

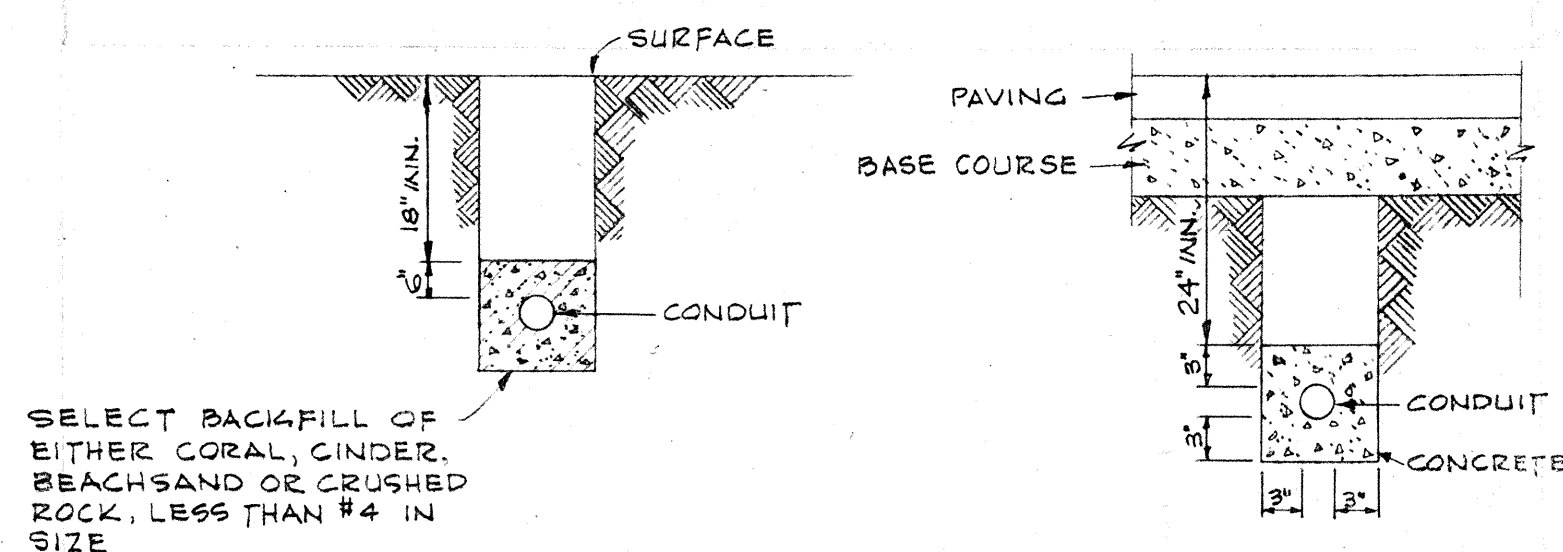
LEGEND

- A = CONTRACT NUMBER. OBTAIN FROM STATE OR H.E.CO. LTD.
 B = LIGHT NUMBER, FROM CONTRACT DRAWINGS, STATE OR H.E.CO. LTD.
 C = LAMP DATA. SEE NOTE #5 & #7 BELOW
 D = REFRACTOR DATA. USE ROMAN NUMERAL "IES" TYPE AS INDICATED ON DRAWING OR IN SPECIFICATIONS I-V.

NOTES:

1. MAKE FROM LAMINATED PLASTIC - BLACK ON WHITE.
2. ATTACH TO ALUMINUM POST WITH #7 ALUMINUM DRIVE SCREWS. ATTACH TO STEEL POST WITH #7 CAD. PLATED DRIVE SCREWS. ATTACH TO WOOD POLES WITH 4-D ALUMINUM NAILS. ATTACH TO RETAINING WALL WITH EXPANSION ANCHOR & BRASS SCREWS.
3. ATTACH 6'-0" ABOVE CURB. IF NO CURB 6'-0" ABOVE FINISHED GRADE.
4. LETTERS IN 5 REDUCTION 1/8" ENGRAVED OR STENCILED.
5. ATTACH TO ALL POLES WITH STATE MULTIPLE SYSTEM LUMINAIRE'S LAMP DATA CODE H250 (250WATT) OR H400 (400WATT). IF POST IS DOUBLE BRACKET, TWO TAGS, ONE ON EACH SIDE OF THE POLE WITH THE INFORMATION FOR THE LUMINAIRE ON THE RESPECTIVE SIDE SHALL BE INSTALLED.
6. FOR NOMENCLATURE OF TAGS AT ILLUMINATED SIGNS AND PANELBOARD SERVICE POINTS, SEE H.E.CO.

MULTIPLE STREET LIGHTING IDENTIFICATION TAG



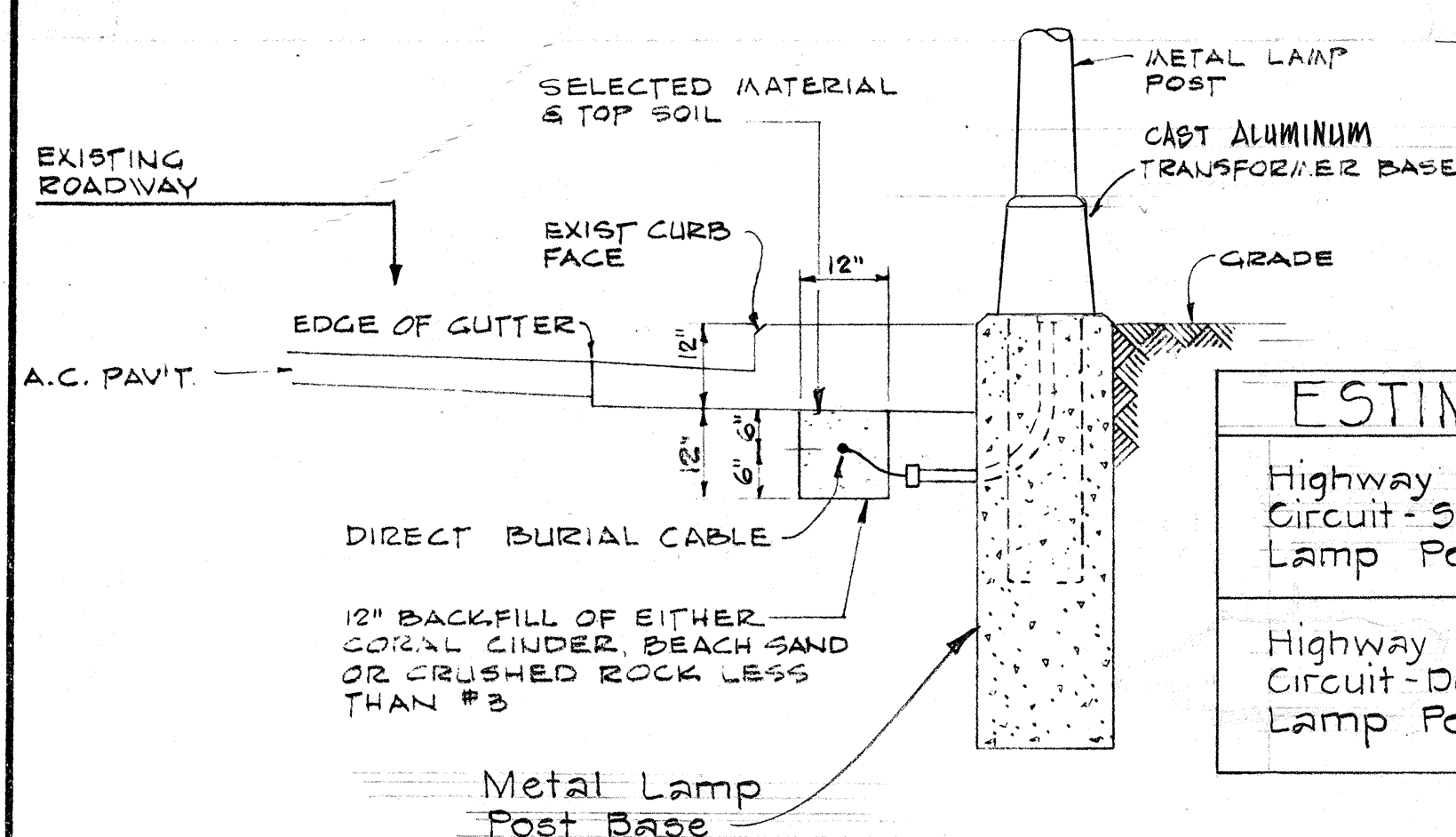
DIRECT BURIED CONDUIT

CONCRETE ENCASED CONDUIT

NOTE: CONDUITS UNDER ROADWAY SHALL BE ENCASED IN CONCRETE.

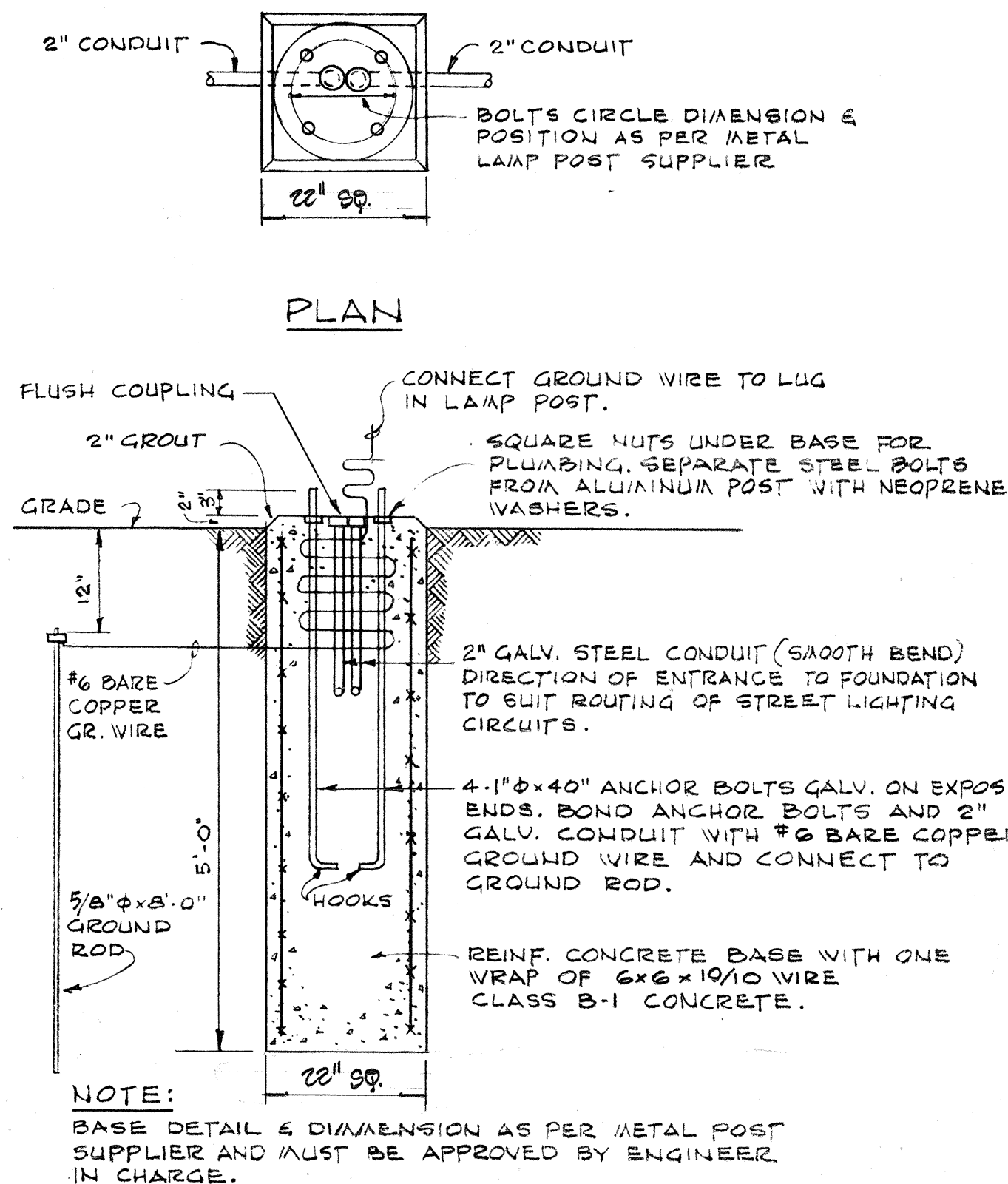
TYPICAL DUCT SECTIONS

NO SCALE



DIRECT BURIAL CABLE DETAIL

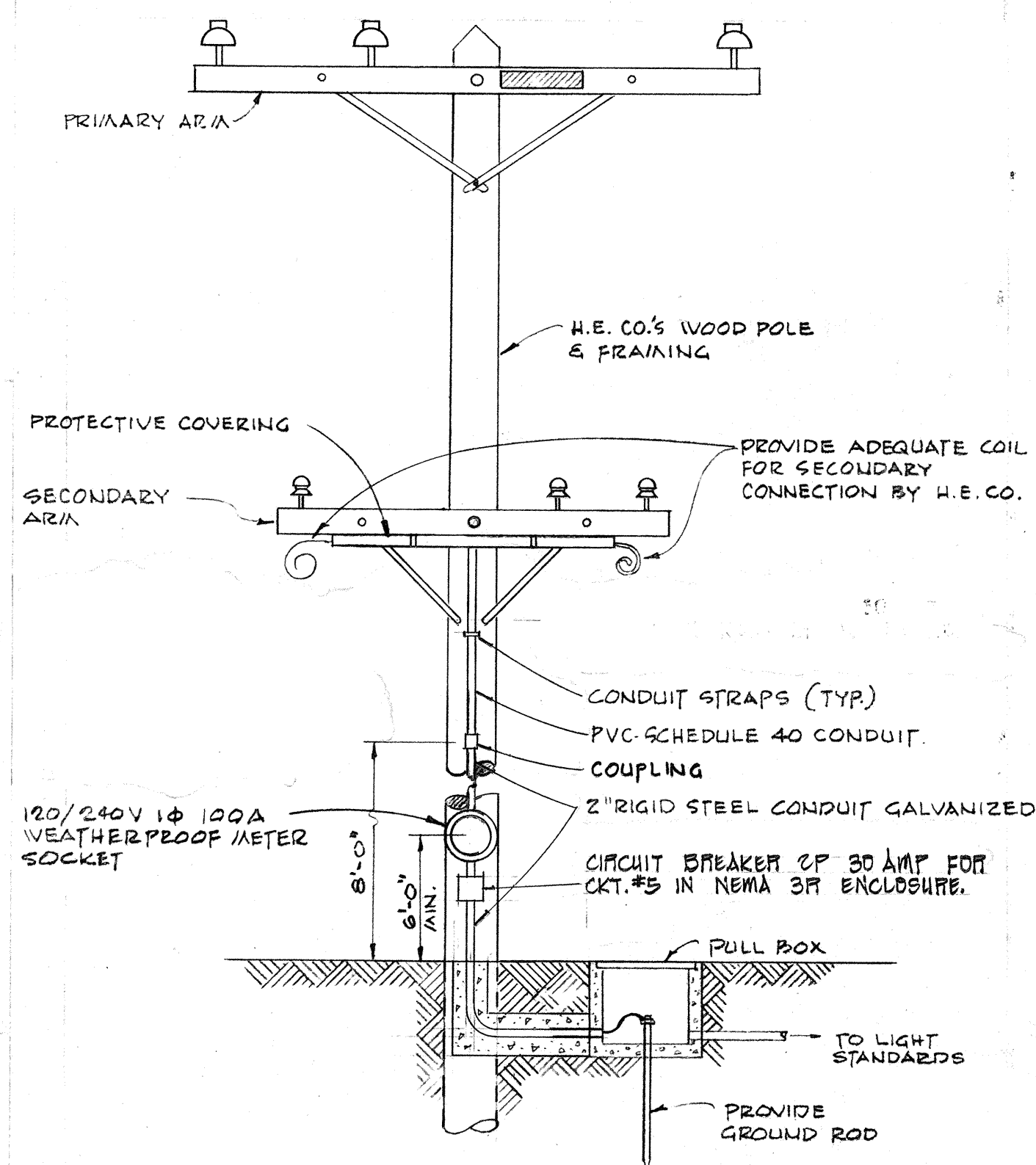
SCALE: 1/2" = 1'-0"



SECTION

TYPICAL LAMP POST BASE

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

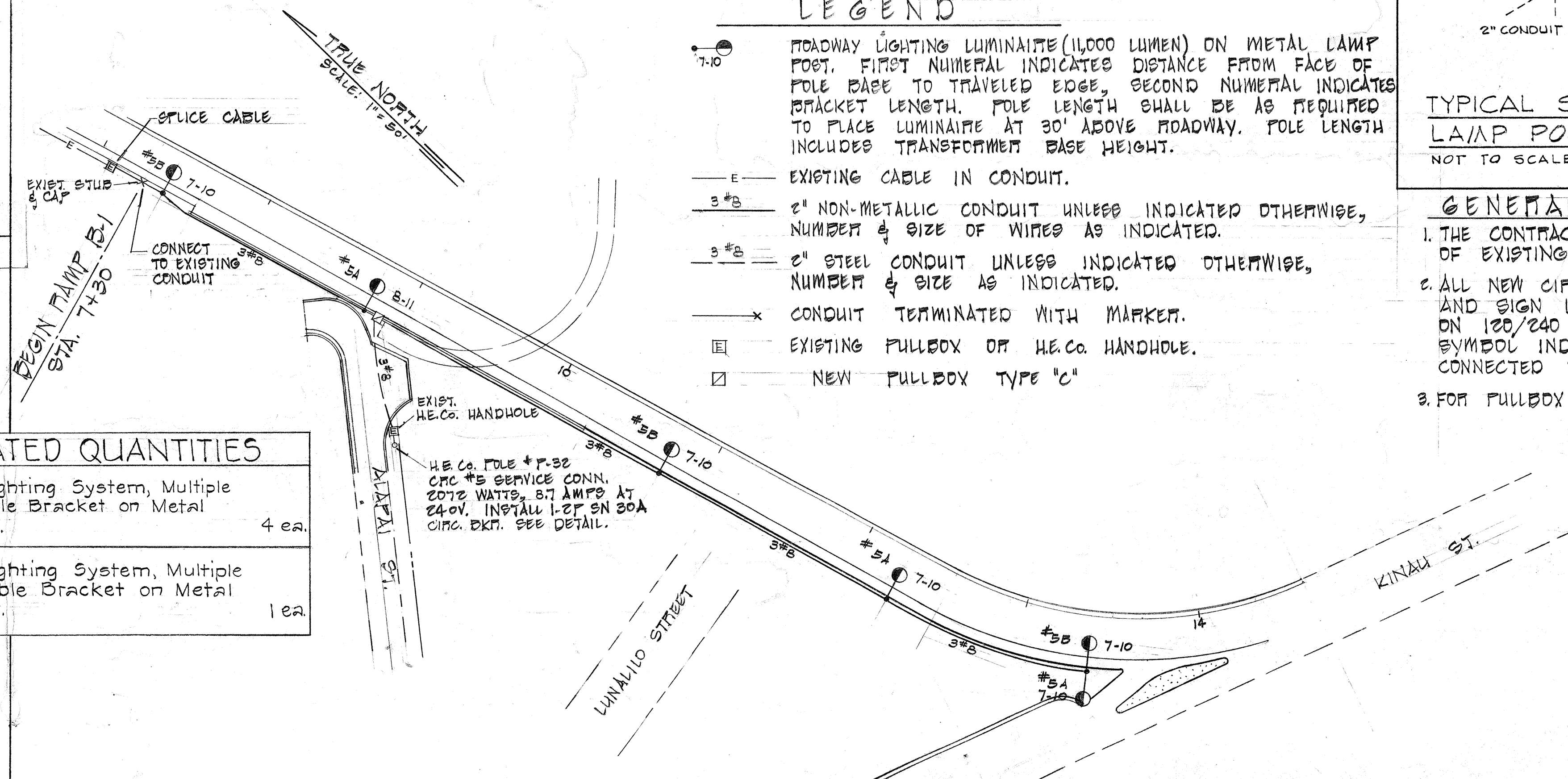


TYPICAL SERVICE CONNECTION

NO SCALE
FOR MULTIPLE CIRCUIT #3

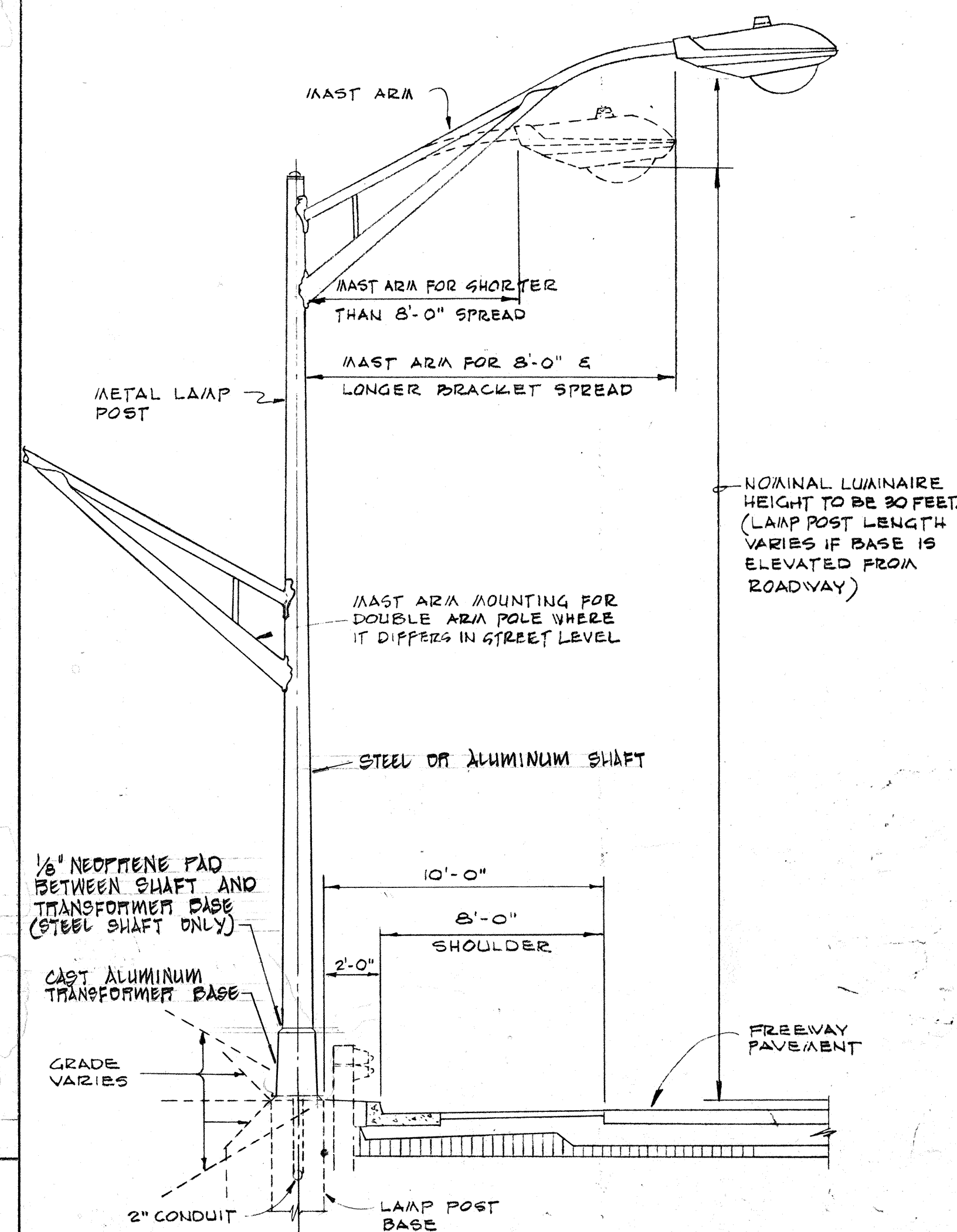
LEGEND

- 7-10 ROADWAY LIGHTING LUMINAIRE (11,000 LUMEN) ON METAL LAMP POST. FIRST NUMERAL INDICATES DISTANCE FROM FACE OF POLE BASE TO TRAVELED EDGE, SECOND NUMERAL INDICATES BRACKET LENGTH. POLE LENGTH SHALL BE AS REQUIRED TO PLACE LUMINAIRE AT 30' ABOVE ROADWAY. POLE LENGTH INCLUDES TRANSFORMER BASE HEIGHT.
- E — EXISTING CABLE IN CONDUIT.
- 3 #8 2" NON-METALLIC CONDUIT UNLESS INDICATED OTHERWISE, NUMBER & SIZE OF WIRES AS INDICATED.
- 3 #8 2" STEEL CONDUIT UNLESS INDICATED OTHERWISE, NUMBER & SIZE AS INDICATED.
- X — CONDUIT TERMINATED WITH MARKER.
- EXISTING PULLBOX OF H.E.CO. HANDHOLE.
- NEW PULLBOX TYPE "C"



Revised: 12-6-68
7-30-69

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(31):21, UNIT 3	1968	38	47



TYPICAL STREET LIGHTING METAL LAMP POST

NOT TO SCALE

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND LOCATIONS OF EXISTING EQUIPMENT AND FACILITIES.
2. ALL NEW CIRCUITS ARE MULTIPLE CIRCUITS. LUMINAIRES AND SIGN LIGHTING SHALL BE EQUIPPED TO OPERATE ON 120/240 VOLTS 1Ø, 3 WIRE SERVICE. LETTER ON EACH SYMBOL INDICATES THE CIRCUIT NUMBER & WHETHER CONNECTED TO LEG 'A' OR LEG 'B'.
3. FOR PULLBOX DETAILS SEE SHT. NO. 39

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING SYSTEM

INTERSTATE ROUTE H-1
(LUNALILO FREEWAY)
Pele St. to Victoria St.
F.A.I. Proj. No. I-H-1-(31):21, Unit 3

SCALE: AS SHOWN

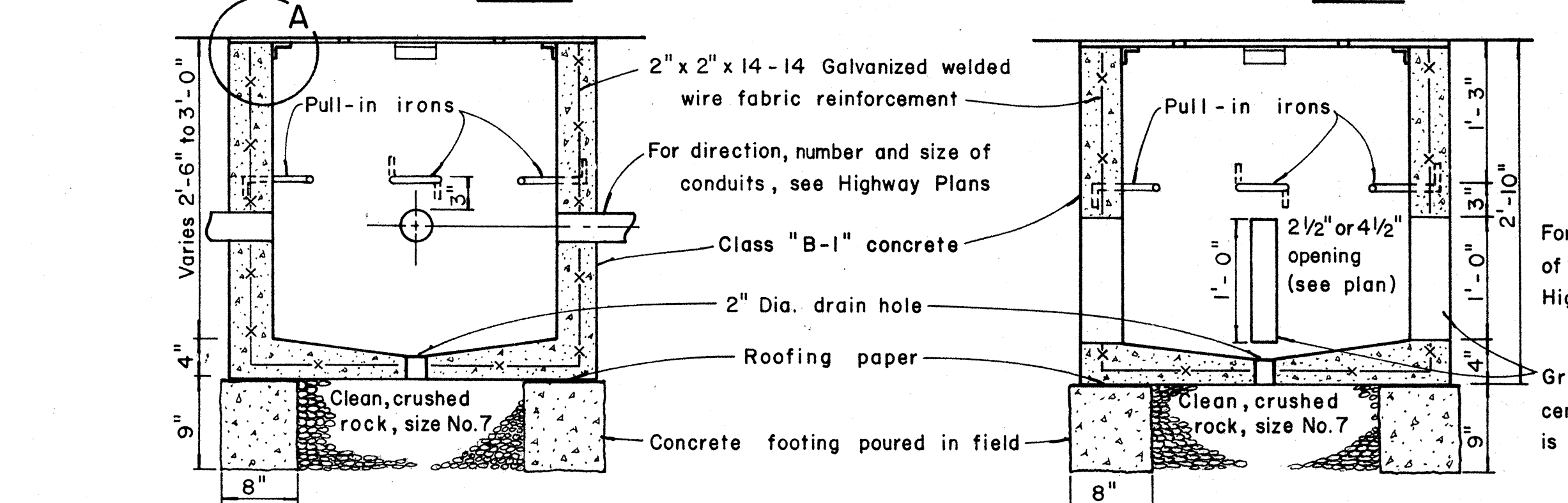
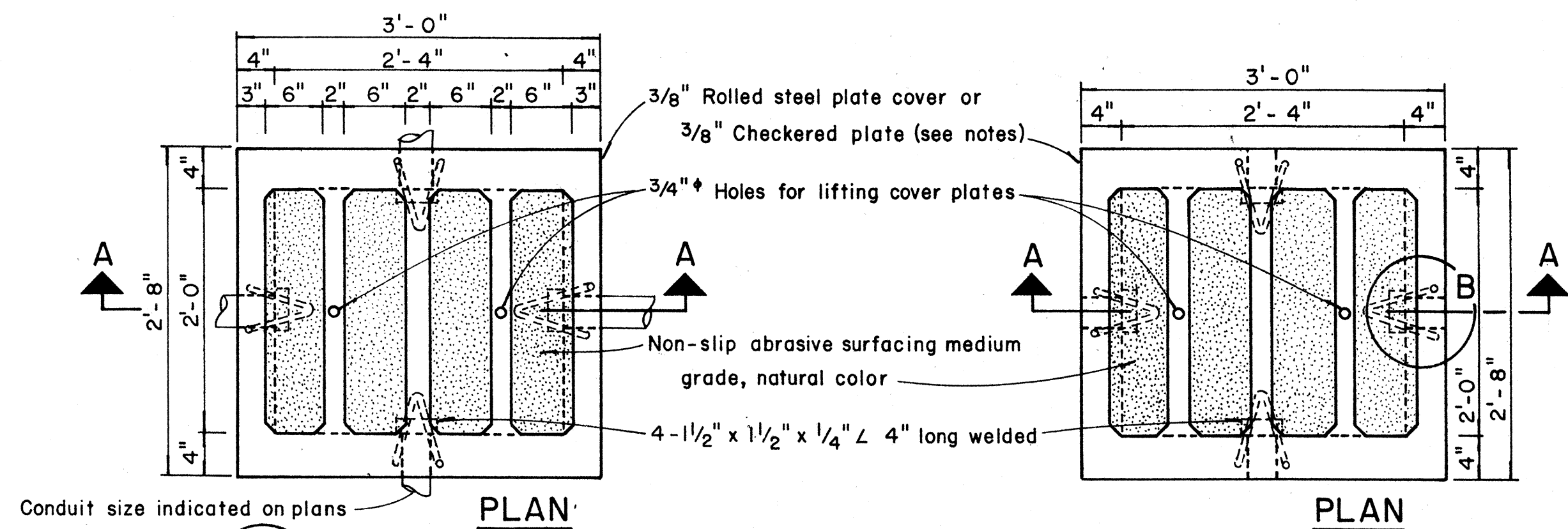
DATE: AUG. 1968

SHEET No. 1 OF 2 SHEETS

38

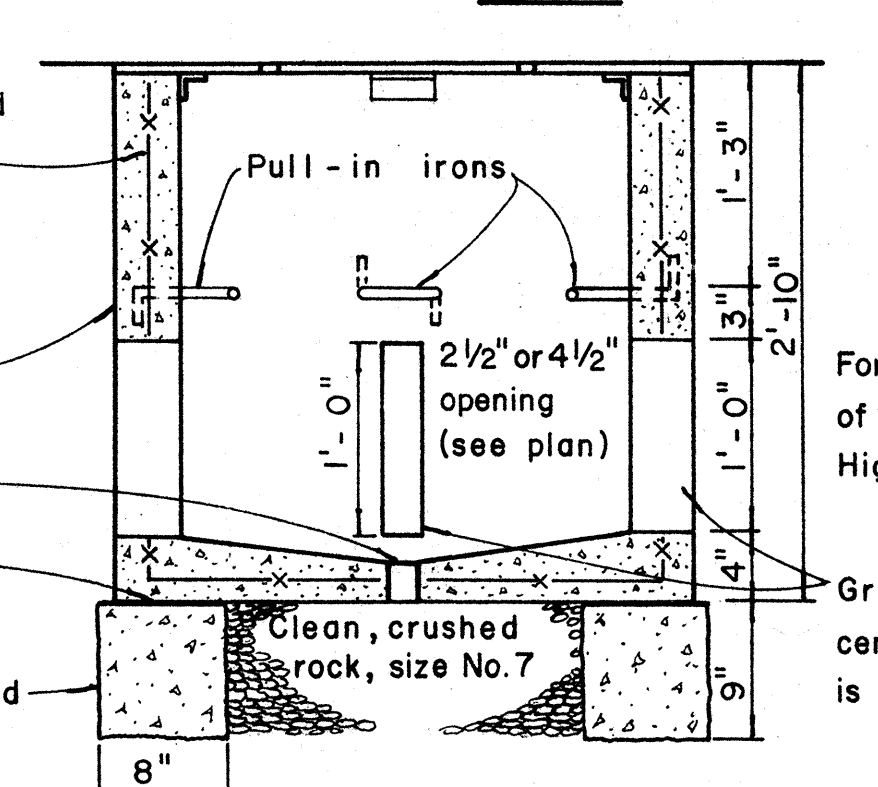
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-109	1968	39	47
21,000					

Revised: 12-6-68



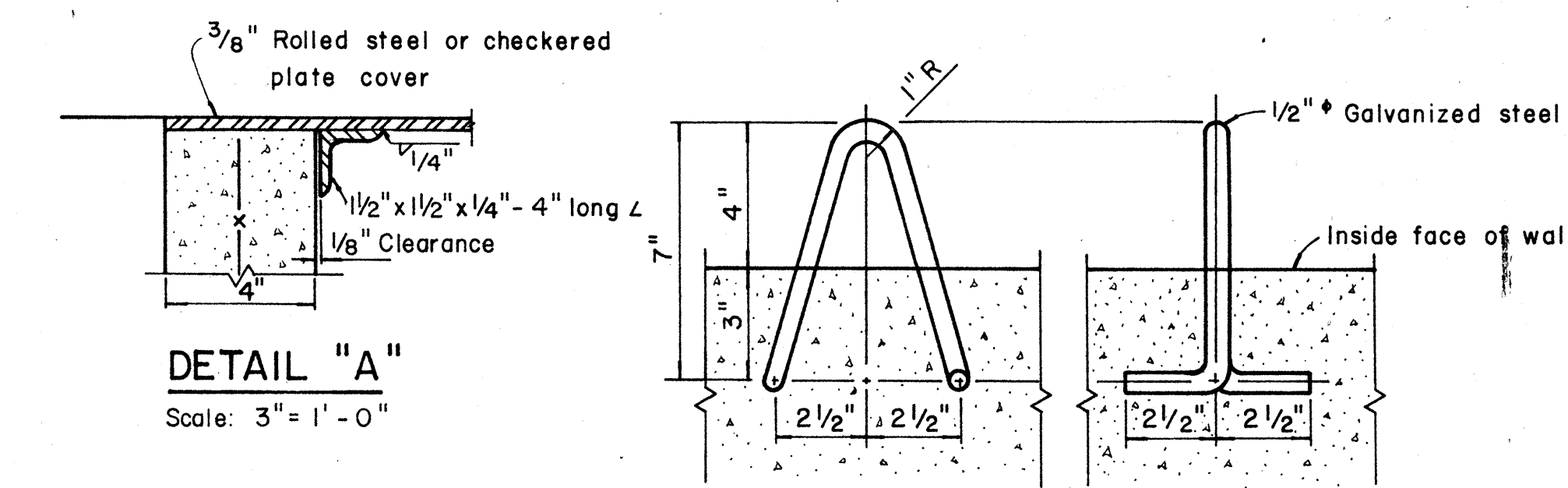
TYPE "A" PULLBOX CAST-IN-PLACE

Scale: 1" = 1'-0"



TYPE "A" PULLBOX PRECAST

Scale: 1" = 1'-0"



DETAIL "A"

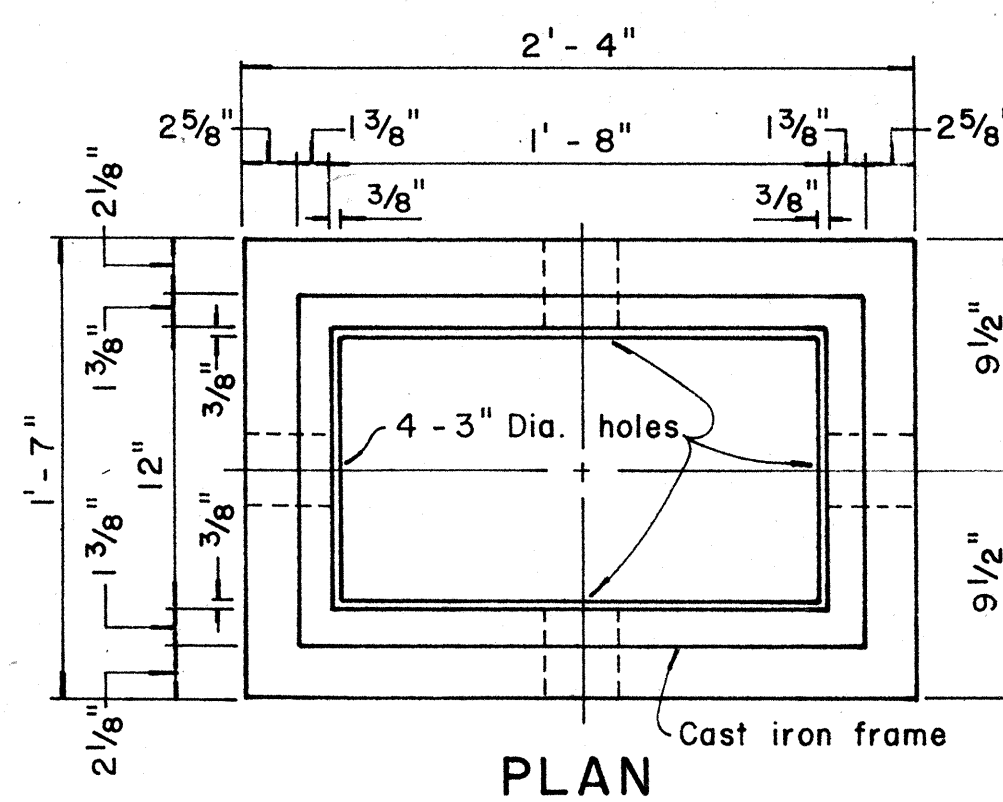
Scale: 3" = 1'-0"

PULL-IN IRON DETAIL "B"

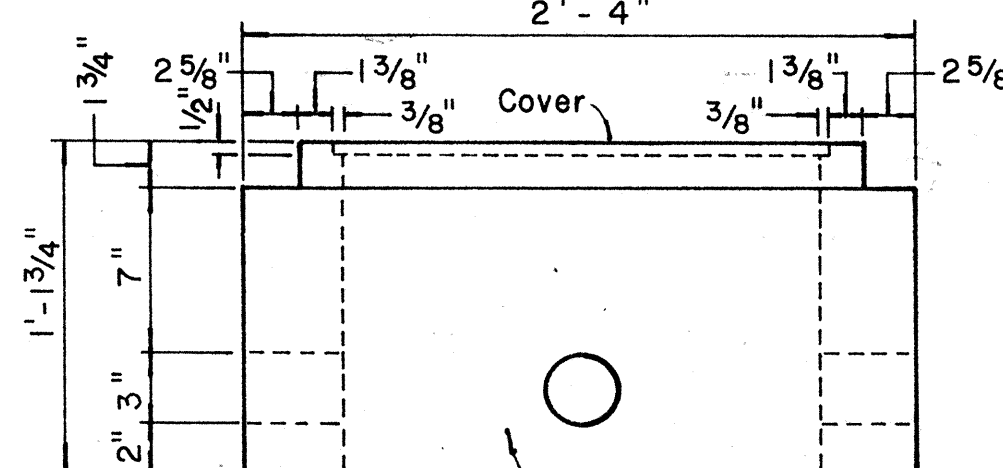
Scale: 3" = 1'-0"

NOTES: (FOR TYPE "A" PULLBOX)

- 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.
- 3/8" Checkered plate cover shall be used on all pullboxes located in median areas and other locations where there are no pedestrians walking.
- Pull irons shall be placed opposite each conduit slot.
- Covers on all pullboxes located in sidewalk areas shall be set flush with the concrete sidewalk.
- Each pullbox shall have a pair of pull irons opposite each other for lifting purposes.

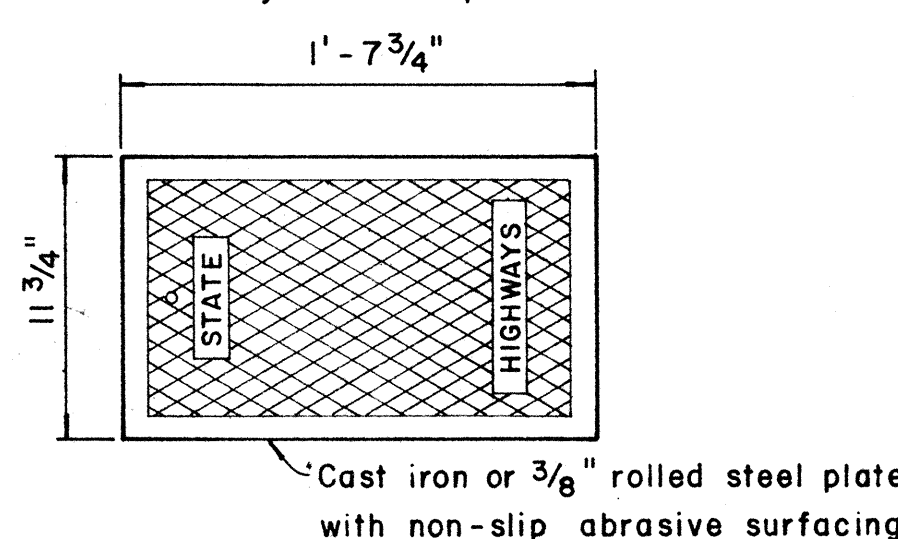


PLAN

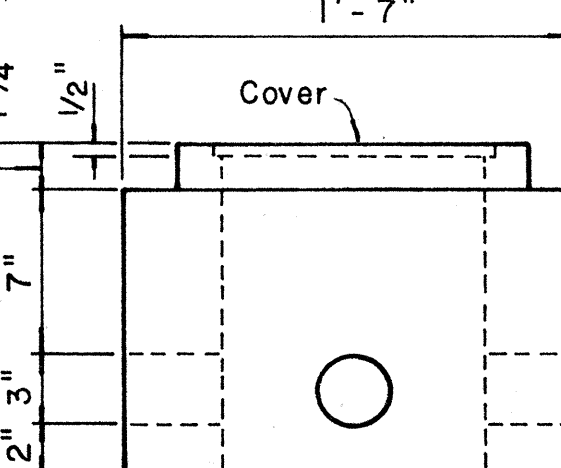


SIDE ELEVATION

NOTE:
Steel rim shall be welded to bottom of steel cover if necessary so that top of cover and frame are flush.



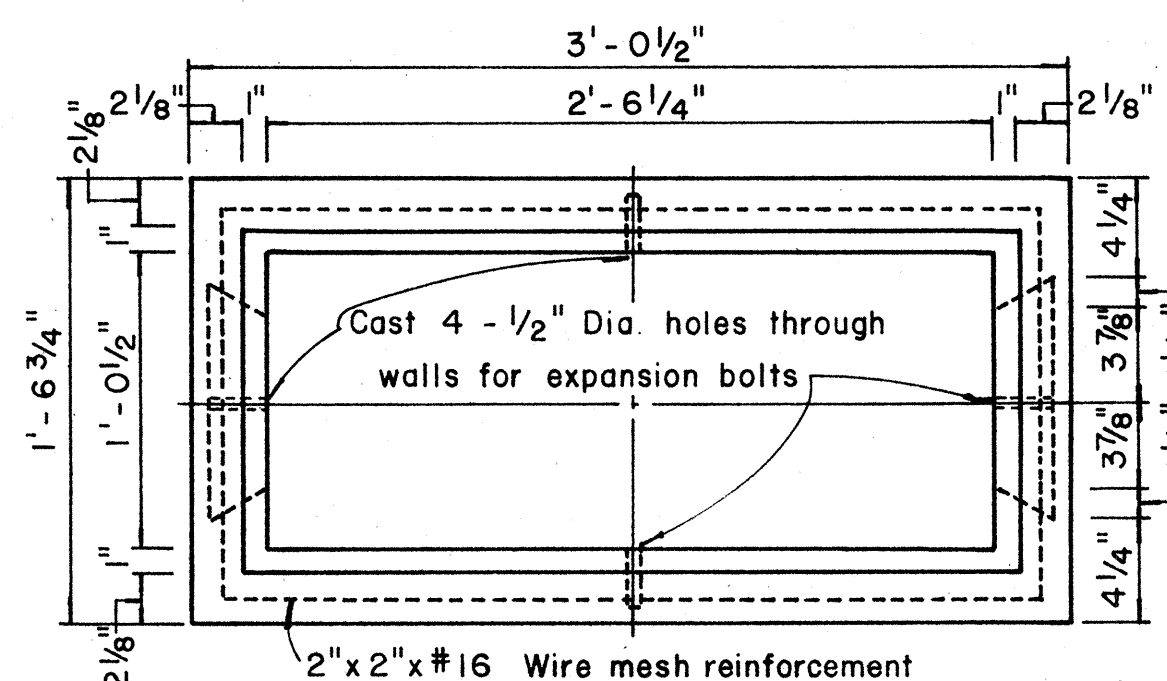
PLAN OF COVER



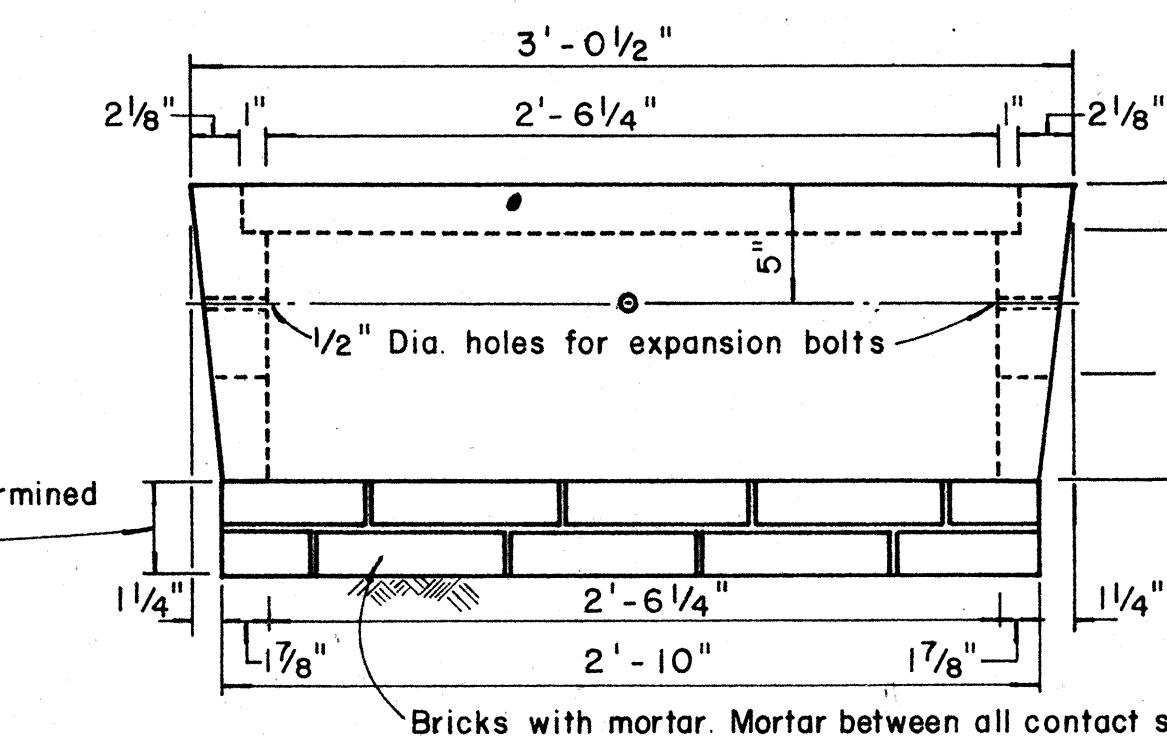
END ELEVATION

TYPE "B" PULLBOX

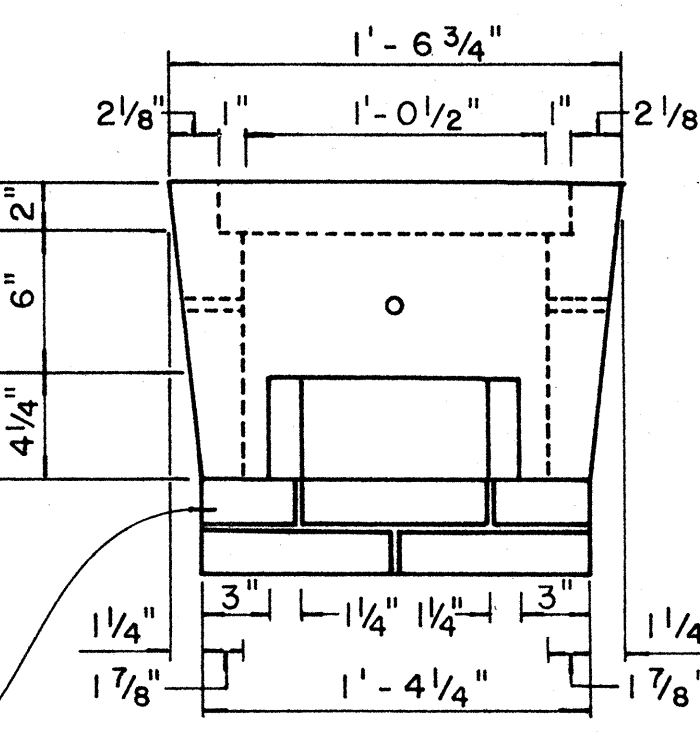
Scale: 1 1/2" = 1'-0"



PLAN



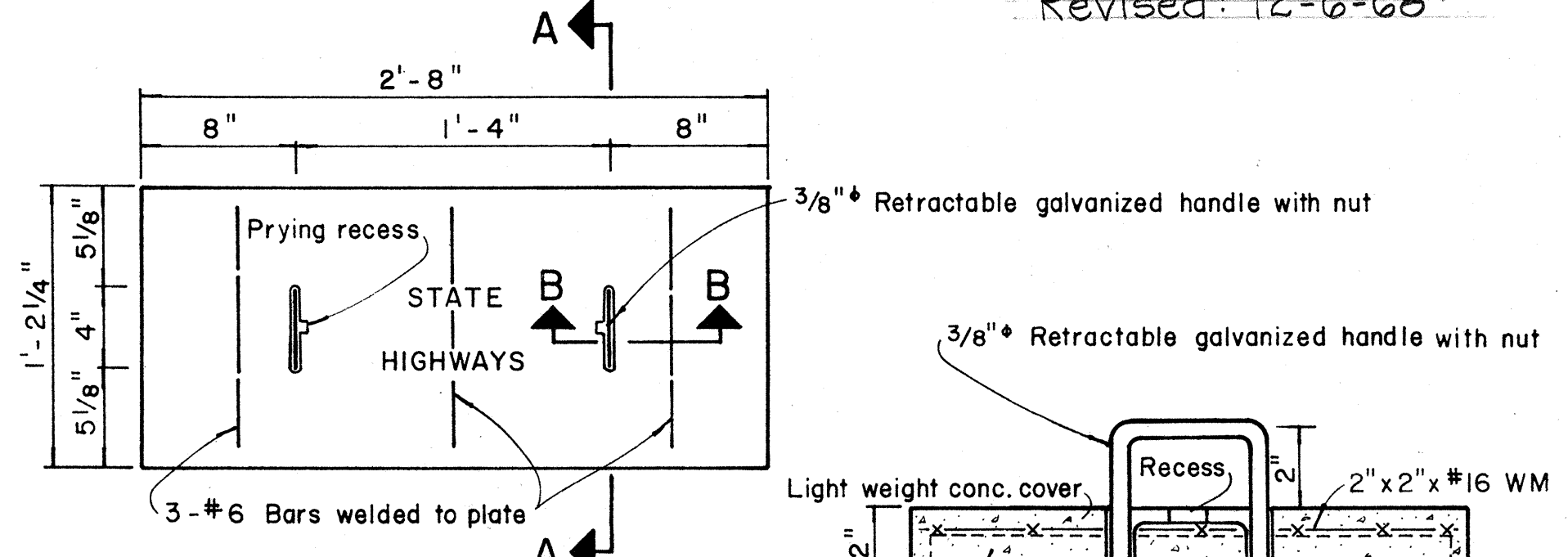
SIDE ELEVATION



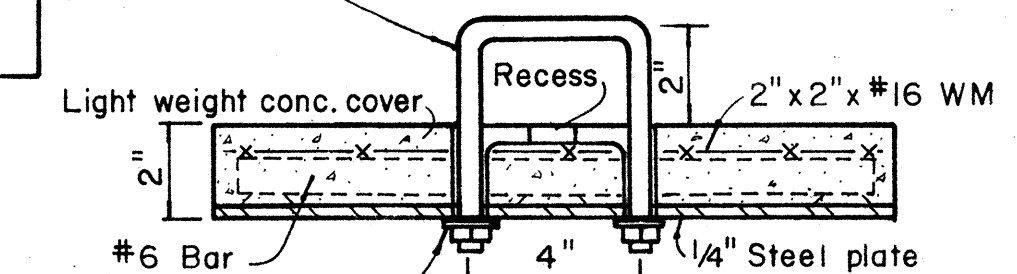
END ELEVATION

TYPE "C" PULLBOX

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

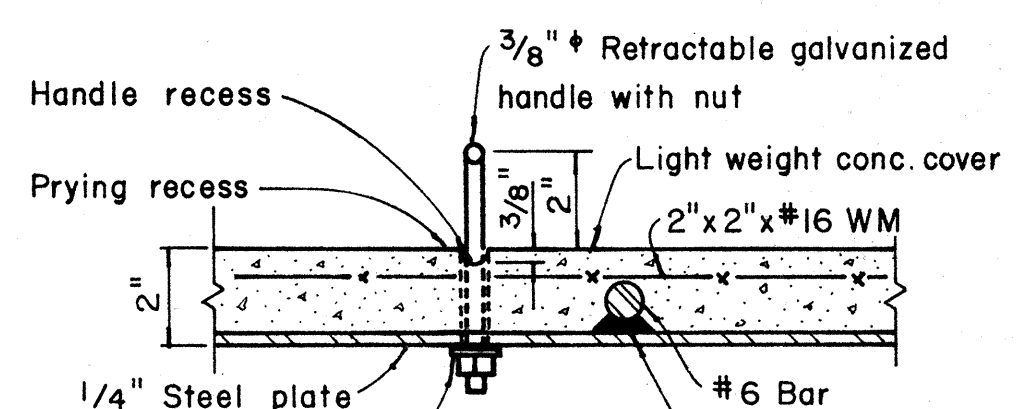


PLAN OF COVER



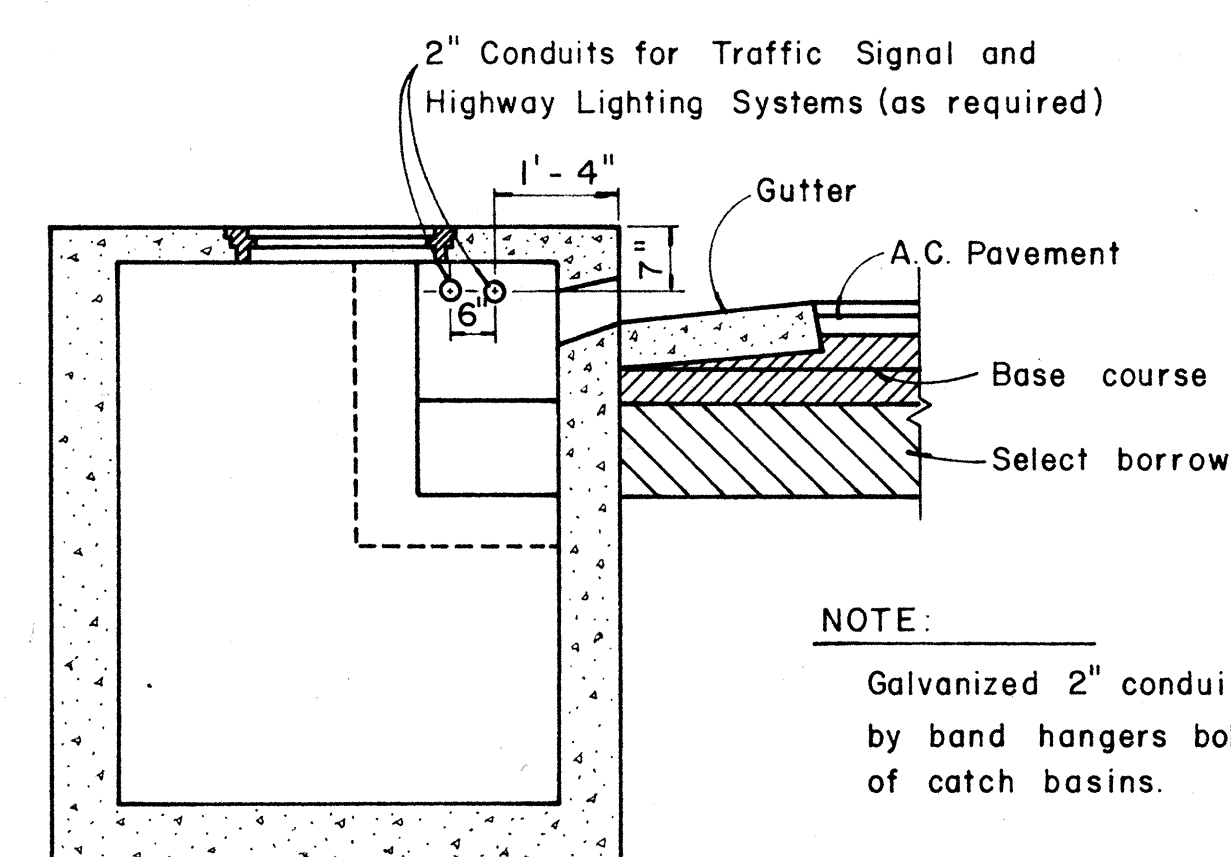
SECTION "A-A"

Scale: 3" = 1'-0"



SECTION "B-B"

Scale: 3" = 1'-0"



TYPICAL SECTION SHOWING CONDUITS
PASSING THROUGH CATCH BASINS

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STANDARD DETAILS
PULLBOXES

Scale as noted

Date: AUG. 1968

SHEET No. 2 OF 2 SHEETS

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