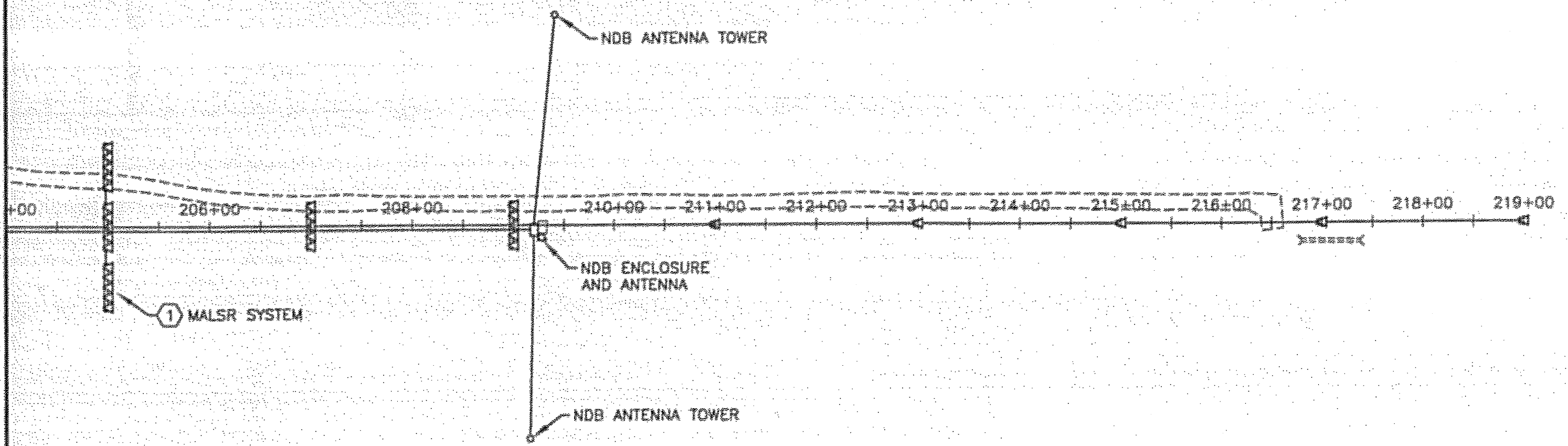


MATCHLINE STA 204+00

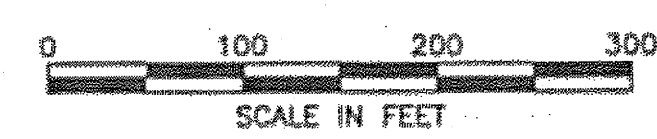


DEMOLITION NOTES:

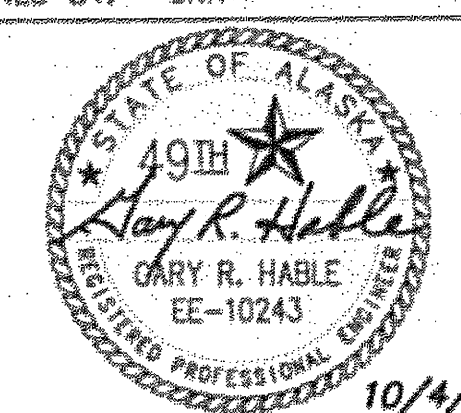
1. REMOVE EQUIPMENT INDICATED ON DEMOLITION PLANS UNLESS OTHERWISE NOTED. REMOVAL INCLUDES ALL ASSOCIATED CONDUIT, JUNCTION BOXES, CONDUCTORS, LIGHT BASES, TRANSFORMERS, CONTROLLERS, DRAIN CONDUITS, SUPPORT STRUCTURES, FOUNDATIONS, AND CONCRETE.
2. REMOVE ALL UNUSED AND DECOMMISSIONED CONDUCTORS UNLESS OTHERWISE INDICATED. UNDERGROUND CONDUITS MAY BE ABANDONED IN PLACE UNLESS DISTURBED BY EXCAVATION ASSOCIATED WITH THIS PROJECT.
3. WHEN REMOVING CONDUCTORS FROM EXISTING CONDUIT TO REMAIN, INSTALL A PULL ROPE FOR FUTURE USE.

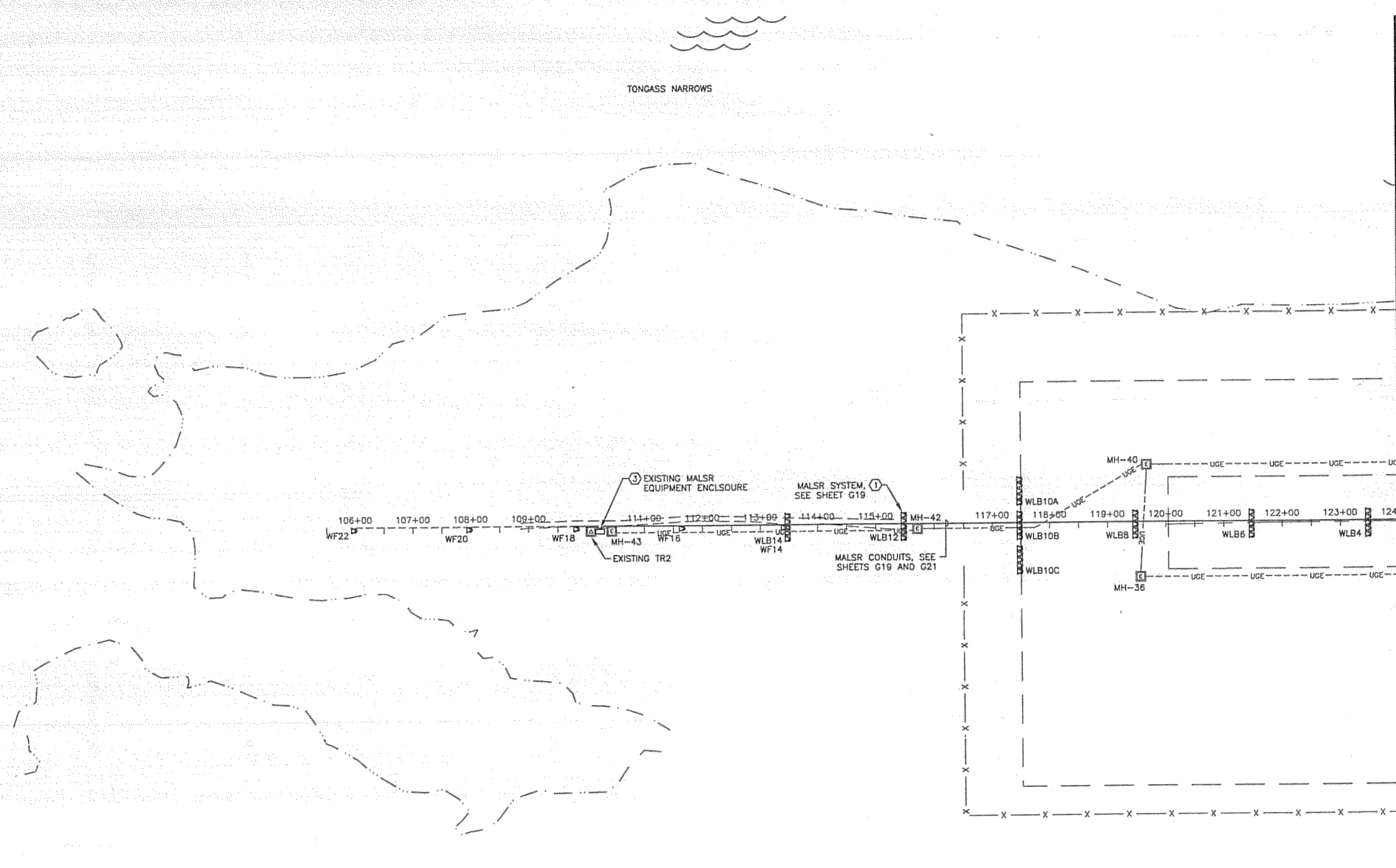
SHEET NOTES: ○

1. REMOVE EXISTING MALSR SYSTEM. EXISTING TOWER BASE ASSEMBLIES TO BE REUSED. PROTECT AND STORE EQUIPMENT UNTIL REINSTALLED.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\823400\Draws\E\Sheets\G05.dwg		
Tue, 03/Oct/06 02:19PM Ischneller		
TAB: G05		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
KETCHIKAN AIRPORT RUNWAY SAFETY AREA EXPANSION & RUNWAY OVERLAY PROJECT NO. 68306		
ELECTRICAL DEMOLITION		
PREPARED BY: USKH INC.		
CHECKED BY: GRH		
		
DESIGNED BY: LPS		
DRAWN BY: LPS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION		
ELECTRICAL DEMOLITION		
PROJECT DESIGNATION		
AIP NO. 3-02-0144-1606		
STATE	YEAR	
ALASKA	2006	
SHEET NUMBER	TOTAL SHEETS	
G5	131	

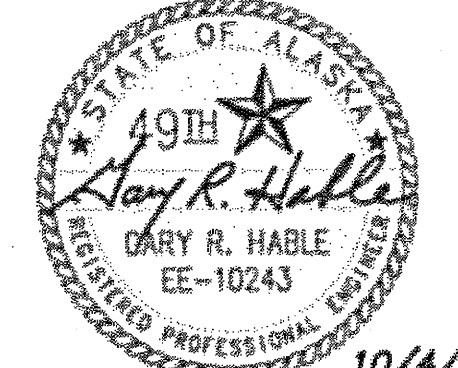


SHEET NOTES:

1. REINSTALL EXISTING MALSF EQUIPMENT AS A MALSR SYSTEM. REPAIR OR REPLACE ANY DAMAGED COMPONENTS. SEE SHEETS G19 AND G21 FOR WORK REQUIRED AT EACH LOCATION.
2. NOT USED.
3. CONNECT NEW CONDUITS TO EXISTING CONDUITS LEAVING EXISTING MALSR BUILDING. CONNECT NEW CONDUCTORS TO EXISTING MALSR CONTROLS.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: t:\023400\Drawings\Sheets\006.dwg Tue, 03/Oct/06 02:20PM tschneller TAB: G06		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
KETCHIKAN AIRPORT RUNWAY SAFETY AREA EXPANSION & RUNWAY OVERLAY PROJECT NO. 68306		
ELECTRICAL LAYOUT		
PREPARED BY: USKH INC. CHECKED BY: GRH		
		
DESIGNED BY: LPS DRAWN BY: LPS		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION		
ELECTRICAL LAYOUT		
PROJECT DESIGNATION AIP NO. 3-02-0144-1606		
STATE	YEAR	
ALASKA	2006	
SHEET NUMBER	TOTAL SHEETS	
G6	131	

MATCHLINE STA 124+00

MATCHLINE STA 150+50

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Tue, 03/Oct/06 02:20PM Ischneller
TAB: G07

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

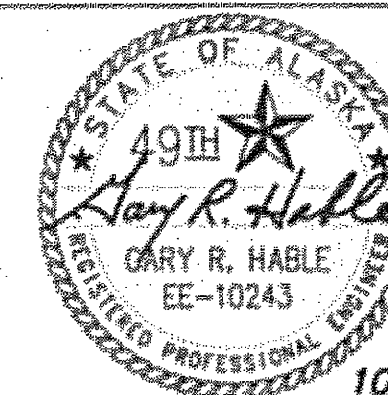
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL LAYOUT

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**ELECTRICAL
LAYOUT**

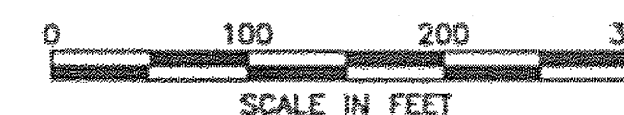
PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G7	131

SHEET NOTES:

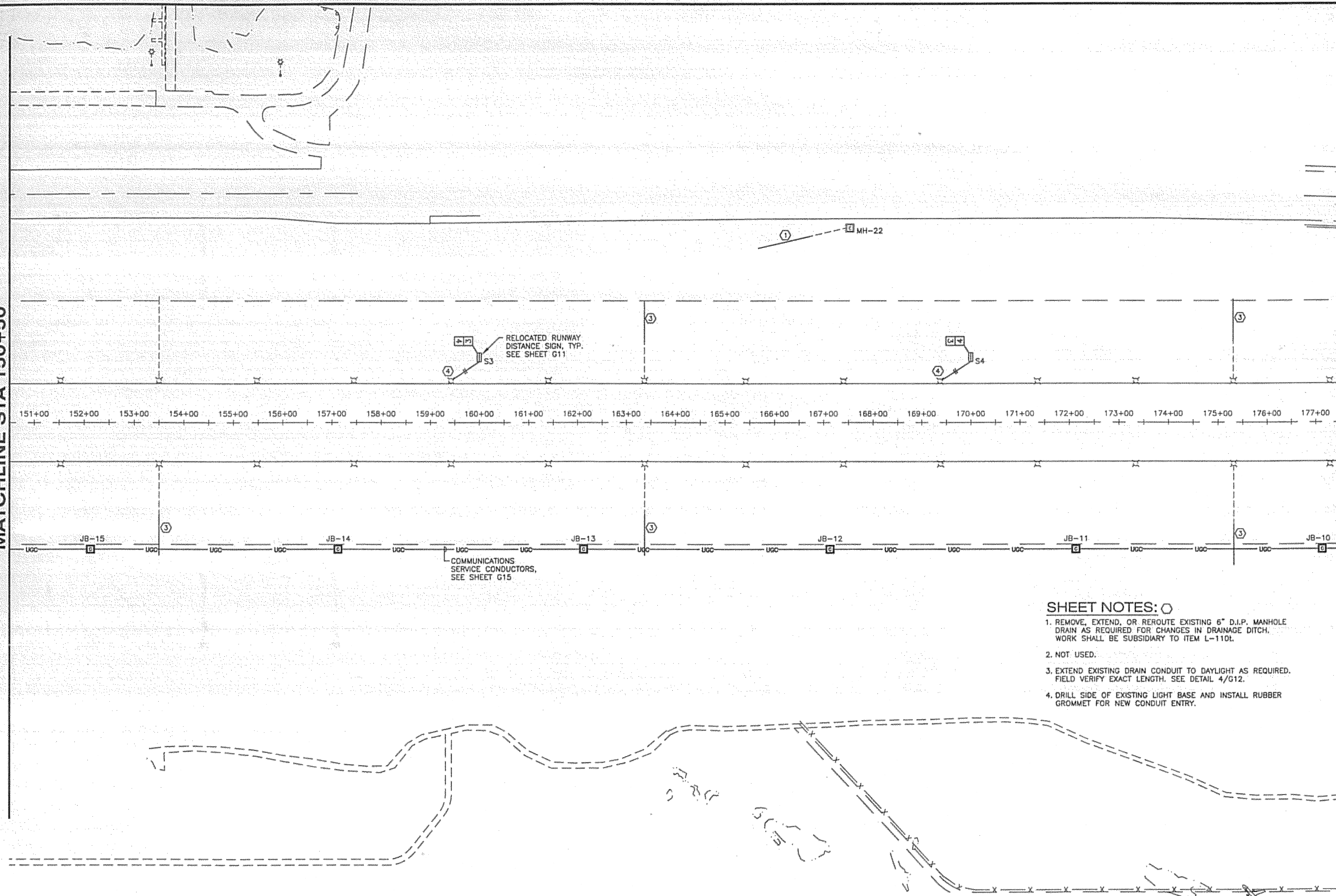
1. INSTALL NEW FOUNDATIONS AND POWER SUPPLY FOR ASOS. ASOS RAILS AND EQUIPMENT TO BE RELOCATED BY FAA.
2. EXTEND DRAIN CONDUIT TO DAYLIGHT. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.
3. EXTEND EXISTING DRAIN CONDUIT TO DAYLIGHT AS REQUIRED. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.
4. DRILL SIDE OF EXISTING LIGHT BASE AND INSTALL RUBBER GROMMET FOR NEW CONDUIT ENTRY.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

See attached Electrical Asbuilts

MATCHLINE STA 150+50



SHEET NOTES:

1. REMOVE, EXTEND, OR REROUTE EXISTING 6" D.I.P. MANHOLE DRAIN AS REQUIRED FOR CHANGES IN DRAINAGE DITCH. WORK SHALL BE SUBSIDIARY TO ITEM L-1101.
2. NOT USED.
3. EXTEND EXISTING DRAIN CONDUIT TO DAYLIGHT AS REQUIRED. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.
4. DRILL SIDE OF EXISTING LIGHT BASE AND INSTALL RUBBER GROMMET FOR NEW CONDUIT ENTRY.

0 100 200 300
SCALE IN FEET

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
I:\823400\Draws\E\Sheets\G08.dwg

Tue, 03/Oct/06 02:20PM Ischneller
TAB: G08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

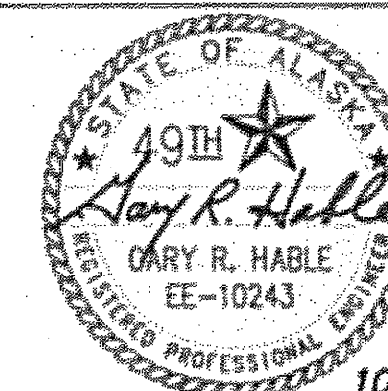
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL LAYOUT

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**ELECTRICAL
LAYOUT**

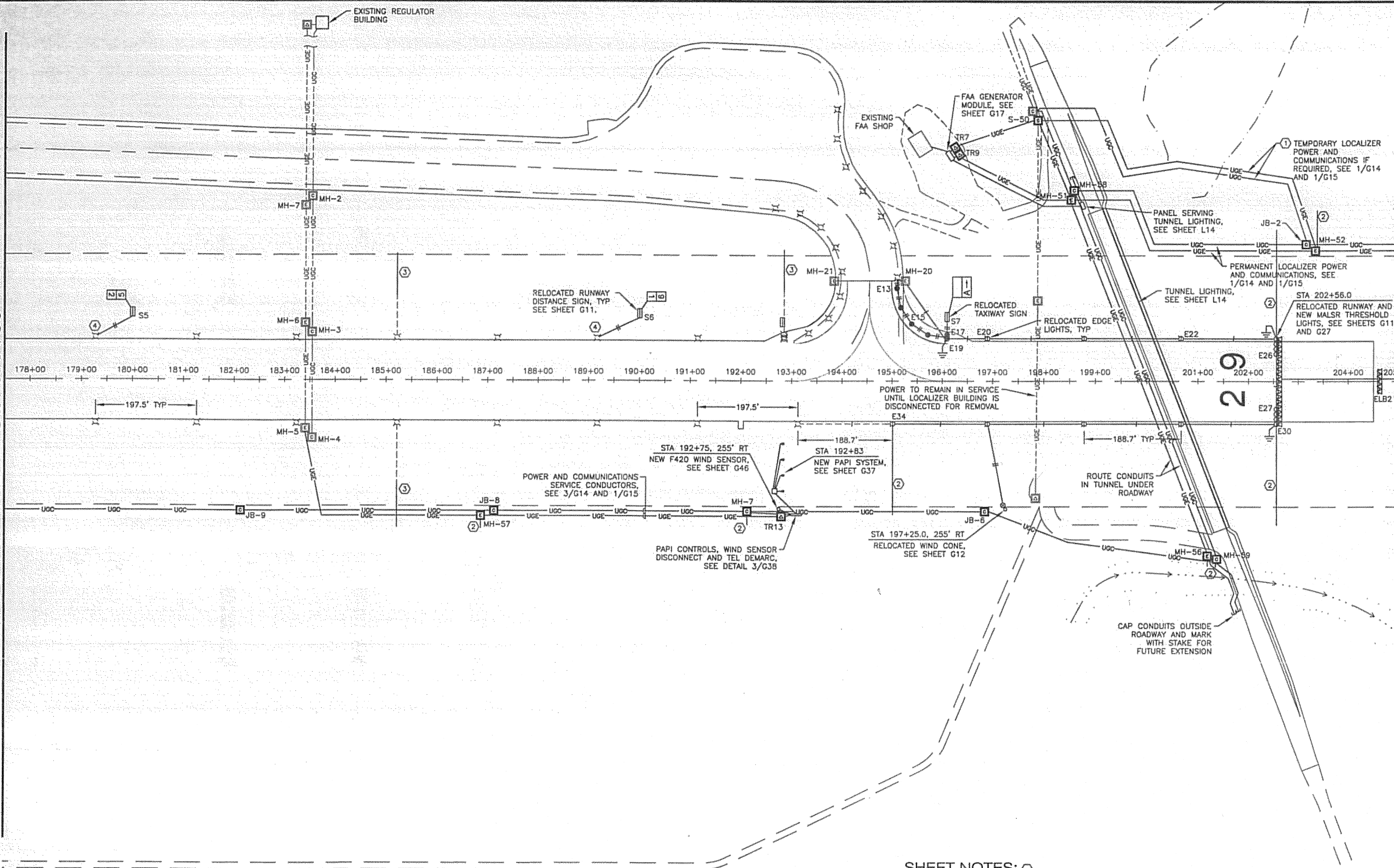
PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G8	131

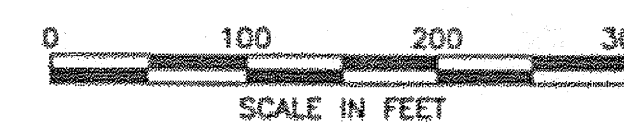
See attached Electrical Asbuilts

MATCHLINE STA 177+50



SHEET NOTES: ○

1. INSTALL IN HDPE LAID ON SURFACE, REMOVE AFTER CONNECTION OF PERMANENT CONDUCTORS.
2. EXTEND DRAIN CONDUIT TO DAYLIGHT. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.
3. EXTEND EXISTING DRAIN CONDUIT TO DAYLIGHT AS REQUIRED. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.
4. DRILL SIDE OF EXISTING LIGHT BASE AND INSTALL RUBBER GROMMET FOR NEW CONDUIT ENTRY.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
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TAB: G09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

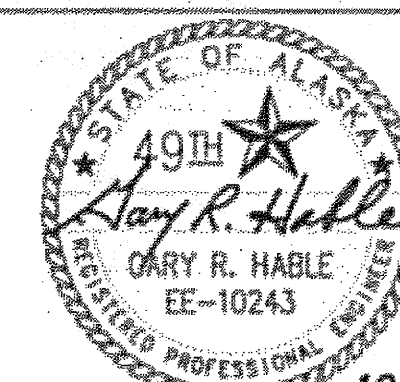
MATCHLINE STA 205+00

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL LAYOUT

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**ELECTRICAL
LAYOUT**

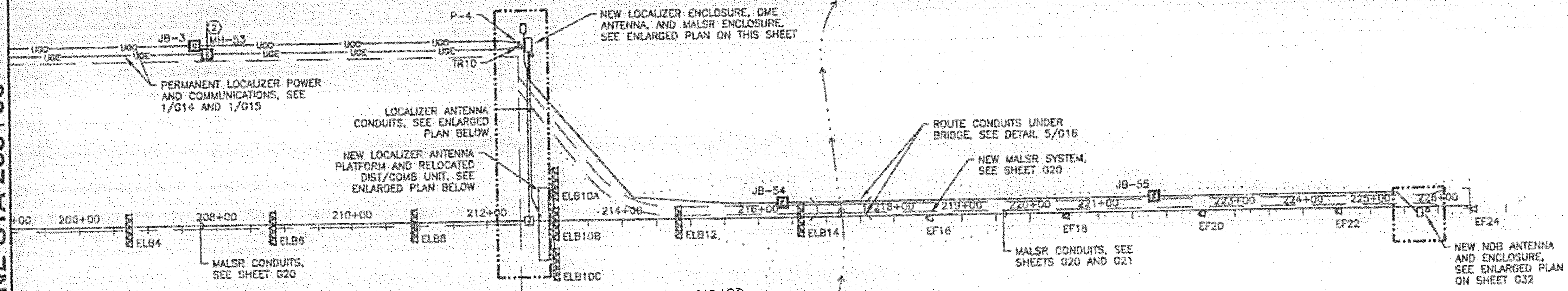
PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

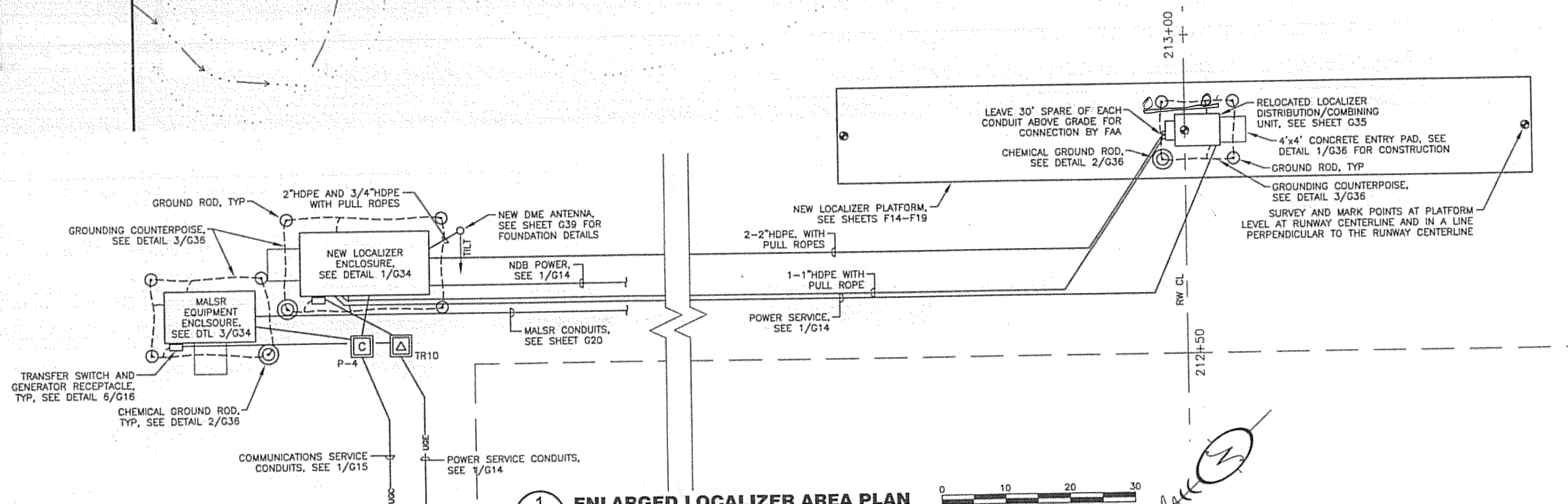
STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G9	131

See attached Electrical Asbuilts

MATCHLINE STA 205+00



- SHEET NOTES:**
1. INSTALL IN HDPE LAID ON SURFACE. REMOVE AFTER CONNECTION OF PERMANENT CONDUCTORS.
 2. EXTEND DRAIN CONDUIT TO DAYLIGHT. FIELD VERIFY EXACT LENGTH. SEE DETAIL 4/G12.



1 ENLARGED LOCALIZER AREA PLAN
G10 N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\823400\Draws\G10\Sheets\G10.dwg
Tue, 03/Oct/06 02:21PM Ischneller
TAB: G10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL LAYOUT

PREPARED BY: USKH INC.
CHECKED BY: GRH

DESIGNED BY: LPS
DRAWN BY: LPS

STATE OF ALASKA
49TH
Gary R. Hable
REGISTERED PROFESSIONAL ENGINEER
EE-10243
10/4/06

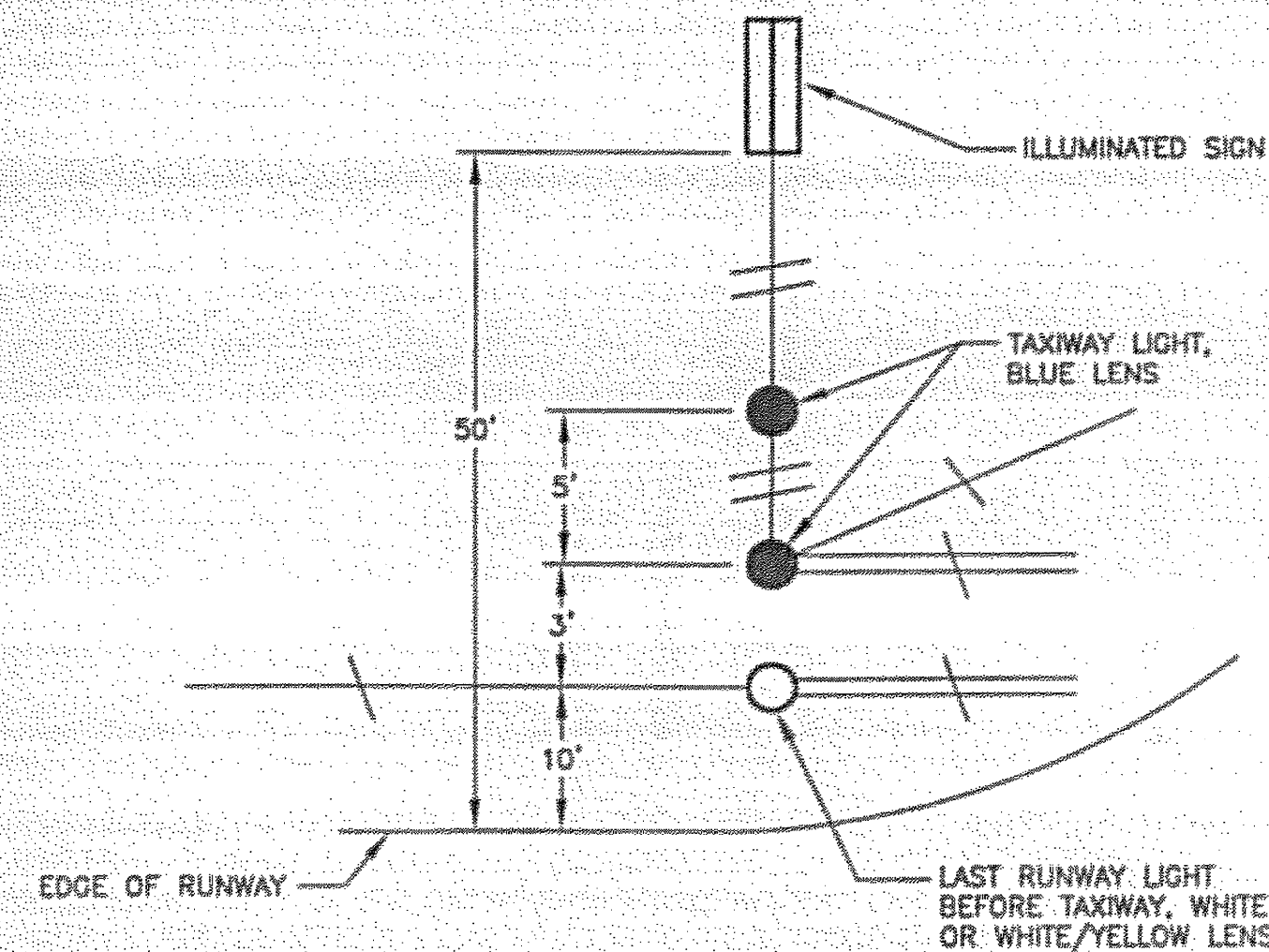
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

ELECTRICAL LAYOUT

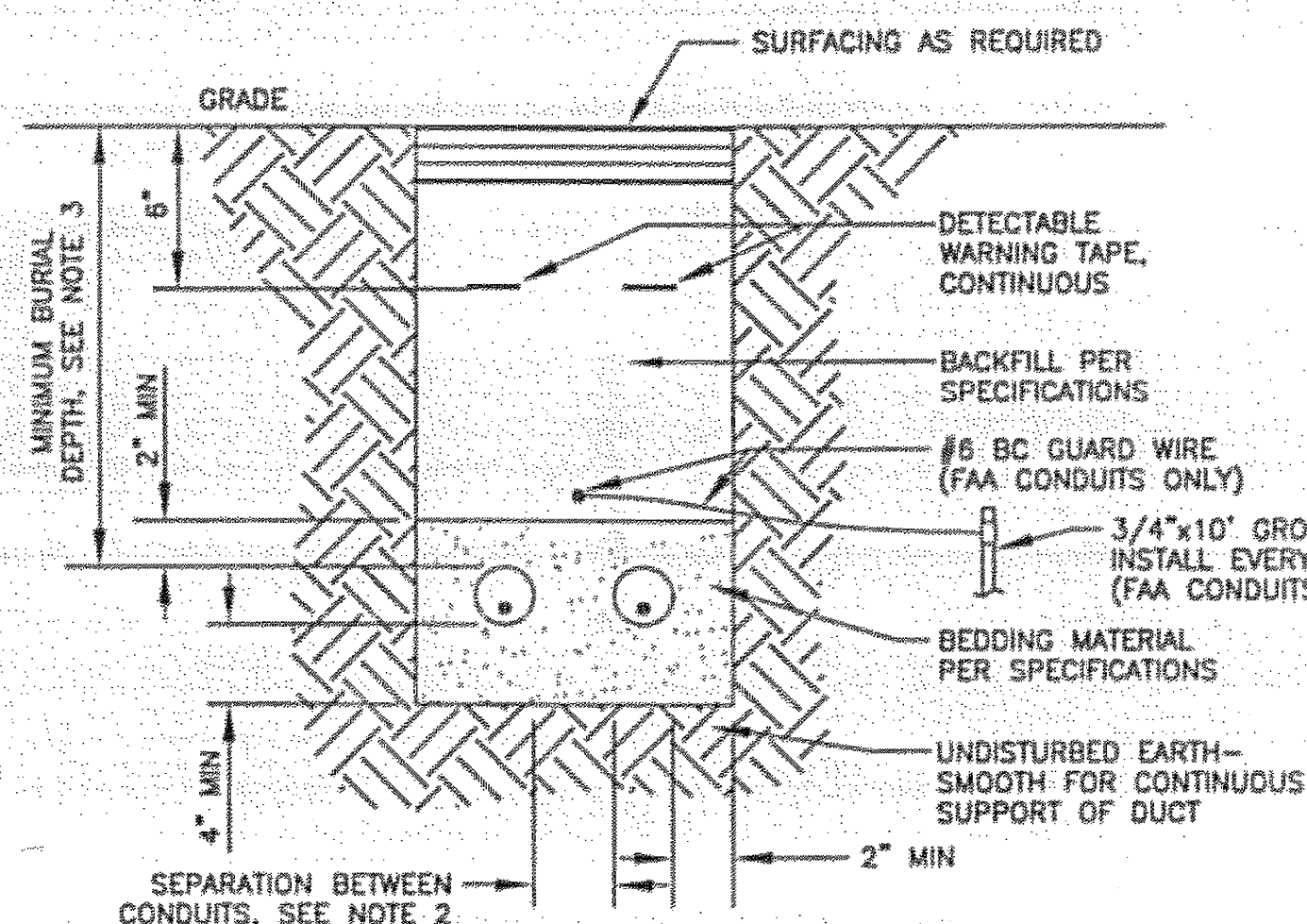
PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
G10	131

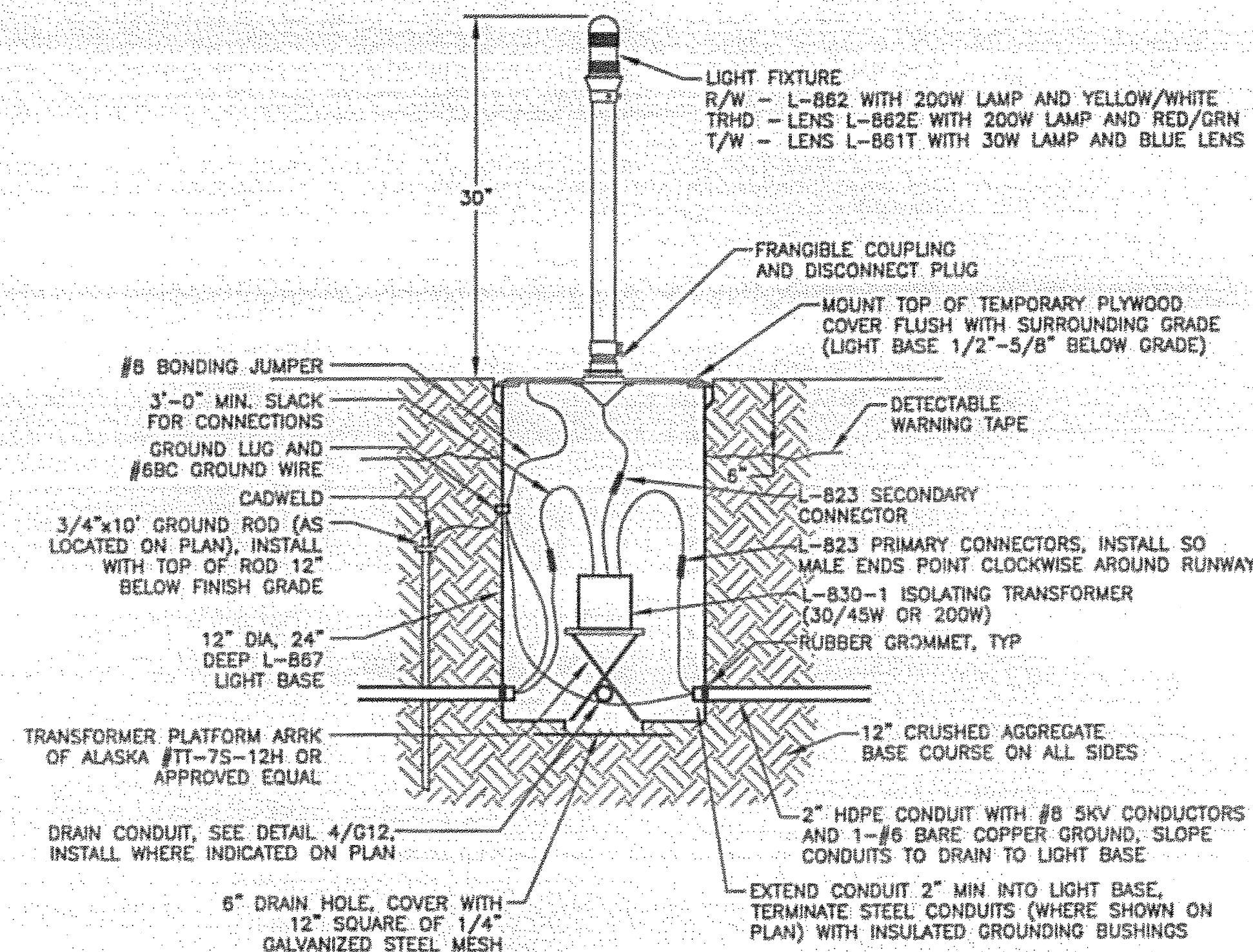


3 TAXIWAY INTERSECTION DETAIL
G11 N.T.S.

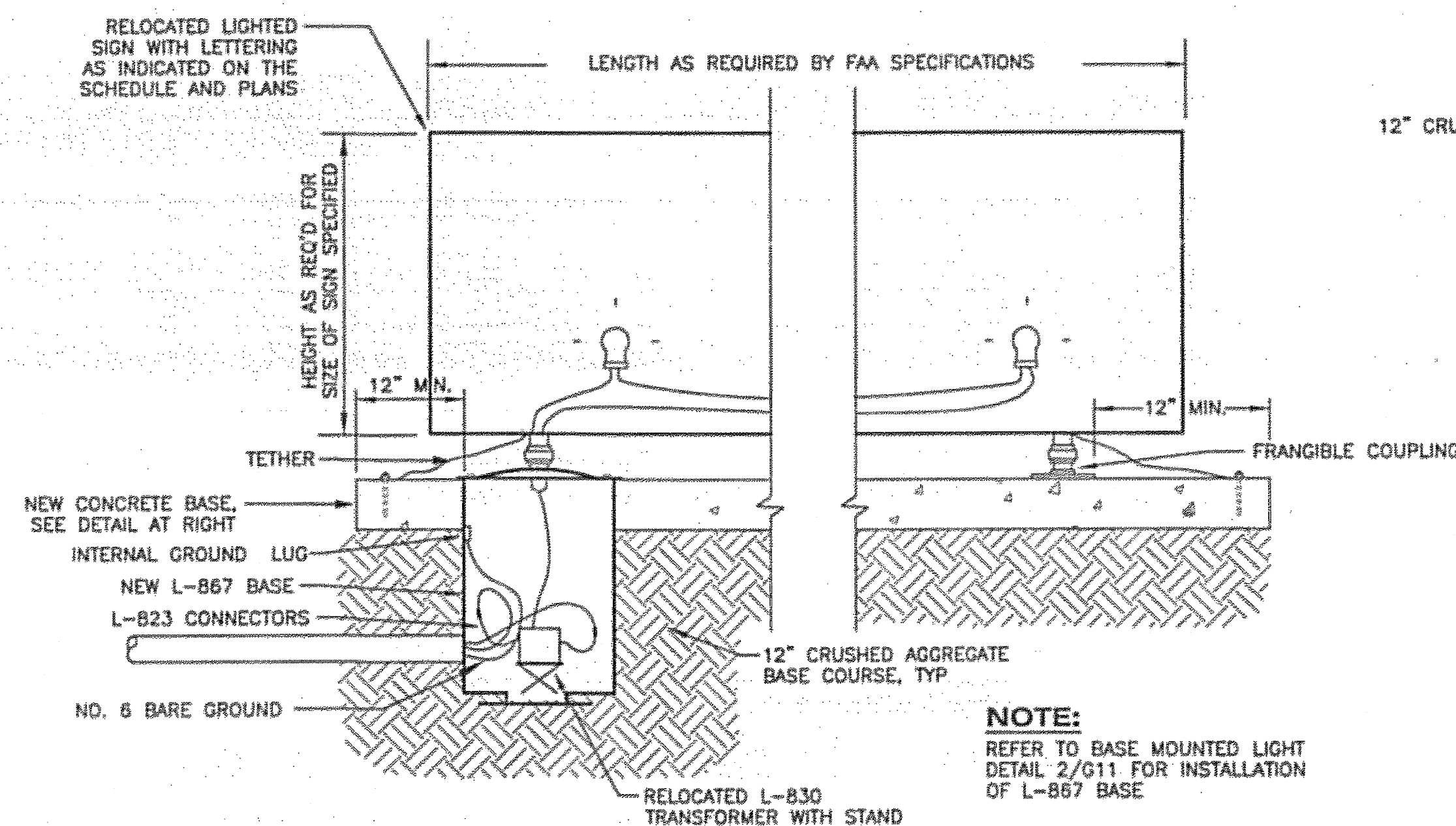


- NOTES:**
1. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH DETERMINED IN FIELD (2 SHOWN)
 2. SEPARATION BETWEEN CONDUITS SHALL BE AS FOLLOWS:
-CONDUITS OF SAME SYSTEM - 2"
-AIRPORT LIGHTING AND FAA CONDUITS - 12" MIN
-PRIMARY POWER AND ANY OTHER CONDUIT - 18" MIN
-TELECOM SERVICE AND ANY OTHER CONDUIT - 18" MIN
 3. MINIMUM BURIAL DEPTH SHALL BE AS FOLLOWS:
-AIRPORT LIGHTING CONDUITS - 18"
-FAA CONDUITS - 24"
-PRIMARY POWER - 36"
-TELECOM SERVICE - 36"

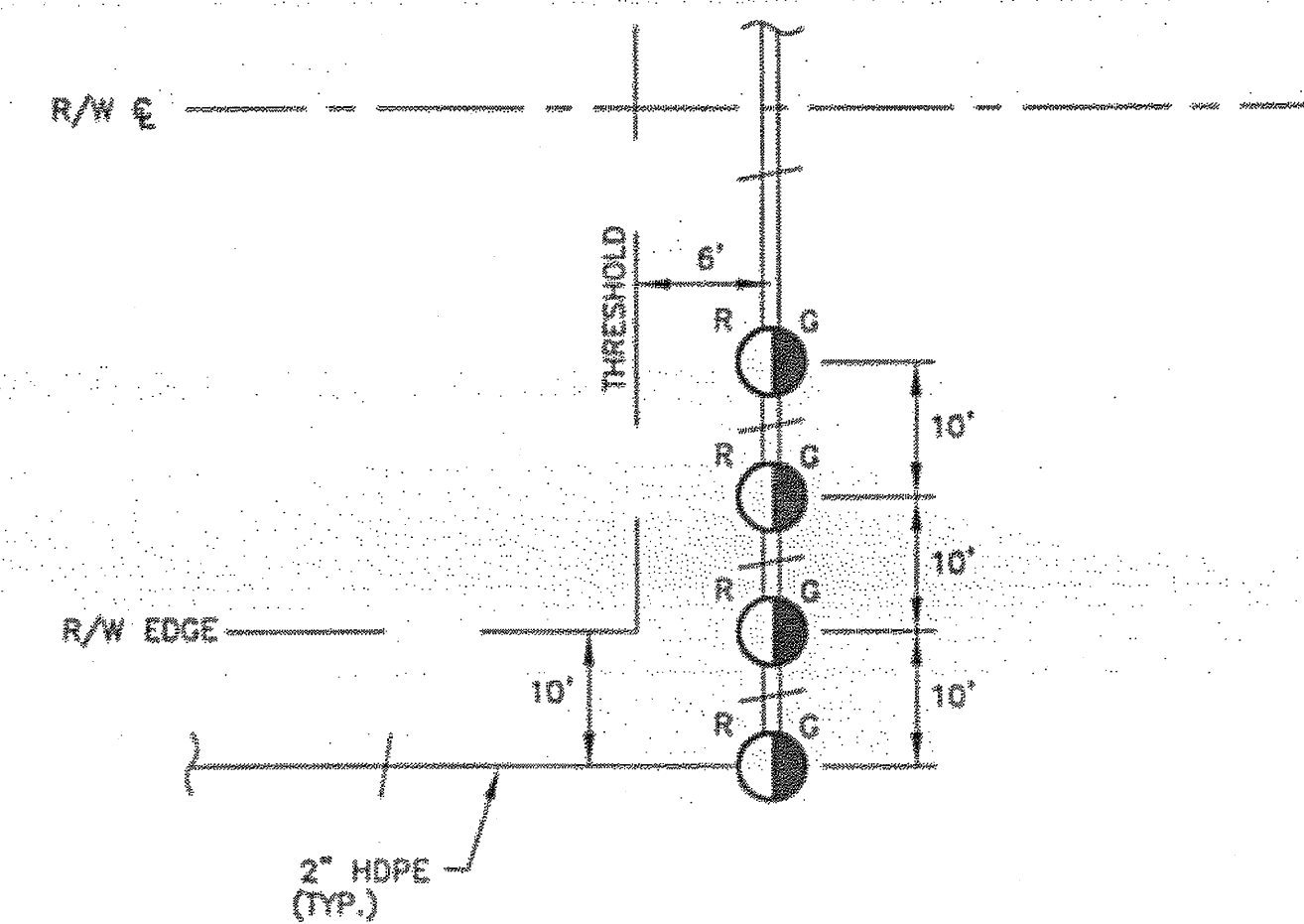
5 TYPICAL TRENCH DETAIL
G11 N.T.S.



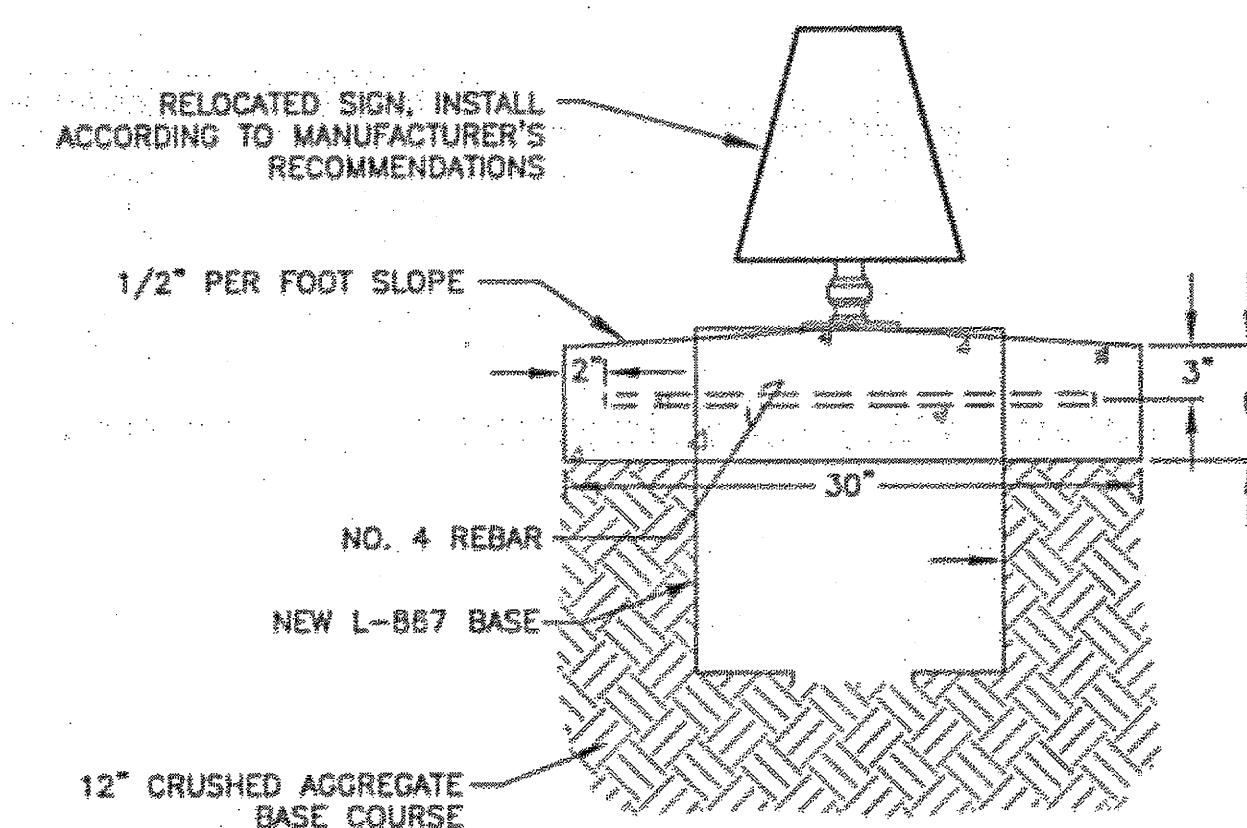
2 BASE MOUNTED LIGHT DETAIL
G11 N.T.S.



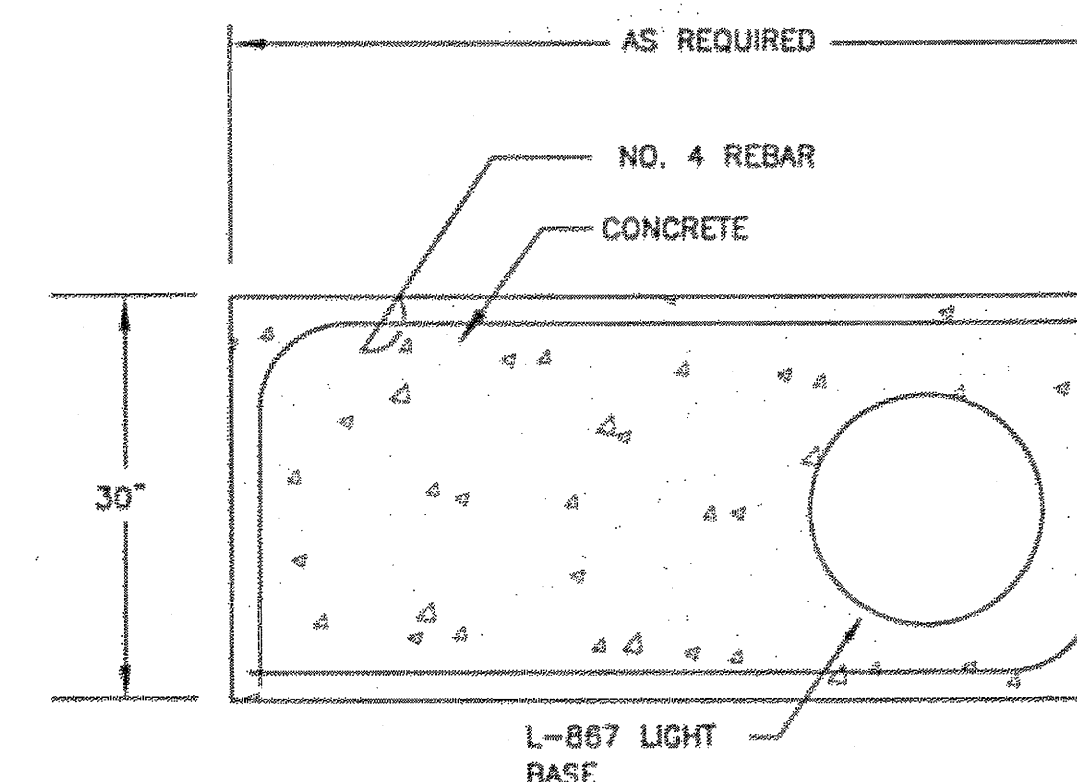
4 ILLUMINATED SIGN DETAILS
G11 N.T.S.



1 THRESHOLD LIGHTING DETAIL
G11 N.T.S.



END VIEW



TOP VIEW

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
I:\B23400\Draws\E\Sheets\G11.dwg
Tue, 03/Oct/06 02:18PM Ischneller
TAB: G11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

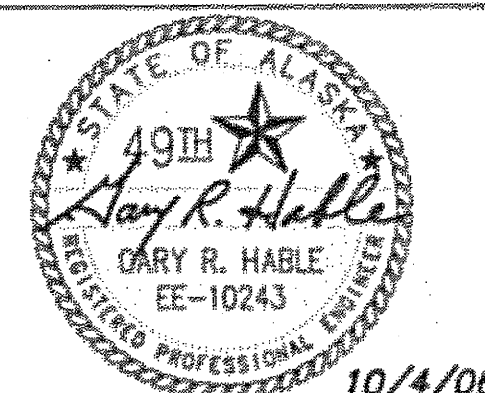
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL & LIGHTING DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

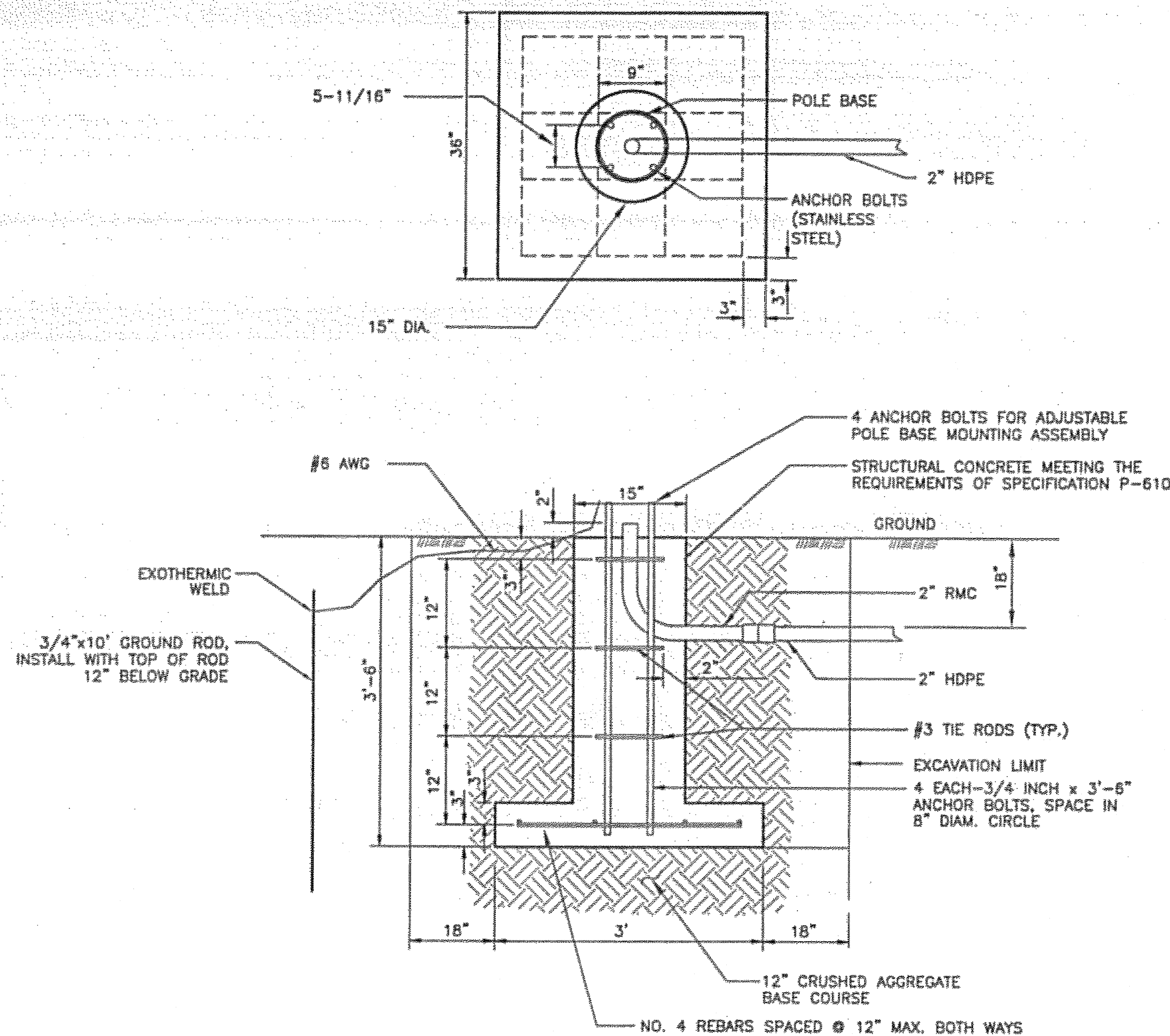
**ELECTRICAL
& LIGHTING
DETAILS**

PROJECT DESIGNATION

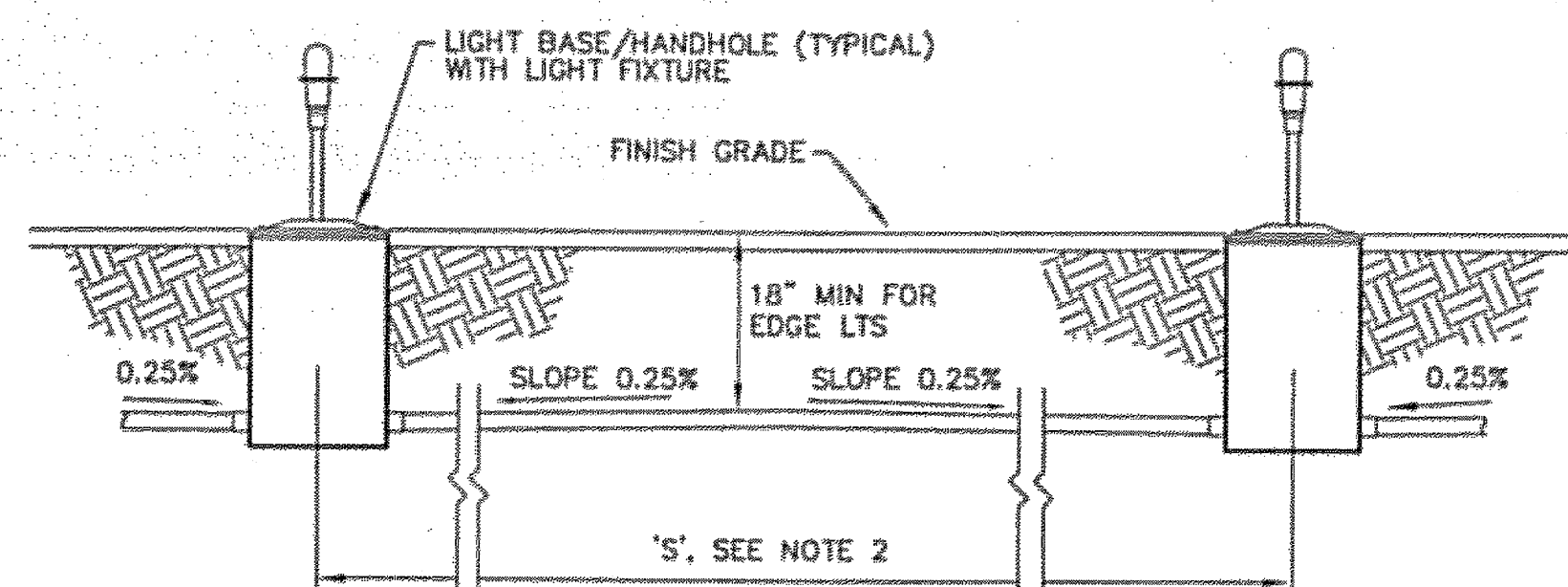
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G11	131

See attached Electrical Asbuilts

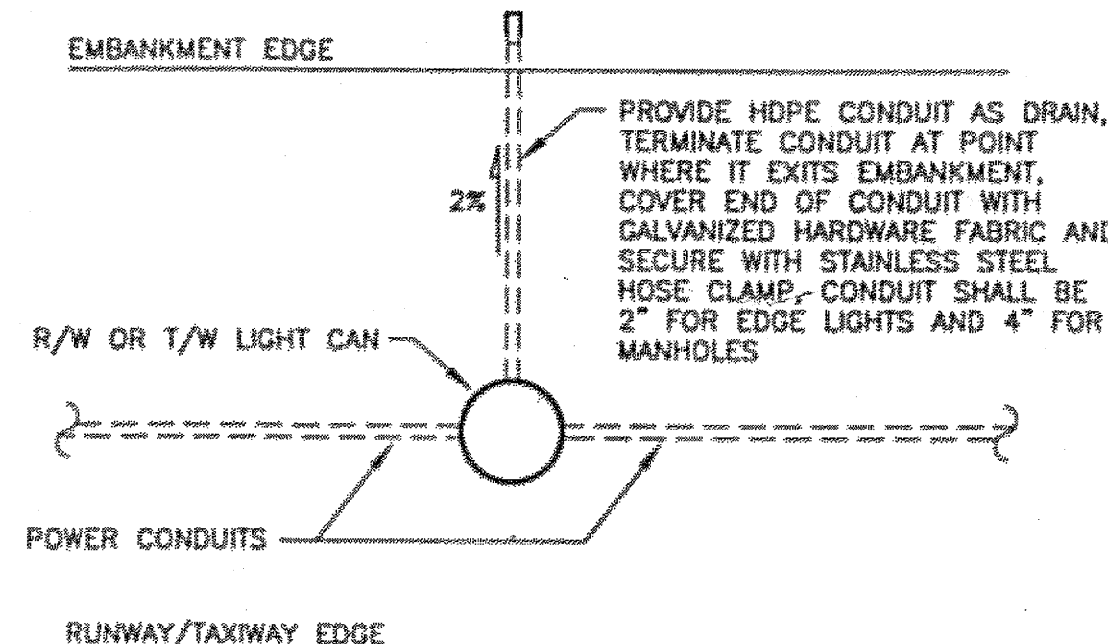


2 WIND CONE FOUNDATION DETAILS
G12 N.T.S.

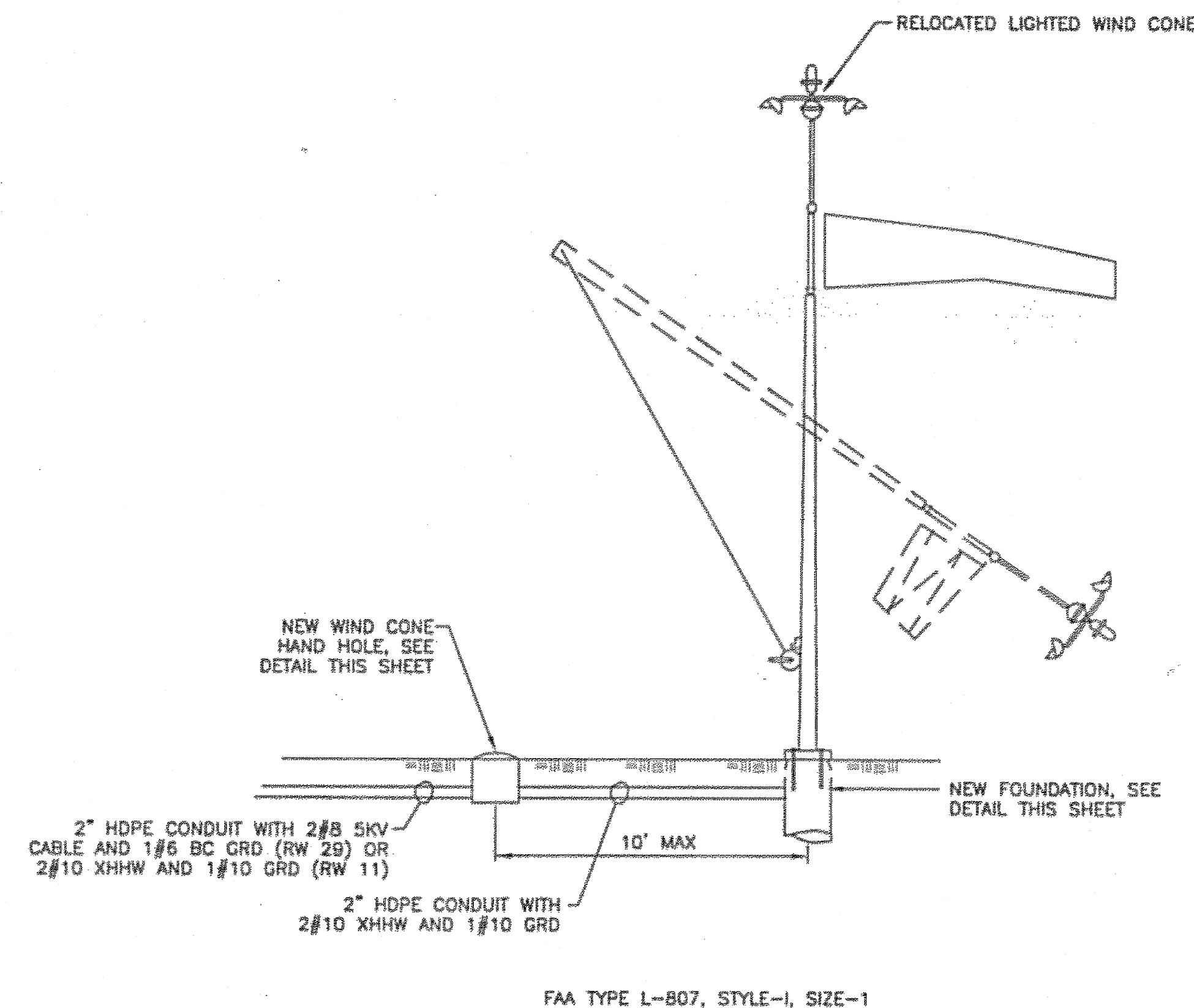


- NOTES:**
- CONDUIT SHALL BE INSTALLED WITH CROWN TO DRAIN TO LIGHT BASES AS SHOWN.
 - IF 'S' IS LESS THAN 20', OR IF 0.25% SLOPE CAN BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF GRADE, LAY CONDUIT STRAIGHT WITHOUT CROWN BETWEEN BASES/HANDHOLES.
 - A THIRD HUB FOR A CONDUIT DRAIN SHALL BE PROVIDED WHERE SHOWN ON PLANS.

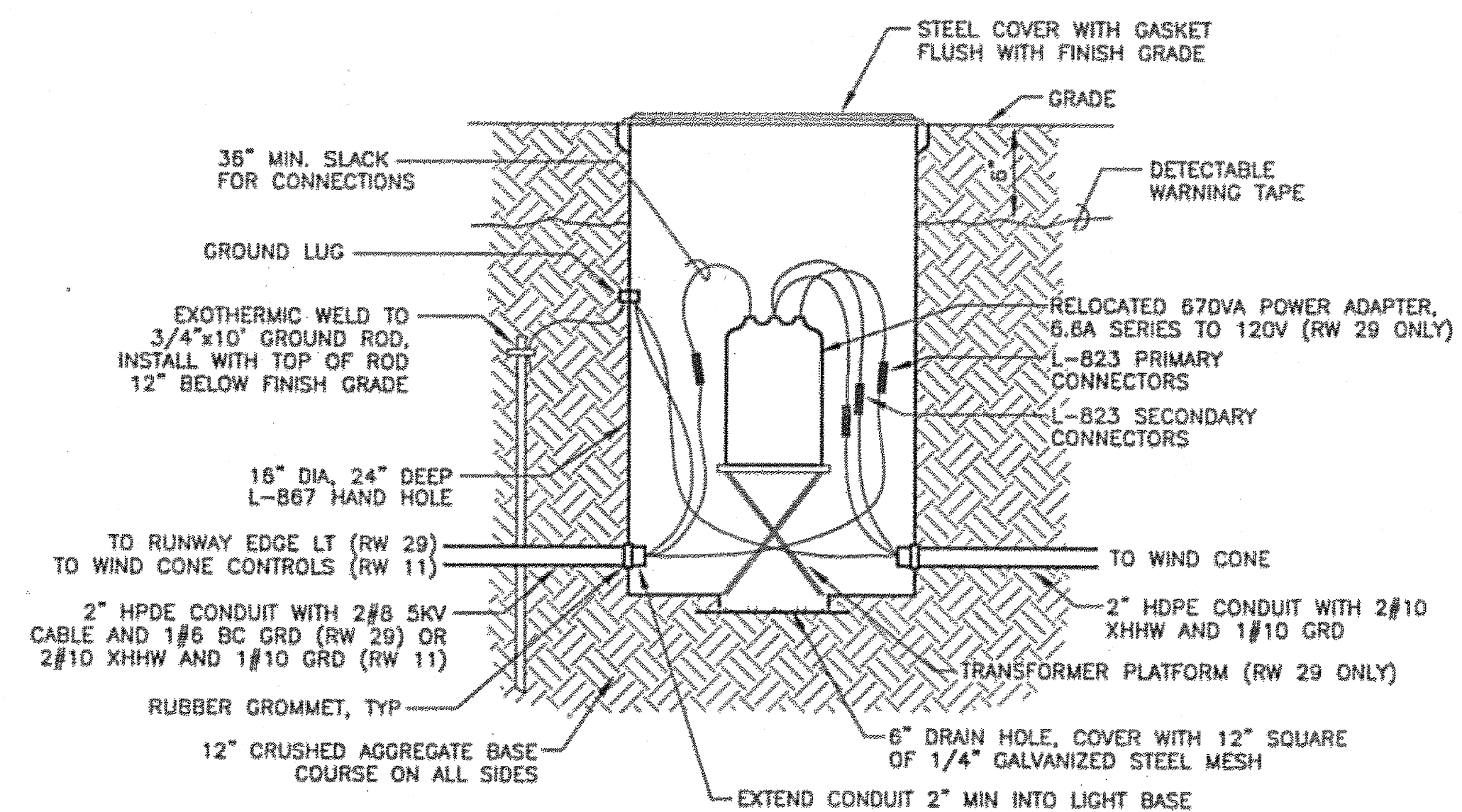
5 TYPICAL INTERCONNECTION DETAIL
G12 N.T.S.



4 DRAIN CONDUIT DETAIL
G12 N.T.S.



1 LIGHTED WIND CONE ASSEMBLY
G12 N.T.S.



- NOTES:**
- AT RW 11, ROUTE #10 CONDUCTORS STRAIGHT THROUGH HANDHOLE WITH NO SPLICES, LEAVE 36" SLACK CONDUCTOR COILED IN HANDHOLE.
 - AT RW 11, RELOCATE EXISTING WIND CONE DISCONNECT AND CONTROLLER (WITH PHOTOCELL) TO NEW SUPPORT STRUCTURE AS SHOWN ON G31. RECONNECT EXISTING CONTROLLER TO MATCH EXISTING CONFIGURATION.

3 WIND CONE HAND HOLE
G12 N.T.S.

PATH: I:\823400\Draws\E\Sheets\G12.dwg
Tue, 03/Oct/06 02:21PM Ischneller
TAB: G12

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

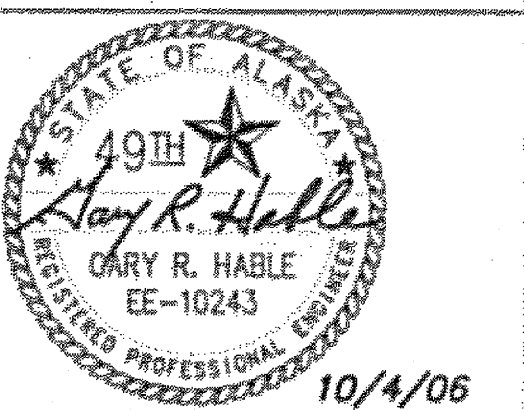
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL & LIGHTING DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**ELECTRICAL
& LIGHTING
DETAILS**

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G12	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

See attached Electrical Asbuilts

SIGN SCHEDULE													
NUM	SIDE	PANEL	LEGEND	TYPE	LEGEND COLOR	FACE COLOR	STATION	OFFSET	SIZE	STYLE	CLASS	MODE	REMARKS
S1	1	1	6	L-858B	WHITE	BLACK	140+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	1	L-858B	WHITE	BLACK							EXISTING SIGN
S2	1	1	5	L-858B	WHITE	BLACK	150+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	2	L-858B	WHITE	BLACK							EXISTING SIGN
S3	1	1	4	L-858B	WHITE	BLACK	160+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	3	L-858B	WHITE	BLACK							EXISTING SIGN
S4	1	1	3	L-858B	WHITE	BLACK	170+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	4	L-858B	WHITE	BLACK							EXISTING SIGN
S5	1	1	2	L-858B	WHITE	BLACK	180+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	5	L-858B	WHITE	BLACK							EXISTING SIGN
S6	1	1	1	L-858B	WHITE	BLACK	190+00.0	134.1	LT	-	-	-	REINSTALL
	2	1	6	L-858B	WHITE	BLACK							EXISTING SIGN
S7	1	-	-	-	-	-	196+09.8	119.2	LT	5	-	-	REINSTALL EXISTING SIGN
	2	1	A	L-858Y	BLACK	YELLOW							WITH NEW PANELS, FIELD VERIFY SIZE PRIOR TO ORDERING PANELS

STATION AND OFFSET INDICATED IS AT CENTER OF SIGN. DEPTH ON END NEAREST TO EDGE OF TAXIWAY UNLESS OTHERWISE INDICATED.

NOTE: TRANSFORMERS SHALL BE SIZED AS RECOMMENDED BY THE SIGN MANUFACTURER.

TAXIWAY EDGE LIGHT SCHEDULE							
NUM	LENS COLOR	TYPE	WATTAGE		STATION	OFFSET	REMARKS
			LAMP	XFMR			
E1	B	L-861T	30	30/45	127+49.2	203.8 LT	RELOCATED
E2	B	L-861T	30	30/45	127+49.2	148.4 LT	RELOCATED
E3	B	L-861T	30	30/45	127+49.2	93.0 LT	RELOCATED
E4	B	L-861T	30	30/45	127+49.24	88.0 LT	RELOCATED
E5	G/R	L-862E	200	200	127+44.0	85.0 LT	RELOCATED
E6	G/R	L-862E	200	200	127+44.0	75.0 LT	RELOCATED
E7	G/R	L-862E	200	200	127+44.0	65.0 LT	RELOCATED
E8	G/R	L-862E	200	200	127+44.0	55.0 LT	RELOCATED
E9	G/R	L-862E	200	200	127+44.0	55.0 RT	RELOCATED
E10	G/R	L-862E	200	200	127+44.0	65.0 RT	RELOCATED
E11	G/R	L-862E	200	200	127+44.0	75.0 RT	RELOCATED
E12	G/R	L-862E	200	200	127+44.0	85.0 RT	RELOCATED
E13	B	L-861T	30	30/45	195+09.8	185.0 LT	RELOCATED
E14	B	L-861T	30	30/45	195+17.4	146.7 LT	RELOCATED
E15	B	L-861T	30	30/45	195+39.1	114.3 LT	RELOCATED
E16	B	L-861T	30	30/45	195+71.5	92.6 LT	NEW
E17	B	L-861T	30	30/45	196+09.8	93.0 LT	NEW
E18	B	L-861T	30	30/45	196+09.8	88.0 LT	NEW
E19	Y/W	L-862	200	200	196+09.8	85.0 LT	RELOCATED
E20	Y/W	L-862	200	200	196+89.9	85.0 LT	RELOCATED
E21	Y/W	L-862	200	200	198+78.6	85.0 LT	RELOCATED
E22	Y/W	L-862	200	200	200+67.3	85.0 LT	RELOCATED
E23	R/G	L-862E	200	200	202+56.0	85.0 LT	RELOCATED
E24	R/G	L-862E	200	200	202+56.0	75.0 LT	RELOCATED
E25	R/G	L-862E	200	200	202+56.0	65.0 LT	RELOCATED
E26	R/G	L-862E	200	200	202+56.0	55.0 LT	RELOCATED
E27	R/G	L-862E	200	200	202+56.0	55.0 RT	RELOCATED
E28	R/G	L-862E	200	200	202+56.0	65.0 RT	RELOCATED
E29	R/G	L-862E	200	200	202+56.0	75.0 RT	RELOCATED
E30	R/G	L-862E	200	200	202+56.0	85.0 RT	RELOCATED
E31	Y/W	L-862	200	200	200+67.3	85.0 RT	RELOCATED
E32	Y/W	L-862	200	200	198+78.6	85.0 RT	RELOCATED
E33	Y/W	L-862	200	200	196+89.9	85.0 RT	RELOCATED
E34	Y/W	L-862	200	200	195+01.2	85.0 RT	NEW

NOTE: REUSE EXISTING FIXTURE, SUPPORT COLUMN, BASEPLATE, AND TRANSFORMER
FOR FIXTURES INDICATED AS RELOCATED.

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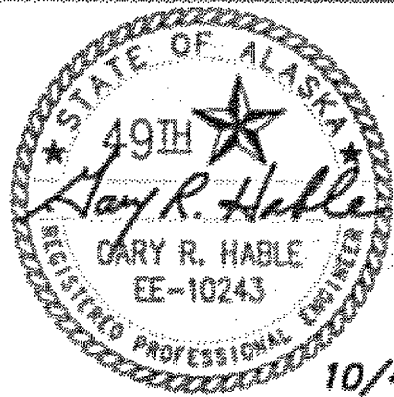
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

LIGHTING SCHEDULES

PREPARED BY: USKH INC.

CHECKED BY: GRH



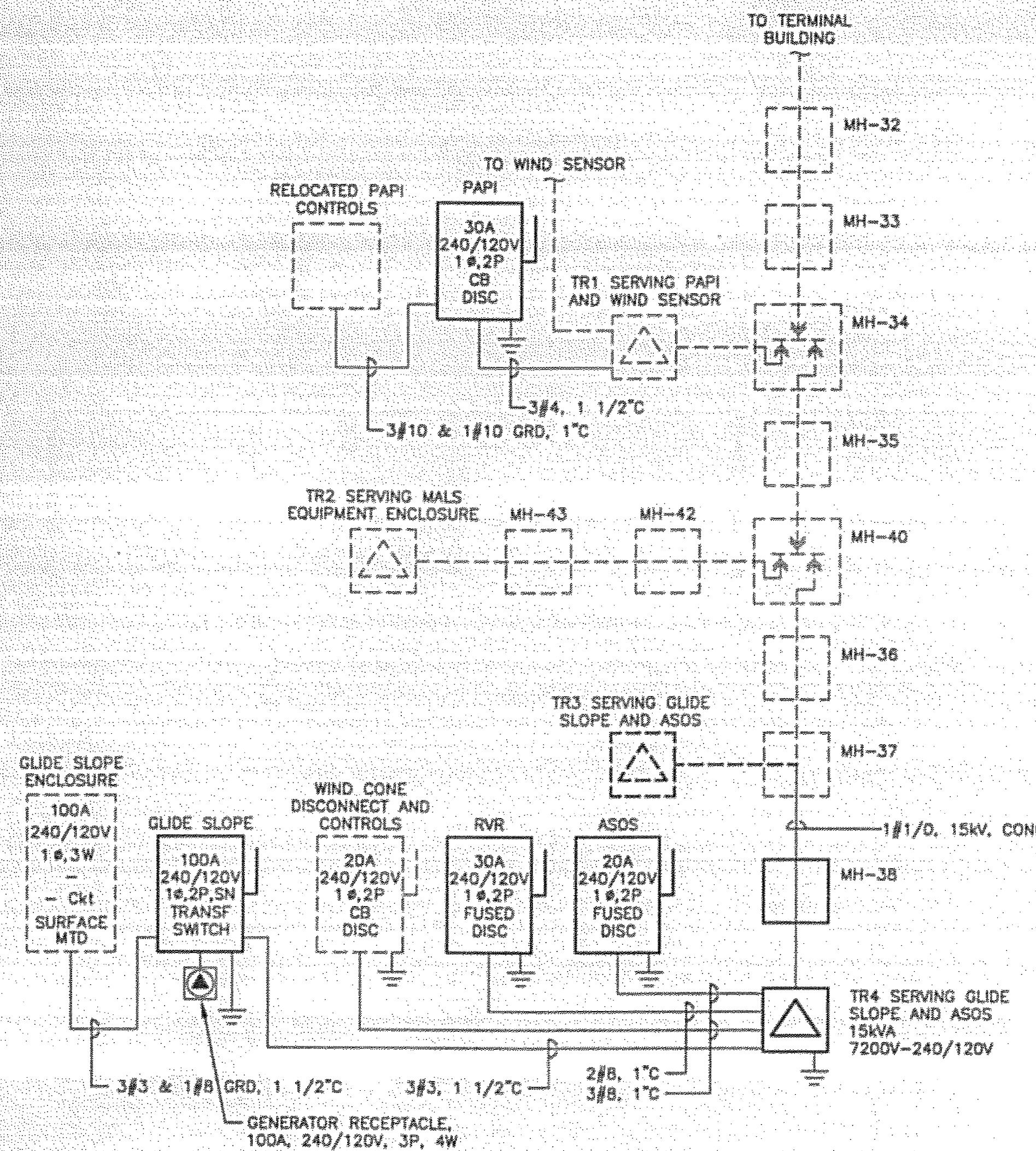
DESIGNED BY: LPS

DRAWN BY: LPS

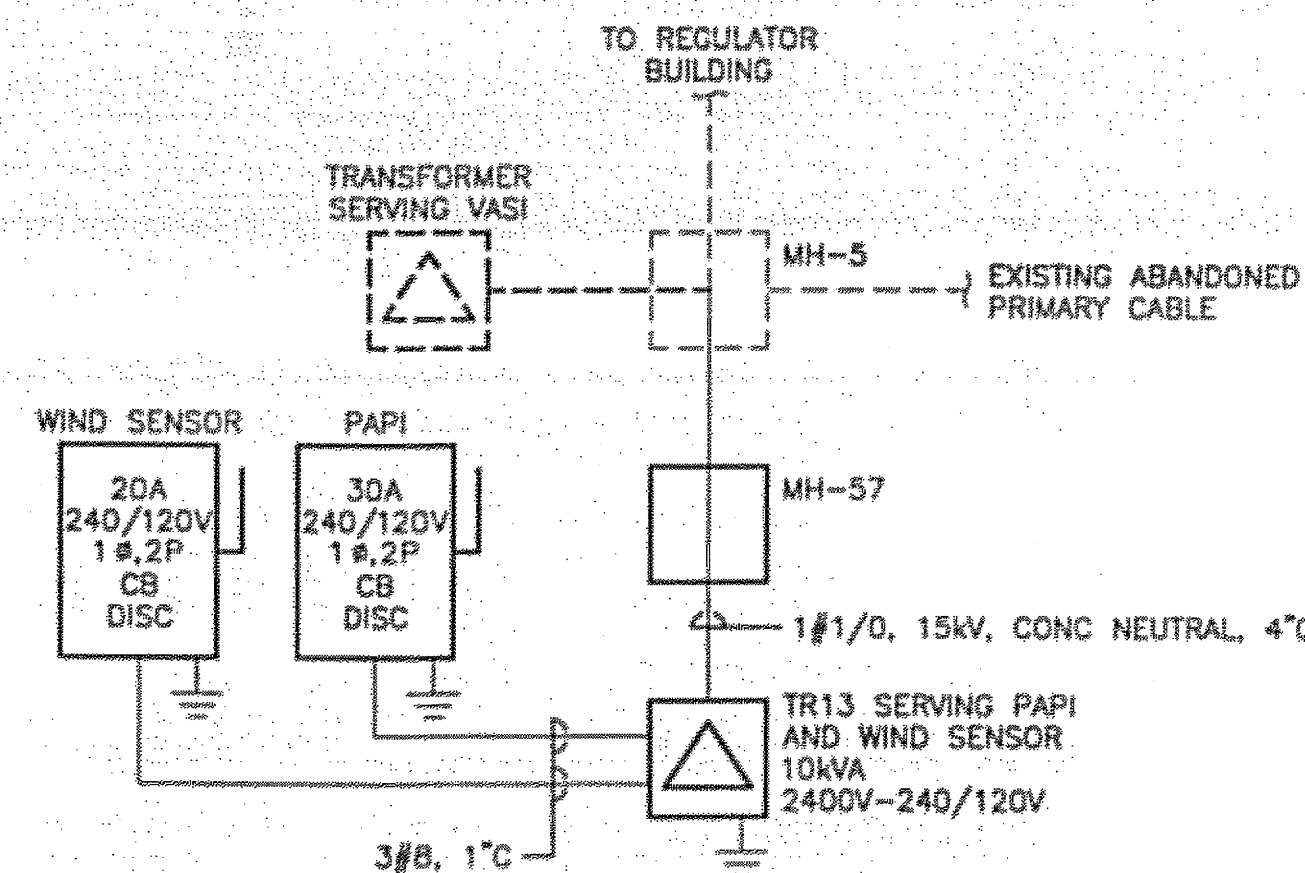
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

LIGHTING
SCHEDULES

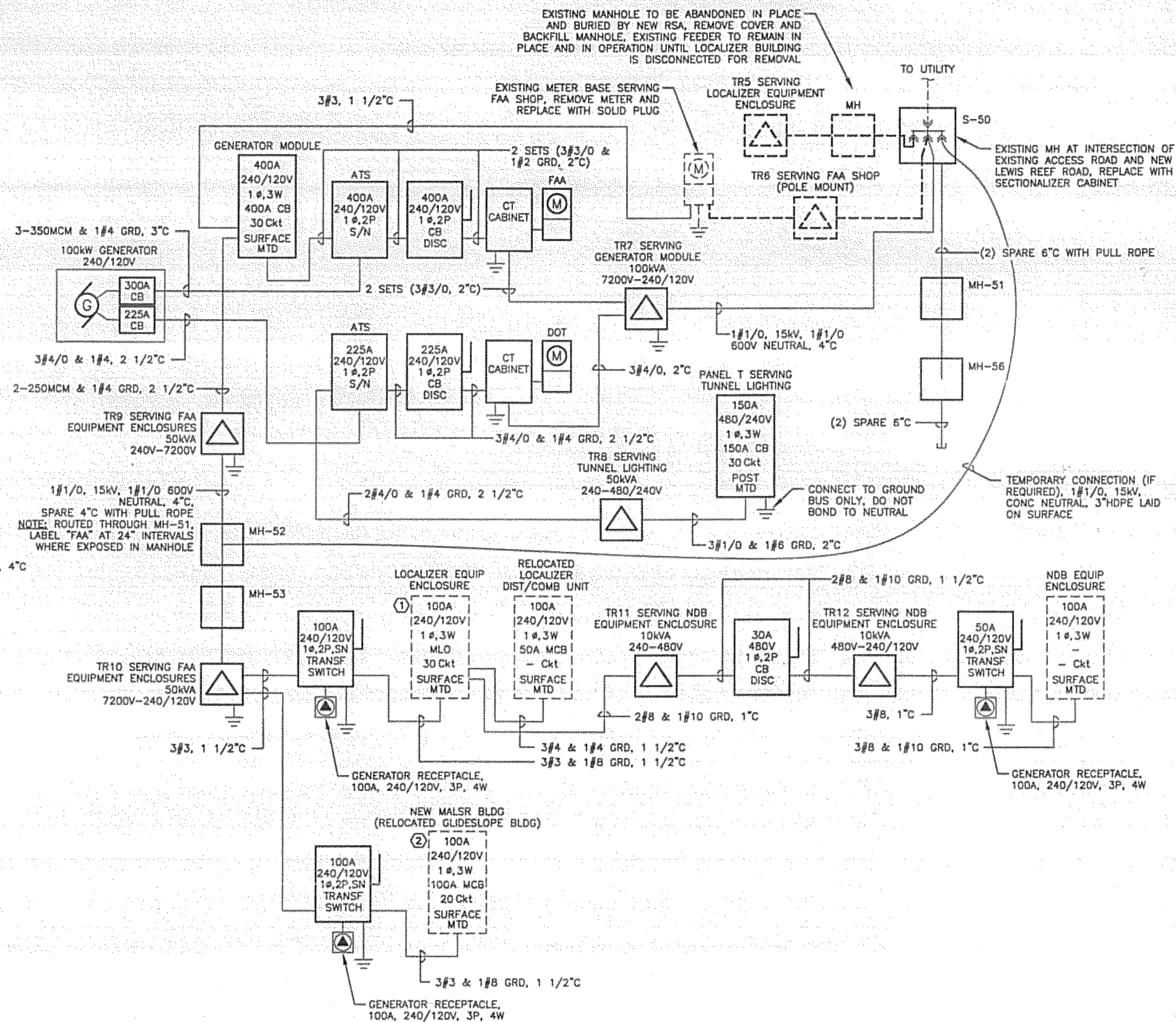
PROJECT DESIGNATION	
AIP NO. 3-02-0144-1606	
STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G13	131



2 RISER DIAGRAM - WEST
G14 N.T.S.



3 RISER DIAGRAM - SOUTH
G14 N.T.S.



1 RISER DIAGRAM - EAST
G14 N.T.S.

- NOTES:**
- UNDERGROUND CONDUITS SHALL BE HDPE UNLESS OTHERWISE INDICATED ON THE PLANS. TRANSITION TO PVC COATED RMC PRIOR TO THE ELBOW OR 2' OUTSIDE STRUCTURE FOOTPRINT, WHICHEVER COMES FIRST, FOR STUB-UPS TO EQUIPMENT OR STRUCTURES.
 - COORDINATE ALL CONNECTIONS, DISCONNECTIONS, AND OTHER WORK ASSOCIATED WITH THE EXISTING PRIMARY ELECTRIC LINES ON THE EAST END OF THE RUNWAY WITH KETCHIKAN PUBLIC UTILITIES.
- PANEL NOTES:** ○
- PROVIDE (2) 50A/2P CIRCUIT BREAKERS TO SERVE THE DIST/COMB UNIT AND TR11.
 - PROVIDE 80A/2P CIRCUIT BREAKER TO SERVE MALS SYSTEM.

- RISER DIAGRAM LEGEND**
- EXISTING TO REMAIN OR NEW PROVIDED BY OTHERS
 - EXISTING TO BE REMOVED
 - NEW WORK
 - ⊥ INDICATES CONNECTION TO GROUND RING (WHERE PRESENT) OR (2) 3/4"x10" GROUND RODS CONNECTED BY #8BC (WHERE GROUND RING IS NOT PRESENT)

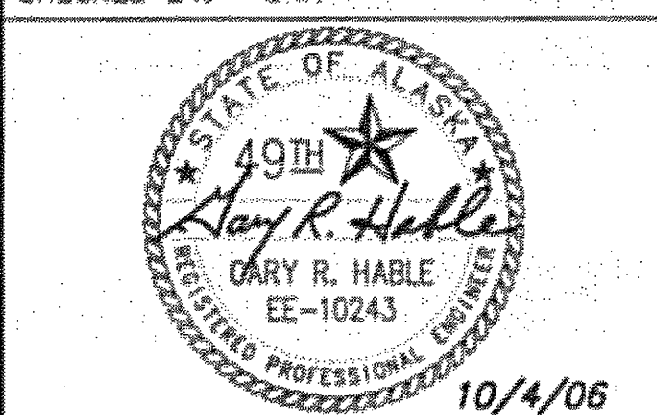
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL RISER DIAGRAMS

PREPARED BY: USKH INC.
CHECKED BY: GRH



DESIGNED BY: LPS
DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

ELECTRICAL
RISER DIAGRAMS

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G14	131

See attached Electrical Asbuilts

TRANSFORMER SCHEDULE											
DES.	ACTION	TYPE	KVA	TEMP RISE	PRIMARY			SECONDARY			NOTES
					VOLTAGE	PHASE	WIRE	VOLTAGE	PHASE	WIRE	
TR1	REMAIN	LF	15	-	7200	1	2	240/120	1	3	
TR2	REMAIN	LF	25	-	7200	1	2	240/120	1	3	
TR3	REMOVE	LF	15	-	7200	1	2	240/120	1	3	3
TR4	NEW	LF	15	150	7200	1	2	240/120	1	3	
TR5	REMOVE	LF	-	-	7200	1	2	240/120	1	3	4,5
TR6	REMOVE	LF	-	-	7200	1	2	240/120	1	3	6
TR7	NEW	LF	100	150	7200	1	2	240/120	1	3	
TR8	NEW	DT	50	150	240	1	2	480/240	1	3	2,7
TR9	NEW	LF	50	150	240	1	2	7200	1	2	
TR10	NEW	LF	50	150	7200	1	2	240/120	1	3	
TR11	NEW	DT	10	150	240	1	2	480	1	2	1
TR12	NEW	DT	10	150	480	1	2	240/120	1	3	7
TR13	NEW	LF	10	150	2400	1	2	240/120	1	3	8

ABBREVIATIONS:

CR = CAST RESIN
DT = DRY TYPE
EC = ENCAPSULATED CORE

TRANSFORMER SCHEDULE NOTES:

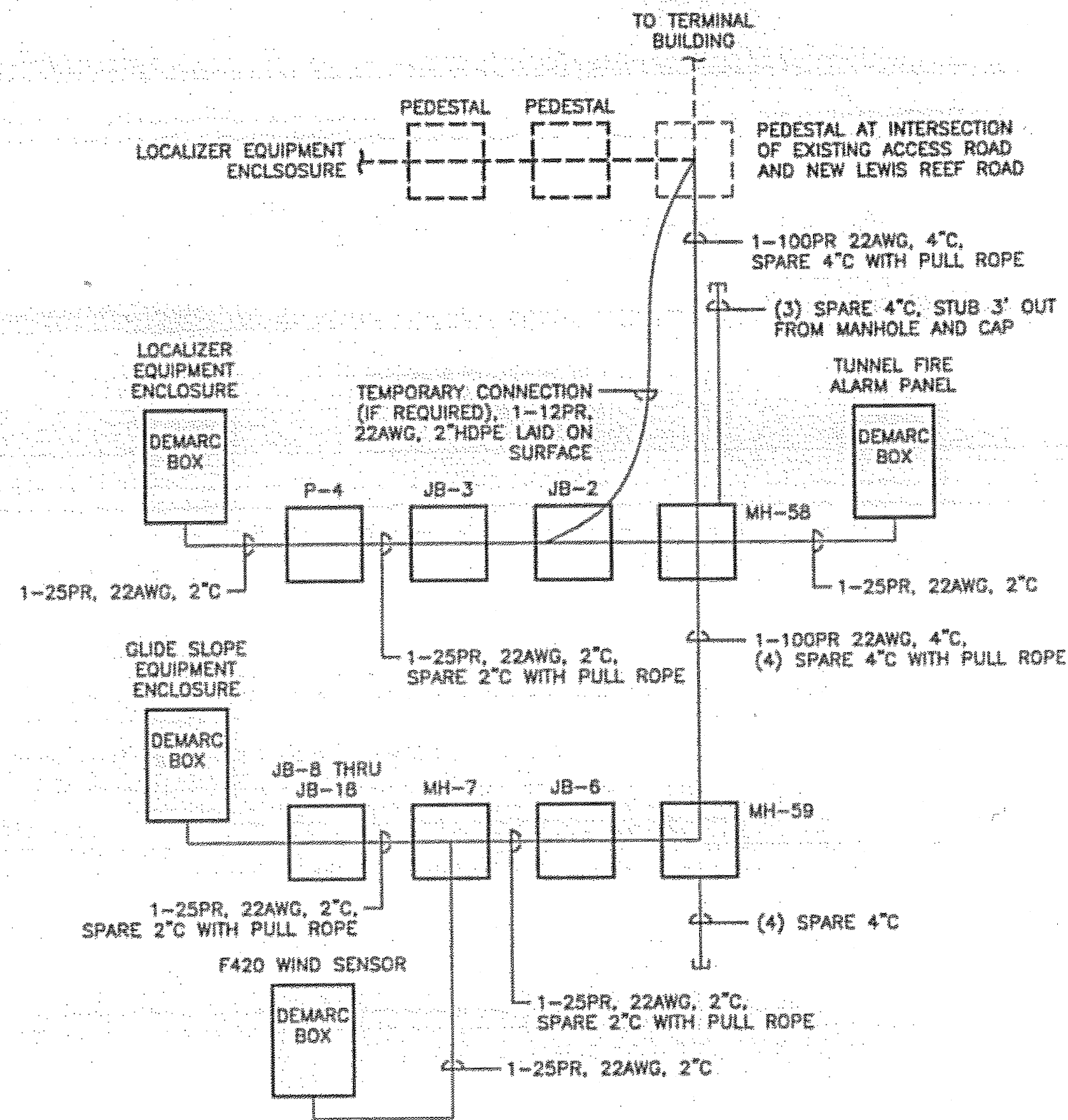
1. PROVIDE WITH MANUFACTURER'S WALL MOUNTING BRACKET.
2. FLOOR MOUNT ON VIBRATION ISOLATORS.
3. REMOVE TRANSFORMER AND PAD. TURN TRANSFORMER OVER TO FAA.
4. REMOVE TRANSFORMER AND PAD. TURN TRANSFORMER OVER TO KPU.
5. TRANSFORMER MUST REMAIN IN SERVICE UNTIL EXISTING DME IS REMOVED.
6. POLE MOUNT TRANSFORMER. REMOVE TRANSFORMER AND PRIMARY RISER. TURN TRANSFORMER OVER TO KPU.
7. PROVIDE TRANSFORMER WITH MULTIPLE TAPS AND CONNECT APPROPRIATE TAP TO PROVIDE RATED VOLTAGE ON SECONDARY SIDE OF TRANSFORMER.
8. EXTEND TRANSFORMER PAD 6" ABOVE GRADE INSTEAD OF THE 12" SHOWN IN DETAIL 3/G16. 30" MAXIMUM HEIGHT TO TOP OF TRANSFORMER.

SECTIONALIZER CABINET SCHEDULE					
NUM	VOLTAGE		RATING (A)	STATION	OFFSET
	KV	PHASE			
S-50	15	3	200	197+88.3	519.1 LT

NOTE: LOCATIONS ARE APPROXIMATE. FIELD LOCATE SECTIONALIZER CABINETS

HANDHOLE AND JUNCTION BOX SCHEDULE				
NUM	TYPE	STATION	OFFSET	REMARKS
JB-2	II	203+15.7	273.4 LT	
JB-3	II	207+71.0	273.4 LT	
JB-6	II	198+84.5	259.9 RT	
JB-8	II	187+12.8	259.9 RT	
JB-9	II	182+12.8	259.9 RT	
JB-10	II	177+12.8	259.9 RT	
JB-11	II	172+12.8	259.9 RT	
JB-12	II	167+12.8	259.9 RT	
JB-13	II	162+12.8	259.9 RT	
JB-14	II	157+12.8	259.9 RT	
JB-15	II	152+12.8	259.9 RT	
JB-16	II	147+12.8	259.9 RT	
JB-17	II	142+12.8	259.9 RT	
JB-18	II	137+12.8	259.9 RT	
JB-54	II	216+36.0	27.2 LT	PAID UNDER L-135
JB-55	II	221+82.4	27.2 LT	PAID UNDER L-135

NOTE: LOCATIONS ARE APPROXIMATE. FIELD LOCATE HANDHOLES AND JUNCTION BOXES
JUNCTION BOXES REQUIRED FOR FAA APPROACH LIGHTING SYSTEMS ARE NOT SCHEDULED.
SEE DOT STANDARD DETAIL L-23.01 FOR JUNCTION BOX INSTALLATION



1 COMMUNICATIONS RISER DIAGRAM

N.T.S.

RISER DIAGRAM LEGEND

--- EXISTING TO REMAIN
--- EXISTING TO BE REMOVED
--- NEW WORK

NOTE:

UNDERGROUND CONDUITS SHALL BE HDPE UNLESS OTHERWISE INDICATED ON THE PLANS. TRANSITION TO PVC COATED RMC PRIOR TO THE ELBOW OR 2' OUTSIDE STRUCTURE FOOTPRINT, WHICHEVER COMES FIRST, FOR STUB-UPS TO EQUIPMENT OR STRUCTURES.

COMMUNICATIONS PEDESTAL SCHEDULE				
NUM	SIZE (IN)	STATION	OFFSET	REMARKS
P-4	8	212+53.0	267.6 LT	

NOTE: LOCATIONS ARE APPROXIMATE. FIELD LOCATE PEDESTALS

ELECTRICAL MANHOLE SCHEDULE					
NUM	LOAD RATING	INT DIM (MIN) LxWxH (FT)	STATION	OFFSET	REMARKS
MH-7	AIRCRAFT	4x6x4	192+12.8	259.9 RT	
MH-38	AIRCRAFT	3x4x3	136+88.2	91.0 RT	
MH-51	H-20	4x6.5x6	198+67.1	351.4 LT	
MH-52	AIRCRAFT	3x4x3	203+34.3	260.7 LT	
MH-53	AIRCRAFT	3x4x3	207+89.6	260.7 LT	
MH-56	H-20	4x6.5x6	201+33.9	348.9 RT	
MH-57	AIRCRAFT	3x4x3	186+86.5	270.0 RT	
MH-58	H-20	4.5x8.5x6.5	198+89.6	360.4 LT	42" DIA ACCESS COVER
MH-59	H-20	4.5x8.5x6.5	201+36.6	355.9 RT	42" DIA ACCESS COVER

NOTE: LOCATIONS ARE APPROXIMATE. FIELD LOCATE MANHOLES

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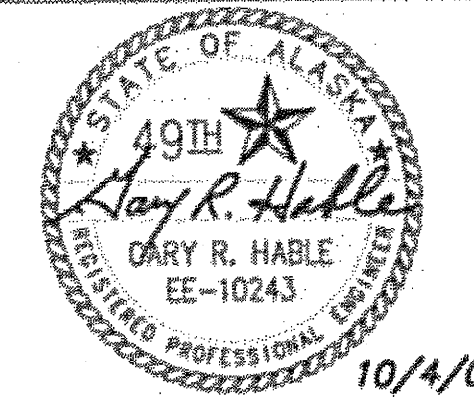
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL DIAGRAMS & SCHEDULES

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

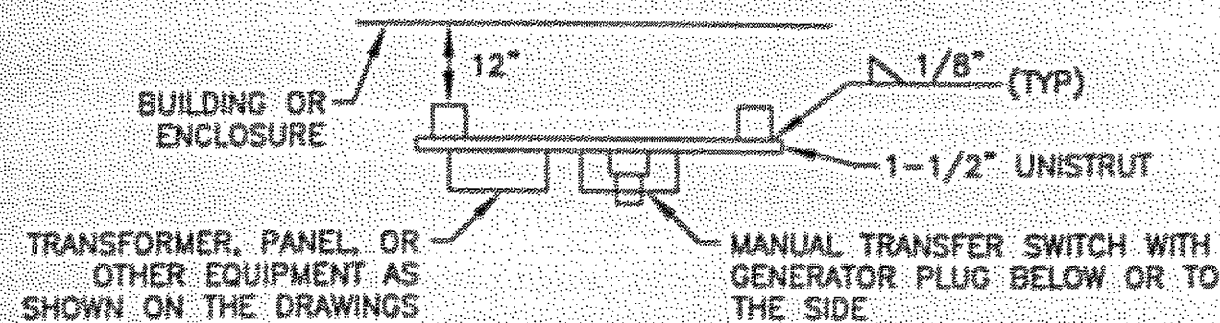
**ELECTRICAL
DIAGRAMS &
SCHEDULES**

PROJECT DESIGNATION

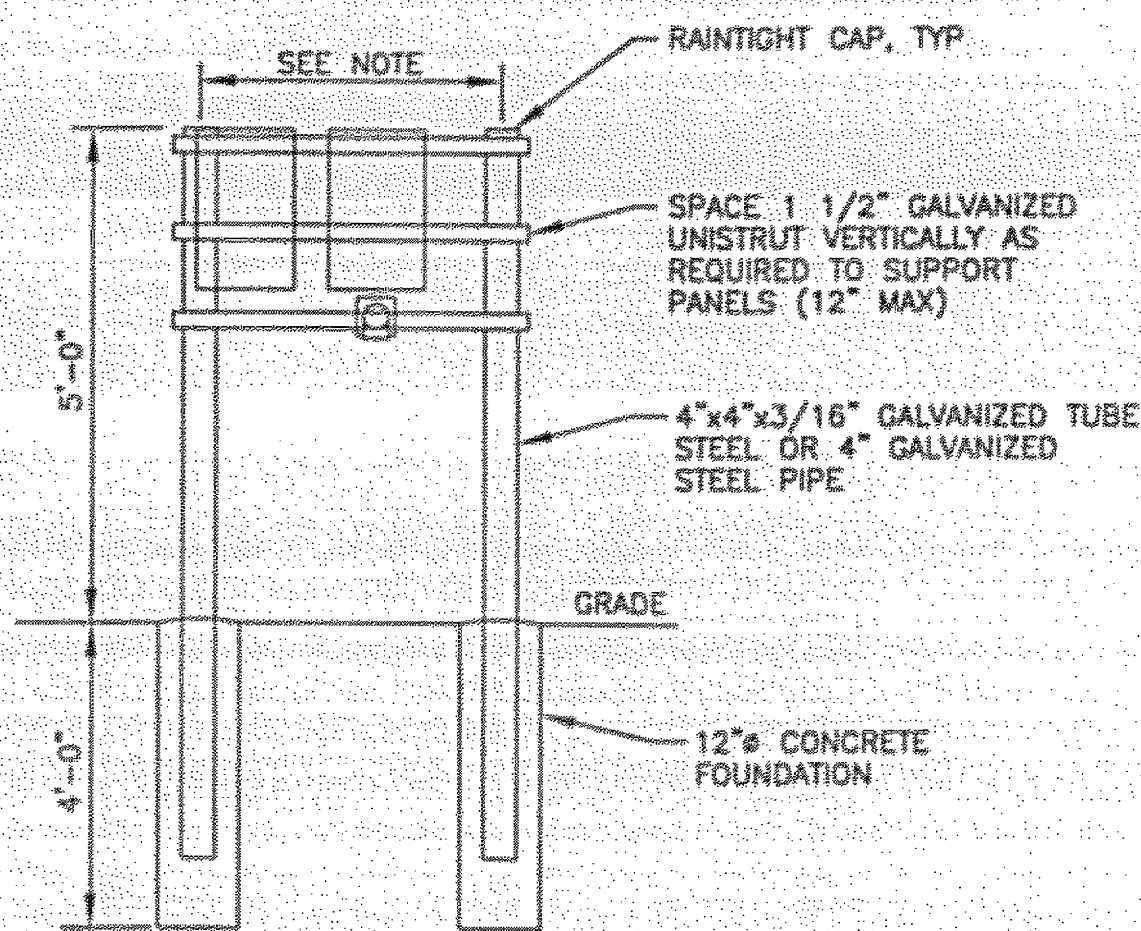
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STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G15	131

See attached Electrical Asbuilts

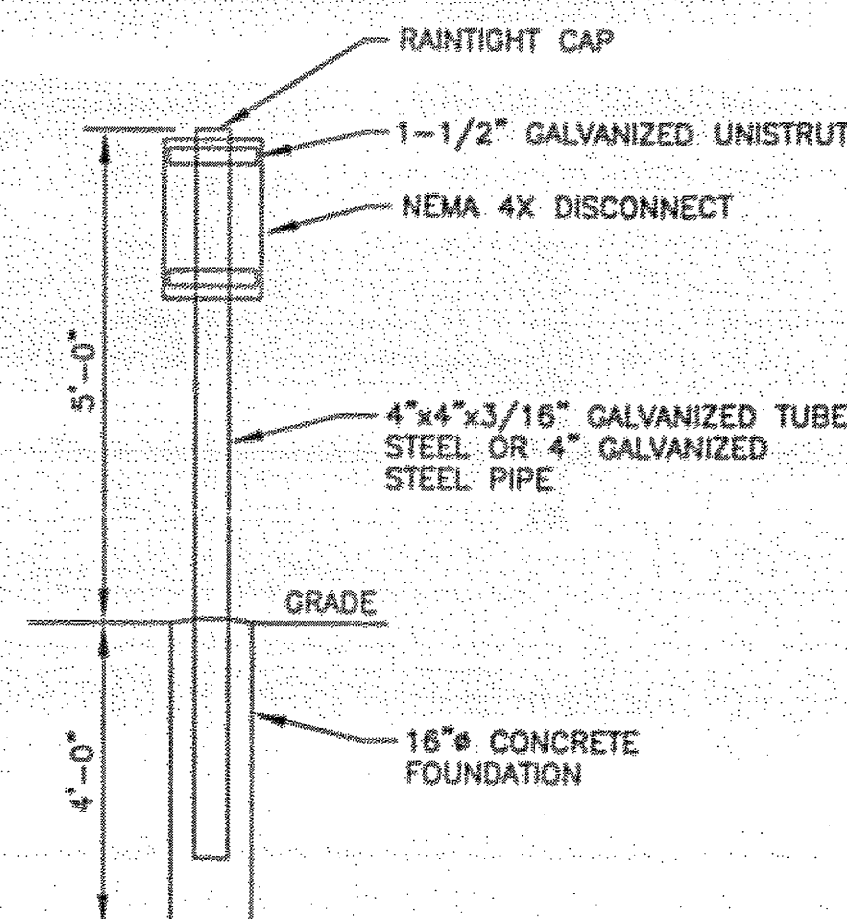


PLAN VIEW

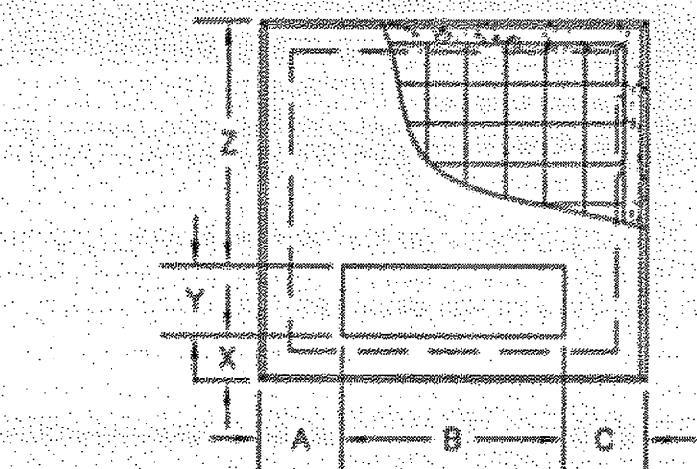


NOTE:
ADJUST WIDTH AS REQUIRED FOR EQUIPMENT INSTALLED AT EACH LOCATION, 24" MINIMUM, 48" MAXIMUM, IF LONGER SUPPORTS ARE NEEDED, PROVIDE ADDITIONAL POSTS

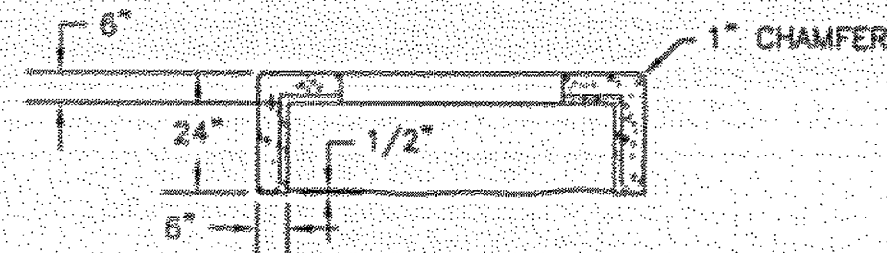
6 BUILDING SERVICE MOUNTING DETAIL
G16 N.T.S.



7 DISCONNECT MOUNTING DETAIL
G16 N.T.S.



TOP VIEW

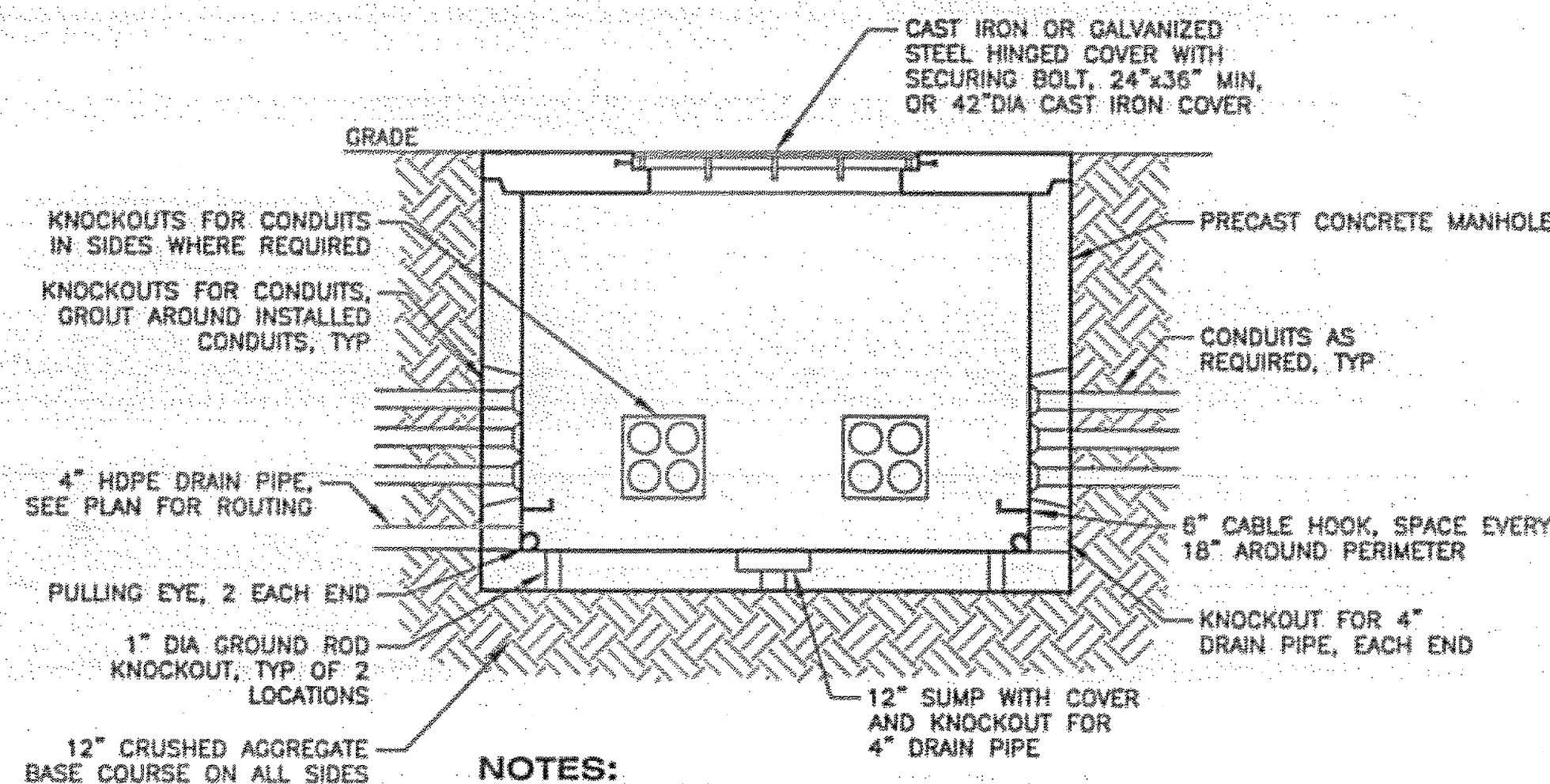


SECTION

NOTES:

1. THIS UNIT INCLUDES THE PAD, SITE PREPARATION, EXCAVATION, AND BACKFILL.
2. LEVEL TOP OF PAD AND GRAVEL THE BASE COURSE INSIDE THE PAD SHALL BE LEVEL WITH THE BASE OF THE PAD.
3. PAD SHALL BE SQUARE WITH RUNWAY OR ADJACENT STRUCTURES UNLESS SPECIFIED OTHERWISE. ORIENT THE PAD AWAY FROM POTENTIAL CONFLICTS TO PROVIDE ACCESS TO THE FRONT OF THE EQUIPMENT.
4. VERIFY PAD DIMENSIONS AND CONDUIT LOCATIONS WITH TRANSFORMER PRIOR TO CONSTRUCTING PAD.

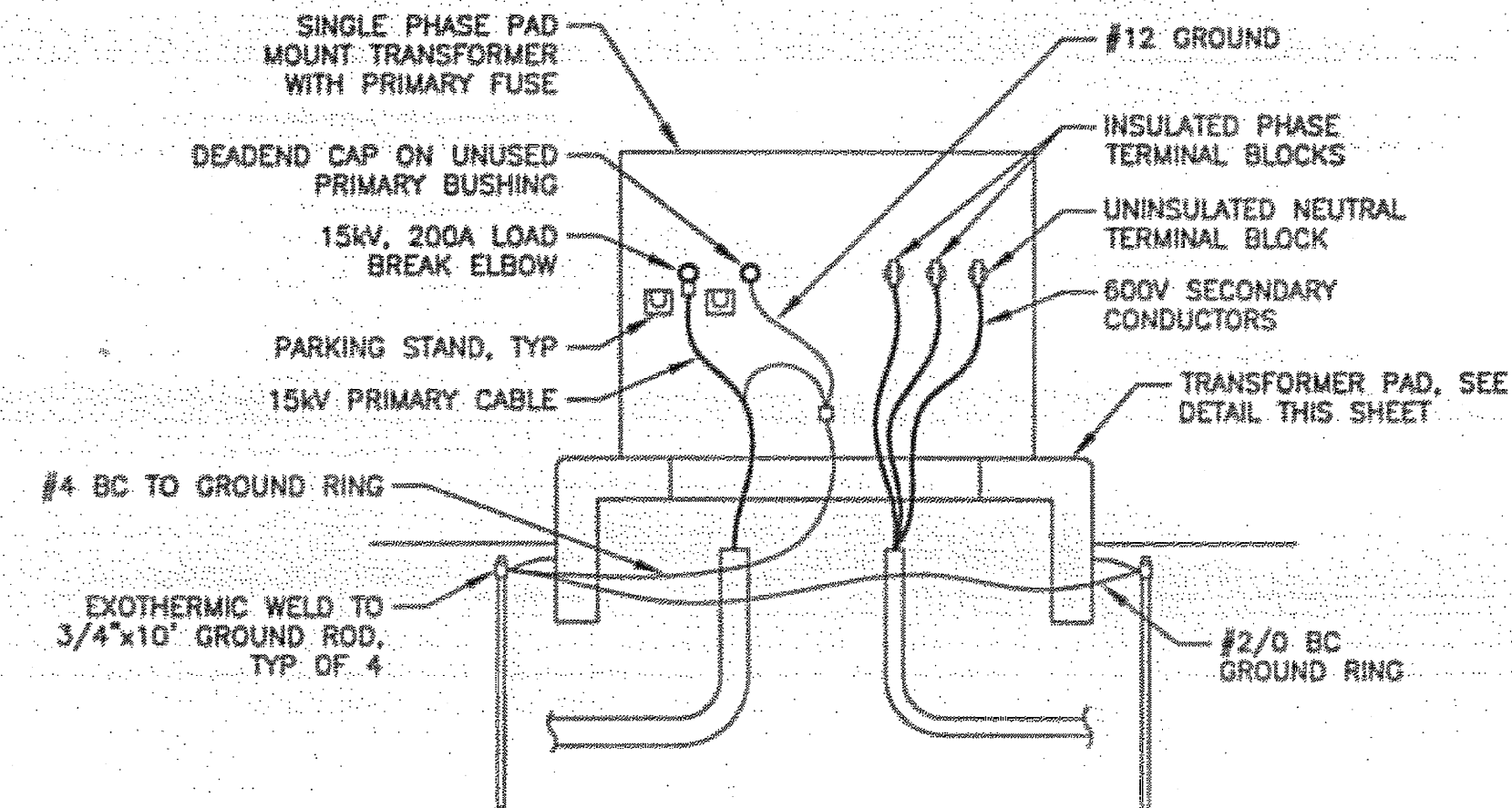
3 TRANSFORMER PAD DETAIL
G16 N.T.S.



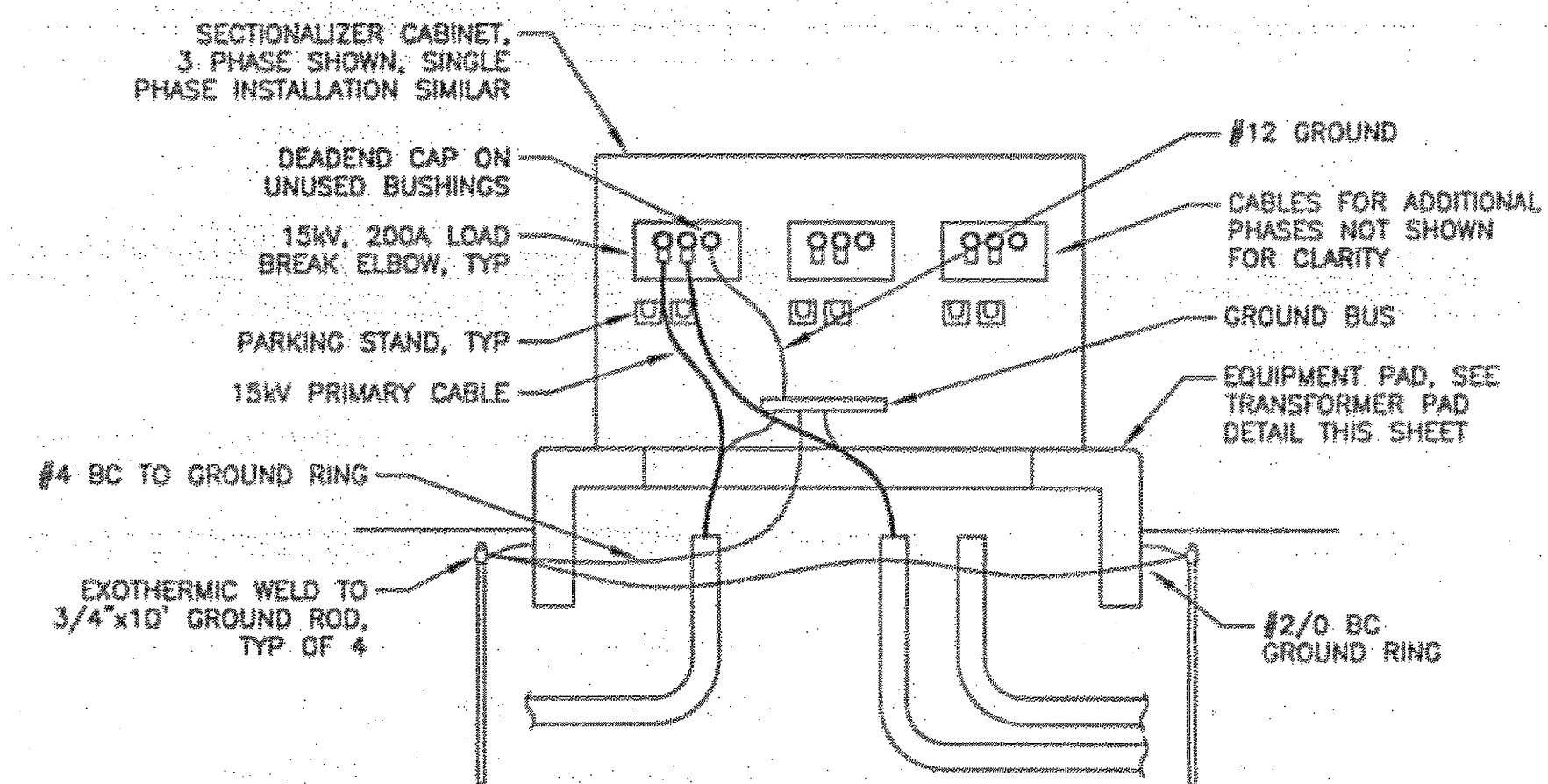
NOTES:

1. PRECAST MANHOLE, LID, FRAME, AND COVER SHALL BE RATED FOR WHEEL LOADING BASED ON LOCATION:
AIRCRAFT AREA - 100,000 LB. LOAD
NON-AIRCRAFT AREA - H-20 WHEEL LOADING
2. SEE MANHOLE SCHEDULE ON SHEET G15 FOR LOAD RATINGS AND SIZES OF INDIVIDUAL MANHOLES.
3. CAST IRON HINGED COVERS SHALL BE PROVIDED WITH SPRING ASSIST MECHANISM.

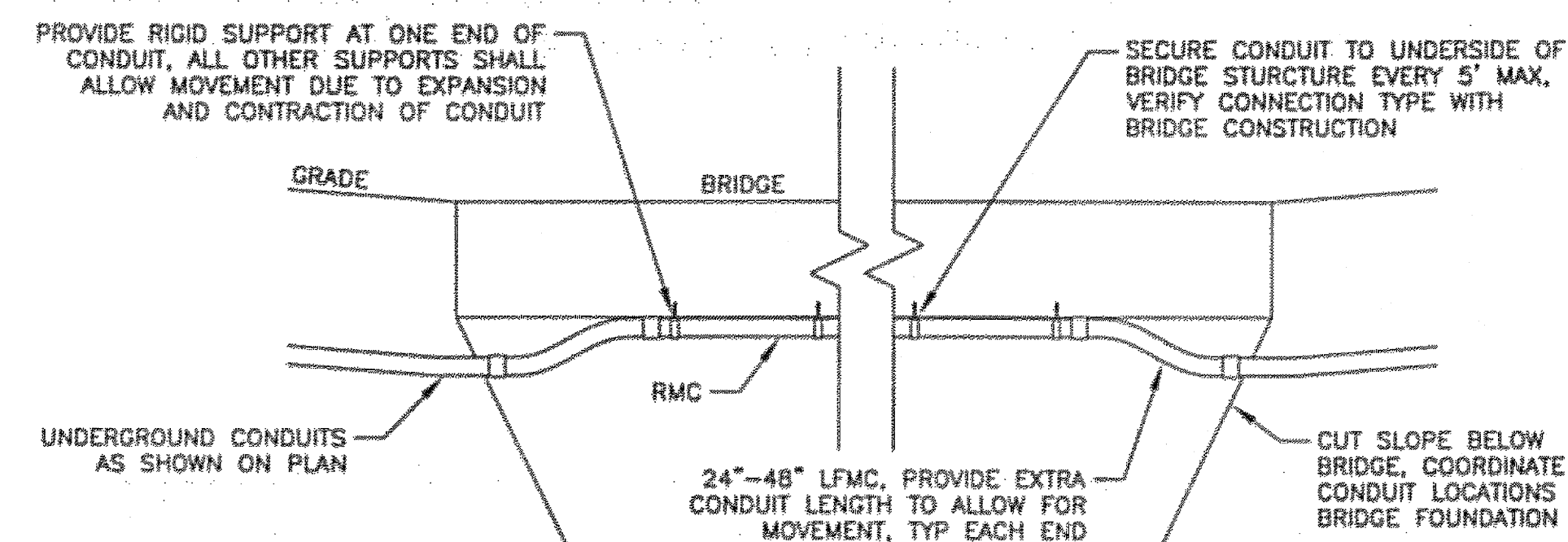
4 ELECTRICAL MANHOLE DETAIL
G16 N.T.S.



1 TRANSFORMER DETAIL
G16 N.T.S.



2 SECTIONALIZER DETAIL
G16 N.T.S.



5 BRIDGE MOUNTED CONDUIT DETAIL
G16 N.T.S.

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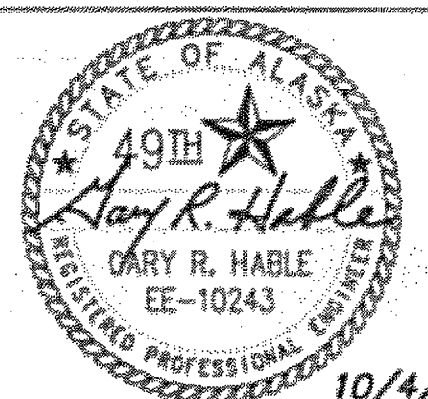
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ELECTRICAL DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SOUTHEAST REGION

**ELECTRICAL
DETAILS**

PROJECT DESIGNATION

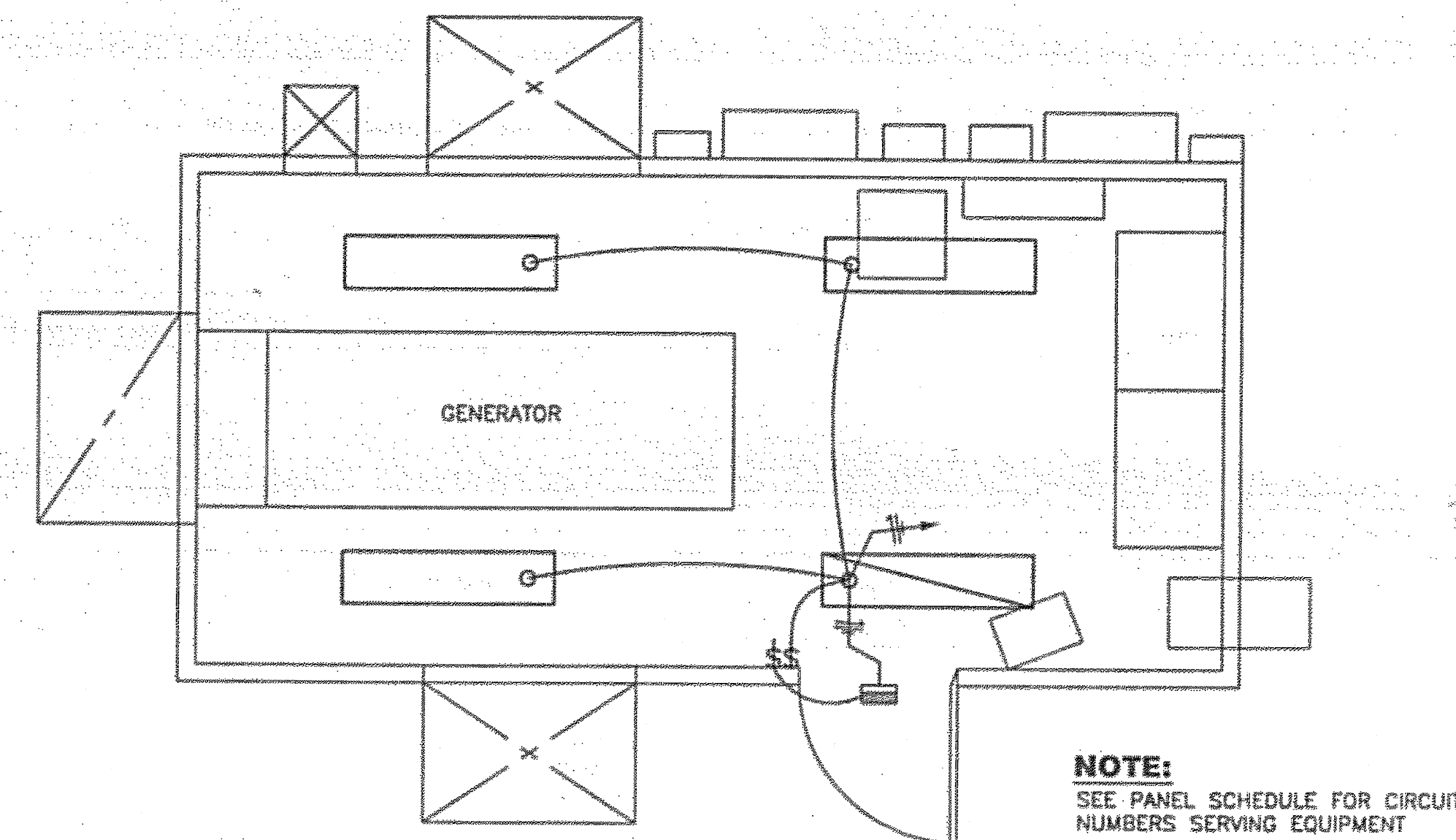
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G16	131

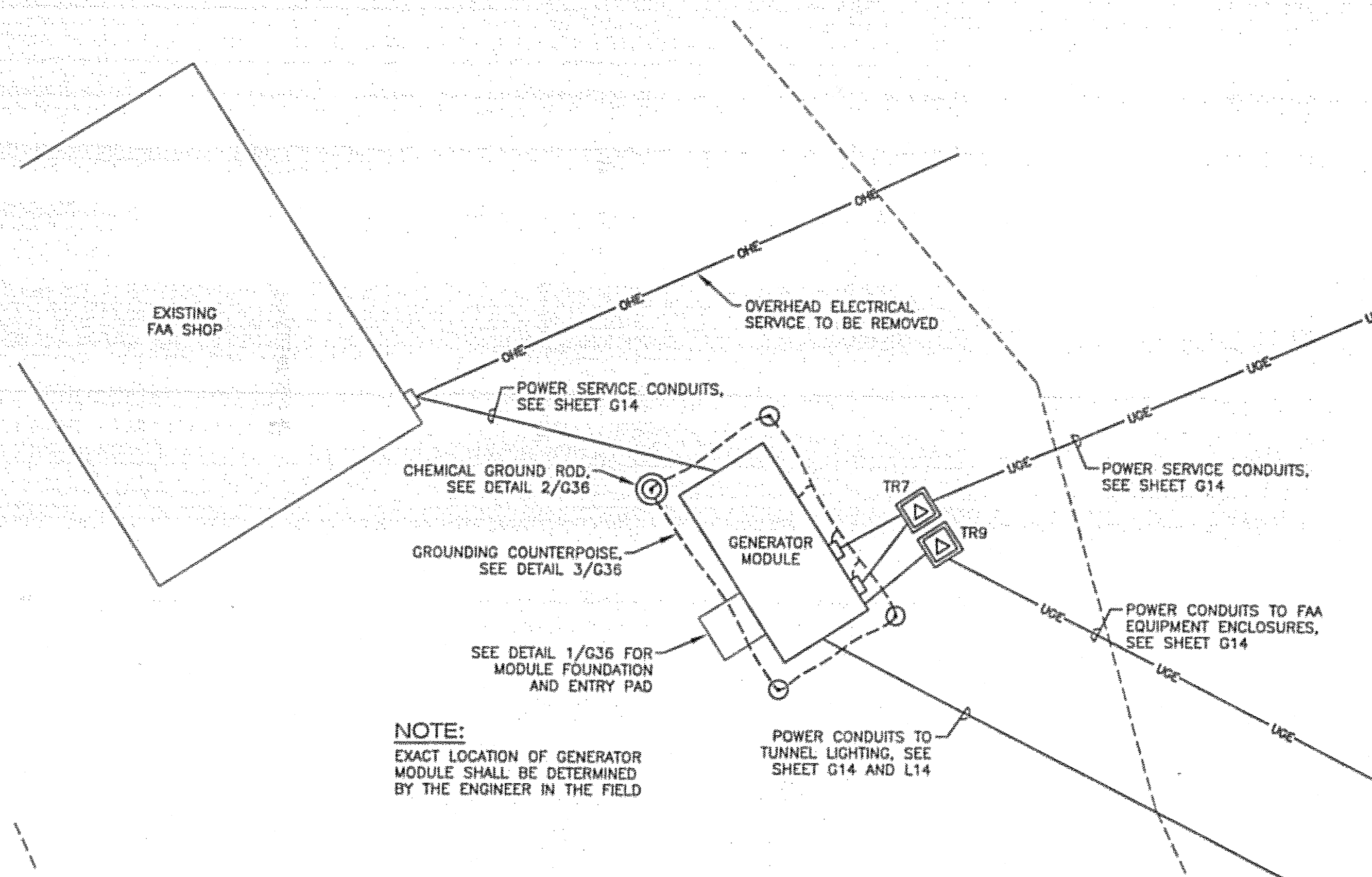
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

See attached Electrical Asbuilts

GENERATOR MODULE PANEL											
CKT	LOAD	BRANCH		CONN KVA		BRANCH		LOAD		CKT	
		BKR	VA	A	B	VA	BKR				
1	FAA SHOP	100/2	9000	26.0		17000	250/2	RW 29 FAA EQUIPMENT		2	
3			9000		26.0	17000		ENCLOSURES		4	
5	LIGHTS	20/1	307	2.8		2500	30/2	UNIT HEATER		6	
7	RECEPTS	20/1	720		3.2	2500				8	
9	EXHAUST FAN	20/1	696	1.4		750	20/2	COOLANT HEATER		10	
11	BATTERY CHARGER	20/1	1000		1.8	750				12	
13	DAMPER CONTROLS	20/1	600	0.7		50	20/2	ANTI-CONDENSATION HEATER		14	
15					0.1	50				16	
17					0.0					18	
19					0.0					20	
21					0.0					22	
23					0.0					24	
25					0.0					26	
27					0.0					28	
29					0.0					30	
CONNECTED LOAD			61.9 KVA	30.9	31.0		PANEL SPECIFICATIONS				
NEC DEMAND			62.0 KVA	258	259		MAINS RATING AMPS - 400				
			258 AMPS				MAIN CIRCUIT BREAKER AMPERES - 400				
PANEL NOTES							CAPACITY ONE-POLE CIRCUITS - 30				
							SYSTEM VOLTAGE - 240/120				
							PHASE, NO. OF WIRES - 1 PH, 3 W				
							AIC RATING - 22,000				
							MOUNTING - SURFACE				

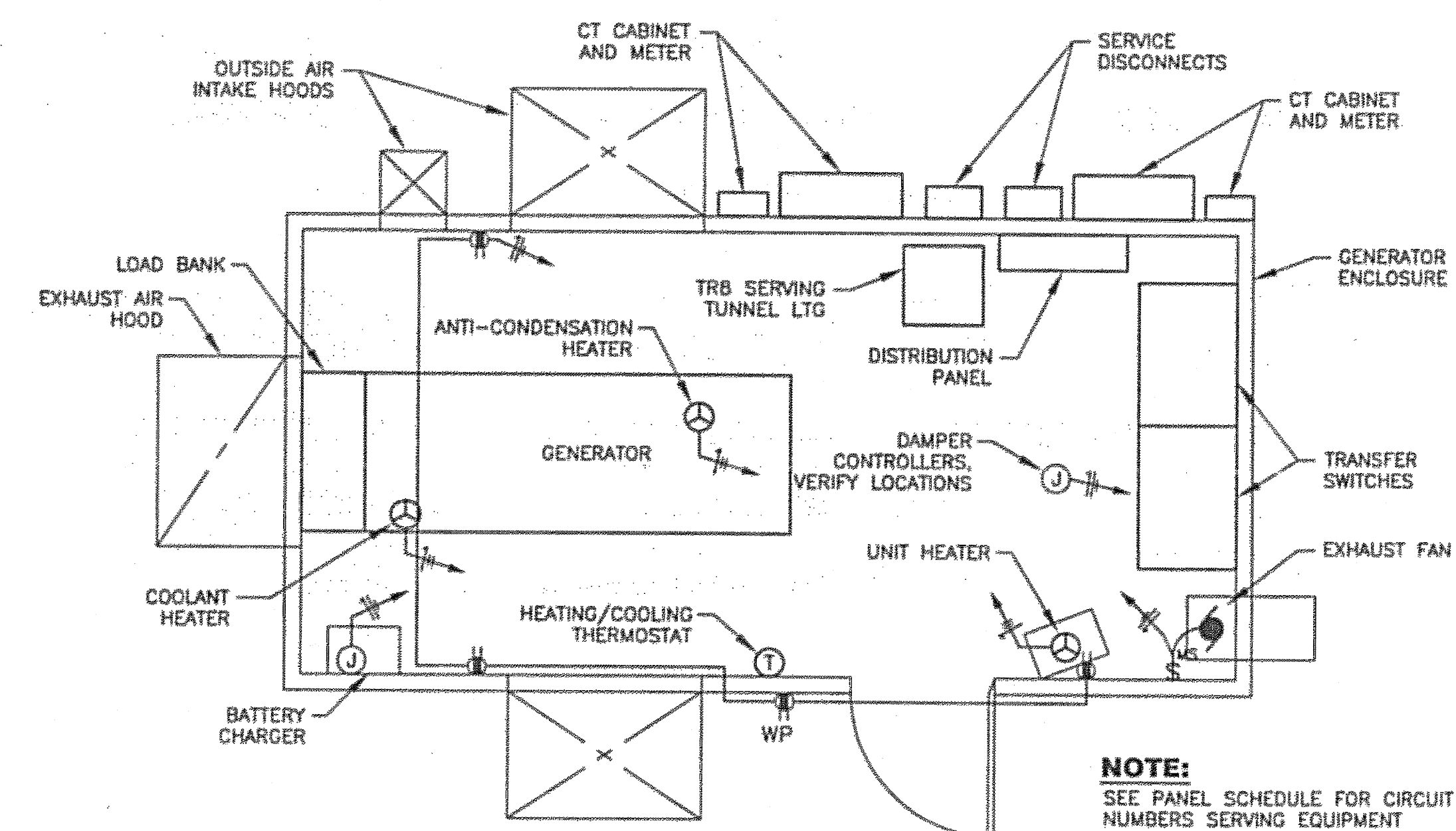


1
G17 GENERATOR MODULE - LIGHTING PLAN
N.T.S.



3
G17 GENERATOR MODULE ENLARGED PLAN
N.T.S.

0 10 20 30
SCALE IN FEET



2
G17 GENERATOR MODULE - POWER PLAN
N.T.S.

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TAB: G11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

GENERATOR MODULE DETAILS

PREPARED BY: USKH INC.
CHECKED BY: GRH

DESIGNED BY: LPS
DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

GENERATOR
MODULE DETAILS

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
G17	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

See attached Electrical Asbuilts

NAVAID CONSTRUCTION RESPONSIBILITIES				
SYSTEM PAY ITEM	FAA	CONTRACTOR	PLAN SHEETS	DETAIL SHEETS
Glide Slope L-135a(1) L-135b(1)	- Provide building with lights, heat, and power distribution - Install glide slope equipment in new building - Install glide slope antenna, including tower, obstruction lights, and connection to building - Remove glide slope equipment from existing building - Remove glide slope antenna from tower	- Prepare building site/foundation - Set and anchor building - Install/fabricate cover entry - Connect power service to new building - Connect communications service to new building - Install grounding counterpoise and test - Install glide slope tower foundation - Disconnect existing building from power service - Relocate existing building (see MALSR RW 29 for reconnection) - Remove and dispose of existing glide slope antenna tower	G2-Demo G7-New G31-Enlarged G34-GS Bldg	G36-GS Bldg Fdn G36-GS Bldg Grd G33-Tower Fdn G14-Power Service G15-Comm Service
Localizer Equip Bldg L-135a(3) L-135b(2)	- Provide building with lights, heat, and power distribution - Install localizer equipment in new building - Remove localizer equipment from existing building	- Prepare building site/foundation - Set and anchor building - Install/fabricate cover entry - Connect power service to new building - Connect communications service to new building - Install grounding counterpoise and test - Disconnect existing building from power and communications services - Relocate existing building to maintenance area as directed by the engineer	G4-Demo G10-New, Enlarged G34-LOC Bldg	G36-LOC Bldg Fdn G36-LOC Bldg Grd G14-Power Service G15-Comm Service
Localizer Antenna Array L-135a(3) L-135b(2)	- Install and connect new antenna array - Remove existing antenna array - Disconnect existing communications conductors at dist/comb unit - Install new communications conductors from localizer building to antenna platform - Reconfigure communications conduit and conductors to route through dist/comb unit	- Construct antenna platform - Prepare dist/comb unit site/foundation - Install conduit from localizer building to antenna platform through junction box - Install obstruction lights on platform - Disconnect existing dist/comb unit from power service - Relocate dist/comb unit to new location - Connect power service to dist/comb unit - Remove existing antenna platform	G4-Demo G10-New G35-Dist/Comb	F14-F19-Platform G36-Dist/Comb Fdn G36-Dist/Comb Grd G14-Dist/Comb Pwr
DME L-135a(4) L-135b(3)	- Install new antenna tower and antenna - Install DME equipment in localizer building - Install communications conductors from localizer building to antenna - Disconnect and remove existing antenna	- Install antenna tower foundation - Install conduits from localizer building to antenna	G4-Demo G10-New, Enlarged	G39-Foundation
NDB L-135a(6) L-135b(5)	- Disconnect existing antenna - Install antenna foundation - Install new antenna - Install building foundation - Set and anchor building - Install grounding counterpoise radials and ground rods - Perform ground testing - Relocate transmitter equipment	- Remove and dispose of existing antenna and support towers as directed, new NDB must be operational prior to removal of existing (FAA flight check required) - Disconnect existing building from power service - Connect power service to new building - Relocate existing building to maintenance area as directed by the engineer - Provide temporary power as required - Protect grounding counterpoise during installation of permanent power and MALSR conduits	G5-Demo G10-New G32-Enlarged	G14-Power Service
ASOS L-135c(1)	Relocate existing ASOS rails and equipment	- Prepare new site and foundations - Disconnect existing equipment from power service - Connect power service to relocated equipment	G2-Demo G7-New G31-Enlarged	G14-Power Service G40-G42-ASOS Dtls
F420 Wind Sensor L-135a(2)	Provide and install tower and sensor equipment	- Install new tower foundation - Install conduit from tower to power disconnect and telecom demarc	G10-New	G15-Power Service G15-Comm Service G46-Foundation
RCO Towers L-135b(4)	- Remove antennas deemed salvageable - Disconnect existing communications conductors at localizer building	- Remove and dispose of existing RCO towers - Remove above ground portions of conductors and abandoned direct buried conductors in place	G4-Demo	

NAVAID CONSTRUCTION RESPONSIBILITIES				
SYSTEM PAY ITEM	FAA	CONTRACTOR	PLAN SHEETS	DETAIL SHEETS
RVR L-135a(5)	- Install new tower and equipment near glide slope building - Install and connect new equipment (CDs, ALS, and DPU) in terminal building (in FSS and FAA comm room) - Install and connect new equipment (RLIM) in regulator vault	- Install equipment foundations - Install conduit between equipment and glide slope building - Install CTs on lighting circuits in regulator vault for connection to RLIM by FAA - Install support structure, power service, service disconnect, and underground conduit and grounding as shown	G7-New	G14-Power Service G43-G45 RVR Dtls
PAPI RW 11 L-132c(2)	Replace tilt switches in LHAs during service outage	- Prepare new site and foundations - Relocate PAPI system to new site - Return remote monitoring subsystem cabinet to FAA - Remove existing conductors, foundations, and support structures	G2-Demo G7-New	G14-Power Service G37-G38-PAPI Dtls
VASI RW 29 L-132b(2)		Remove existing VASI system including radio control cabinets	G4-Demo	G15-Power Service
PAPI RW 29 L-132a(2)	Provide new PAPI system	- Prepare site and foundations - Install PAPI system	G9-New	G15-Power Service G37-G38-PAPI Dtls
MALSR RW 11 L-132c(1)	Provide (2) new flashers and ICCs	- Relocate MALSR towers and lights - Install new foundations, conduit, and conductors - Provide new parts as required to reinstall system at new locations - Provide replacement parts and make repairs as required	G1-Demo G6-New G19-Enlarged	G21-Equipment and Conduit Schedules G22-G27-MALSR Dtls G28-Wiring Diag G14-Power Service
MALSR RW 29 L-132a(1) L-132b(1)	Provide new MALSR system and air-to-ground radio controller	- Install new MALSR system, including new foundations, conduit, and conductors - Relocate existing support towers and provide new towers as required and indicated to install new system - Set and anchor relocated glide slope building (MALSR building) - Connect MALSR building to power service - Install controls in MALSR building - Relocate existing ground-to-ground receiver from existing localizer building to new MALSR building and connect to control new MALSR system	G4-5-Demo G10-New G20-Enlarged G36-MALSR Bldg	G20-Equipment and Conduit Schedules G22-27-MALSR Dtls G29-30-Wiring Diag G14-Power Service G36-MALSR Bldg Fdn G36-MALSR Bldg Grd

NOTE: This list is intended to portray the general responsibilities of the parties involved and may not include all specific aspects of the work required.

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Fri, 27/Oct/06 11:33AM lachneller
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

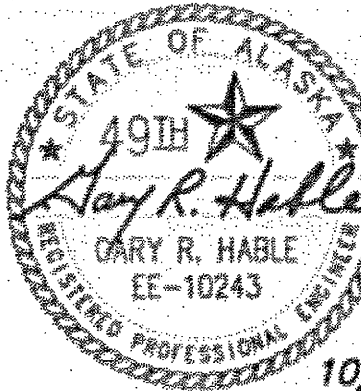
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

NAVAID CONSTRUCTION RESPONSIBILITIES

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

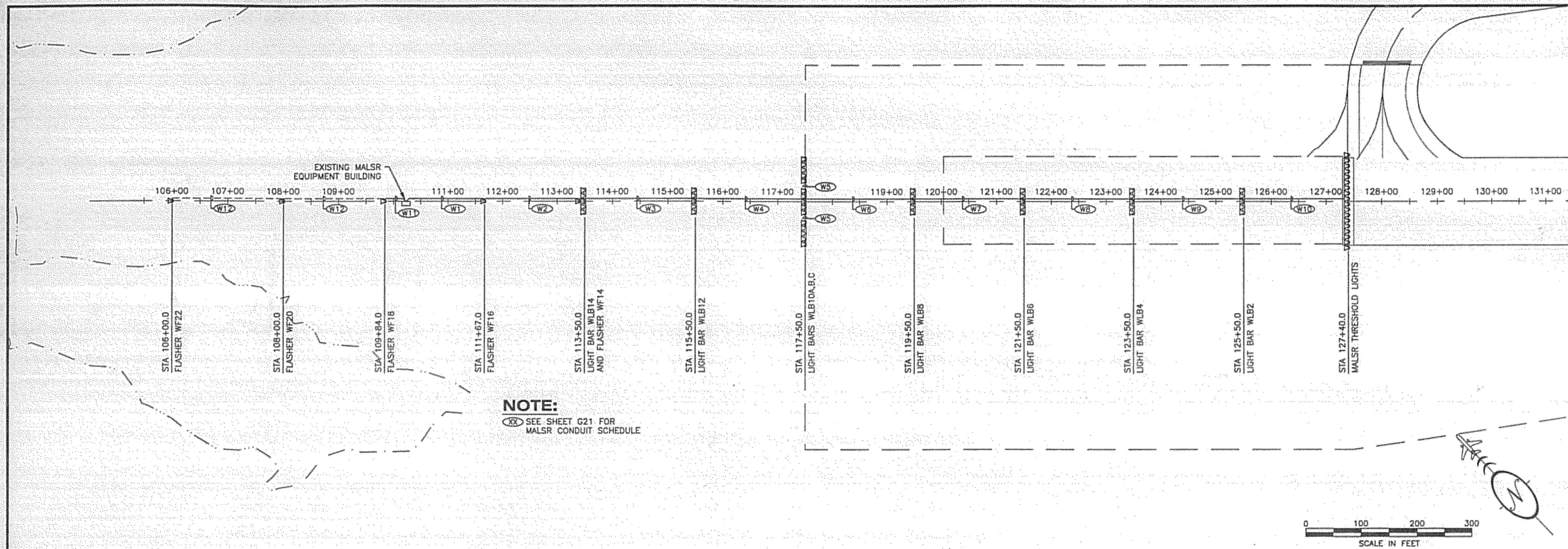
NAVAID
CONSTRUCTION
RESPONSIBILITIES

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G18	131

See attached Electrical Asbuilts



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 Tue, 03/Oct/06 02:22PM Ischneller
 TAB: G10

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
 RUNWAY SAFETY AREA EXPANSION
 & RUNWAY OVERLAY
 PROJECT NO. 68306

MALSR PLAN & PROFILE - WEST

PREPARED BY: USKH INC.
 CHECKED BY: GRH

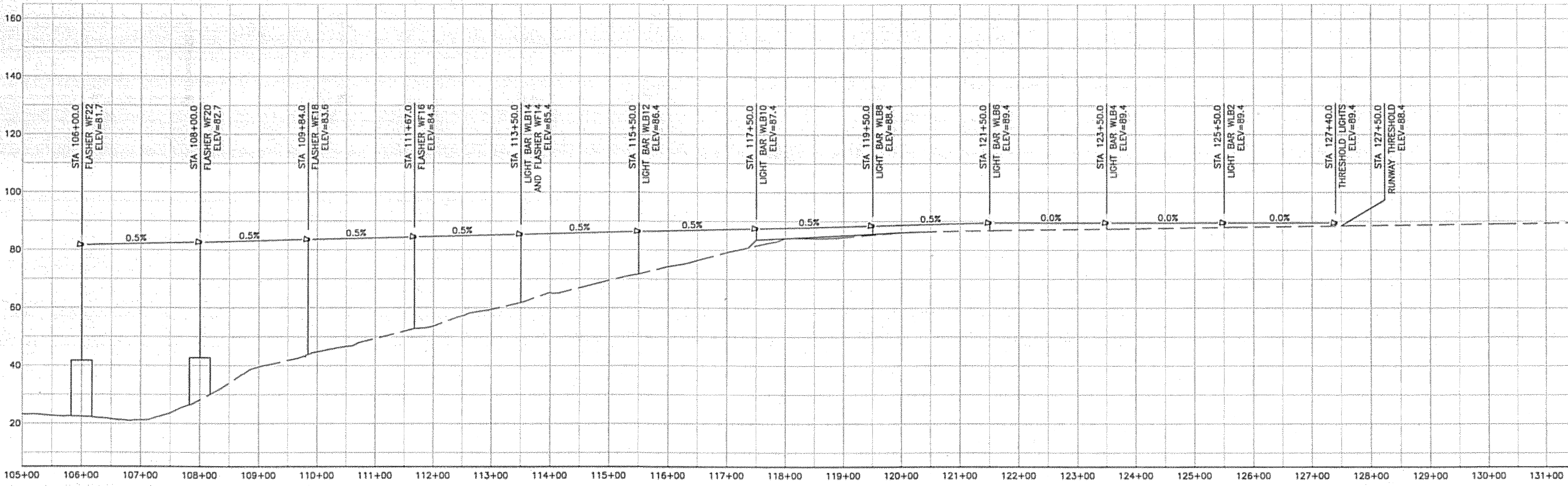
DESIGNED BY: LPS
 DRAWN BY: LPS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

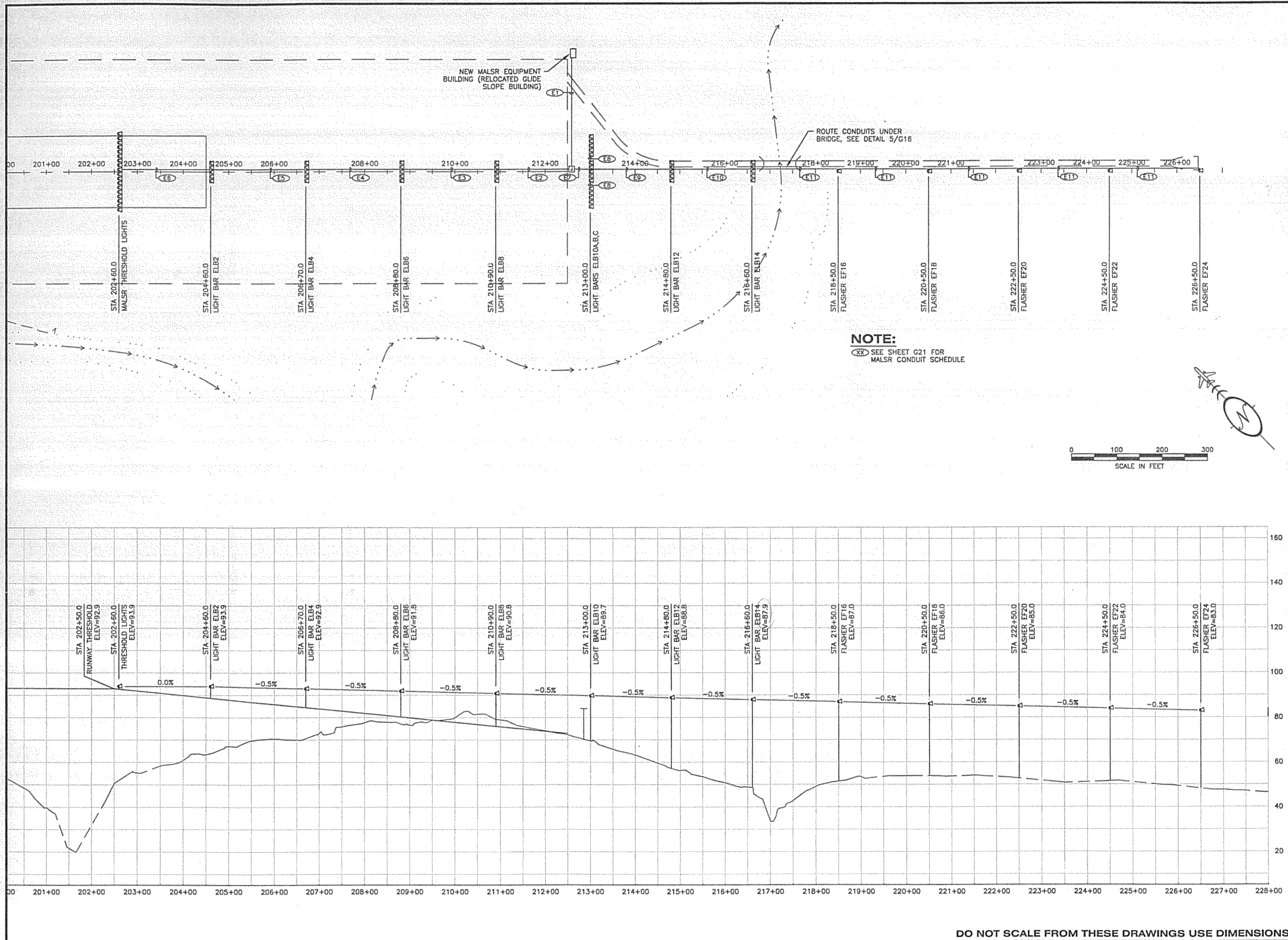
MALSR PLAN & PROFILE - WEST

PROJECT DESIGNATION
 AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G19	131



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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Tue, 03/Oct/06 02:22PM tschneller
TAB: G09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MALSR PLAN & PROFILE - EAST

PREPARED BY: USKH INC.

CHECKED BY: GRH

STATE OF ALASKA
49th
GARY R. HABLE
REGISTERED PROFESSIONAL ENGINEER
EE-10243
10/4/06

DESIGNED BY: LPS
DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MALSR PLAN &
PROFILE - EAST

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G20	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

MALSR LIGHTBARS AND FLASHERS - RW 11									
DES.	STA.	OFFSET	APPROX HGT	EXISTING TO REMAIN	EXISTING REUSED	NEW	INSTALL DETAIL	FNDTN DTL SHEET	REMARKS
TRSHLD LTS	127+40.0	-	1.0	-	LAMPOLDERS, COLUMNS, BASEPLATES	LIGHT BASES, LAMPS	1/G27	-	
WLB2	125+50.0	0.0	1.5	-	LAMPOLDERS, BASEPLATES	LIGHT BASES, LAMPS, COLUMNS	3/G23	-	
WLB4	123+50.0	0.0	2.1	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB6	121+50.0	0.0	2.6	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB8	119+50.0	0.0	2.8	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB10A	117+50.0	28.0 LT	3.9	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB10B	117+50.0	0.0	3.9	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB10C	117+50.0	28.0 RT	3.9	-	LAMPOLDERS	LIGHT BASES, LAMPS, COLUMNS, BASEPLATES	3/G23	-	
WLB12	115+50.0	0.0	14.7	-	LAMPOLDERS, JB, LIGHT BAR, TOWER, BASE ASMBLY	LAMPS	1/G23	G25	
WLB14	113+50.0	0.0	23.6	-	LAMPOLDERS, JB, LIGHT BAR, TOWER, BASE ASMBLY	LAMPS	1/G22	G26	
WF14	113+50.0	0.0	-	-	FLASHER, ICC, JB		1/G24	-	LOCATE FLASHER ON WLB14 TOWER
WF16	111+67.0	0.0	31.7	-	TOWER, BASE ASSEMBLY	FLASHER, ICC, JB	1/G24	G26	
WF18	109+84.0	0.0	39.7	-	TOWER, BASE ASSEMBLY	FLASHER, ICC, JB	1/G24	G26	
WF20	108+00.0	0.0	54.5	FLASHER, ICC, JB, TOWER, FNDTN	-	-	-	-	REMOVE LIGHT BAR FROM TOWER
WF22	106+00.0	0.0	59.2	FLASHER, ICC, JB, TOWER, FNDTN	-	-	-	-	REMOVE LIGHT BAR FROM TOWER

NOTE: ALL CONDUIT, CONDUCTORS, AND FOUNDATIONS SHALL BE NEW UNLESS OTHERWISE INDICATED.
TOWERS AND LIGHTBARS INDICATED TO BE REUSED MAY BE FROM RW 11 OR RW 29 SYSTEM.

MALSR LIGHTBARS AND FLASHERS - RW 29									
DES.	STA.	OFFSET	APPROX HGT	EXISTING TO REMAIN	EXISTING REUSED	NEW	INSTALL DETAIL	FNDTN DTL SHEET	REMARKS
TRSHLD LTS	202+60.0	-	1.2	-	BASEPLATES	ALL OTHER COMPONENTS	1/G27	-	
ELB2	204+60.0	0.0	5.2	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G23	G25	
ELB4	206+70.0	0.0	8.4	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G23	G25	
ELB6	208+80.0	0.0	11.5	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G23	G25	
ELB8	210+90.0	0.0	14.7	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G23	G25	
ELB10A	213+00.0	28.0 LT	20.2	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G22	G26	
ELB10B	213+00.0	0.0	20.2	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G22	G26	
ELB10C	213+00.0	28.0 RT	20.2	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G22	G26	
ELB12	214+80.0	0.0	31.6	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G22	G26	
ELB14	216+60.0	0.0	39.3	-	LIGHTBAR, BASE ASSEMBLY	LAMPOLDERS, LAMPS, JB, TOWER	1/G22	G26	
EF16	218+50.0	0.0	35.5	-	BASE ASSEMBLY	FLASHER, ICC, JB, TOWER	1/G24	G26	
EF18	220+50.0	0.0	32.1	-	BASE ASSEMBLY	FLASHER, ICC, JB, TOWER	1/G24	G26	
EF20	222+50.0	0.0	32.2	-	BASE ASSEMBLY	FLASHER, ICC, JB, TOWER	1/G24	G26	
EF22	224+50.0	0.0	32.4	-	BASE ASSEMBLY	FLASHER, ICC, JB, TOWER	1/G24	G26	
EF24	226+50.0	0.0	34.7	-	BASE ASSEMBLY	FLASHER, ICC, JB, TOWER	1/G24	G26	

NOTES: ALL CONDUIT, CONDUCTORS, AND FOUNDATIONS SHALL BE NEW UNLESS OTHERWISE INDICATED.
TOWERS AND LIGHTBARS INDICATED TO BE REUSED MAY BE FROM RW 11 OR RW 29 SYSTEM.

MALSR CONDUIT SCHEDULE															
ID	DESCRIPTION	SERVICE	ID	DESCRIPTION	SERVICE	ID	DESCRIPTION	SERVICE	ID	DESCRIPTION	SERVICE				
E1	2°C		E7	2°C		W1	2°C		W5	2°C					
	- 3#2/0	THRESHOLD LTS		- 3#8	ELB10A,B,C		- 3#2/0	THRESHOLD LTS		- 3#8	WLB10A,C				
	- 3#8	ELB10A,B,C		- 1#8	GROUND		- 3#8	WF14,16		- 1#8	GROUND				
	- 1#2/0	GROUND		2°C			- 1#2/0	GROUND		2°C					
	- 3#2	EF16-24		- 3#6	WLB2,4		- 3#2/0	THRESHOLD LTS							
	- 3#8	ELB12,14		- 3#8	WLB6,8		- 1#2/0	GROUND							
	- 1#2	GROUND		- 1#6	GROUND		2°C								
	2°C			- 3#6	WLB10A,B,C		- 3#6	WLB2,4							
	- 3#8	ELB6,8		- 3#8	WLB12,14		- 3#8	WLB6,8							
	- 1#8	GROUND		- 1#6	GROUND		- 1#6	GROUND							
2°C	- 2-6PR#19 SHLD	EF16-24	2°C	- 2-6PR#19 SHLD	EF16-24	2°C	- 2-6PR#19 SHLD	WF14,16	2°C	- 2-6PR#19 SHLD	WF14,16				
2°C	- PULL ROPE	SPARE	E8	2°C		W2	2°C		W6	2°C					
E2	2°C		- 2#8	ELB10A,C	- 3#2/0		THRESHOLD LTS	- 3#6		WLB2,4					
	- 3#2/0	THRESHOLD LTS	- 1#8	GROUND	- 3#8		WF14	- 3#8		WLB6,8					
	- 1#2/0	GROUND	2°C		- 1#2/0		GROUND	- 1#6		GROUND					
	2°C		- 3#2	EF16-24	2°C			- 3#6		WLB10A,B,C					
	- 3#8	ELB2,4	- 3#8	ELB12,14	- 3#6		WLB2,4	- 3#8		WLB12,14					
	- 3#8	ELB6,8	- 1#2	GROUND	- 3#8		WLB6,8	- 1#6		GROUND					
	- 1#8	GROUND	2°C	- 2-6PR#19 SHLD	EF16-24		- 1#6	GROUND		- 1#6	GROUND				
	E3	2°C		E9	2°C			W3		2°C		W7	2°C		
		- 3#2/0	THRESHOLD LTS		- 3#4		EF16-24			- 3#2/0	THRESHOLD LTS		- 3#2/0	THRESHOLD LTS	
		- 1#2/0	GROUND		- 2#8	ELB14	- 3#8		WF14	- 1#2/0	GROUND				
2°C			- 1#4		GROUND	- 1#6	GROUND		2°C						
- 3#8		ELB2,4	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 2#8		ELB6	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
- 1#8		GROUND	- 1#4		GROUND	- 1#6	GROUND		- 1#6	GROUND					
E4		2°C			E10	2°C			W4	2°C			W8	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
	2°C		- 1#4	GROUND		- 1#6	GROUND	2°C							
	- 3#8	ELB2,4	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 3#8	ELB6,8	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	- 1#8	GROUND	- 1#4	GROUND		- 1#6	GROUND	- 1#6		GROUND					
	E5	2°C		E11		2°C		W5		2°C		W9		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
2°C			- 1#4		GROUND	- 1#6	GROUND		2°C						
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E6		2°C			E12	2°C			W6	2°C			W10	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E7	2°C		E13		2°C		W7		2°C		W11		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E8		2°C			E14	2°C			W8	2°C			W12	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E9	2°C		E15		2°C		W9		2°C		W13		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E10		2°C			E16	2°C			W10	2°C			W14	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E11	2°C		E17		2°C		W11		2°C		W15		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E12		2°C			E18	2°C			W12	2°C			W16	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E13	2°C		E19		2°C		W13		2°C		W17		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E14		2°C			E20	2°C			W14	2°C			W18	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E15	2°C		E21		2°C		W15		2°C		W19		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E16		2°C			E22	2°C			W16	2°C			W20	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E17	2°C		E23		2°C		W17		2°C		W21		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E18		2°C			E24	2°C			W18	2°C			W22	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E19	2°C		E25		2°C		W19		2°C		W23		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E20		2°C			E26	2°C			W20	2°C			W24	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E21	2°C		E27		2°C		W21		2°C		W25		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E22		2°C			E28	2°C			W22	2°C			W26	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E23	2°C		E29		2°C		W23		2°C		W27		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
- 2#8		ELB2	2°C		- 2-6PR#19 SHLD	EF16-24	- 3#6		WLB2,4	- 3#6	WLB2,4				
- 1#8		GROUND	- 3#4		EF16-24	- 3#8	WLB12,14		- 3#8	WLB6,8					
E24		2°C			E30	2°C			W24	2°C			W28	2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8	ELB14			- 3#8	WF14			- 1#2/0	GROUND
		2°C				- 1#4	GROUND			- 1#6	GROUND			2°C	
	- 2#8	ELB2	2°C	- 2-6PR#19 SHLD		EF16-24	- 3#6	WLB2,4		- 3#6	WLB2,4				
	- 1#8	GROUND	- 3#4	EF16-24		- 3#8	WLB12,14	- 3#8		WLB6,8					
	E25	2°C		E31		2°C		W25		2°C		W29		2°C	
		- 3#2/0	THRESHOLD LTS			- 3#4	EF16-24			- 3#2/0	THRESHOLD LTS			- 3#2/0	THRESHOLD LTS
		- 1#2/0	GROUND			- 2#8									

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

PREPARED BY: USKH INC.
CHECKED BY: GRH

DESIGNED BY: LPS
DRAWN BY: LPS

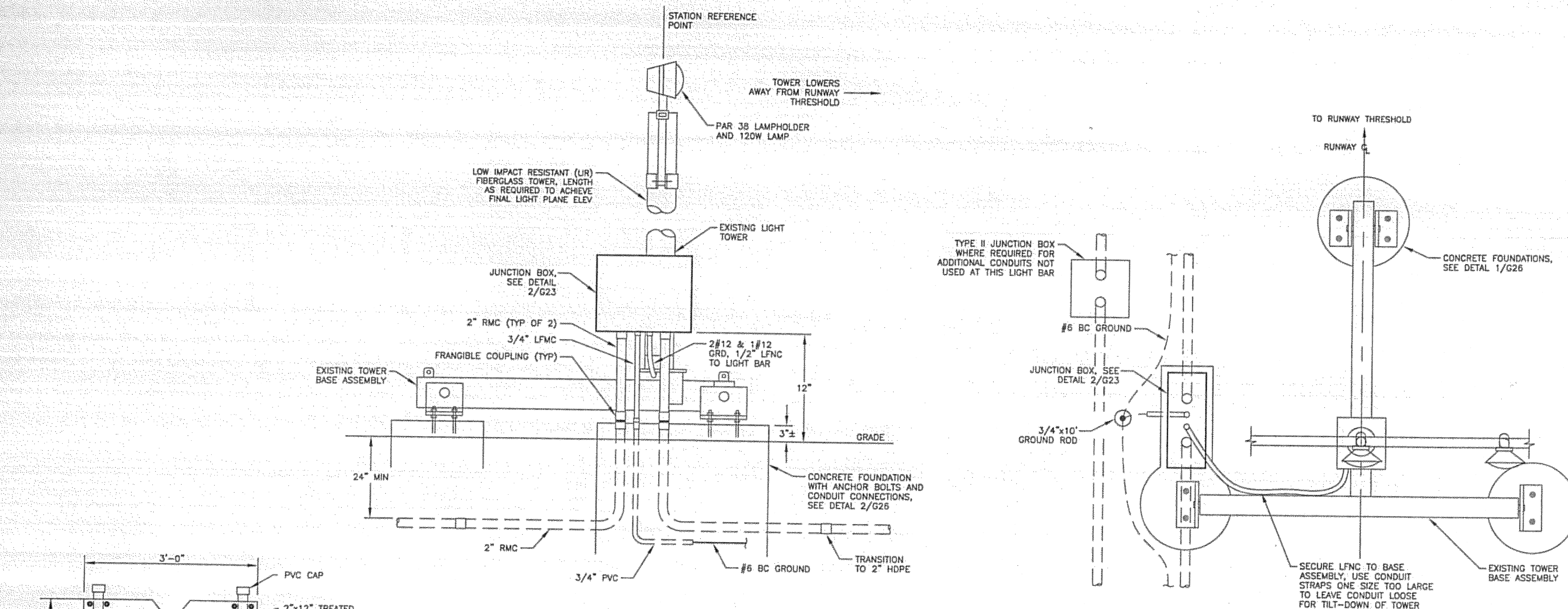
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

10/4/06

MALSR SCHEDULES

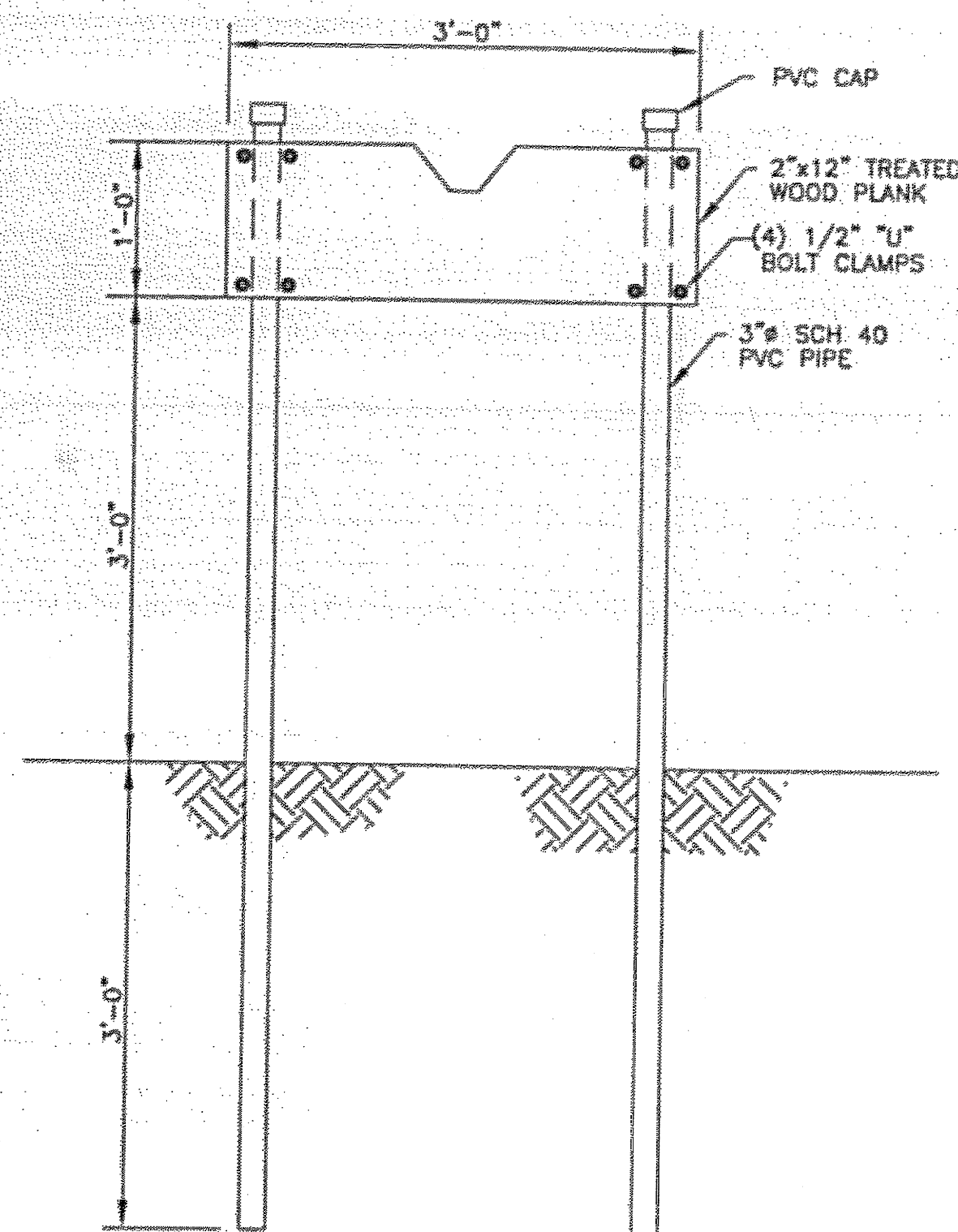
PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G21	131



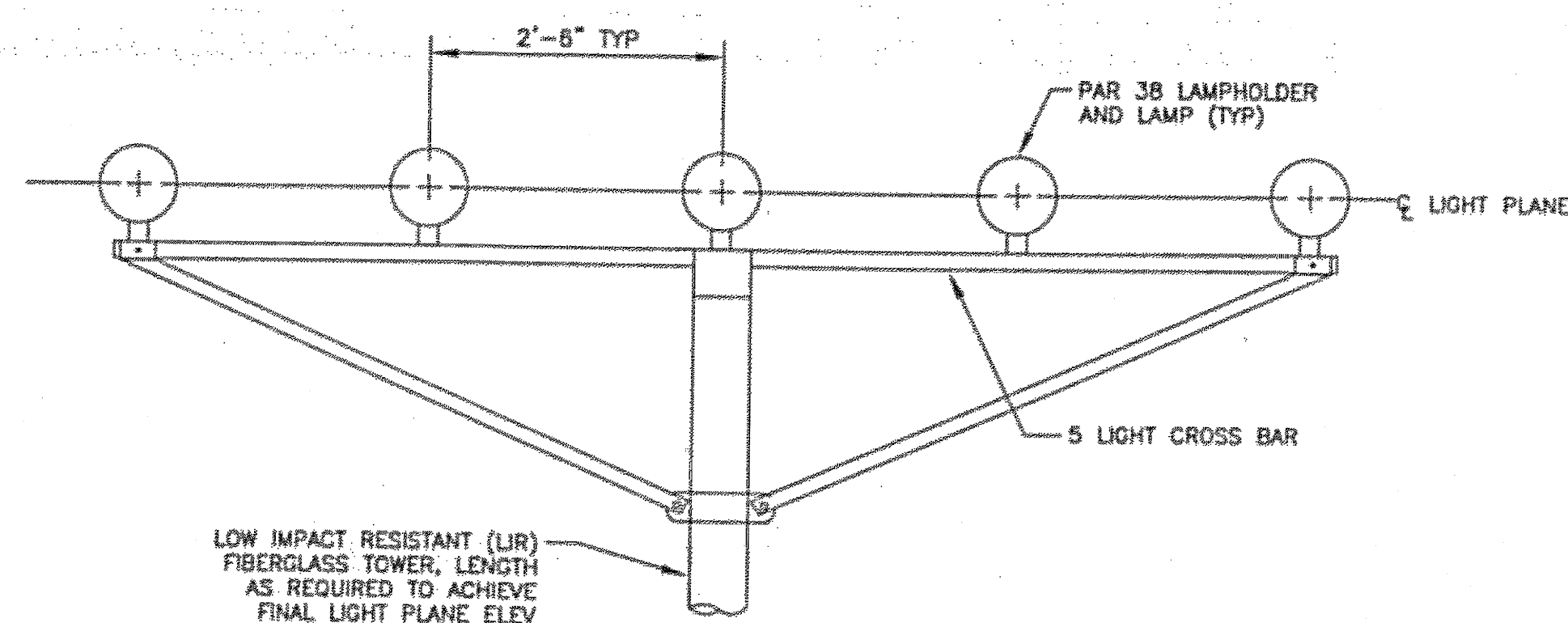
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G22 LIGHT BAR TOWER DETAILS - WITH GUY WIRES
N.T.S.

NOTE:
GUY WIRES NOT SHOWN FOR CLARITY

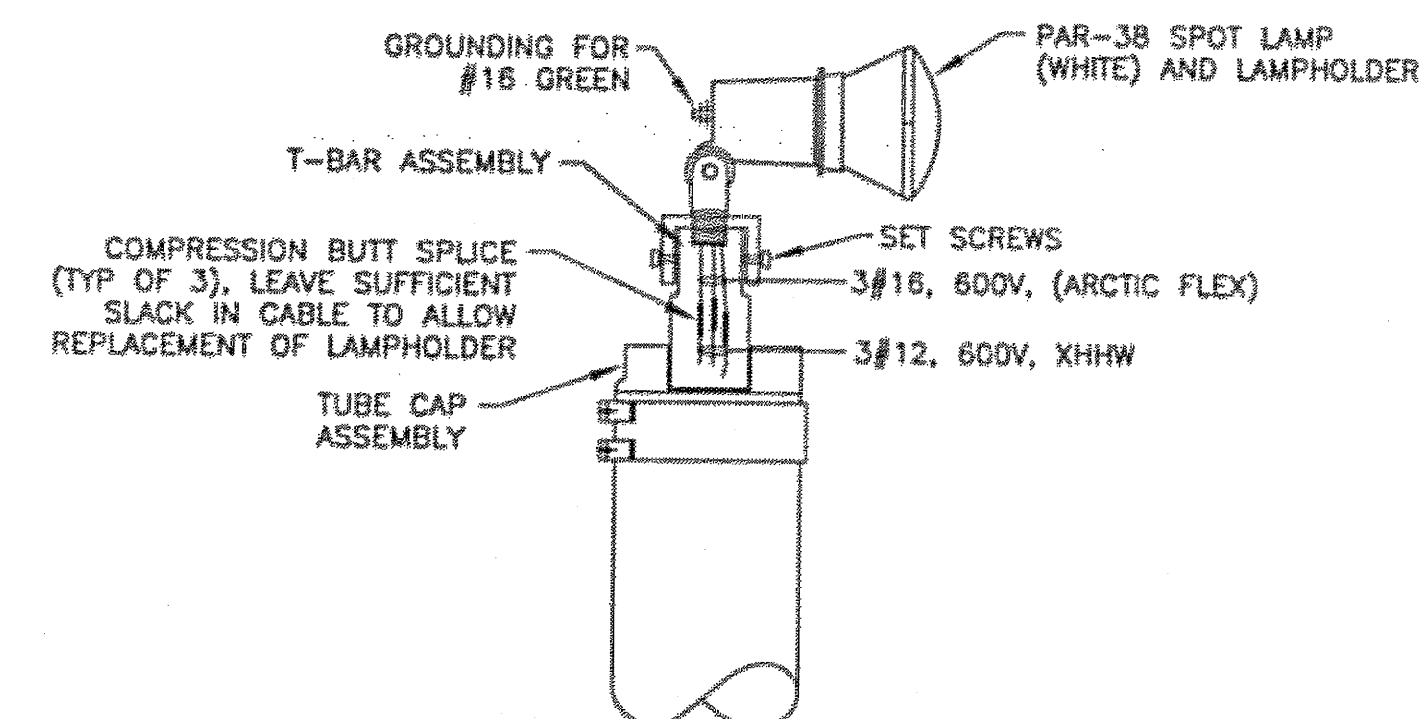


NOTE:
PROVIDE ONE MAST SUPPORT FOR EACH MALSR
MAST AND ONE FOR THE RVR MAST. COORDINATE
LOCATION WITH MAST HEIGHT.

4
G22 MAST SUPPORT
N.T.S.



3
G22 LIGHT BAR DETAIL
N.T.S.



2
G22 LIGHT BAR ASSEMBLY/
LAMPHOLDER DETAIL
N.T.S.

PATH:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

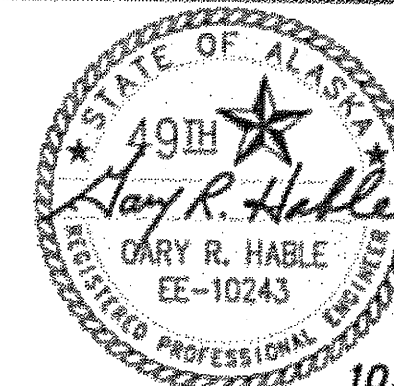
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MALSR DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MALSR DETAILS

PROJECT DESIGNATION

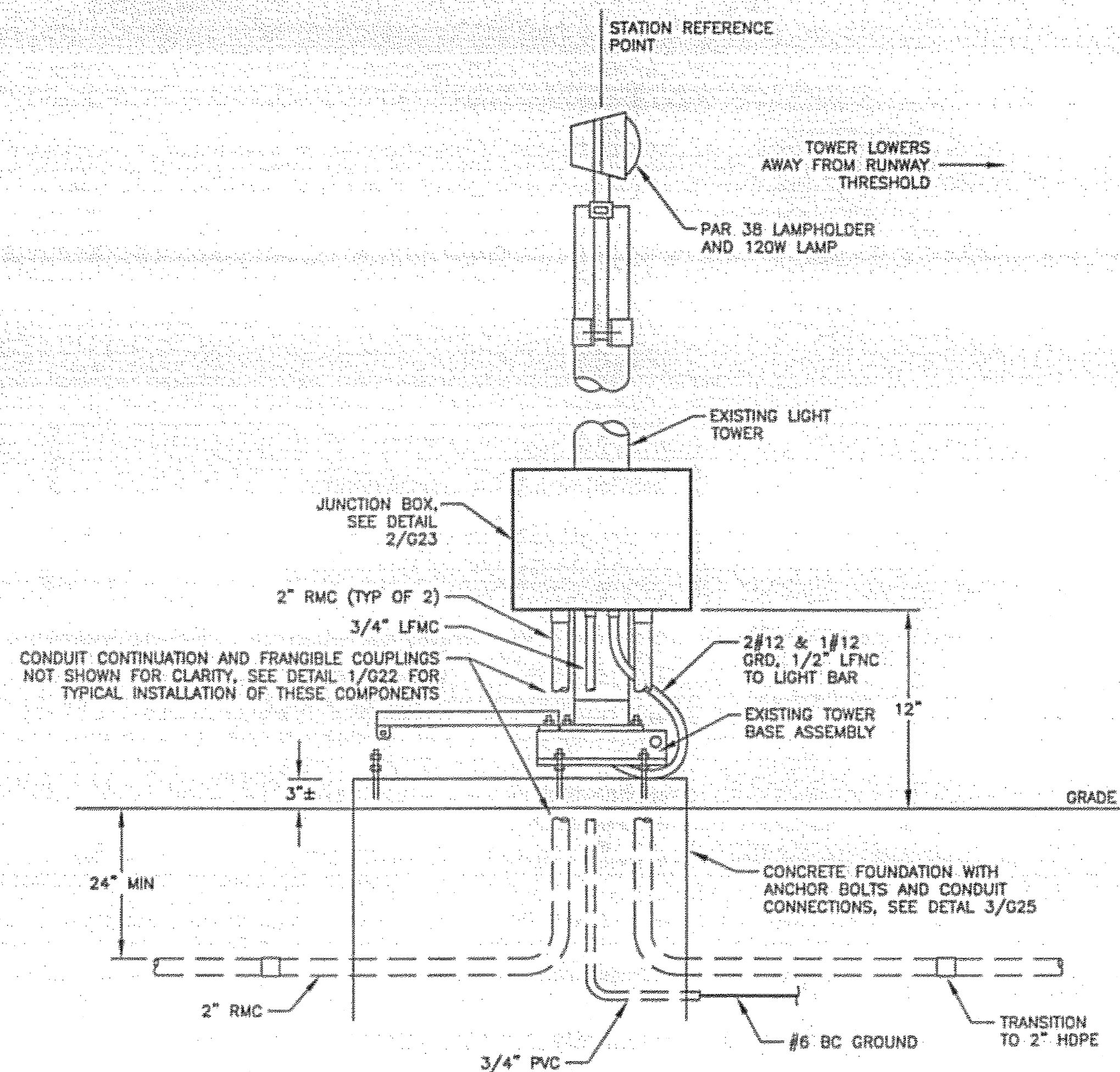
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

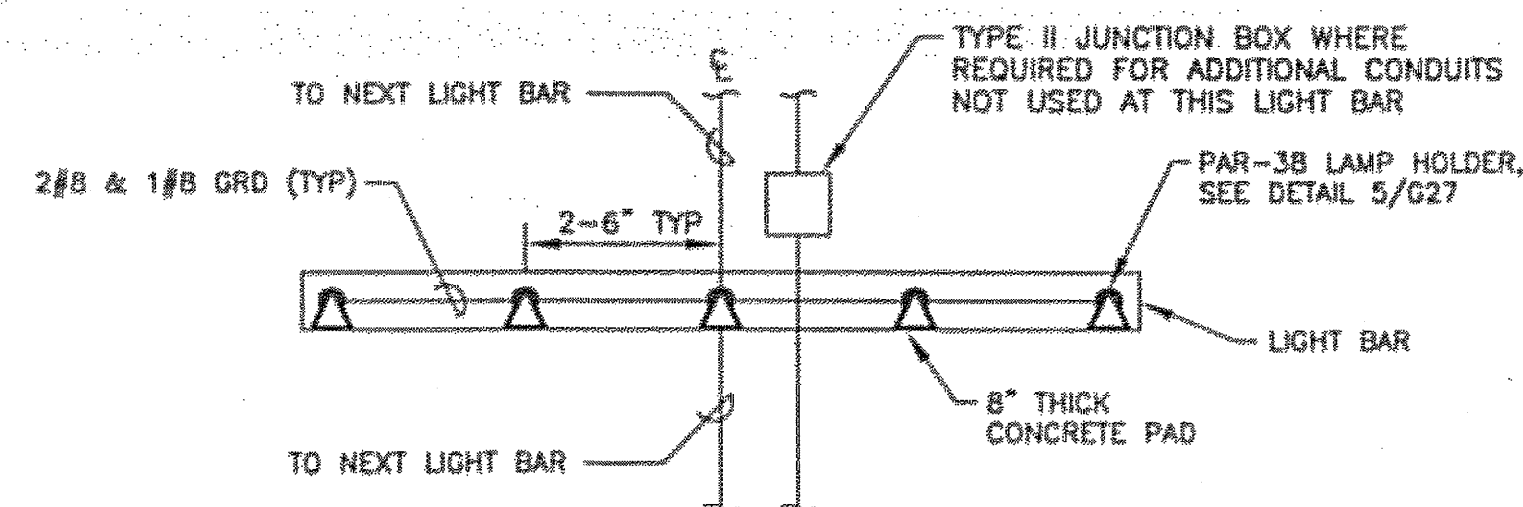
SHEET NUMBER	TOTAL SHEETS
G22	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

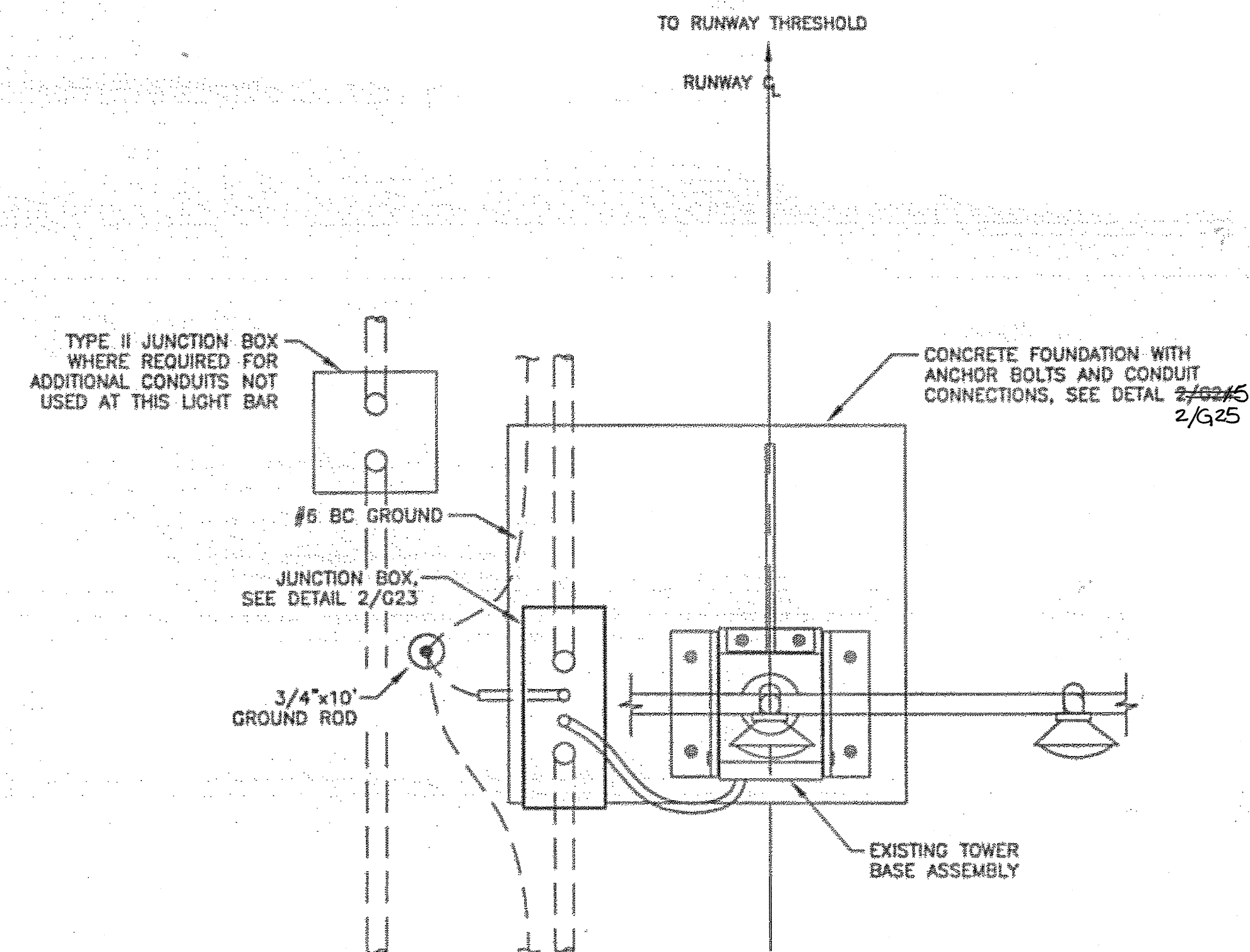
See attached Electrical Asbuilts



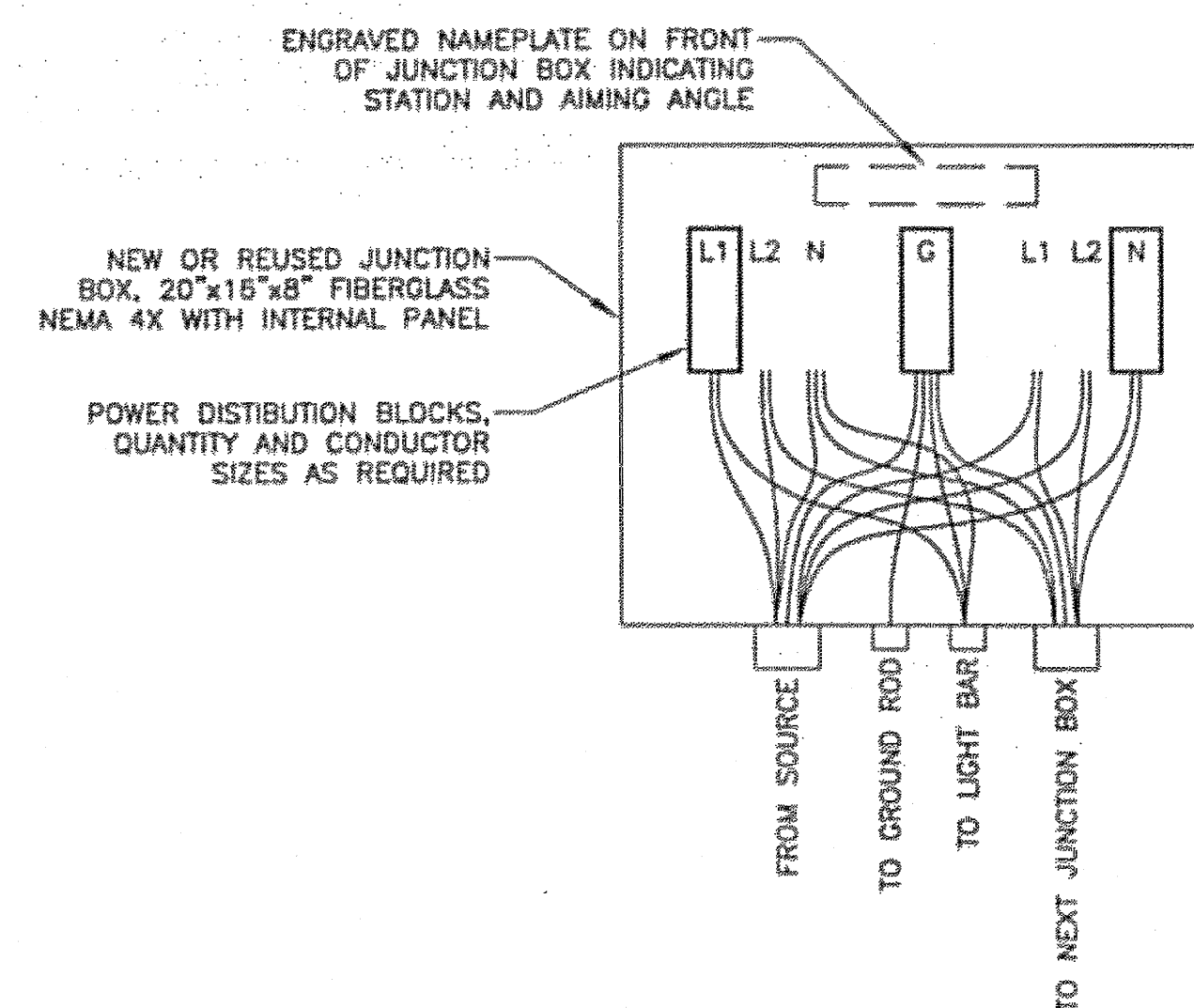
1 LIGHT BAR TOWER DETAILS - WITHOUT GUY WIRES
G23 N.T.S.



3 BASE MOUNTED LIGHT BAR PLAN
G23 N.T.S.



2 LIGHT BAR JUNCTION BOX
G23 N.T.S.



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PATH:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

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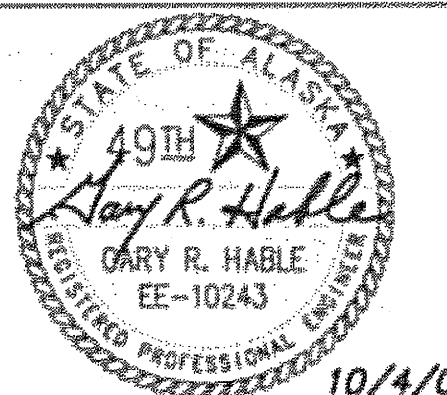
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MALSR DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

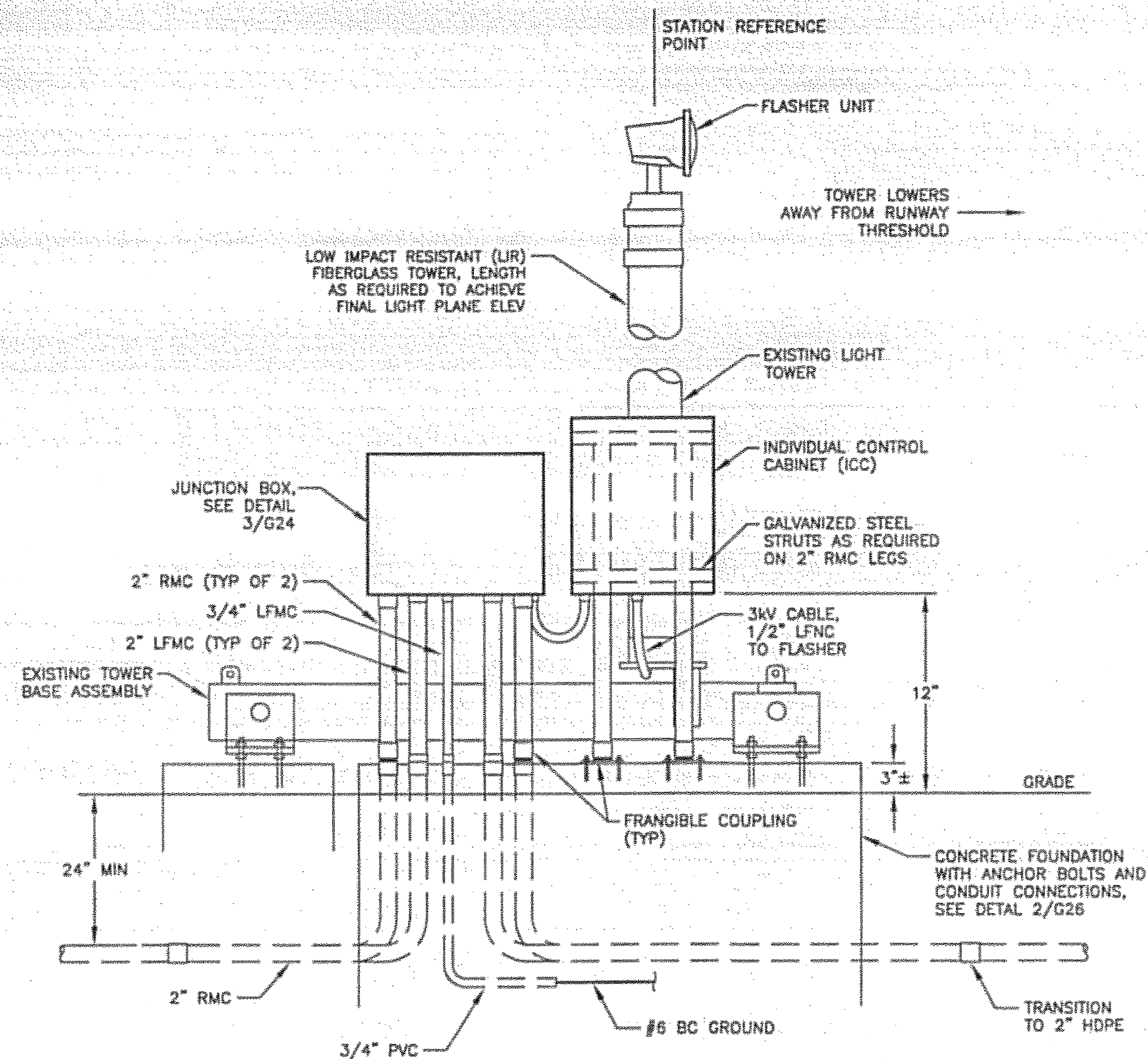
MALSR DETAILS

PROJECT DESIGNATION

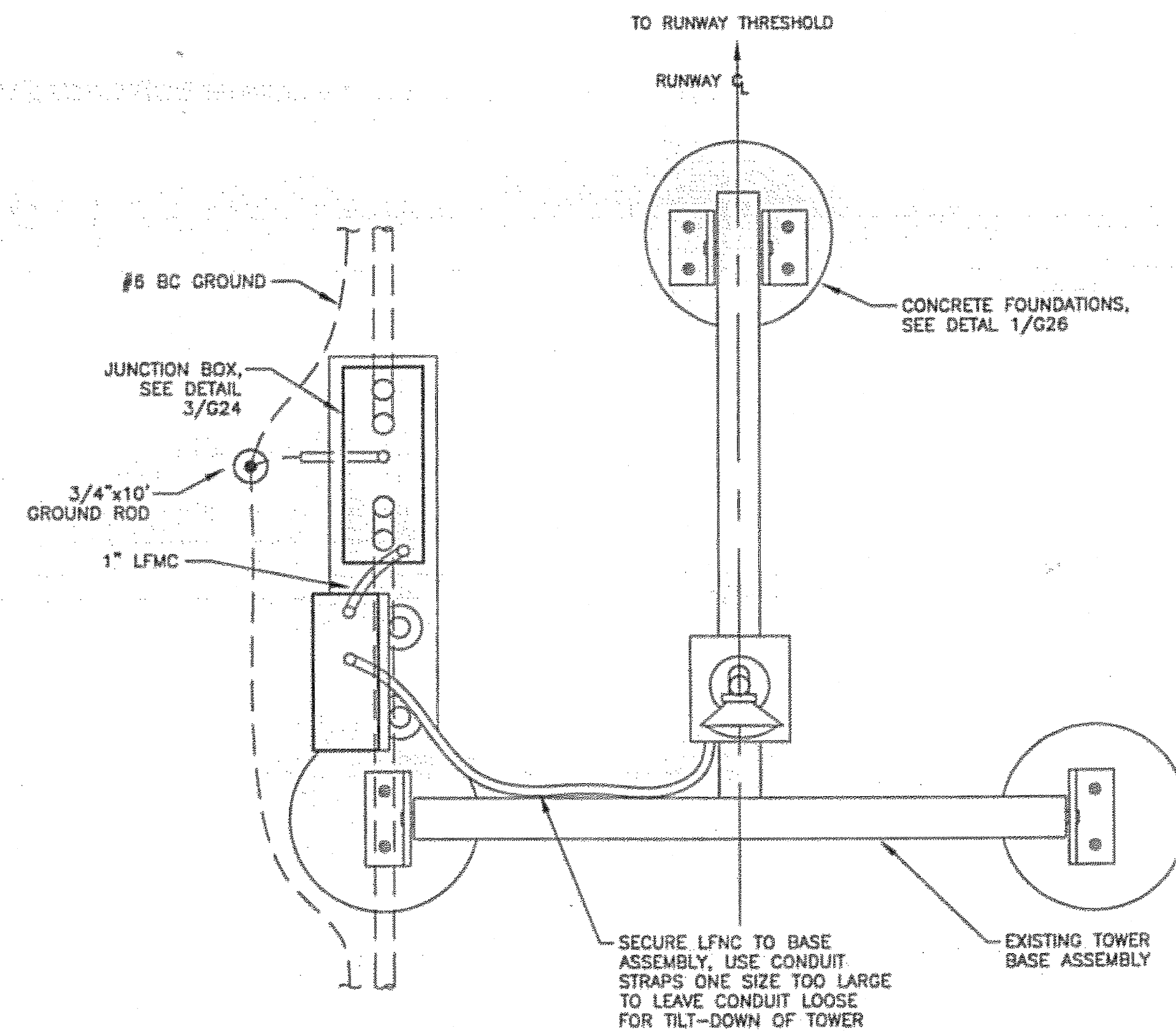
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G23	131

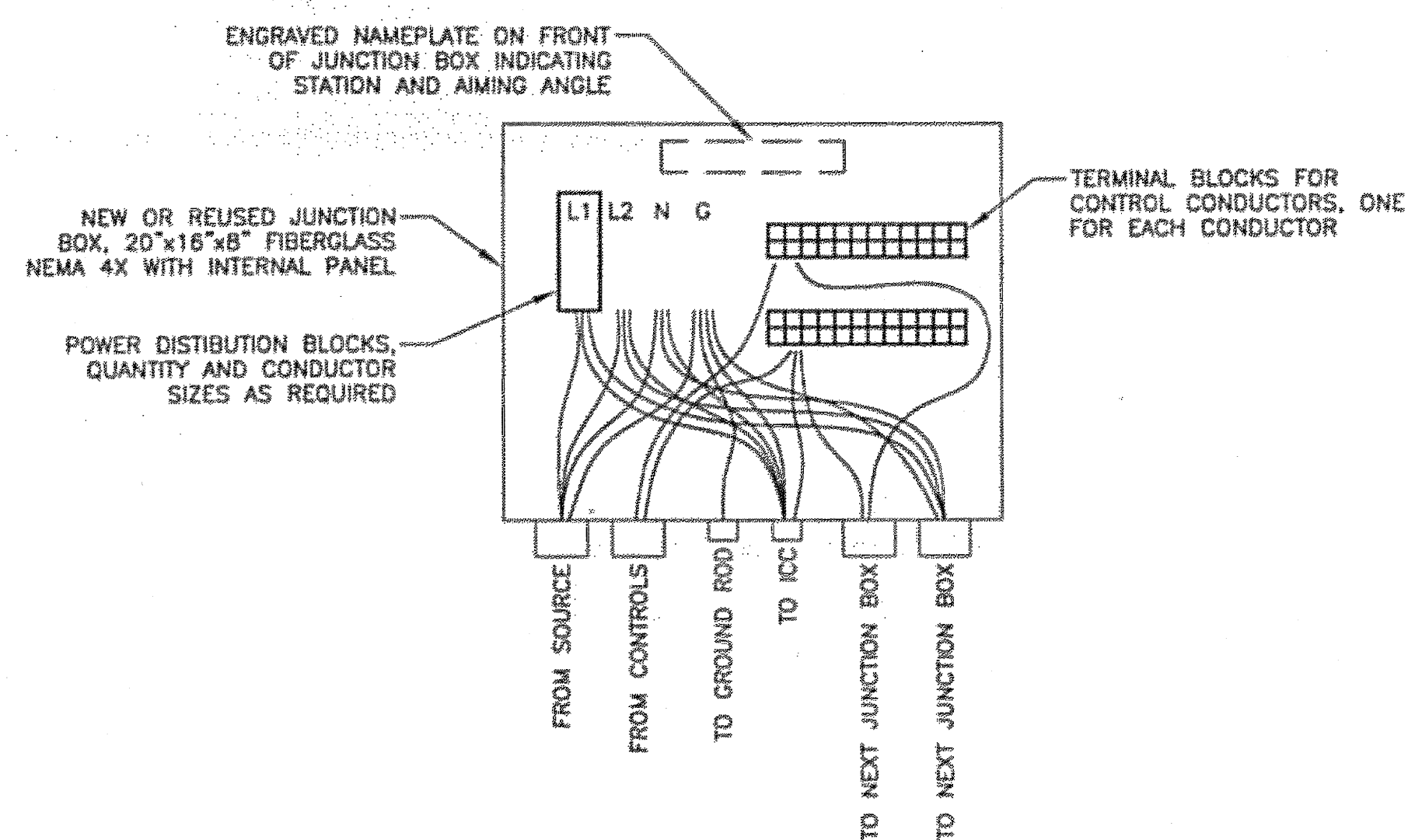
See attached Electrical Asbuilts



1
G24 **FLASHER TOWER DETAILS - WITH GUY WIRES**
N.T.S.



NOTE:
GUY WIRES NOT SHOWN FOR CLARITY



3
G24 **FLASHER JUNCTION BOX**
N.T.S.

2
G24 **FLASHER UNIT DETAIL**
N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\823400\Draws\E\Sheets\G24-M6.dwg
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

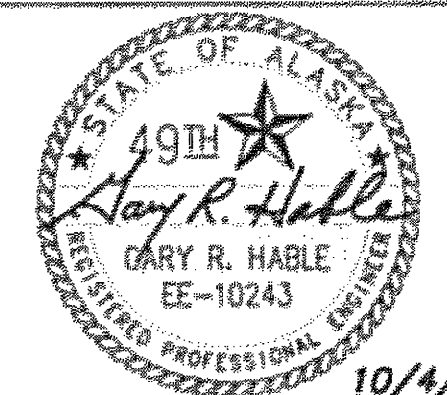
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MALSR DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

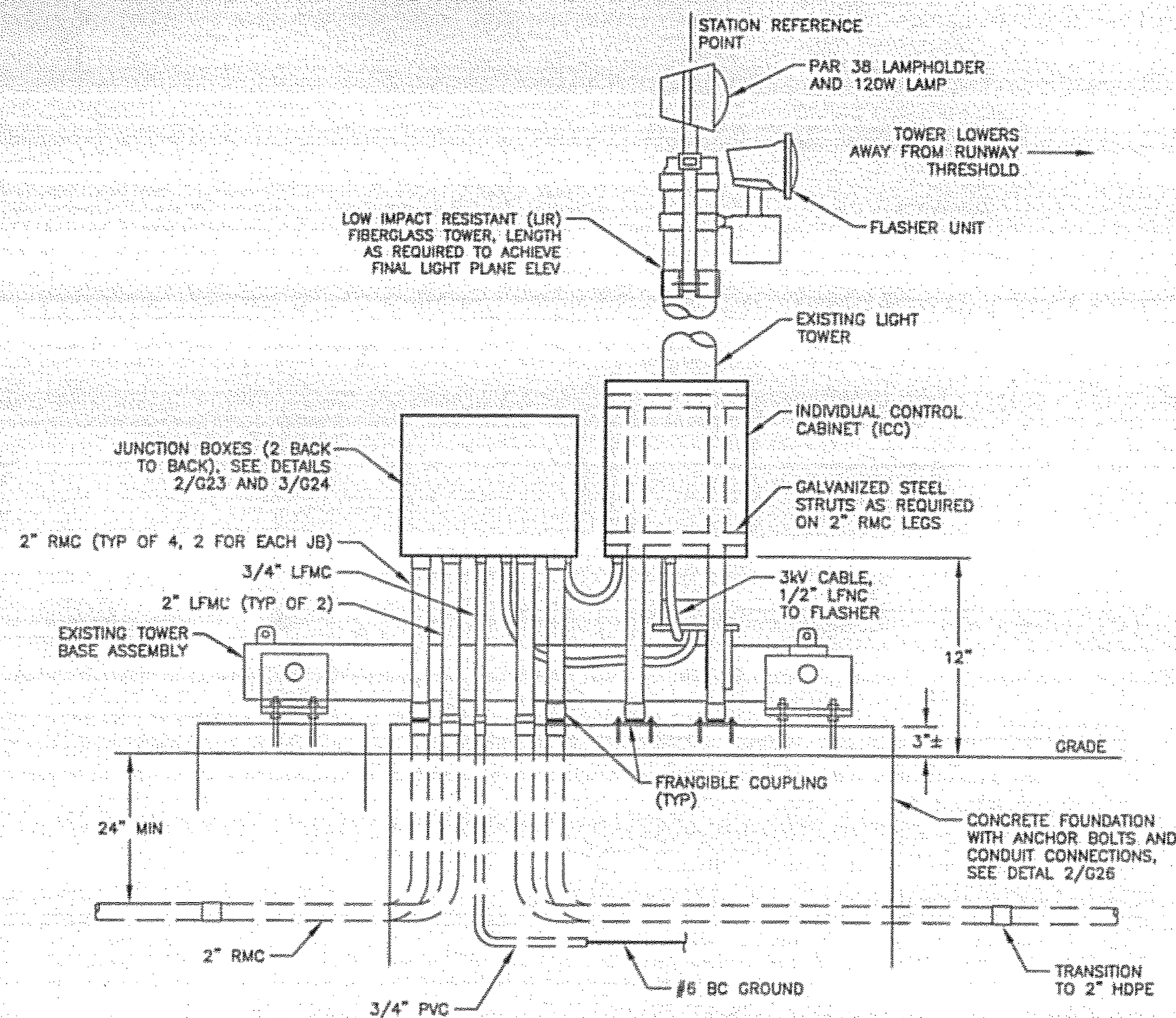
MALSR DETAILS

PROJECT DESIGNATION

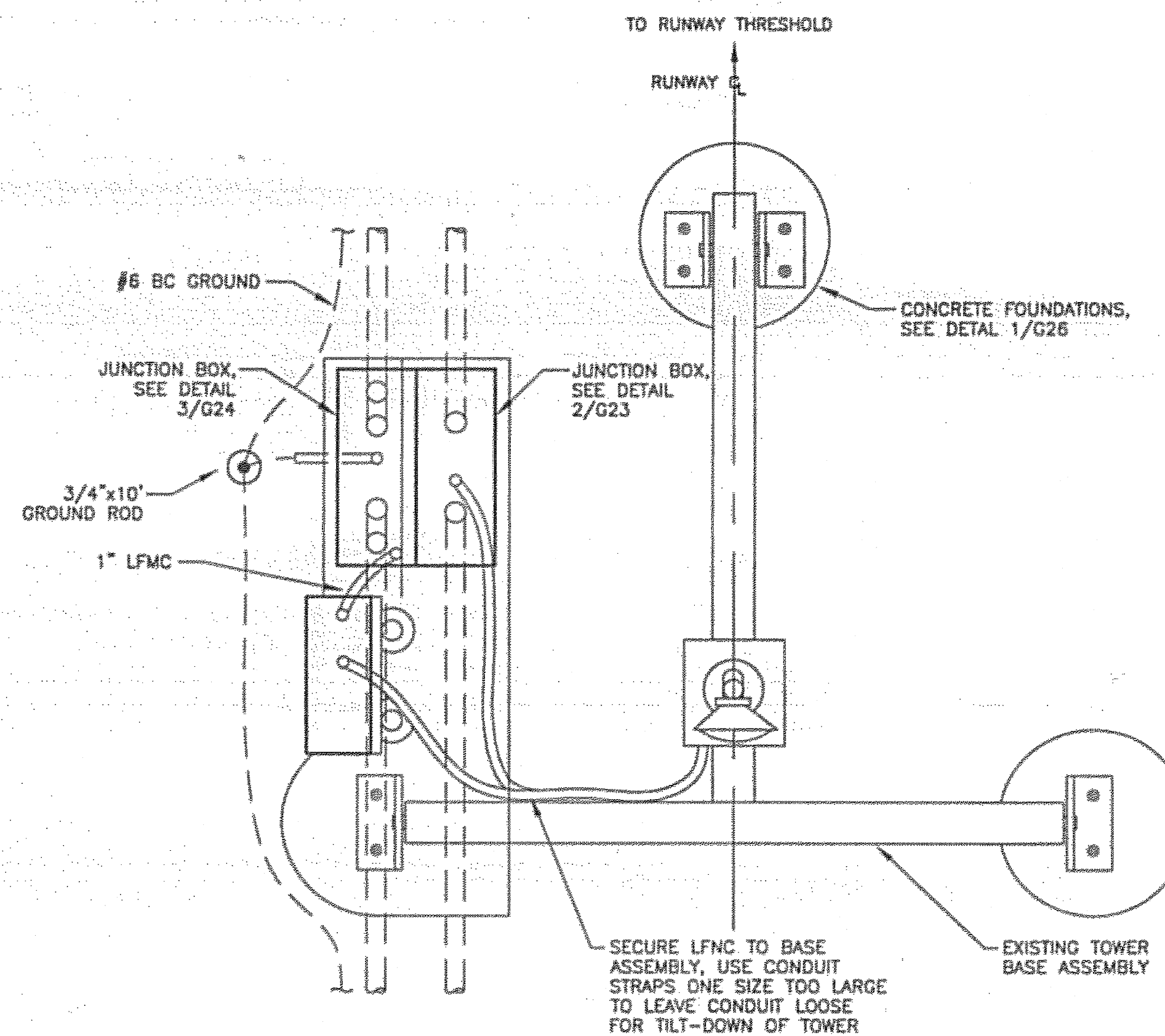
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G24	131

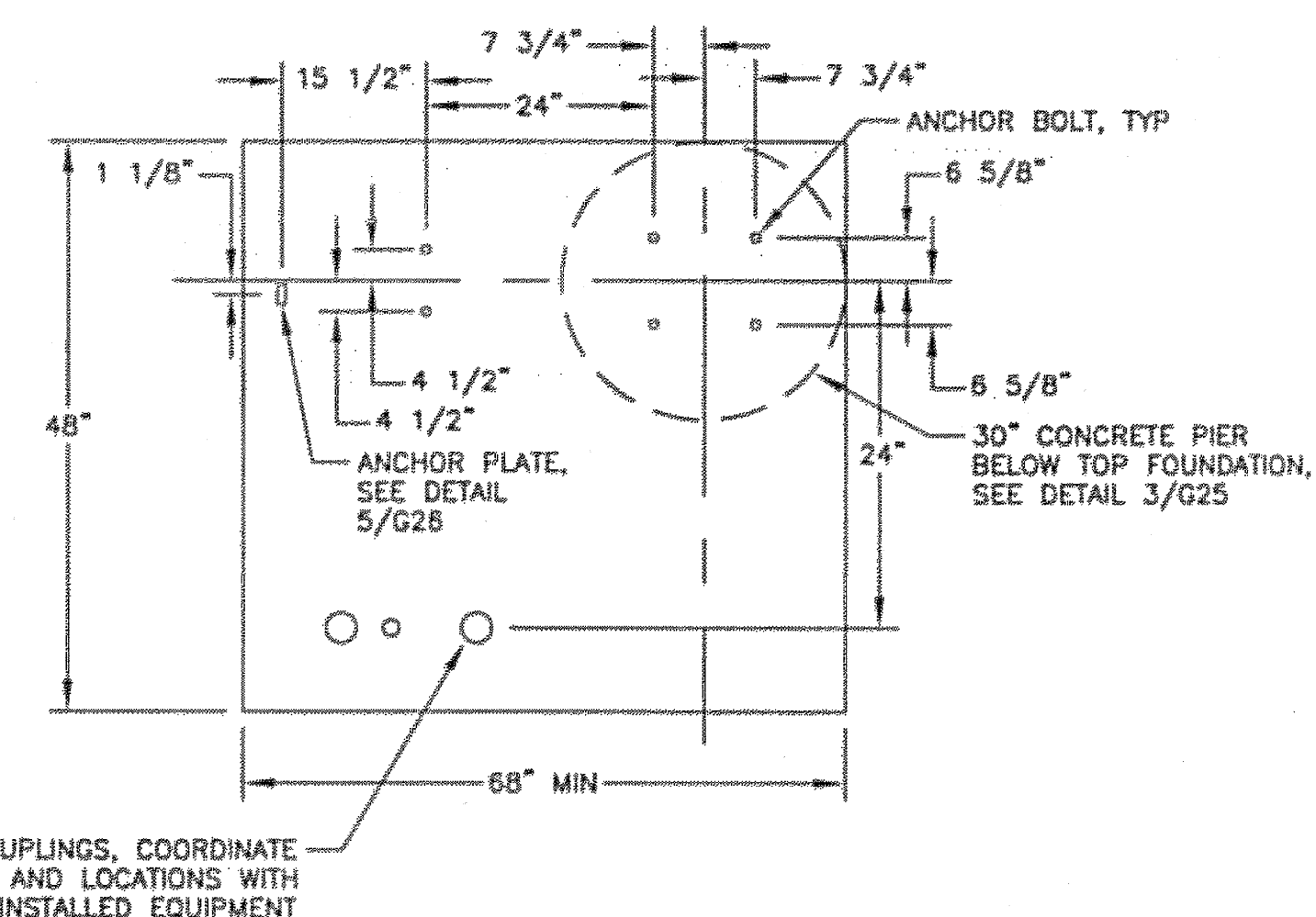
See attached Electrical Asbuilts



1 LIGHT BAR/FLASHER TOWER DETAILS - WITH GUY WIRES
G24 N.T.S.

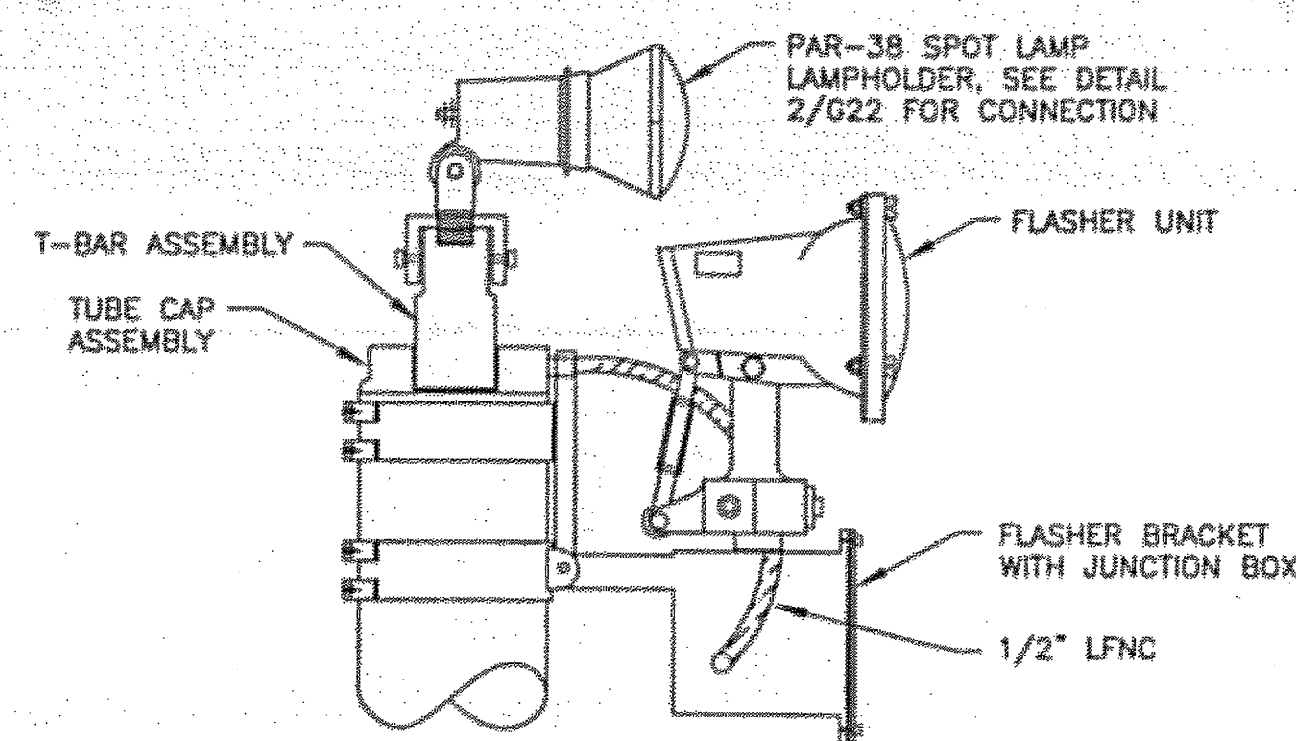


NOTE:
GUY WIRES NOT SHOWN FOR CLARITY

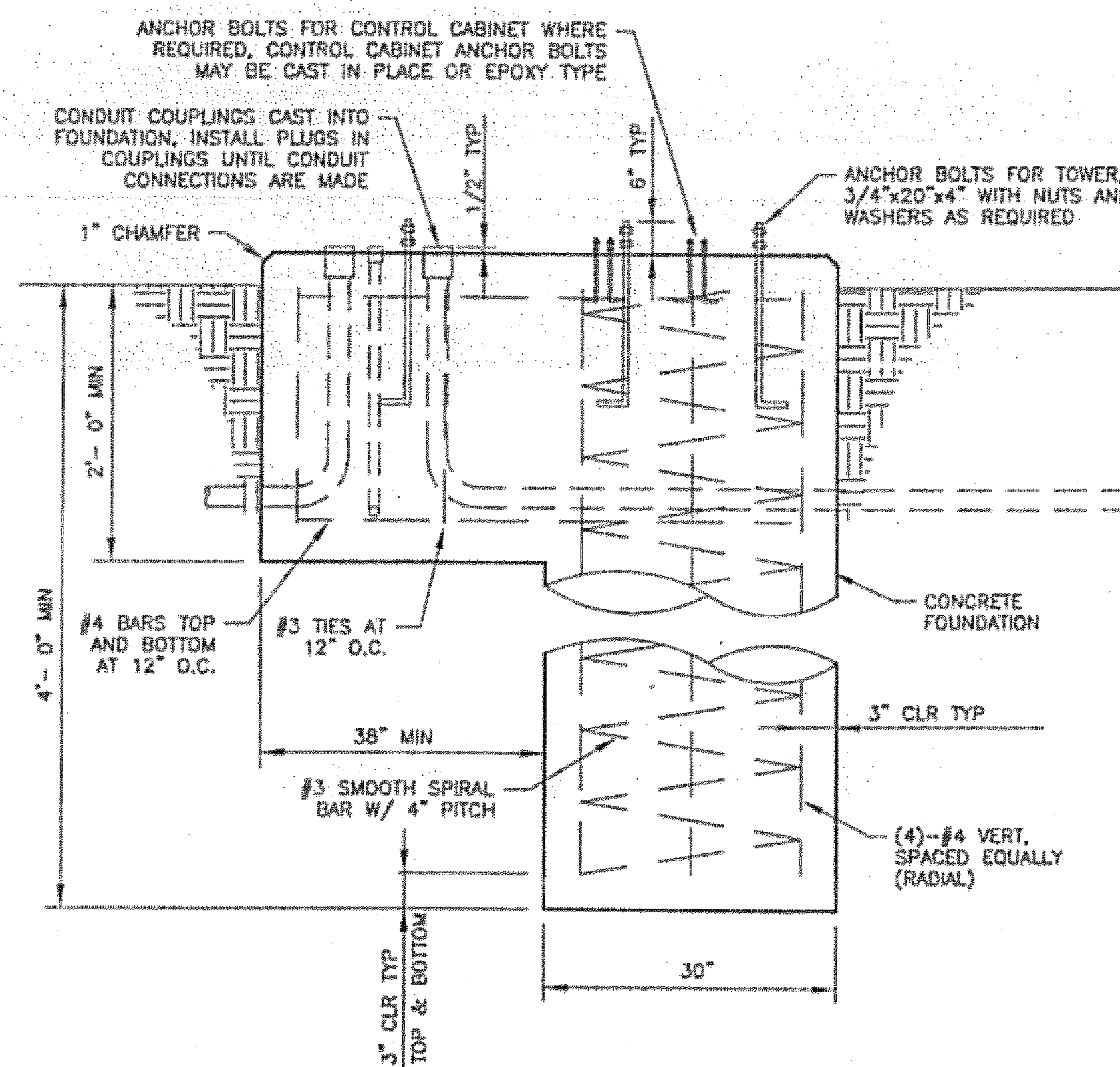


2 TOWER FOUNDATION LAYOUT
G25 N.T.S.

NOTE:
CONCRETE ANCHOR BOLT LOCATIONS SHOWN FOR NEW JAQUITH MG-20 BASE ASSEMBLY, ADJUST DIMENSIONS AS REQUIRED WHEN REUSING EXISTING EQUIPMENT



4 LIGHT BAR/FLASHER UNIT DETAIL
G25 N.T.S.



3 TOWER FOUNDATION DETAIL
G25 N.T.S.

PATH:
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Tss, 03/Oct/06 02:23PM Ischneller
TAB: G12

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

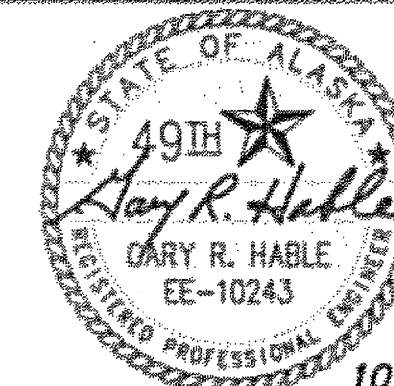
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MALSR DETAILS

PREPARED BY: USKH INC.

CHECKED BY: GRH



DESIGNED BY: LPS

DRAWN BY: LPS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MALSR DETAILS

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
G25	131

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See attached Electrical Asbuilts