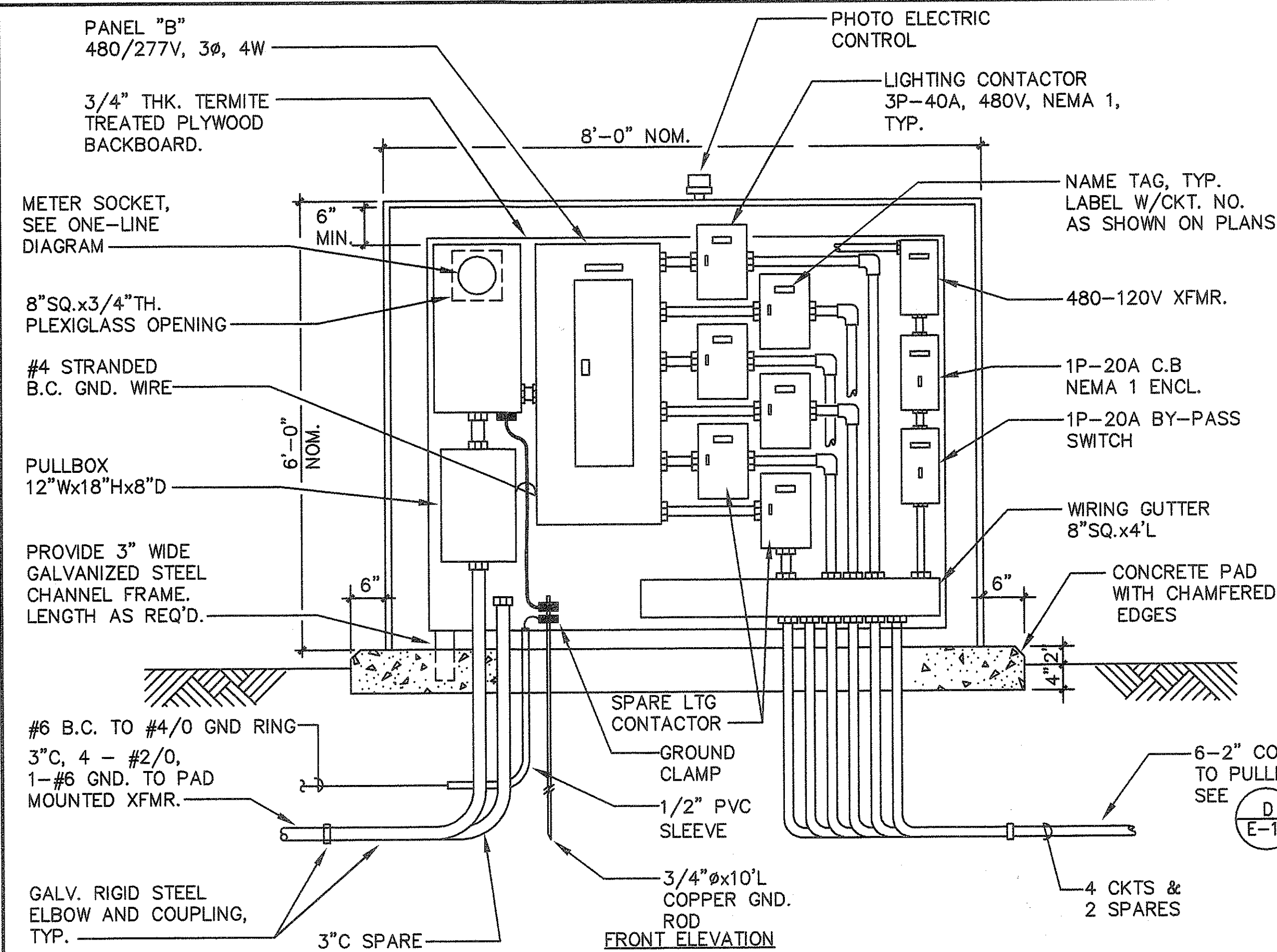


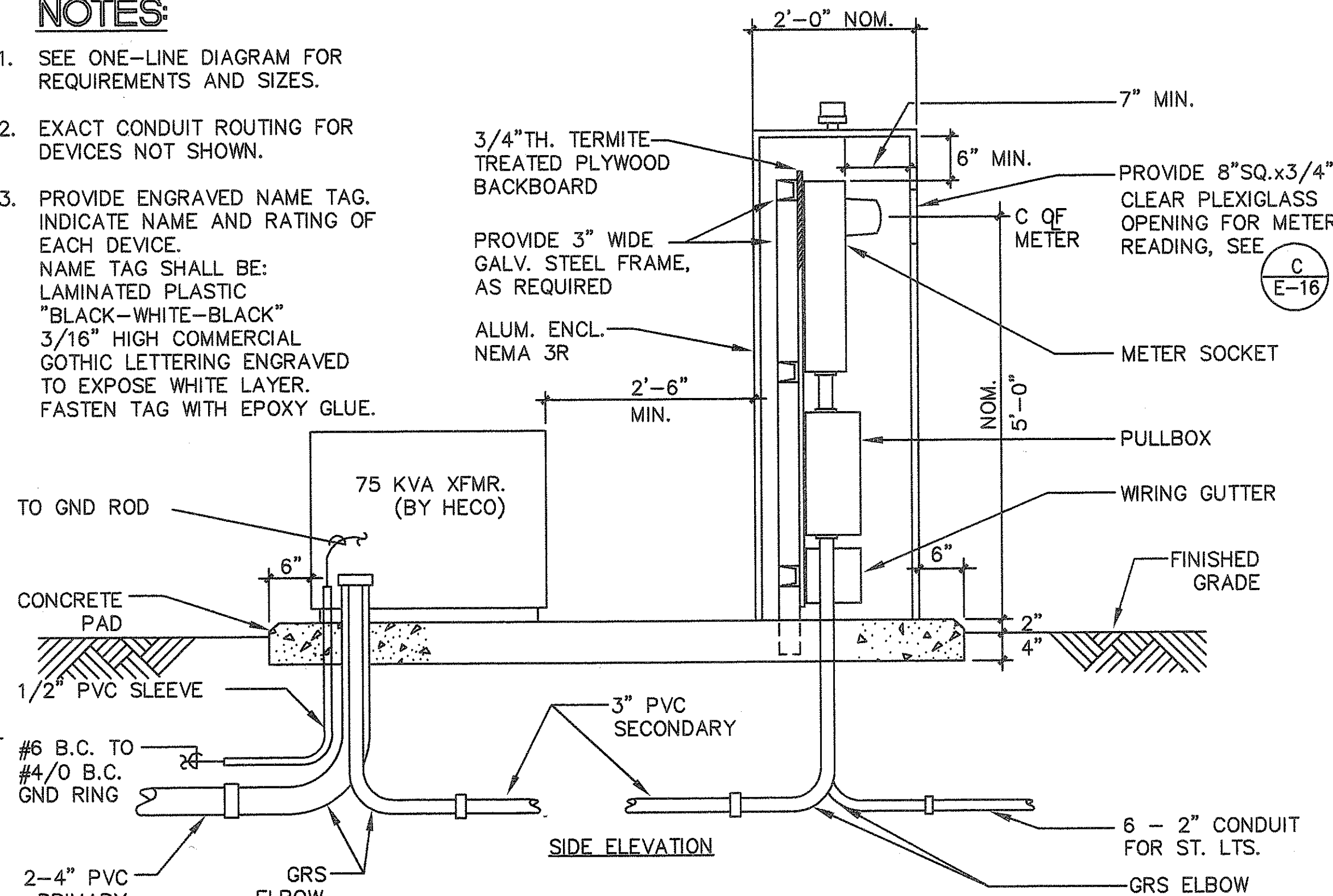
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	18	38



DISTRIBUTION CENTER "B"
NOT TO SCALE

NOTES:

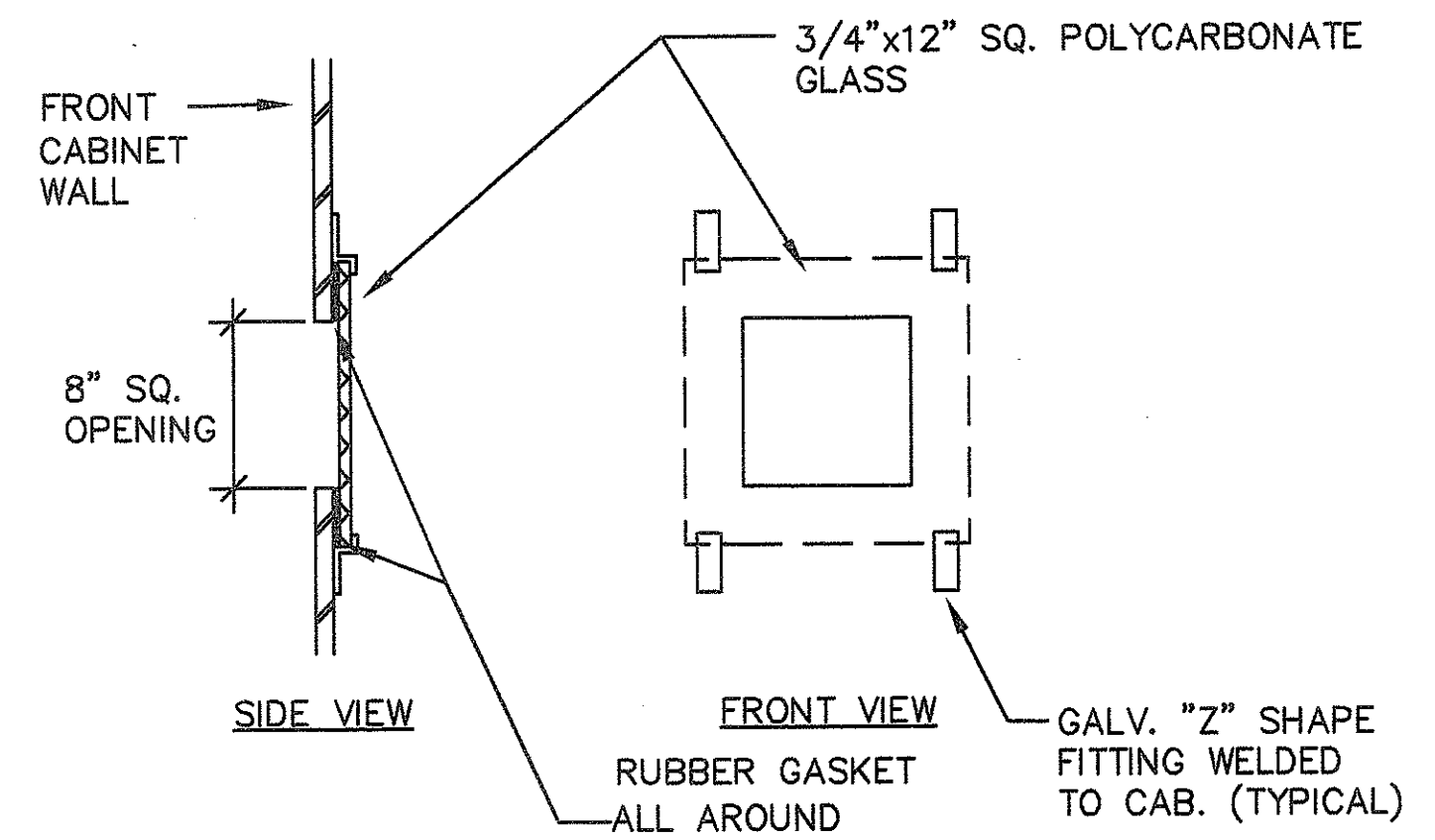
- SEE ONE-LINE DIAGRAM FOR REQUIREMENTS AND SIZES.
- EXACT CONDUIT ROUTING FOR DEVICES NOT SHOWN.
- PROVIDE ENGRAVED NAME TAG. INDICATE NAME AND RATING OF EACH DEVICE. NAME TAG SHALL BE: LAMINATED PLASTIC "BLACK-WHITE-BLACK" 3/16" HIGH COMMERCIAL GOTHIC LETTERING ENGRAVED TO EXPOSE WHITE LAYER. FASTEN TAG WITH EPOXY GLUE.



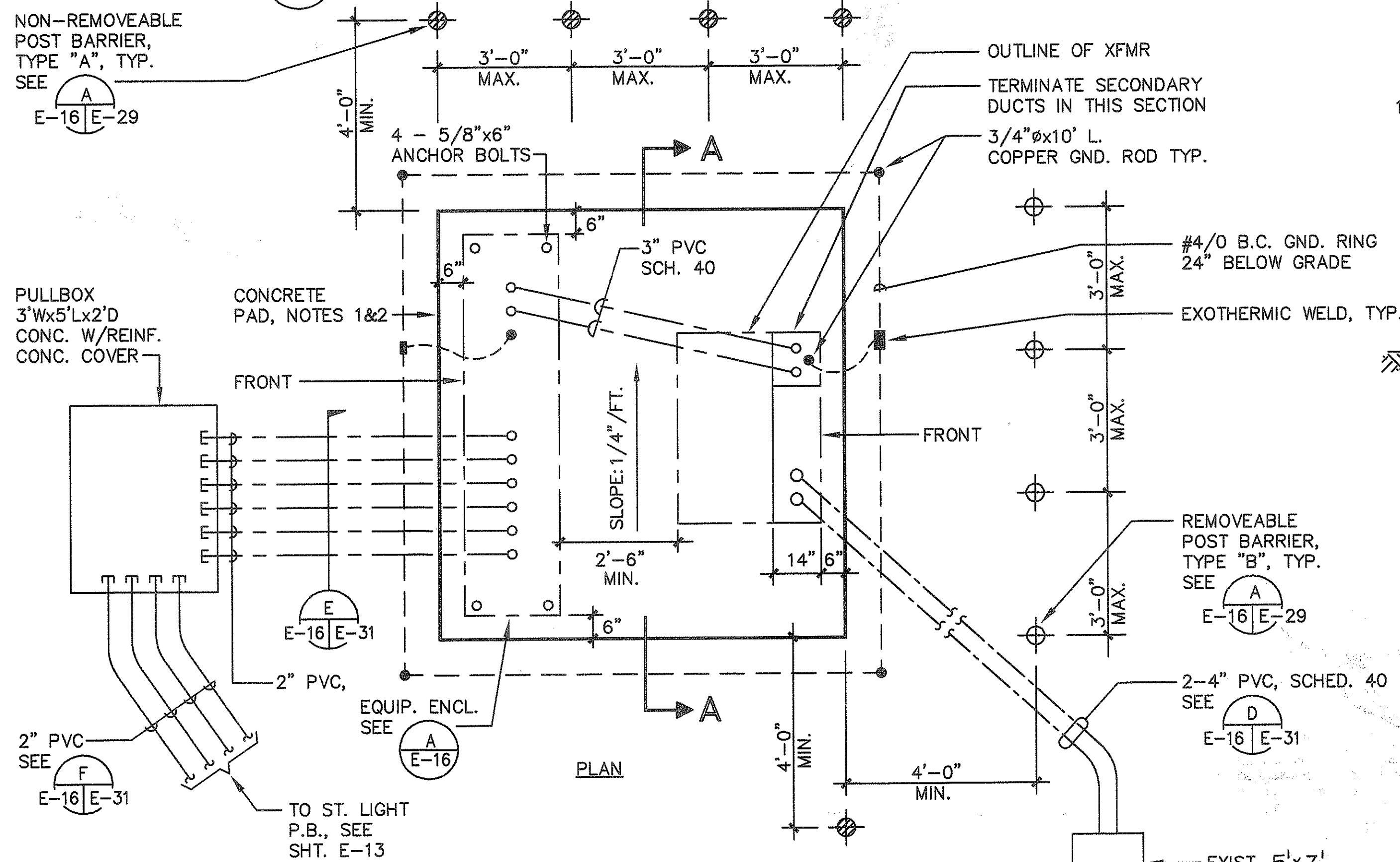
DISTRIBUTION CENTER "B"
NOT TO SCALE

NOTES:

- REFER TO HECO DWG. #32234 FOR ADDITIONAL INSTALLATION REQUIREMENTS AND EQUIPMENT CLEARANCES.
- FOR PAD CONSTRUCTION REFER TO HECO STD. 30-5001, OR LATEST REVISION.
- HARDWARE TO BE HOT DIPPED GALV. AFTER FABRICATION.
- VERIFY EQUIP. DIMENSIONS AND CONC. PAD REQUIREMENTS WITH EQUIP. MANUFACTURER.
- CARRY GREEN WIRE IN ALL CKTS. GROUND ALL EQUIPMENT IN ACCORDANCE W/NEC.



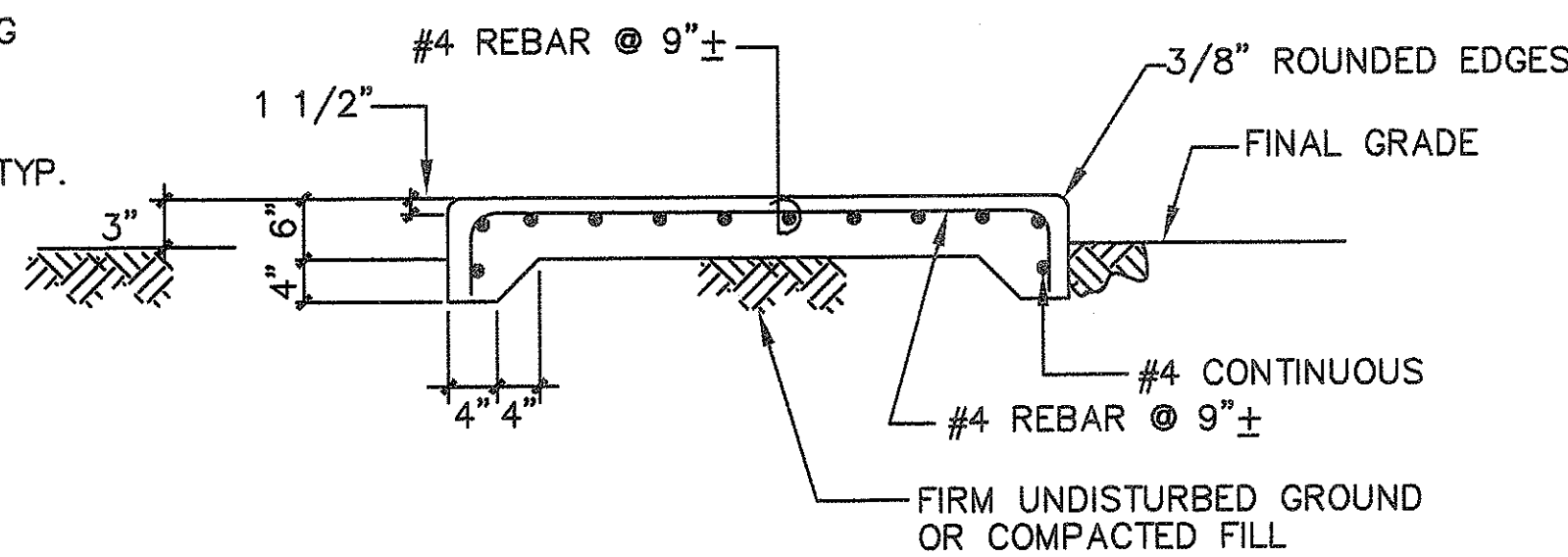
METER WINDOW DETAIL
NOT TO SCALE



STREET LIGHT XFMR & EQUIP. ENCL.
NOT TO SCALE

NOTE:

- CONCRETE STRENGTH FOR PAD SHALL BE 3,000 P.S.I. IN 28 DAYS.

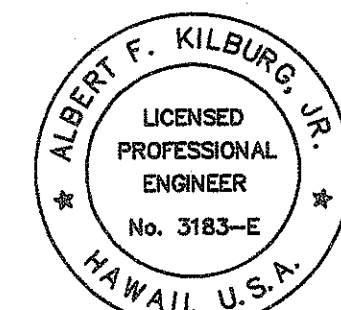


DRAWING REVIEW:
Reviewed for HECO's Facilities Only

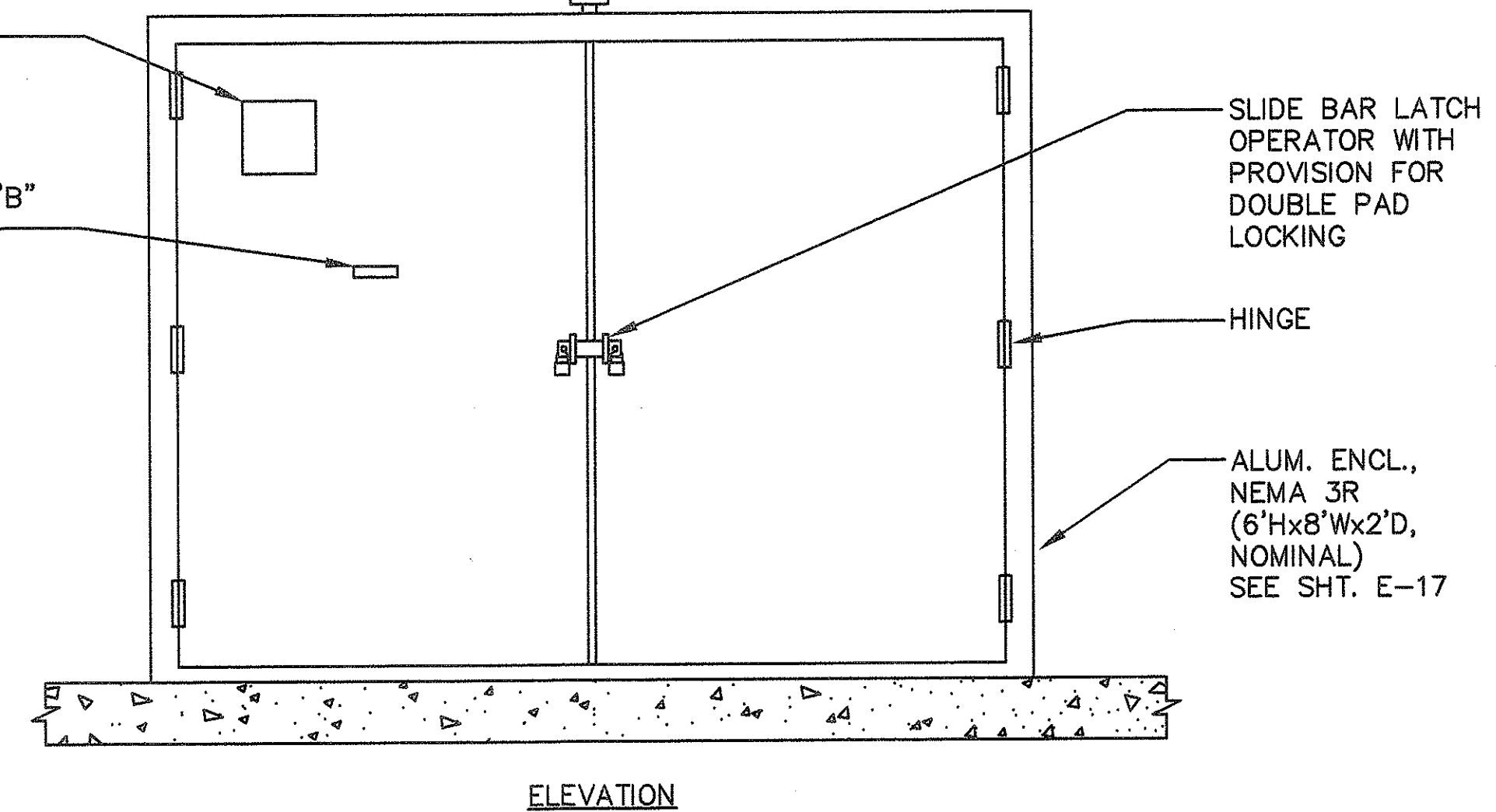
Date: 3/11/94 By: [Signature]

Distribution Engineering Department
Hawaiian Electric Company, Inc.

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CAD FILE No.: E-16/2



EQUIPMENT ENCLOSURE
NOT TO SCALE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS
DISTRIBUTION CENTER "B"

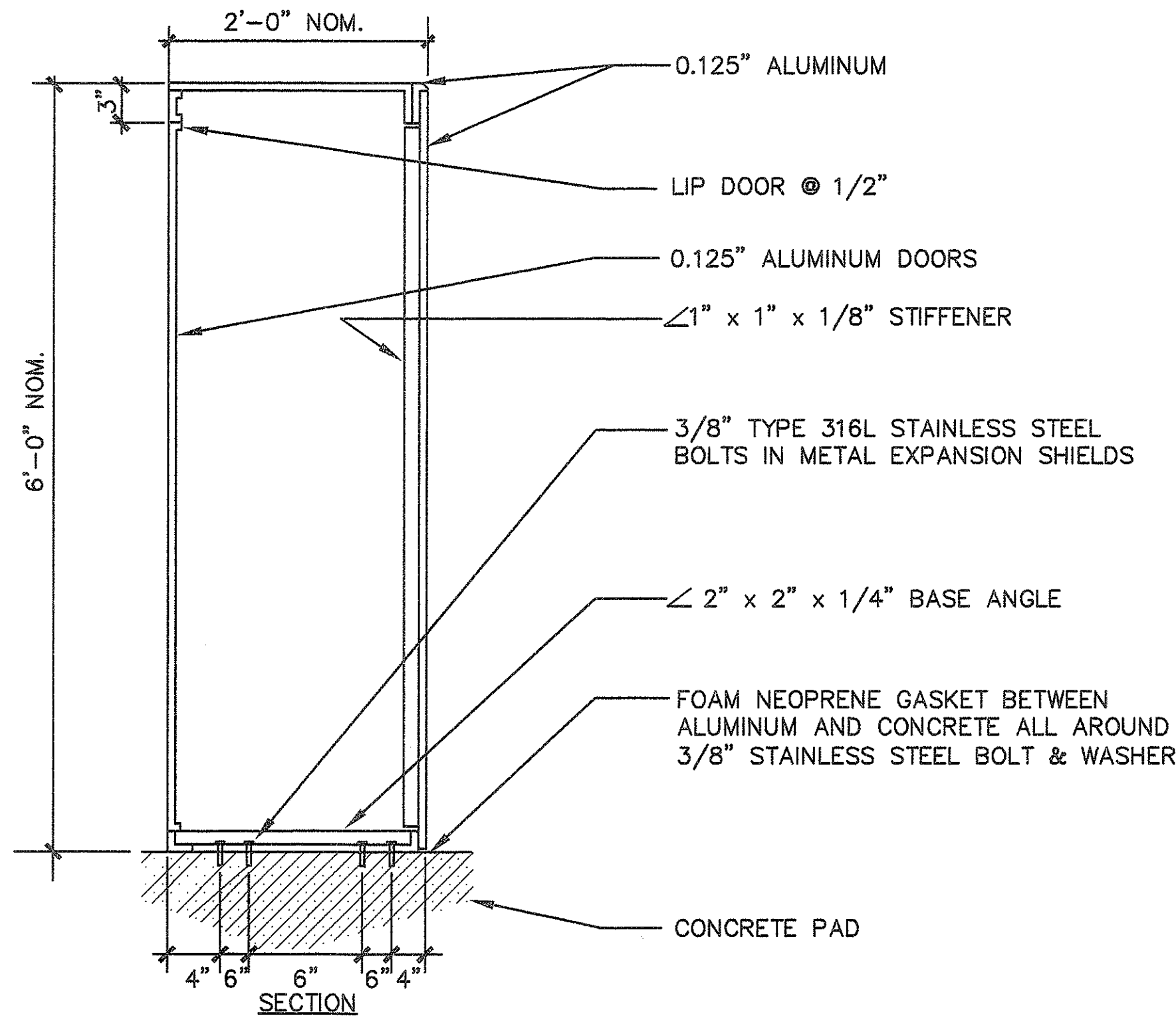
INTERSTATE ROUTE H-1
PALALAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

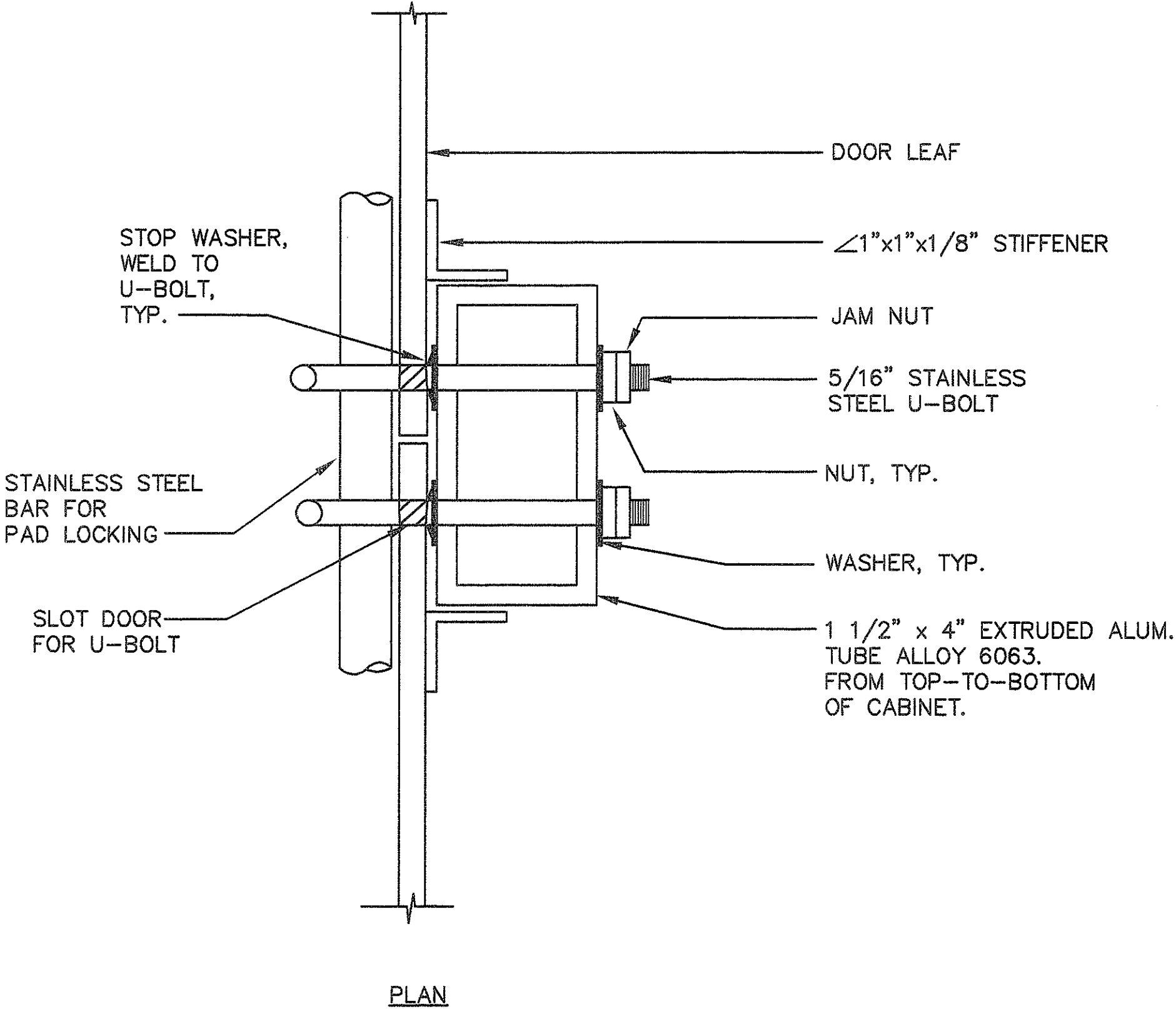
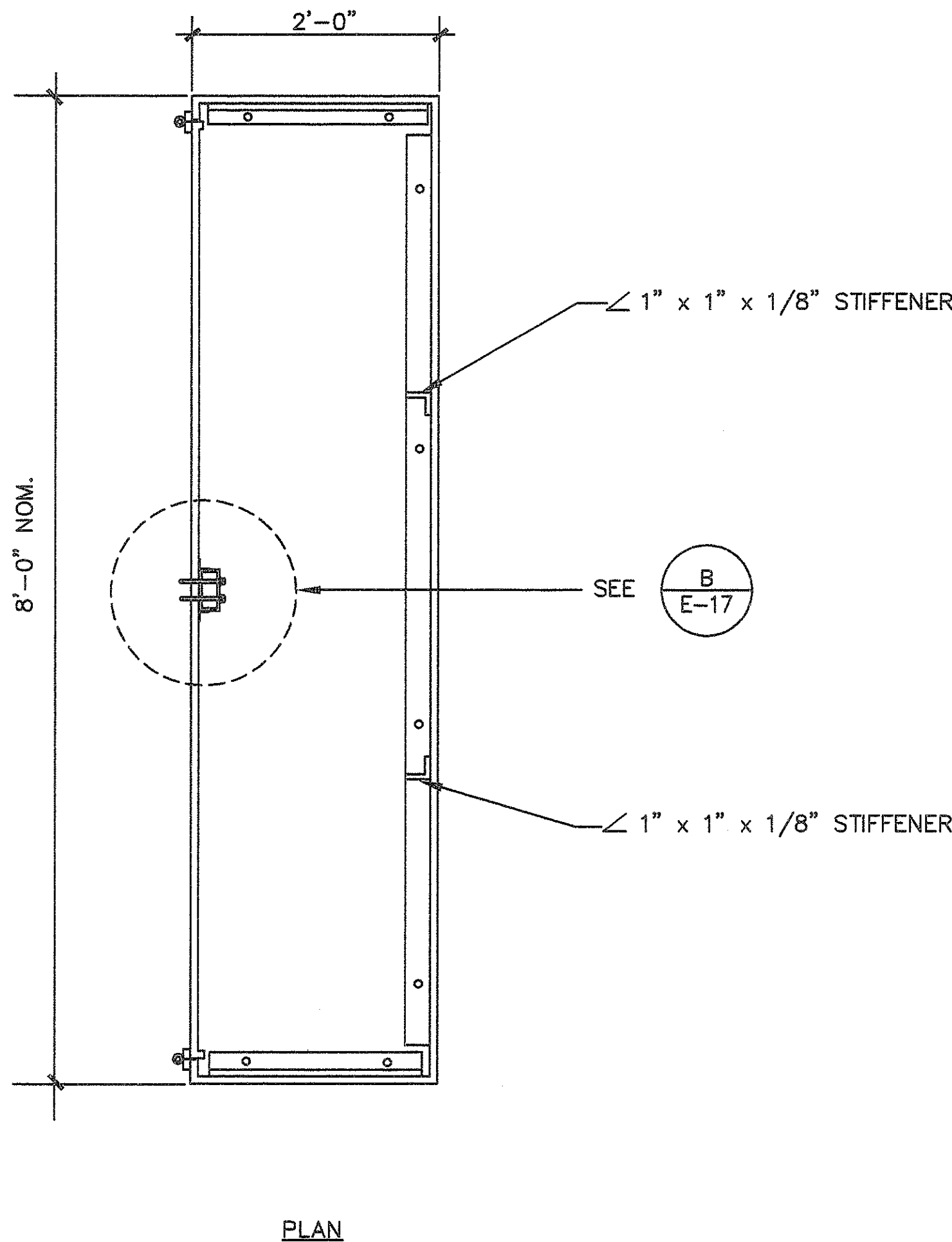
SHEET No. 3 OF 18 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	19	38

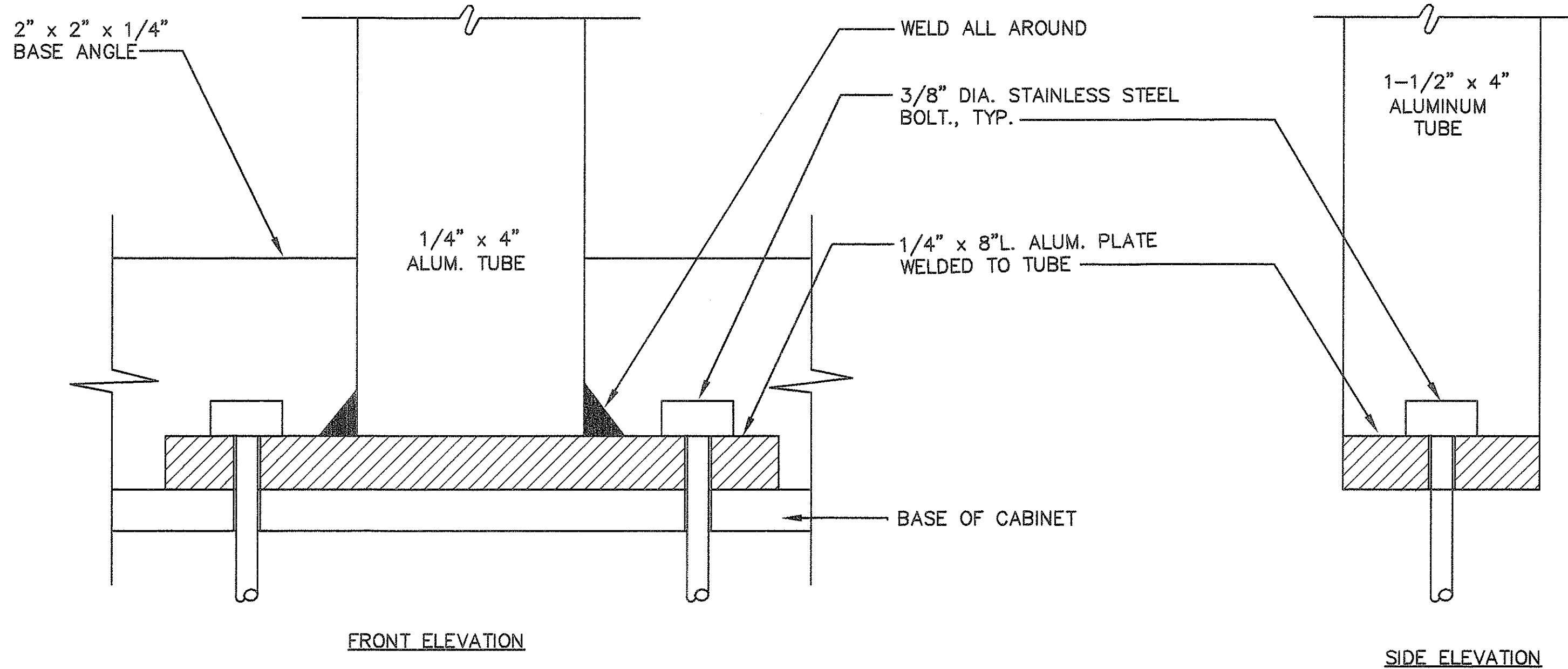
- NOTES:
- CONSTRUCT USING ALUMINUM ALLOY 5052.
SEAL WELD EXTERIOR JOINTS.
PROVIDE GASKETING FOR NEMA 3R CONSTRUCTION.
 - COAT CABINET BASE WITH ASPHALT MASTIC BEFORE SETTING ON CONCRETE.



EQUIPMENT ENCLOSURE (DIST. CENTER "B")
NOT TO SCALE



ALUMINUM TUBE SUPPORT
NOT TO SCALE



ALUMINUM TUBE BASE
NOT TO SCALE

DVM JOB No.: 89104.01
CAD FILE No.: E-17/2

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS DETAILS
DISTRIBUTION CENTER "B"
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

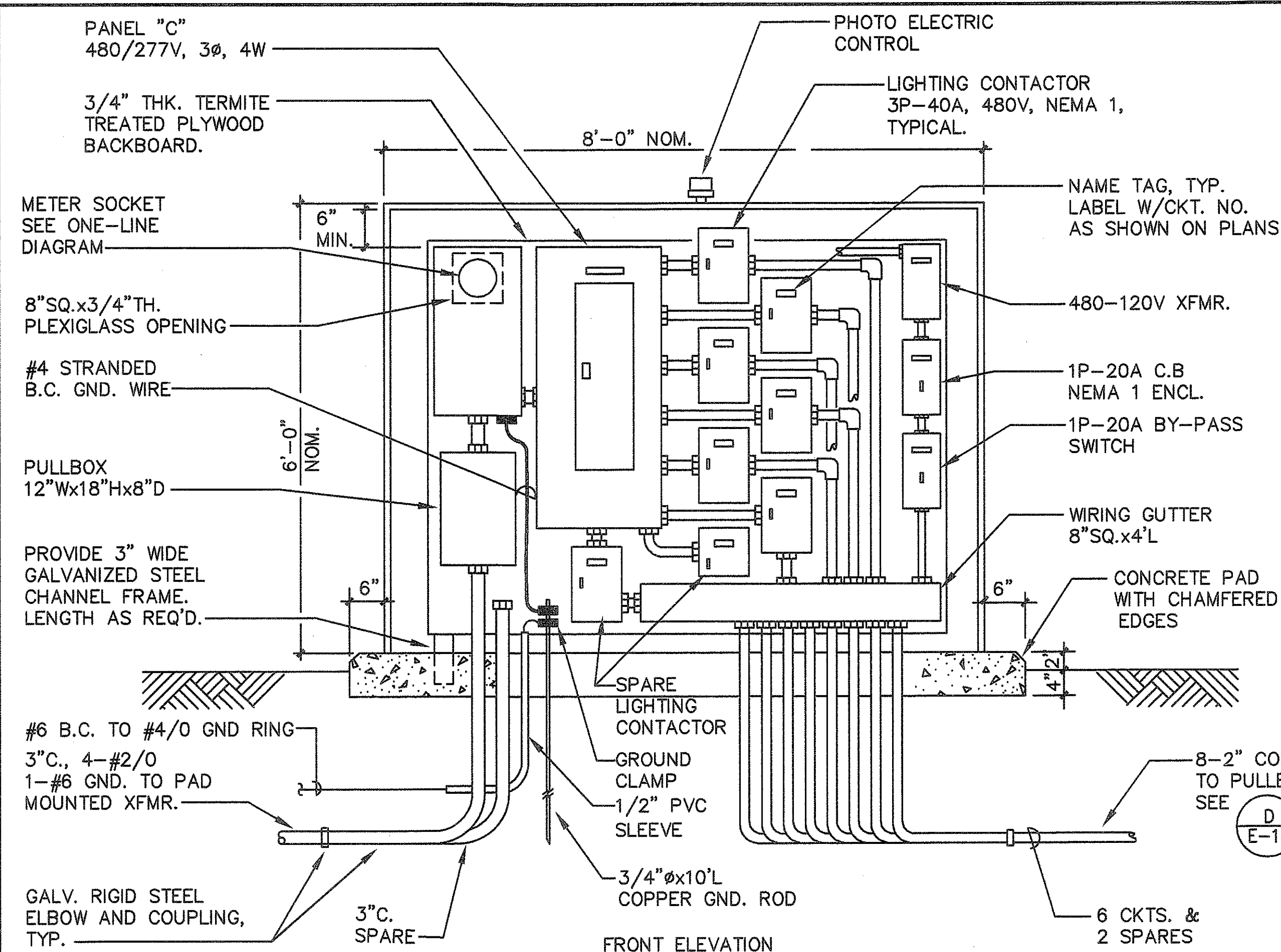
SCALE: AS NOTED
SHEET No. 4 OF 18 SHEETS



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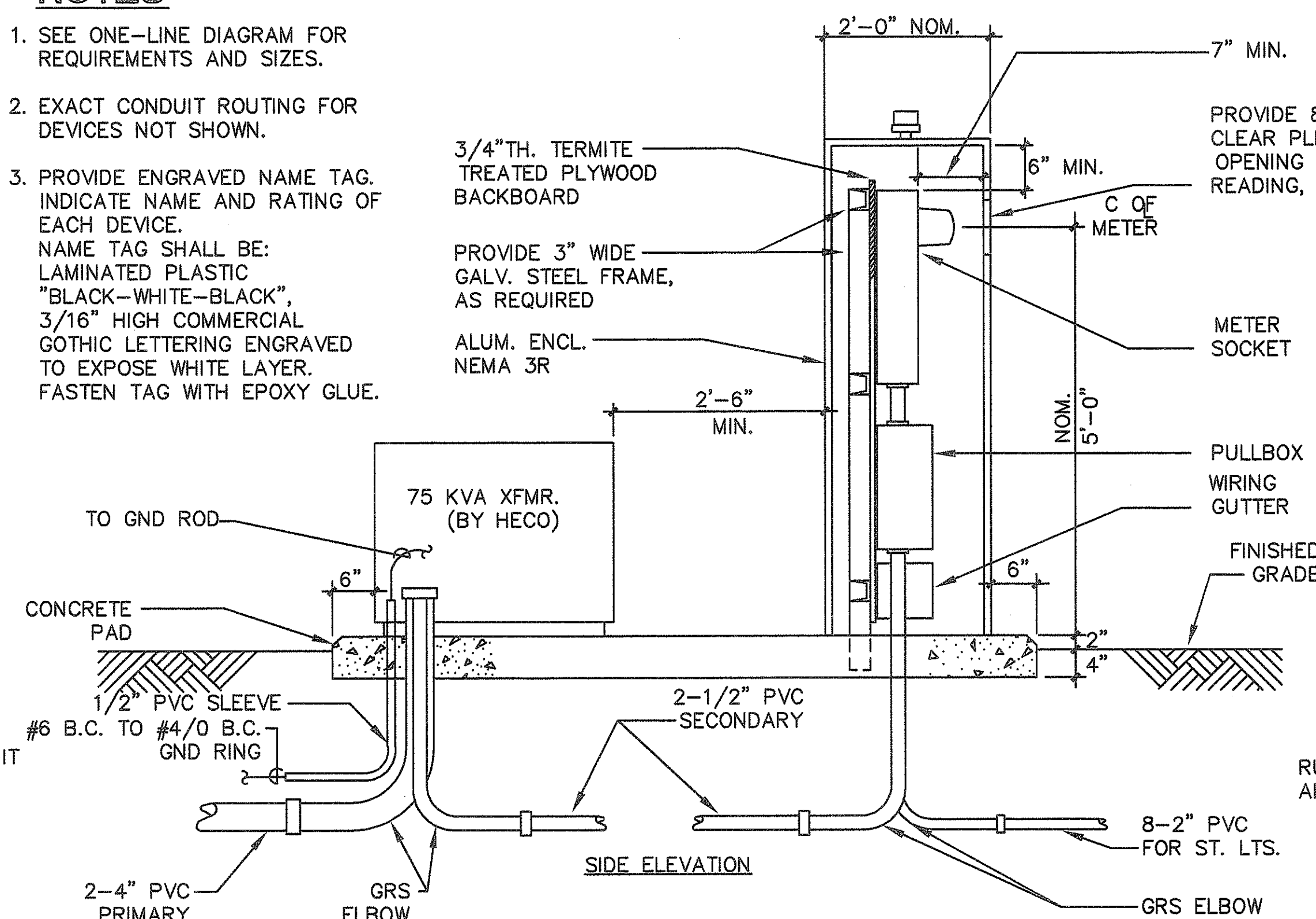
E-17

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	20	38

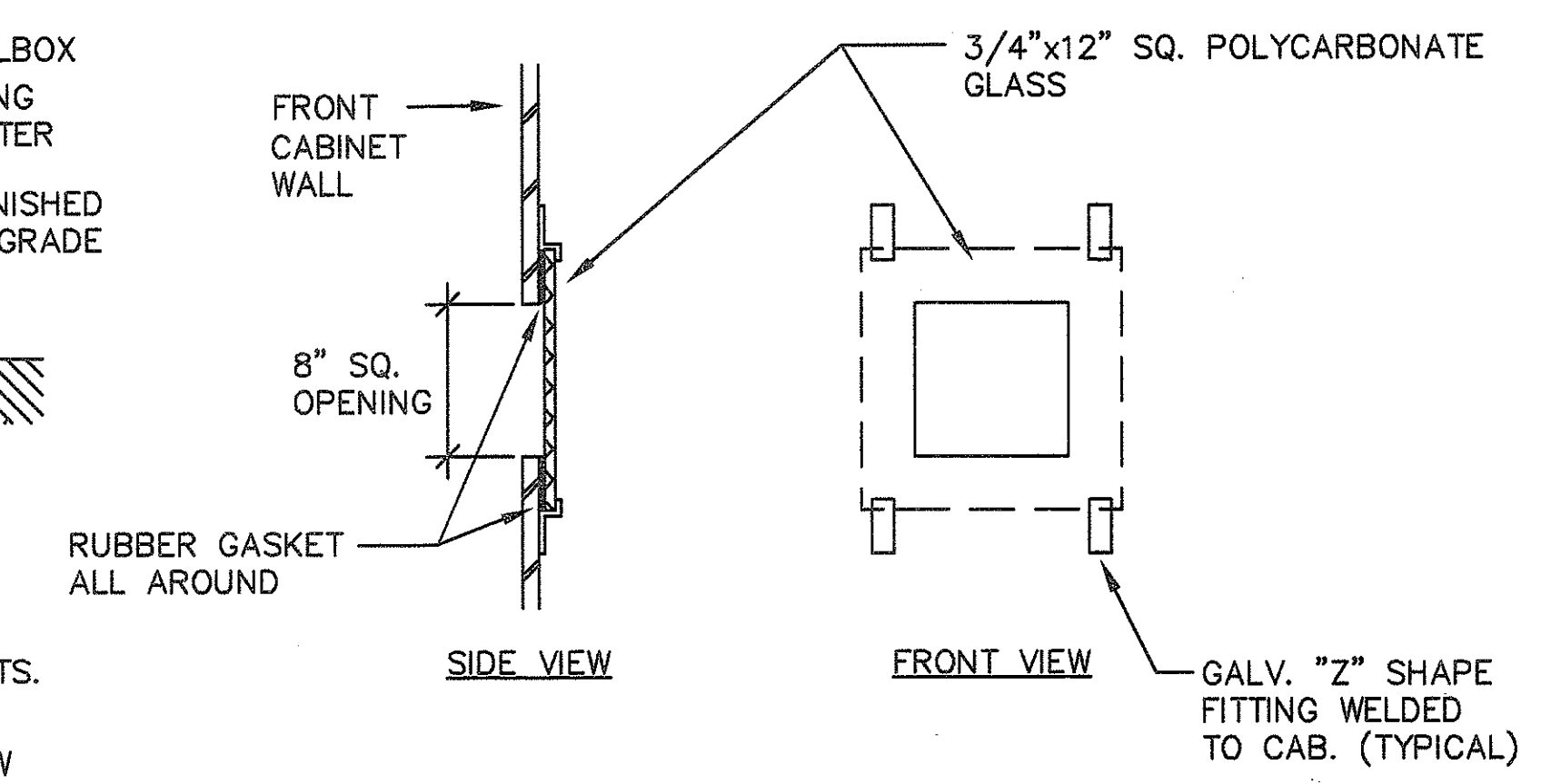


DISTRIBUTION CENTER "C"
NOT TO SCALE

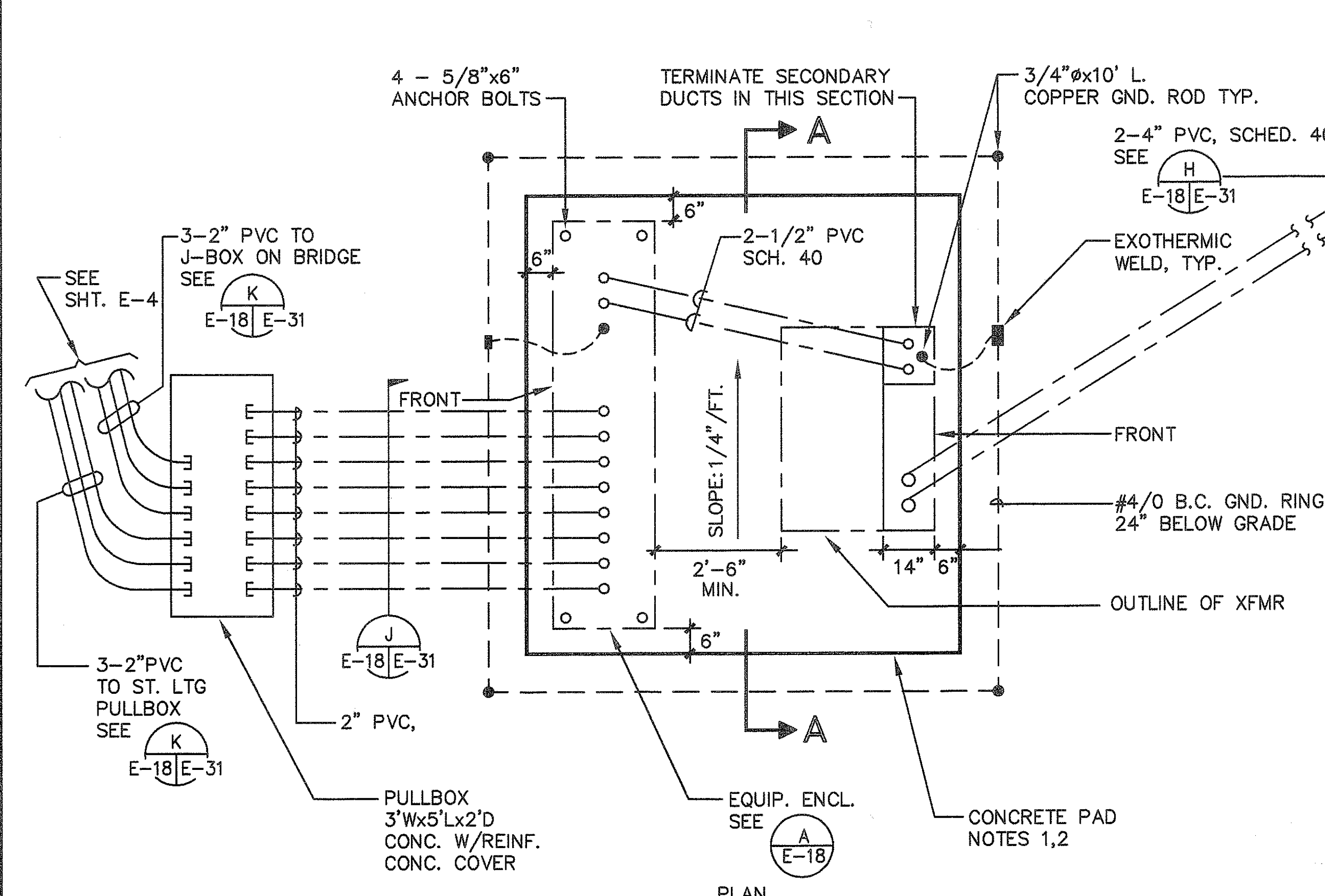
- NOTES:**
- SEE ONE-LINE DIAGRAM FOR REQUIREMENTS AND SIZES.
 - EXACT CONDUIT ROUTING FOR DEVICES NOT SHOWN.
 - PROVIDE ENGRAVED NAME TAG. INDICATE NAME AND RATING OF EACH DEVICE. NAME TAG SHALL BE: LAMINATED PLASTIC "BLACK-WHITE-BLACK", 3/16" HIGH COMMERCIAL GOTHIC LETTERING ENGRAVED TO EXPOSE WHITE LAYER. FASTEN TAG WITH EPOXY GLUE.



DISTRIBUTION CENTER "C"
NOT TO SCALE



METER WINDOW DETAIL
NOT TO SCALE

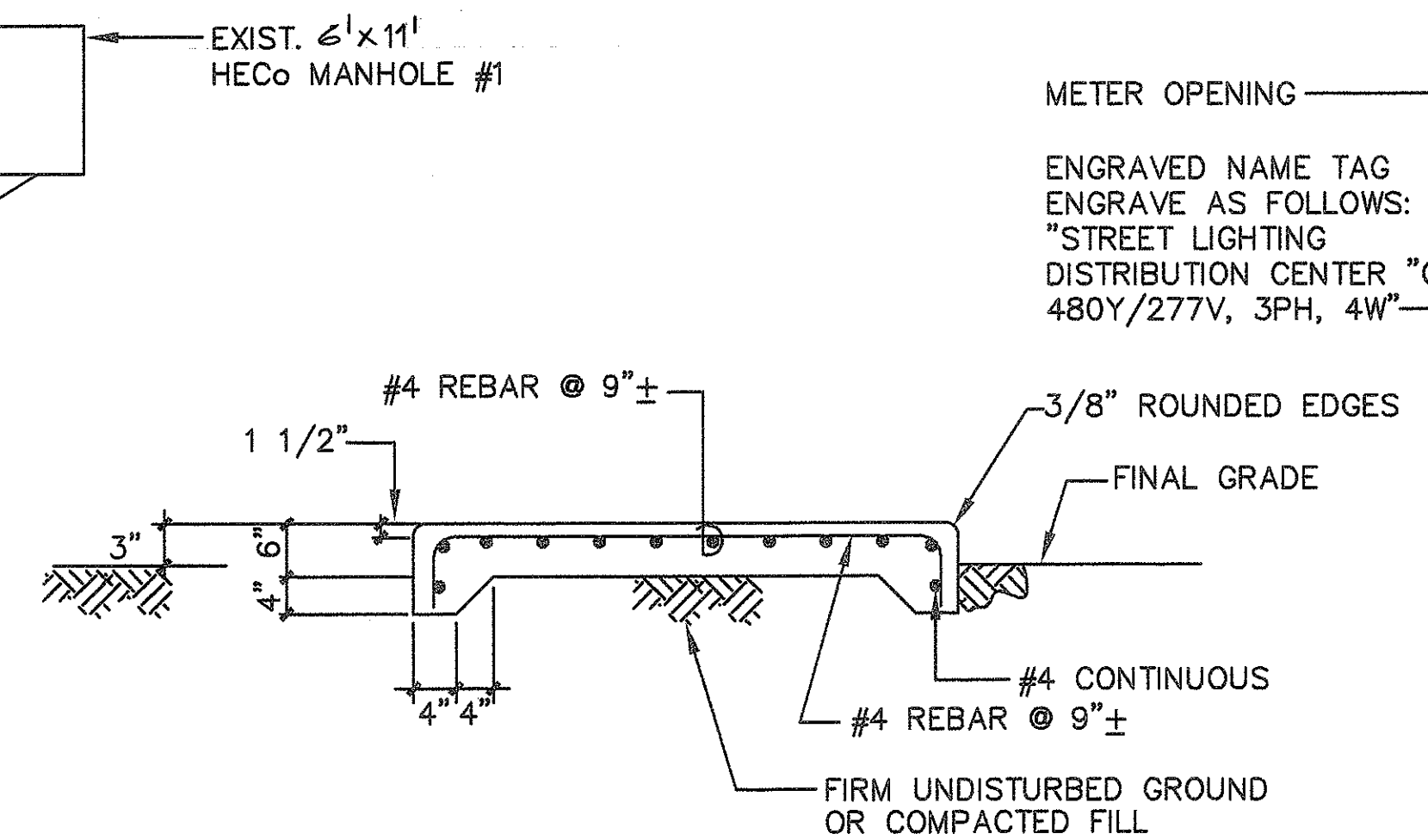


STREET LIGHT TRANS. & EQUIP. ENCL.
NOT TO SCALE

DRAWING REVIEW:
Reviewed for HECO's Facilities Only
Date: 2/11/94 By: [Signature]
Distribution Engineering Department
Hawaiian Electric Company, Inc.
HECO's review of these drawings shall in no way relieve the Customer, its Consultant, its Contractor or anyone acting on Customer's behalf from the responsibility for engineering, design, materials and any liability associated with this project.

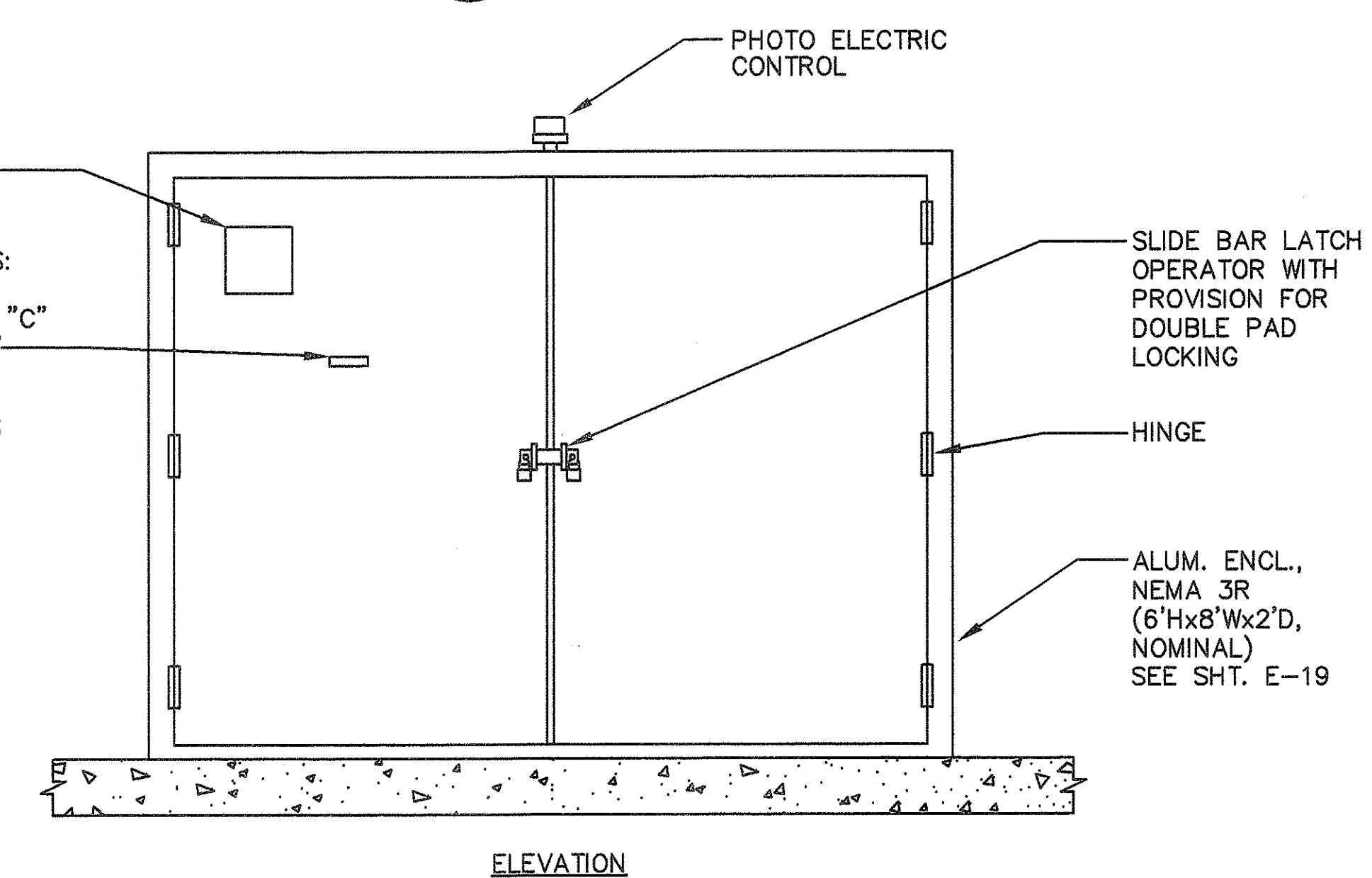
- NOTE:**
- CONCRETE STRENGTH FOR PAD SHALL BE 3,000 P.S.I. IN 28 DAYS

SECTION A-A
NOT TO SCALE

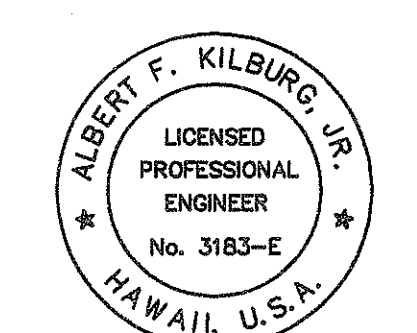


METER OPENING

ENGRAVED NAME TAG ENGRAVE AS FOLLOWS:
"STREET LIGHTING
DISTRIBUTION CENTER "C"
480Y/277V, 3PH, 4W"



EQUIPMENT ENCLOSURE
NOT TO SCALE



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CAD FILE No.: E-18/2

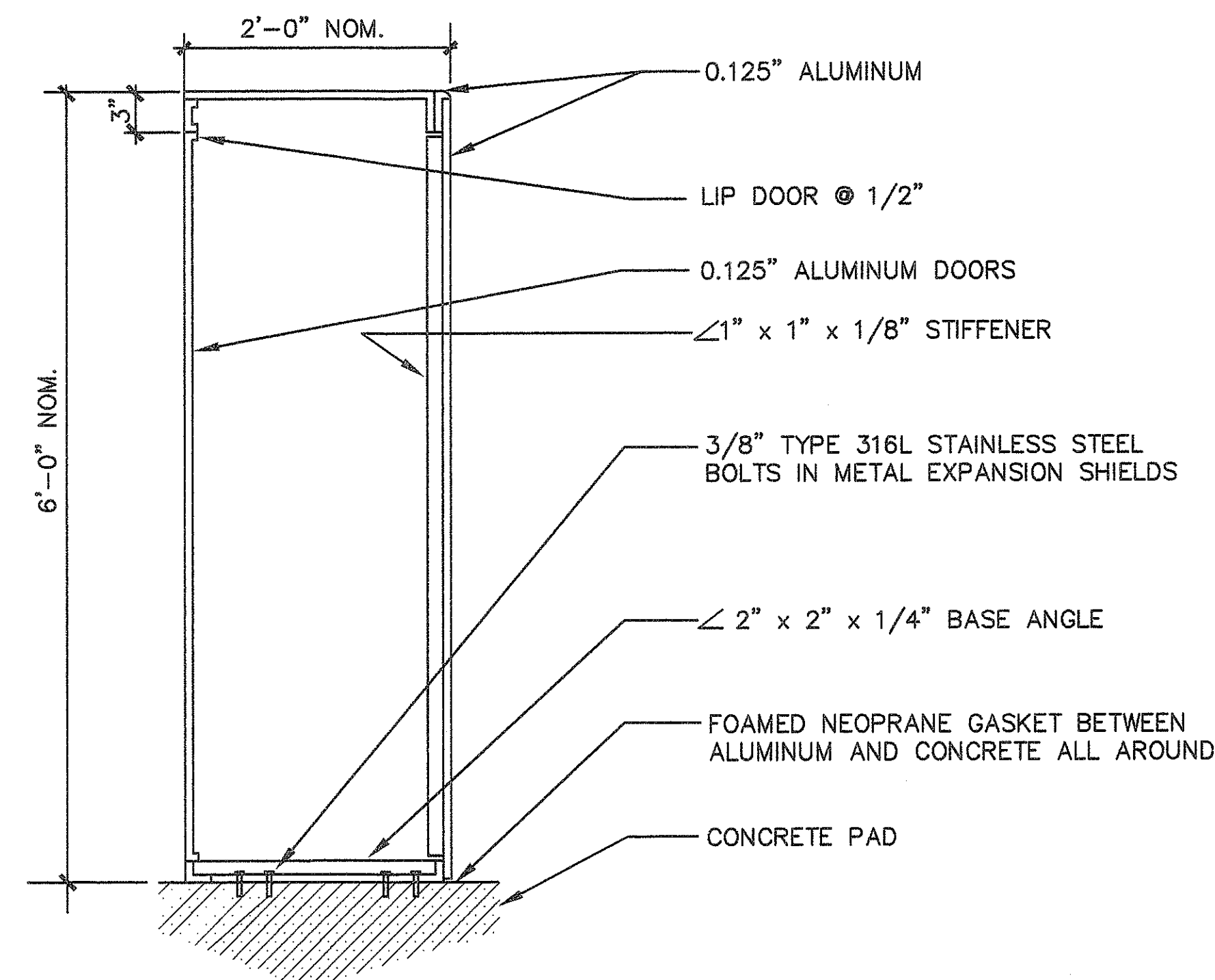
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS DETAILS
DISTRIBUTION CENTER "C"
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED
SHEET No. 5 OF 18 SHEETS

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	IR-H1-1 (213)	1994	21	38

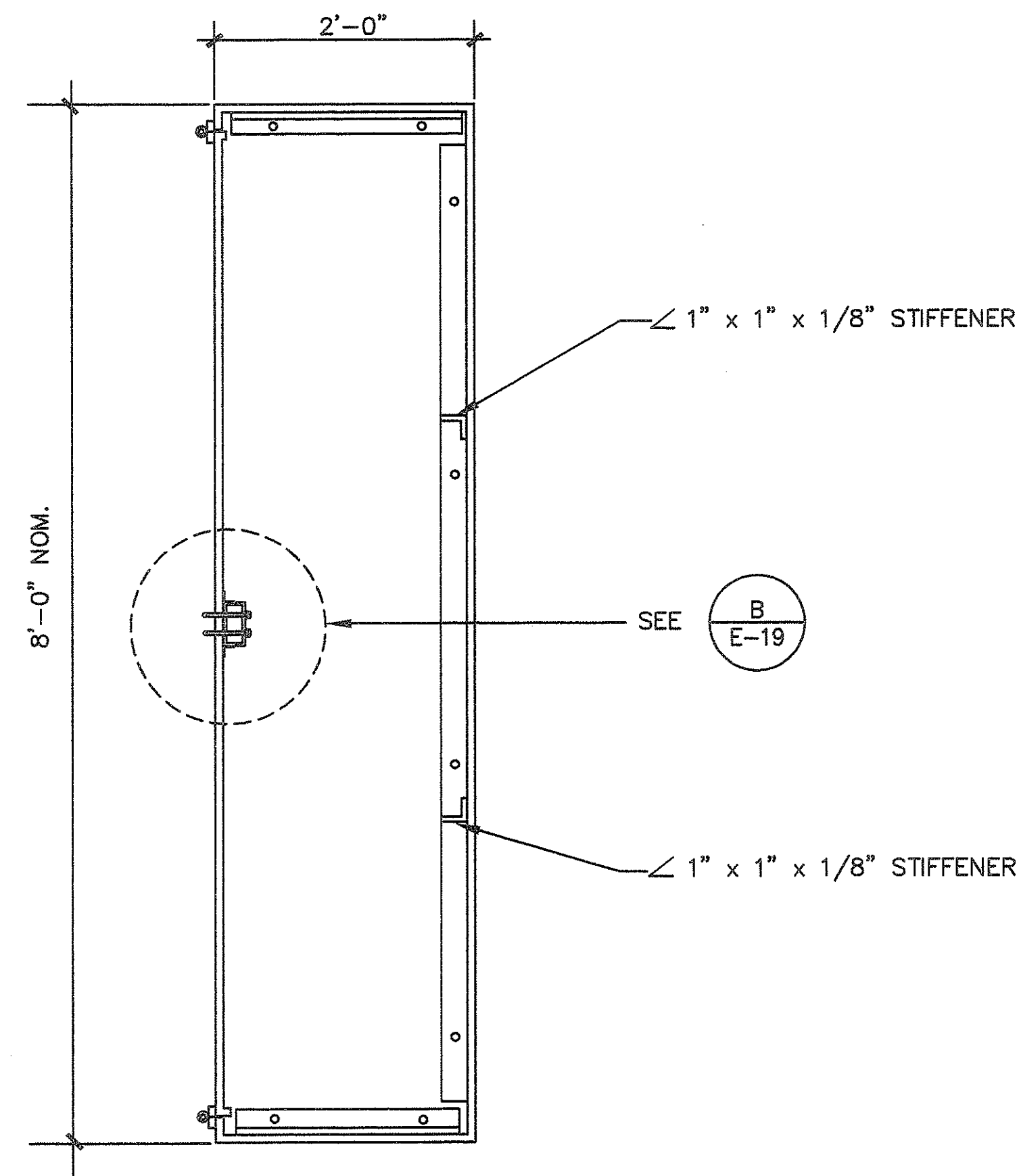
NOTES:

1. CONSTRUCT USING ALUMINUM ALLOY 5052.
SEAL WELD EXTERIOR JOINTS.
PROVIDE GASKETING FOR NEMA 3R CONSTRUCTION.

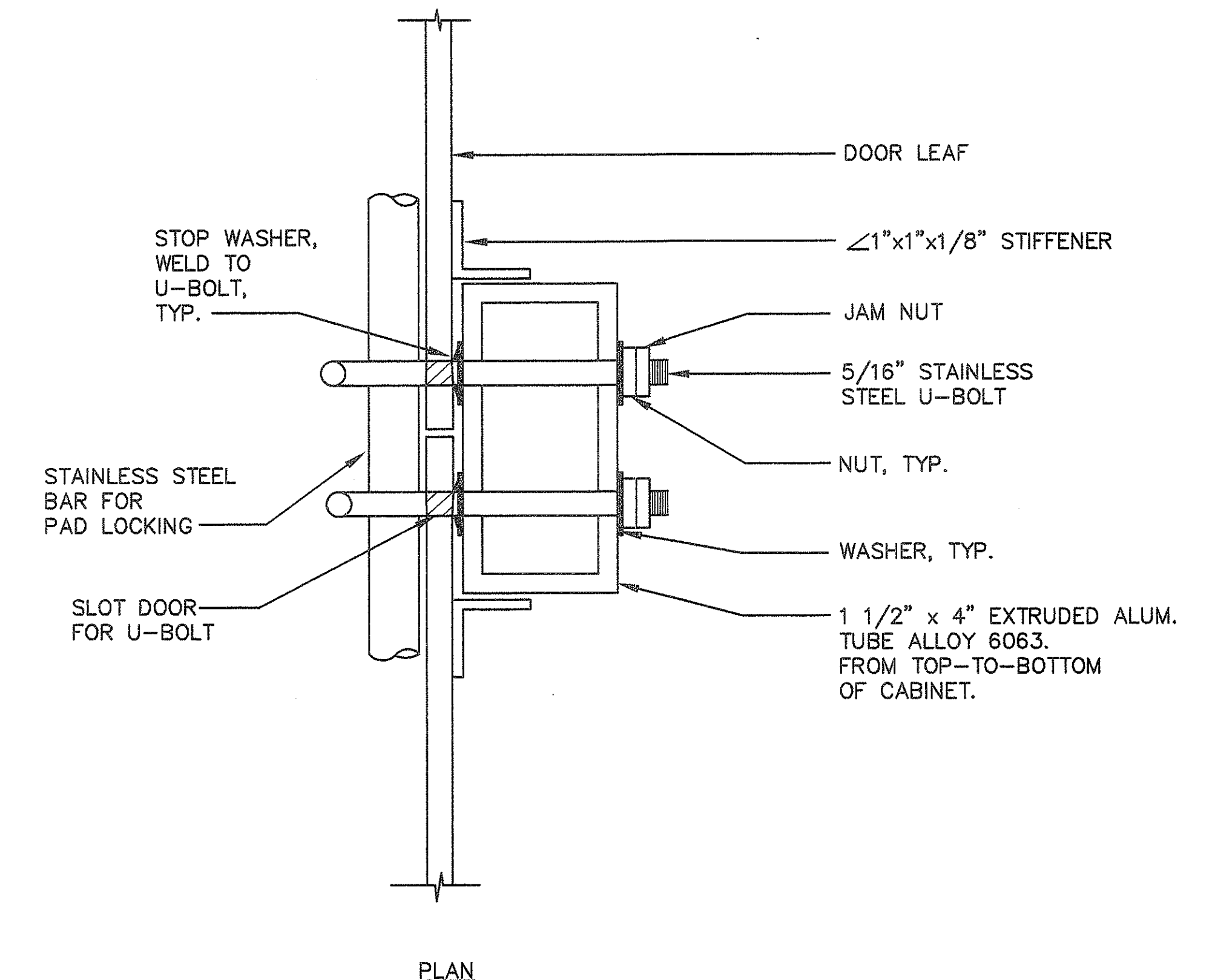


SECTION

EQUIPMENT ENCLOSURE (DIST. CENTER 'C')
NOT TO SCALE

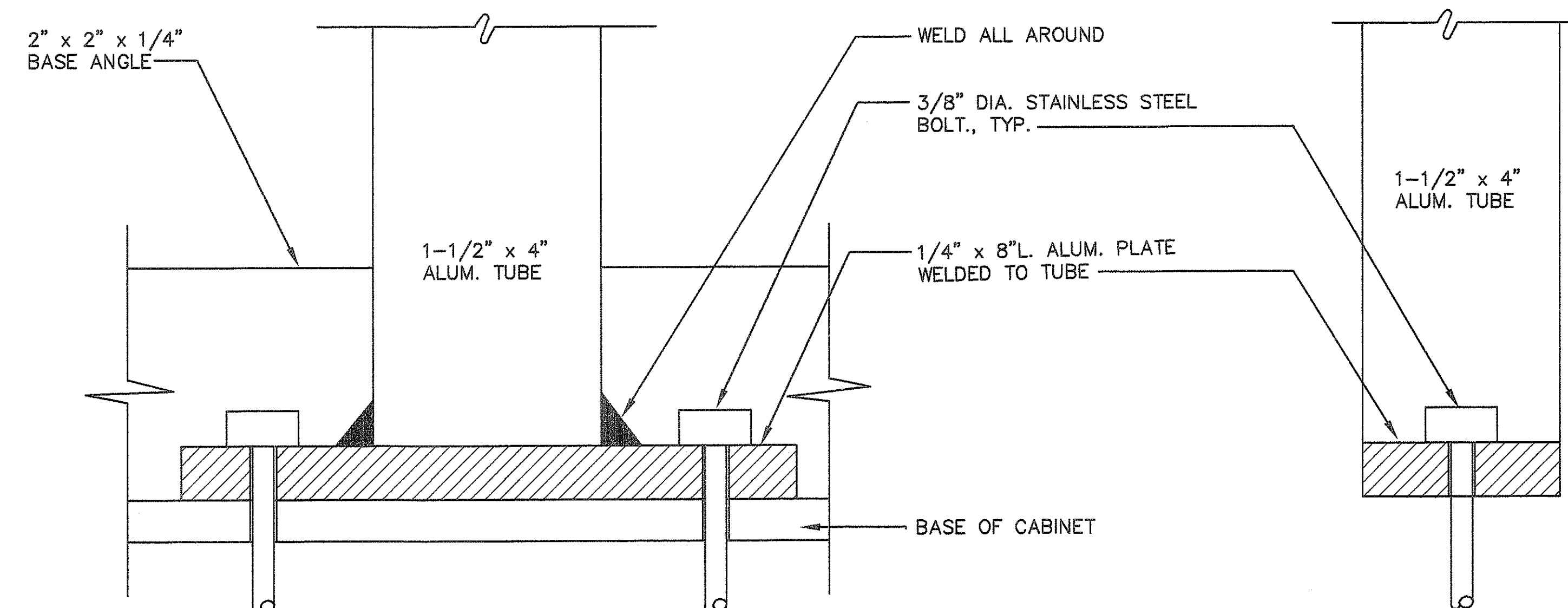


PLAN



PLAN

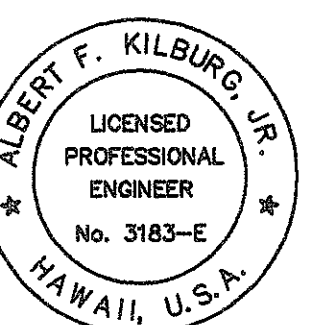
ALUMINUM TUBE SUPPORT
NOT TO SCALE



FRONT ELEVATION

SIDE ELEVATION

ALUMINUM TUBE BASE
NOT TO SCALE



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E-19

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CAD FILE No.: E-19/2

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS DETAILS
DISTRIBUTION CENTER 'C'
INTERSTATE ROUTE H-1
PALAILAI I.C. TO KUNIA I.C.
PROJECT No. IR-H1-1(213)

SCALE: AS NOTED

SHEET No. 6 OF 18 SHEETS