

SYMBOL **DESCRIPTION**

●-○
S-6-30 NEW METAL LAMP POST AND LUMINAIRE.

5 = INDICATES LAMPPOST FOUNDATION AT BRIDGE STRUCTURE RAILING.
G = INDICATES G' BRACKET MAST ARM SPREAD.
30 = INDICATES 30' HEIGHT, NOMINAL HEIGHT AS SHOWN ON PLAN.

W-G-30 W = INDICATES LAMPPOST FOUNDATION ON WALL.
F-10-30 F = INDICATES LAMPPOST FOUNDATION IMMEDIATELY IN FRONT OF FENCE.

○ 10,500 LUMEN LUMINAIRE WITH PHOTO CELL - TYPE M-S-III DISTRIBUTION 452 WATTS.

● 10,500 LUMEN LUMINAIRE WITH PHOTO CELL - TYPE M-S-II DISTRIBUTION 294 WATTS.

→
4.5KW H.E.CO. SERVICE POINT.
120/240 LOAD AND VOLTAGE AS NOTED.
STATE IS CUSTOMER, EXCEPT WHERE DESIGNATED C&C.

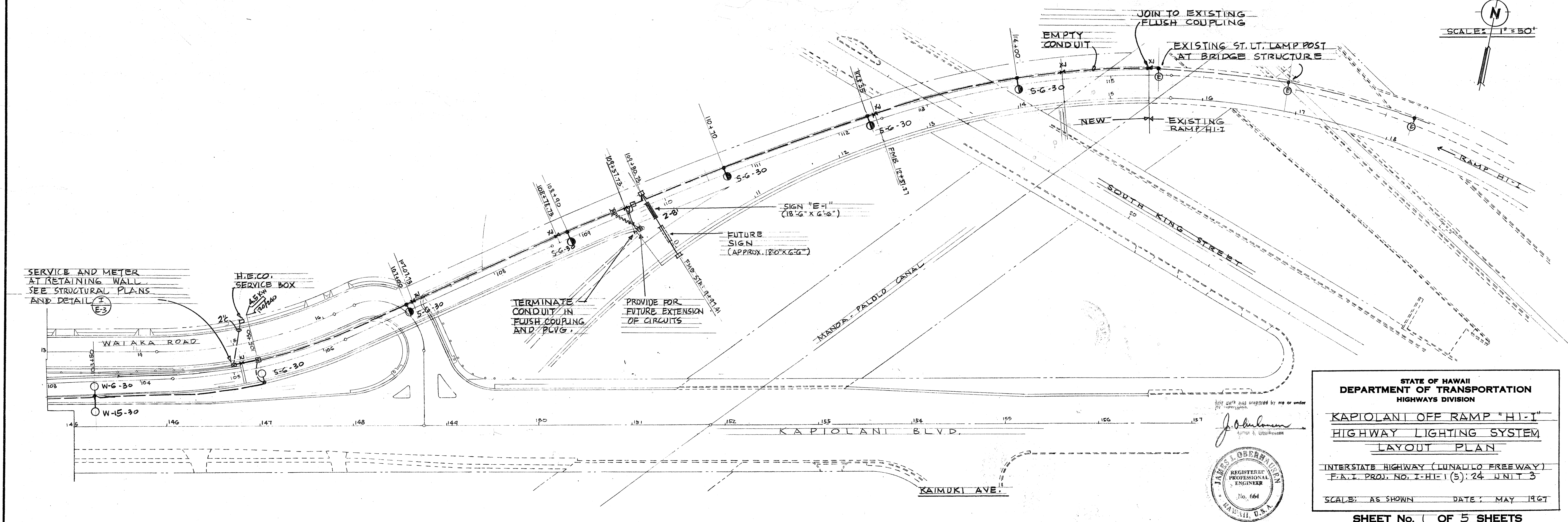
— — — RIGID STEEL GALVANIZED CONDUIT, UNDERGROUND OR BURIED IN STRUCTURE WITH - 2 COATS OF BITUMASTIC PAINT. CONCRETE JACKETED UNDER ROADWAYS

XJ "EXPANSION JOINT"
✂ EXPANSION JOINT COUPLING FOR RIGID STEEL GALV. CONDUIT IN BRIDGE STRUCTURE AT "EXPANSION JOINT."

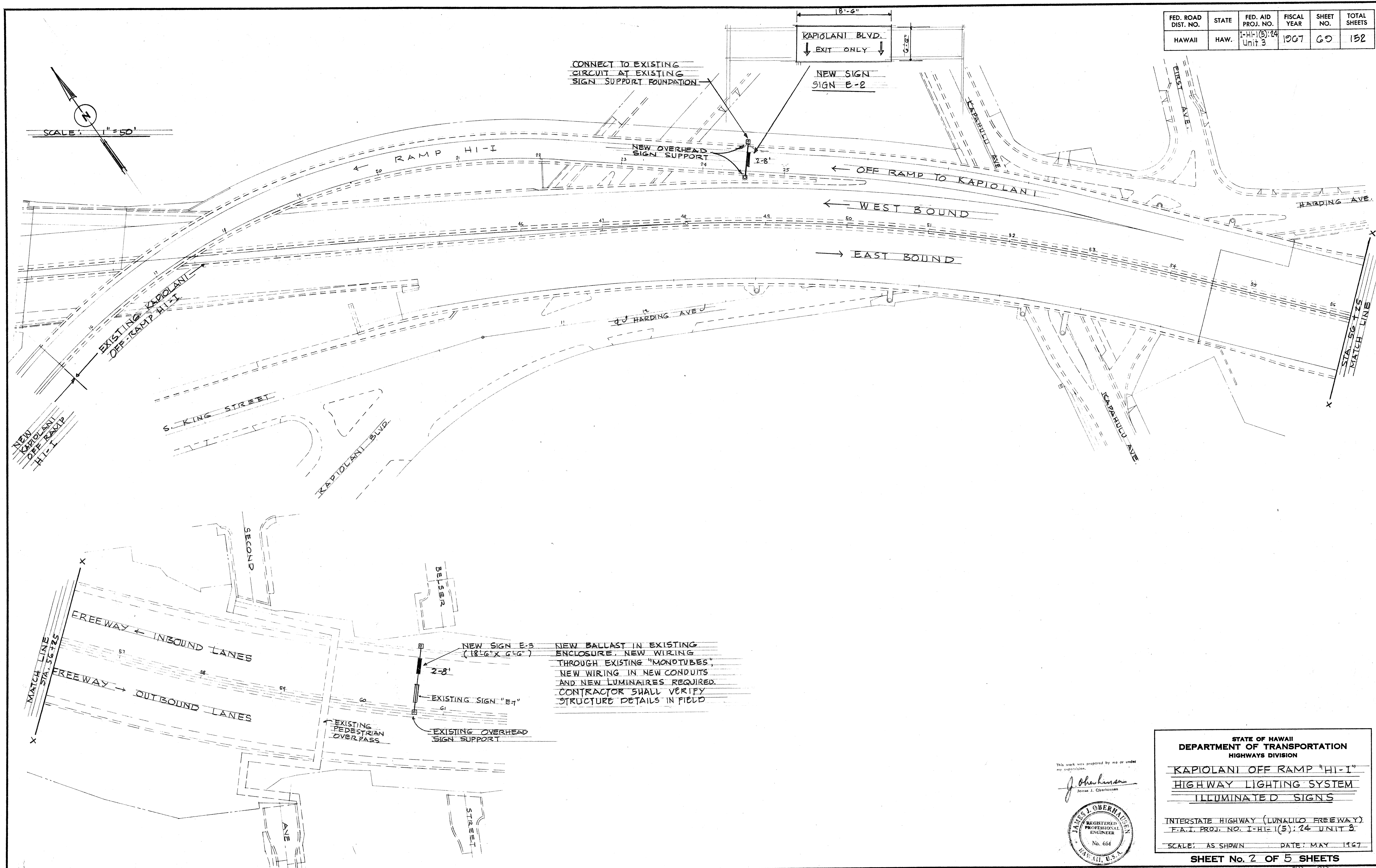
□ SIDEWALK JUNCTION BOX AT BRIDGE STRUCTURE, SIZE, LOCATION OF HUBS AS REQUIRED BY CIRCUIT ROUTING. SEE DETAIL (E3) & (E3)

□-□ SIGN PEDESTAL
ILLUMINATED ROAD SIGN
2-8' 2-8' SIGN LUMINAIRES.

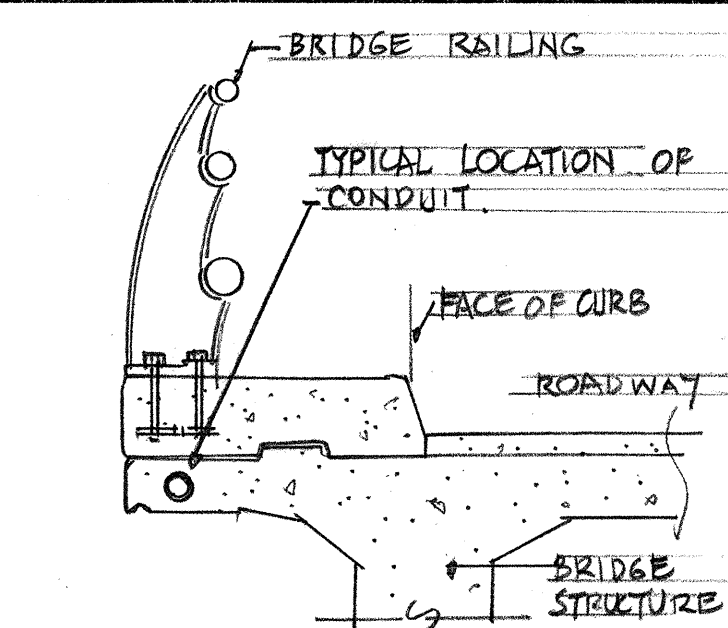
HAWAII	HAW.	I-H-1(5) 24	1067	68
		Unit 3		



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(5):24 Unit 3	1967	65	152

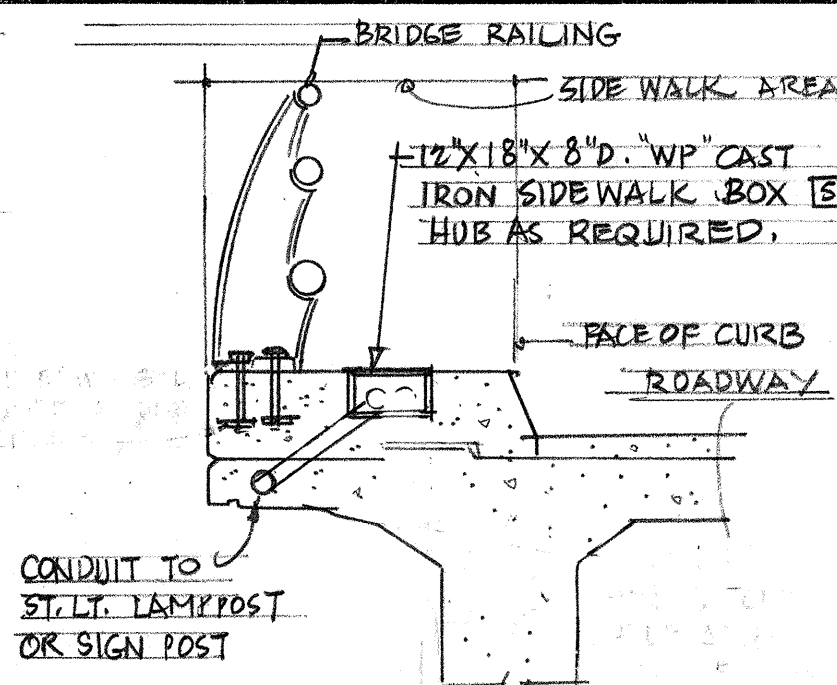


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1(5)24 UNIT 3	1967	10	152



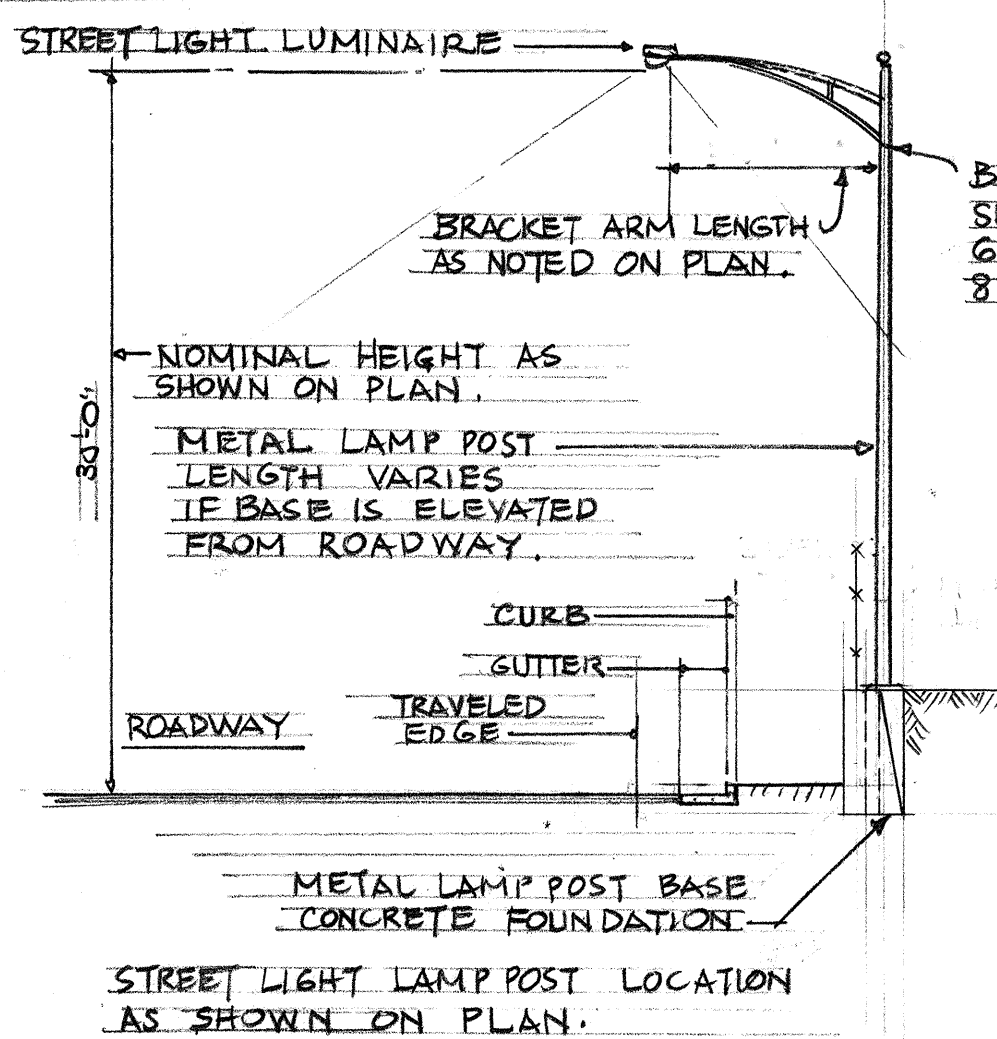
TYPICAL LOCATION OF CONDUIT IN STRUCTURE
NOT TO SCALE.

F
E-3



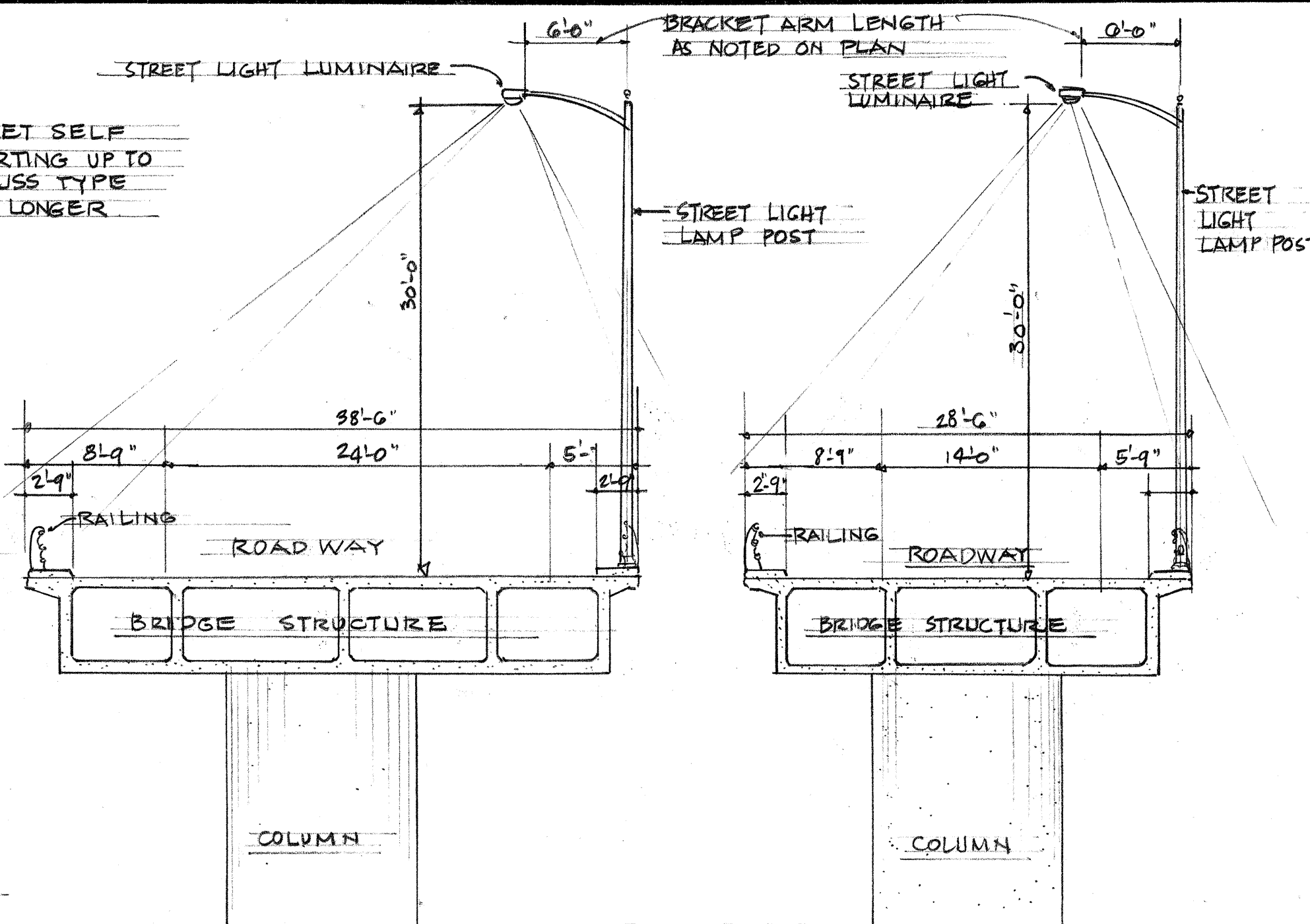
TYPICAL LOCATION OF SIDE WALK BOX IN STRUCTURE
NOT TO SCALE.

G
E-3



TYPICAL ST. LT. METAL LAMP POST
NOT TO SCALE.
SEE SHTS. 11 AND 72 FOR FOOTING DETAILS

C
E-3

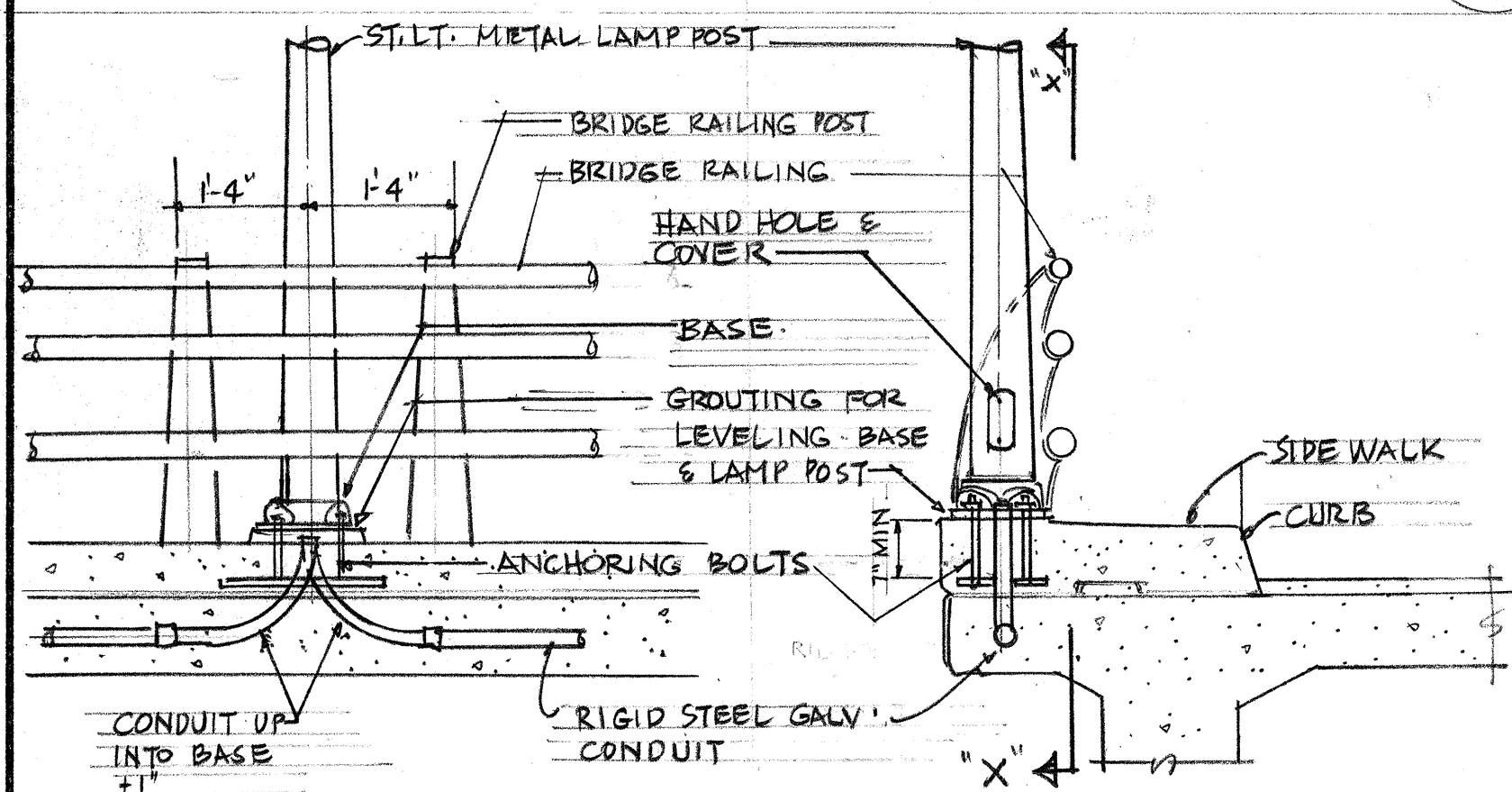


TYPICAL SECTION "B" AT BRIDGE STRUCTURE
SCALE: 1/8" = 1'-0"

BRIDGE STRUCTURE

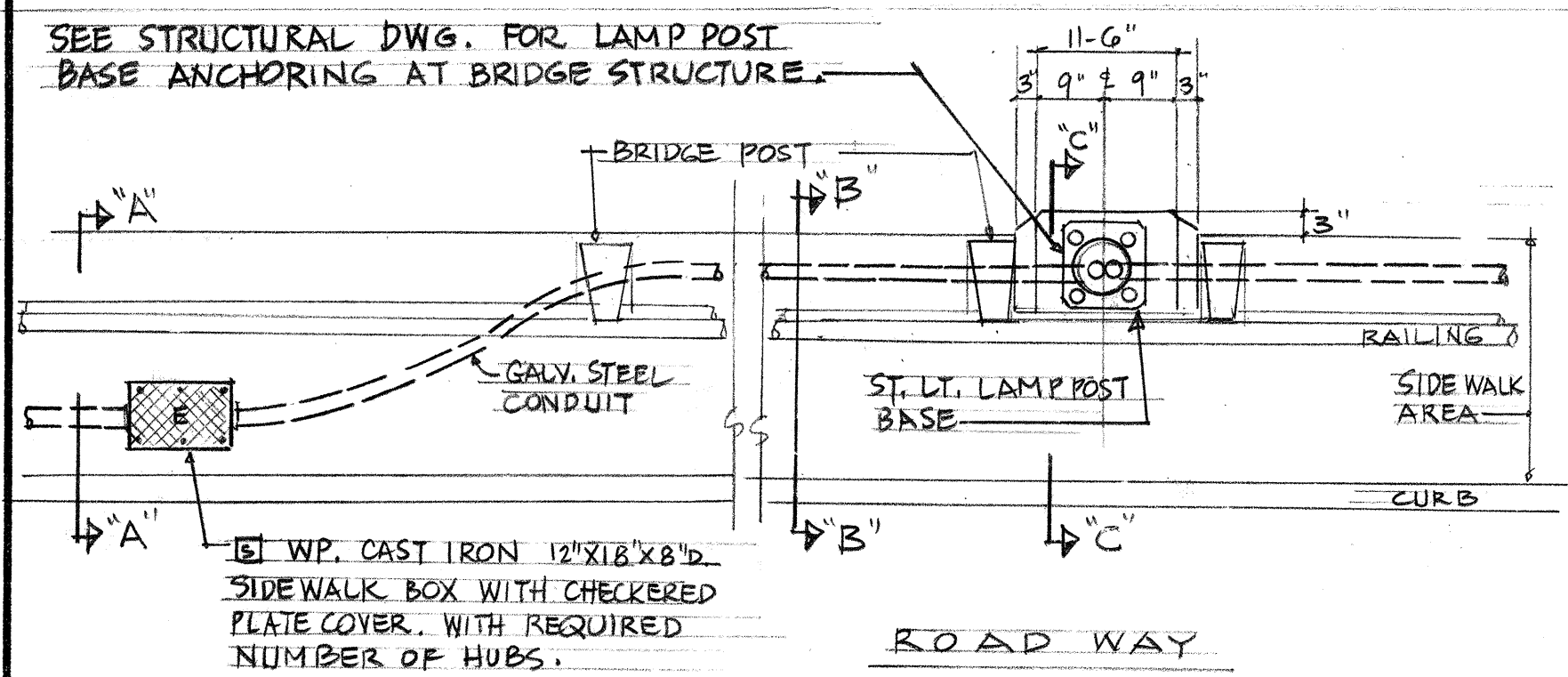
TYPICAL SECTION "A" AT BRIDGE STRUCTURE
SCALE: 1/8" = 1'-0"

STREET LIGHTING



SECTION "X-X" ST. LT. LAMP POST AT STRUCTURE
NOT TO SCALE.

H
E-3



PLAN

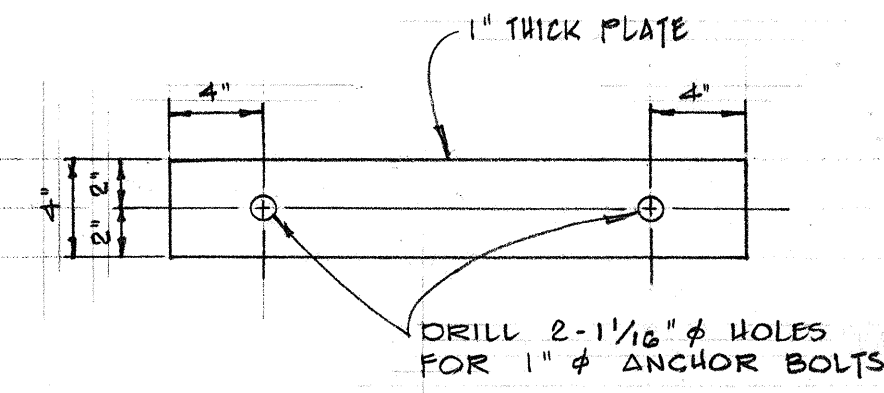
SIDE WALK BOX AT STRUCTURE
NOT TO SCALE.

E
E-3

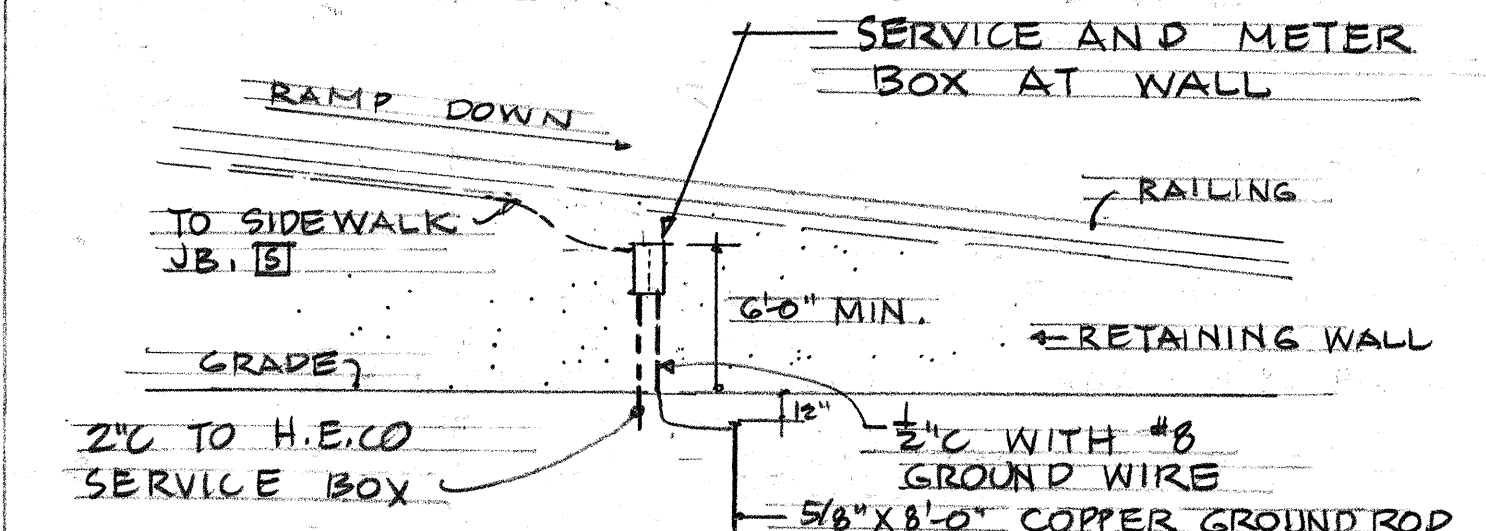
PLAN

STREET LIGHT LAMP POST AT STRUCTURE
NOT TO SCALE.

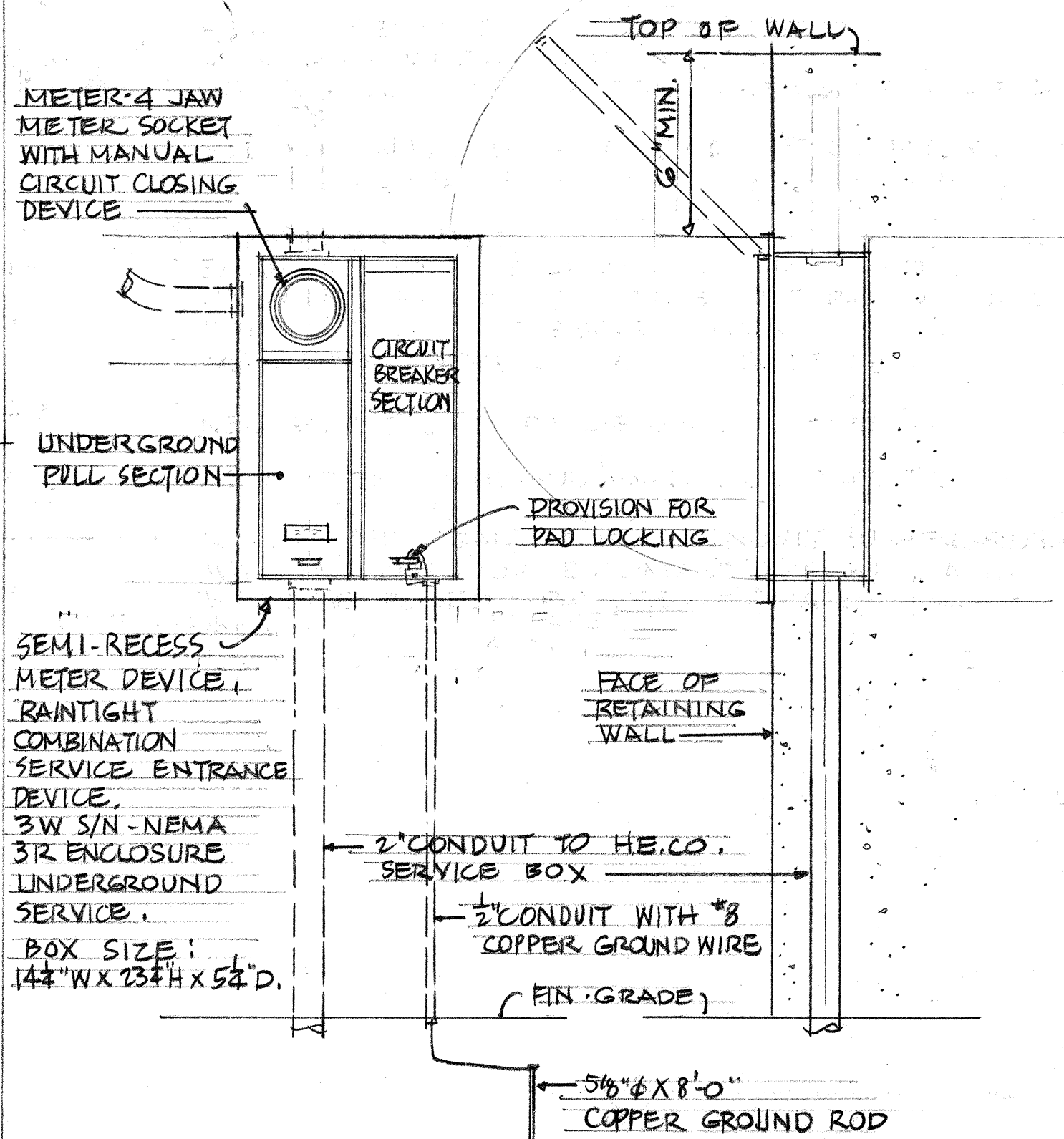
D
E-3



ANCHOR PLATE FOR LIGHT STANDARD



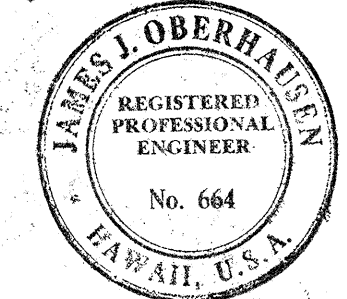
ELEVATION - SECTION
NOT TO SCALE.



FRONT VIEW SECTION VIEW
SERVICE & METER BOX AT RETAINING WALL
NOT TO SCALE.

I
E-3

This work was prepared by me or under my supervision.
James J. Oberhausen



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAPIOLANI OFF RAMP "HI-1"
HIGHWAY LIGHTING SYSTEM
DETAILS

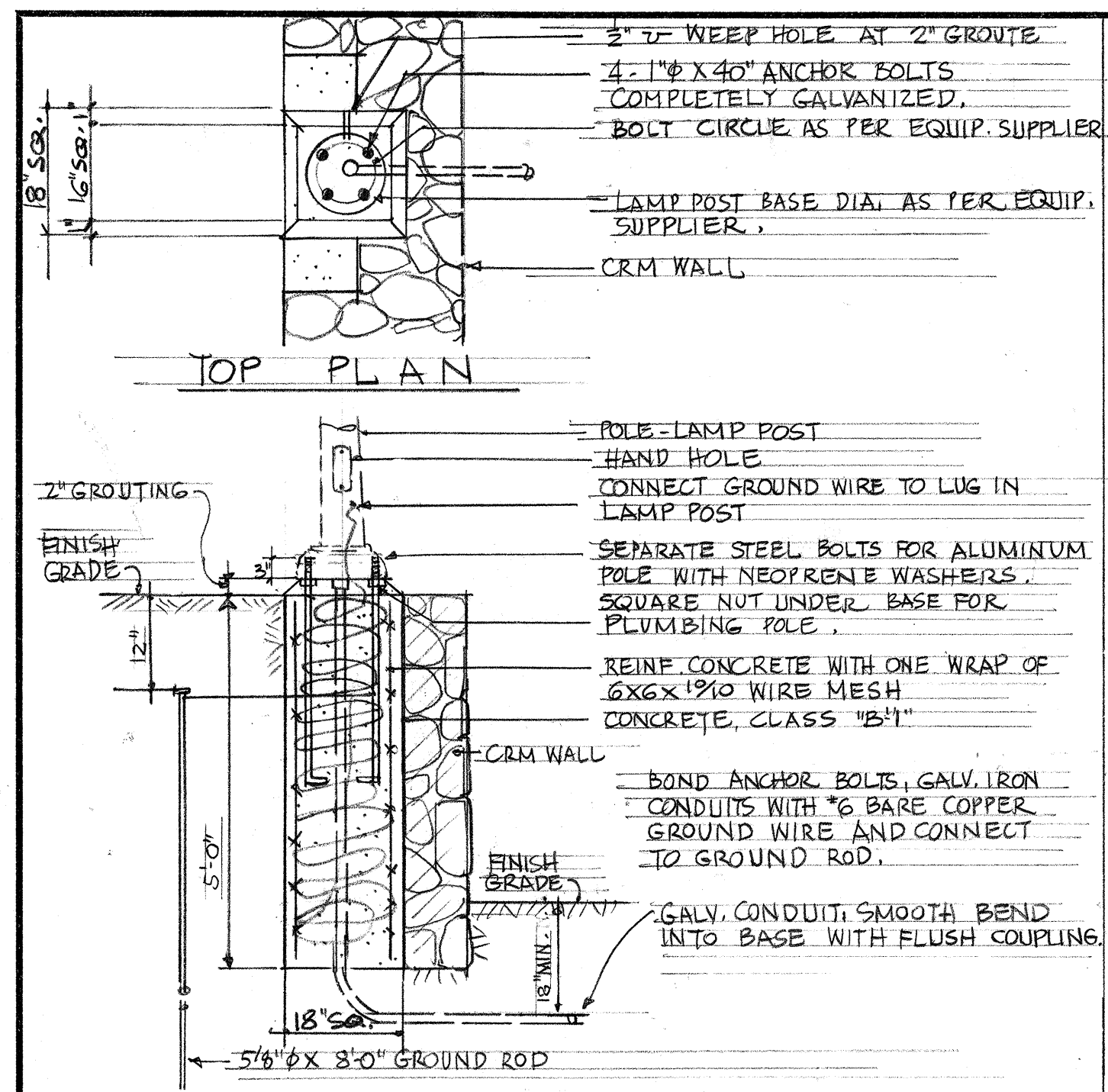
INTERSTATE HIGHWAY (LUNALILO FREEWAY)
F.A.I. PROJ. NO. I-H-1(5)24 UNIT 3

SCALE: AS SHOWN DATE: MAY 1967

SHEET No. 3 OF 5 SHEETS

E-3

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

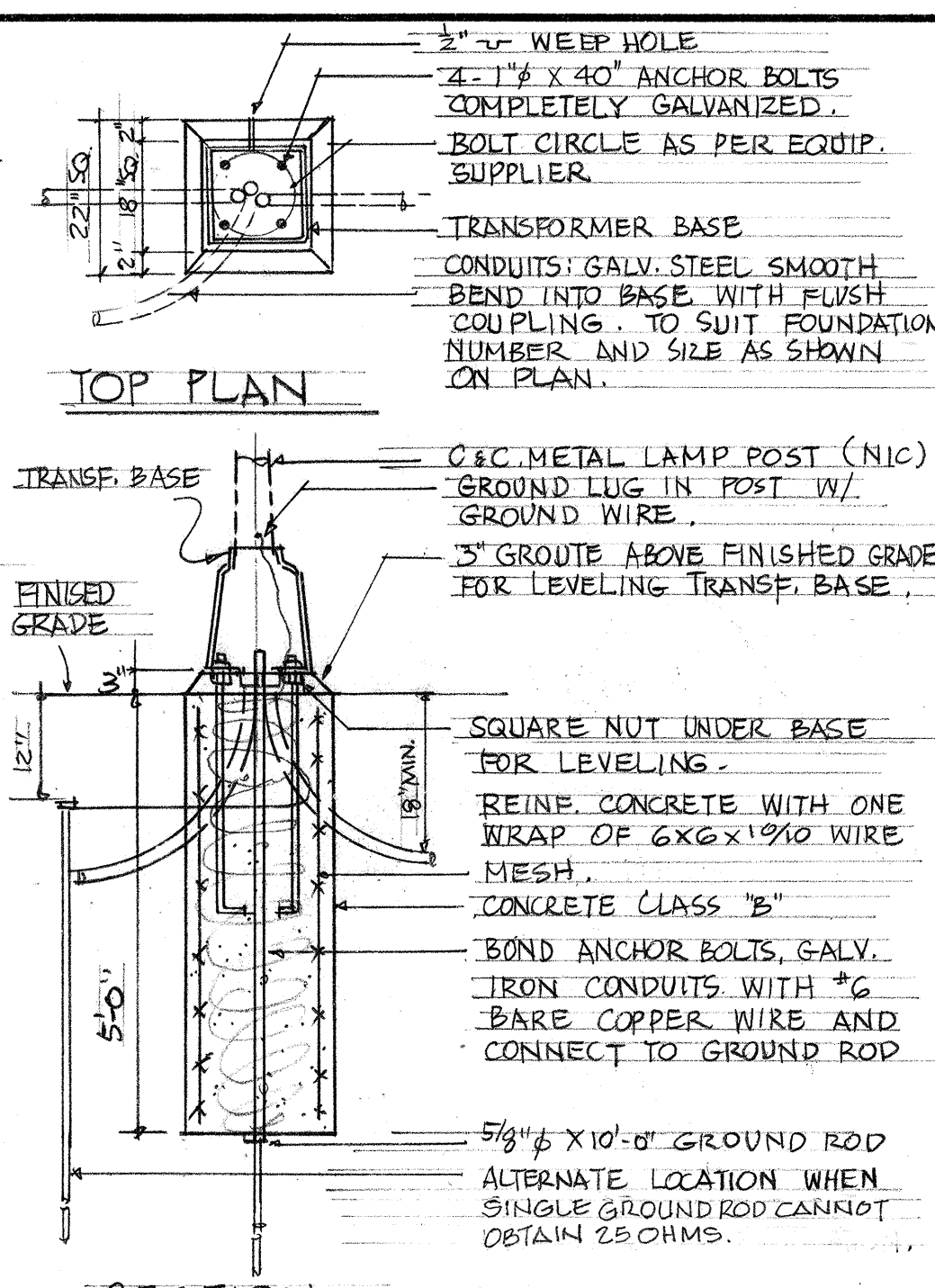


BASE DETAIL AND DIMENSIONS AS PER METAL LAMP POST SUPPLIER, AND MUST BE APPROVED BY ENGINEER IN CHARGE.

LAMP POST BASE FOUNDATION DET.

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

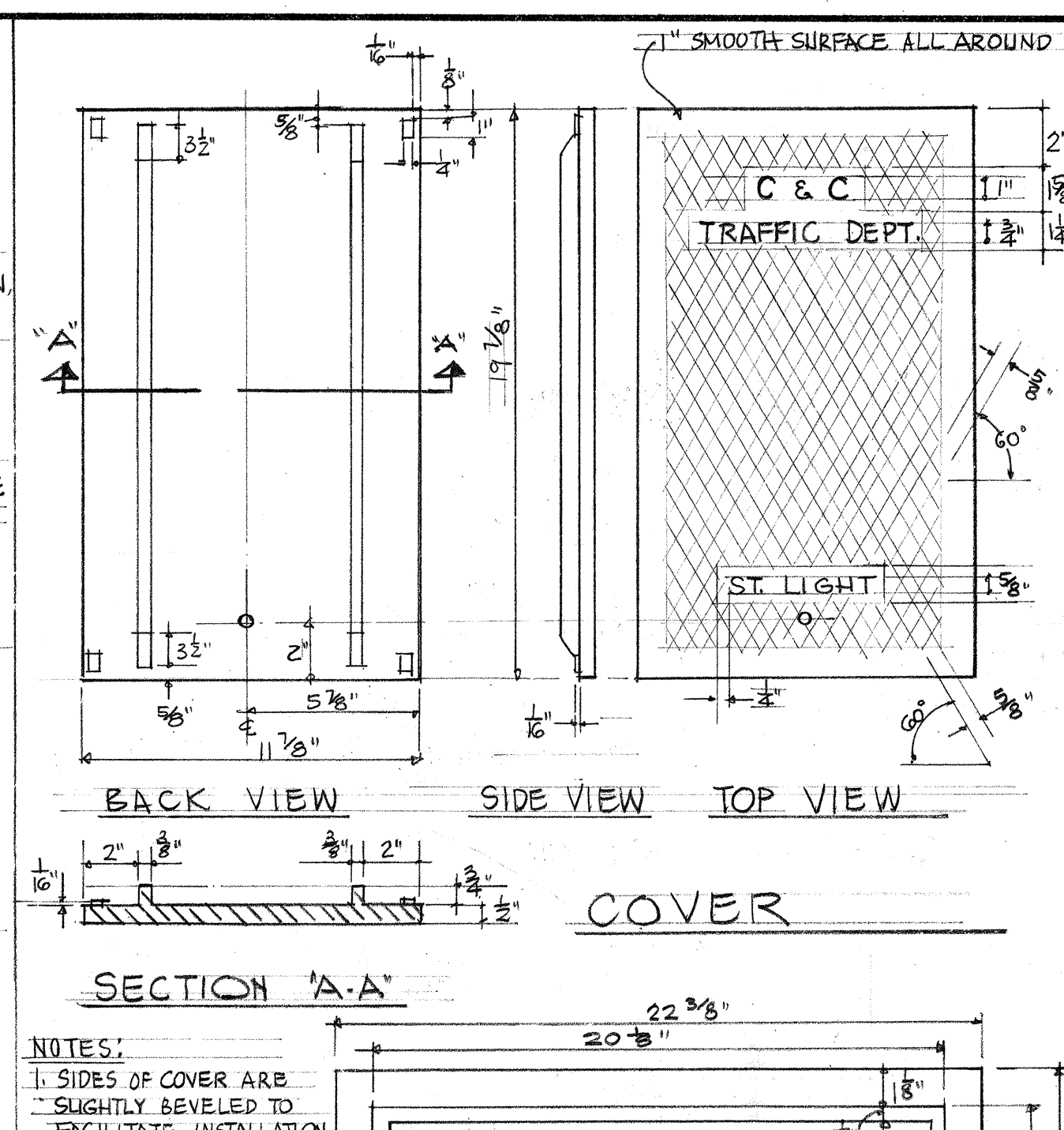
STATE STREET LIGHT REQUIREMENT



BASE DETAIL AND DIMENSIONS AS PER METAL LAMP POST SUPPLIER, AND MUST BE APPROVED BY C & C ENGINEER IN CHARGE.

C & C STREET LIGHT METAL LAMP POST FOUNDATION DET.

NOT TO SCALE:



NOTES:

- SIDES OF COVER ARE SLIGHTLY BEVELED TO FACILITATE INSTALLATION. BEVEL IS INWARD FROM FRONT TO BACK.
- TO BE CAST FROM GREY IRON.
- TO COVER SLD-1 STREET LIGHTING PULL BOX, DR. NO. C-702.
- FOR FIRE ALARM PULL BOX, COVER TO HAVE "FIRE ALARM" IDENTIFICATION.

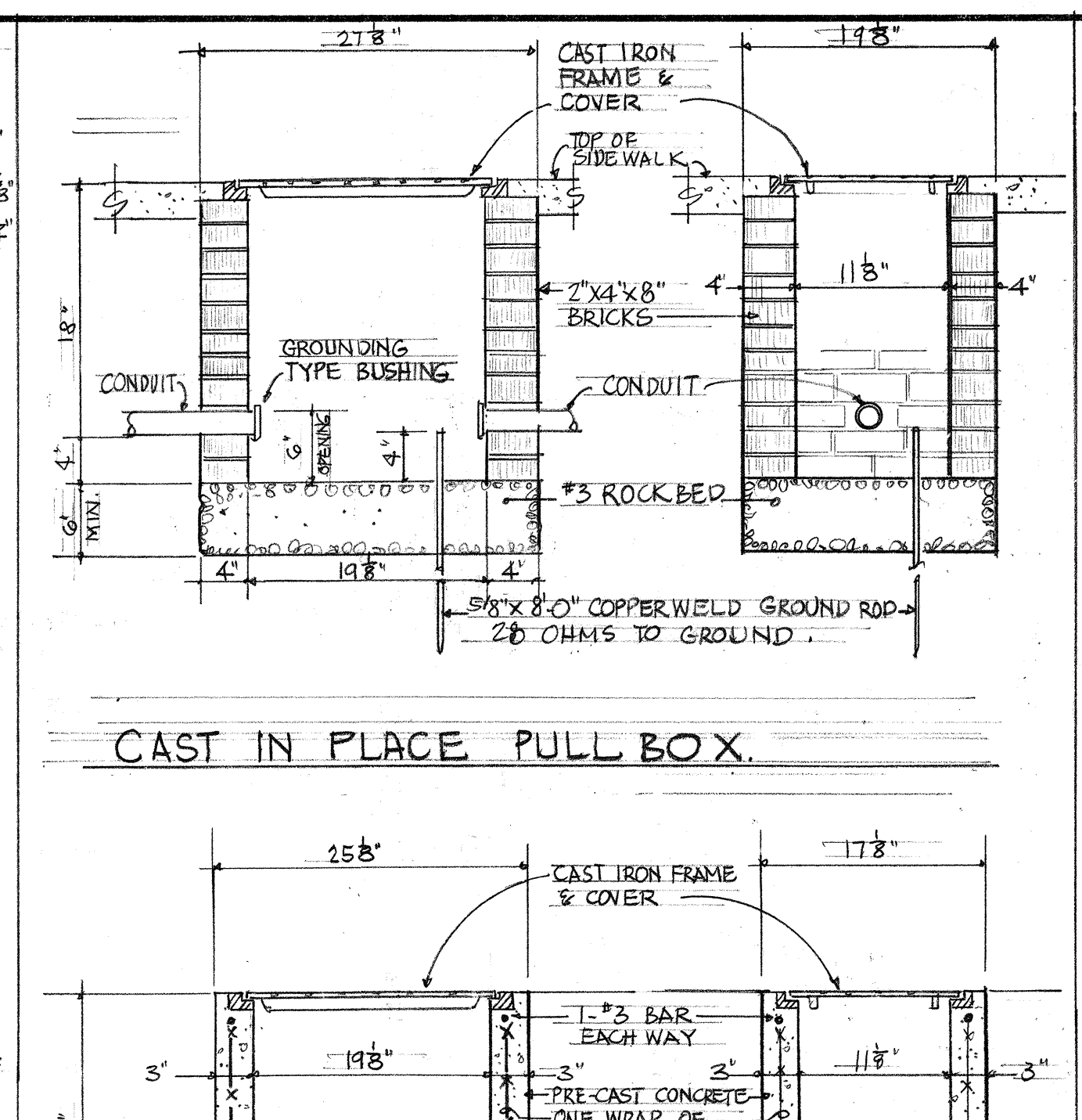
SECTION 'A-A'

TOP VIEW OF FRAME

SECTION 'B-B' CAST IRON FRAME

CAST IRON FRAME AND COVER

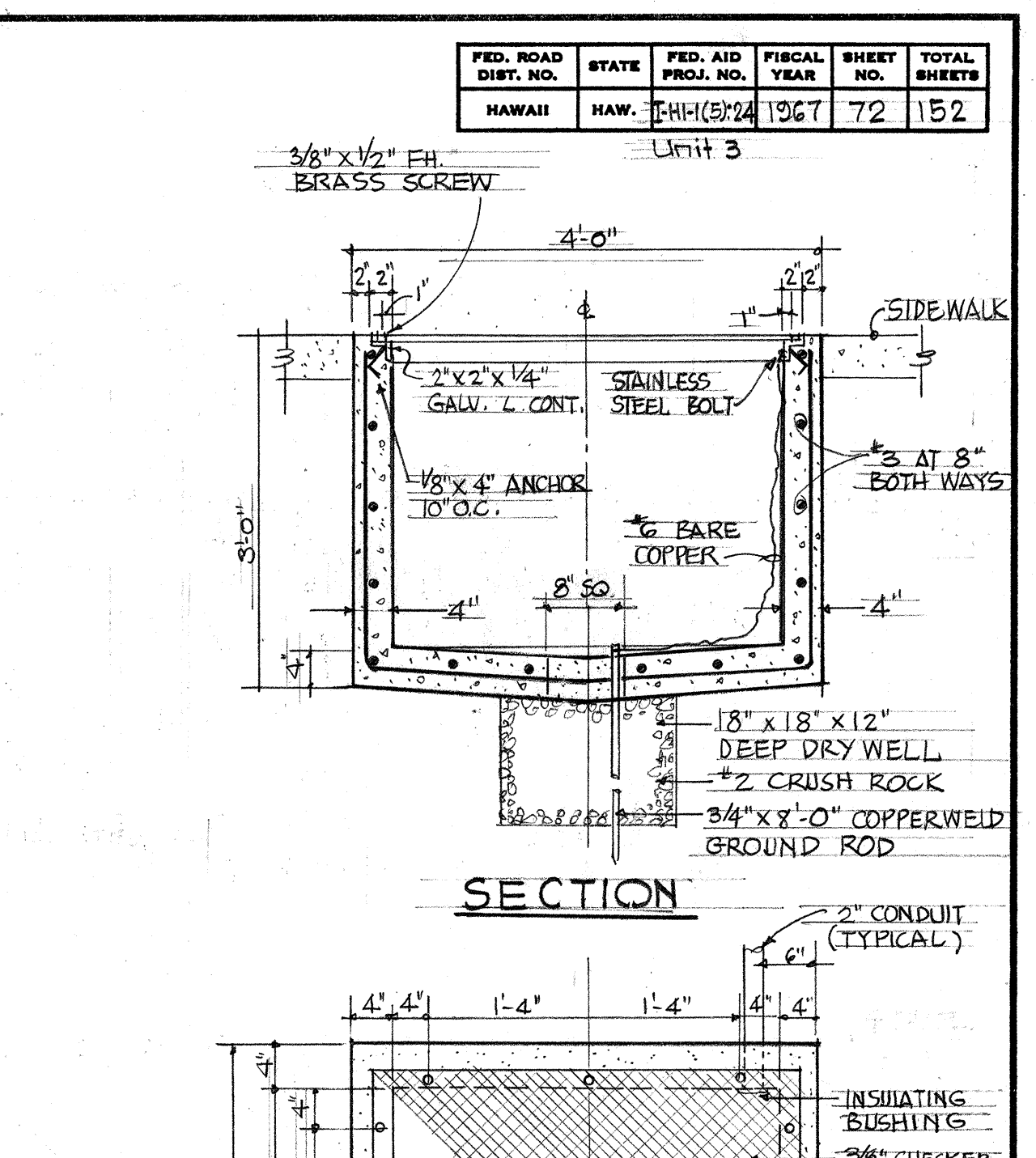
DRAWING NO. C-702-A



CAST IN PLACE PULL BOX

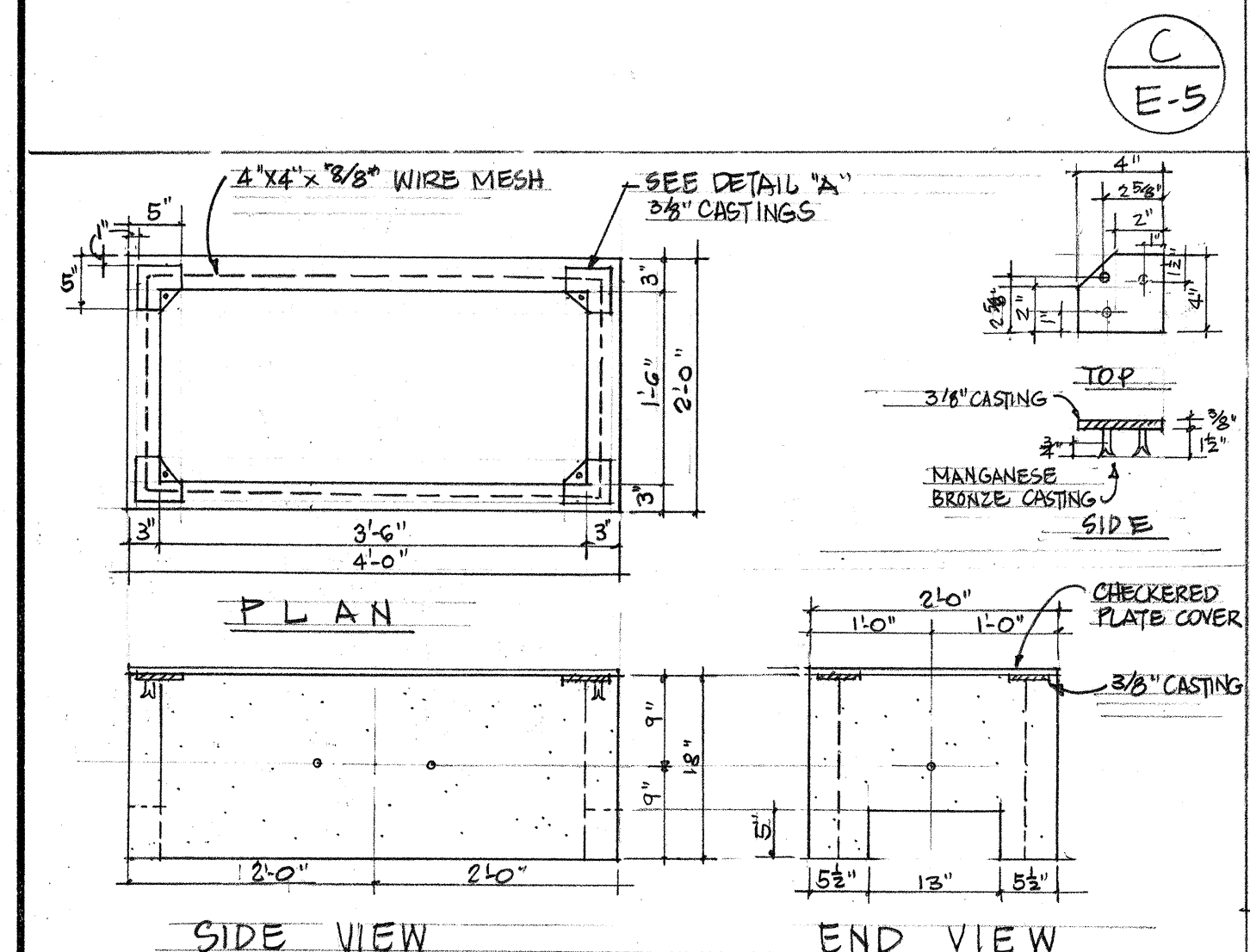
PRECAST PULL BOX

DRAWING NO. C-702



TYPE II HANDHOLE W/ FRAME & COVER

DRAWING NO. C-707

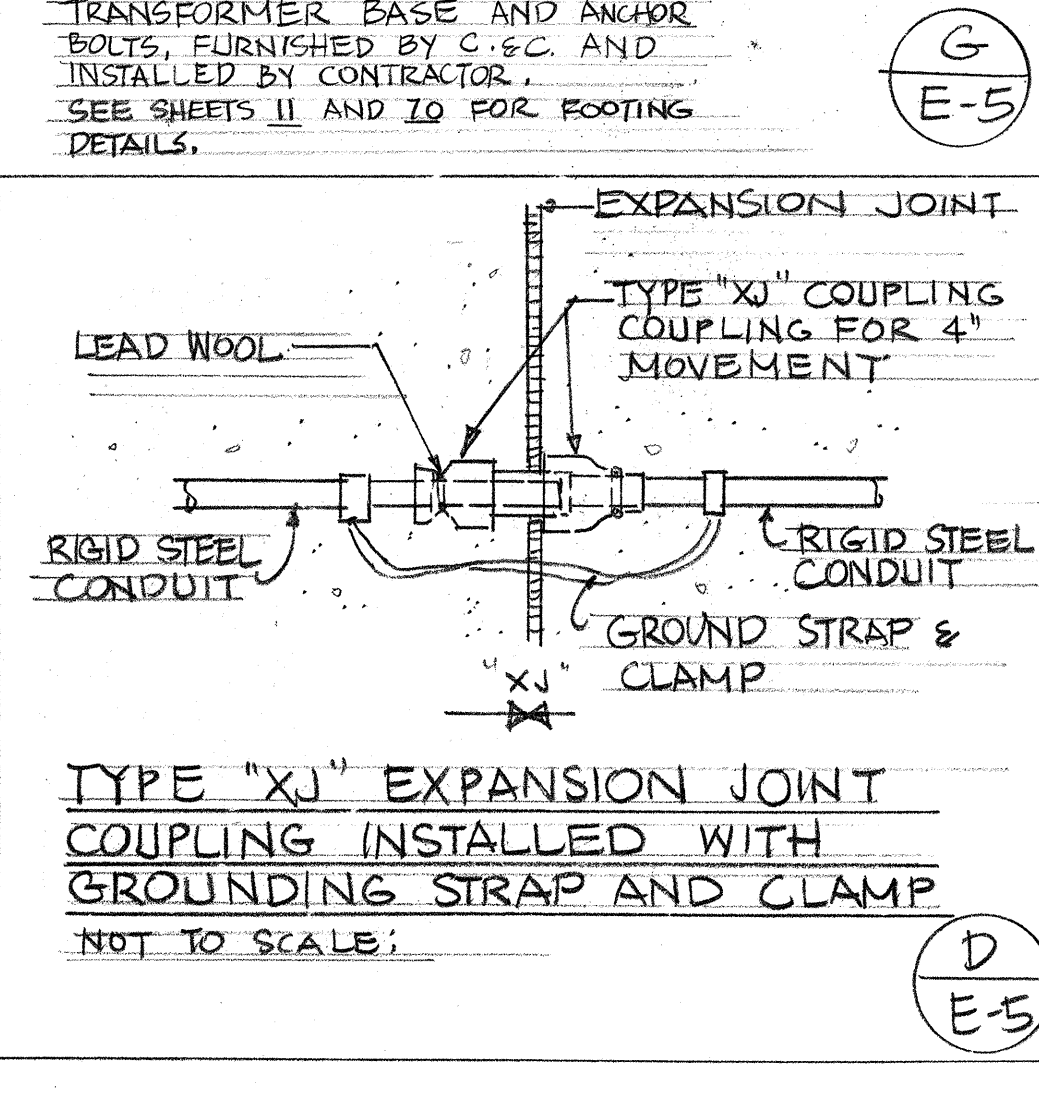


NOTES:

- USE 3/8" CHECKERED PLATE COVER FOR DRIVEWAYS.
- NOT DIP GALVANIZED CHECKERED PLATE AFTER FABRICATION.
- SECURE COVER WITH 3/8" X 1" FLAT HEAD BRASS MACHINE SCREWS.

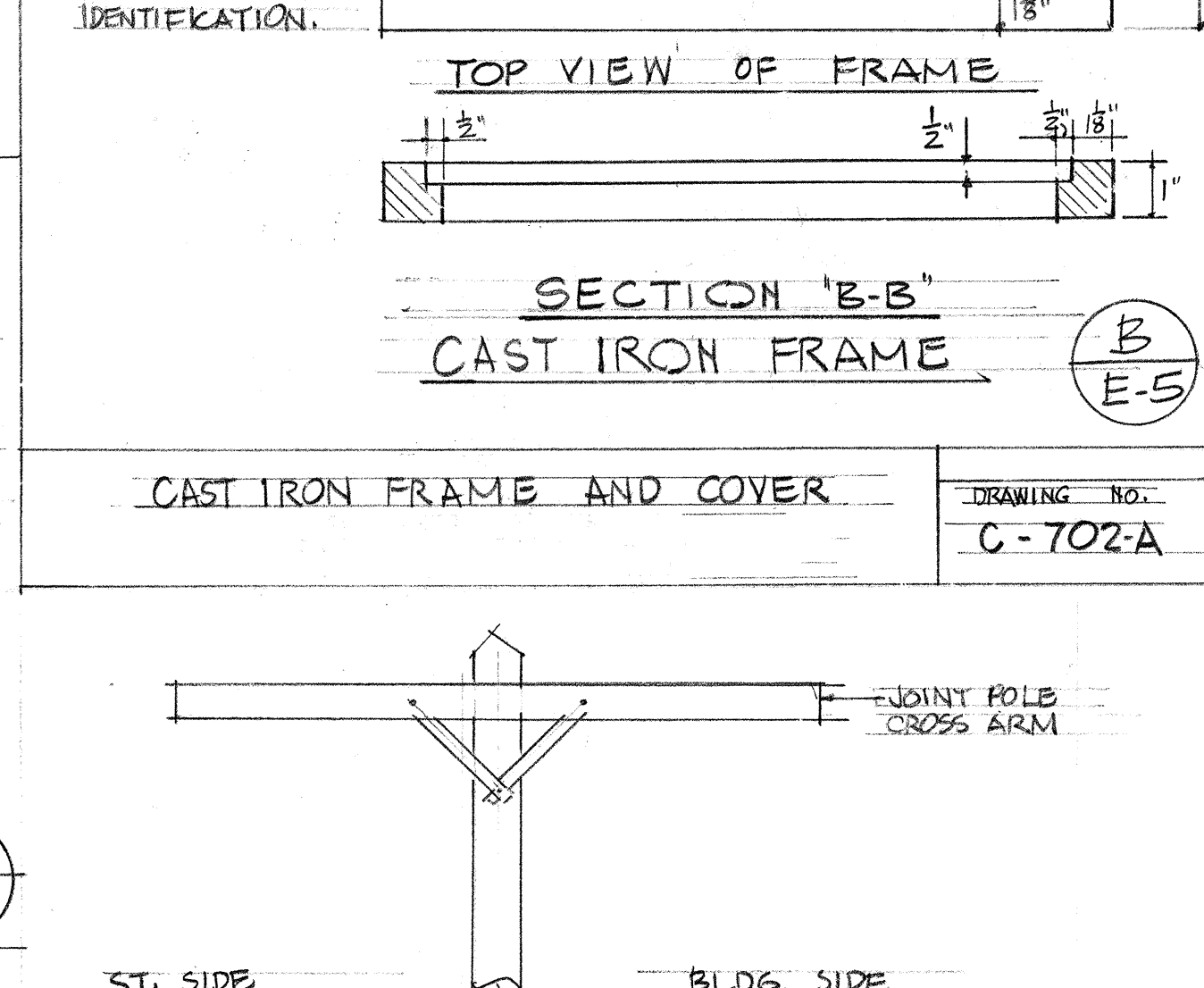
1'-6" X 3'-6" CONCRETE PULL BOX

SCALE: 3/4" = 1'-0" (H.C. & D. CONCRETE PULL BOX #434-A)



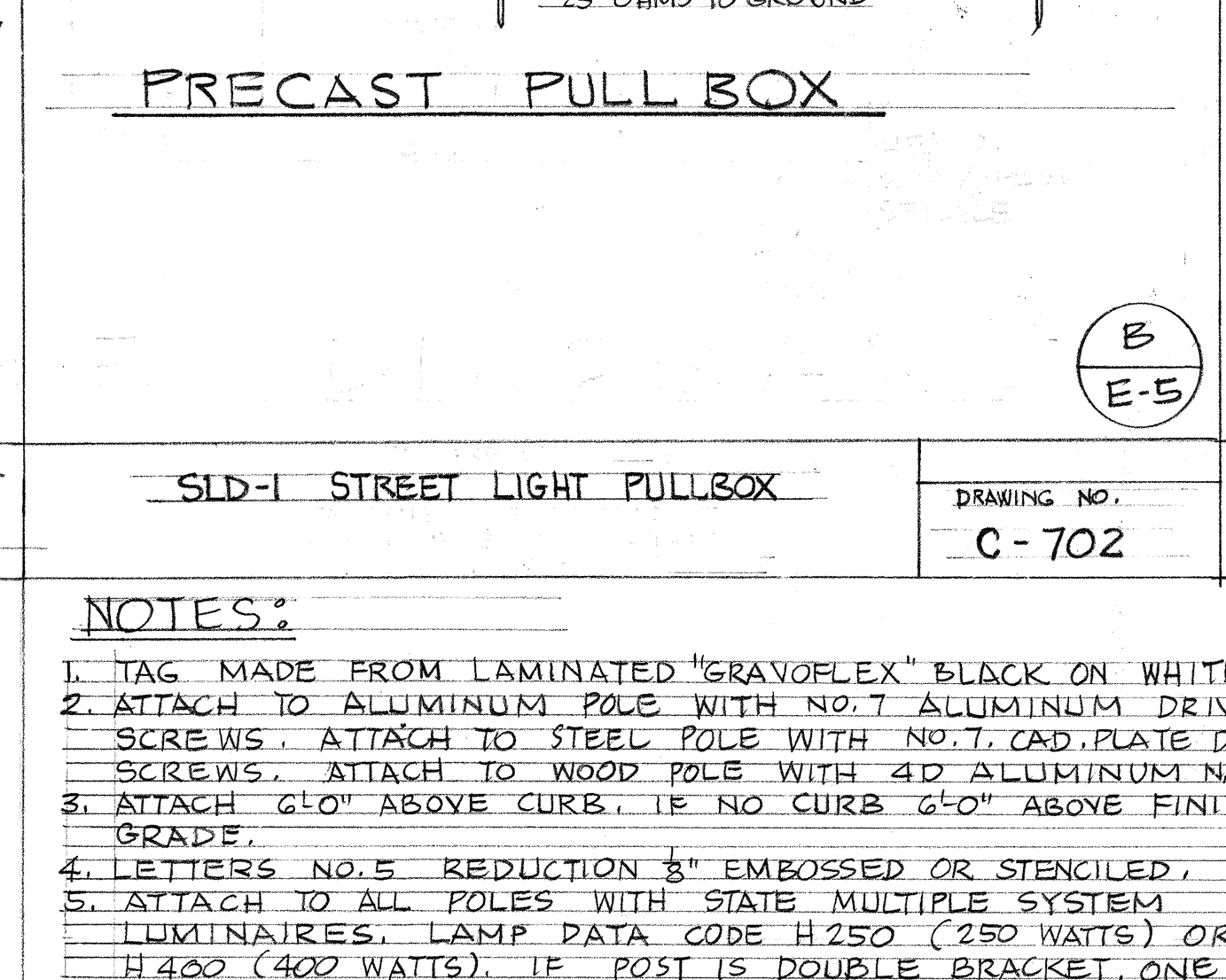
TYPE "XJ" EXPANSION JOINT COUPLING INSTALLED WITH GROUNDING STRAP AND CLAMP

NOT TO SCALE:



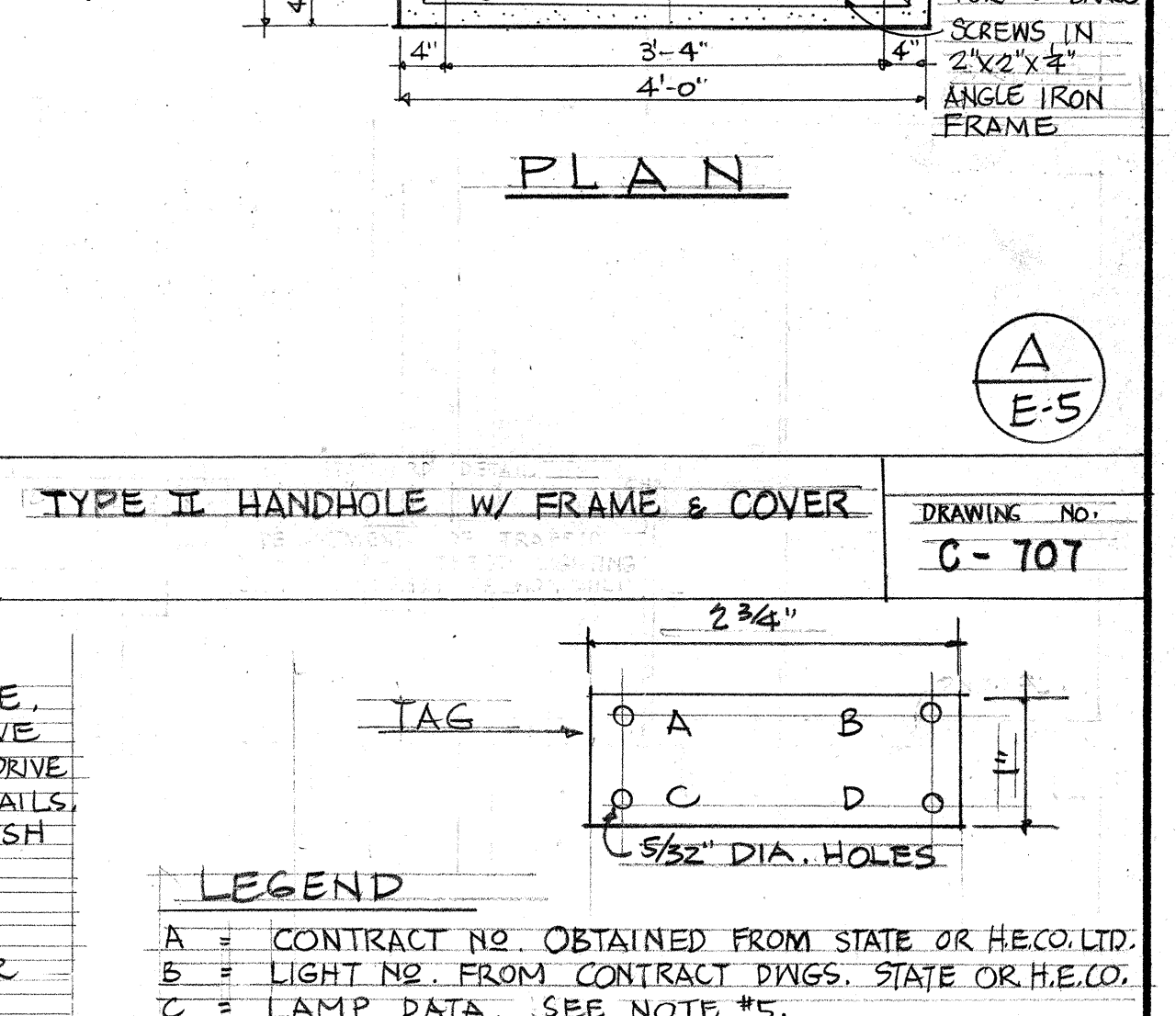
RISE POLE

NOT TO SCALE:



MULTIPLE STREET LIGHTING IDENTIFICATION TAG

STATE STREET LIGHT REQUIREMENT



LEGEND

A = CONTRACT NO. OBTAINED FROM STATE OR H.E.CO.

B = LIGHT NO. FROM CONTRACT DWGS. STATE OR H.E.CO.

C = LAMP DATA. SEE NOTE #5.

D = REFRACTOR DATA. USE "ROMAN NUMERAL" I.E.S. TYPE AS INDICATED ON DWGS. OR IN SPECS. I-X.

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

NOTED BY: _____

ORIGINAL PLAN: _____

NOTE BOOK: _____

No. _____

DATE: _____

DESIGNED BY: _____

CHECKED BY: _____

NOTED BY: _____

ORIGINAL PLAN: _____

NOTE BOOK: _____

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NOTE BOOK: _____

No. _____