

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(18) UNIT 2	1965	34	75

Sta. 98+40 Pt.
Mount 400 watt mercury
luminaire with 15' bracket
on Joint Pole (See Detail)

Sta. 99+70
Install 2 Type C
Pullboxes 35 l.f.
2 1/2" conduit

Sta. 102+20
Install 3
Type C P.B.
30 l.f. 1 1/2" conduit

2 1/2" conduit. Seal ends and
stake terminate conduit 5'
from pavement.

Future Highway Light. Construct
base with anchor bolts. See
Sheet 35 and 32 for details.

LEGEND

- ☒ Type 'C' Pullbox
- 2 1/2" Galv. rigid steel conduit encased in concrete jacket
- 400 watt mercury vapor luminaire on Mast Arm Bracket on Joint Pole.

NOTES:

- Conduits shall be stubbed out at least two feet (2') from pullboxes. Conduit ends shall be sealed.
- All conduit in areas subject to vehicular traffic shall be encased in concrete
- Pullboxes shall be set 10 feet from edge of pavement along uncurbed roadway areas.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM
KUNIA INTERCHANGE

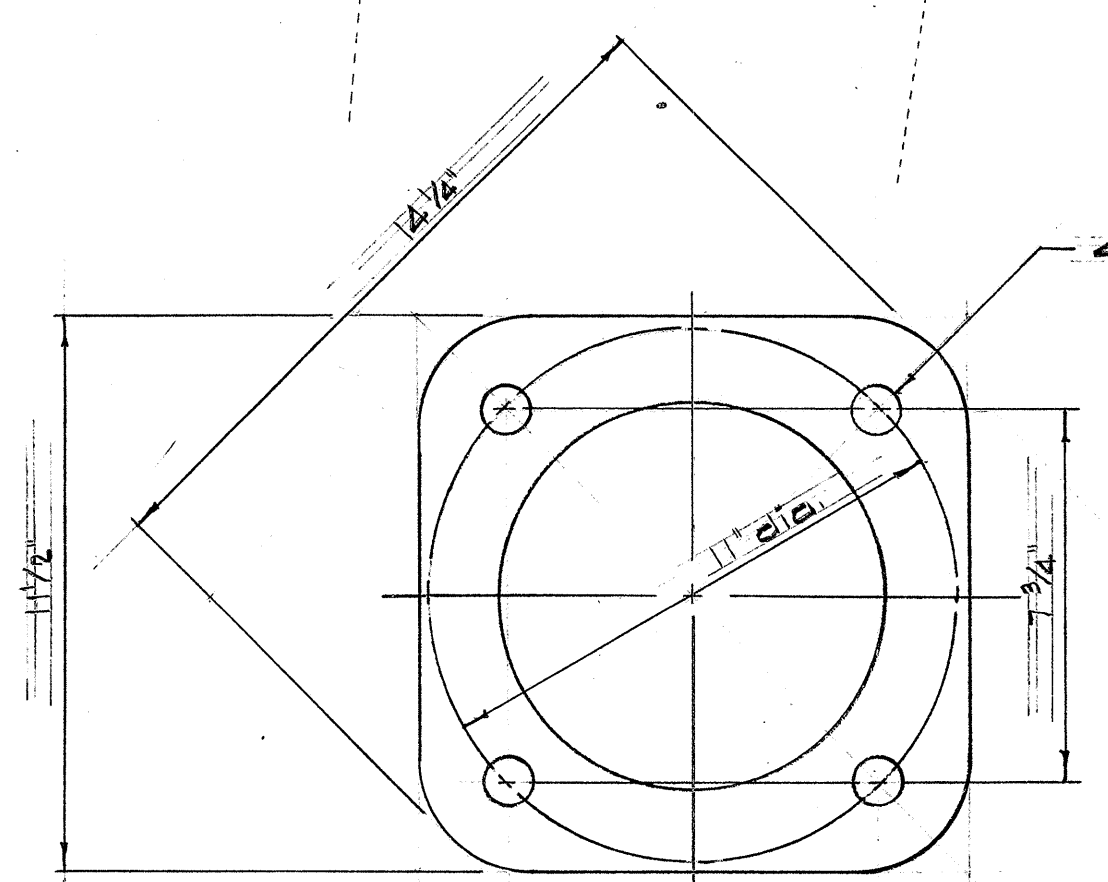
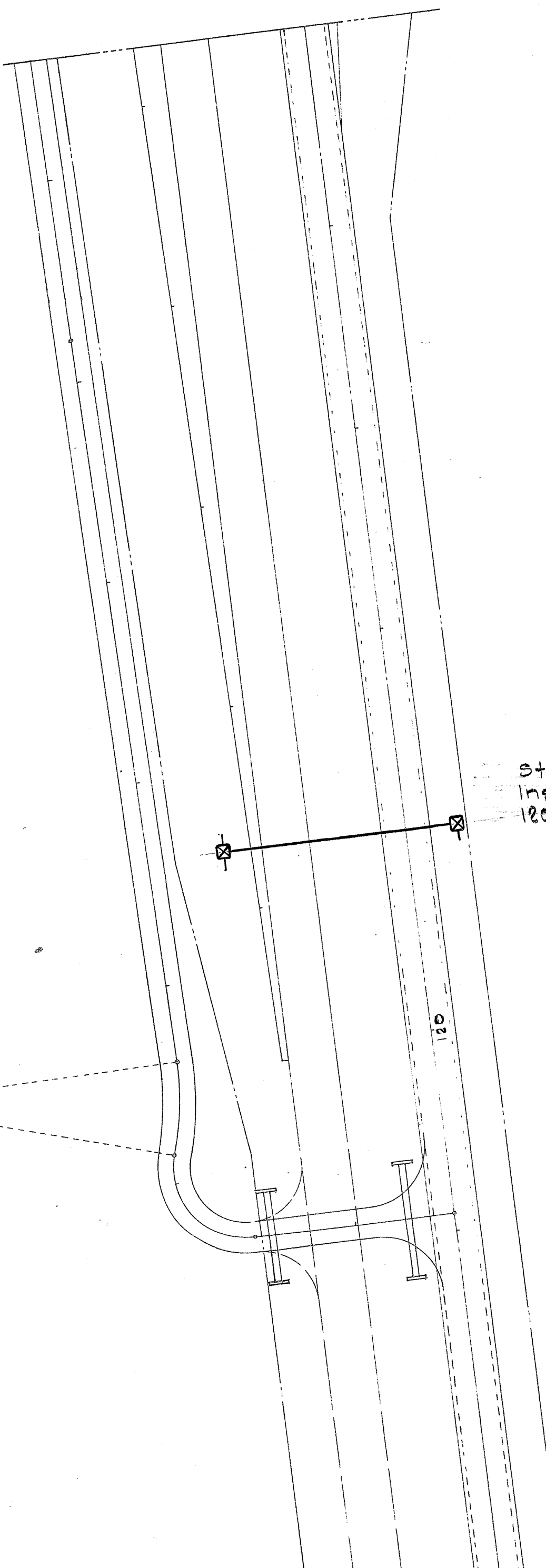
INTERSTATE ROUTE H-1
F.A.I. PROJ. No. 1-H-1(18) UNIT 2

Scale: 1"=50' Date: July, 1965

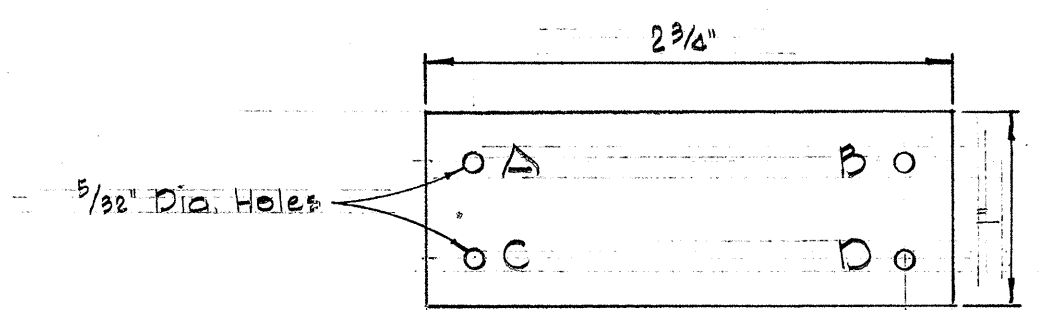
SHEET No. 1 OF 4 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	"
DRAWN BY	"
DESIGNED BY	"
CHECKED BY	"
NOTE BOOK	"
No.	"

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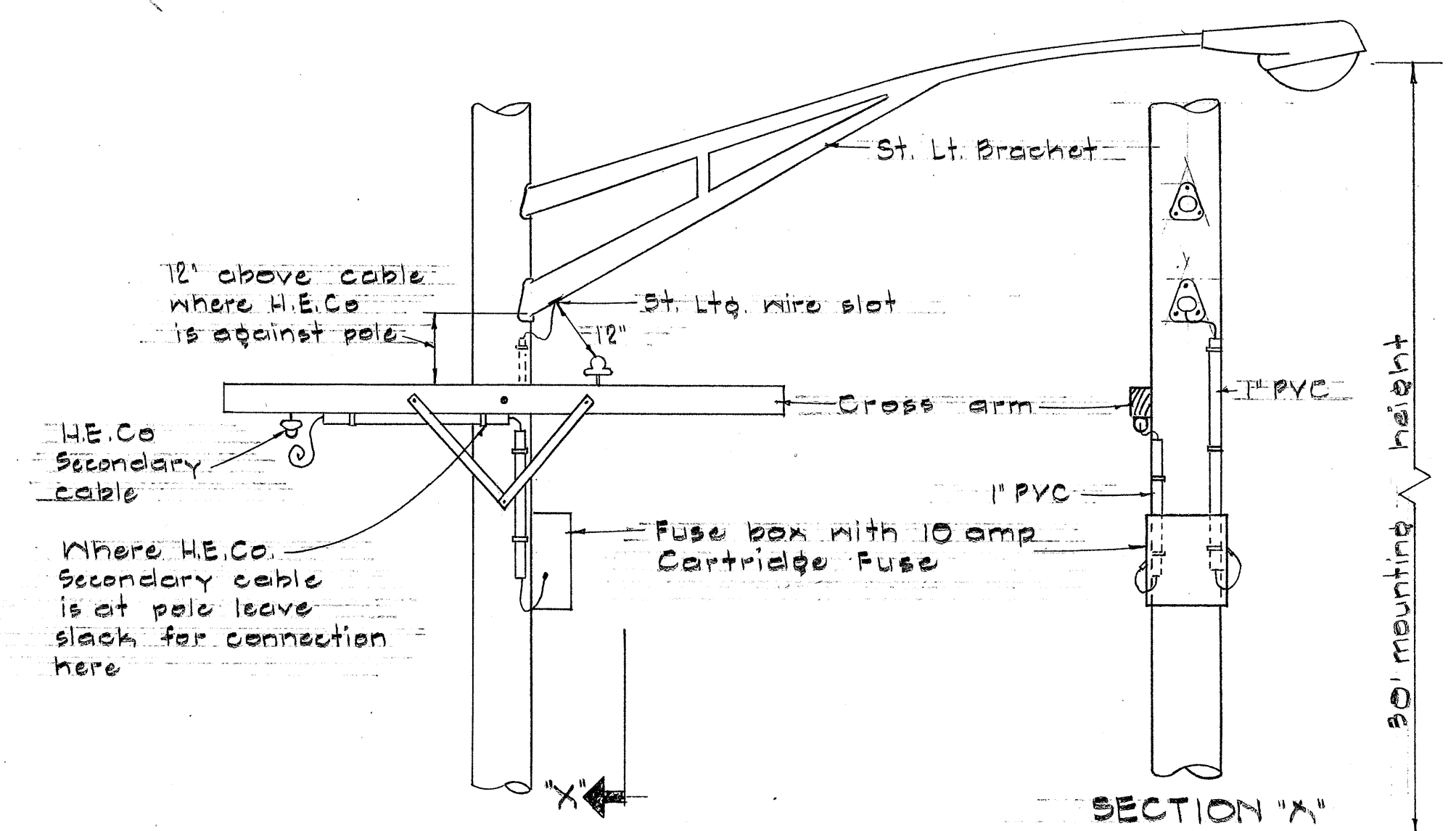
ANCHOR BOLT LAYOUT
Scale: 3"=1'-0"



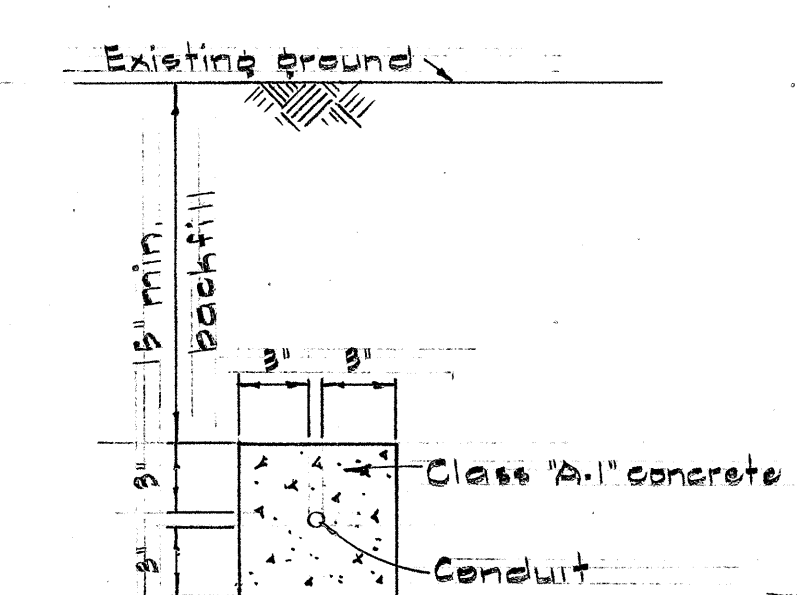
IDENTIFICATION TAG DETAIL

LEGEND
A=Energy Contract Number (Obtain from State or H.E.Co.)
B=Light Number from State or H.E.Co.
C=H-400
D=Type II

NOTES:
1. Make from laminated black on white plastic.
2. Mount C above curb or finish grade. Use No. 40 Al. nails.
3. Letters to be No. 5 reduction, 1/8" engraved or stencilled.



LOCATION OF STATE EQUIPMENT ON JOINT POLE
NOT TO SCALE



TYPICAL DETAIL OF STEEL AND ASBESTOS CEMENT CONDUITS ENCASED IN CONCRETE
Scale: 1 1/2"=1'-0"

Sta. 110+60
Install 2 Type C pullbox 125 l.f. 2" conduit

Sta. 114+70
Install 2 Type C pullboxes 130 l.f. 2" conduit

STATE OF HAWAII
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HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

KUNIA INTERCHANGE

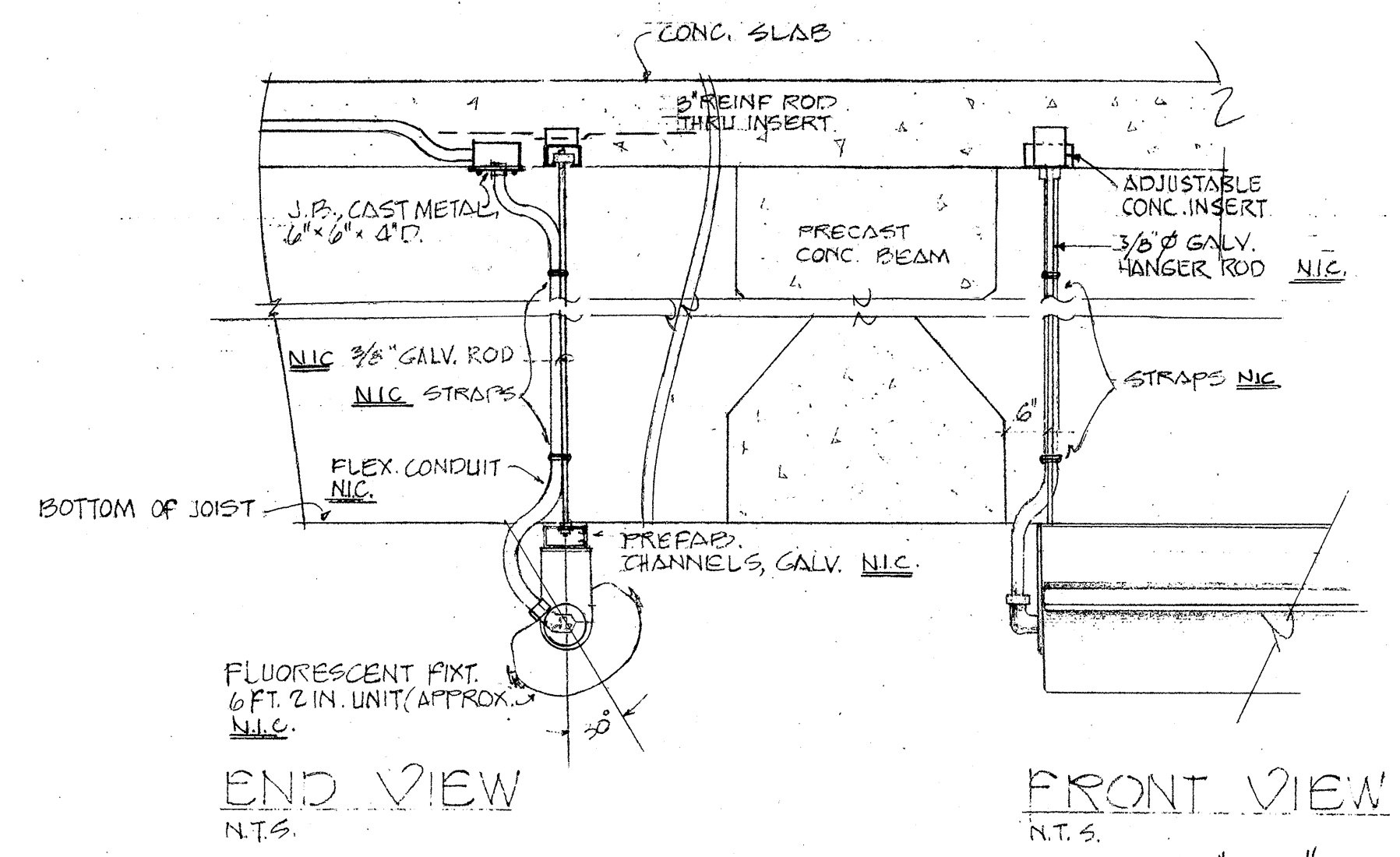
INTERSTATE ROUTE H-1
F.A.I. PROJ. No. 1-HI-1(18), UNIT 2

Scale: as noted Date: July, 1965

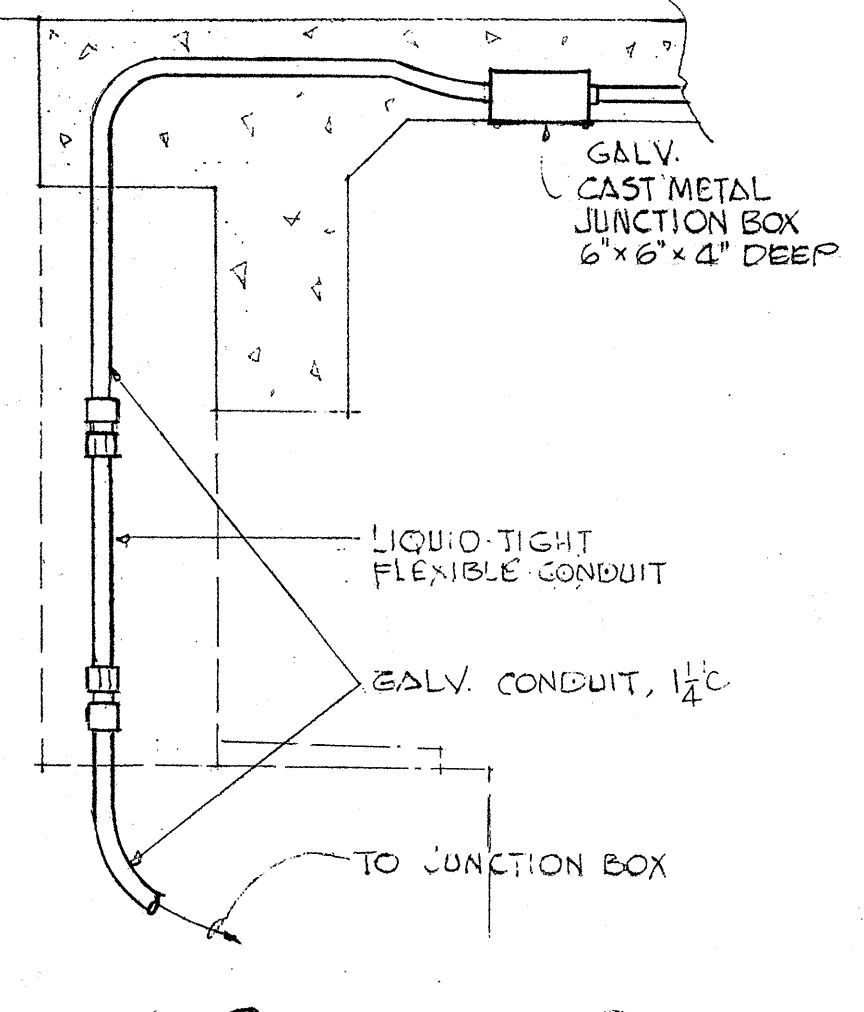
SHEET No. 2 OF 4 SHEETS

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
No.	

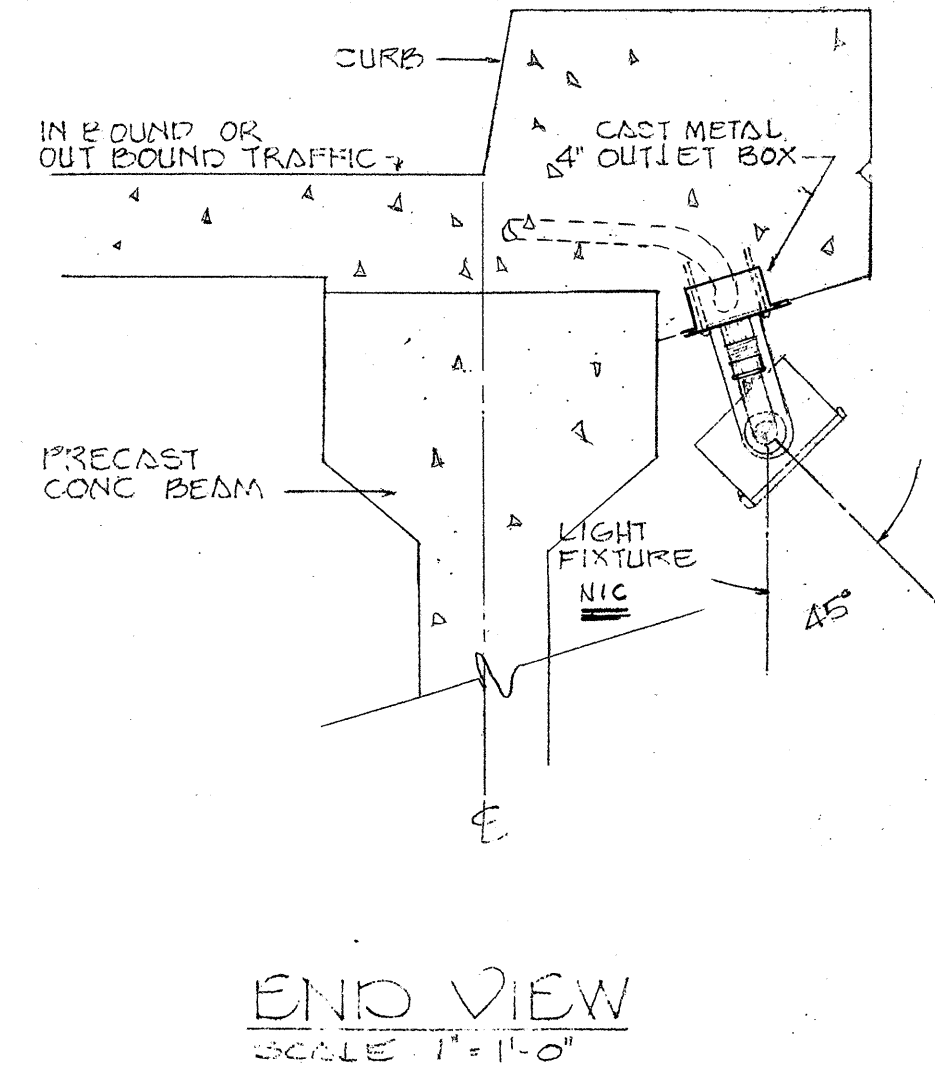
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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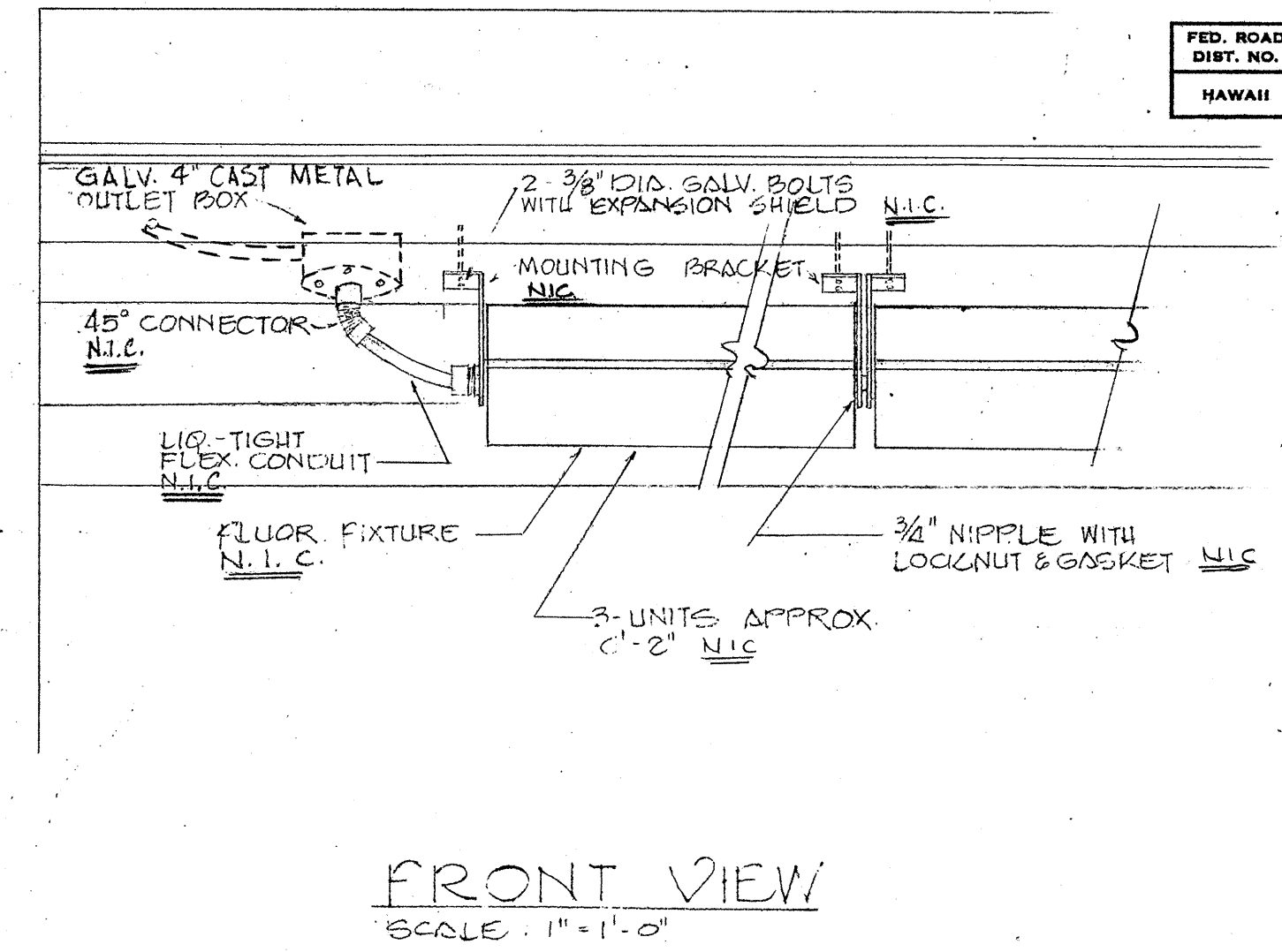
FLUORESCENT FIXTURE DETAIL "A"



FLEXIBLE CONNECTION DETAIL "B"

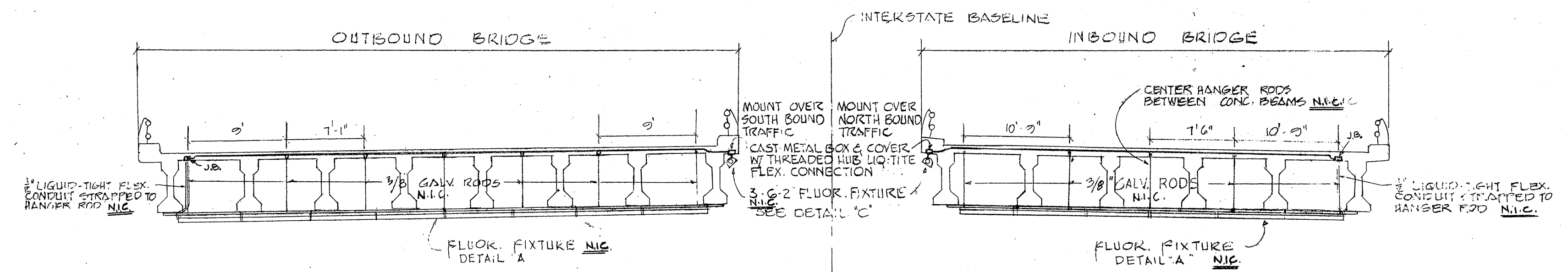


END VIEW SCALE: 1"=1'-0"

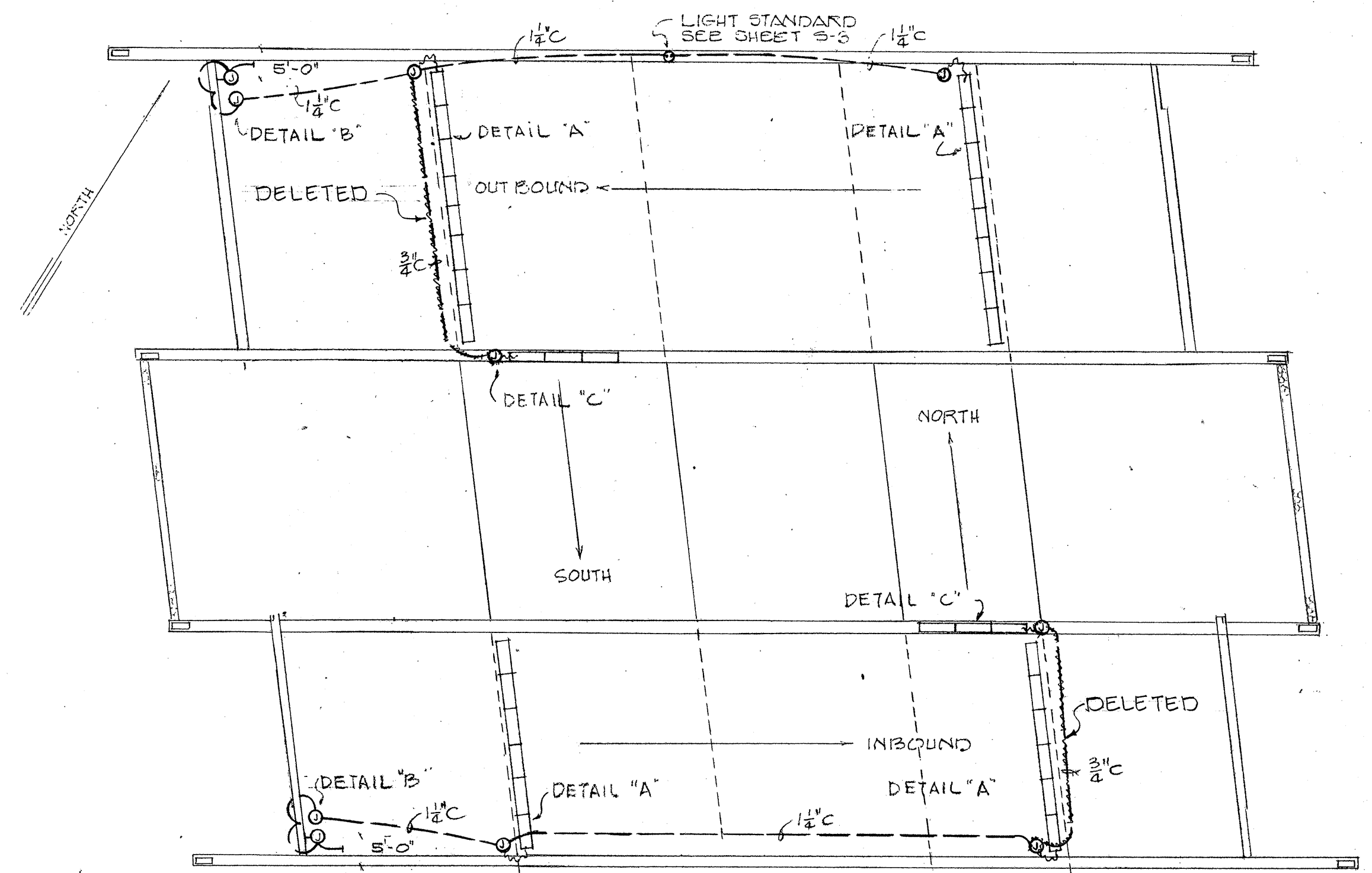


FRONT VIEW SCALE: 1"=1'-0"

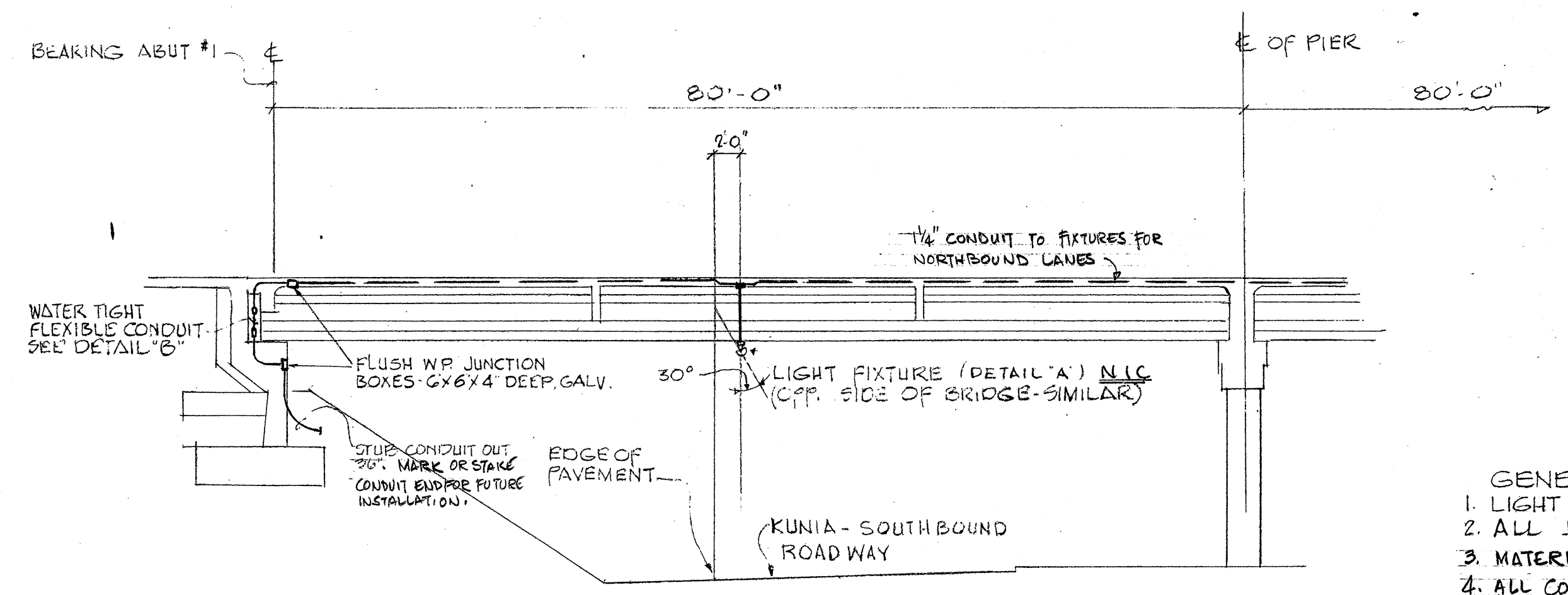
FLUORESCENT FIXTURE MOUNTING DETAIL "C"



LIGHT MOUNTING DETAIL (CROSS SECTION OF BRIDGE)



BRIDGE LIGHTING PLAN SCALE: 1"=20'-0"



LIGHT MOUNTING ELEVATION SCALE: 1"=10'-0"

- GENERAL NOTES:
1. LIGHT FIXTURES, HANGER RODS & CHANNELS NOT IN CONTRACT.
 2. ALL JUNCTION & OUTLET BOXES TO HAVE CAST METAL COVERS.
 3. MATERIALS AND EQUIPMENT MARKED "N.I.C." ARE NOT IN THIS CONTRACT.
 4. ALL CONDUITS SHALL HAVE PULLWIRES INSTALLED.
 5. ALL CONDUITS TERMINATED IN GROUND SHALL BE SEALED AND THEIR ENDS MARKED BY STAKES.

STATE OF HAWAII
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HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM
KUNIA INTERCHANGE

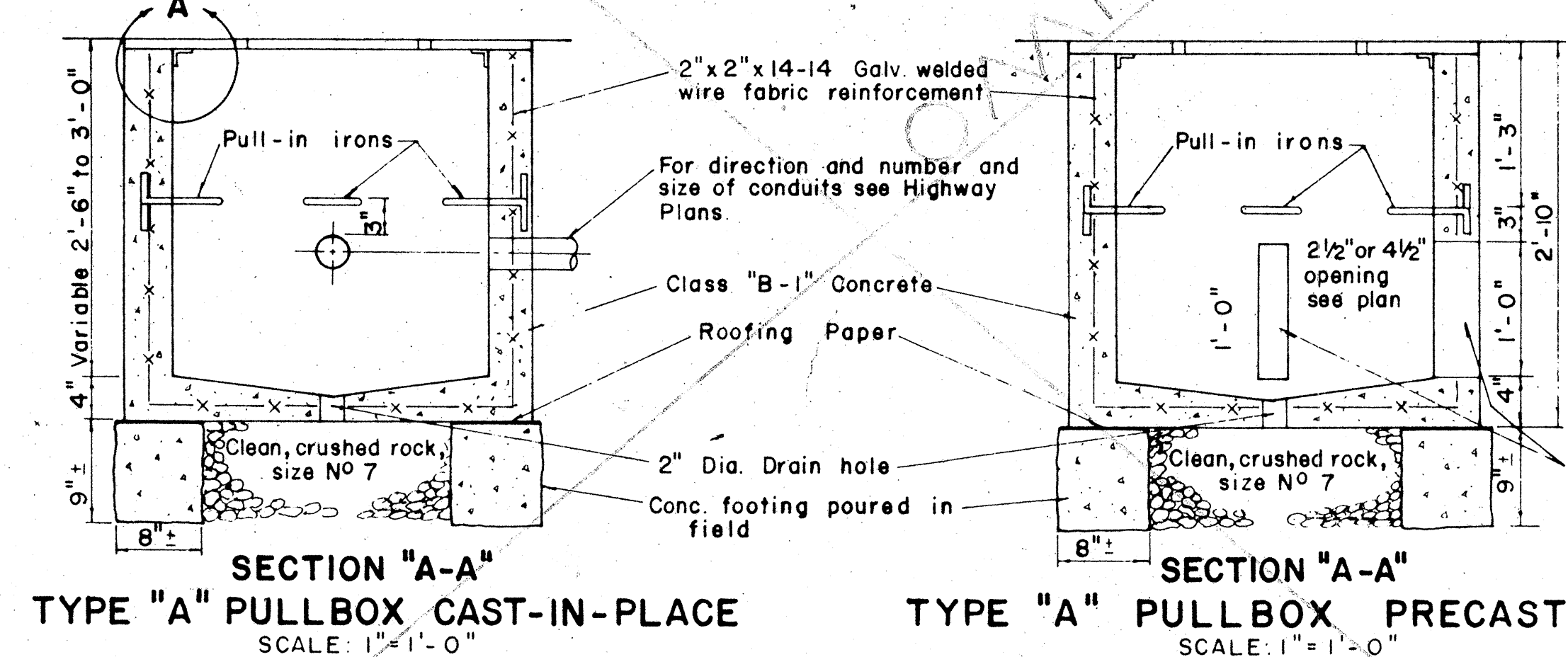
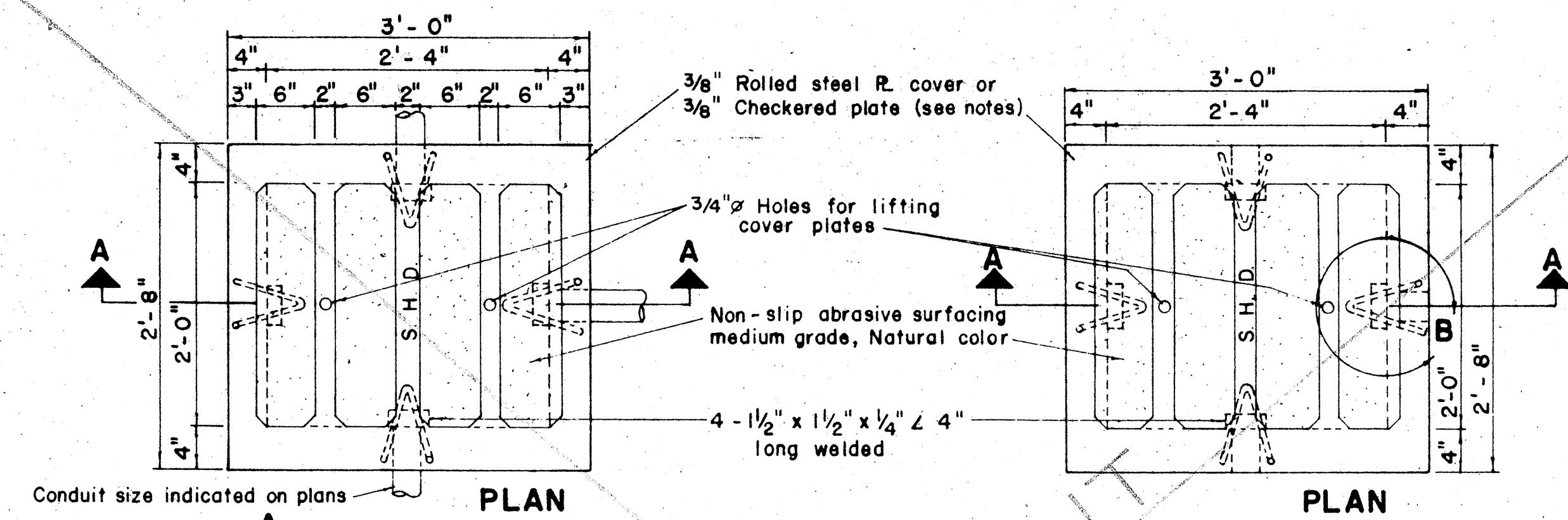
INTERSTATE ROUTE H-1
F.A.I. PROJ. No. 1-HI-1(18) UNIT 2

Scale as noted Date: July, 1965

SHEET No. 3 OF 4 SHEETS

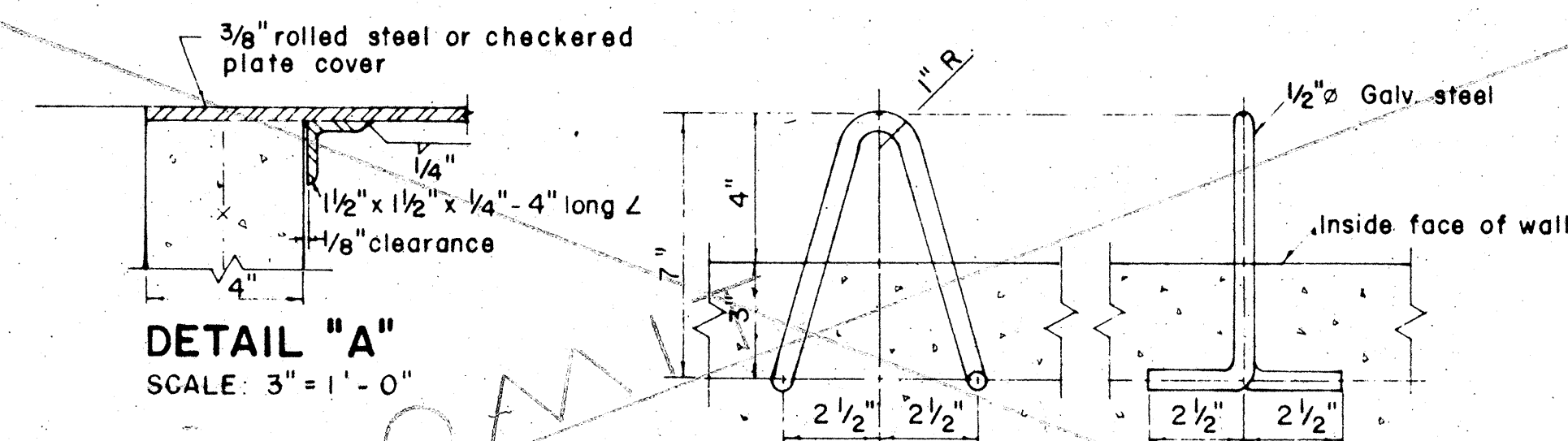
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

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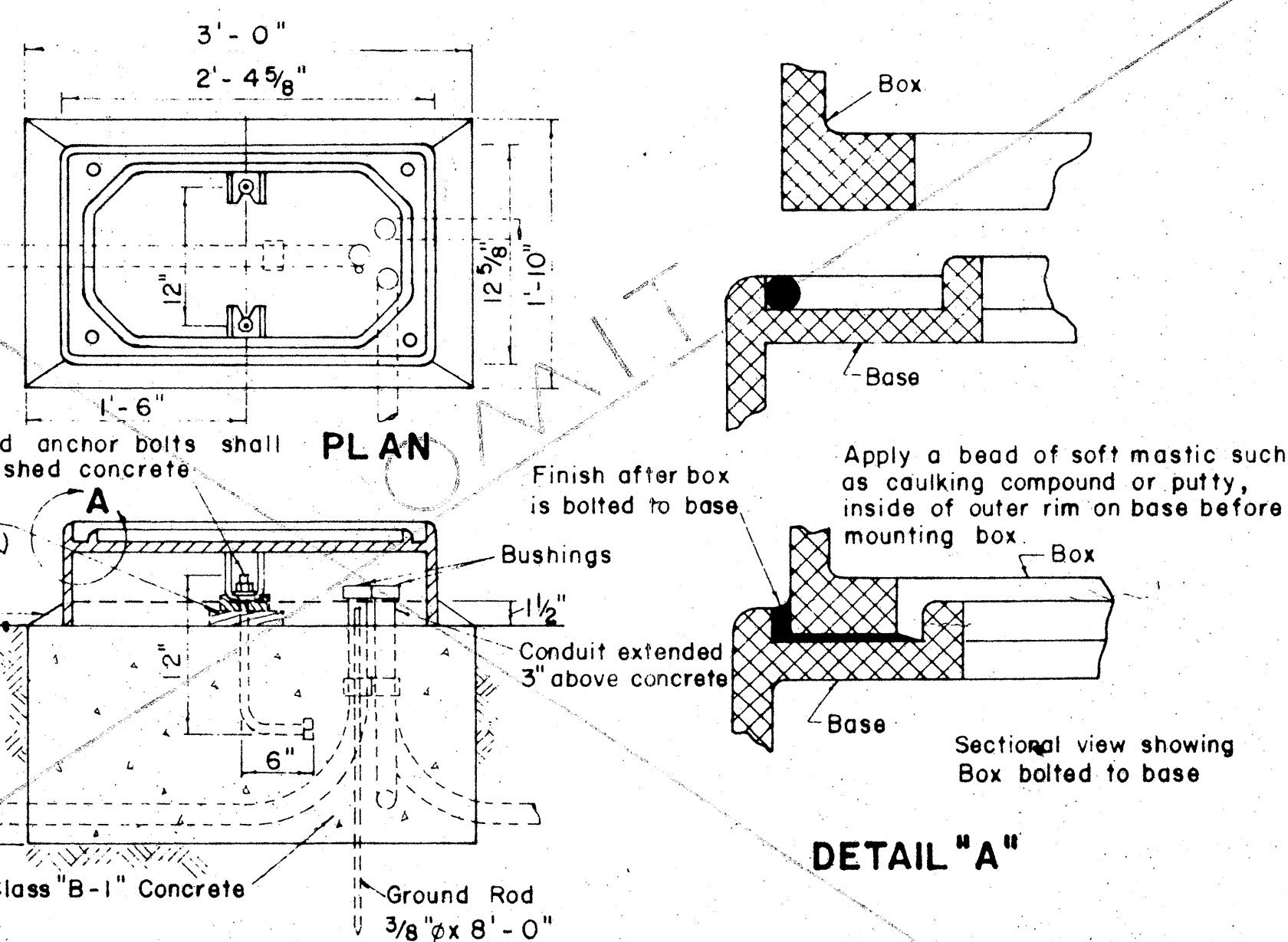


NOTE: (FOR TYPE "A" PULLBOX)

1. 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. 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.



PULL-IN IRON DETAIL "B"
SCALE: 3" = 1' - 0"

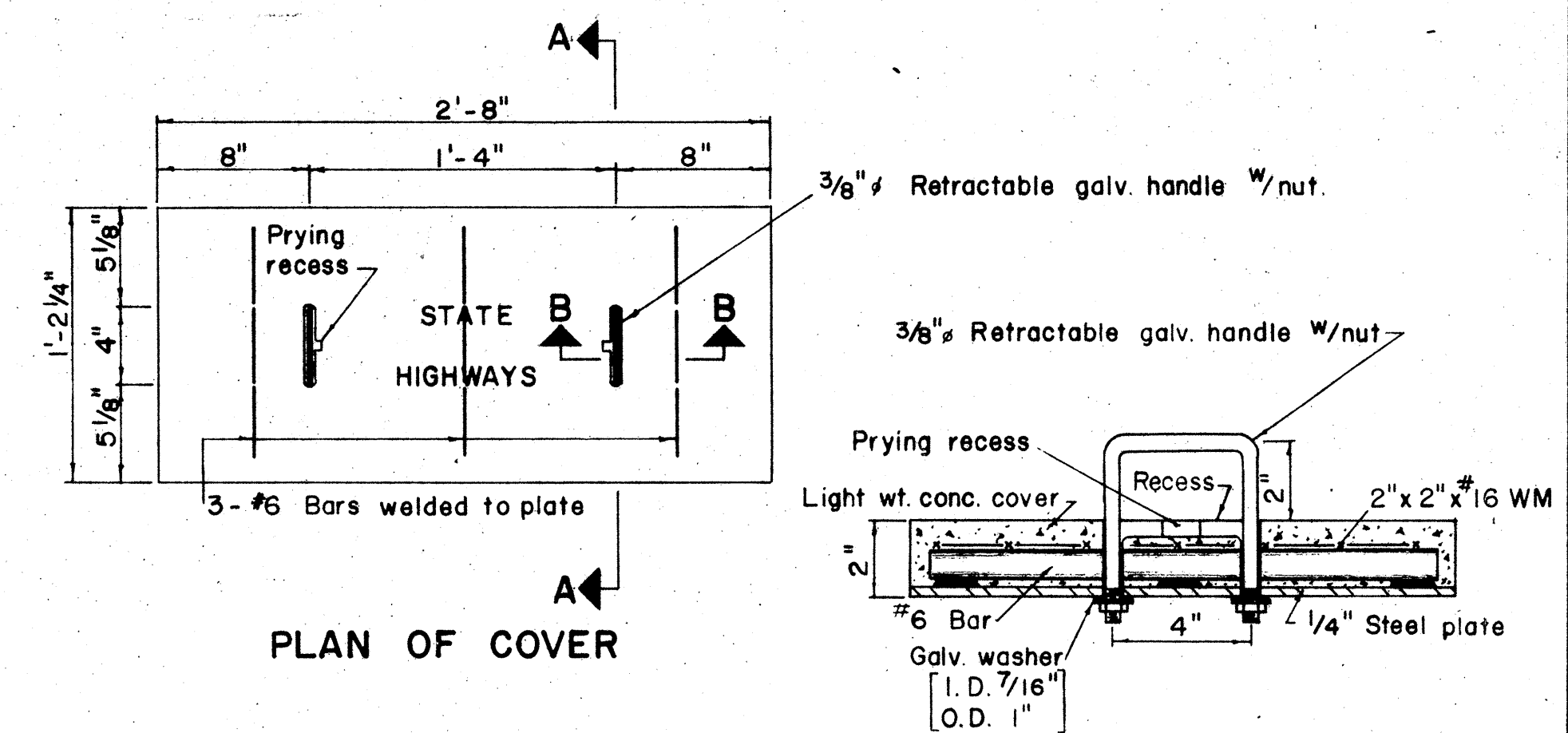
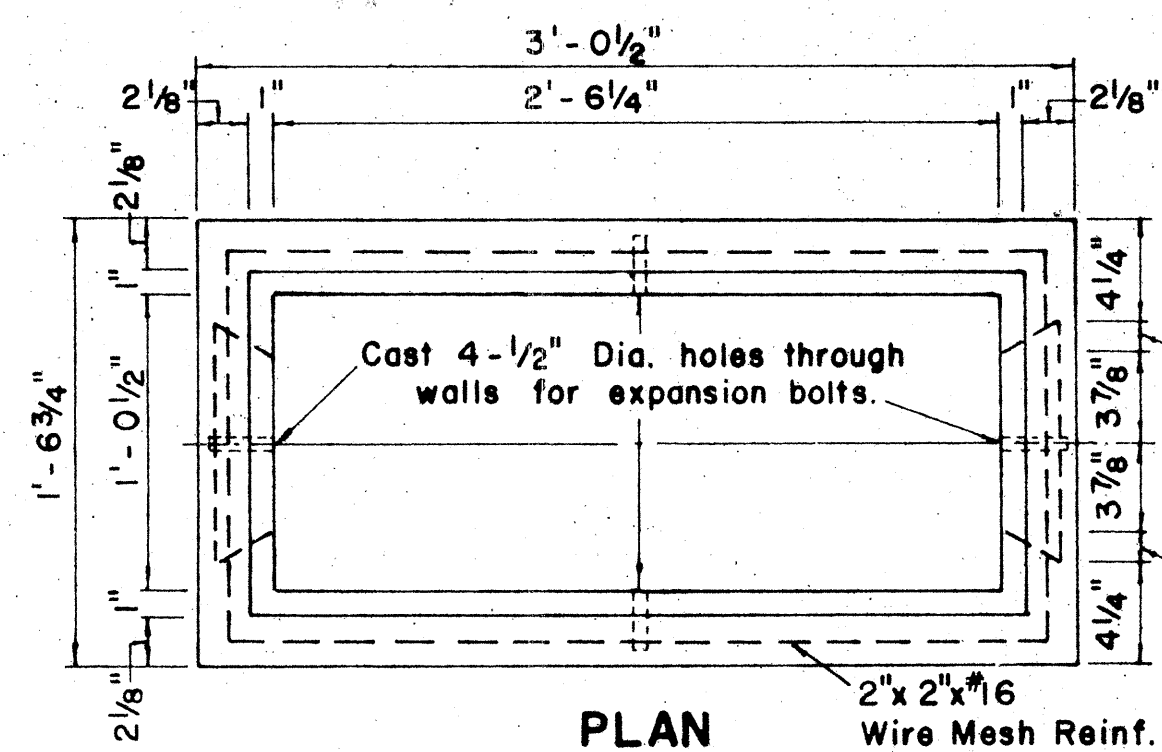


ELEVATION

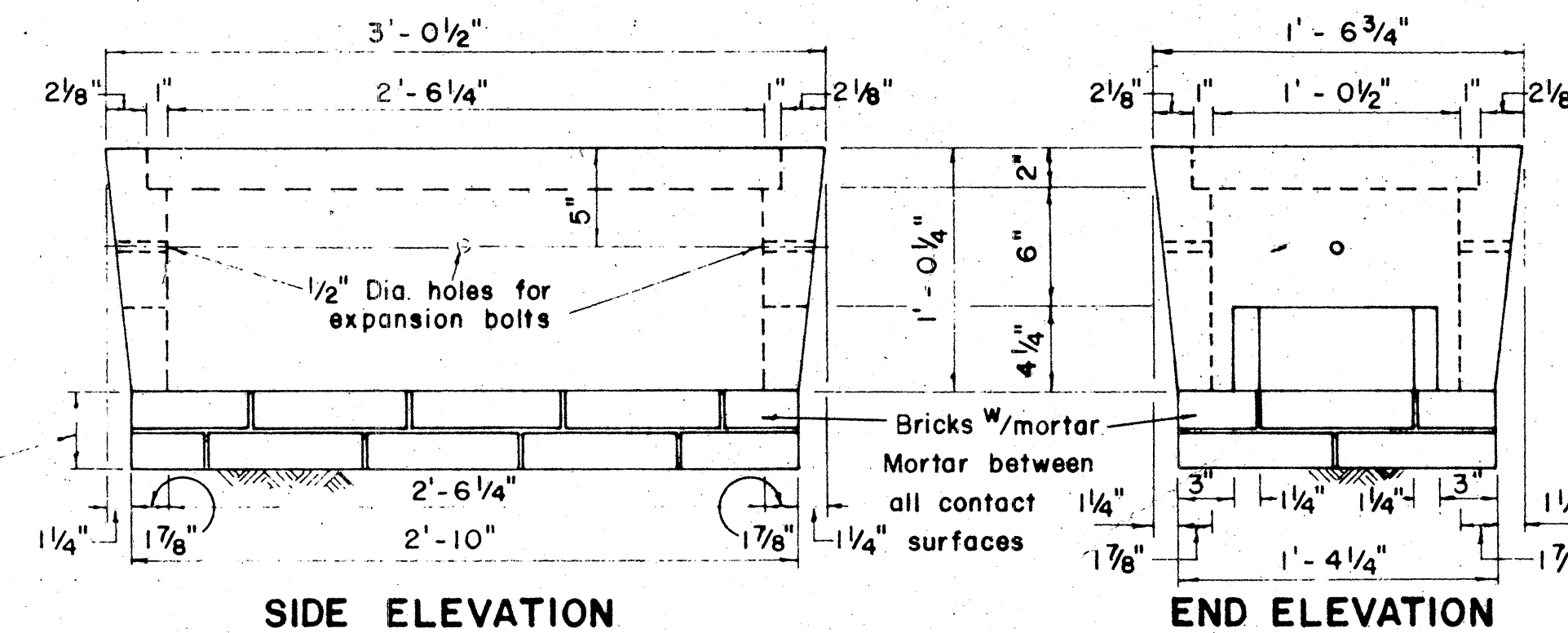
INSTALLATION DETAILS FOR TYPE "M" CONTROLLER BOX

NOTE:

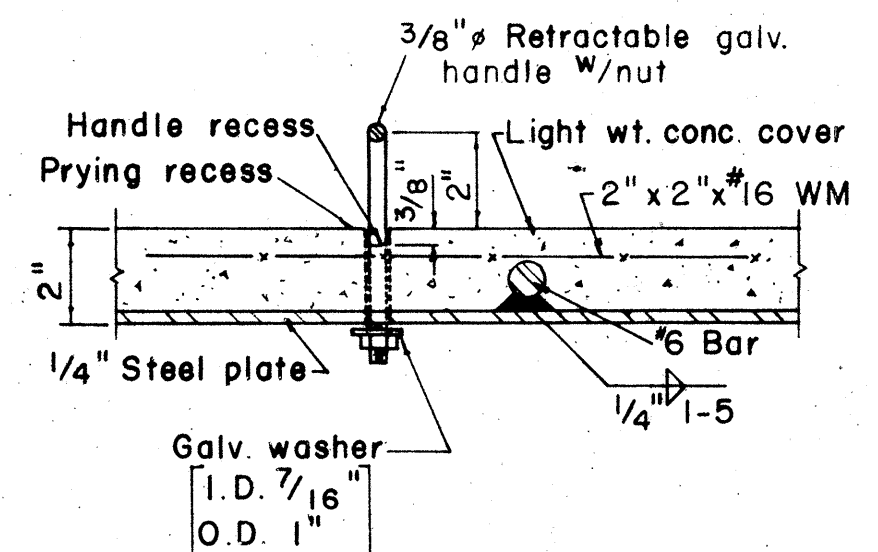
Dimensions and details are approximate only. Exact details and dimensions shall be furnished by the manufacturer and as directed by the Engineer.



SECTION "A-A"
SCALE: 3"=1'-0"



TYPE "C" PULLBOX
SCALE: 1 1/2" = 1'-0"

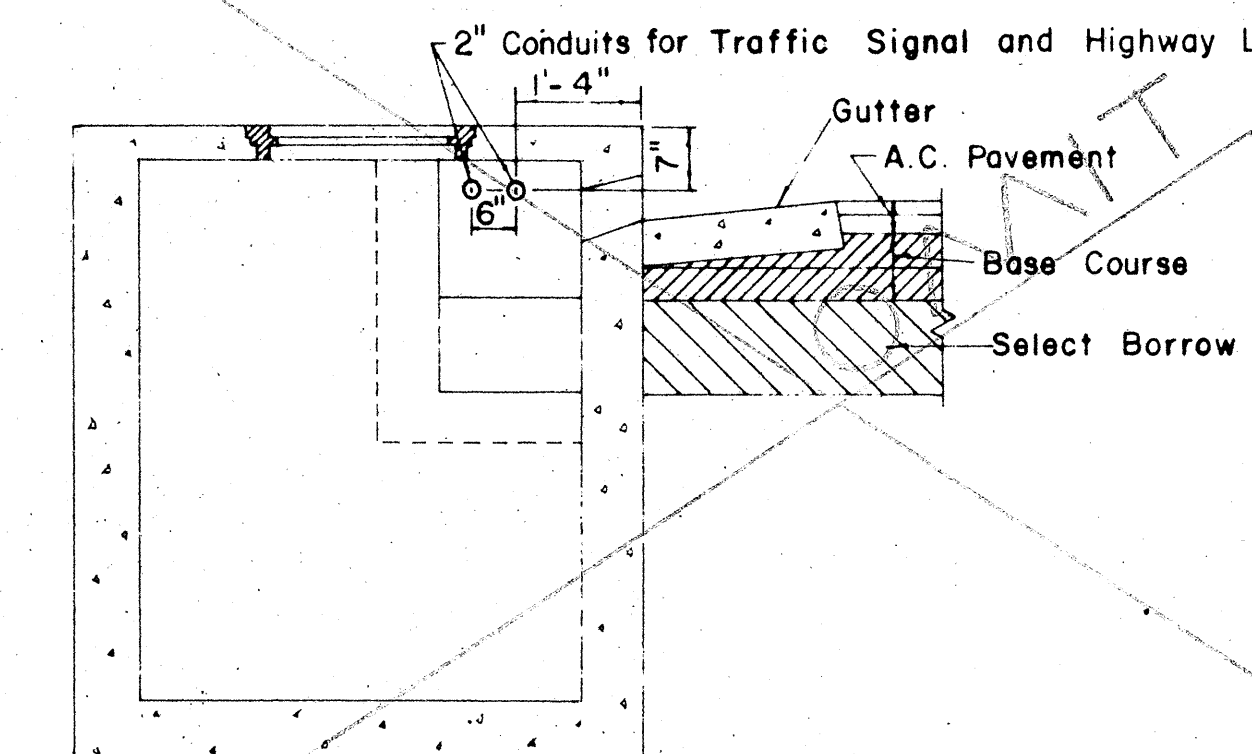


SECTION "B-B"
SCALE: 3"=1'-0"

NOTE :

Galv. 2" conduits shall be supported by Band Hangers bolted to the top slab of Catch Basins.

5 2" Conduits for Traffic Signal and Highway Lighting Systems (as required)



**TYPICAL SECTION SHOWING CONDUITS
PASSING THROUGH CATCH BASINS**
SCALE: $\frac{1}{2}" = 1'-0"$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS
PULLBOXES, TYPE "M" CONTROLLER
BOX & CONDUITS

SCALE AS NOTED

SHEET No. 4 OF 4 SHEETS