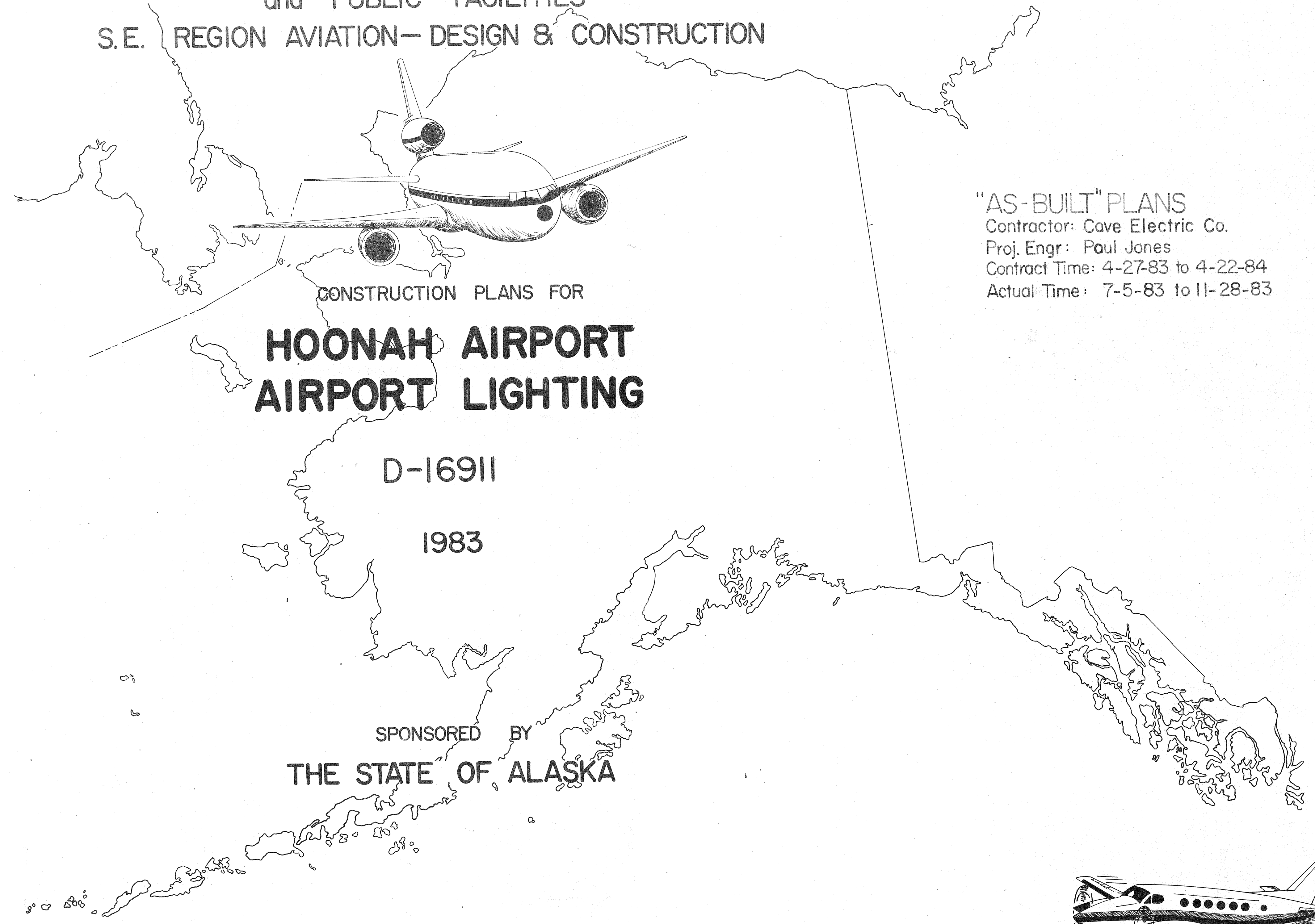


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	1	10

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
and PUBLIC FACILITIES
S.E. REGION AVIATION—DESIGN & CONSTRUCTION

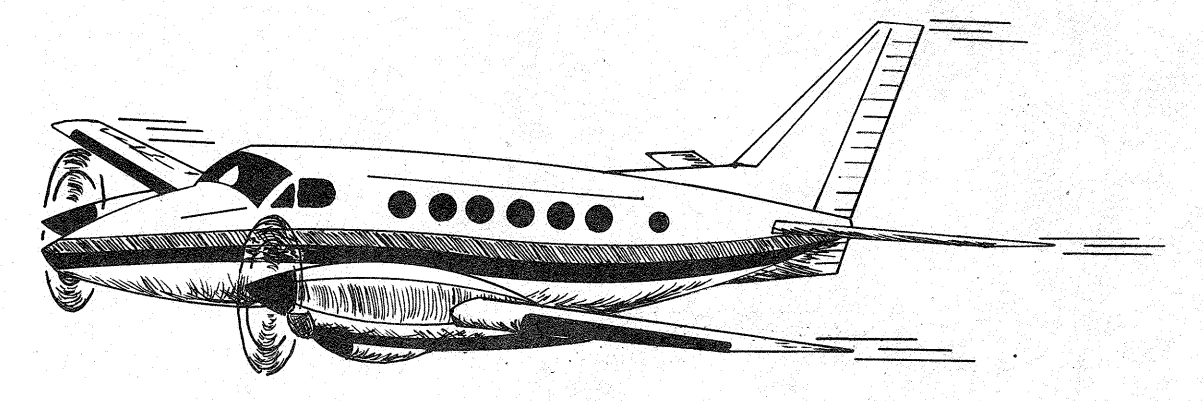
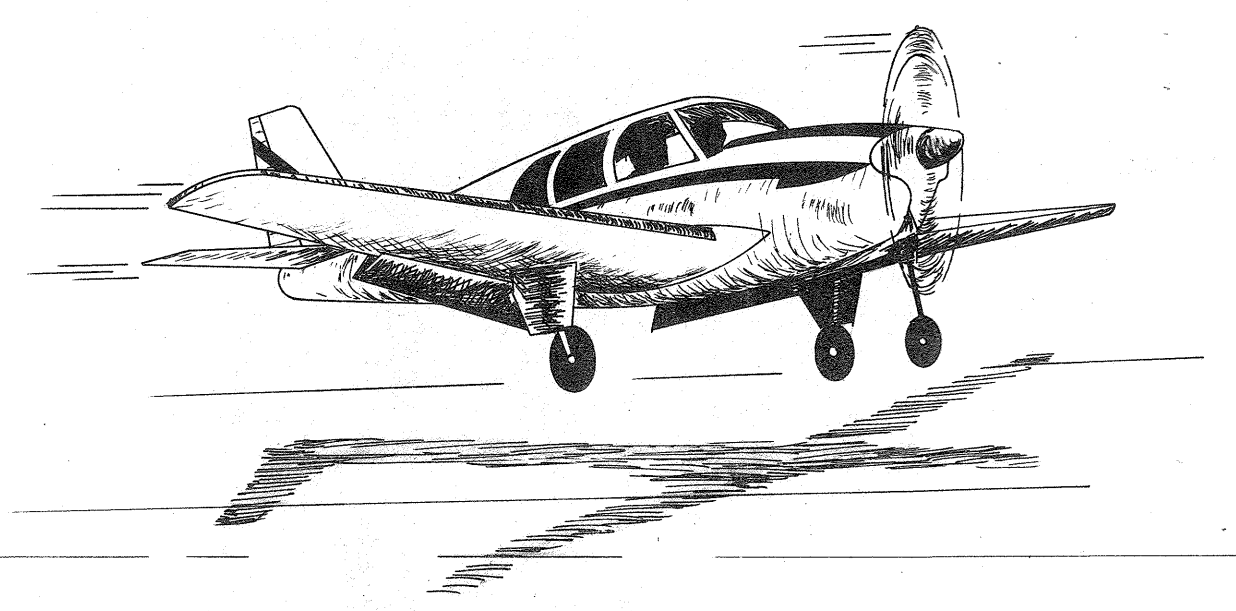


"AS-BUILT" PLANS
Contractor: Cave Electric Co.
Proj. Engr: Paul Jones
Contract Time: 4-27-83 to 4-22-84
Actual Time: 7-5-83 to 11-28-83

CONSTRUCTION PLANS FOR
**HOONAH AIRPORT
AIRPORT LIGHTING**

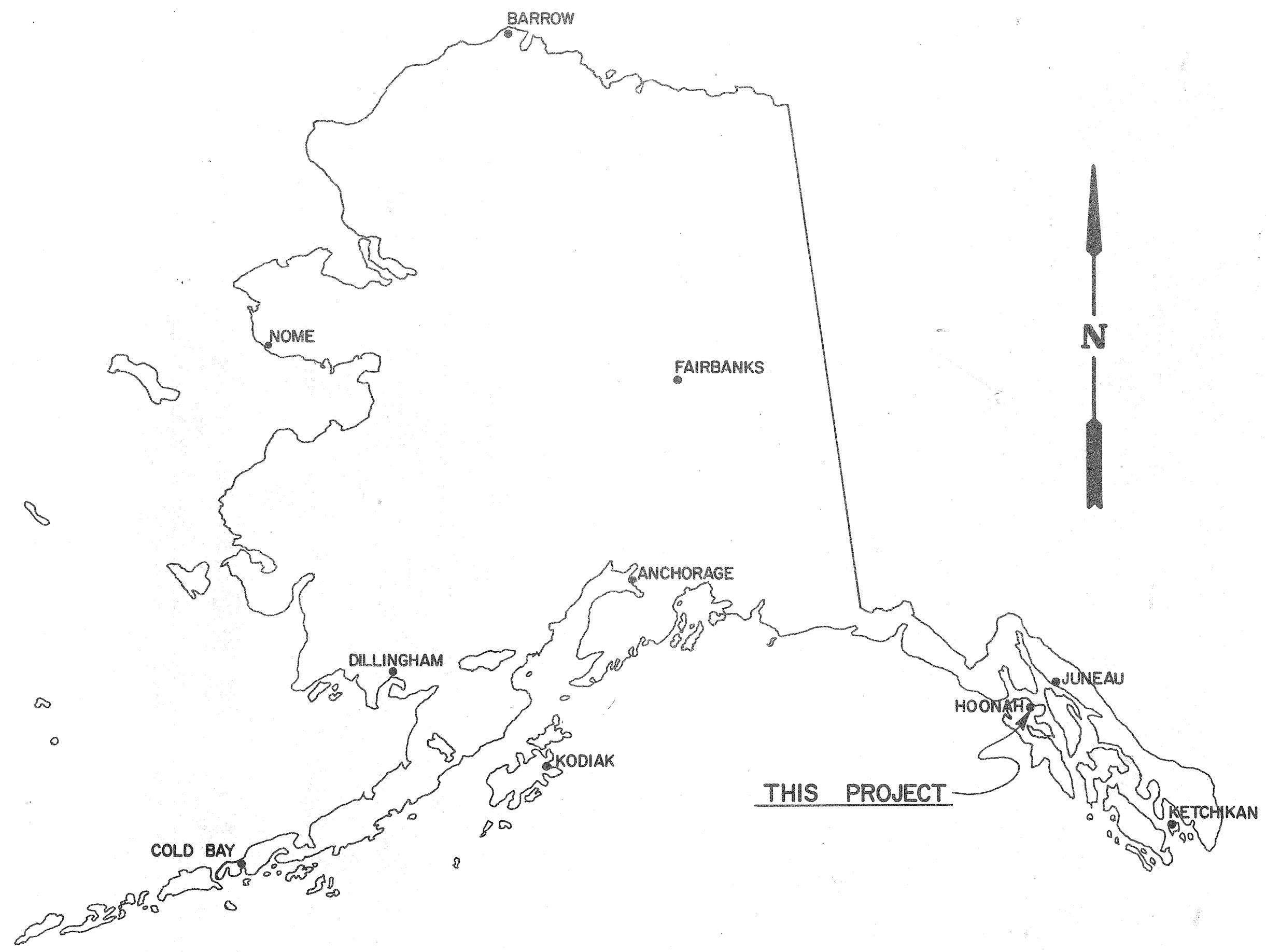
D-16911
1983

SPONSORED BY
THE STATE OF ALASKA

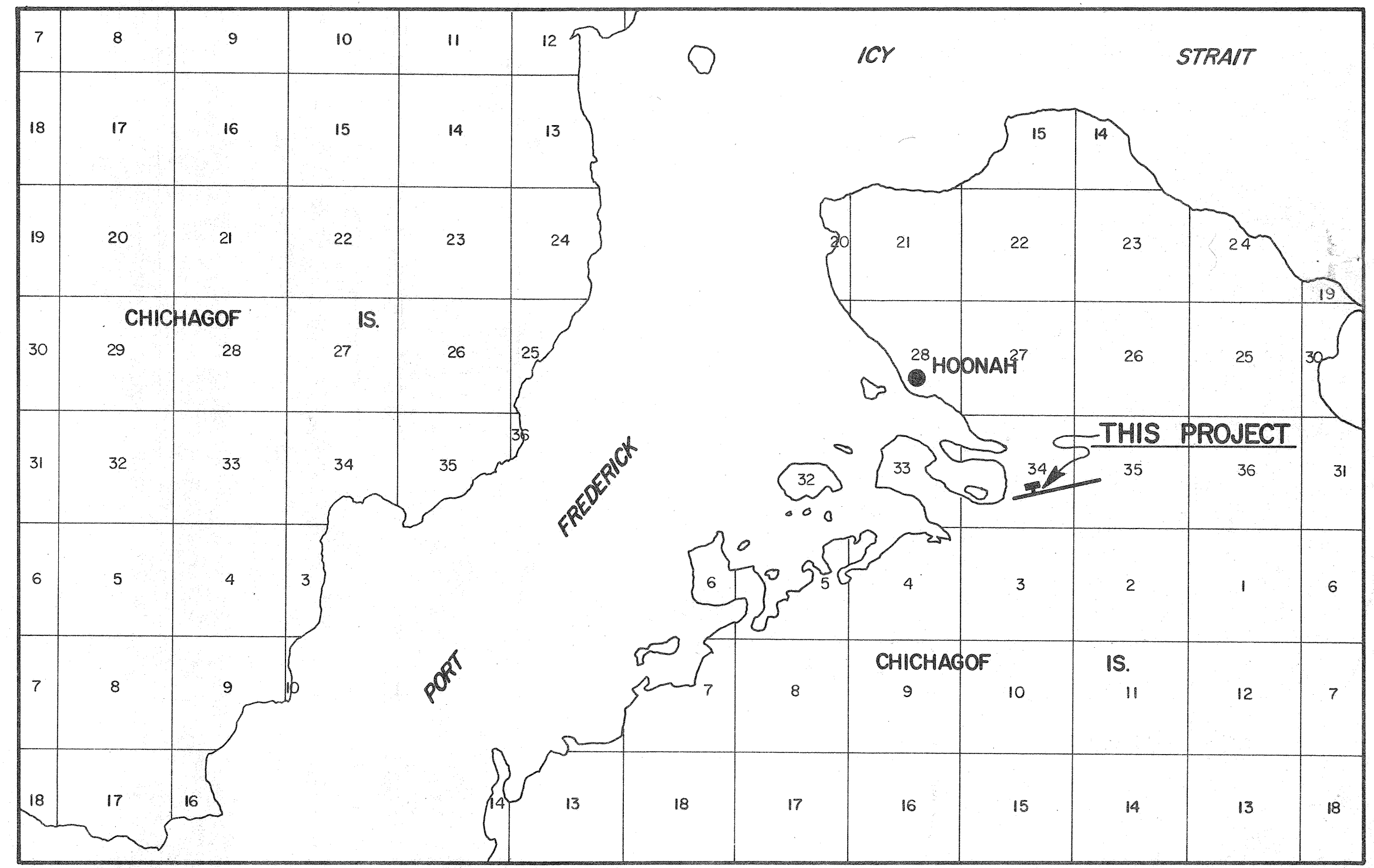


APPROVED
Charles S. Matlock
CHARLES S. MATLOCK, DIRECTOR, S.E. REGION DESIGN & CONSTRUCTION
DATE *February 2, 1983*

APPROVED
Wallace K. Williams
WALLACE K. WILLIAMS, CHIEF, S.E. REGION HIGHWAY & AVIATION DESIGN & CONSTRUCTION
DATE *2/2/83*



LOCATION MAP



VICINITY MAP

SCALE: 1" = 1 MILE

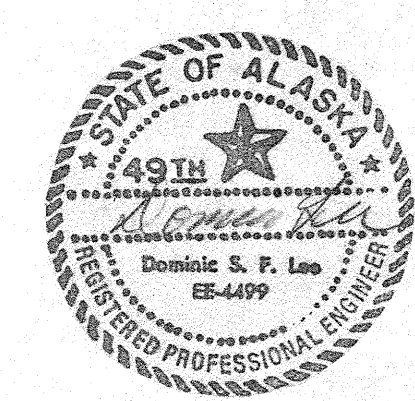
ESTIMATED QUANTITIES

ITEM NO.	ITEM	QUANTITY	UNIT
100	MOBILIZATION; DEMOBILIZATION ENGINEERS VEHICLE	ALL REQ'D	LUMP SUM
125		1	EACH
1000c	NEW REMOTE CONTROL PANEL, L-821	1	EACH
1000g	NEW HANDHOLE, L-857	12	EACH
1000j	2-INCH PVC CONDUIT	3200	LIN. FT.
1000k	UNDERGROUND CABLE, #8 AWG, 5 KV, TYPE 'C', L-824	7800	LIN. FT.
1000l	#6 BARE GROUND WIRE	4500	LIN. FT.
1000m	MULTICONDUCTOR CONTROL CABLE	400	LIN. FT.
1000o	UNDERGROUND CABLE, 5000 V, L-824	4500	LIN. FT.
1000p	GROUND RODS	12	EACH
1000q	2-INCH FIBERGLASS-REINFORCED CONDUIT	1530	LIN. FT.
1000r	3-INCH FIBERGLASS-REINFORCED CONDUIT	340	LIN. FT.
1000s	RADIO CONTROLLER, L-854	1	EACH
1000t	NEW UNDERGROUND SERVICE BOXES	3	EACH
1010	8 FT. LIGHTED WINDCONE	1	EACH
1025	OMNIDIRECTIONAL R.E.I.L., L-859	2	PAIR
1040	ELECTRICAL WORK- STRUCTURES	ONE JOB	LUMP SUM
1060	V.A.S.I.-2, L-851	2	PAIR
1600a	POWER DISTRIBUTION ADDITION	ONE JOB	LUMP SUM
1600b	URD CABLE 15 KV	750	LIN. FT.
1600c	UNDERGROUND VAULTS	3	EACH
1600d	25 KVA 7200V TRANSFORMER W/BASE	ONE JOB	LUMP SUM
1600e	UTILITY MARKER TAPE	750	LIN. FT.
1600f	CABLE MARKERS	6	EACH
1600g	LOAD BREAKS	2	EACH
1600f(1)	CABLE MARKERS (C.O. 1)	6	EACH
1000i	2" RIGID STEEL CONDUIT (C.O.2)	1523	LIN. FT.
1000j	2" P.V.C. CONDUIT (C.O.3)	300	LIN. FT.
1000v	3" RIGID STEEL CONDUIT (C.O.4)	307	LIN. FT.
1060(1)	VASI VAULT DRAINAGE (C.O.5)	ALL REQ'D	LUMP SUM
1700	ELECTRIC HEATER	ALL REQ'D	LUMP SUM

INDEX

SHEET NO.	DESCRIPTION
1	COVER SHEET
1a	LOCATION AND VICINITY MAPS, INDEX AND ESTIMATED QUANTITIES
2	LIGHTING PLAN
3	LIGHTING DETAILS
4	LIGHTING DETAILS - V.A.S.I.
5	EQUIPMENT SHELTER
6	EQUIPMENT SHELTER - ONE LINE DIAGRAM
7	ELECTRICAL DETAIL - CONTROL
8	ELECTRICAL DETAILS
9	ELECTRICAL DETAILS

PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
D-16911	1983	2	10



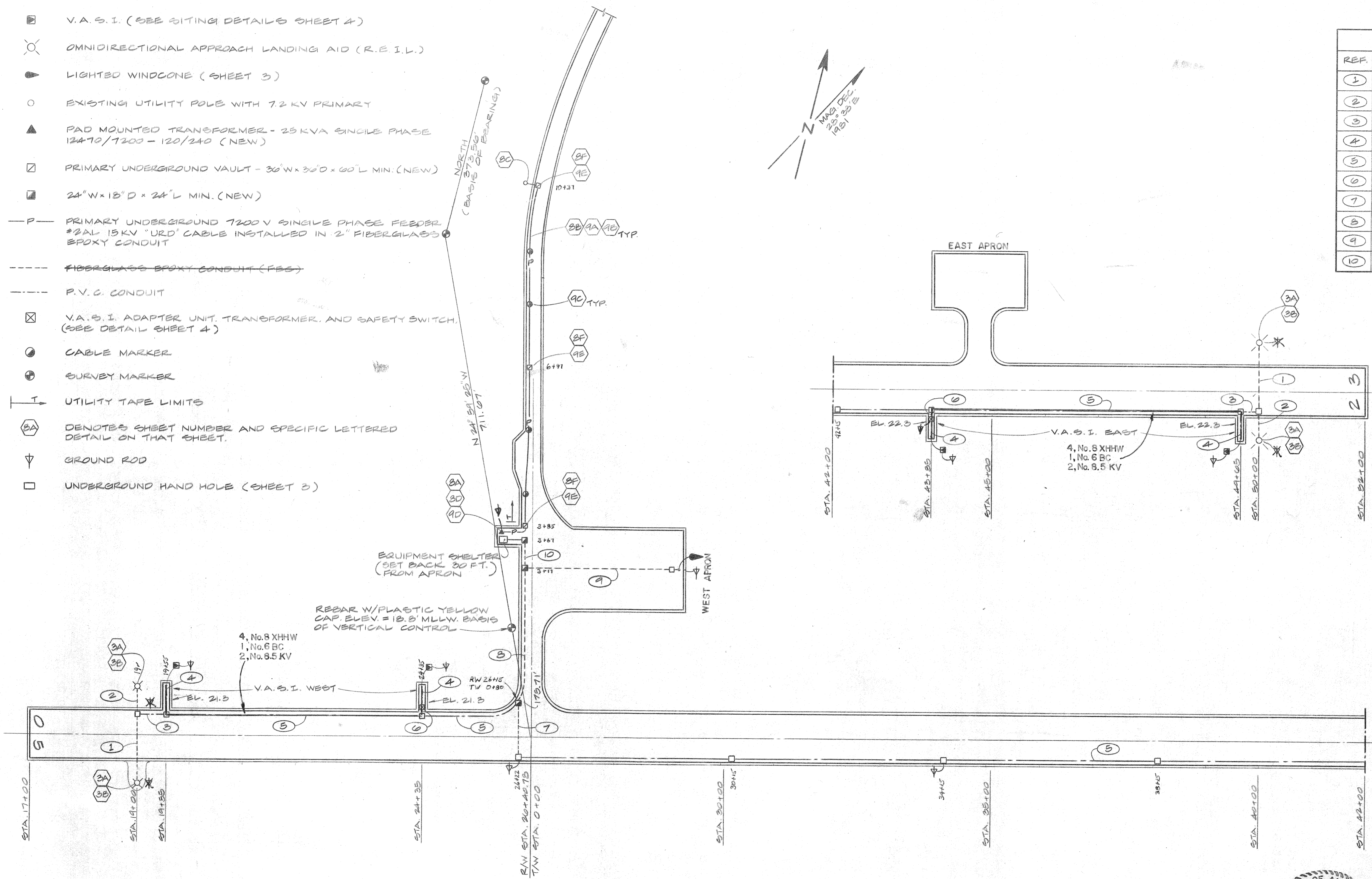
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
HOONAH AIRPORT
D-16911
LOCATION AND VICINITY MAPS, INDEX, & ESTIMATED QUANTITIES

APPROVED	<i>William A. Locher</i>	S.E. REGION AVIATION DESIGN ENGINEER
APPROVED	<i>William L. Baumgartner</i>	S.E. REGION DESIGN ENGINEER
BY	DATE	CHANGE
TWM	1-14-83	Added Engineers Vehicle, Changed Est. of Quantities to match Specs.
SCALE	NONE	CHECKED <i>D.L.</i> DATE 1/7/82
REVISIONS		SHEET 1 OF 9

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	3	10

LEGEND

- V.A.S.I. (SEE SITING DETAILS SHEET 4)
- ⊗ OMNIDIRECTIONAL APPROACH LANDING AID (R.E.I.L.)
- ▲ LIGHTED WINDCONE (SHEET 3)
- EXISTING UTILITY POLE WITH 7.2 KV PRIMARY
- ▲ PAD MOUNTED TRANSFORMER - 25 KVA SINGLE PHASE 12470/7200 - 120/240 (NEW)
- ▣ PRIMARY UNDERGROUND VAULT - 30'W x 30'D x 60'L MIN. (NEW)
- 24'W x 18'D x 24'L MIN. (NEW)
- P- PRIMARY UNDERGROUND 7200 V SINGLE PHASE FEEDER #2AL 15KV "URD" CABLE INSTALLED IN 2" FIBERGLASS EPOXY CONDUIT
- - - FIBERGLASS EPOXY CONDUIT (FES)
- - - P.V.C. CONDUIT
- ⊗ V.A.S.I. ADAPTER UNIT, TRANSFORMER, AND SAFETY SWITCH. (SEE DETAIL SHEET 4)
- CABLE MARKER
- ⊕ SURVEY MARKER
- UTILITY TAPES LIMITS
- ⊗ DENOTES SHEET NUMBER AND SPECIFIC LETTERED DETAIL ON THAT SHEET.
- ▽ GROUND ROD
- UNDERGROUND HAND HOLE (SHEET 3)

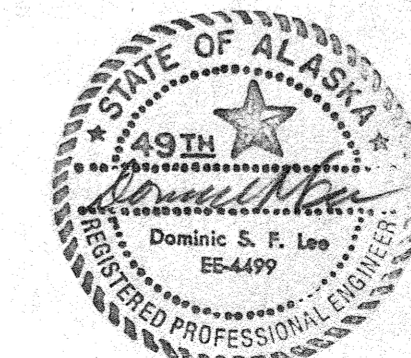
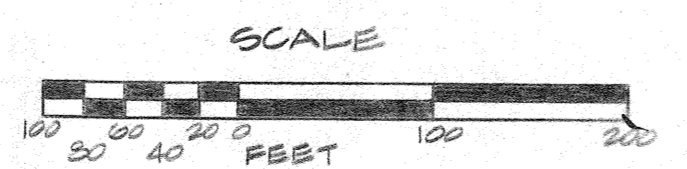


WIRING SCHEDULE

REF.	CONDUCTOR SCHEDULE	CONDUIT SCHEDULE
1	2-#8 XHHW, 1-#6B.C., 1-MULTICONDUCTOR (5)	2" FES 2" RSC
2	4-#8 XHHW, 1-#6B.C., 1-MULTICONDUCTOR (5)	2" FES 2" RSC
3	2-#8 XHHW, 1-#6B.C.	2" P.V.C.
4	4-#8 5KV, 1-#6B.C.	2" P.V.C.
5	4-#8 XHHW, 1-#6B.C., 2-#8 5KV	2" P.V.C.
6	4-#8 5KV, 1-#6B.C.	2" FES 3" RSC
7	2-#8 XHHW, 1-#6B.C., 2-#8 5KV	2" P.V.C.
8	4-#8 XHHW, 1-#6B.C., 4-#8 5KV	2" FES 3" RSC
9	2-#8 XHHW, 1-#6B.C.	2" FES 3" RSC
10	0-#8 XHHW, 1-#6B.C., 4-#8 5KV	2" FES 3" RSC

RSC= RIGID STEEL CONDUIT

GENERAL NOTES
 1. PVC CONDUIT SHALL BE TYPE DB.

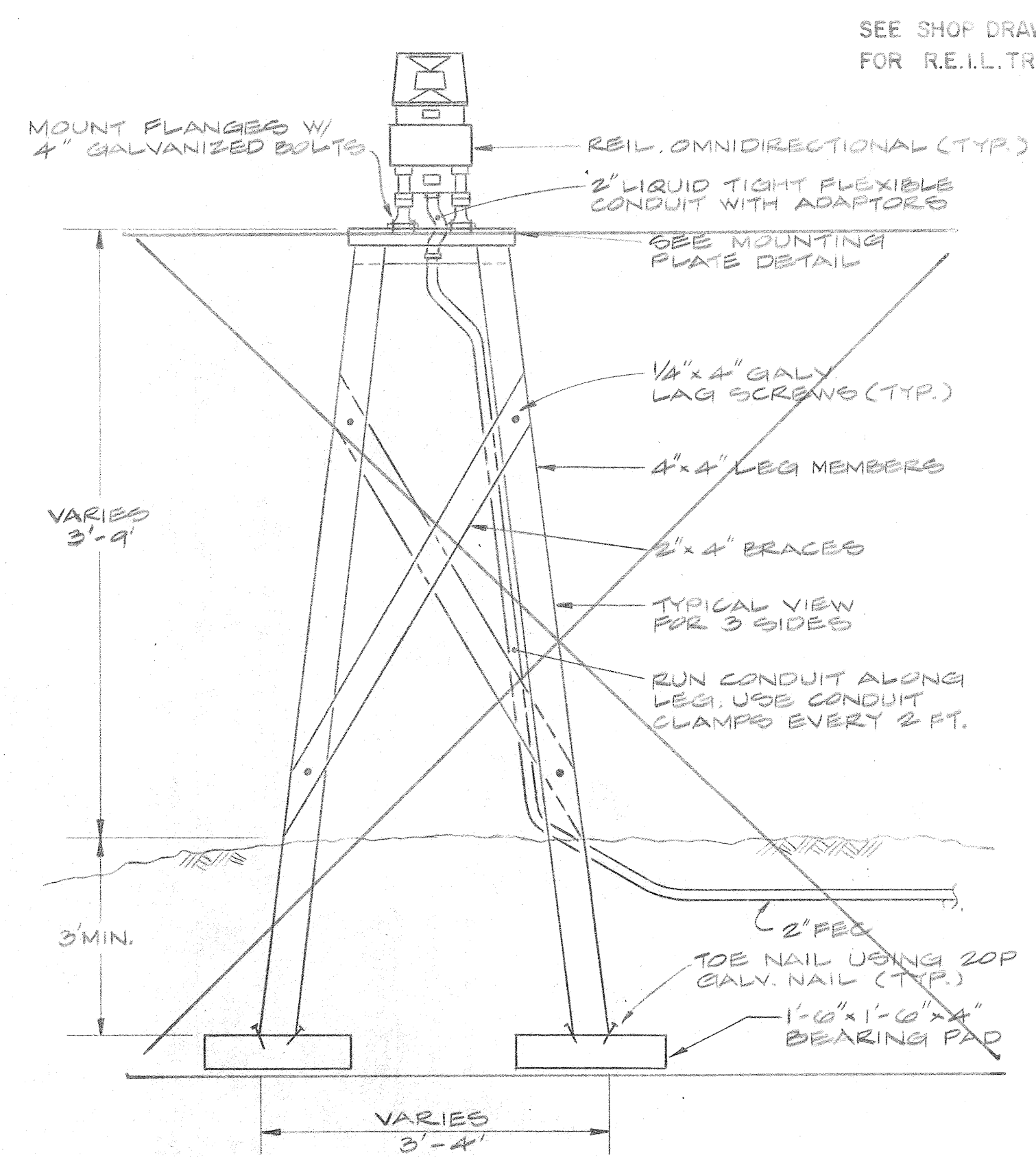


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

**HOONAH AIRPORT
 LIGHTING PLAN**

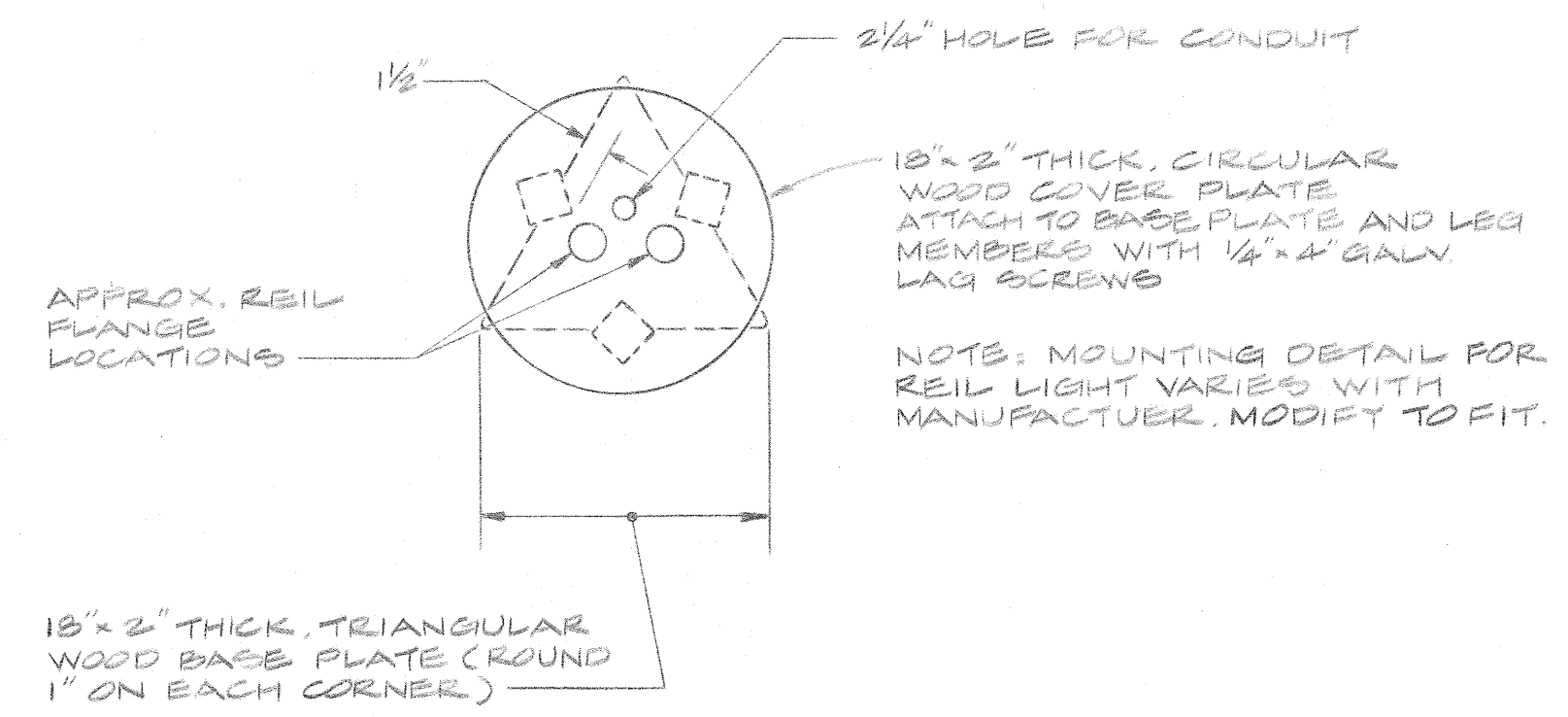
APPROVED BY: <i>William A. Locher</i>		S.E. REGION AVIATION DESIGN ENGINEER	
APPROVED BY: <i>William L. Baumgartner</i>		S.E. REGION DESIGN ENGINEER	
TWM	1-14-83	Added General Notes	
BY	DATE	CHANGE	SCALE: AS SHOWN
DESIGNED: F.M.		DRAWN: D.F.	CHECKED: D.L.
DATE: 1/7/83		SHEET 2 OF 9	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	4	10



REIL TRIPOD STAND

SEE SHOP DRAWINGS FOR R.E.I.L. TRIPOD DETAILS

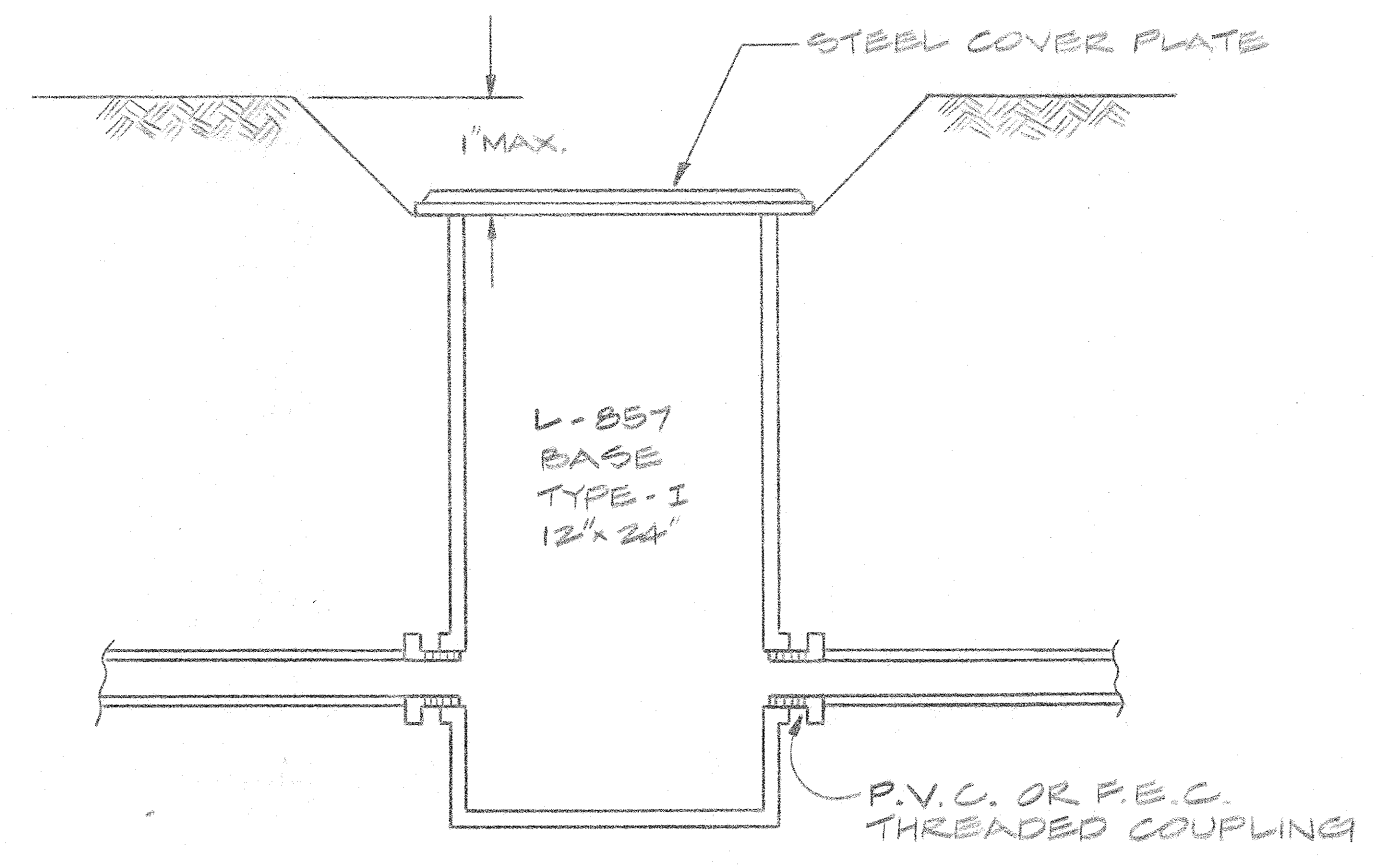


MOUNTING PLATE DETAIL

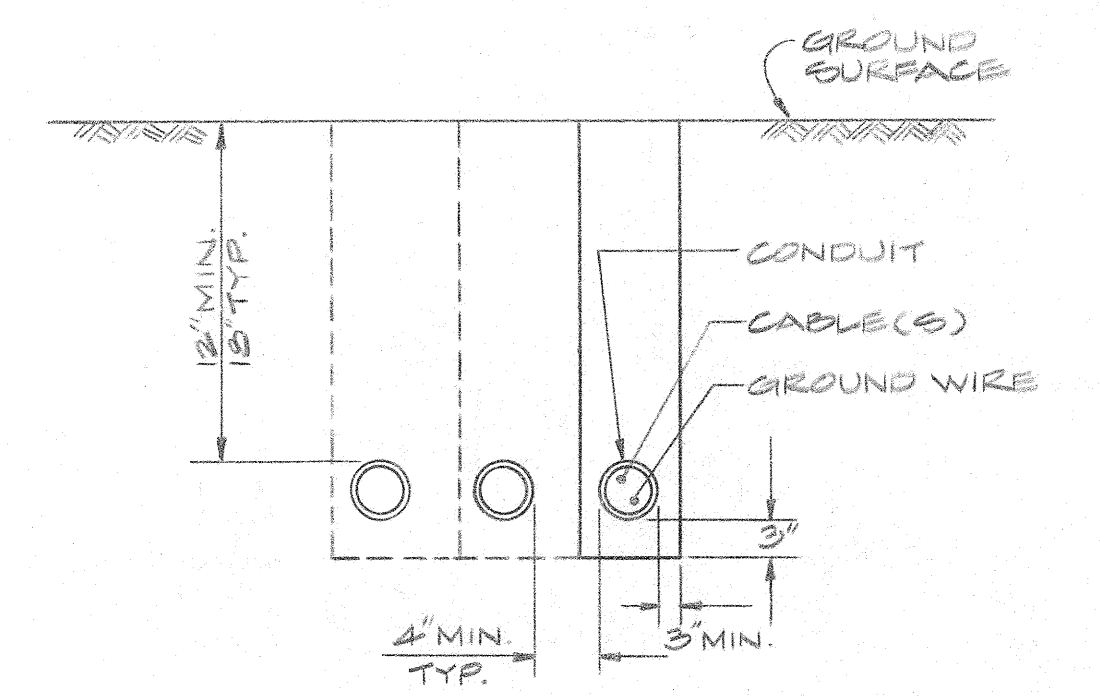
REIL SITING DETAILS					
RUNWAY	POSITION	STATION	REIL ELEV.	GROUND ELEV.	OFFSET FROM C.
5	LEFT	19+00	22.0'	~14.0'	90.0
5	RIGHT	19+00	22.0'	~13.3'	90.0
23	LEFT	50+00	24.0'	~19.5'	90.0
23	RIGHT	50+00	24.0'	~20.1'	90.0

REIL GENERAL NOTES:

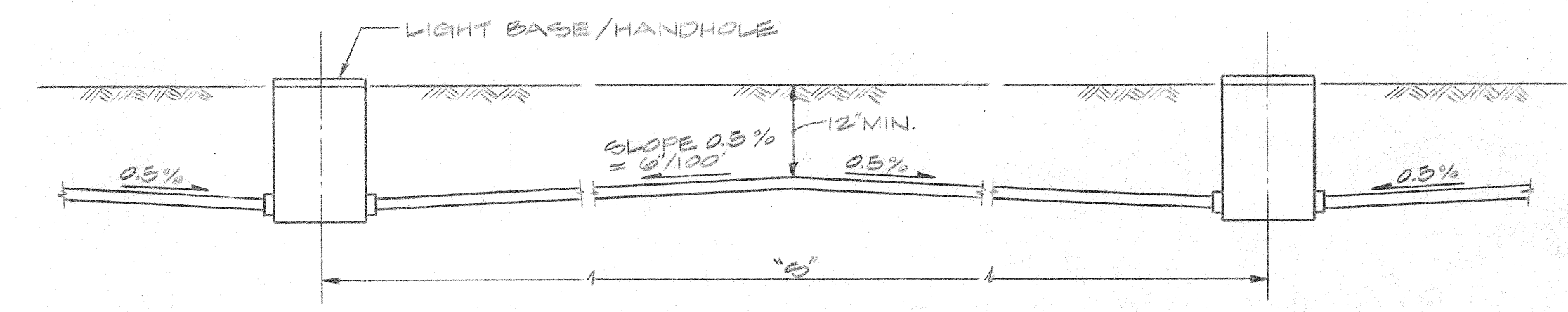
1. USE CREOSOTE BASE PRESERVATIVE ON ALL WOOD. CREOSOTE PRESERVATIVE SHALL HAVE 20 LB/CUBIC FOOT RETENTION.
2. IN CASES WHERE WOOD MAY SPLIT (AS IN TOENAILING), PRE-DRILL ALL HOLES.
3. APPROVED EQUAL STANDS MAY BE USED. SUBJECT TO APPROVAL BY THE ENGINEER.



HANDHOLE DETAIL
TYPICAL

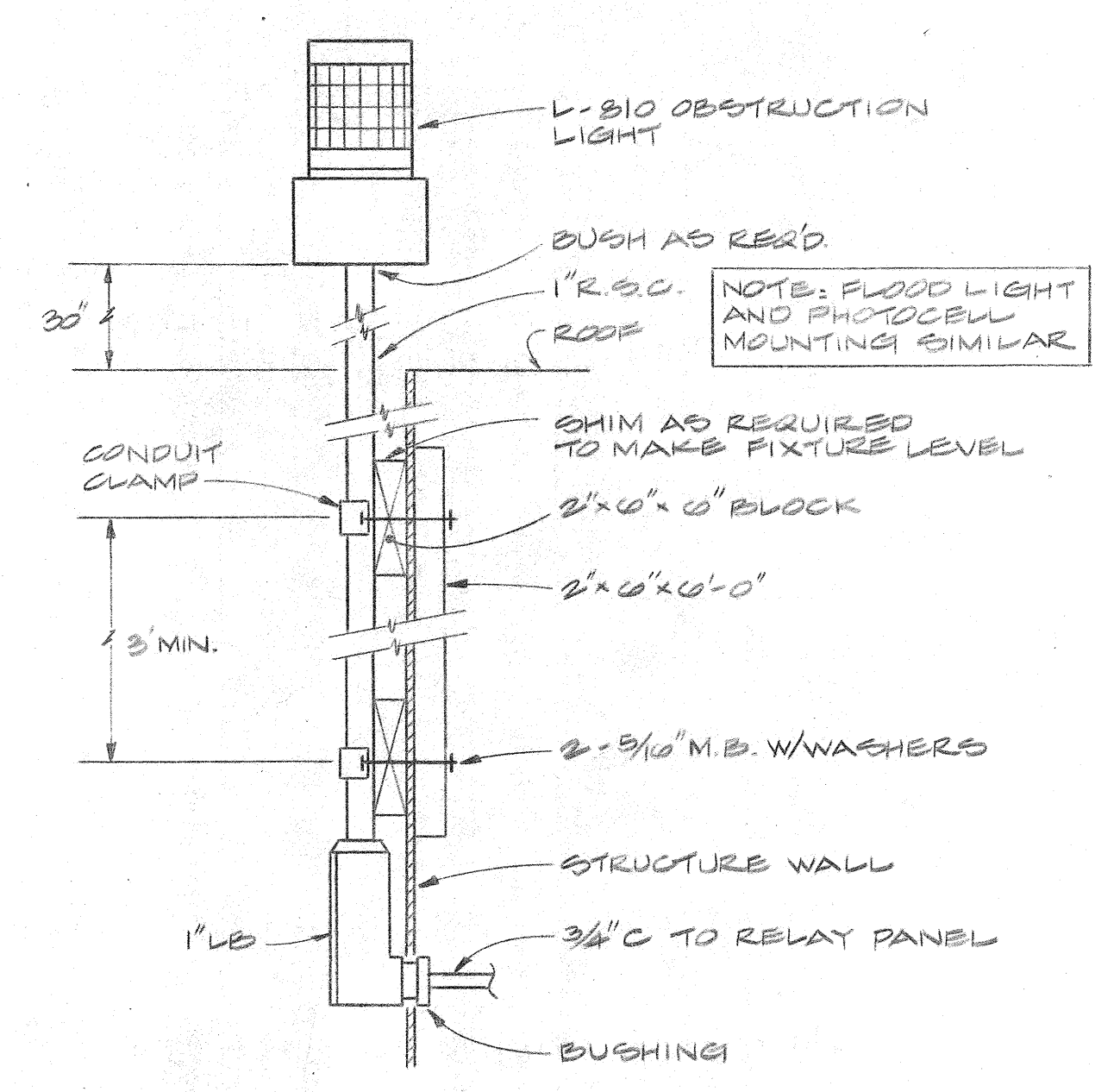


U.G. CONDUITS DETAIL
RUNWAY CIRCUITS ONLY

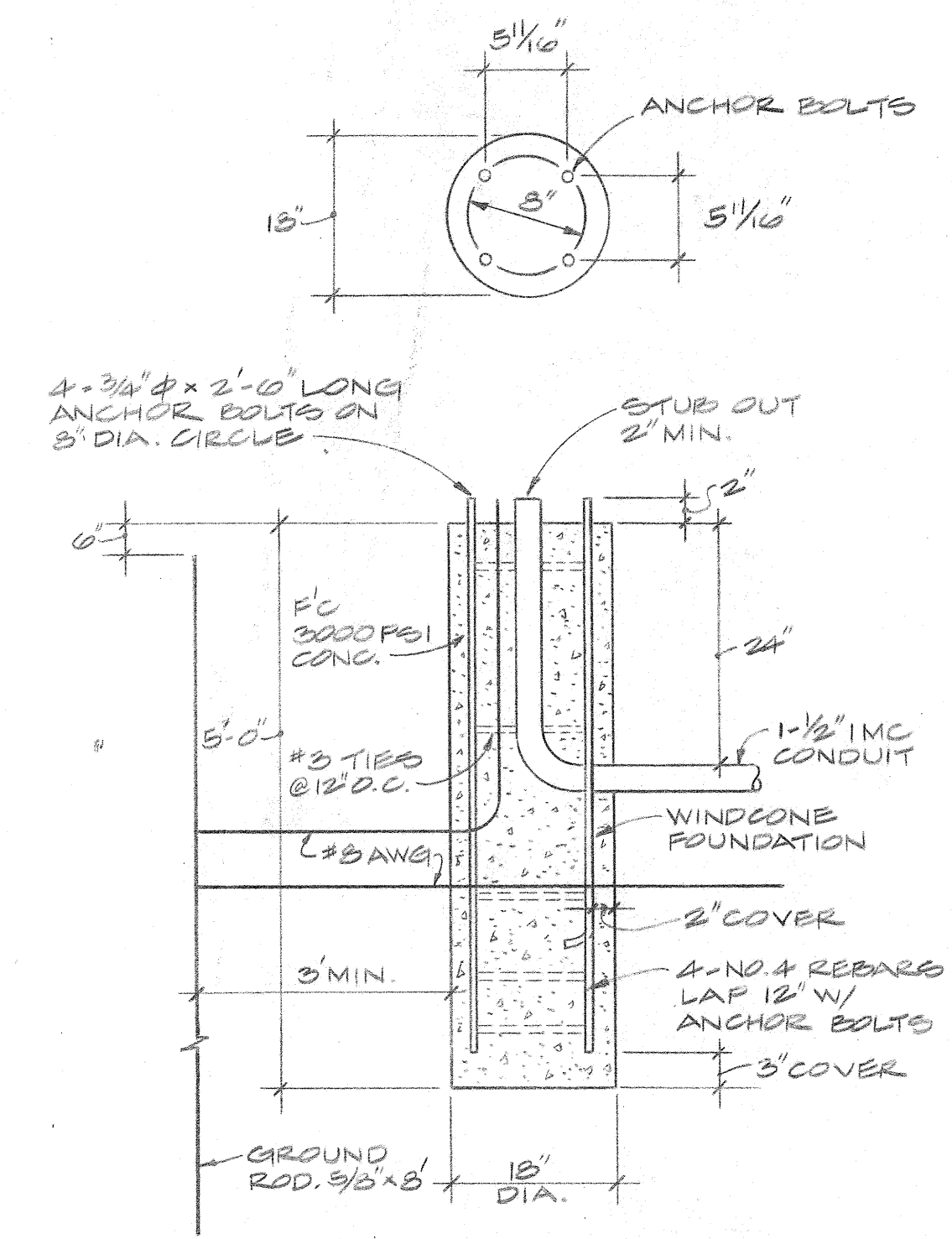


NOTE: IF "S" IS LESS THAN 20 FEET, OR IF 0.5% SLOPE CAN BE MAINTAINED WITHOUT CROWN, LAY CONDUIT STRAIGHT BETWEEN BASES/HANDHOLES

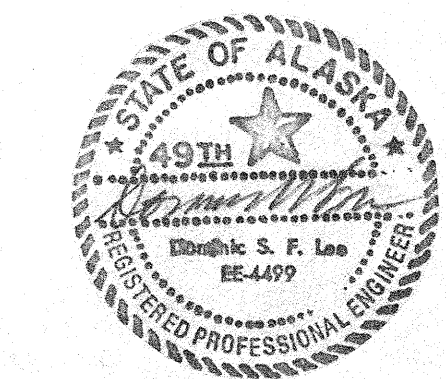
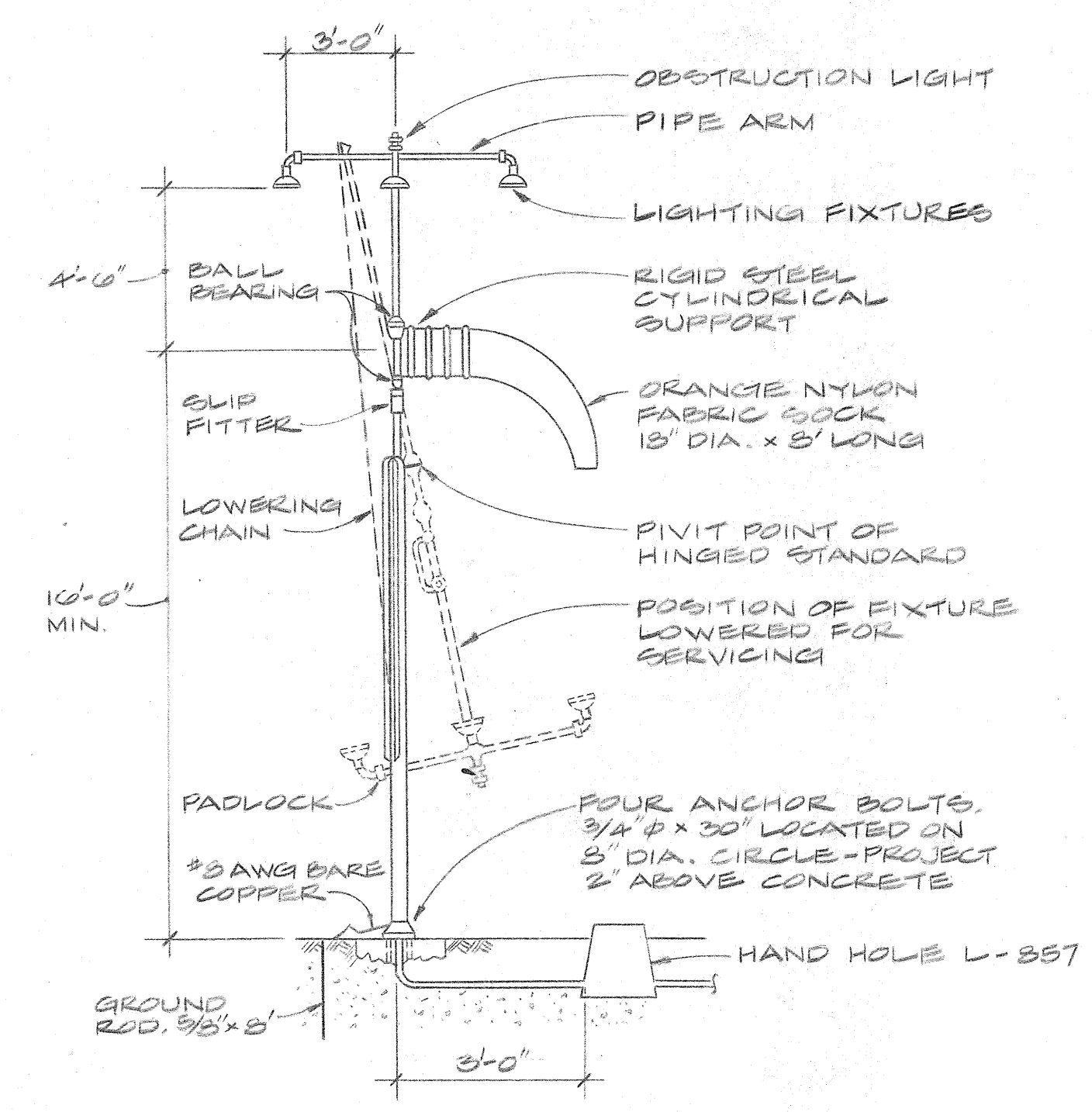
CONDUIT INSTALLATION DETAIL



DETAIL - INSTALLATION OF BUILDING OBSTRUCTION LIGHT



TYPE 1, L-807 EIGHT FOOT LIGHTED WIND CONE & FOUNDATION DETAIL

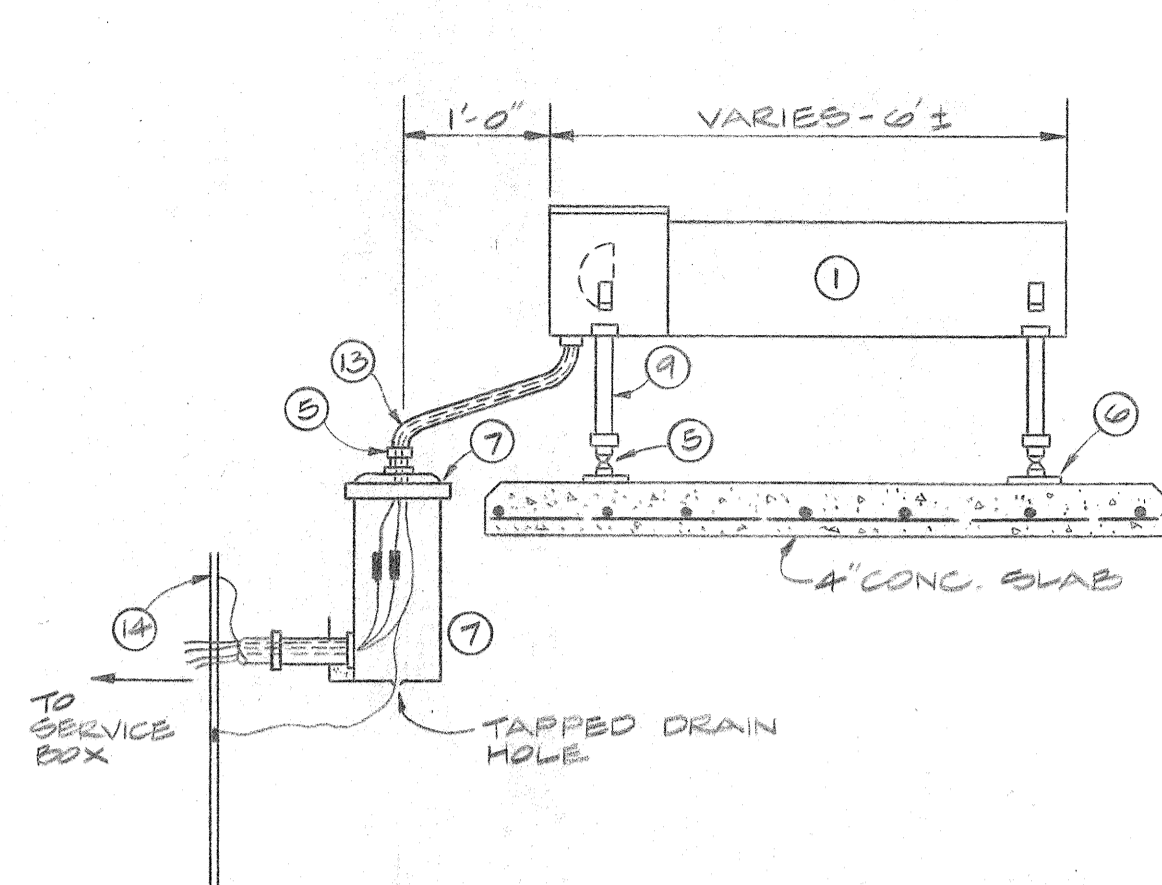


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

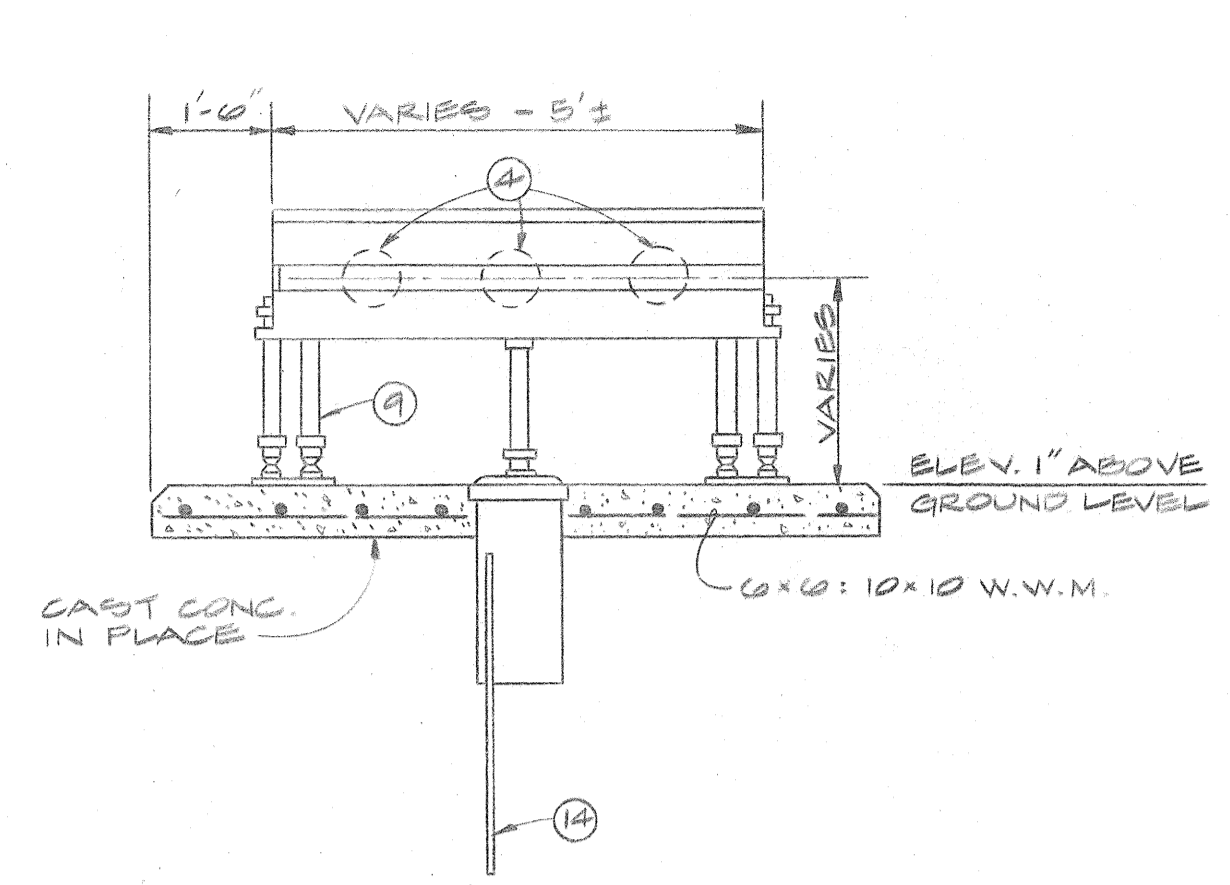
HOONAH AIRPORT LIGHTING DETAILS

APPROVED BY:	<i>William A. Locher</i>	
	WILLIAM A. LOCHER, P.E.	S.E. REGION AVIATION DESIGN ENGINEER
APPROVED BY:	<i>William L. Baumgartner</i>	
	WILLIAM L. BAUMGARTNER	S.E. REGION DESIGN ENGINEER
SCALE:	DESIGNED: <i>EM</i>	DRAWN: <i>D.F.</i>
	CHECKED: <i>D.L.</i>	DATE: <i>11/18/82</i>
BY	DATE	CHANGE
		REVISIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	5	10

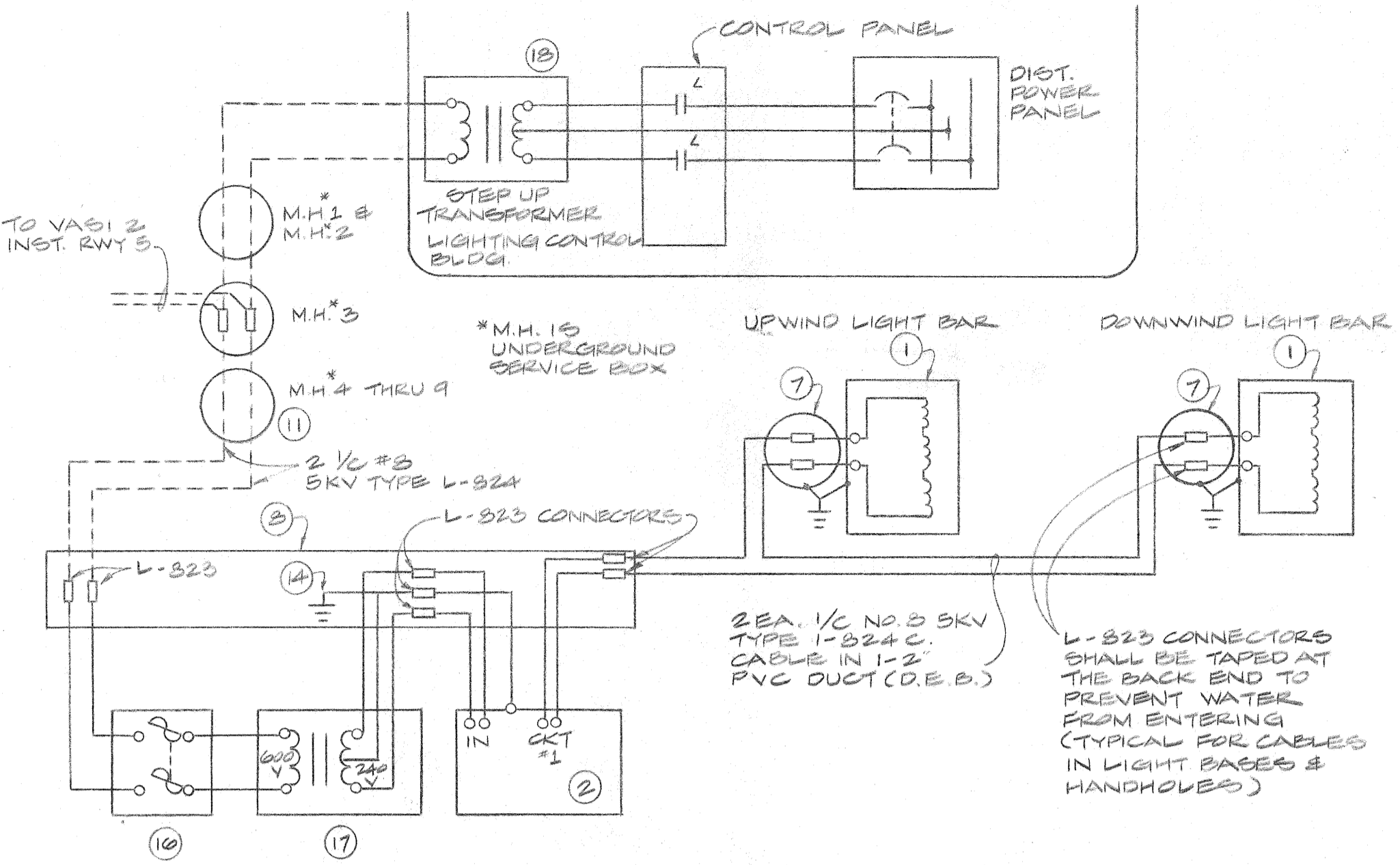


VASI-2 SIDE ELEVATION



VASI-2 FRONT ELEVATION

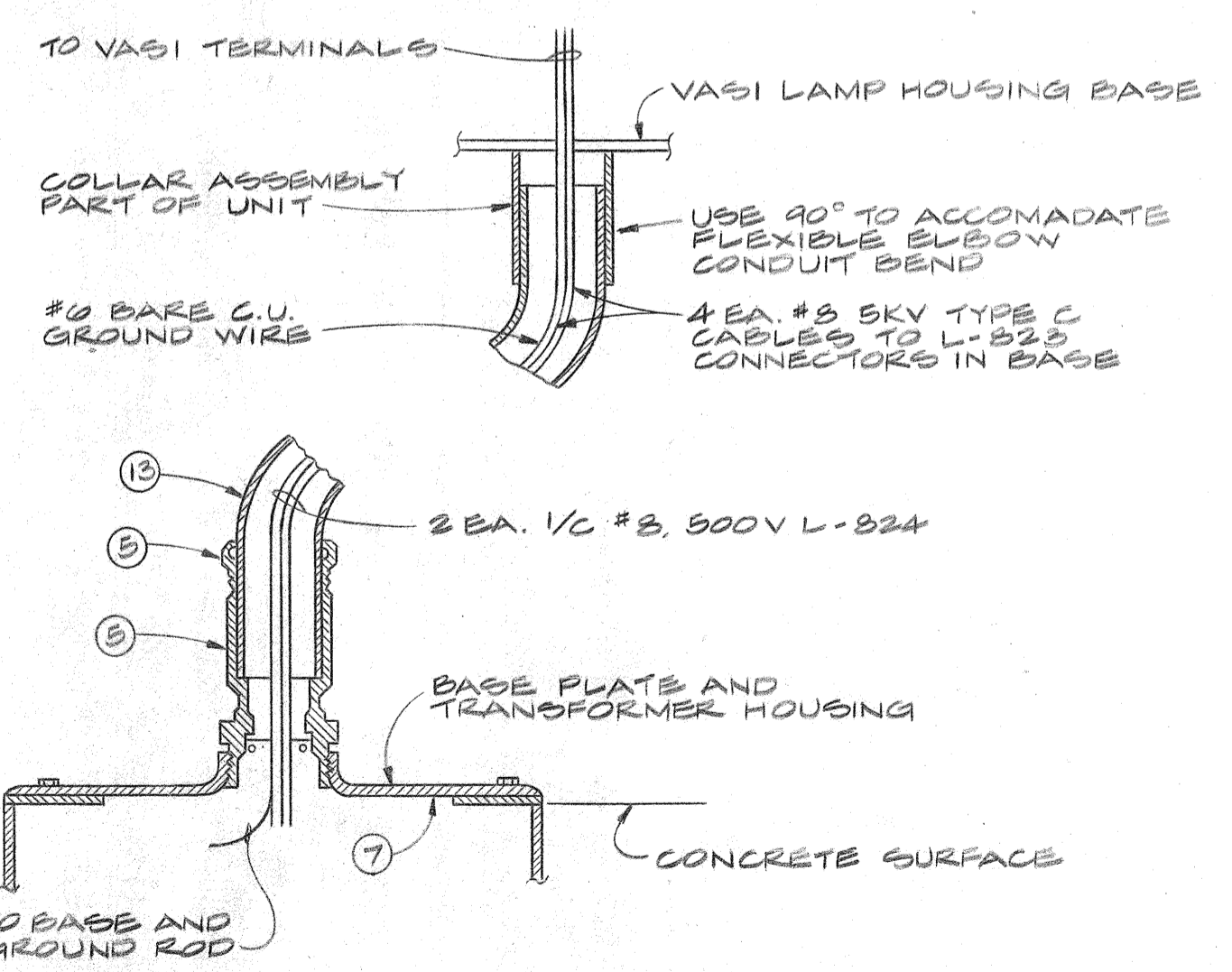
NOTE: CONTRACTOR TO GRADE LOCATIONS, CONSTRUCT NEW REINFORCED CONCRETE SLABS, INSTALL NEW L-857 BASES W/ NEW 2" FLEXIBLE WEATHERPROOF CONDUIT AND FITTINGS.



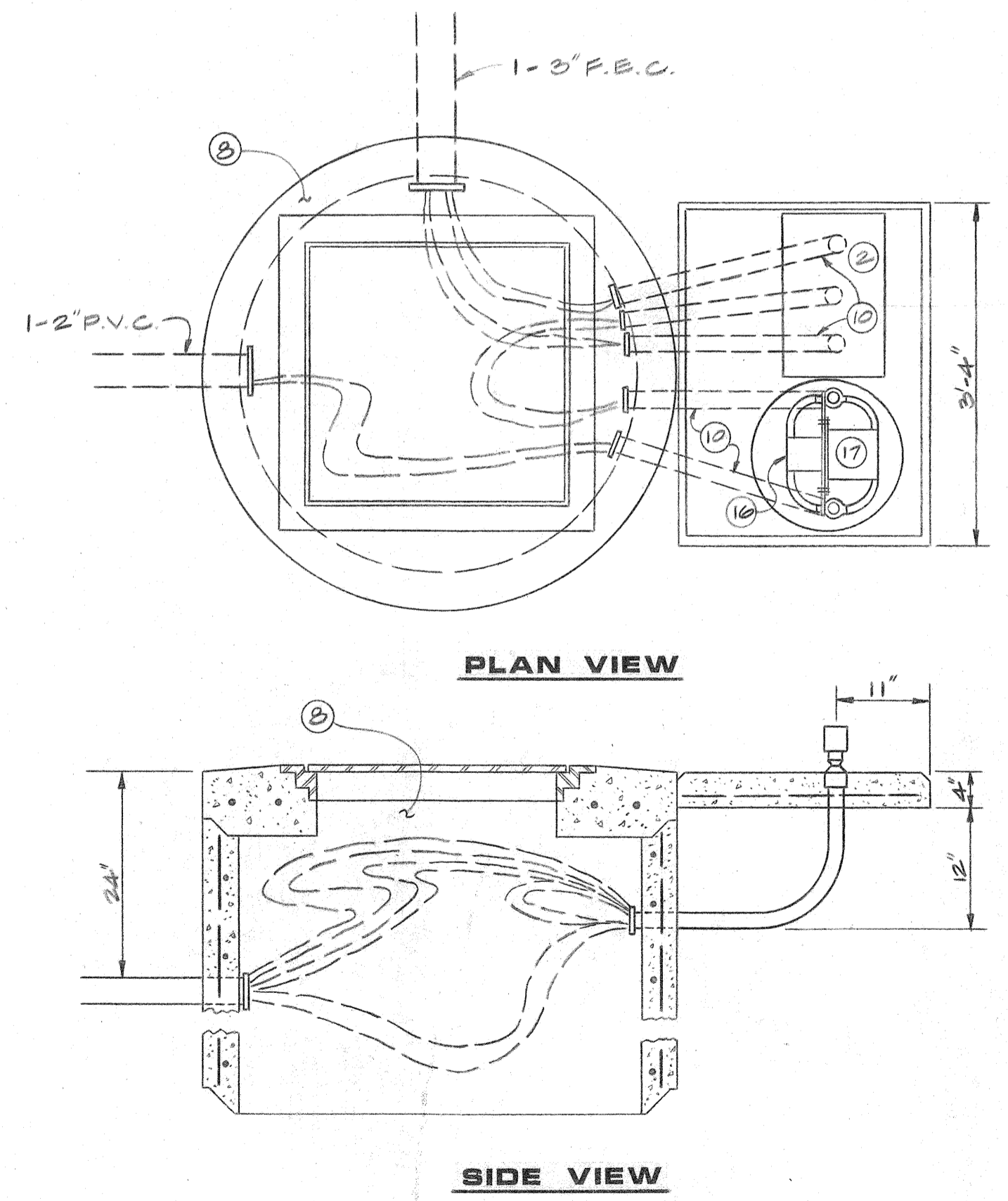
TYPICAL VASI-2 ELECTRICAL WIRING

NOTE: RUNWAY 5 V.A.S.I. WIRING DIAGRAM IDENTICAL ELECTRICALLY WITH RWY 23

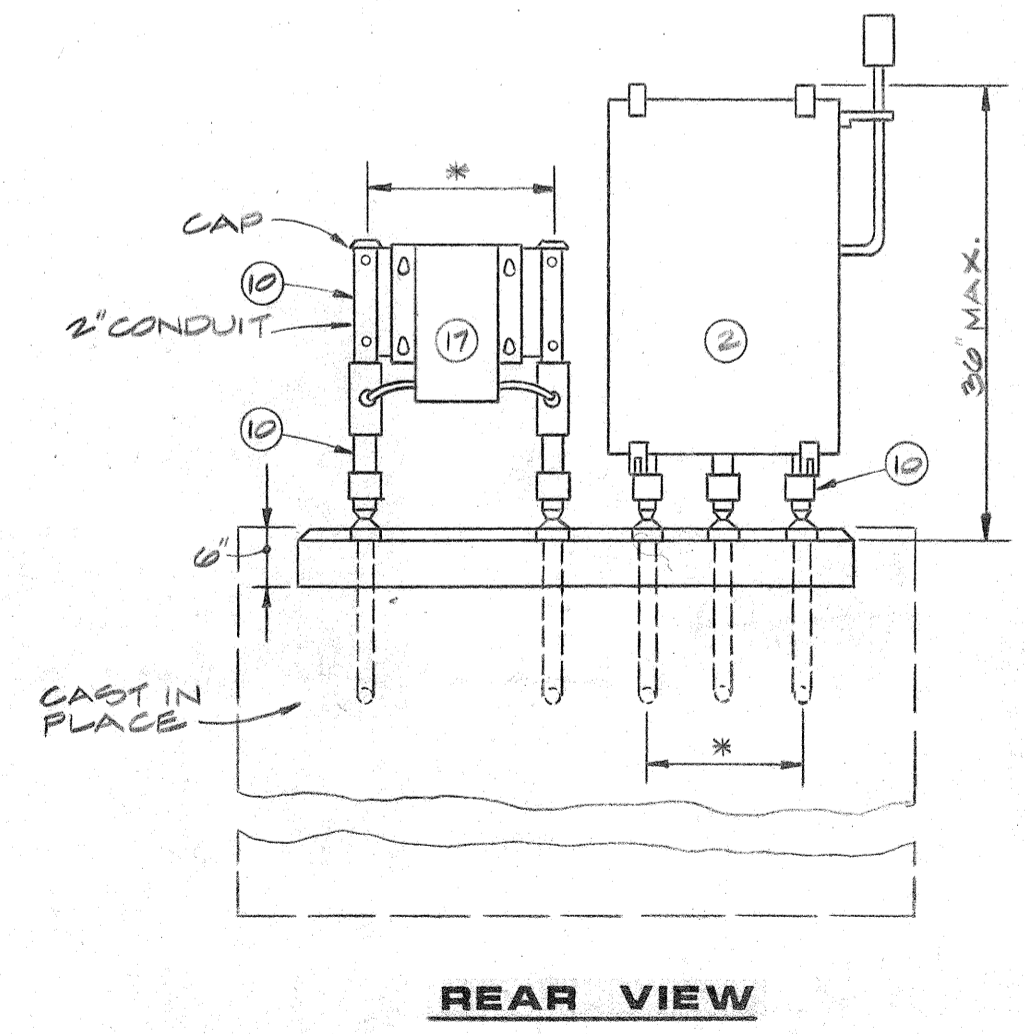
ITEM	QUAN.	DESCRIPTION
1	4	L-851 VISUAL APPROACH SLOPE INDICATOR LAMP HOUSING W/ LAMP FAILURE BYPASS RELAYS W/ TILT SWITCH
2	1	L-851 ADAPTER UNIT, 240V. AC W/ DAY NIGHT INTENSITY CONTROL
3	NOT SHOWN	L-851 LEVELING DEVICE & CALIBRATION BAR (FOR INSULATION & MAINTENANCE BECOMES PROPERTY OF THE SPONSOR)
4	12	VASI INDICATOR LAMPS, PER SPEC. FAA-E-2351 TYPE II, 60 AMPERE, 200 WATT (SOME MFG. SUPPLY LAMP IN PLACE)
5	AS REQ'D.	BREAKABLE COUPLING, 2" THREAD, FOR EMT OR LIQUID TIGHT CONDUIT
6	AS REQ'D.	FLANGE, ALUMINUM
7	AS REQ'D.	L-857 LIGHT BASE, TYPE-1-1/2" DIA. WITH BASE PLATE AND GASKET W/ TAPPED DRAIN AND PLUG
8	1	TYPE II HANDHOLE FOR MOUNTING VASI EQUIPMENT
9	LOT	2" EMT CONDUIT
10	LOT	2" RIGID CONDUIT, W/ COUPLINGS AND FITTINGS
11	AS REQ'D.	1/2" NO. 8-3KV TYPE L-824 TYPE C CABLES WITH CONNECTORS
12	AS REQ'D. (NOT SHOWN)	FRANGIBLE COUPLINGS, FOR RIGID CONDUIT
13	LOT	2" FLEXIBLE WEATHERPROOF CONDUIT
14	AS REQ'D.	5/8" x 8'-0" GROUND ROD, "COPPER WELD" OR EQUAL
15	NOT SHOWN	INSTRUCTION BOOKS, DRAWINGS, INSTALLATION DATA BECOMES PROPERTY OF SPONSOR
16	2	SAFETY SWITCH, 600V, 30 AMP, FUSIBLE, NEMA-3R ENC. 3 POLE EQUIPPED W/ 5 AMP BUSSMANN FR5 FUSES
17	2	STEP DOWN TRANSFORMER, 15KVA, 600V PRI 120/140V SEC 00 HZ. 2-5% FCBN TAPS, INDOOR OR OUTDOOR
18	1	STEP UP TRANSFORMER, 3KVA, 600V SEC 120/240V PRI 60 HZ, 2-5% FCBN TAPS, INDOOR OR OUTDOOR



MOUNTING INSTALLATION DETAIL



HANDHOLE FOR MOUNTING VASI EQUIPMENT



ADAPTER UNIT, TRANSFORMER, & SAFETY SWITCH-FRANGIBLE MOUNTING

VASI SITING DETAILS							
RUNWAY	BAR	STATION	OFFSET FROM CL	ELEVATION FROM CL	ELEVATION VASI BASE	ELEVATION VASI LIGHT	AIMING ANGLE
23	UPWIND	43+85	90'	22.3	25.3	25.3	30° 35'
23	DOWNWIND	49+05	90'	22.3	25.3	25.3	2.5° 30'
5	DOWNWIND	19+55	90'	21.3	24.3	24.3	2.5°
5	UPWIND	24+35	90'	21.3	24.3	24.3	30°

Effective Sta. 46+75 @ Elev 25.3, threshold elev @ 23.5', 4 elev @ threshold = 42.33
 Sta. 26+75 elev 24.3, 4 elev @ threshold = 39.76
 Sta. 21+95 @ Elev 24.3, threshold elev @ 22.0', 4 elev @ threshold = 39.76
 Sta. 19+00



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

**HOONAH AIRPORT
 LIGHTING DETAILS - V.A.S.I.**

APPROVED BY: <i>William A. Locher</i> WILLIAM A. LOCHER, P.E. S.E. REGION AVIATION DESIGN ENGINEER		
APPROVED BY: <i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. S.E. REGION DESIGN ENGINEER		
SCALE: NONE	DESIGNED BY: F.M.	DRAWN BY: D.F.
CHECKED BY: D.L.	DATE: 1/7/83	SHEET 4 OF 9

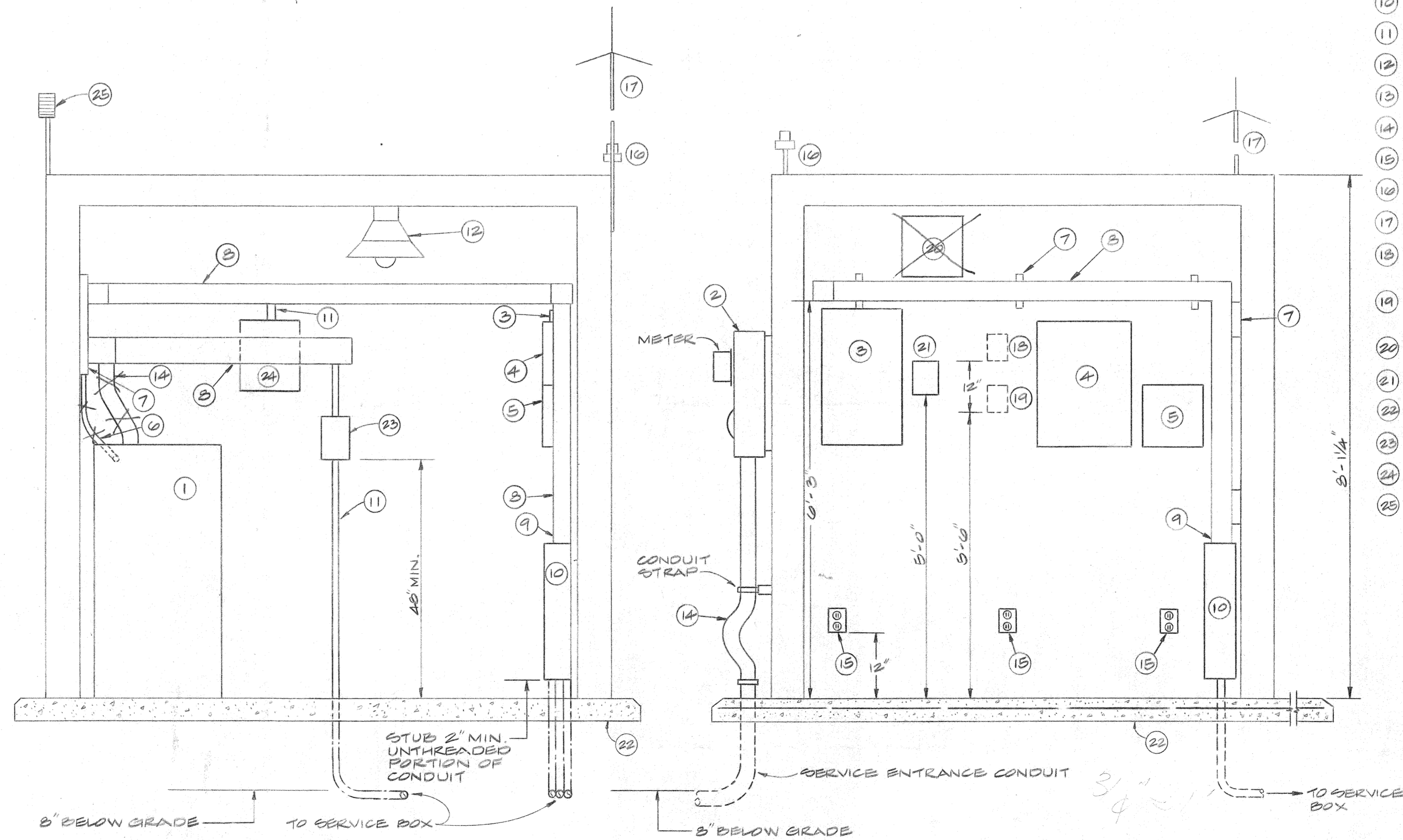
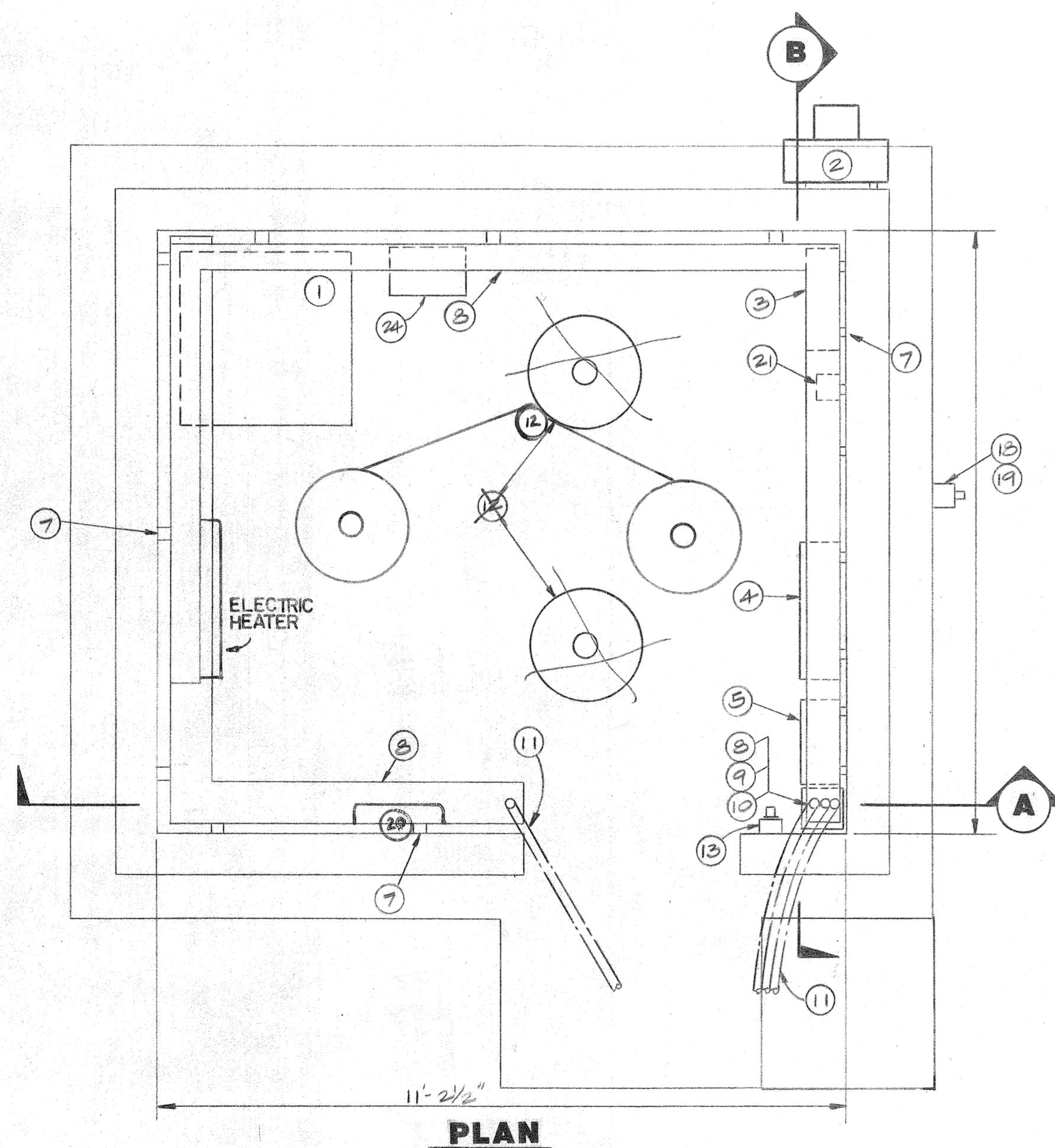
BY	DATE	CHANGE

24+35
 Sta. 26+75 elev 24.3, 4 elev 59.68, 37.68
 29+15

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	6	10

ENCLOSURE EQUIPMENT LIST

- ① RUNWAY LIGHTING CONSTANT CURRENT REGULATOR
- ② COMBINATION SERVICE ENTRANCE METER BASE
- ③ LIGHTING DISTRIBUTION POWER PANEL (PANEL A)
- ④ AIRPORT LIGHTING CONTROL PANEL
- ⑤ AIRPORT LIGHTING RADIO CONTROL UNIT
- ⑥ LIQUIDTIGHT FLEXIBLE METAL CONDUIT (TYP.) 3/4"
- ⑦ UNISTRUT (OR EQUAL) CHANNEL, P-3000 (TYP.)
- ⑧ WIREWAY WITH HINGED COVER, 4"x4"
- ⑨ WIREWAY REDUCER, 4"x4" TO 6"x6"
- ⑩ WIREWAY TRANSITION, 6"x6"
- ⑪ 1/2" I.M.C.
- ⑫ VAPORTIGHT LIGHT FIXTURE WITH SHALLOW DOME
- ⑬ BUILDING LIGHT SWITCH, SINGLE POLE
- ⑭ LIQUIDTIGHT FLEXIBLE METAL CONDUIT (TYP.) 2"
- ⑮ DUPLEX RECEPTACLE, NEMA 5-20R, 120 VAC, 20A
- ⑯ PHOTOCELL SWITCH FOR LIGHTING CONTROL
- ⑰ RADIO CONTROL LIGHTING RECEIVING ANTENNA
- ⑱ EXTERNAL PUSH BUTTON FOR CONTROL OF RUNWAY LIGHTS
- ⑲ EXTERNAL PUSH BUTTON FOR CONTROL OF APRON FLOODLIGHTS
- ⑳ 12" EXHAUST FAN
- ㉑ EXHAUST FAN THERMOSTAT
- ㉒ CONCRETE SLAB
- ㉓ PLUG CUTOUT
- ㉔ STEP UP TRANSFORMER FOR VASI
- ㉕ OBSTRUCTION LIGHT



A SECTION
B SECTION
EQUIPMENT ENCLOSURE DETAIL
NO SCALE



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION

**HOONAH AIRPORT
EQUIPMENT SHELTER**

APPROVED BY:		<i>William A. Locher</i>		WILLIAM A. LOCHER, P.E.		S.E. REGION AVIATION DESIGN ENGINEER	
APPROVED BY:		<i>William L. Baumgartner</i>		WILLIAM L. BAUMGARTNER, P.E.		S.E. REGION DESIGN ENGINEER	
BY	DATE	CHANGE	SCALE:	DESIGNED: F.M.	DRAWN: D.F.	CHECKED: D.L.	DATE: 1/7/83
REVISIONS				SHEET 5 OF 9			

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	7	10

PHOTOELECTRIC CONTROL SPST 120V-60°F OPERATION SET @ 5°F TURN-ON TO RK # 2100. MOUNTED ON 3/4" R.S.C. MAST ON NORTH OUTSIDE WALL (NOTE: MOUNT SIMILAR TO OBSTRUCTION LIGHT)

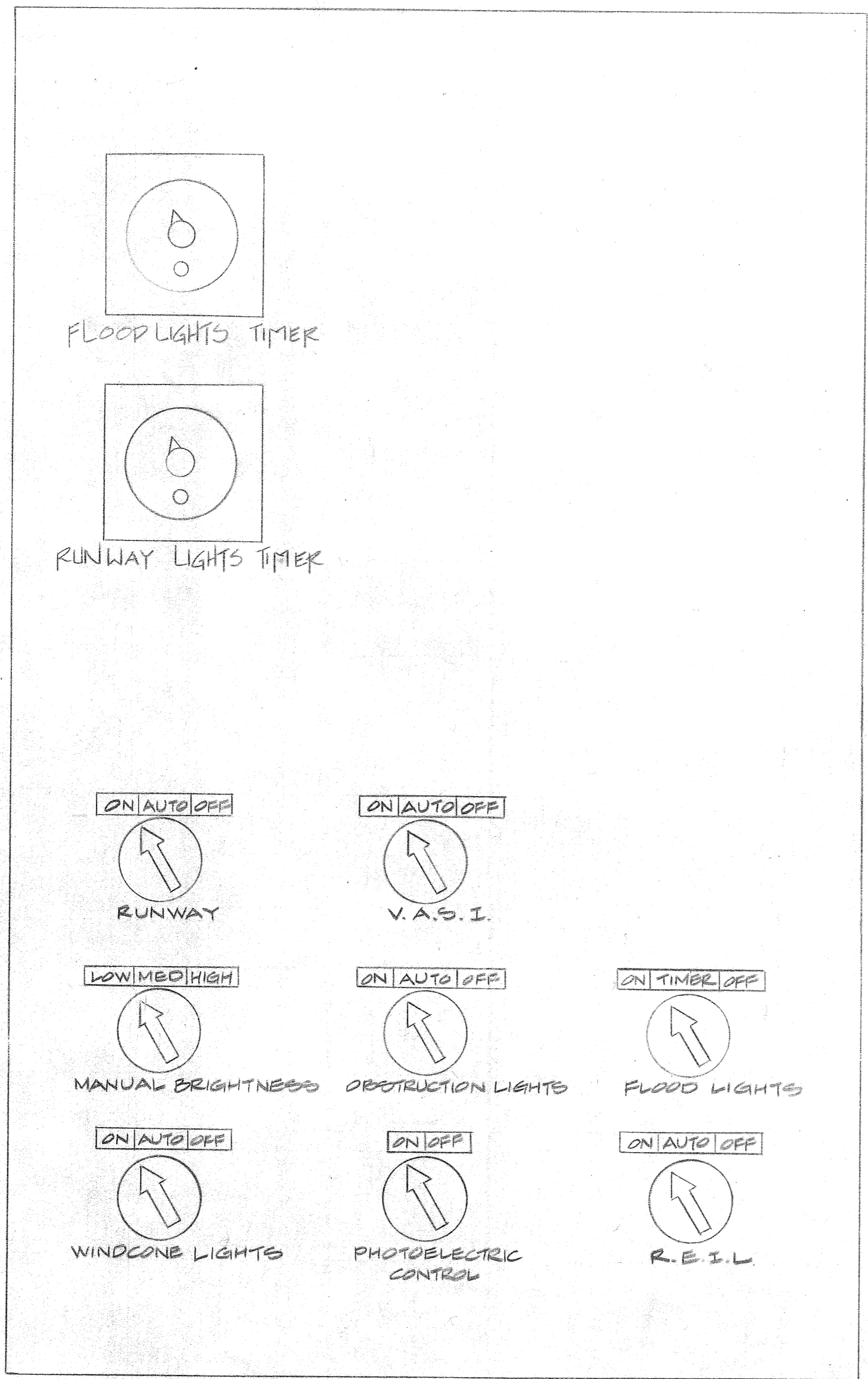
250 W 120V TUNGSTEN HALOGEN ADJUSTABLE FIXTURE BY SWIVELIER #14101 MOUNTED ON 3/4" R.S.C. MAST (NOTE: MOUNT SIMILAR TO OBSTRUCTION LIGHT)

EQUIPMENT:
200A, 3W, 240V. S/N DBL. THROW, NON-FUSIBLE MANUAL TRANSFER SWITCH, NEMA 1, HEAVY DUTY SQUARE "D" # DTU223NRB

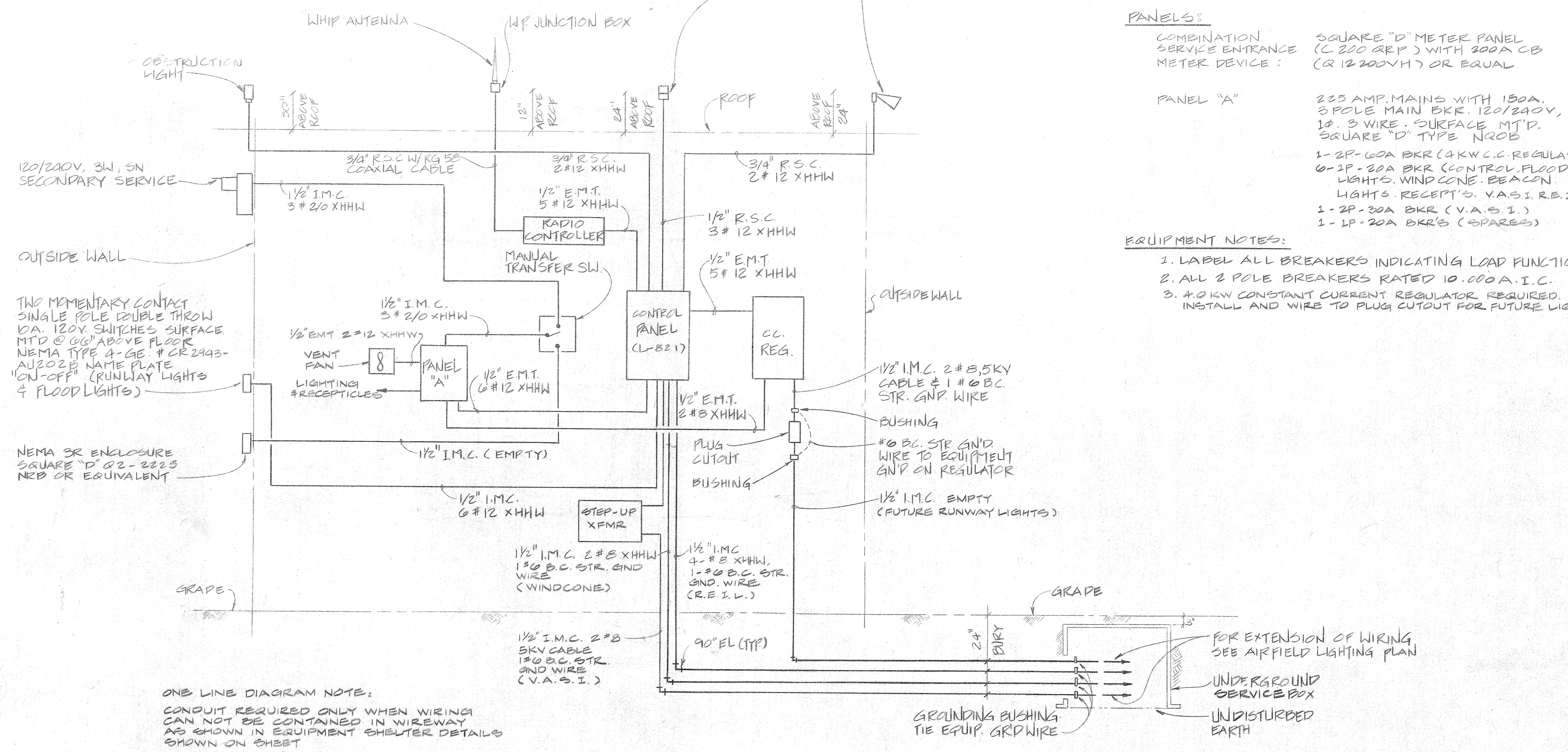
PANELS:
COMBINATION SERVICE ENTRANCE METER DEVICE: SQUARE "D" METER PANEL (C 220 GRP) WITH 200A CB METER DEVICE: (C 12 200VH) OR EQUAL

PANEL "A"
225 AMP. MAINS WITH 150A, 3 POLE MAIN BKR. 120/240V, 1Ø, 3 WIRE. SURFACE MTD. SQUARE "D" TYPE NROB
1- 2P-60A BKR (4KW C.C. REGULATOR)
0-3P-20A BKR (CONTROL FLOOD LIGHTS, WIND CONE, BEACON LIGHTS, RECEPT'S, V.A.S.I., R.E.I.L.)
1- 2P-30A BKR (V.A.S.I.)
1- 1P-20A BKR'S (SPARES)

EQUIPMENT NOTES:
1. LABEL ALL BREAKERS INDICATING LOAD FUNCTION.
2. ALL 2 POLE BREAKERS RATED 10,000 A.I.C.
3. 4.0 KW CONSTANT CURRENT REGULATOR REQUIRED. INSTALL AND WIRE TO PLUG CUTOUT FOR FUTURE LIGHTS.

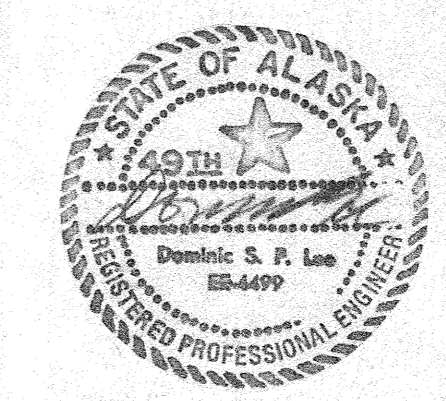


CONTROL PANEL
N.T.S.



ONE LINE DIAGRAM NOTE:
CONDUIT REQUIRED ONLY WHEN WIRING CAN NOT BE CONTAINED IN WIREWAY AS SHOWN IN EQUIPMENT SHELTER DETAILS SHOWN ON SHEET

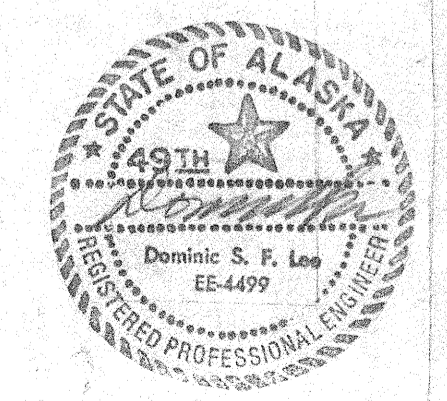
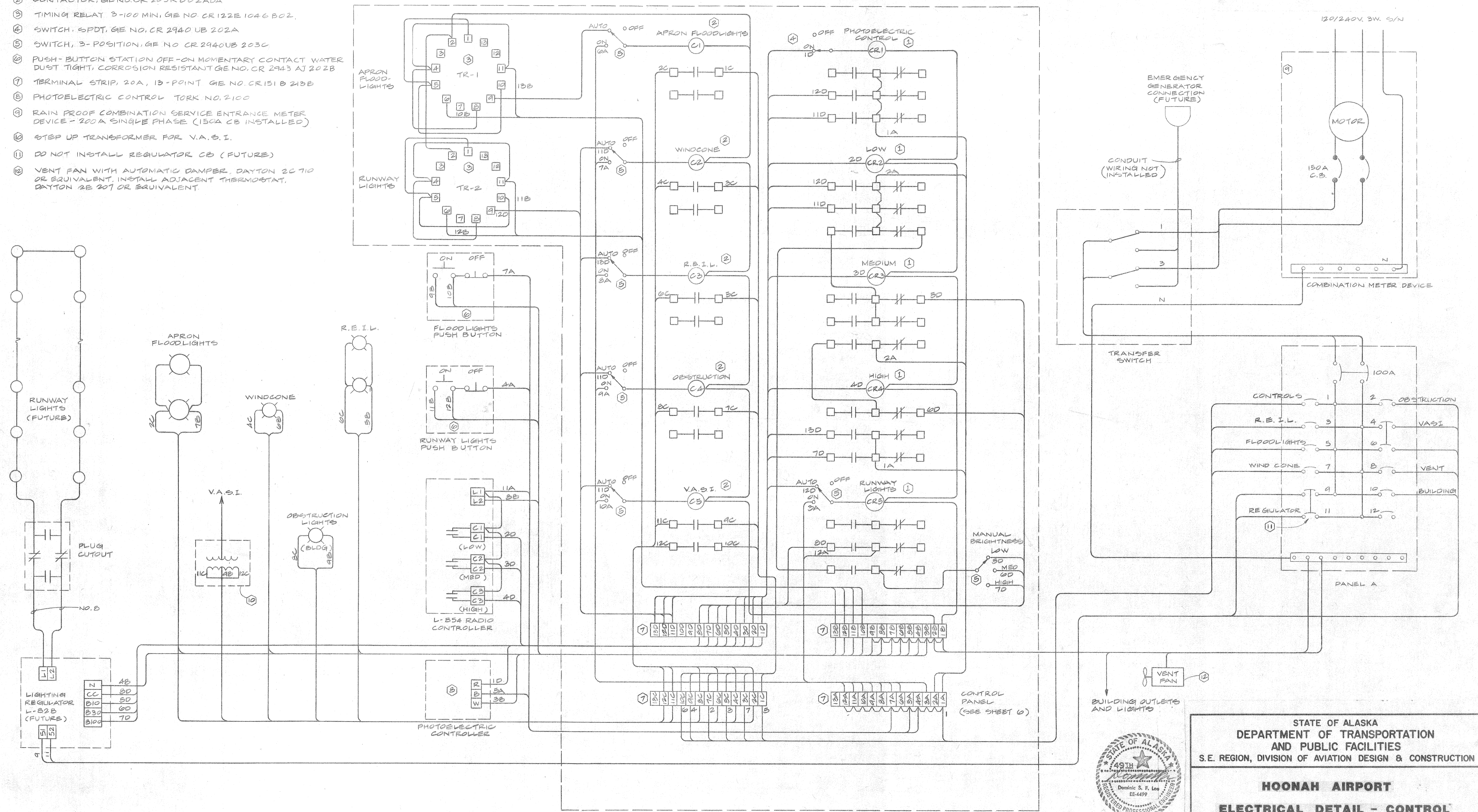
POWER ONE-LINE WIRING DIAGRAM FOR REGULATOR & CONTROL
N.T.S.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES S.E. REGION, DIVISION OF AVIATION DESIGN & CONSTRUCTION	
HOONAH AIRPORT EQUIPMENT SHELTER - ONE LINE DIAGRAM	
APPROVED BY: <i>William A. Locher</i> WILLIAM A. LOCHER, P.E. S.E. REGION AVIATION DESIGN ENGINEER	APPROVED BY: <i>William L. Baumgartner</i> WILLIAM L. BAUMGARTNER, P.E. S.E. REGION DESIGN ENGINEER
BY: _____ DATE: _____ CHANGE: _____	SCALE: _____ DESIGNED: F.M. DRAWN: D.L. CHECKED: D.L. DATE: 1/2/83
REVISIONS	
SHEET 6 OF 9	

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	8	10

- ① CONTROL RELAY, 3PDT, GE NO. CR 120 HC47 W02
- ② CONTACTOR, GE NO. CR 205K 002ADA
- ③ TIMING RELAY 3-100 MIN, GE NO. CR 122E 1046 B02.
- ④ SWITCH, 5PDT, GE NO. CR 2940 UB 202A
- ⑤ SWITCH, 3-POSITION, GE NO. CR 2940UB 203C
- ⑥ PUSH-BUTTON STATION OFF-ON MOMENTARY CONTACT WATER DUST TIGHT, CORROSION RESISTANT GE NO. CR 2943 AJ 202B
- ⑦ TERMINAL STRIP, 20A, 13-POINT GE NO. CR151 B 213B
- ⑧ PHOTOELECTRIC CONTROL TORK NO. 2100
- ⑨ RAIN PROOF COMBINATION SERVICE ENTRANCE METER DEVICE - 200A SINGLE PHASE (150A CB INSTALLED)
- ⑩ STEP UP TRANSFORMER FOR V.A.S.I.
- ⑪ DO NOT INSTALL REGULATOR CB (FUTURE)
- ⑫ VENT FAN WITH AUTOMATIC DAMPER, DAYTON 2C 710 OR EQUIVALENT, INSTALL ADJACENT THERMOSTAT, DAYTON 2E 207 OR EQUIVALENT.



STATE OF ALASKA
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HOONAH AIRPORT
ELECTRICAL DETAIL - CONTROL

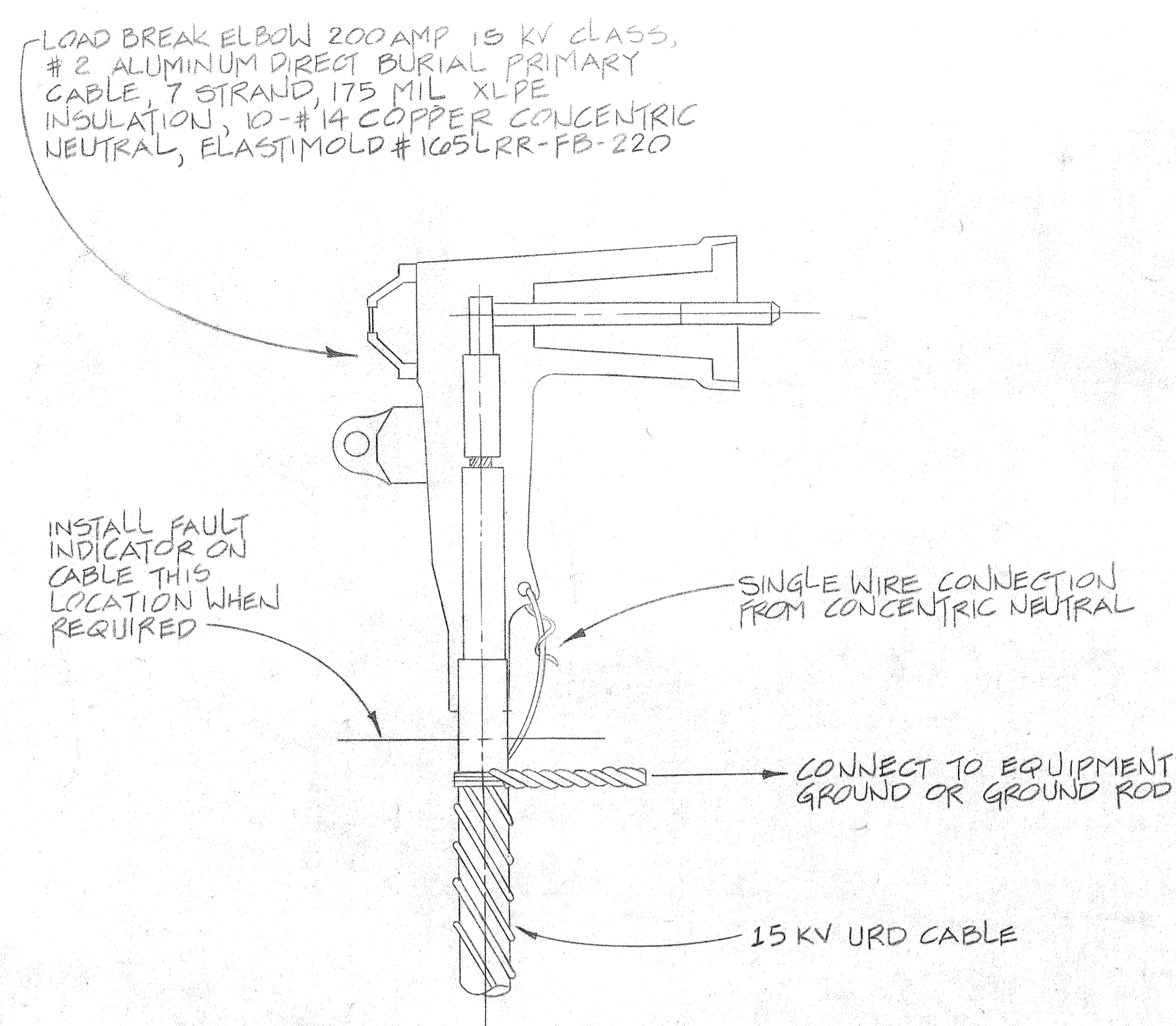
APPROVED BY: *William A. Locher*
WILLIAM A. LOCHER, P.E. S.E. REGION AVIATION DESIGN ENGINEER

APPROVED BY: *William L. Baumgartner*
WILLIAM L. BAUMGARTNER, P.E. S.E. REGION DESIGN ENGINEER

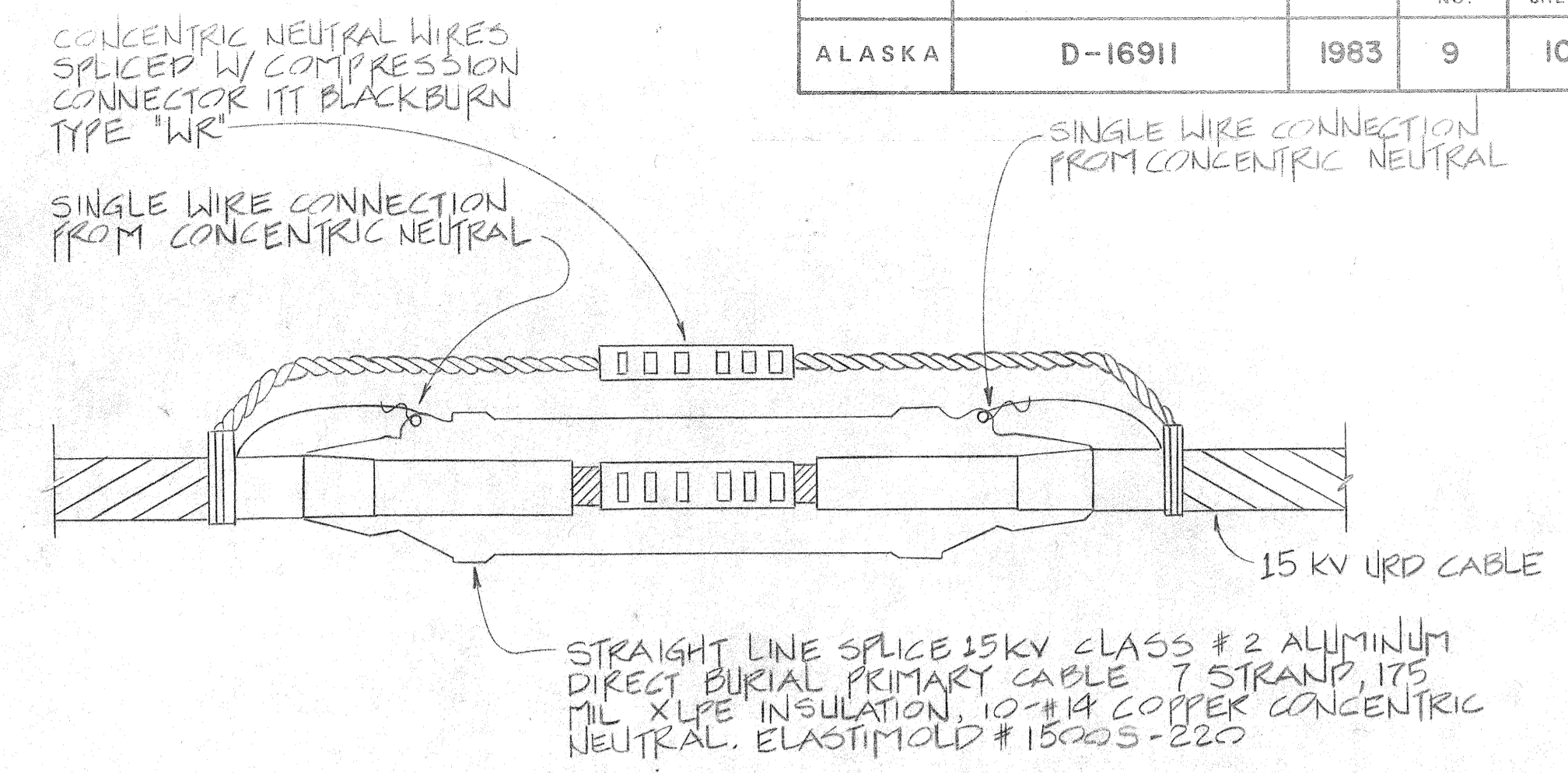
SCALE: DESIGNED: *E.M.* DRAWN: *D.F.*
CHECKED: *D.L.* DATE: *11/1/83* SHEET 7 OF 9

BY	DATE	CHANGE
REVISIONS		

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	9	10

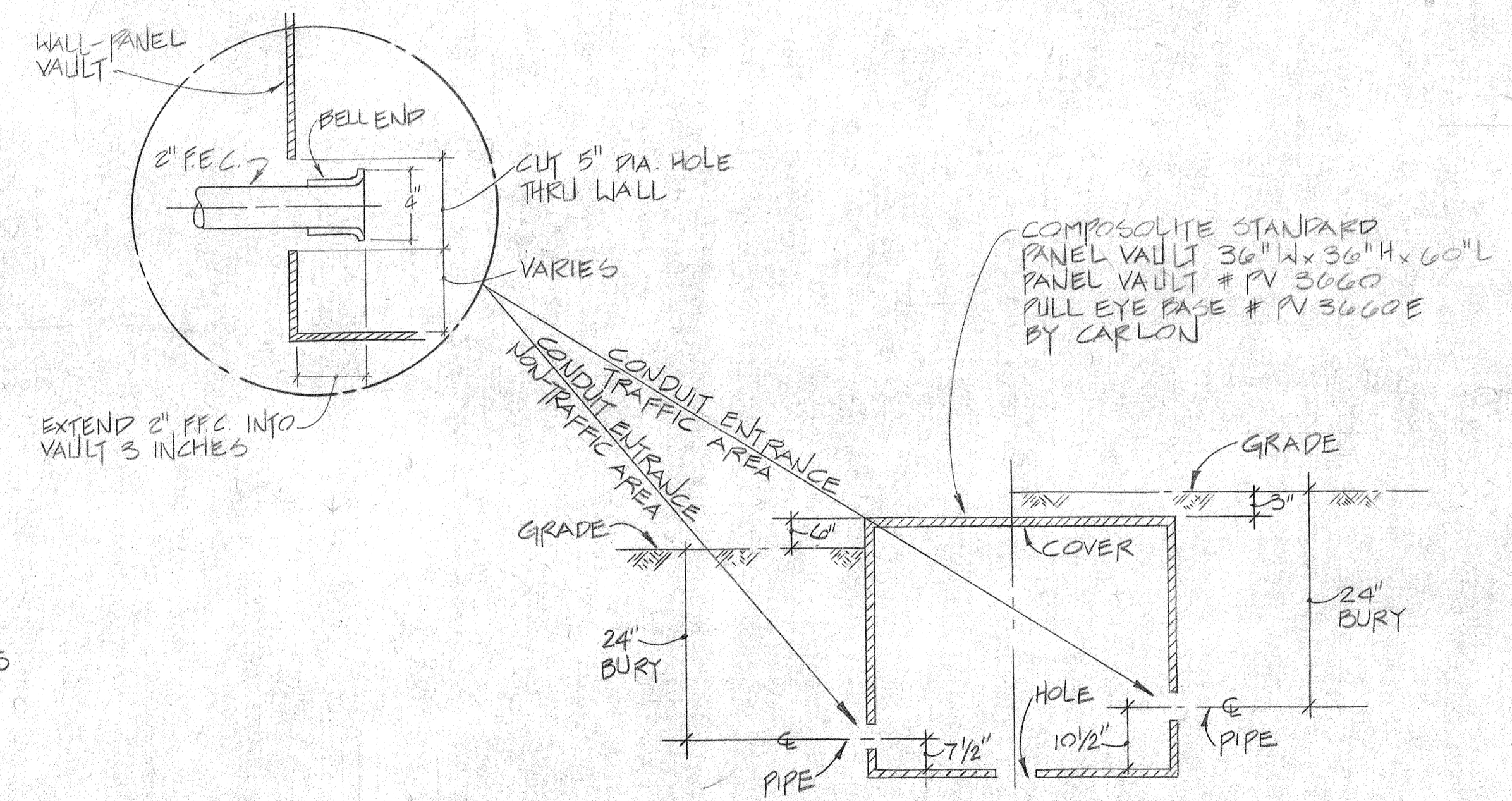


DETAIL 3A
15 KV LOADBREAK ELBOW
N.T.S.



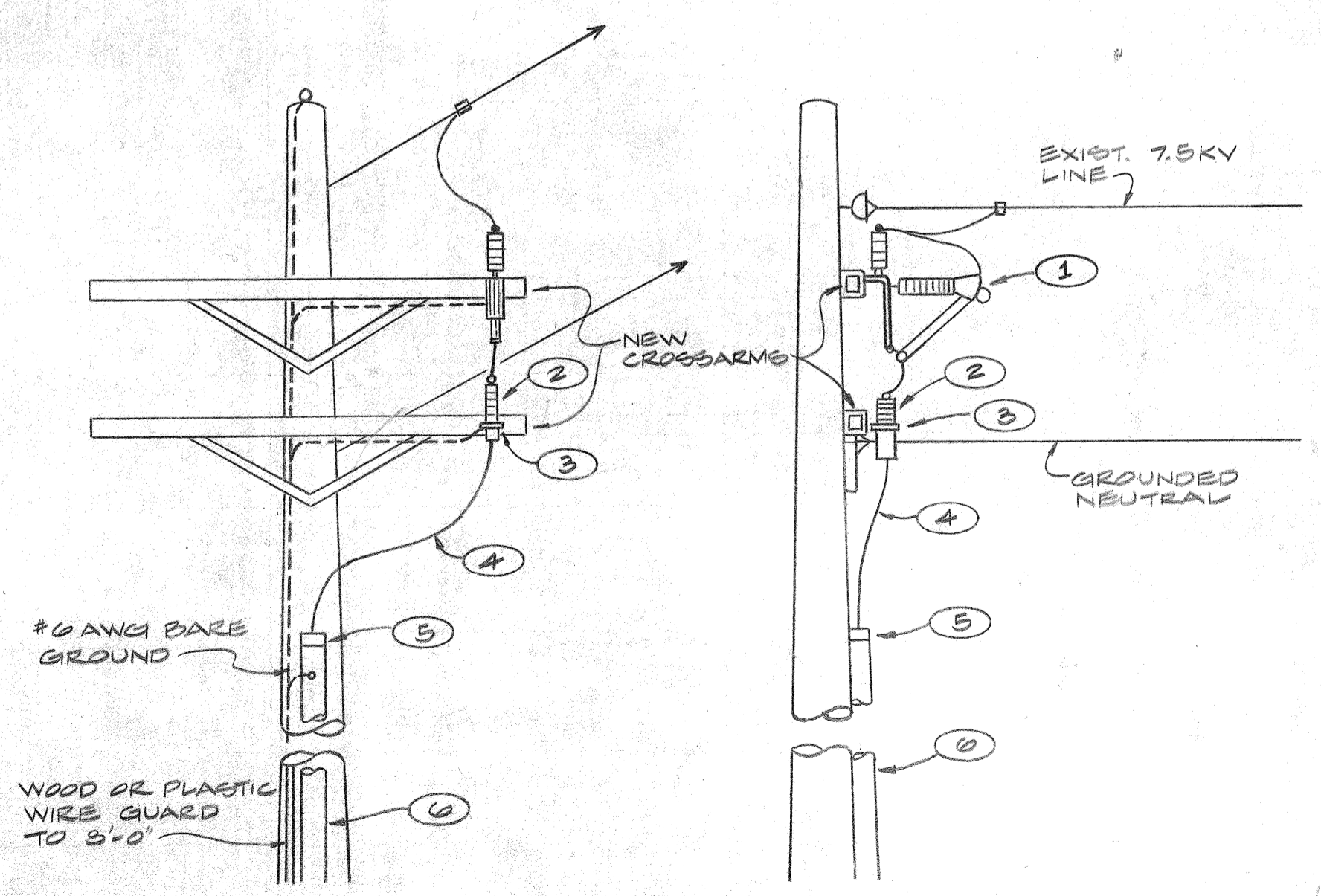
DETAIL 3B
15 KV STRAIGHT LINE SPLICE
N.T.S.

- 1 LOADBREAK WITH ATTACHED LIGHTNING ARRESTOR (GE - 9F 80 BBS 122)
- 2 CABLE TERMINATION (MATCH TO CABLE GE-9U08)
- 3 KELLEMS GRIP BRACKET (GE-9U09 GEN 972)
- 4 15 KV U.R.D. CABLE
- 5 CONDUIT SEAL
- 6 2" RIGID STEEL CONDUIT

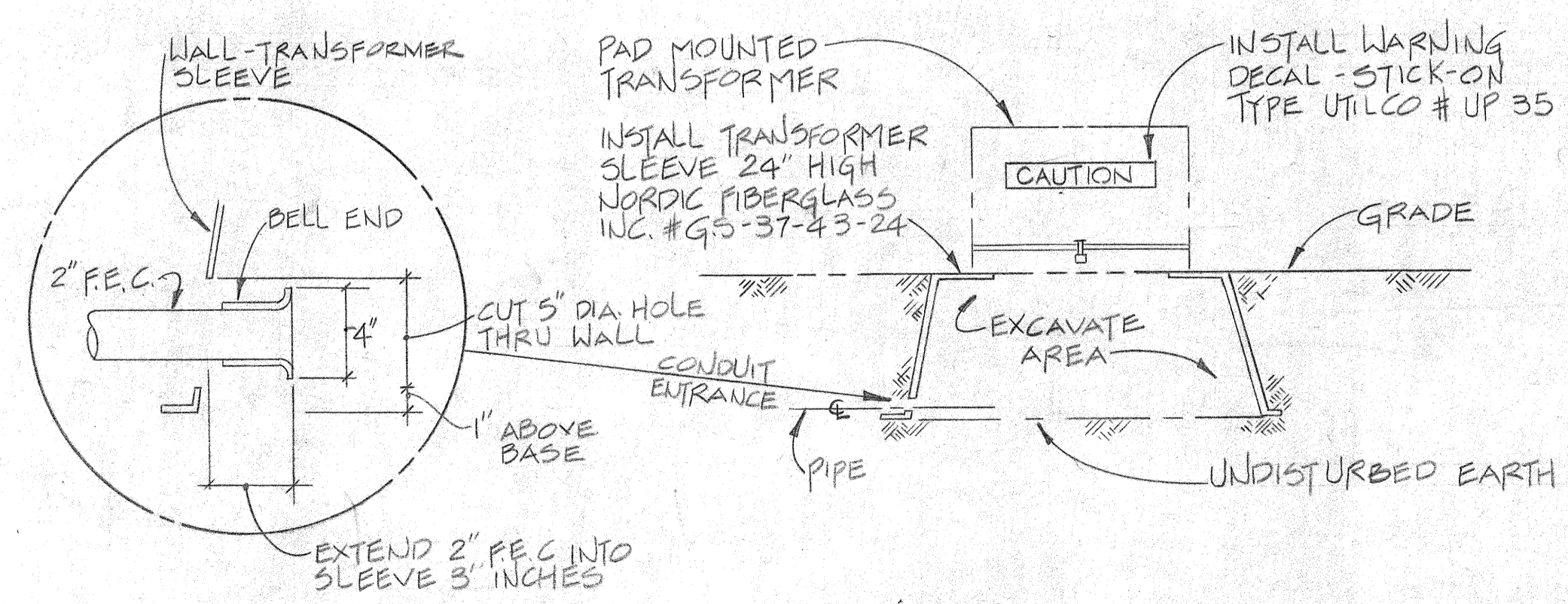


DETAIL 3E
ELECTRICAL VAULT
NON-TRAFFIC AREA N.T.S.

DETAIL 3F
ELECTRICAL VAULT
TRAFFIC AREA N.T.S.



DETAIL 3G
EXISTING POWER POLE WITH
UNDERGROUND PRIMARY ATTACHMENT
N.T.S.



DETAIL 3D
SIDE VIEW
PAD MOUNTED TRANSFORMER SLEEVE
N.T.S.



STATE OF ALASKA
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**HOONAH AIRPORT
ELECTRICAL DETAILS**

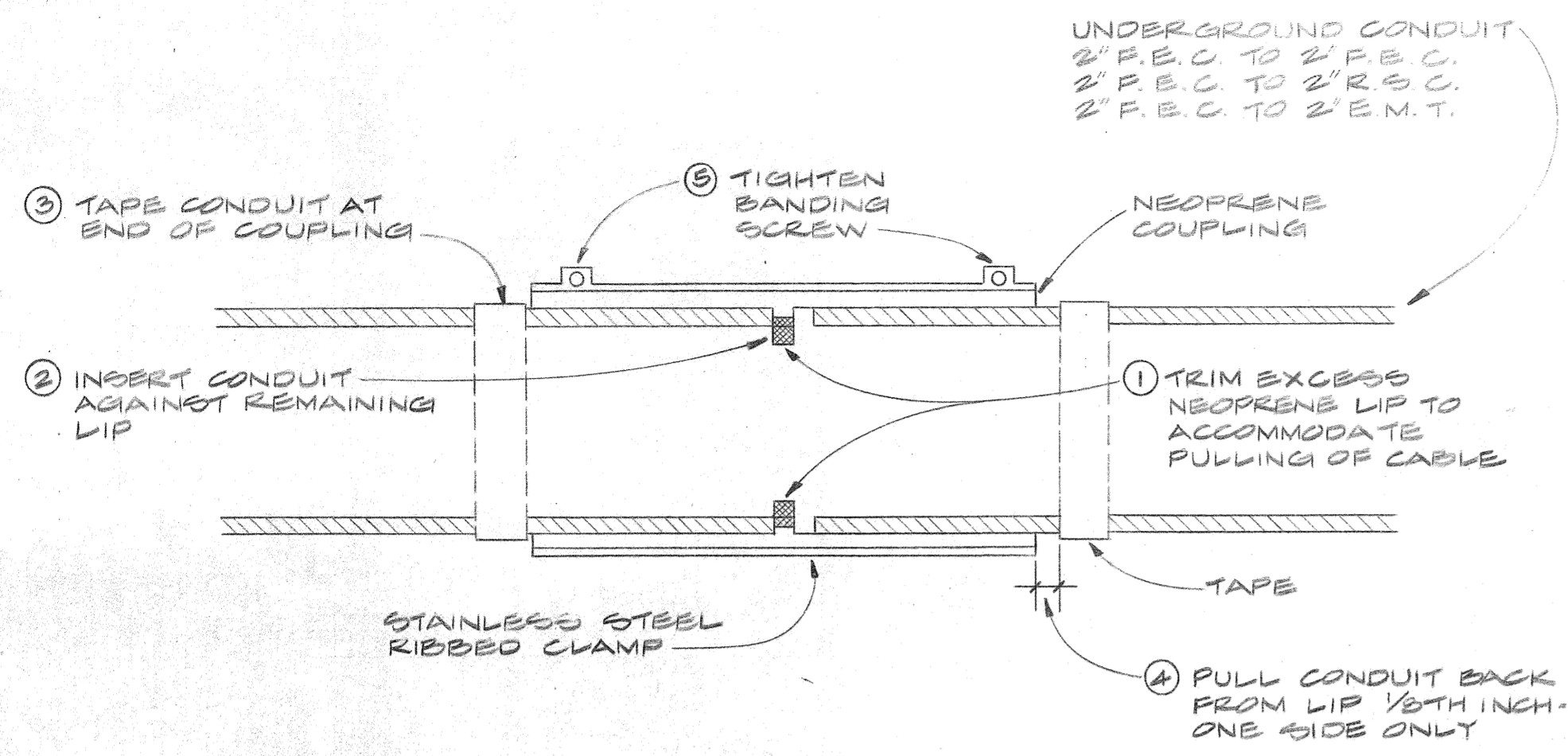
APPROVED BY: *William A. Locher*
WILLIAM A. LOCHER, P.E. S.E. REGION AVIATION DESIGN ENGINEER

APPROVED BY: *William L. Baumgartner*
WILLIAM L. BAUMGARTNER, P.E. S.E. REGION DESIGN ENGINEER

BY	DATE	CHANGE
REVISIONS		

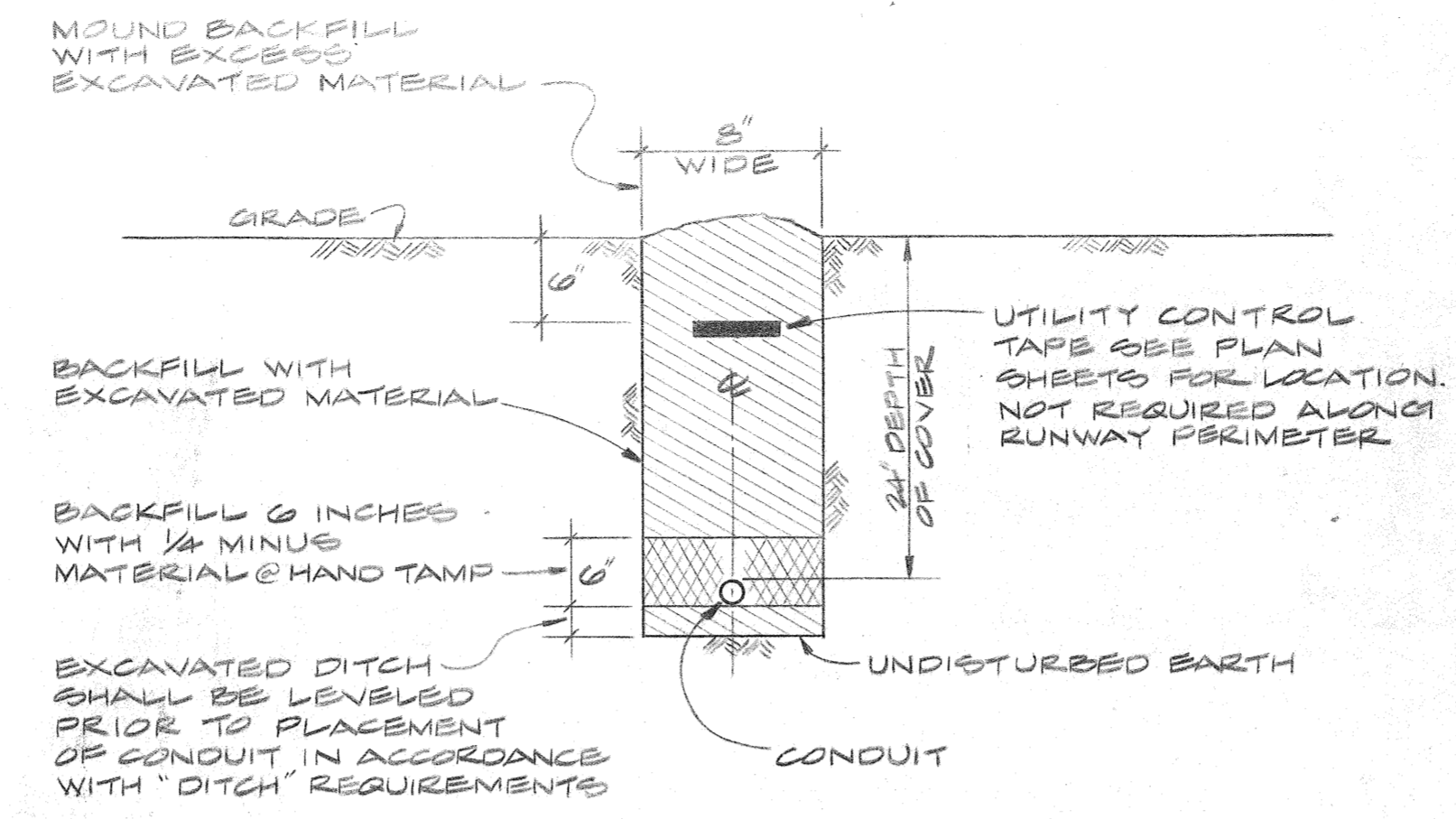
SCALE: DESIGNED: F.M. DRAWN: D.F. CHECKED: D.L. DATE: 1/7/83 SHEET 8 OF 9

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	D-16911	1983	10	10



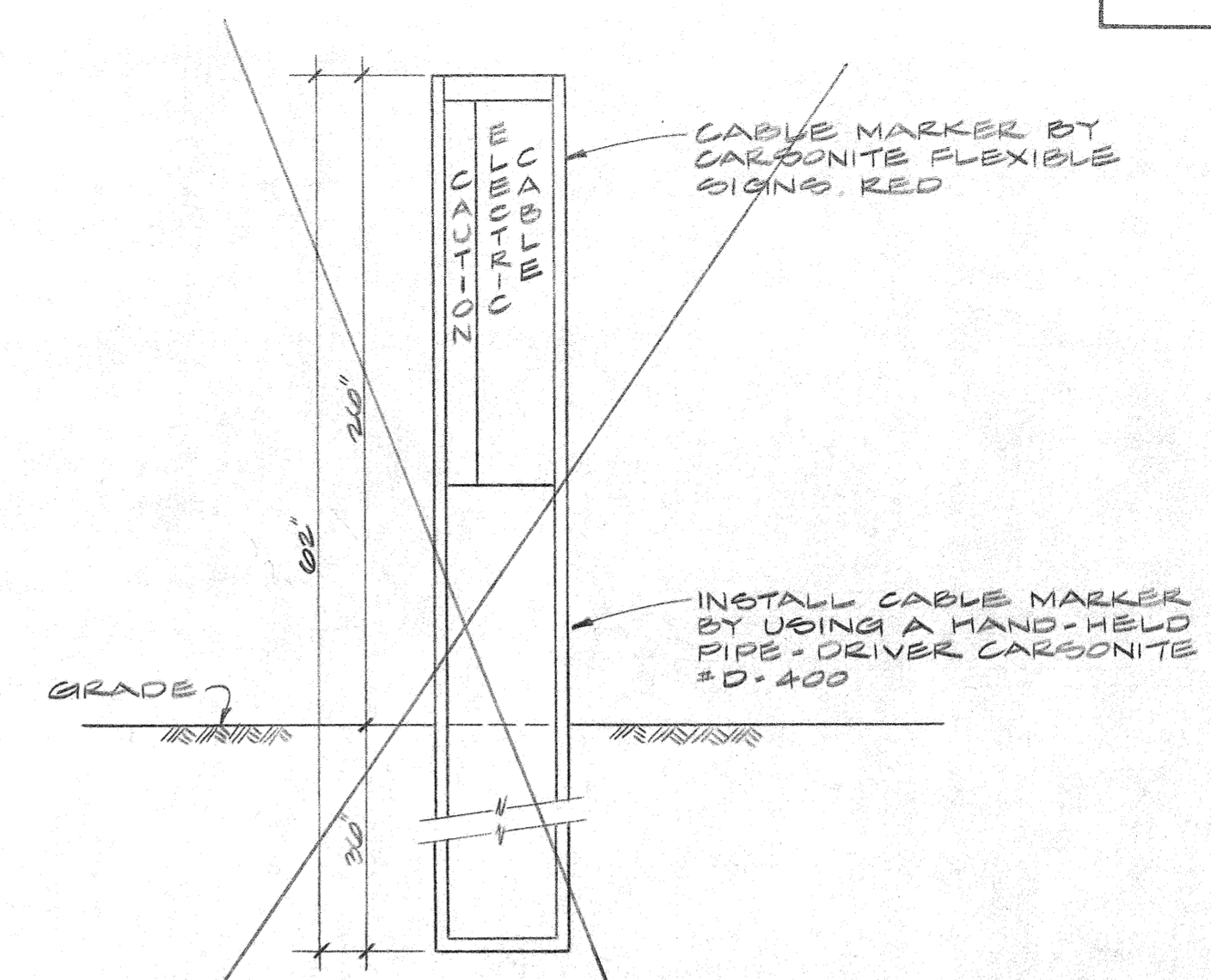
DETAIL 9A

NO-HUB COUPLING
NO SCALE



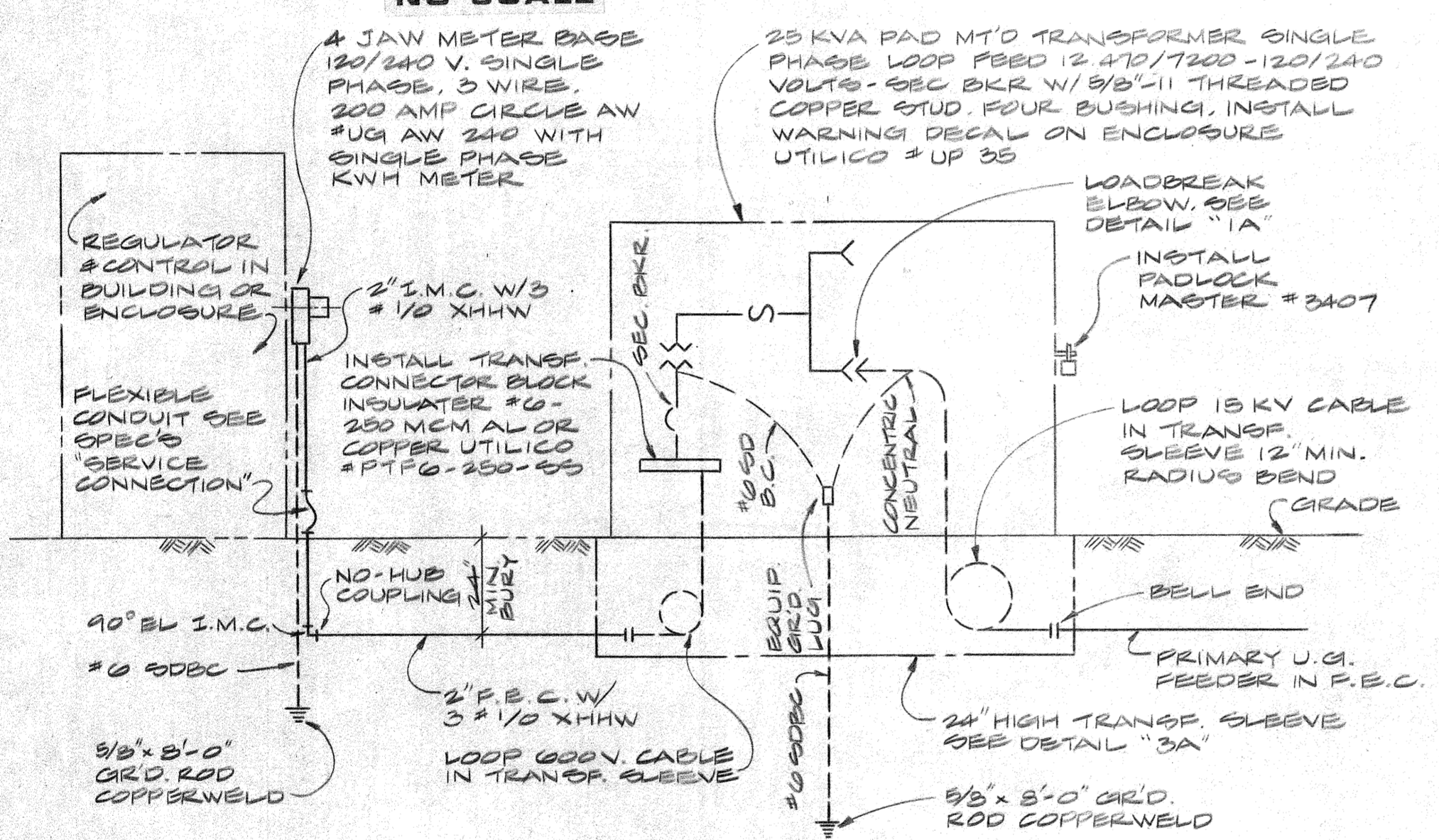
DETAIL 9B

CONDUIT TRENCHING
NO SCALE



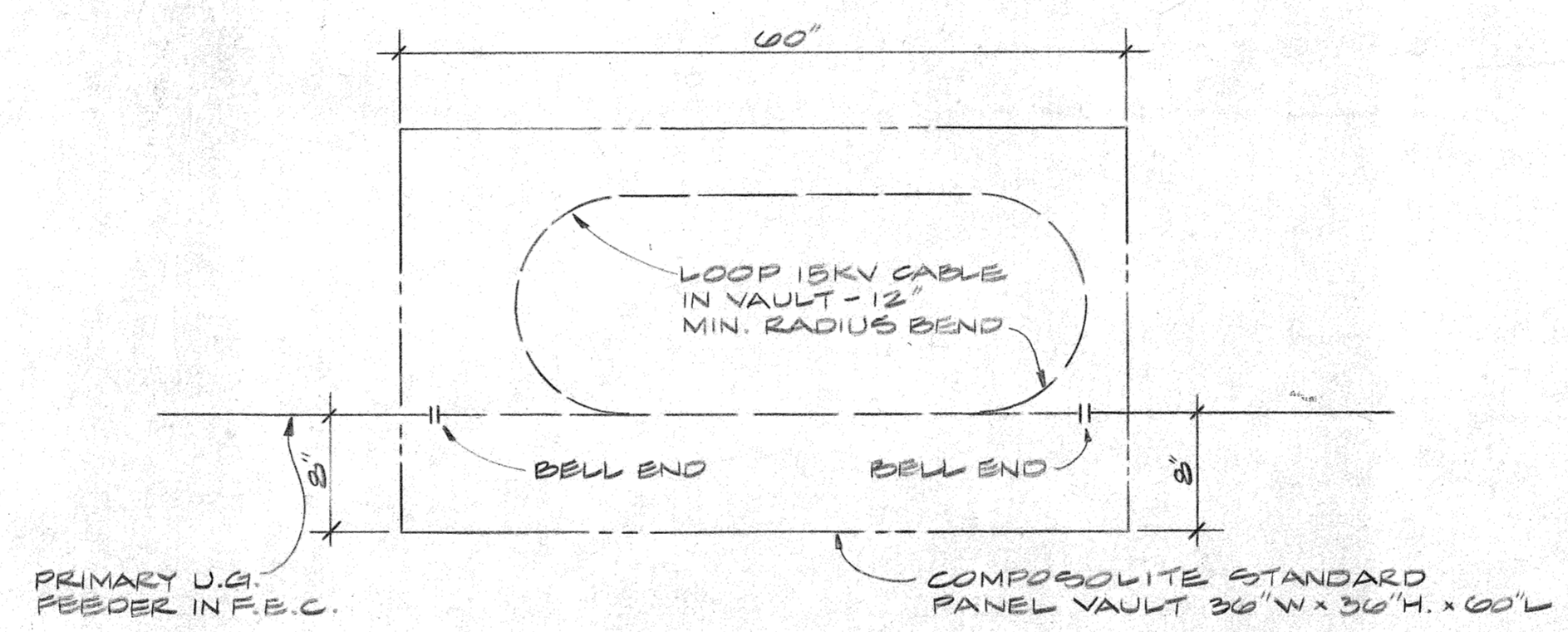
DETAIL 9C

CABLE MARKER
NO SCALE



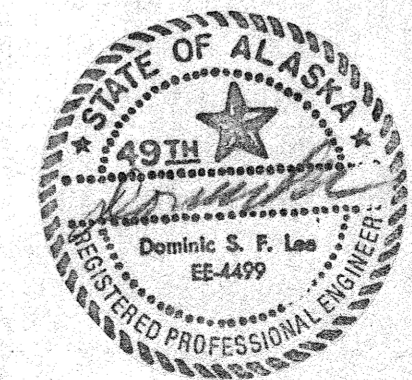
DETAIL 9D

PAD MOUNTED TRANSFORMER ON GRADE
NO SCALE



DETAIL 9E

PLAN VIEW ELECTRICAL VAULT END ENTRANCE - NO TERMINATION
NO SCALE



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**HOONAH AIRPORT
ELECTRICAL DETAILS**

APPROVED BY:	<i>William A. Locher</i>	WILLIAM A. LOCHER, P.E.	S.E. REGION AVIATION DESIGN ENGINEER
APPROVED BY:	<i>William L. Baumgartner</i>	WILLIAM L. BAUMGARTNER, P.E.	S.E. REGION DESIGN ENGINEER
DESIGNED:	F.M.	DRAWN:	D.P.
CHECKED:	D.L.	DATE:	1/7/82

BY	DATE	CHANGE
REVISIONS		