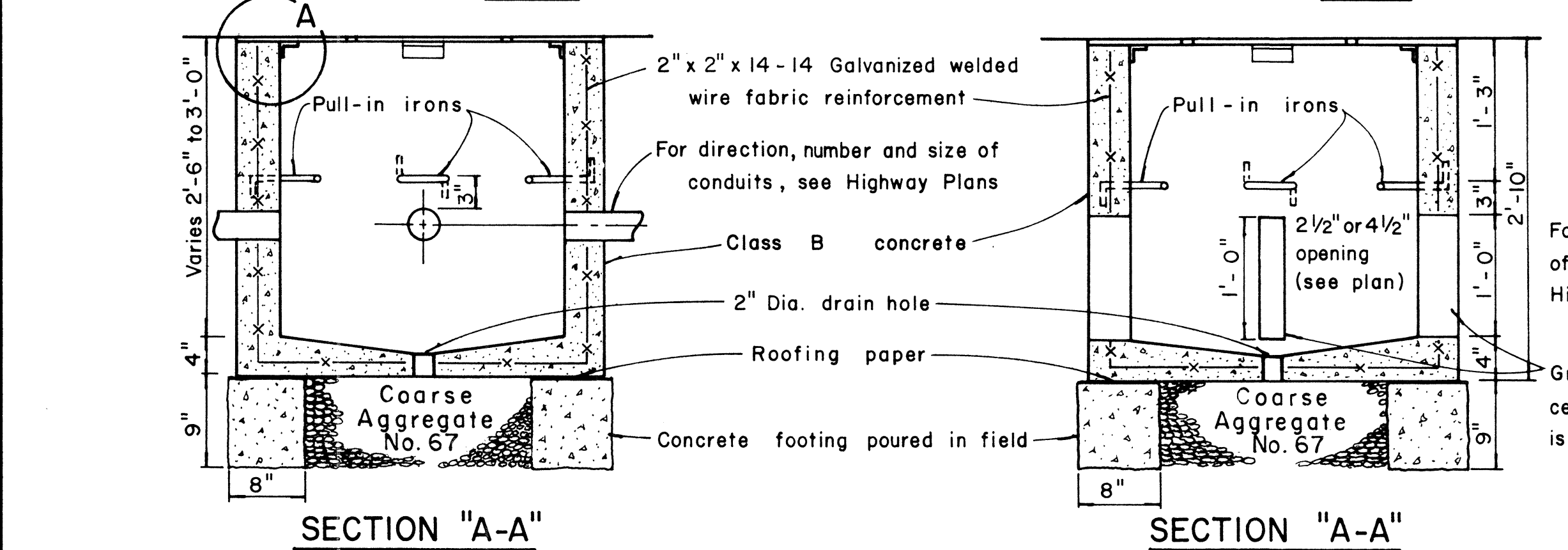
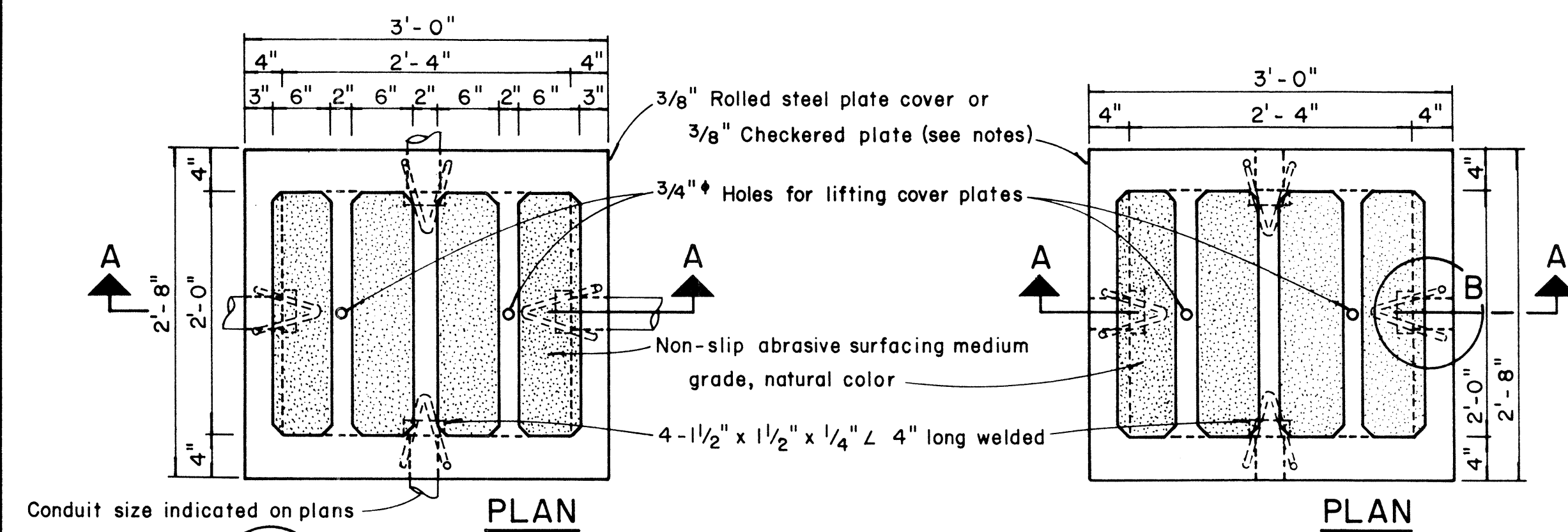
William B. B. B. 12/23/69
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL SYSTEM
MISCELLANEOUS DETAILS

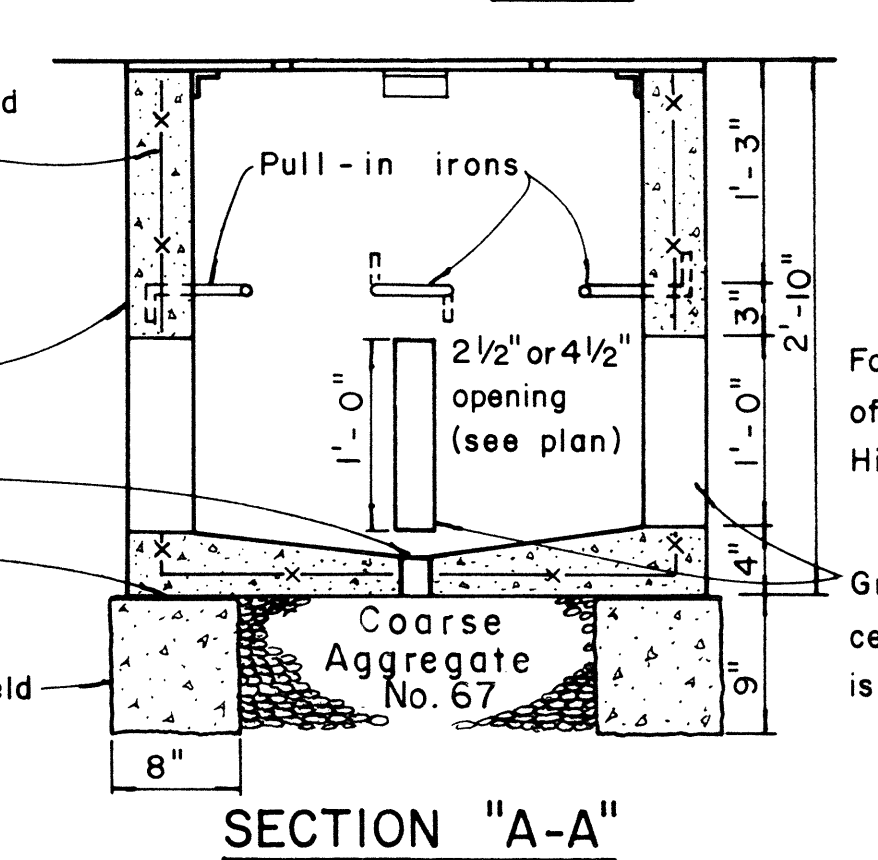
Not to Scale January, 1968

SHEET No. 8 OF 10 SHEETS DT 400



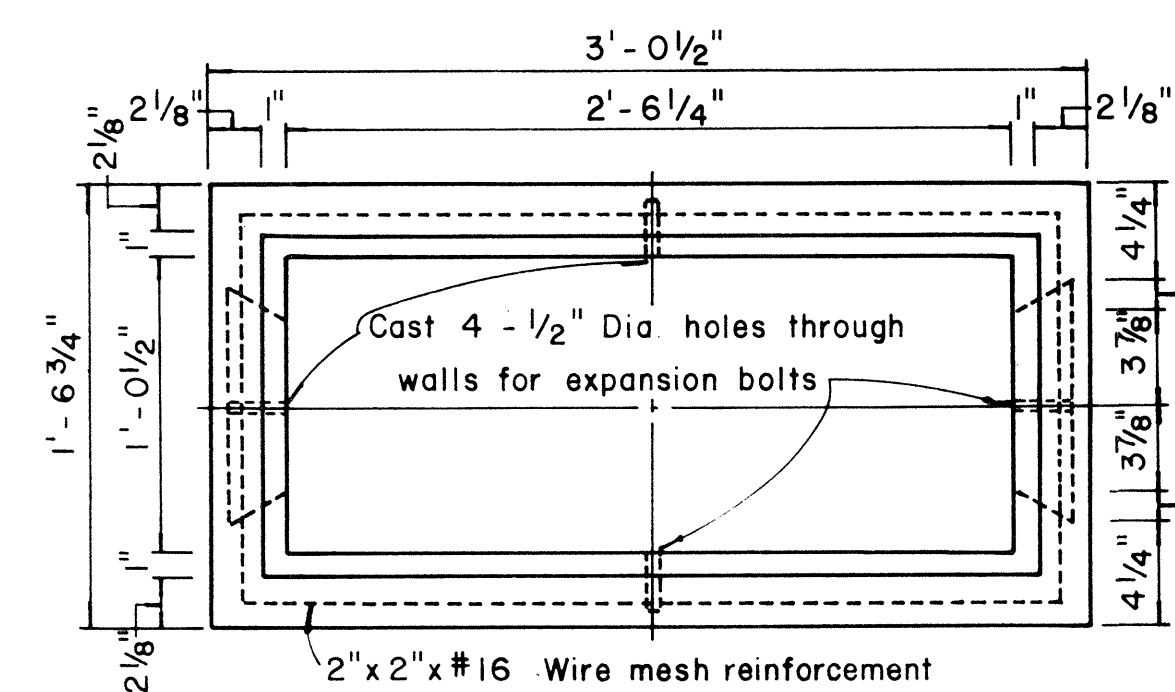
TYPE "A" PULLBOX CAST-IN-PLACE

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

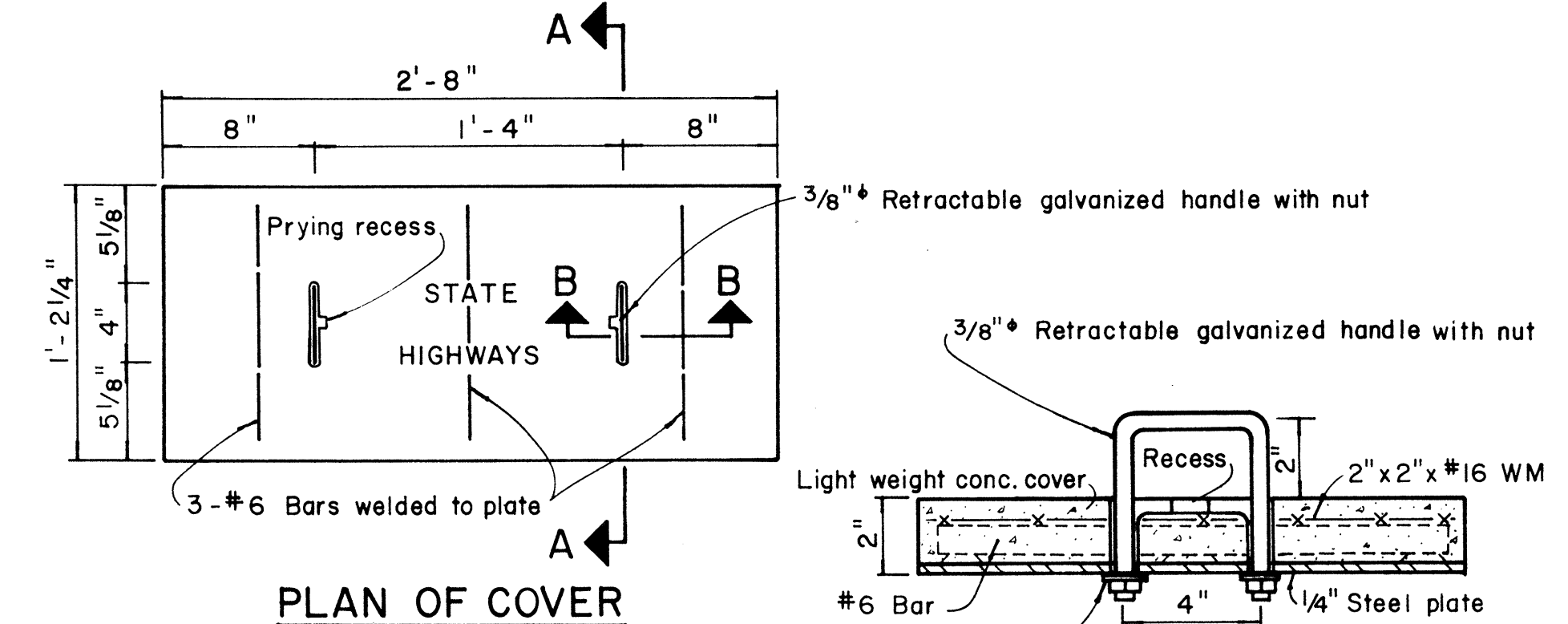


TYPE "A" PULLBOX PRECAST

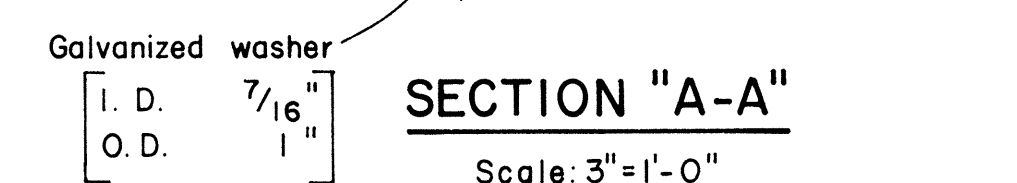
Scale: 1" = 1' - 0"



PLAN

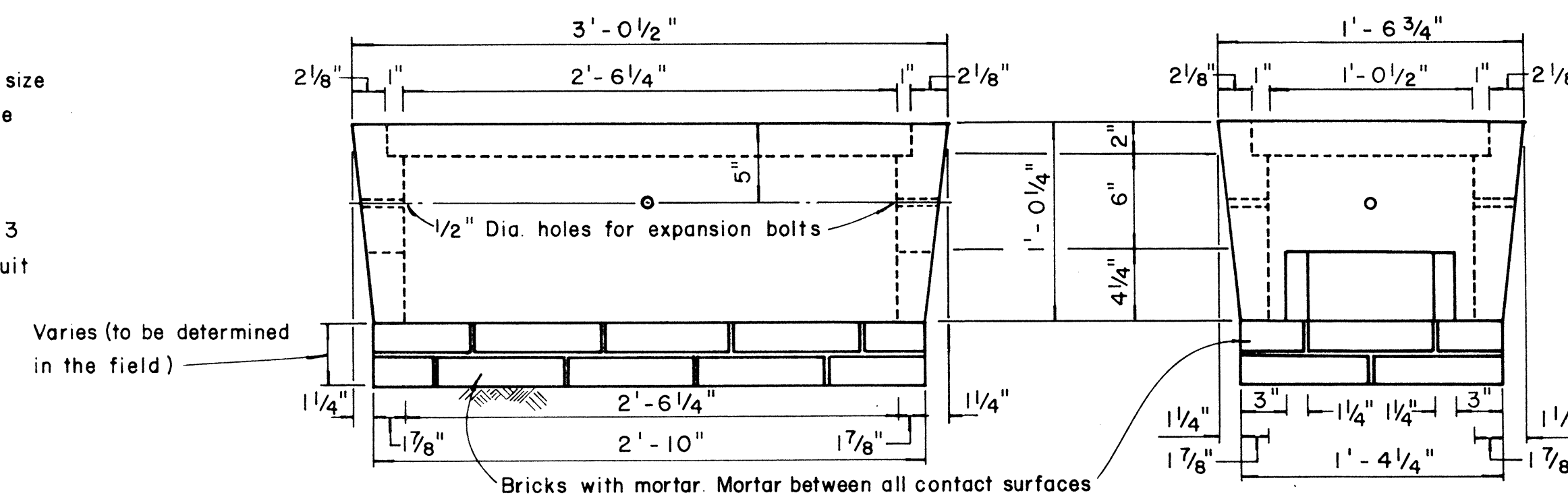


PLAN OF COVER



SECTION "A-A"

Scale: 3" = 1'-0"

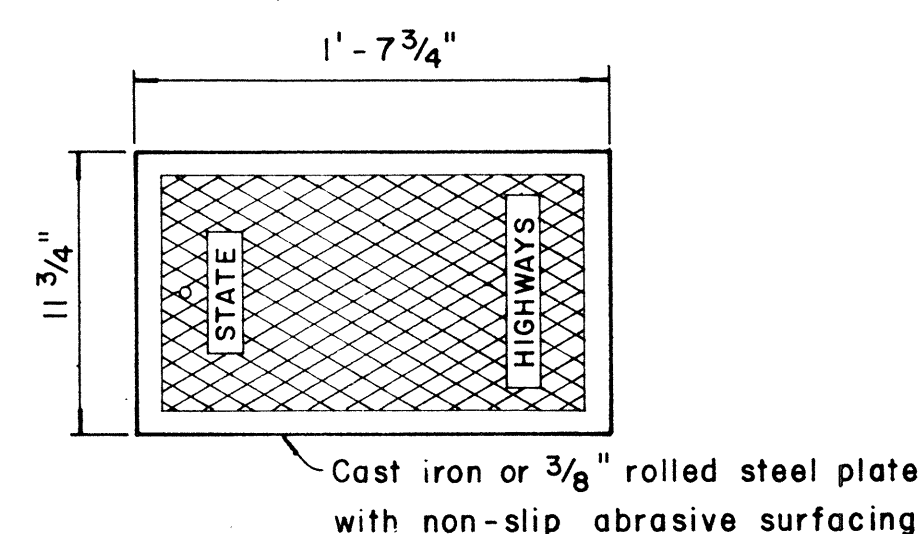
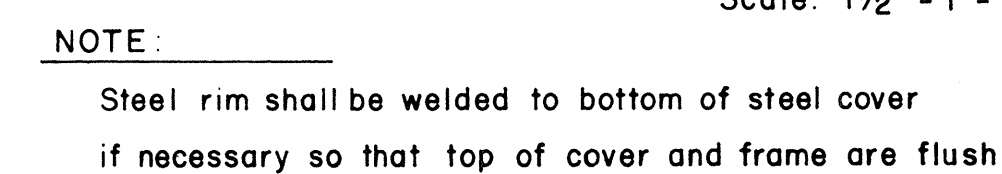


SIDE ELEVATION

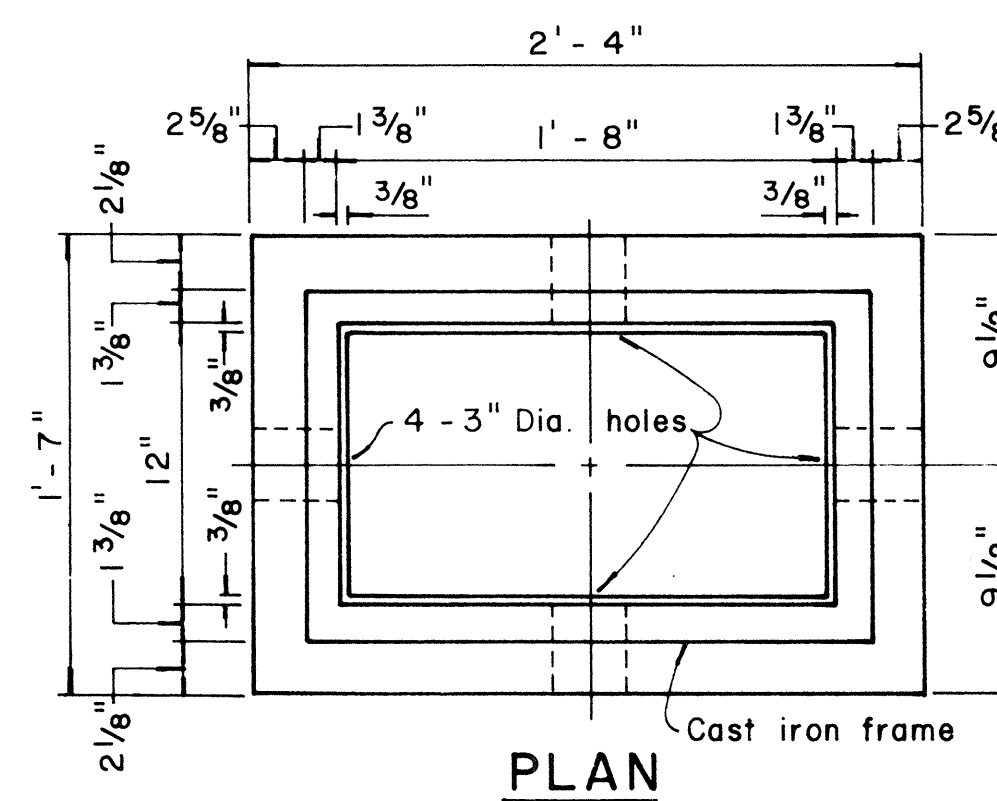
END ELEVATION

TYPE "C" PULLBOX

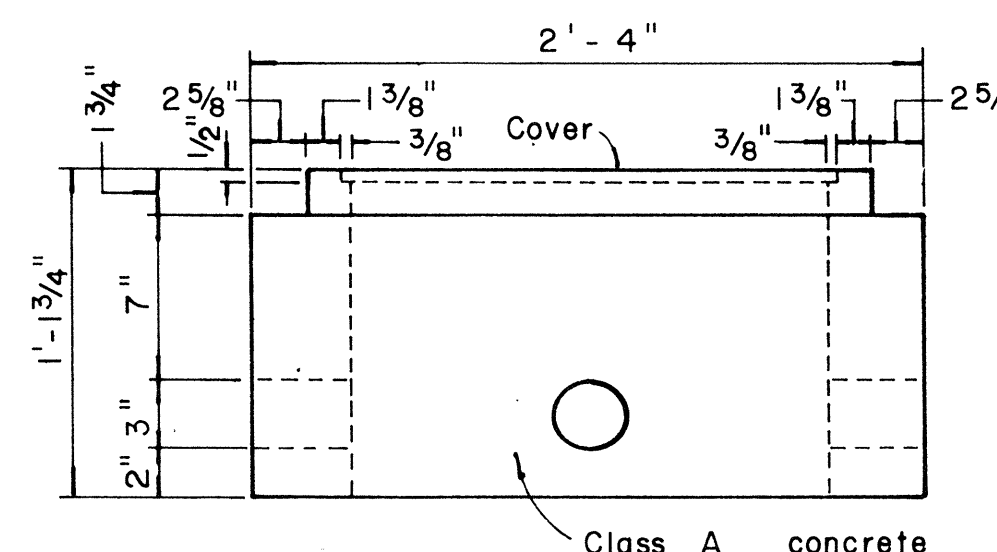
Scale: $1\frac{1}{2}" = 1' - 0"$



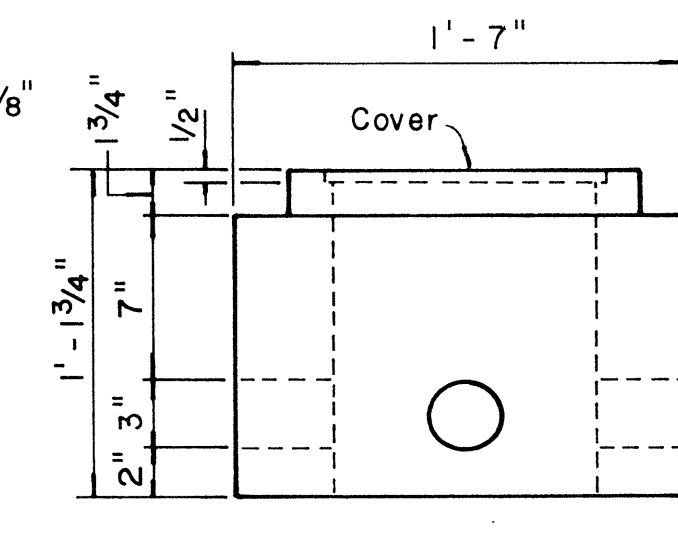
PLAN OF COVER



PLAN



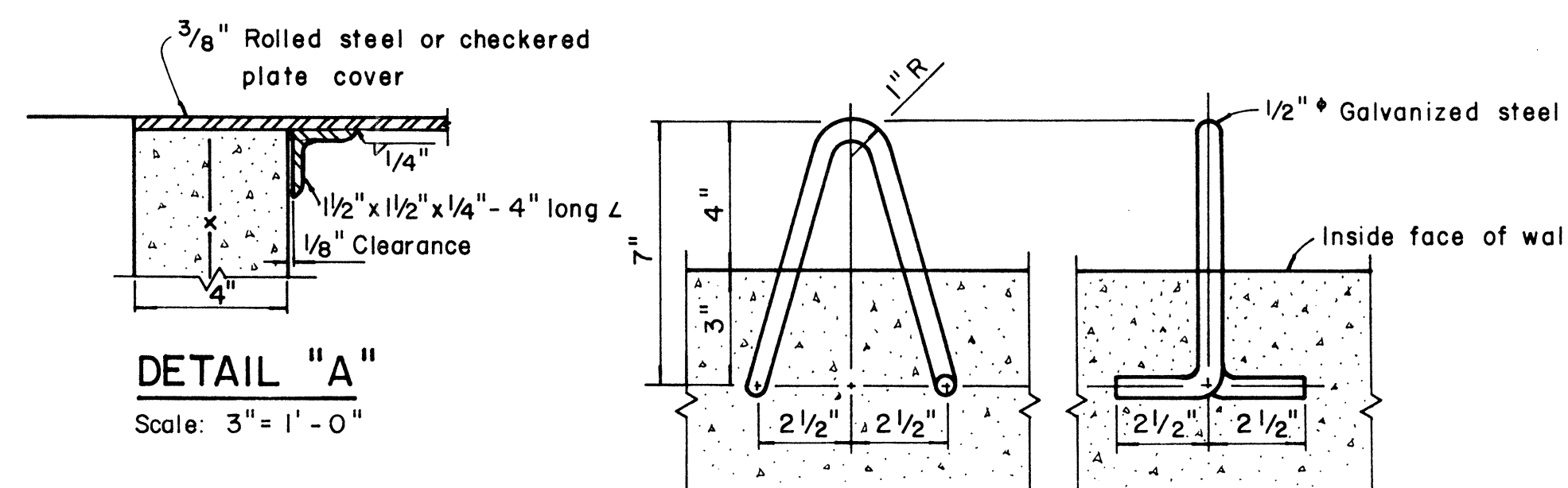
SIDE ELEVATION



END ELEVATION

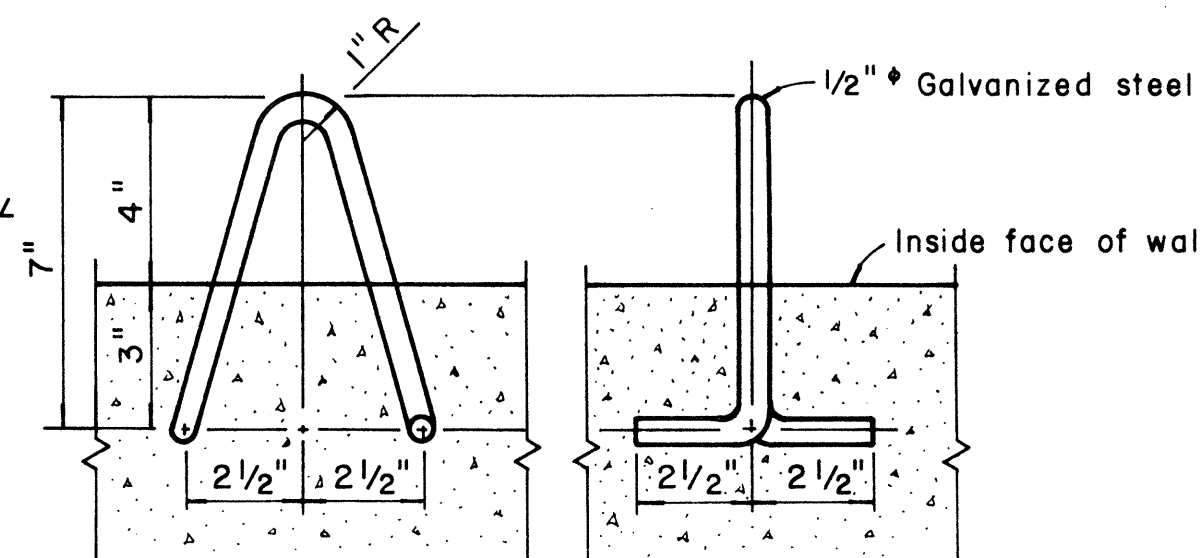
TYPE "B" PULLBOX

Scale: $1\frac{1}{2}" = 1'-0"$



DETAIL "A"

Scale: $3'' = 1' - 0''$



PULL-IN IRON DETAIL "B"

Scale: 3" = 1'-0"

NOTES: (FOR TYPE "A" PULLBOX)

1. $\frac{3}{8}$ " Rolled steel plate cover with non-slip abrasive surfacing medium grade, natural color shall be used on all pullboxes located on sidewalk areas where pedestrians are walking.
2. $\frac{3}{8}$ " Checkered plate cover shall be used on all pullboxes located in median areas and other locations where there are no pedestrians walking.
3. Pull irons shall be placed opposite each conduit slot.
4. Covers on all pullboxes located in sidewalk areas shall be set flush with the concrete sidewalk.
5. Each pullbox shall have a pair of pull irons opposite each other for lifting purposes.

NO.	REVISION	APPROVED BY	DATE

APPROVAL RECOMMENDED:
Erich Tanaka 12/29/22
TRAFFIC ENGINEER DATE

APPROVED: John J. Jick 12-30-69
ASSISTANT CHIEF, ENGINEERING DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

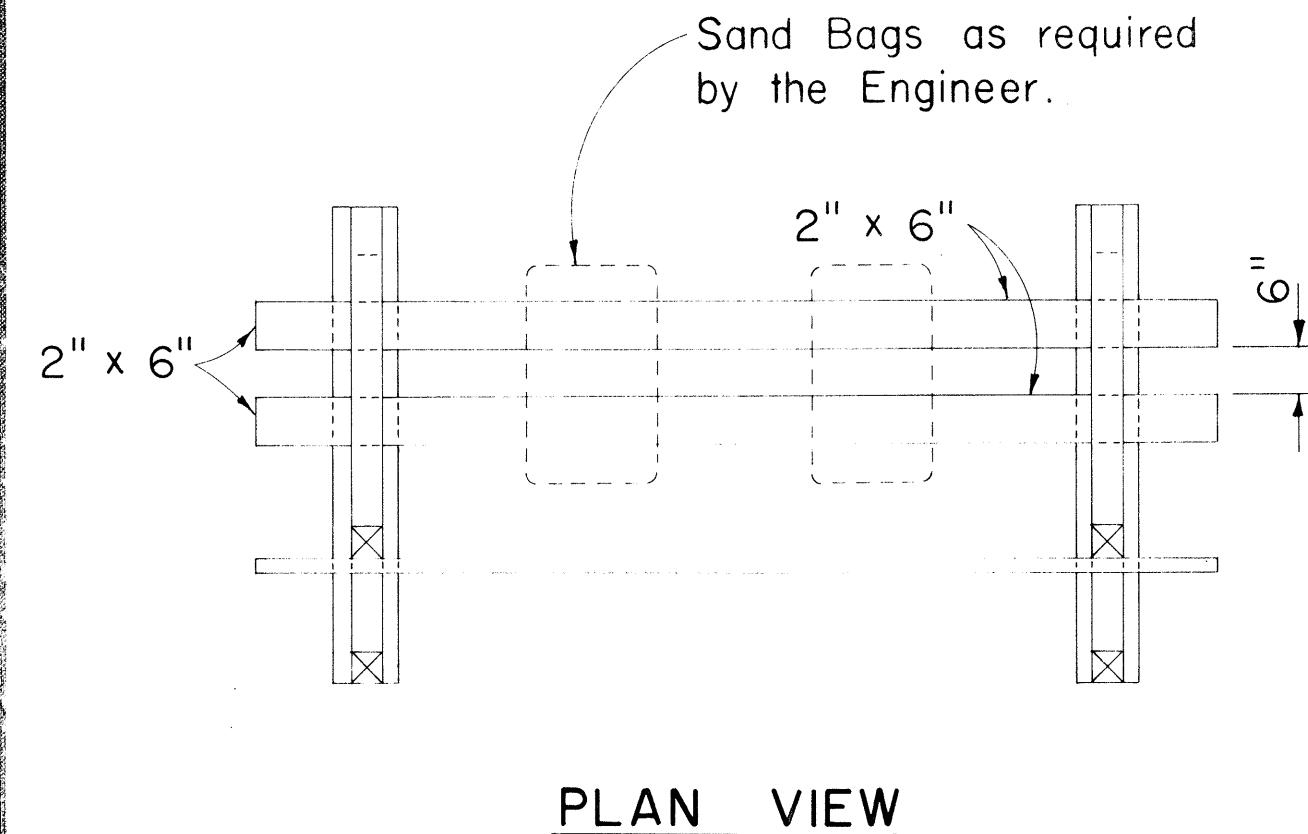
STANDARD DETAILS

PULLBOXES

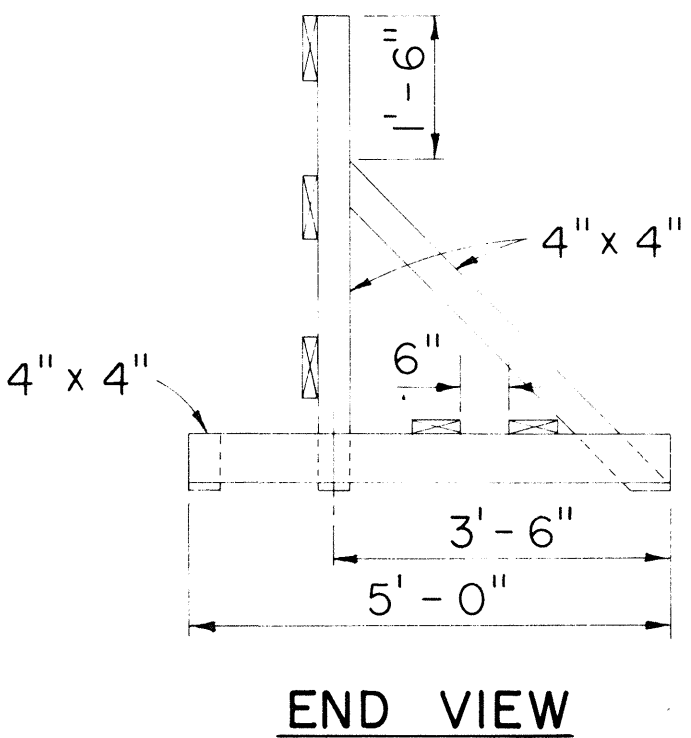
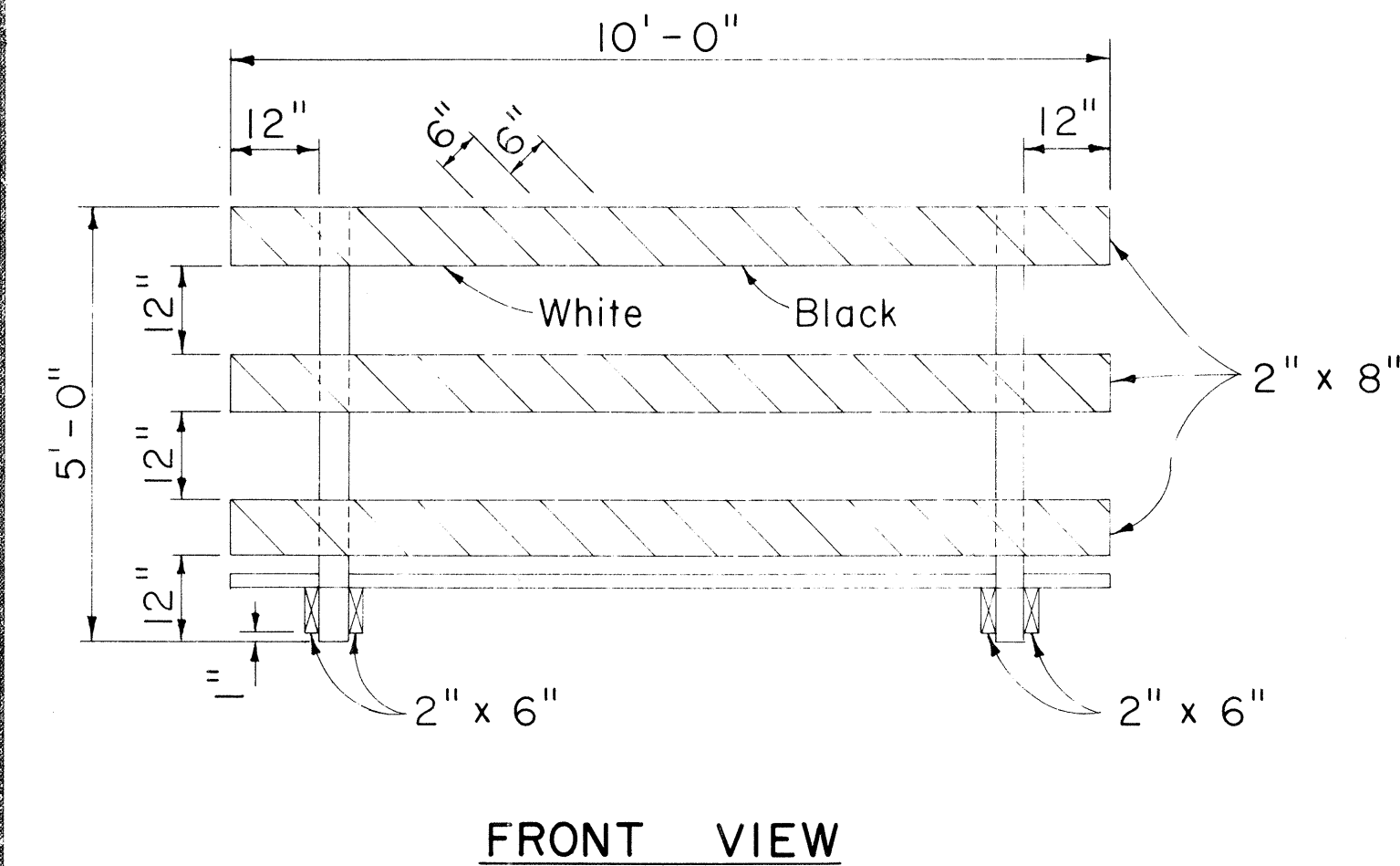
Scale as noted Date

SHEET No. 9 OF 10 SHEETS DT 401

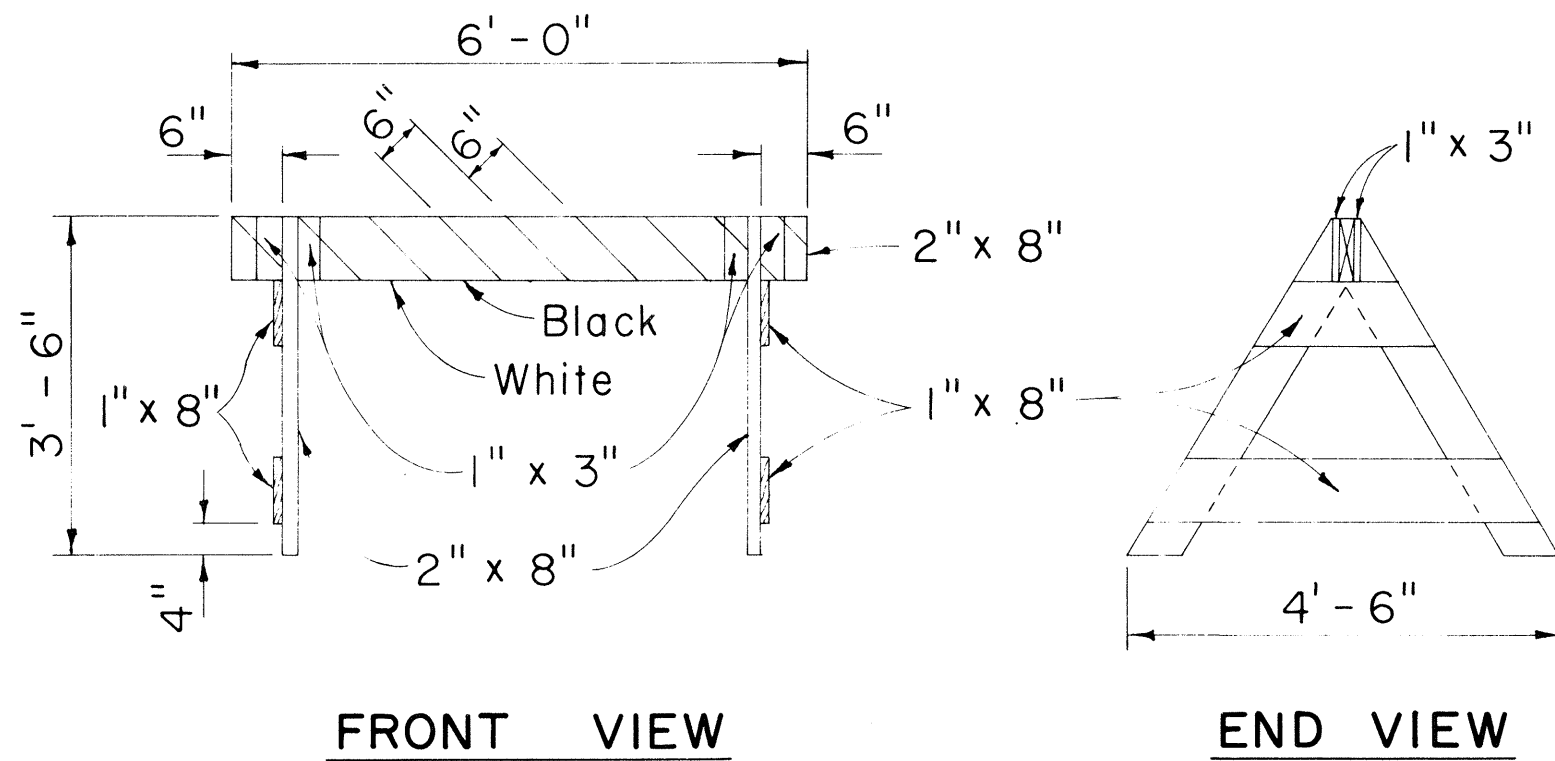
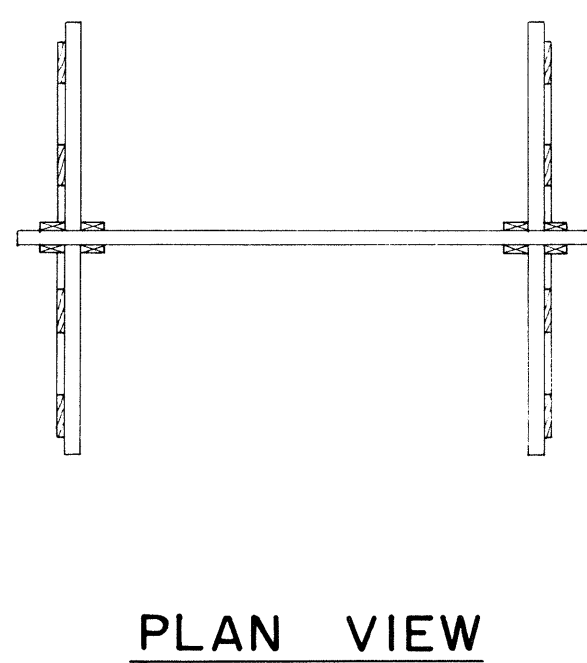
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	808D-03-70 PHASE II & III 92A-01-71	1970	25	26



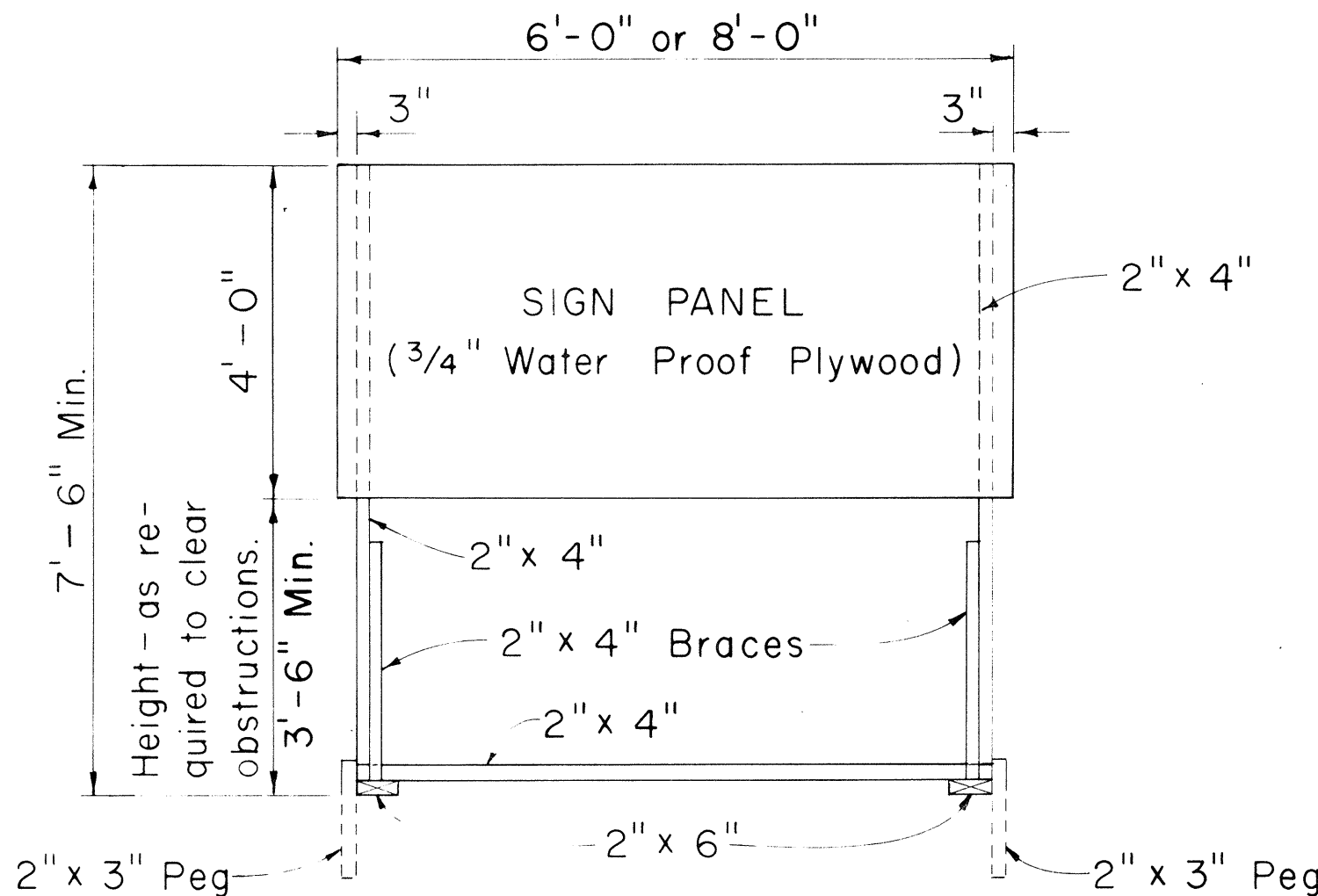
- GENERAL NOTES**
- The Contractor shall construct, install and maintain the wood barricades at the locations shown on the Plans.
 - The permanent wood barricades shall be left in place or relocated upon completion of the project as ordered by the Engineer and are to become State property.



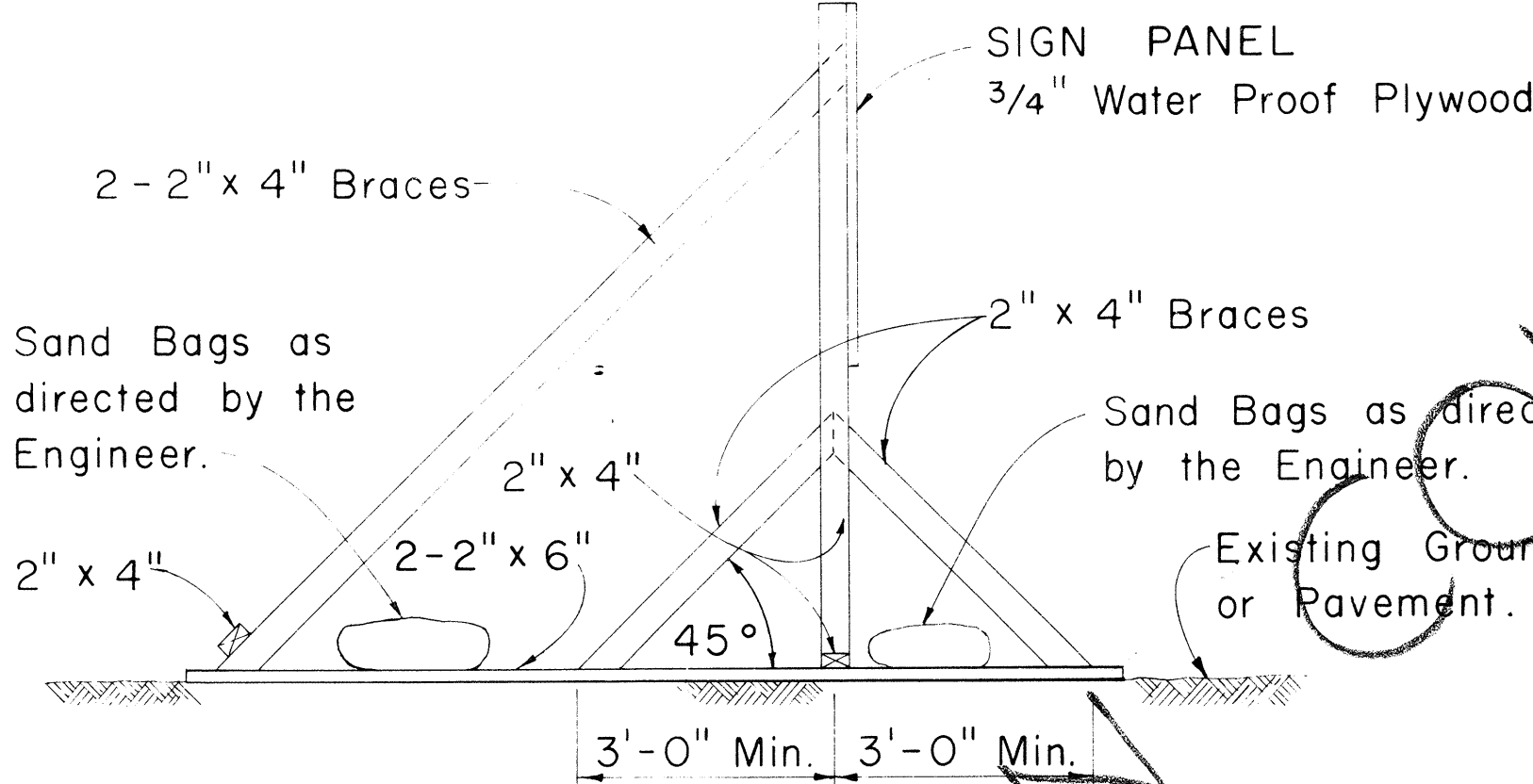
CLASS I BARRICADE
Scale: 1/2" = 1'-0"



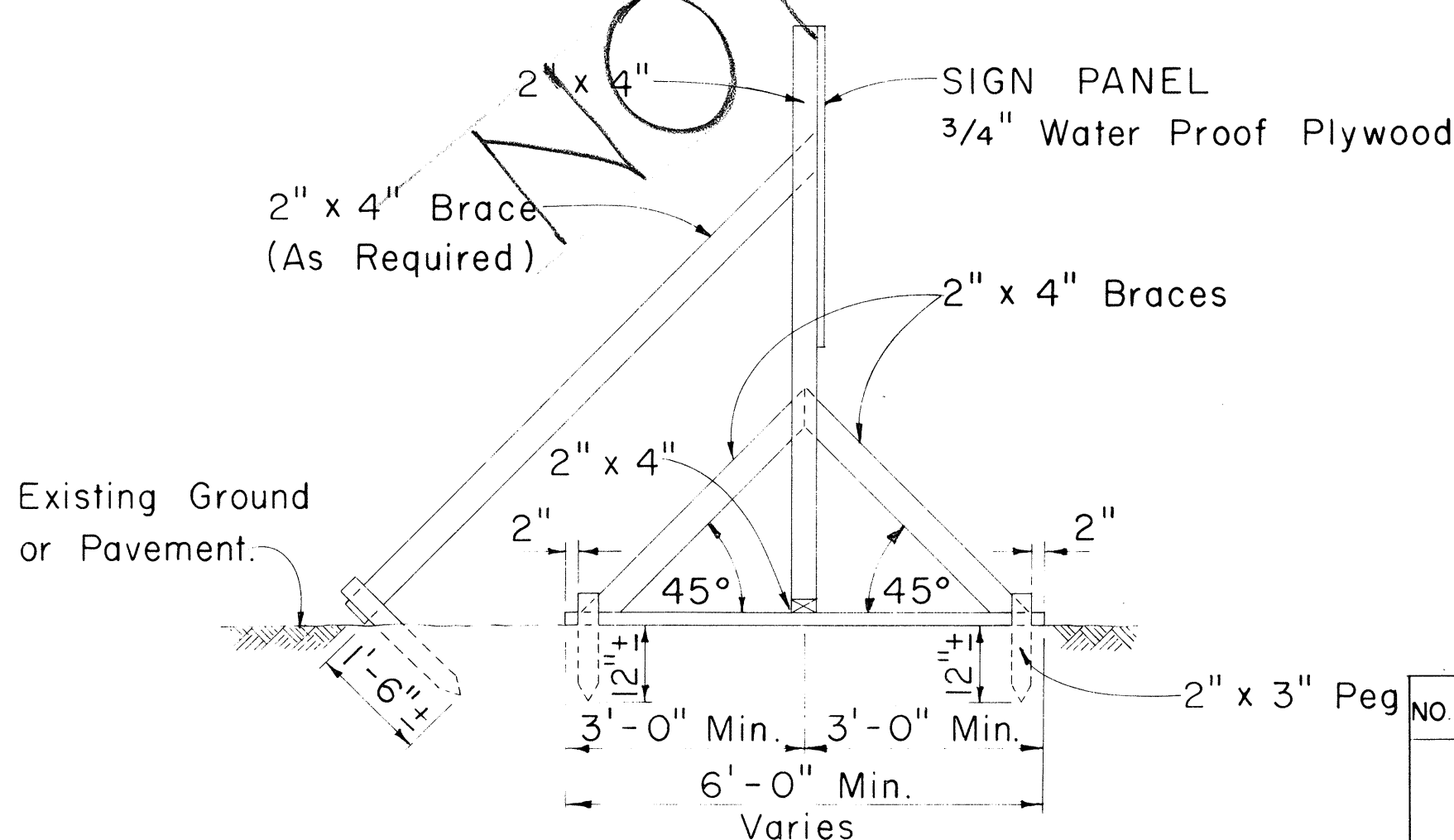
CLASS II BARRICADE
Scale: 1/2" = 1'-0"



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

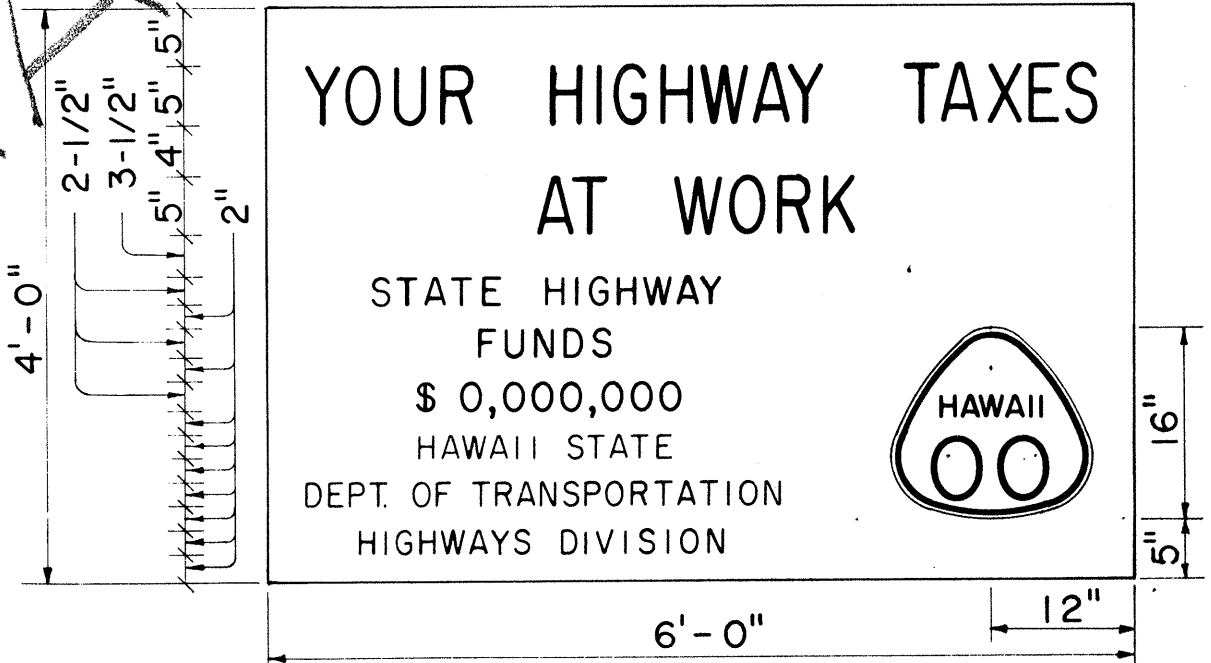
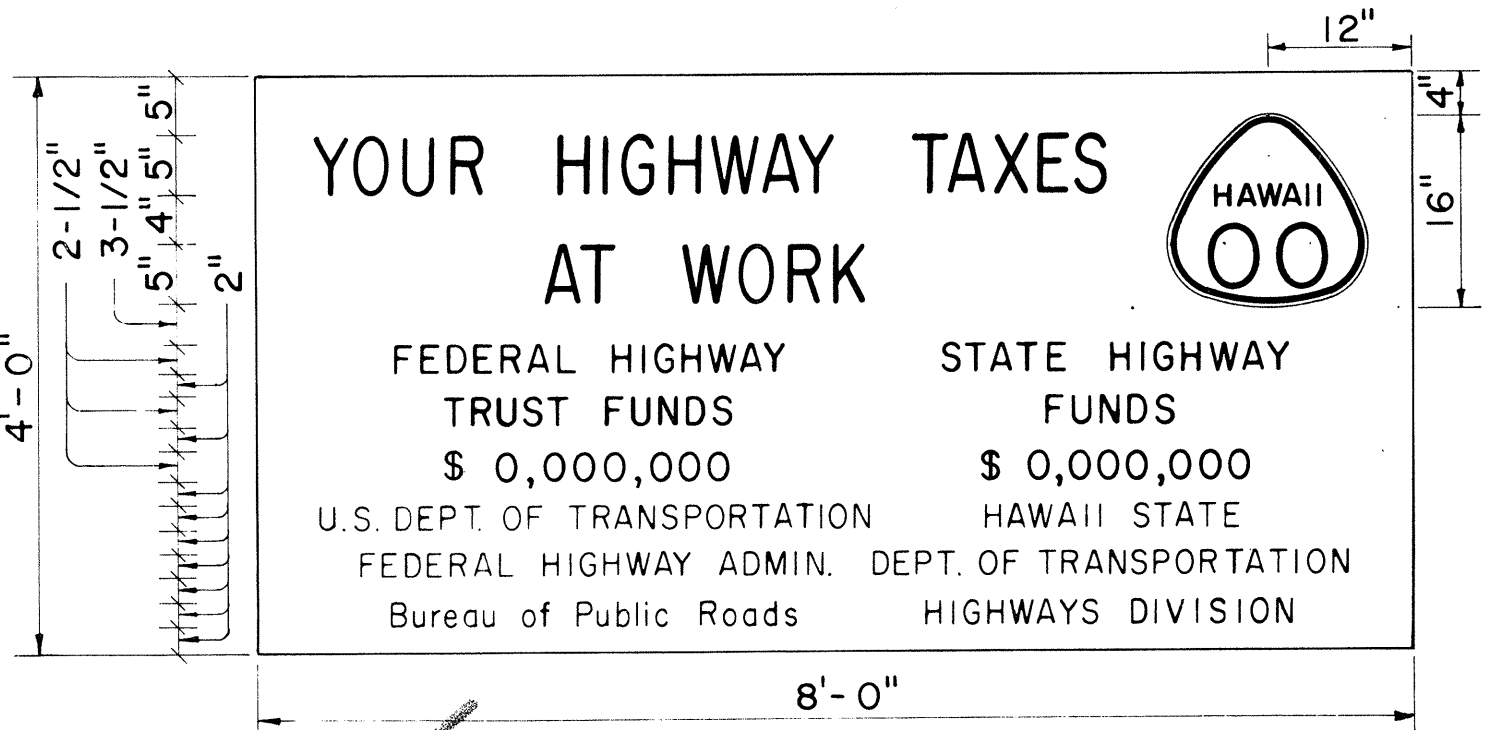


(SIGN FRAME WEIGHTED DOWN)
Scale: 1/2" = 1'-0"



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

CONSTRUCTION IDENTIFICATION SIGN
Scale: As Shown



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 12/29/69
TRAFFIC ENGINEER DATE

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

NO	REVISION	APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL DETAILS

WOOD BARRICADES

Scale: As Shown Date: 12/29/69

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