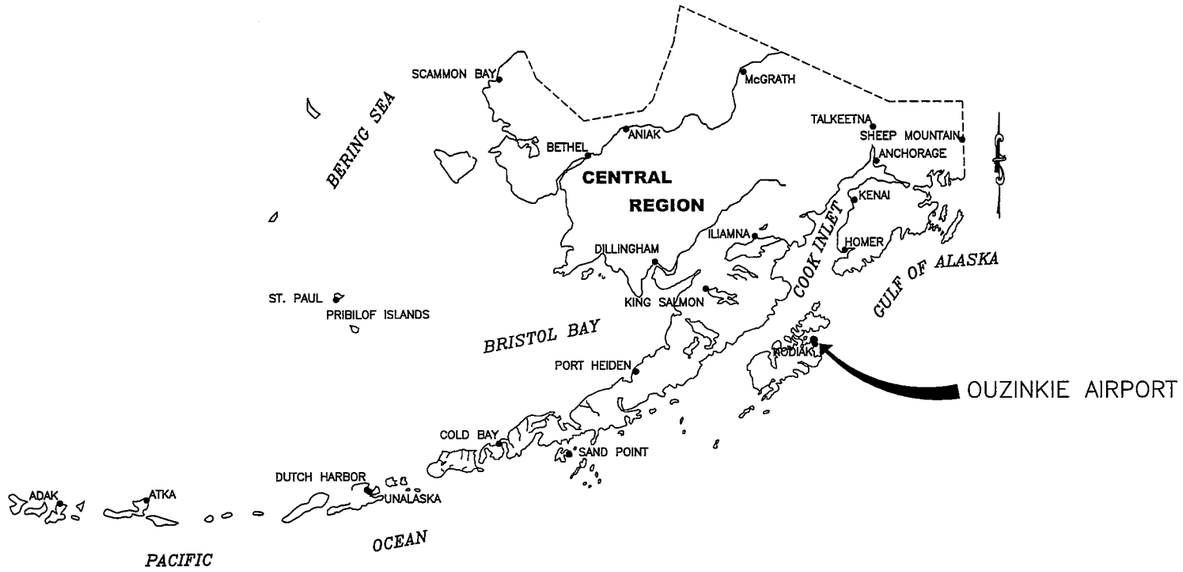
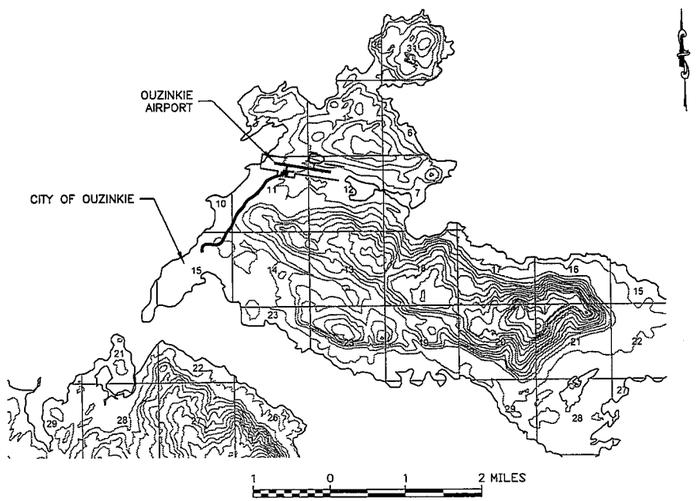


ALASKA CENTRAL REGION LOCATION MAP

NOT TO SCALE



VICINITY MAP

T 26 S, R 20 W, SEC. 10,11,12,15
SEWARD MERIDIAN
U.S.G.S. KODIAK (D-2), ALASKA

PRE PS&E REVIEW FOR
OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIRPORT IMPROVEMENT PROGRAM No. 3-02-0480-002-2011
2011

CONCUR	**DATE**
ROBERT A. CAMPBELL, P.E.	DIRECTOR, DESIGN AND CONSTRUCTION
APPROVED	**DATE**
K. KIM RICE, P.E.	REGIONAL PRECONSTRUCTION ENGINEER
APPROVED	**DATE**
HARVEY M. DOUTHIT, P.E.	DESIGN SECTION CHIEF
APPROVED	**DATE**
GARY E. LINCOLN, P.E.	PROJECT MANAGER

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
TITLE, SIGNATURES, LOCATION MAP & VICINITY MAP

DATE: 02/10/2010
SHEET: 1 OF 10
AS-BUILT SHEET:

Designed By: TLC
Drawn By: CRS
Checked By: LB
Date Revised:
Layout Name: 12/23/2010, 10:05 AM
Title:
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Cover Sheet.dwg

INDEX

SHEET TITLE	SHEET No.
TITLE, SIGNATURES, LOCATION MAP, & VICINITY MAP	1
INDEX, LEGEND & ABBREVIATIONS	2
ESTIMATED QUANTITIES	3
PROJECT LAYOUT PLAN	4
SURVEY CONTROL SHEET	5–7
SREB GRADING PLAN	8
BOLLARD AND FENCE PLAN	9
FUEL OIL PIPING AND TANK DETAILS	10
ELECTRICAL PLANS – AIRPORT LIGHTING	E01–E09

APPENDIX DRAWINGS

SHEET TITLE	SHEET No.
APPENDIX A	
EROSION AND SEDIMENT CONTROL PLAN – ELECT. LINE EXTENSION	1 OF 2
EROSION AND SEDIMENT CONTROL PLAN – AIRPORT	2 OF 2
APPENDIX L	
SRE BUILDING PLAN AND DETAILS	
ARCHITECTURAL	A1–A4
ELECTRICAL	E1–E4
MECHANICAL	M1–M3
STRUCTURAL	S1–S4

STANDARD DRAWINGS

SHEET TITLE	SHEET No.
CHAIN LINK FENCE	F–01.01
CHAIN LINK FENCE GATE	F–03.01

LEGEND

DESCRIPTION	EXISTING	PROPOSED
AIRCRAFT TIE–DOWNS		
CULVERT		
DITCH		
DRAINAGE DIRECTION FLOW		
GEOTEXTILE SEPARATION		
ORIGINAL GROUND		
PROPERTY BOUNDARY		
PVI		
ROTATING BEACON		
RUNWAY EDGE LIGHT		
RUNWAY THRESHOLD/END LIGHT		
SIGN		
TOE OF SLOPE		
FILL		
CUT		
WIND CONE		
WIND CONE AND SEGMENTED CIRCLE		

ABBREVIATIONS

A/R	ACCESS ROAD
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM
CL	CENTER LINE
C.S.	CONTINGENT SUM
C.Y.	CUBIC YARD
ELEV	ELEVATION
FF	FINISH FLOOR
GB	GRADE BREAK
L.F.	LINEAR FOOT
L.S.	LUMP SUM
R/W	RUNWAY
S.F.	SQUARE FEET
T/W	TAXIWAY

STATE OF ALASKA 49TH GARY E. LINCOLN CE-9790 REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3–02–0480–002–2011
INDEX, LEGEND & ABBREVIATIONS

DATE: 02/10/2010
SHEET: 2 OF 10
AS–BUILT SHEET:

Designed By: TLC
Drawn By: CRS
Checked By: LB

Date Revised: 12/15/2010, 10:07 AM
Layout Name: Legend & Abbreviations
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04–2010)\Final Drawings\Cover Sheet.dwg

ESTIMATED QUANTITIES

No.	ITEM	UNIT	QUANTITY
F–162a	8 FT CHAIN–LINK FENCE	LF	62
F–162b	4 FT SINGLE SWING GATE	EA	1
F–170a	STEEL BOLLARD	EA	17
G–100a	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
G–115a	WORKER MEALS AND LODGING, OR PER DIEM	LS	ALL REQ'D
G–130a	FIELD OFFICE	LS	ALL REQ'D
G–130b	FIELD LABORATORY	LS	ALL REQ'D
G–130g	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EA	1
G–130j	ENGINEERING COMMUNICATIONS	CS	ALL REQ'D
G–131a	ENGINEERING TRANSPORTATION (TRUCK)	EA	1
G–131b	ENGINEERING TRANSPORTATION (ATV)	EA	1
G–135a	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LS	ALL REQ'D
G–135b	EXTRA THREE PERSON SURVEY PARTY	HR	24
G–150a	EQUIPMENT RENTAL, 70 HP MIN	HR	40
G–300a	CPM SCHEDULING	LS	ALL REQ'D
G–700a	AIRPORT FLAGGER	CS	ALL REQ'D
G–710a	HIGHWAY TRAFFIC MAINTENANCE	LS	ALL REQ'D
G–710b	HIGHWAY FLAGGER	CS	ALL REQ'D
G–710c	HIGHWAY TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
G–710d	HIGHWAY TRAFFIC CONTROL	CS	ALL REQ'D
L–100b	REGULATOR, L–828	EA	1
L–100d	MEDIUM INTENSITY RUNWAY EDGE AND THRESHOLD LIGHT, L–861 AND L–861E	EA	49
L–100e	TAXIWAY EDGE LIGHT, L–861T	EA	16
L–100p	HANDHOLE, L–867, SIZE B	EA	7
L–101b	ROTATING BEACON, MEDIUM INTENSITY, L–801A	EA	1
L–107a	8–FOOT LIGHTED WIND CONE, IN PLACE	EA	1
L–108a	UNDERGROUND CABLE #8 AWG, COPPER, 5KV, FAA TYPE "C", L–824	LF	9300
L–108c	#6 BARE COPPER GROUND CONDUCTOR	LF	9900
L–108e	UNDERGROUND CABLE #8 AWG, COPPER, 600V, FAA TYPE "C", L–824	LF	1300
L–108g	GROUND ROD	EA	10
L–109c	ELECTRICAL ENCLOSURE AND FOUNDATION IN PLACE	EA	1
L–109d	INSTALLATION OF ELECTRICAL EQUIPMENT IN NEW OR EXISTING STRUCTURE	EA	1
L–110g	2–INCH PE CONDUIT	LF	10000
L–110y	4–INCH RIGID STEEL CONDUIT	LF	1600
P–151c	CLEARING AND GRUBBING	ACRE	5
P–152a(1)	COMMON EXCAVATION	CY	120
P–154a	SUBBASE COURSE	CY	120
P–157a	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
P–157b	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CS	ALL REQ'D
P–157e	EROSION, SEDIMENT, AND POLLUTION CONTROL PRICE ADJUSTMENT	CS	ALL REQ'D
P–157f	SWPPP MANAGER	LS	ALL REQ'D
P–660b	REFLECTIVE MARKER, TYPE II	EA	20
P–660c	CONE, 18 INCH	EA	65
S–142p	EQUIPMENT STORAGE BUILDING	LS	ALL REQ'D
S–143a	HEATING FUEL TANK (1000 GALLONS)	EA	1
S–143b	FUEL	LS	ALL REQ'D
S–143c	MANUAL DISPENSING SYSTEM	EA	1
S–143e	MOTOR VEHICLE FUEL–DISPENSING TANK (1000 GALLONS)	EA	1
S–143f	SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN	LS	ALL REQ'D
T–901b	SEEDING	LB	250
T–908n	HYDRAULIC EROSION CONTROL PRODUCT (HECP)	SY	24200

No.	ITEM	UNIT	QUANTITY

ESTIMATING FACTORS

No.	ITEM	FACTOR

Designed By: DESIGNER
Drawn By: DRAFTER
Checked By: CHECKER

Date Revised:
Layout Name: Estimated Quantities
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Cover Sheet.dwg 12/15/2010, 10:23 AM

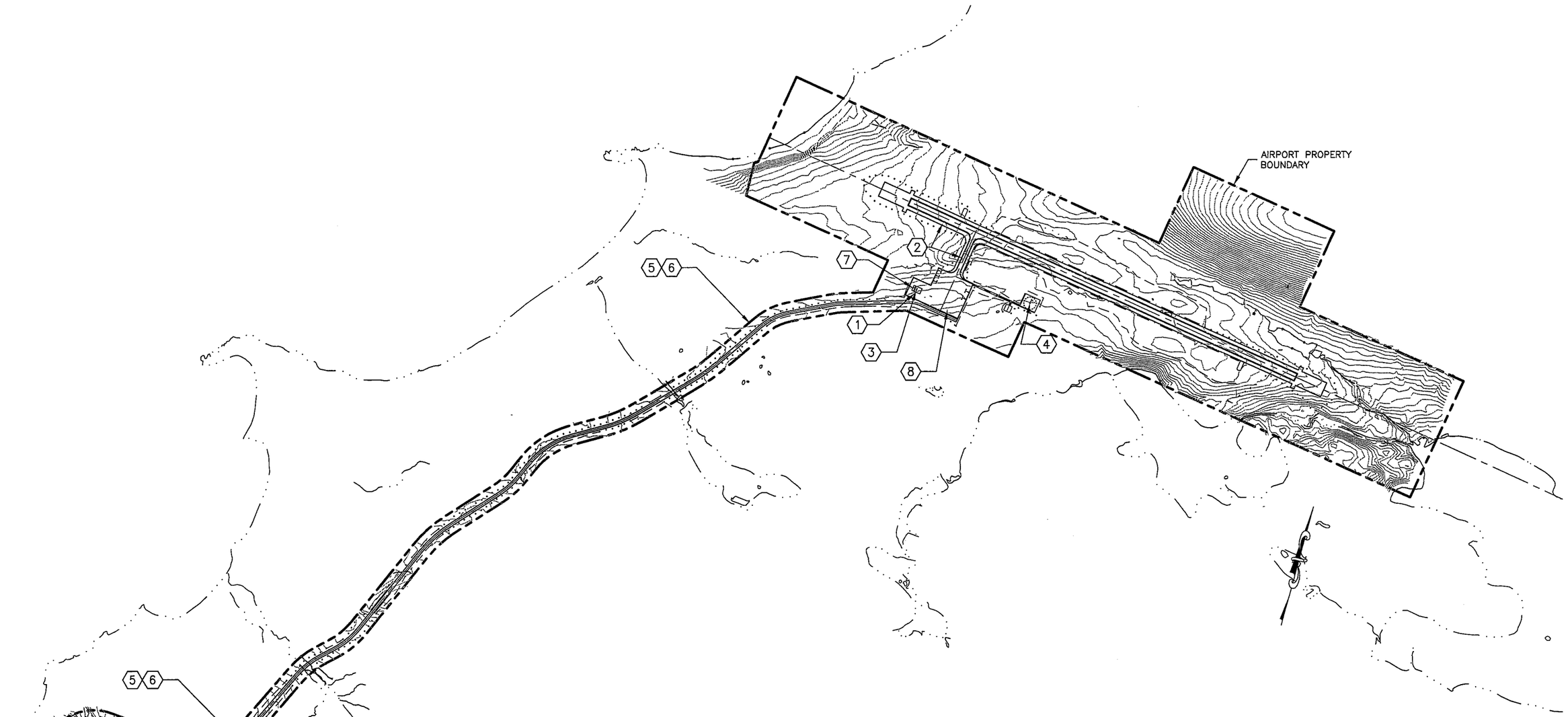
STATE OF ALASKA
49TH
GARY E. LINCOLN
CE-9790
REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3–02–0480–002–2011
ESTIMATED QUANTITIES

DATE: 10/27/10
SHEET: 3 OF 10
AS–BUILT SHEET:



Data Revised:	12/15/2010, 10:15 AM
Layout Name:	Project Layout Plan
File Path and Name:	W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Project Layout Plan.dwg

Designed By:	###
Drawn By:	###
Checked By:	##

⬡ PROJECT WORK ITEMS

1. CONSTRUCT 44' x 50' SNOW REMOVAL EQUIPMENT BUILDING
2. INSTALL MEDIUM INTENSITY RUNWAY/TAXIWAY LIGHTING SYSTEM
3. INSTALL ROTATING BEACON ON THE SRE BUILDING
4. INSTALL LIGHTING FOR SEGMENTED CIRCLE WITH LIGHTED WIND CONE
5. CLEAR AND GRUB UTILITY CORRIDOR FOR POWER LINE EXTENSION. THE POWER LINE EXTENSION WILL BE CONSTRUCTED BY THE ALASKA ENERGY AUTHORITY.
6. SPREAD SEED, FERTILIZER, AND HECP OVER DISTURBED AREAS OF COMPLETED POWER LINE EXTENSION.
7. INSTALL FUEL TANKS AND ELECTRICAL ENCLOSURE BUILDING
8. STAGING AREA

STATE OF ALASKA 49TH GARY E. LINCOLN CE-9790 REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0460-002-2011
PROJECT LAYOUT PLAN

DATE: 11/5/2010
SHEET: 4 OF 10
AS-BUILT SHEET:

STATE	YEAR	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
ALASKA	~~2008~~ 2011	AIP No. ~~56957~~ 52637	~~3~~ 1	3

200 0 100 200 400 600 800 1000

U.S. SURVEY FEET

MATCH LINE SHEET 3

PI:10+079.87
Δ=30° 45' 01" Rt.
D=149° 14' 59"
T=55.00
L=107.34
R=200.00

PI:10+589.53
Δ=94° 12' 41" Rt.
D=85° 47' 19"
T=353.13
L=539.47
R=328.08

A PORTION OF BLOCK1, TRACT C, USS 4871

PT STA: 101+32.21

PC STA: 102+36.40

PC STA: 100+24.88

N1° 48' 49"E
104.19'

N28° 56' 13"W
24.88'

S83° 58' 30"E
568.85'

PT STA: 107+75.87

BOP STA: 100+00.00
N: 46451.6406
E: 19581.5209

FIFTH STREET

"F" STREET

THIRD STREET

TRACT 1
OUZINKIE AIRPORT

MARMOT BAY

LOT 6

LOT 7

PINEAPPLE COVE ROAD

LOT 13
USS 5691

LOT 12

LOT 8
USS 5691

LOT 11
USS 5691

LOT 9
USS 5691

LOT 10
USS 5691

A PORTION OF BLOCK1, TRACT C, USS 4871

PI:12+660.52
Δ=21° 02' 05" Rt.
D=158° 57' 55"
T=121.82
L=240.89
R=656.17

PI:14+088.73
Δ=18° 23' 44"Rt.
D=161° 36' 16"
T=159.37
L=316.01
R=984.25

PI:15+234.76
Δ=36° 32' 04" Rt.
D=143° 27' 56"
T=216.59
L=416.40
R=656.17

PI:15+835.70
Δ=15° 39' 53" Lt.
D=164° 20' 07"
T=135.39
L=269.09
R=984.25

PI:11+689.60
Δ=70° 02' 44" Lt.
D=109° 57' 16"
T=344.88
L=601.63
R=492.13

PC STA: 113+44.72

PT STA: 119+46.36

N25° 58' 46"E
592.34'

PC STA: 125+38.70

N47° 00' 51"E
112.11'

PT STA: 127+79.60

PC STA: 128+91.70

PT STA: 131+59.05

PINEAPPLE COVE TRAIL

N23° 40' 11"E
770.30'

PC STA: 139+29.36

PT STA: 142+45.36

N42° 03' 55"E
449.96'

PI:13+027.26
Δ=23° 20' 40"Lt.
D=156° 39' 20"
T=135.55
L=267.35
R=656.17

PI:14+803.61
Δ=18° 44' 31"Lt.
D=161° 15' 29"
T=108.29
L=214.64
R=656.17

PC STA: 146+96.32

PT STA: 149+09.96

PC STA: 150+18.17

N23° 19' 24"E
108.21'

PT STA: 154+36.57

PC STA: 157+00.31

N59° 51' 28"E
263.73'

PT STA: 159+69.40

N44° 11' 35"E
557.95'

PINEAPPLE COVE ROAD

MARMOT BAY

726S R2OW S.M.

703

HORIZONTAL CONTROL STATEMENT (Taken from 2008–13 Kodiak Recording District)

Coordinate System:
This project is located entirely within a U.S. Foot local surface grid developed by the Central Region Department of Transportation for this project. The local system is related to NAD83(CORS96) (Epoch2003.00) Alaska State Plane Zone 5 using transformation parameters provided below.

Basis of Coordinates:
The primary control for this survey was established using a Static GPS network, fully constrained within the NAD83(CORS96) (Epoch 2003.00) datum holding the NGS CORS Stations "KOD1 ARP" (PID: AF9549), as 57°37'03.68967" N, 152°11'36.26407" W, and "KODK ARP" (PID: AI5645) as 57°44'06.38242" N, 152°30'04.87704" W.

Basis of Bearings:
Local grid bearings are on the same bearing basis as Alaska State Plane Zone 5, established via GPS ties to NGS CORS stations "KOD1" and "KODK".

Translation Parameters:
Conversion from State Plane, Zone 5, NAD83 feet to Local feet:
1. Scale factor is 1
2. Translate resulting coordinates using −1,390,969.4159 N −1,912,141.0881 E

Conversion from Local feet to State Plane, Zone 5, NAD83 feet:
1. Translate Local coordinates using +1,390,969.4159 N +1,912,141.0881 E
2. Scale factor is 1

VERTICAL CONTROL STATEMENT (Taken from 2008–13 Kodiak Recording District)

Vertical Datum:
GPS derived orthometric heights in U.S. Survey Feet, that approximate NAVD88 (Highway System), holding elevations at "KODK CORS ARP" as 85.17' and "KOD1 CORS ARP" as 48.19'.

Methodology:
GEOID99AK separations were applied to solved ellipsoid heights at static GPS stations, then a +5.11 datum shift was applied based on results of an R&M Consultants 2001 survey that held highway system NAVD88 benchmarks throughout Alaska, as directed by the Central Region Department of Transportation. A resulting elevation of 97.65' at point 3: "DATUM POINT 2005" was held as the basis for differential leveling.

Tidal Reference:
To convert NAVD88 elevations to the previous MSL datum, subtract 3.00 feet. The previous MSL datum was originally established from Tidal Benchmark "BM–2".

NOTES

1) This Survey Control Sheet is based on Record of Survey # 2008–13, Kodiak Recording District, prepared for the Department by USKH. The only information added to this sheet is the Alignment and Station & Offset information.
2) All dimensions and coordinates shown are in U.S. Survey Feet.
3) Whether listed or not, ALL monuments or property markers, corners, or accessories, which will be disturbed or buried, shall be referenced or re–established in their original position (A.S. 19.10.260) and recorded (A.S. 34.65.040).
4) Project Centerline (BOP/PC/PT/EOP) points are monumented with DOT Aluminum Capped Rebar.

SYMBOL LEGEND

- Found Govt. Rect./U.S.S. Monument
- Found Primary Property Corner
- Found NGS Control Point
- Found NOS Tidal Benchmark
- Set 2 1/2" BC/Datum Point on 9/16" SS Rod
- GPS Misc. Static GPS Control Point
- CP Set Secondary Control Point
- TBM Set Secondary Benchmark
- Secondary Centerline Monument
- ### Point Number

Surveyor's Certificate

I hereby certify that I am properly Registered and Licensed to practice Land Surveying in the State of Alaska, and that this drawing represents a survey made by me or under my direct supervision, and that the monuments shown hereon actually exist as described, and that all dimensions and other details are correct to the extent shown hereon.

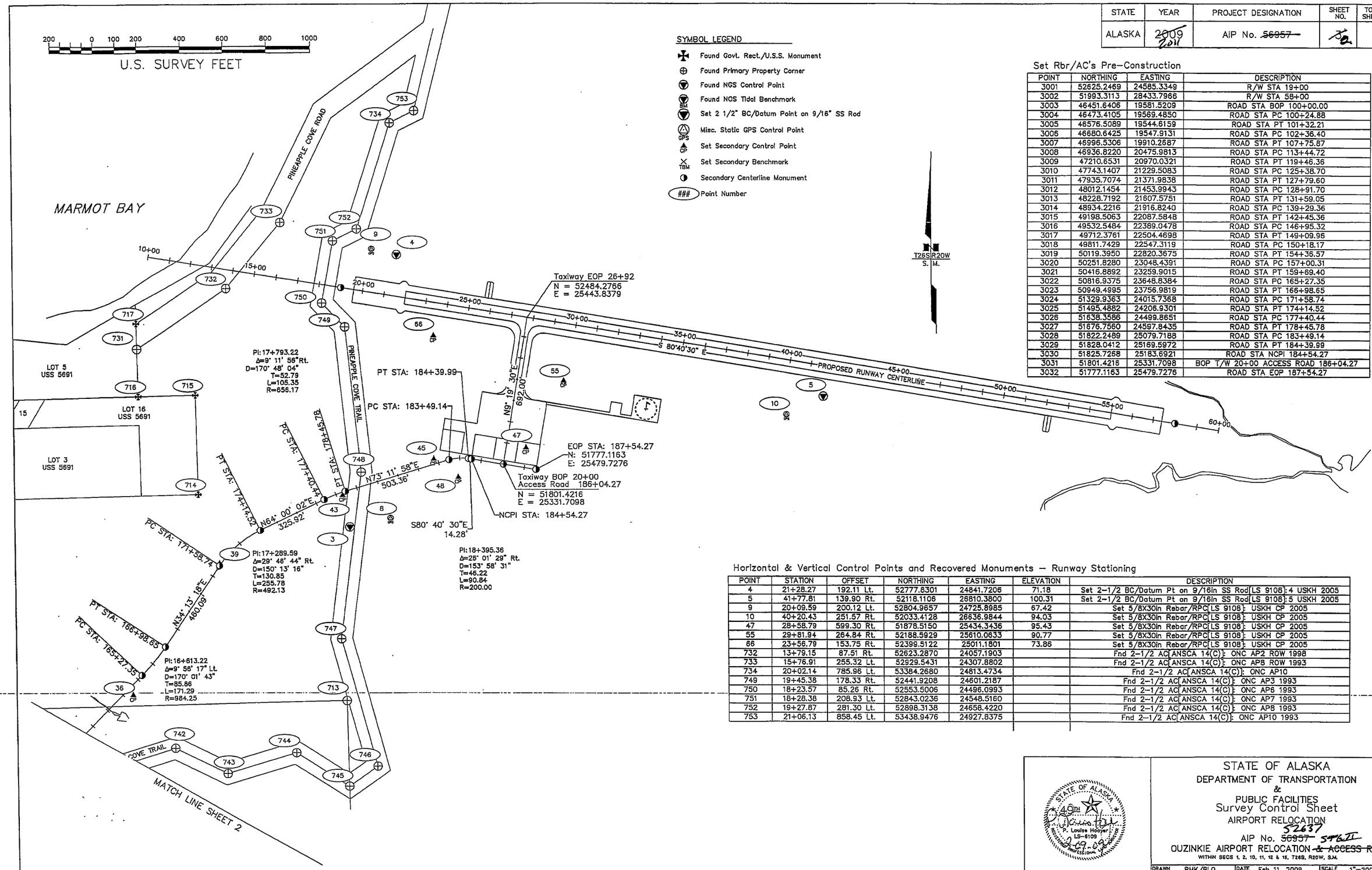
P. Louise Hooyer LS–6109 Date 2/09/2009

STATE OF ALASKA
49TH
P. LOUISE HOOYER
LS–8109
PROFESSIONAL LAND SURVEYOR
2-09-09

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
Survey Control Sheet
AIRPORT RELOCATION
52637
AIP No. ~~56957~~ ~~3 J 6 II~~
OUZINKIE AIRPORT RELOCATION ~~& ACCESS RD.~~
WITHIN SECS 1, 2, 10, 11, 12 & 15, T26S, R20W, S.M.

DRAWN	RMK/RLO	DATE	Feb 11, 2009	SCALE	1"=200'
CHECKED	PLH	DATE	Feb 11, 2009	SHEET	1 OF 3

STATE	YEAR	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
ALASKA	~~2009~~ 2011	AIP No. ~~56957~~	~~3~~ 2	3



Set Rbr/AC's Pre-Construction

POINT	NORTHING	EASTING	DESCRIPTION
3001	52625.2469	24585.3349	R/W STA 19+00
3002	51993.3113	28433.7966	R/W STA 58+00
3003	46451.6406	19581.5209	ROAD STA BOP 100+00.00
3004	46473.4105	19569.4850	ROAD STA PC 100+24.88
3005	46576.5089	19544.6159	ROAD STA PT 101+32.21
3006	46680.6425	19547.9131	ROAD STA PC 102+36.40
3007	46996.5306	19910.2687	ROAD STA PT 107+75.87
3008	46936.8220	20475.9813	ROAD STA PC 113+44.72
3009	47210.6531	20970.0321	ROAD STA PT 119+46.36
3010	47743.1407	21229.5083	ROAD STA PC 125+38.70
3011	47935.7074	21371.9838	ROAD STA PT 127+79.60
3012	48012.1454	21453.9943	ROAD STA PC 128+91.70
3013	48228.7192	21607.5751	ROAD STA PT 131+59.05
3014	48934.2216	21916.8240	ROAD STA PC 139+29.36
3015	49198.5063	22087.5848	ROAD STA PT 142+45.36
3016	49532.5484	22389.0478	ROAD STA PC 146+95.32
3017	49712.3761	22504.4698	ROAD STA PT 149+09.96
3018	49811.7429	22547.3119	ROAD STA PC 150+18.17
3019	50119.3950	22820.3675	ROAD STA PT 154+36.57
3020	50251.8280	23048.4391	ROAD STA PC 157+00.31
3021	50416.8892	23259.9015	ROAD STA PT 159+69.40
3022	50816.9375	23648.8384	ROAD STA PC 165+27.35
3023	50949.4995	23756.9819	ROAD STA PT 166+98.65
3024	51329.9363	24015.7368	ROAD STA PC 171+58.74
3025	51495.4882	24206.9301	ROAD STA PT 174+14.52
3026	51638.3586	24499.8651	ROAD STA PC 177+40.44
3027	51676.7560	24597.8435	ROAD STA PT 178+45.78
3028	51822.2489	25079.7188	ROAD STA PC 183+49.14
3029	51828.0412	25169.5972	ROAD STA PT 184+39.99
3030	51825.7268	25183.6921	ROAD STA NCPI 184+54.27
3031	51801.4216	25331.7098	BOP T/W 20+00 ACCESS ROAD 186+04.27
3032	51777.1163	25479.7276	ROAD STA EOP 187+54.27

Horizontal & Vertical Control Points and Recovered Monuments – Runway Stationing

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
4	21+28.27	192.11 Lt.	52777.8301	24841.7206	71.18	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:4 USKH 2005
5	41+77.81	139.90 Rt.	52118.1106	25810.3800	100.31	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:5 USKH 2005
9	20+09.59	200.12 Lt.	52804.9657	24725.8985	67.42	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
10	40+20.43	251.57 Rt.	52033.4128	26636.9844	94.03	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
47	28+58.79	599.30 Rt.	51878.5150	25434.3436	95.43	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
55	29+81.94	264.84 Rt.	52188.5929	25610.0633	90.77	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
66	23+56.79	153.75 Rt.	52399.5122	25011.1801	73.86	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
732	13+79.15	87.51 Rt.	52623.2870	24057.1903		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP2 ROW 1998
733	15+76.91	255.32 Lt.	52929.5431	24307.8802		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP8 ROW 1993
734	20+02.14	785.96 Lt.	53384.2680	24813.4734		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP10
749	19+45.38	178.33 Rt.	52441.9208	24601.2187		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP3 1993
750	18+23.57	85.26 Rt.	52553.5006	24496.0993		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP6 1993
751	18+28.38	208.93 Lt.	52843.0236	24548.5160		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP7 1993
752	19+27.87	281.30 Lt.	52898.3138	24658.4220		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP8 1993
753	21+06.13	858.45 Lt.	53438.9476	24927.8375		Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP10 1993

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
Survey Control Sheet
AIRPORT RELOCATION
52637
AIP No. ~~56957~~ 57621
OUZINKIE AIRPORT RELOCATION ~~& ACCESS RD.~~
WITHIN SECS 1, 2, 10, 11, 12 & 15, T26S, R20W, S.M.

P. Louise Hooper LS-9109 Professional Land Surveyor 2-19-09

DRAWN	RMK/RLQ	DATE Feb 11, 2009	SCALE 1"=200'
CHECKED	PLH	DATE Feb 11, 2009	SHEET 2 OF 3

STATE	YEAR	PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
ALASKA	2009 2011	AIP No. ~~56957~~ 52637	3	3

Horizontal Control Points – Road Stationing

POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	126+59.11	157.10 Lt.	47939.3866	21165.5653	63.54	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:1 USKH 2005
2	157+92.97	239.60 Rt.	50107.0895	23265.5254	111.92	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:2 USKH 2005
3	178+05.98	164.59 Rt.	51509.7107	24617.1513	97.65	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:3 USKH 2005
4	183+57.02	984.59 Lt.	52777.8301	24841.7206	71.18	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:4 USKH 2005
5	N/A	N/A	52118.1106	26810.3800	100.31	Set 2-1/2 BC/Datum Pt on 9/16in SS Rod[LS 9108]:5 USKH 2005
6	108+99.96	2667.85 Rt.	44330.3967	19753.6539	9.13	Fnd 3-1/2 BC[USC&GS]: BM-2
7	157+26.48	84.51 Lt.	50337.1963	23026.5365	95.35	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
8	180+08.13	180.45 Rt.	51550.9357	24805.4212	95.40	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
9	182+94.47	1043.04 Lt.	52804.9657	24725.8985	67.42	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
10	N/A	N/A	52033.4128	26636.9844	94.03	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
11	103+17.56	137.43 Lt.	46798.4731	19428.3280	73.90	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
12	101+77.86	94.65 Lt.	46625.1266	19451.4607	78.77	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
14	111+04.15	21.82 Lt.	46983.7683	20239.0260	93.94	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
15	113+40.26	0.77 Lt.	46938.0599	20471.6260	107.26	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
17	118+78.73	6.87 Lt.	47155.9082	20930.6263	106.95	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
20	125+22.50	20.23 Lt.	47737.4413	21204.2286	73.65	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
21	127+81.21	15.91 Lt.	47948.4484	21362.3218	71.80	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
24	133+41.57	57.58 Lt.	48418.9962	21628.1178	111.81	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
26	138+30.96	3.76 Rt.	48842.5964	21880.7664	112.24	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
29	145+05.49	13.21 Lt.	49400.4686	22252.0540	115.16	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
30	151+48.86	17.08 Lt.	49935.5607	22596.5907	104.75	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
34	160+31.19	2.45 Rt.	50459.4858	23304.7324	103.28	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
36	164+32.39	34.18 Rt.	50725.0255	23607.1452	97.41	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
39	171+68.48	6.24 Lt.	51341.5461	24016.2025	109.54	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
43	178+28.39	13.95 Rt.	51658.2605	24585.6435	96.94	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
45	182+82.74	23.99 Lt.	51826.0266	25009.2189	101.06	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
47	186+93.06	92.71 Lt.	51878.5150	25434.3436	95.43	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
48	183+81.21	88.20 Rt.	51741.5261	25122.5729	93.03	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
55	N/A	N/A	52188.5929	25610.0633	90.77	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
66	183+74.95	579.09 Lt.	52399.5122	25011.1801	73.86	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
122	177+16.05	1326.07 Lt.	52819.5393	23896.6438	1.01	Set Mag Nail: USKH CP 2005
301	116+67.98	3504.49 Rt.	44022.5681	22622.3946	44.58	Fnd 5/8X30in Rebar/2 AC[LS 9108]: USKH CP 2000
302	106+18.42	30.29 Rt.	46947.3883	19766.8287	48.63	Fnd 5/8X30in Rebar/2 AC[LS 9108]: USKH CP 2000
303	127+26.63	271.63 Rt.	47714.9463	21535.3606	69.20	Fnd 5/8X30in Rebar/2 AC[LS 9108]: USKH CP 2000
304	130+61.55	2522.80 Rt.	46798.9194	23697.1098	83.41	Fnd 5/8X30in Rebar/2 AC[LS 9108]: USKH CP 2000
305	113+83.79	1010.42 Rt.	45924.1801	20488.9116	42.00	Fnd 5/8X30in Rebar/2 AC[LS 9108]: USKH CP 2000
402	127+13.69	134.06 Rt.	47800.0236	21426.8835	68.31	Fnd 3/4in Iron Pipe
439	126+79.80	310.45 Lt.	48054.8001	21060.7946	59.99	Set 5/8X30in Rebar/RPC[LS 9108]: USKH CP 2005
503	106+93.00	755.83 Lt.	47742.4132	19716.6069		Set Mag Nail: USKH CP 2005
506	137+93.80	1613.01 Lt.	49457.6316	20385.0820	15.73	Set Mag Nail: USKH CP 2005
507	125+22.73	759.65 Lt.	48061.5456	20539.6255		Set Mag Nail: USKH CP 2005
515	143+84.38	1227.74 Lt.	50124.2665	21269.2764		Set Mag Nail: USKH CP 2005
520	152+64.75	872.07 Lt.	50629.8293	22066.4968		Set Mag Nail: USKH CP 2005
521	151+92.41	1048.24 Lt.	50613.8428	21816.6675		Set Mag Nail: USKH CP 2005
551	139+93.45	2190.17 Lt.	50000.0000	20000.0000	21.94	Fnd 3-1/2 BC[NGS]: GARDEN 1967

Recovered Monuments – Road Stationing

POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
701	113+63.22	1308.70 Rt.	45629.5147	20406.0327	Fnd 2 CW[BLM]: S4871 TRC B16 L1 S4871 TRA
703	116+57.92	1906.01 Rt.	45358.6438	21742.6024	Fnd 3-1/4 BC[BLM]: S4871 TRC C3 1978 1967
705	123+66.81	869.31 Lt.	47969.4253	20372.7437	Fnd 3-1/4 BC[BLM]: S5691 L6 C2 L7 C1 TR C S4871 1992
707	134+64.49	1120.62 Lt.	48958.3525	20703.8462	Fnd 3-1/4 BC[BLM]: S5691 C5 L6 C8 L7 1992
708	N/A	N/A	46312.1482	19678.5549	Fnd 1.5 CW[BLM]: S4871 TRC B1
709	130+17.76	185.03 Rt.	47997.5147	21687.0846	Fnd 3-1/4 BC[BLM]: L9 S5691 C2 TRC S4871 1978 1987 1992
711	165+81.43	2230.44 Rt.	49392.1037	25367.6343	Fnd 3-1/4 BC[BLM]: C3 L9 S5691 1992
713	169+60.93	837.81 Rt.	50695.1921	24597.2430	Fnd 3-1/4 BC[BLM]: S5691 L11 C10 1971 1992
714	172+98.75	299.90 Lt.	51664.5053	23919.1010	Fnd 3-1/4 BC[BLM]: S5691 L4 C4 1971
715	174+23.69	697.55 Lt.	52126.4662	23909.3914	Fnd 3-1/4 BC[BLM]: S5691 L4 C5 1971
716	173+28.16	828.39 Lt.	52120.7556	23645.4725	Fnd 3-1/4 BC[BLM]: S5691 L5 C2 1992 L16 S5691 1971
717	173+87.64	1118.89 Lt.	52460.4422	23638.4689	Fnd 3-1/4 BC[BLM]: S5691 L5 C3 1971
718	124+18.33	769.10 Lt.	47971.8334	20485.3992	Fnd 3-1/4 BC[BLM]: S5691 L7 C2 L8 C1 TR C S4871 1992
719	125+96.69	772.86 Lt.	48192.6368	20595.0163	Fnd 3-1/4 BC[BLM]: S5691 C3 L7 C9 L8 1992
720	127+44.43	962.50 Lt.	48578.9837	20653.8985	Fnd 3-1/4 BC[BLM]: S5691 C4 L7 C8 L8 1992
721	134+85.15	1021.10 Lt.	48937.3161	20803.2925	Fnd 3-1/4 BC[BLM]: S5691 C5 L7 C7 L8 1992
722	138+17.60	1155.66 Lt.	49295.8238	20813.5184	Fnd 3-1/4 BC[BLM]: S5691 L12 C2 L11 C1 C6 L7 C6 L8 S5691 1992
723	140+68.93	1161.38 Lt.	49669.5622	20994.6146	Fnd 3-1/4 BC[BLM]: L12 C3 C15 L11 S5691 1992
724	141+89.11	1077.61 Lt.	49830.7852	21211.1816	Fnd 3-1/4 BC[BLM]: S5691 L12 C4 C14 L11 1992
725	143+59.87	1127.72 Lt.	50039.0630	21327.1073	Fnd 3-1/4 BC[BLM]: C5 L12 C13 L11 S5691 1992
726	145+94.83	1032.54 Lt.	50149.7178	21555.1828	Fnd 3-1/4 BC[BLM]: S5691 C6 L12 C12 L11 1992
727	153+17.81	783.24 Lt.	50646.2775	22214.7994	Fnd 3-1/4 BC[BLM]: C7 L12 C11 L11 S5691 1992
728	153+51.17	824.65 Lt.	50725.1996	22246.3537	Fnd 3-1/4 BC[ANSCA 14(C)]: AP2 ROW 1998
729	163+40.40	977.72 Lt.	51364.4451	22817.5015	Fnd 2-1/2 AC[ANSCA 14(C)]: ROW AP3 ONC 1993
730	168+46.34	1021.02 Lt.	51645.8359	22995.7938	Fnd 3-1/4 BC[ANCSA 14(C)]: ROW AP4 L3 S5691 1993
731	173+69.41	1014.62 Lt.	52341.2810	23640.9625	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC ROW AP1 L5 S5691 1993
732	177+53.24	1079.64 Lt.	52623.2870	24057.1903	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP2 ROW 1998
733	179+30.31	1283.13 Lt.	52929.5431	24307.8802	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP8 ROW 1993
734	183+70.93	1583.21 Lt.	53384.2680	24813.4734	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP10
735	127+13.30	150.58 Lt.	47987.3751	21212.5957	Fnd 3-1/4 BC[BLM]: S5691 C2 L8 C1 L9 TRC S4871 1992
737	139+29.23	15.25 Rt.	48927.9829	21930.7398	Fnd 3-1/4 AC[BLM]: C4 L8 C5 L9 S5691 1992
738	144+30.56	15.91 Rt.	49325.3370	22223.4737	Fnd 3-1/4 BC[BLM]: C2 L11 C1 L10 C4 L9 C5 L8 S5691 1992
739	149+06.40	1.59 Rt.	49708.4754	22504.5095	Fnd 3-1/4 AC[BLM]: C3 L11 C9 L10 S5691 1992
740	151+81.62	46.99 Lt.	49980.9373	22592.7250	Fnd 3-1/4 AC[BLM]: C4 L11 C8 L10 S5691 1992
741	156+05.59	8.89 Lt.	50211.9584	22962.0666	Fnd 3-1/4 BC[BLM]: C5 L11 C5 L10 S 5691 1992
742	163+88.37	345.60 Rt.	50476.3779	23799.7427	Fnd 3-1/4 AC[BLM]: C6 L11 C6 L10 S5691 1992
743	164+73.63	605.14 Rt.	50356.5860	24045.2674	Fnd 3-1/4 AC[BLM]: C7 L11 C5 L10 1992
744	166+59.21	781.86 Rt.	50452.0614	24362.5091	Fnd 3-1/4 BC[BLM]: C8 L11 C4 L10 1992
745	166+67.80	1070.41 Rt.	50295.0109	24605.1522	Fnd 3-1/4 BC[BLM]: C9 L11 C3 L10 1992
746	167+86.74	1125.56 Rt.	50389.3287	24737.2166	Fnd 2-1/2 AC[ANSCA 14(C)]: AP2 1993
747	175+20.81	620.85 Rt.	50984.0628	24574.6220	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP3 1993
748	179+41.29	64.16 Lt.	51765.7813	24670.7292	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP4 1993
749	180+70.18	731.53 Lt.	52441.9208	24601.2187	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP3 1993
750	180+01.80	868.73 Lt.	52553.5006	24496.0993	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP6 1993
751	181+35.66	1130.75 Lt.	52843.0236	24548.5160	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP7 1993
752	182+56.86	1151.91 Lt.	52898.3138	24658.4220	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP8 1993
753	183+84.38	1620.34 Lt.	53438.9476	24927.8375	Fnd 2-1/2 AC[ANSCA 14(C)]: ONC AP10 1993
802	144+03.52	12.73 Lt.	49324.4459	22184.0911	Fnd 3-1/4 BC[BLM]: WP S5691 L11 L8 1971 1992
803	137+99.97	1256.46 Lt.	49320.1443	20714.1174	Fnd 3-1/4 BC[BLM]: S5691 C3 L13 C13 L12 1992

Vertical Control Points – Road Stationing

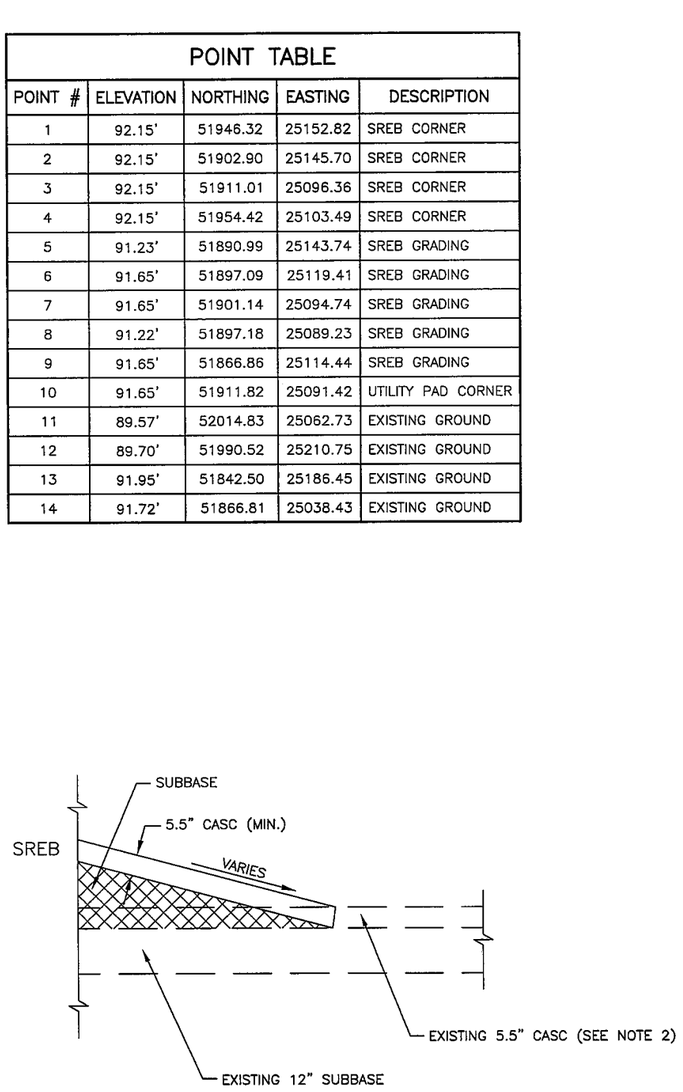
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
603	109+34	47 Lt.	47027	20072	69.41	TBM OU608: SET 12in SPIKE IN 18in CONIFER STA 12+62 47.5 LT
604	111+71	2 Rt.	48953	20303	98.16	TBM OU609A: FND SPIKE IN 24in SPRUCE STA 15+00 1.7 RT
605	116+52	13 Lt.	47010	20765	115.46	TBM OU609B: FND SPIKE IN 6in STUMP STA 19+80 12.6 LT
606	122+78	26 Lt.	47520	21092	94.95	TBM OU611A: SET 12in SPIKE IN 20in SPRUCE STA 26+06 19 LT
607	124+68	12 Lt.	47685	21188	80.61	TBM OU611B: SET 12in SPIKE IN 20in SPRUCE STA 27+97 12 LT
608	132+54	53 Lt.	48337	21597	97.00	TBM OU614A: SET 12in SPIKE IN 30in SPRUCE STA 35+82 53 LT
609	136+67	6 Rt.	48692	21817	111.73	TBM OU614B: SET 12in SPIKE IN 30in SPRUCE STA 39+96 6 RT
610	154+72	22 Rt.	50118	22862	103.66	TBM OU618: SET 12in SPIKE IN 20in SPRUCE STA 58+01 23 RT

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
Survey Control Sheet
AIRPORT RELOCATION
52637
AIP No. ~~56957~~
OUZINKIE AIRPORT RELOCATION & ACCESS RD.
WITHIN SECS 1, 2, 10, 11, 12 & 15, T28S, R20W, S.M.

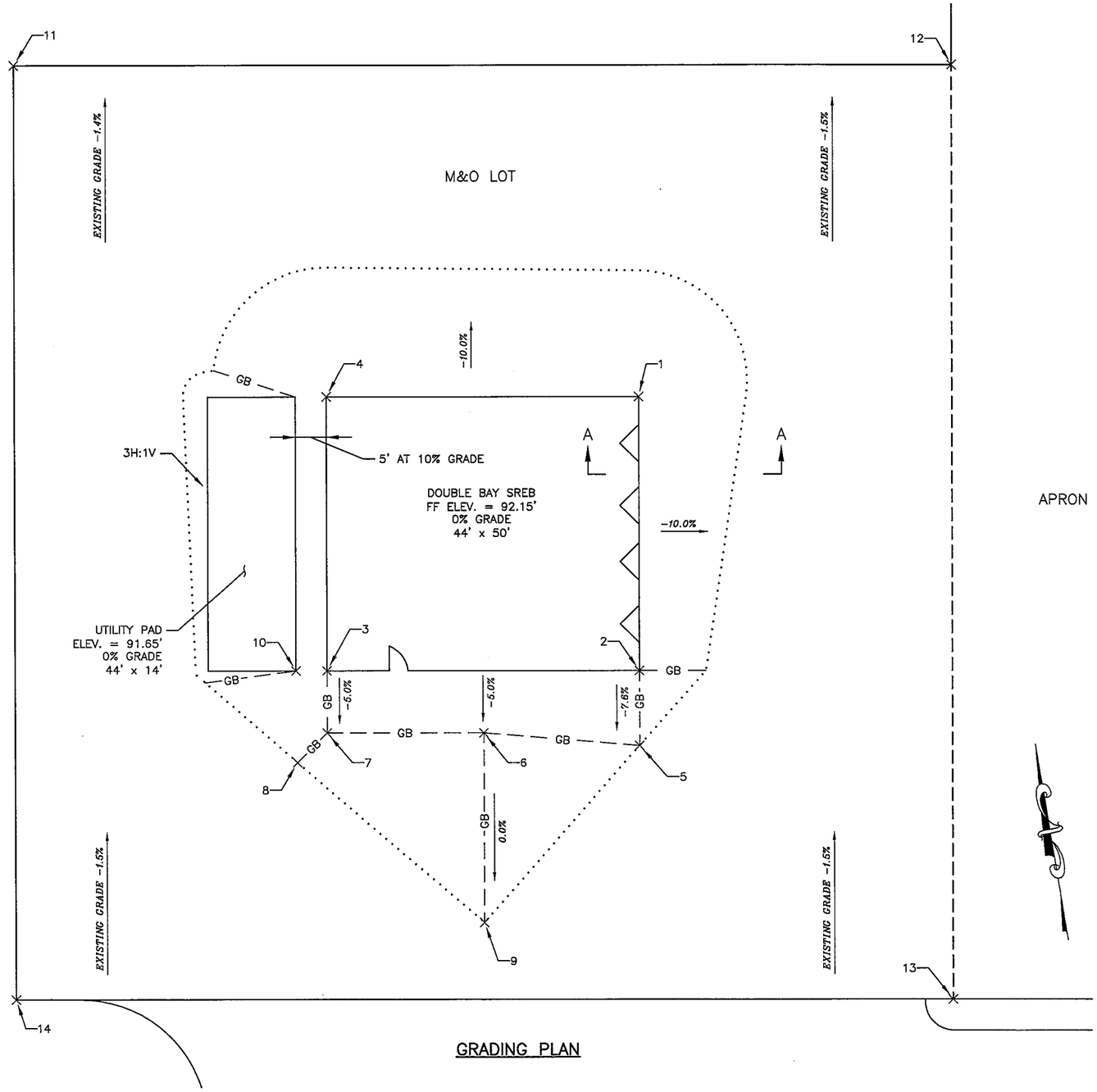
STATE OF ALASKA
L. LOUISE HOOVER
LS-8109
12-09-09
Expiration Date

DRAWN	RMK/RLQ	DATE Feb 11, 2009	SCALE N/A
CHECKED	PLH	DATE Feb 11, 2009	SHEET 3 OF 3

POINT TABLE				
POINT #	ELEVATION	NORTHING	EASTING	DESCRIPTION
1	92.15'	51946.32	25152.82	SREB CORNER
2	92.15'	51902.90	25145.70	SREB CORNER
3	92.15'	51911.01	25096.36	SREB CORNER
4	92.15'	51954.42	25103.49	SREB CORNER
5	91.23'	51890.99	25143.74	SREB GRADING
6	91.65'	51897.09	25119.41	SREB GRADING
7	91.65'	51901.14	25094.74	SREB GRADING
8	91.22'	51897.18	25089.23	SREB GRADING
9	91.65'	51866.86	25114.44	SREB GRADING
10	91.65'	51911.82	25091.42	UTILITY PAD CORNER
11	89.57'	52014.83	25062.73	EXISTING GROUND
12	89.70'	51990.52	25210.75	EXISTING GROUND
13	91.95'	51842.50	25186.45	EXISTING GROUND
14	91.72'	51866.81	25038.43	EXISTING GROUND



SECTION A–A (TYP.)
NTS



GRADING PLAN

NOTES:
1. REFER TO APPENDIX L SRE BUILDING FOR DETAILS.

2. EXCAVATE THE EXISTING CRUSHED AGGREGATE SURFACE COURSE (5.5") UNDER THE PROPOSED SREB AND GRADING AREA. REUSE THE EXCAVATED CASC FOR GRADING AROUND THE SREB AS SHOWN IN SECTION A–A. EXCAVATION AND PLACEMENT OF CASC IS PAID FOR UNDER PAY ITEM P–152a(1) COMMON EXCAVATION.

10' 5' 0 10' 20'

STATE OF ALASKA
49TH
GARY E. LINCOLN
CE-9790
REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

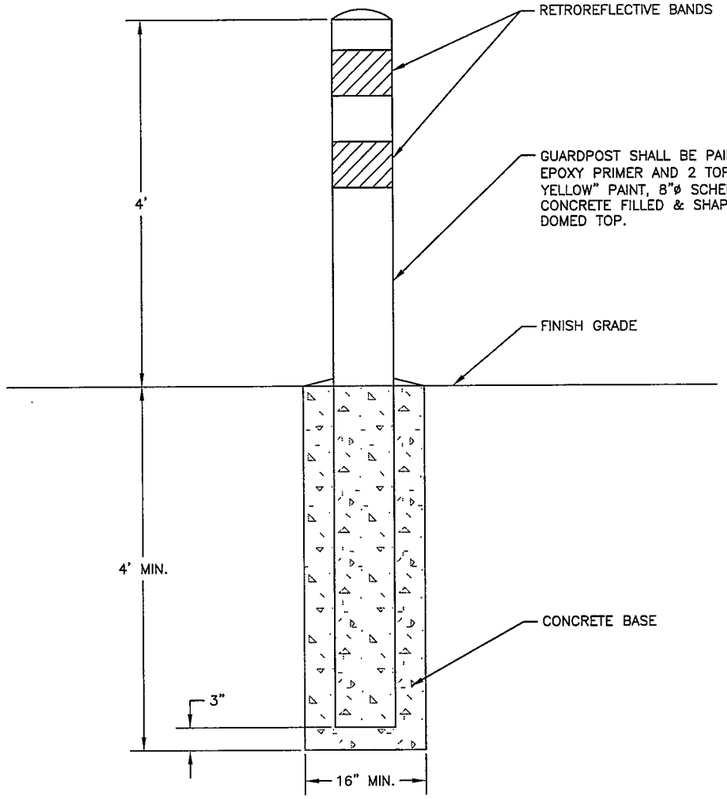
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SREB GRADING PLAN

DATE: 12/15/2010
SHEET: 8 OF 10
AS-BUILT SHEET:

Designed By: ###
Drawn By: ###
Checked By: ##

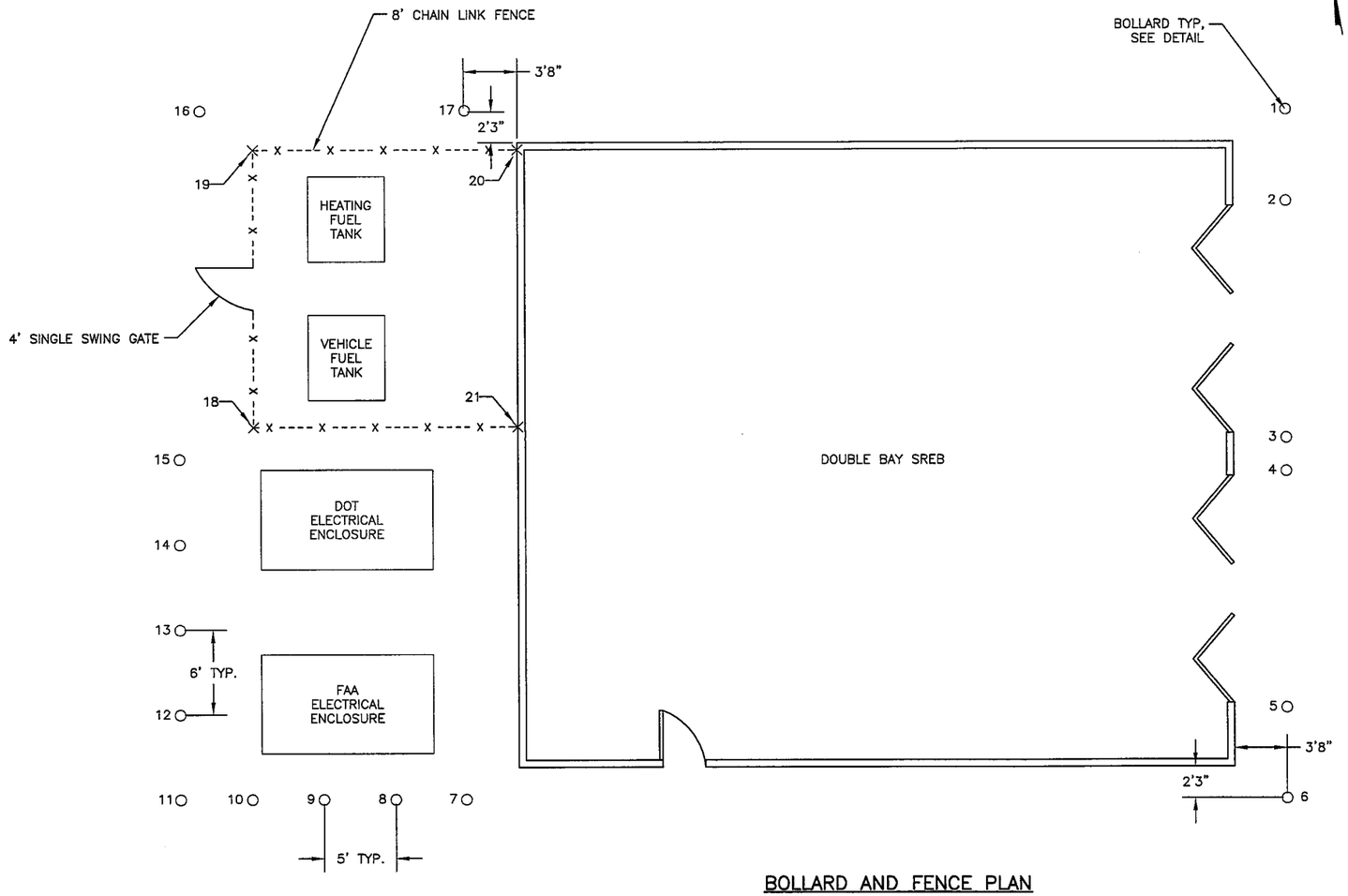
Data Revised: 12/15/2010, 10:35 AM
Layout Name: APRON & MO PAD
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Grading Plan.dwg



BOLLARD DETAIL
NTS

FENCE LOCATION TABLE		
POINT #	NORTHING	EASTING
18	51937.69	25081.99
19	51956.93	25085.15
20	51953.93	25103.40
21	51934.69	25100.24

BOLLARD LOCATION TABLE		
BOLLARD #	NORTHING	EASTING
1	51947.95	25156.81
2	51941.61	25155.77
3	51925.17	25153.07
4	51922.86	25152.69
5	51906.42	25149.99
6	51900.09	25148.95
7	51909.38	25092.37
8	51910.19	25087.44
9	51911.00	25082.51
10	51911.81	25077.57
11	51912.62	25072.64
12	51918.54	25073.61
13	51924.46	25074.58
14	51930.38	25075.55
15	51936.30	25076.53
16	51960.24	25081.97
17	51957.24	25100.23



BOLLARD AND FENCE PLAN

5' 2.5' 0' 5' 10'

STATE OF ALASKA
49TH
GARY E. LINCOLN
CE-9790
REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

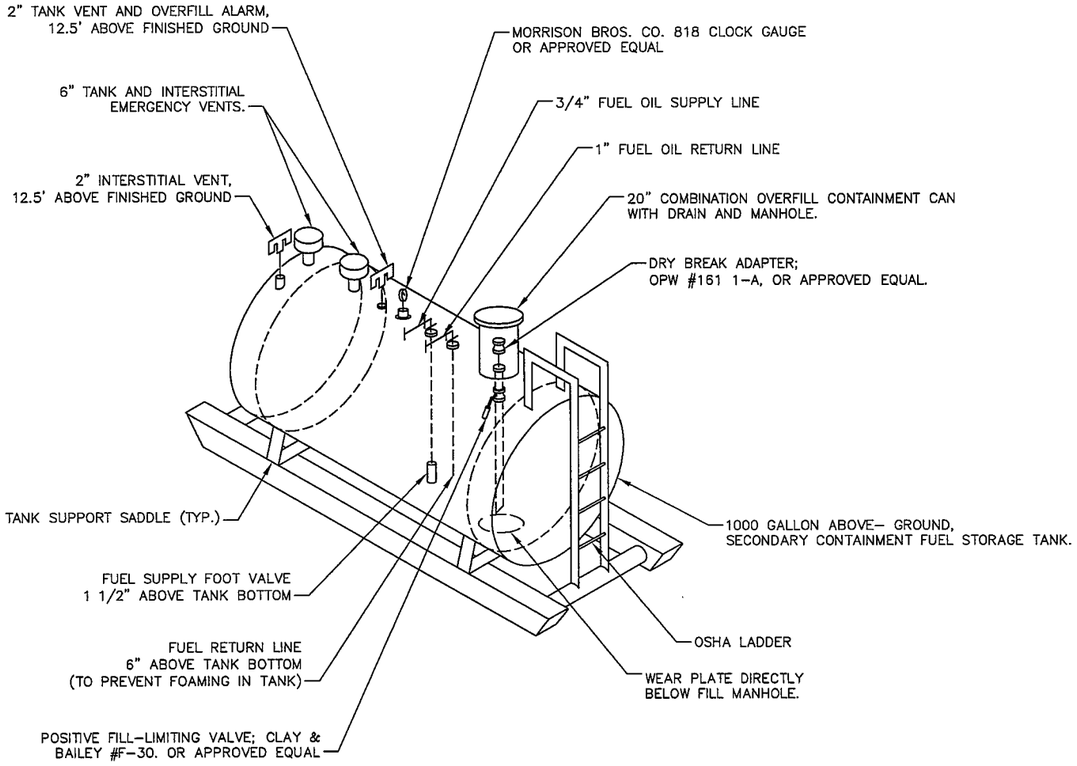
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
BOLLARD AND FENCE PLAN

DATE: 12/14/2010
SHEET: 9 OF 10
AS-BUILT SHEET:

Designed By: ###
Drawn By: ###
Checked By: ###

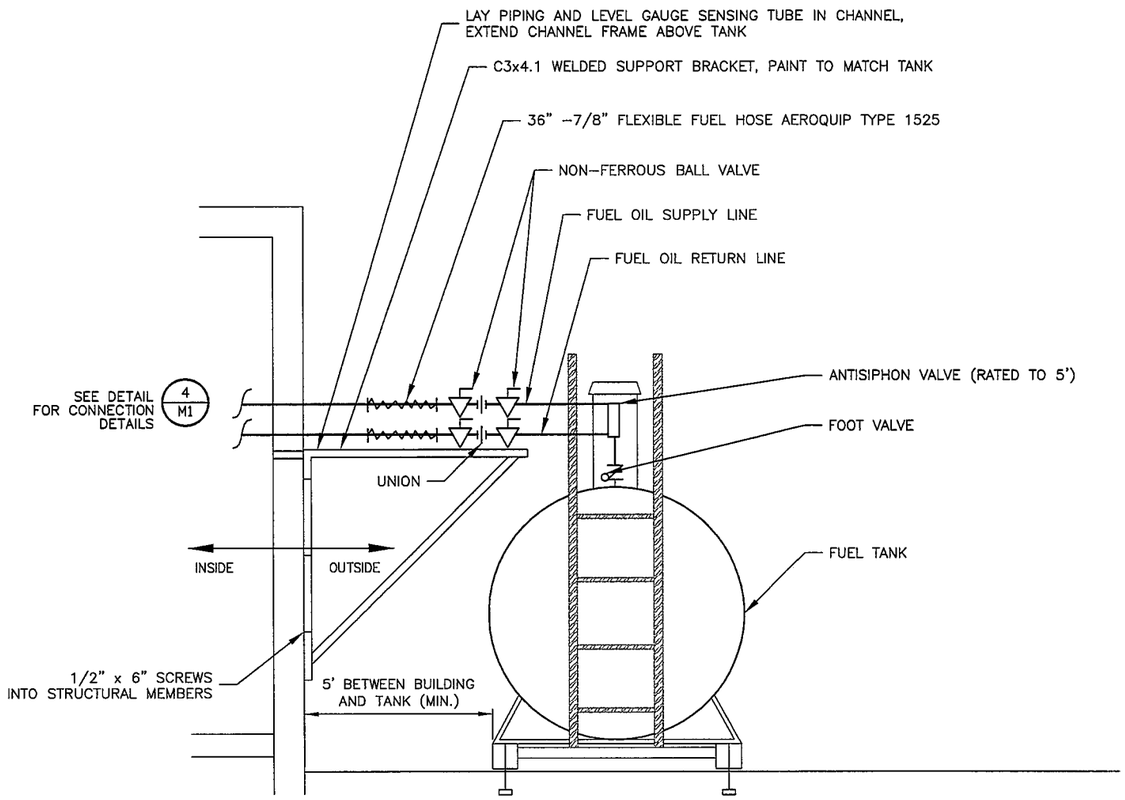
Date Revised: 12/14/2010, 8:56 AM
Layout Name: Bollard Plan
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Bollard Plan.dwg



FUEL TANK DETAIL
NTS

NOTES:

1. INSTALL TANK PER NFPA 30, 30A, & 31.
2. LABEL FUEL OIL FILL PIPE "FUEL OIL FILL".
3. PROVIDE LOCKING FILL CAP.



FUEL TANK PIPING AND UNIT HEATER FUEL OIL PIPE ONE-LINE DIAGRAM
NTS

NOTE:
INSTALL PIPE SUPPORTS SPACED MAX. 12' HORIZONTAL AND 15' VERTICAL PER IMC TABLE 305.4.

STATE OF ALASKA 49TH Michael J. Stolnoff ME-5959 REGISTERED PROFESSIONAL ENGINEER

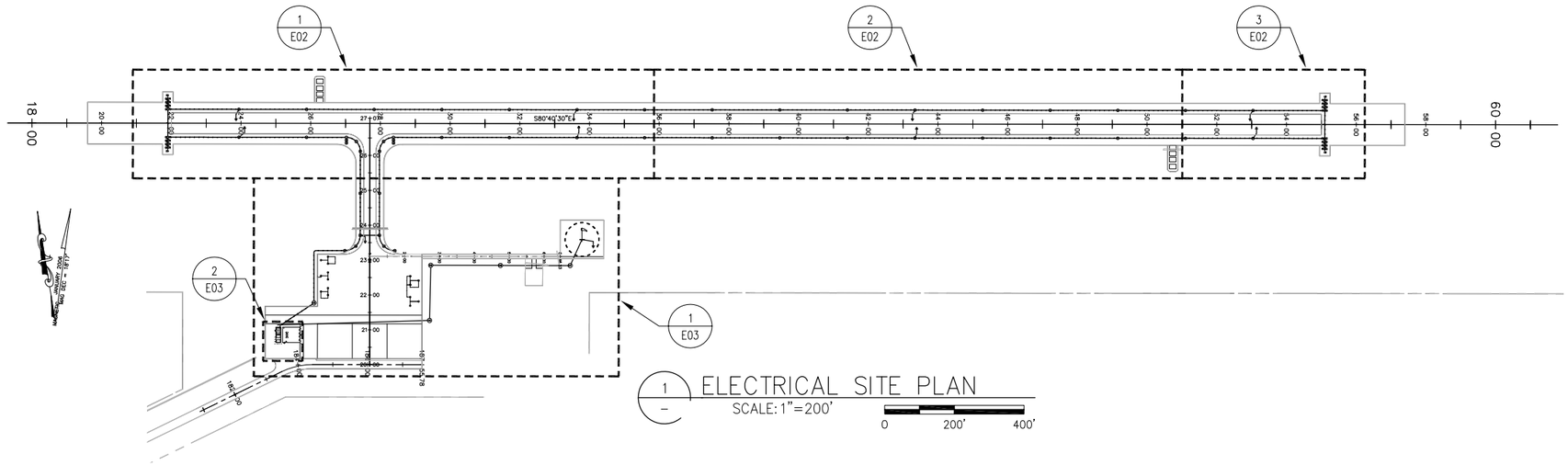
BY	DATE	REVISION

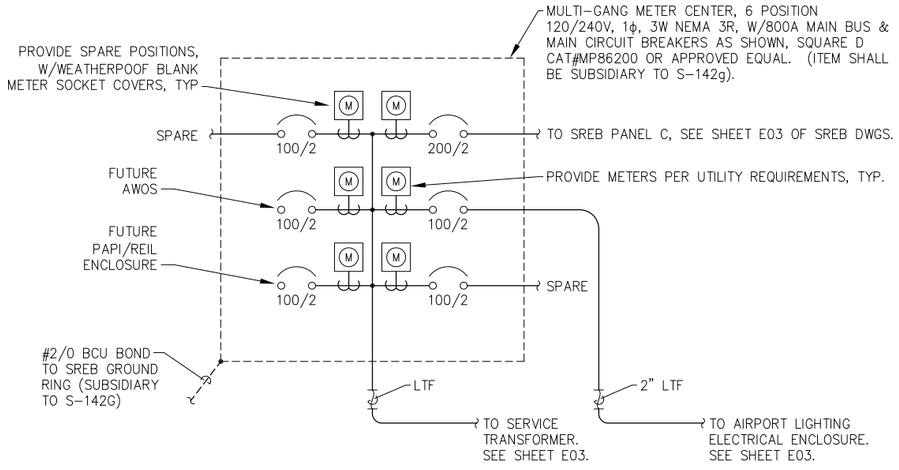
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
FUEL OIL PIPING & TANK DETAILS

DATE: 12/14/2010
SHEET: 10 OF 10
AS-BUILT SHEET:

Date Revised: 12/14/2010, 8:34 AM
Layout Name: Fuel Tank & Pipe Details
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Fuel Tank.dwg
Designed By: ##
Drawn By: ##
Checked By: ##





ABBREVIATIONS

A	AMPERE
AFF	ABOVE FINISH FLOOR
BCU	BARE COPPER
C	CONDUIT
CKT	CIRCUIT
CL	CENTERLINE
CP	CONTROL PANEL
CU	COPPER
EMT	ELECTRICAL METALLIC TUBING
FAA	FEDERAL AVIATION ADMINISTRATION
G	ELECTRICAL GROUND, GREEN
GFI	GROUND FAULT INTERRUPTING
GRC	GALVANIZED RIGID (STEEL) CONDUIT
H	HOT CONDUCTOR
HDPE	HIGH DENSITY POLYETHELENE CONDUIT
HOA	HAND OFF AUTO
kV	KILO-VOLT
kVA	KILO-VOLT-AMPERE
LT	LEFT
LTF	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
N	NEUTRAL (GROUNDED) CONDUCTOR
NIC	NOT IN CONTRACT
NLT	NOT LESS THAN
NO.	NUMBER
P	POLE
PAPI	PRECISION APPROACH PATH INDICATOR
R	RED, RADIUS
REIL	RUNWAY EDGE LIGHT IDENTIFICATION
R/W	RUNWAY
RT	RIGHT
SREB	SNOW REMOVAL EQUIPMENT BUILDING
SS	STAINLESS STEEL
STA	STATION
T/W	TAXIWAY
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WIRE, WATTS, WHITE
WP	WEATHERPROOF

LEGEND

- CONDUIT: UNLESS OTHERWISE NOTED, INTERIOR = EXPOSED GRC IN GENERAL. EXTERIOR = BURIED 2" HDPE WITH GRC RISERS UON. SEE DETAILS 5 & 6 SHEET E6. CONDUCTOR COUNT INDICATED EITHER BY NOTE OR A SLASH.
- "A" "X-Y,Z" — HOMERUN TO PANEL "X", CIRCUITS NO. "Y" AND "Z", OR OTHER DESTINATION AS NOTED. IF CONDUCTOR COUNT NOT NOTED OR SLASHED, PROVIDE 3/4"C, 3#12 (INTERIOR) AND 2"HDPE, ONE 5kV AIRPORT LIGHTING CABLE (EXTERIOR). ALL CONDUITS SHALL BE FURNISHED WITH SEPARATE EQUIPMENT GROUND CONDUCTOR UON.
- 3/4"x10' COPPER CLAD STEEL GROUND ROD
- CONDUIT RUN – CHANGE IN ELEVATION
- LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT
- (J) — JUNCTION BOX OR FITTING
- X/Y — MOLDED CASE CIRCUIT BREAKER, X = AMPERE RATING, Y = NO. OF POLES
- TRANSFORMER
- UE — UNDERGROUND ELECTRIC
- OHE — OVERHEAD ELECTRIC
- 2" HDPE W/ #8 5kV CABLES (NUMBER AS INDICATED BY SLASHES) AND ONE #6 BCU
- (M) — KILOWATT-HOUR METER
- (T) — THERMOSTAT
- $ — SINGLE POLE SWITCH (SPST), 120V, 20A
- 120V DUPLEX RECEPTACLE, NEMA CONFIGURATION 5 – 20R.
- LIGHTED WINDCONE FAA L-807
- THRESHOLD LIGHT
- TAXIWAY LIGHT
- RUNWAY LIGHT
- DISCONNECT SWITCH
- PANELBOARD
- (H#) — HANDHOLE, L-867, SIZE B

BY	DATE	REVISION

EDC, INC.
745 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

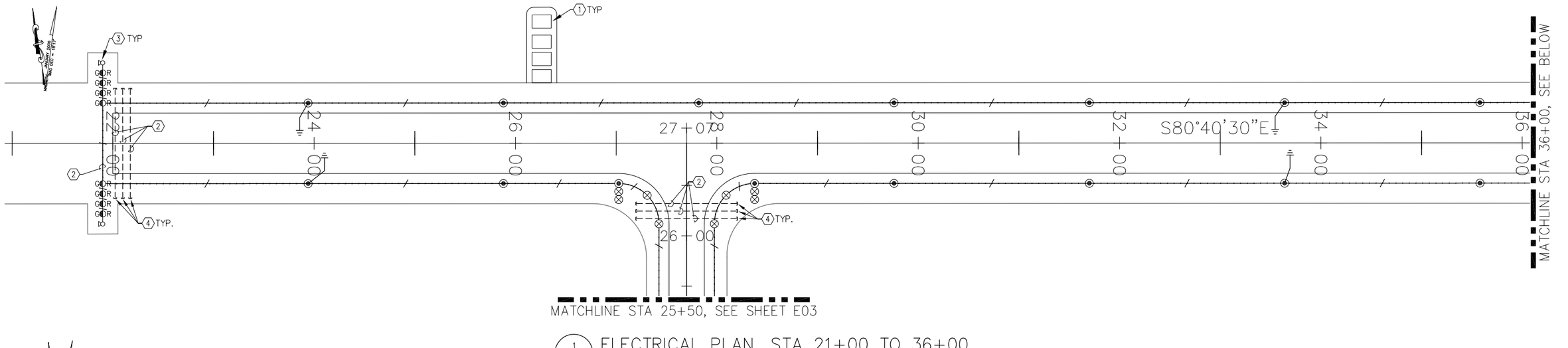
OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
LEGEND, ABBREVIATIONS, ELECTRICAL SITE PLAN & POWER ONE-LINE

DATE: 12/3/10
SHEET: E01 OF E09

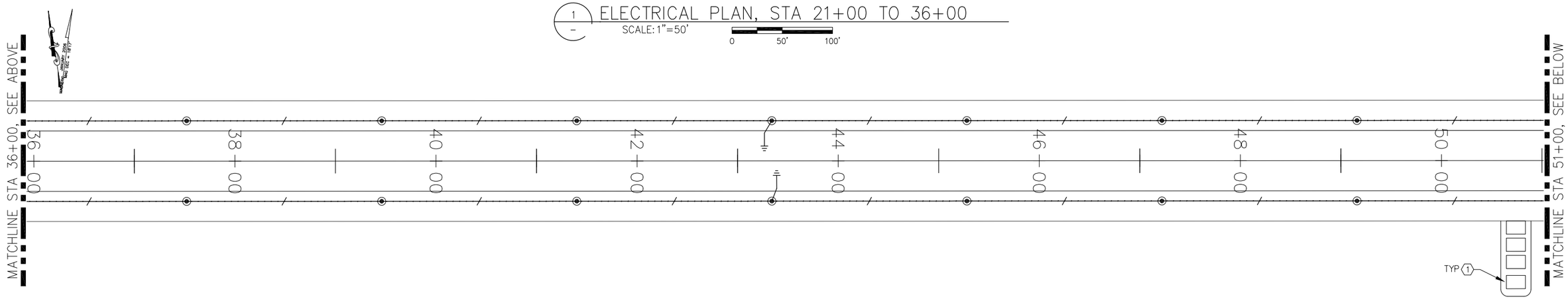
Designed By:
Drawn By:
Checked By:
Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/6/2010 9:37:34 AM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E01.dwg

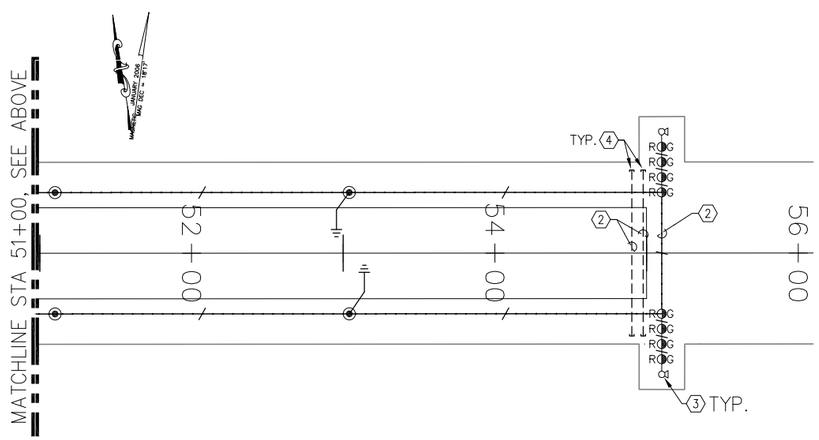
XX/XX/XX



1 ELECTRICAL PLAN, STA 21+00 TO 36+00
SCALE: 1"=50'
0 50' 100'



2 ELECTRICAL PLAN, STA 36+00 TO 51+00
SCALE: 1"=50'
0 50' 100'



3 ELECTRICAL PLAN, STA 51+00 TO 56+00
SCALE: 1"=50'
0 50' 100'

SHEET NOTES

1. FUTURE LOCATION OF PAPI EQUIPMENT (BY OTHERS).
2. 4" GRC TO SLEEVE HDPE.
3. FUTURE LOCATION OF REIL EQUIPMENT (BY OTHERS).
4. FUTURE PAPI/REIL CROSSINGS. STUB ENDS SHALL EXTEND 12 FT FROM RUNWAY EDGE. COMPLETELY CLEAN CONDUITS OF DEBRIS. CAP AND SEAL ENDS PRIOR TO BURIAL. PROVIDE PAINTED 2X4 STAKING AT GRADE FOR LOCATING CONDUIT STUB ENDS.

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 3:12:07 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E02.dwg

XX/XX/XX

BY	DATE	REVISION

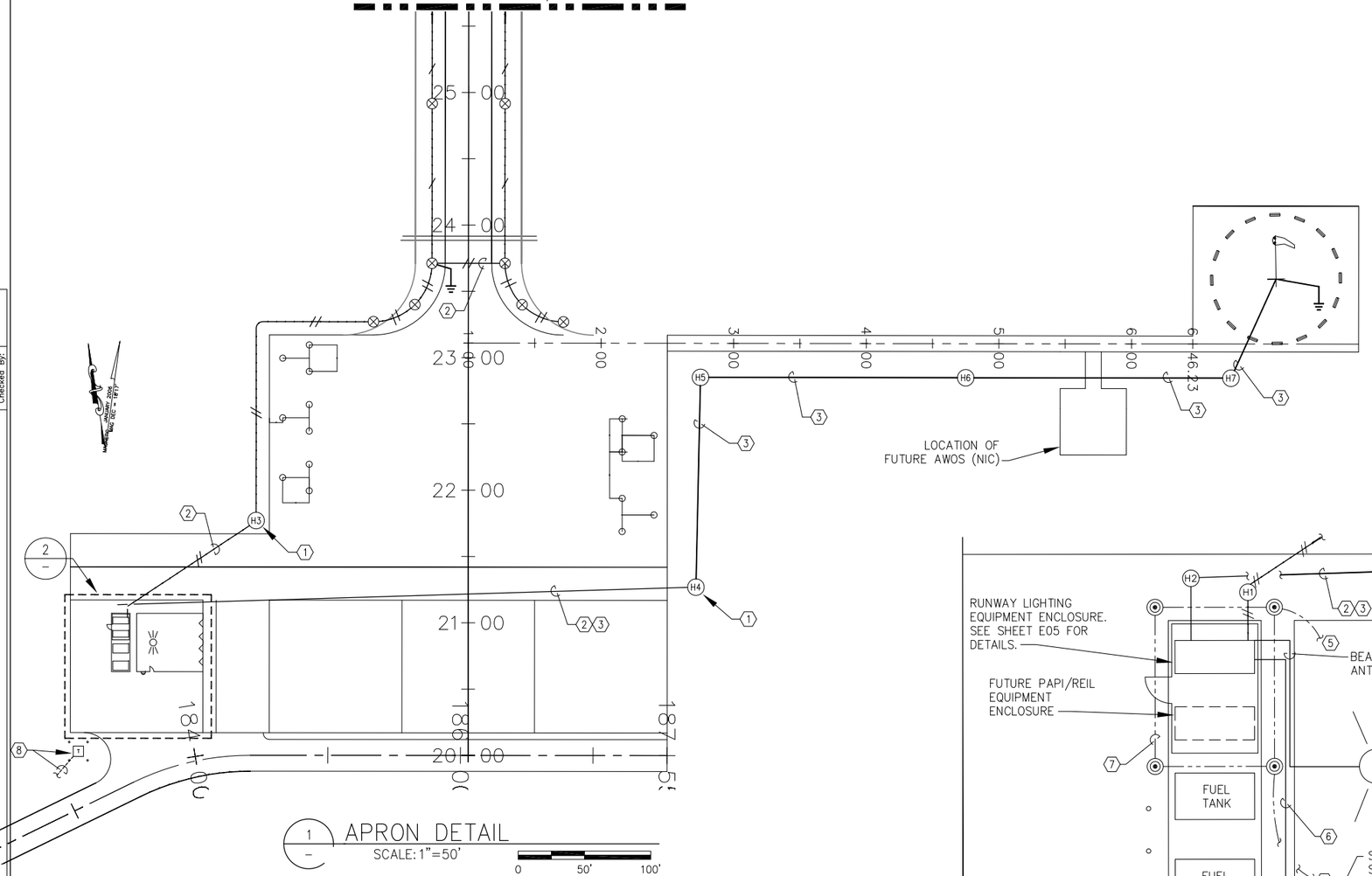
EDC, INC.
213 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

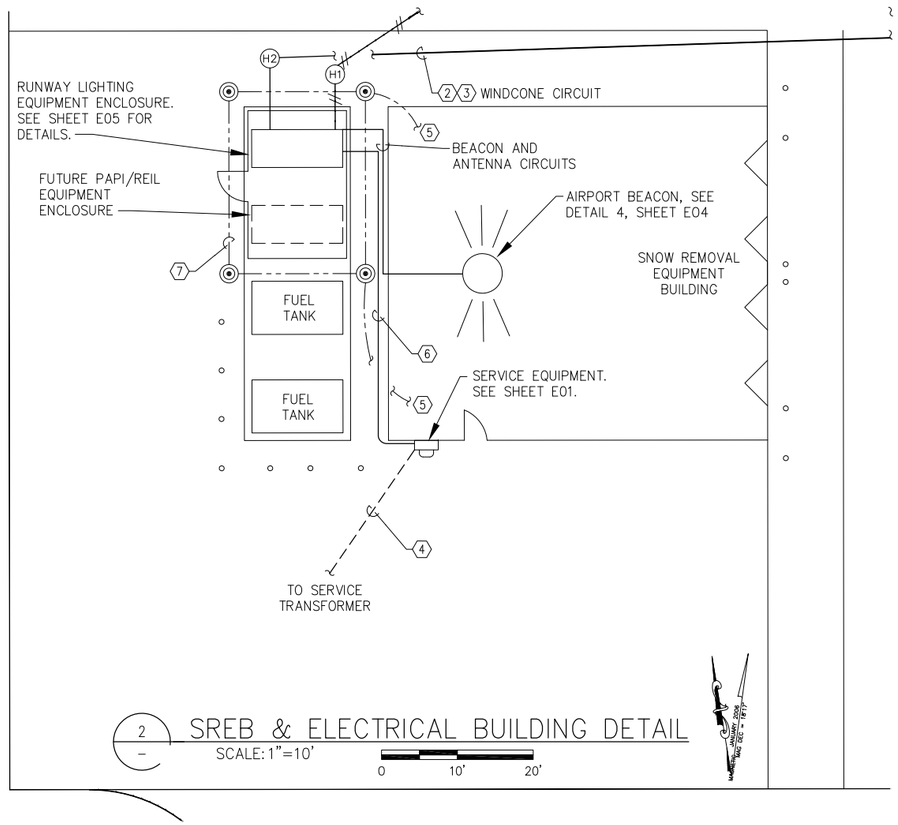
OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
PAPI–REIL & RUNWAY LIGHTING PLAN

DATE: 12/3/10
SHEET: E02 OF E09

MATCHLINE STA 25+50, SEE SHEET E02



1 APRON DETAIL
SCALE: 1"=50'
0 50' 100'



2 SREB & ELECTRICAL BUILDING DETAIL
SCALE: 1"=10'
0 10' 20'

SHEET NOTES

1. LIGHT BASE CAN W/ SOLID WATERTIGHT COVER. FILL CAN W/ HYDROPHOBIC MATERIAL, TYPICAL.
2. 4" GRC TO SLEEVE HDPE.
3. 2" HDPE W/ 4#8 (H, SWITCHLEG, N, G), 600V, XHHW.
4. PROVIDE 10' OF 4" GRC STUB-OUT FOR SERVICE CONNECTION. COORDINATE WITH UTILITY PROVIDER.
5. BOND TO SREB GROUNDING ELECTRODE SYSTEM (GES). COORDINATE CONNECTION WITH BUILDING CONSTRUCTION.
6. 2" HDPE W/ 3#2 (2H, N) & 1#6 (G), 600V, XHHW.
7. #4/0 BCU BURIED A MINIMUM OF 30" BELOW GRADE. BOND TO GROUND RODS AND TO GROUND RING AROUND SRE BUILDING USING THE EXOTHERMIC WELD METHOD.
8. SERVICE TRANSFORMER AND CABLING BY OTHERS. SEE AEA ELECTRICAL LAYOUT PLAN D, SHEET E004.

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:03:11 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E03.DWG

BY	DATE	REVISION

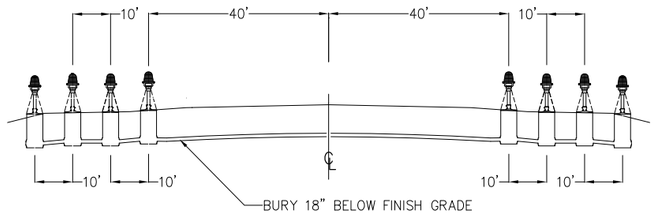
XX/XX/XX

EDC, INC.
745 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
PAPI-REIL & RUNWAY TAXIWAY-LIGHTING
PLANS AND APRON DETAIL

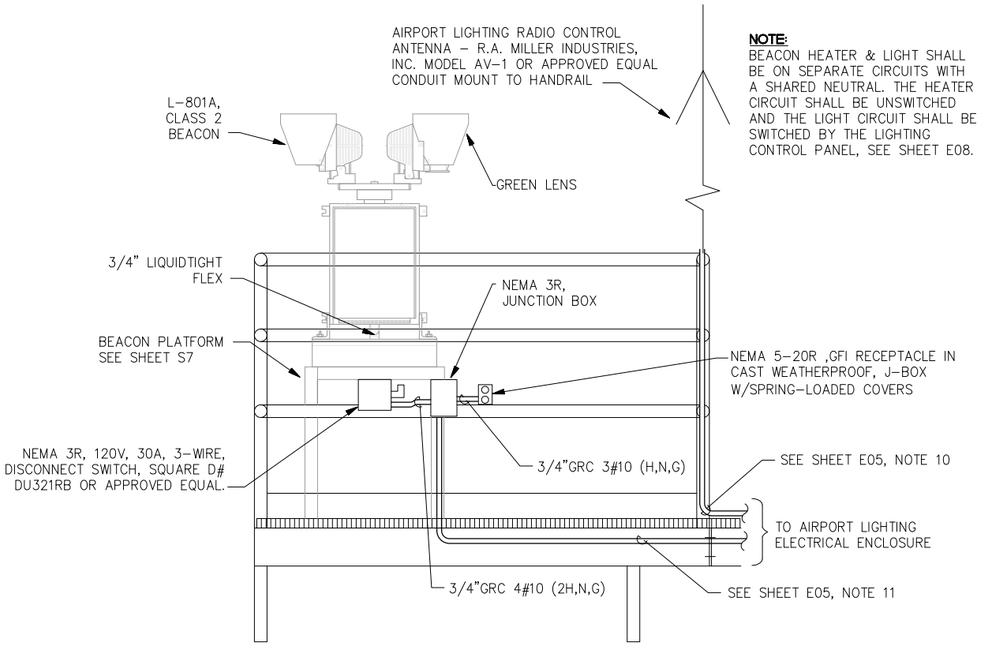
DATE: 12/3/10
SHEET: E03 OF E09



RUNWAY END LIGHTING SECTION
STA 55+10 & STA 21+90

1 / E2,E3 — SCALE: NTS

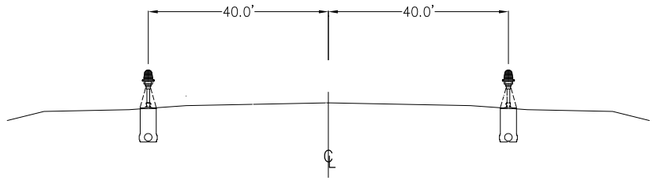
0 0' 0'



ROTATING BEACON DETAIL

4 / E3 — SCALE: NTS

0 0' 0'

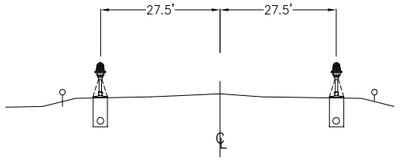


TYPICAL RUNWAY LIGHTING SECTION

2 / E2,E3 — SCALE: NTS

0 0' 0'

RUNWAY LIGHTING SUMMARY			
STATION	CL OFFSET	SHT.	REMARKS
23+94	40.0 LT & RT	E02	
25+88	40.0 LT & RT	E02	
27+02	40.0 RT ONLY	E02	
27+82	40.0 LT ONLY	E02	
28+38	40.0 RT ONLY	E02	
29+76	40.0 LT & RT	E02	
31+70	40.0 LT & RT	E02	
33+64	40.0 LT & RT	E02	
35+58	40.0 LT & RT	E02	
37+52	40.0 LT & RT	E02	
39+46	40.0 LT & RT	E02	
41+40	40.0 LT & RT	E02	
43+34	40.0 LT & RT	E02	
45+28	40.0 LT & RT	E02	
47+22	40.0 LT & RT	E02	
49+16	40.0 LT & RT	E02	
51+10	40.0 LT & RT	E03	
53+04	40.0 LT & RT	E03	
*NOTE: USE RUNWAY STATIONING			



TYPICAL TAXIWAY LIGHTING SECTION

3 / E2,E3 — SCALE: NTS

0 0' 0'

TAXIWAY LIGHTING SUMMARY			
STATION	CL OFFSET	SHT.	REMARKS
23+27	71.6 LT & RT	E03	
23+40	40.4 LT & RT	E03	
23+71	27.5 LT & RT	E03	
24+92	27.5 LT & RT	E03	
26+12	27.5 LT & RT	E02	
26+40	39.2 LT & RT	E02	
26+44	67.5 LT & RT	E02	
26+49	67.5 LT & RT	E02	
*NOTE: USE TAXIWAY STATIONING			

HANDHOLE SUMMARY				
NO.	STATION	CL OFFSET	SHT.	REMARKS
H1	21+11	257.0 LT	E03	
H2	21+13	209.0 LT	E03	
H3	21+77	155.0 LT	E03	
H4	21+27	158.0 RT	E03	
H5	21+85	158.0 RT	E03	
H6	21+85	358.0 RT	E03	
H7	21+85	558.0 RT	E03	

LIGHT (L) & CONE (C) SCHEDULE									
SYMBOLS		QUANTITY		LOCATION	LIGHT DETAILS			CONE DETAILS	
LIGHT	CONE	L	C		LIGHT COLOR	FAA NUMBER	WATTAGE	CONE COLOR	BAND COLOR
G◐R	*	16	16	R/W 3/21 THRESHOLD	180°GREEN/180°RED	L–861E	45	ORANGE	GREEN–RED
⊗	*	16	16	T/W–APRON	BLUE	L–861T	45	ORANGE	BLUE
⊙	*	33	33	RUNWAY	WHITE	L–861	30	ORANGE	WHITE
			61	TOTAL TYPE 2 CONES REQUIRED					
		61	61	TOTAL UNITS REQUIRED					
* 18" CONES WITH LIGHT INSTALLED THRU MIDDLE OF CONE									

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:04:50 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E04.dwg

BY	DATE	REVISION

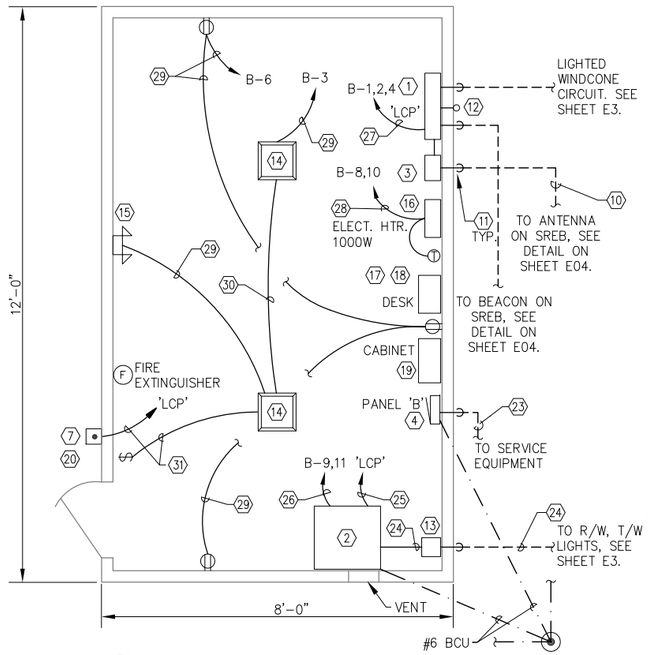
XX/XX/XX

EDC, INC.
213 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

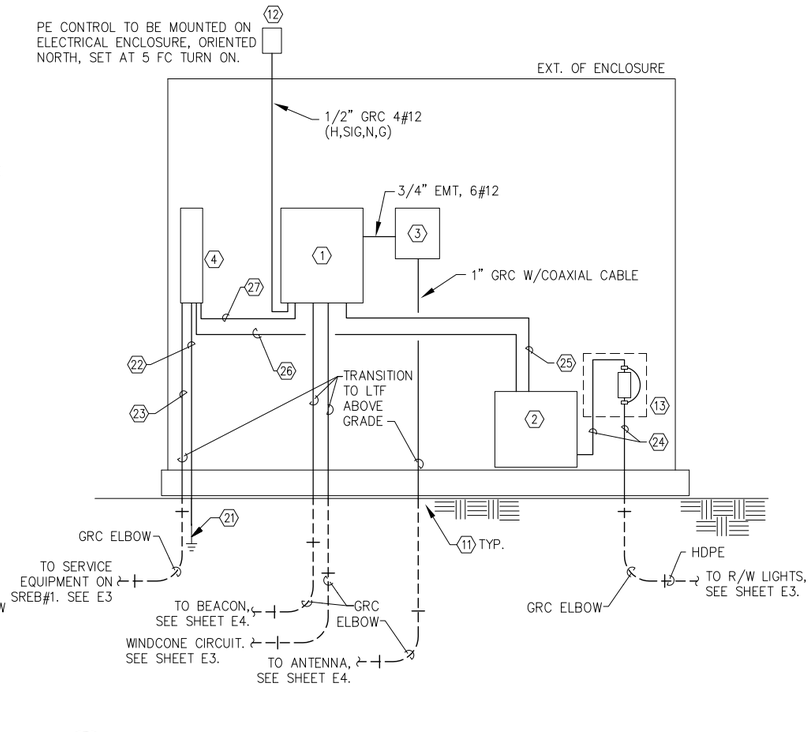
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
RUNWAY EDGE LIGHTING SECTIONS AND DETAILS

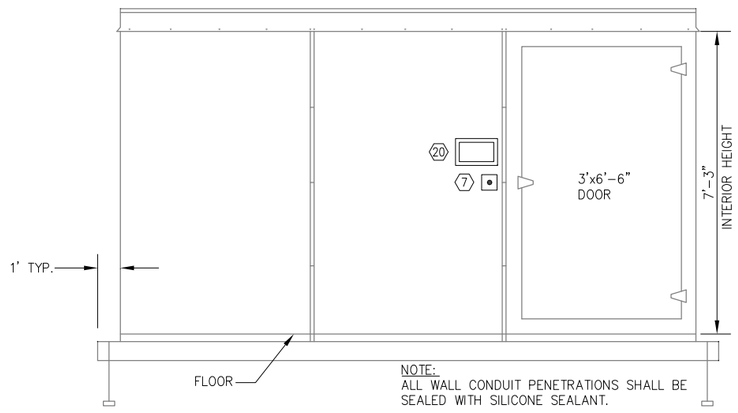
DATE: 12/3/10
SHEET: E04 OF E09



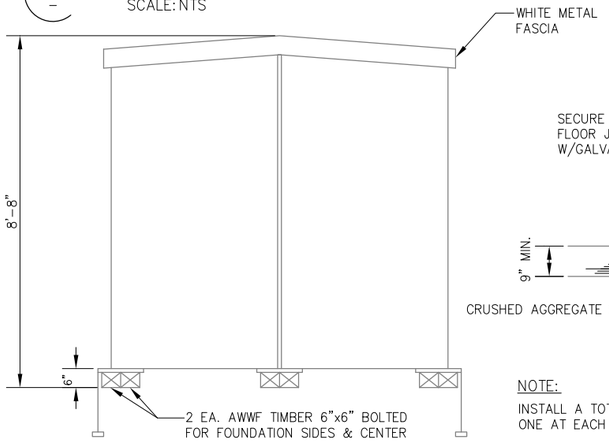
1 ELECTRICAL ENCLOSURE PLAN
SCALE: NTS



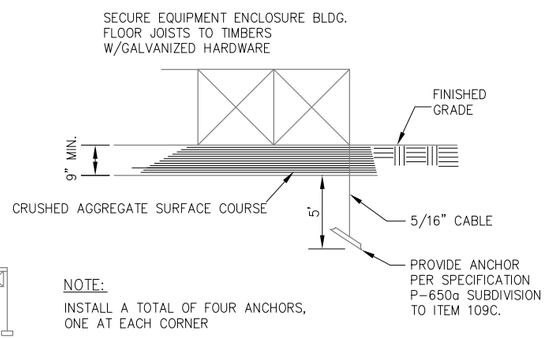
3 ENCLOSURE ELEVATION
SCALE: NTS



2 ENCLOSURE SIDE ELEVATION
SCALE: NTS



4 SECTION THRU. EQUIP. ENCL. BLDG.
SCALE: NTS



5 ENCL. BLDG. TIE DOWN DETL
SCALE: NTS

PANEL SCHEDULE									
PANEL NAME: 'A'			240/120VAC			1Ø, 3 Wire		100A MAINS	
PANEL LOCATION: Regulator Building			100A MCB			NEMA 1		10,000 AIC	
POLE	AMP TRIP		POLE kVA	A Ø	B Ø	POLE kVA	LOAD DESCRIPTION	AMP TRIP	POLE
1	20/1	LIGHTING CONTROL PANEL	0.6	1.4		0.8	BEACON	20/1	2
3	20/1	ENCLOSURE LIGHTS	0.2		0.6	0.4	WINDCONE	20/1	4
5		SPACE		0.4		0.4	CONV. OUTLETS-INTERIOR	20/1	6
7		SPACE			0.5	0.5	ELECTRIC HEATER	20/2	8
9	30/2	4 KW REGULATOR	2.0	2.5		0.5			10
11			2.0		2.2	0.2	BEACON RECEPTACLE	20/1	12
13				0.0					14
15					0.0				16
17				0.0					18
19					0.0				20
				4.3	3.3				
TOTAL kVA = 7.6 kVA AMPS = 31.7 A									

(1) L-821 LIGHTING CONTROL PANEL, SEE SHEETS E7 & E8.

(2) L-828 CONSTANT CURRENT REGULATOR, 4 KW, CLASS 1, STYLE 1 SIEMENS MODEL CCF6604-3200 OR APPROVED EQUAL.

(3) L-854 RADIO CONTROLLER-CONTROL INDUSTRIES MODEL NO. RC-IT5A-ANT FREQUENCY-122.8 MHZ. OR APPROVED EQUAL.

(4) 240V, 100A, SINGLE PHASE PANELBOARD, W/ A 100A MCB. SQUARE D CAT# NQOD20M100CU OR APPROVED EQUAL.

(5) NOT USED

(6) NOT USED

(7) PUSH BUTTON STATION, SEE SHEET E8, NOTE 6.

(8) NOT USED

(9) NOT USED

(10) 1"C, W/ANTENNA COAXIAL CABLE.

(11) ALL BUILDING PENETRATIONS SHALL BE THROUGH FLOOR UNLESS OTHERWISE SHOWN.

(12) PHOTOELECTRIC CONTROL-TORK NO. 2101 OR APPROVED EQUAL

(13) 5 KV PLUG CUTOUT, SIEMENS SERIES 'SCO' IN 14"x12"x8" NEMA 1 BOX WITH HINGED COVER, OR APPROVED EQUAL.

(14) SURFACE MOUNT WRAP-AROUND FLUORESCENT LIGHT FIXTURE, KENALL CAT# H1212FLC-NA-26Q1 WITH ONE 26 WATT QUAD FLUORESCENT LAMP OR APPROVED EQUAL. FURNISH SPARE LAMP.

(15) EMERGENCY LIGHT WITH NI-CAD BATTERIES, 90 MIN. RATING, LITHONIA CAT# ELM618-N OR APPROVED EQUAL.

(16) 1000-WATT 240-VOLT WALL MOUNTED FAN-FORCED ELECTRIC HEATER WITH WALL THERMOSTAT.

(17) METAL WALL DESK MCMASTER-CARR CATALOG NO. 4894T26 OR APPROVED EQUAL, 24.5"x23"x12" SLOPE TOP WITH PIGEON HOLE SHELVES, OR NO. 4808T18 34.5"x30"x32.5" DESK WITH LOCKING DRAWER MOUNT DESK TOP AT 43" AFF, (ELBOW HEIGHT WHEN STANDING).

(18) METAL CHAIR (ADJUSTABLE LEGS) WITH BACK SUPPORT FOR DESK: MCMASTER-CARR MODEL 4813T1 OR APPROVED EQUAL.

(19) METAL WALL CABINET (LOCKABLE) 26.5"x9"x30" WITH TWO SHELVES, MCMASTER-CARR MODEL 5041T15 OR APROVED EQUAL.

(20) 1/8" THICK ALUMINUM SIGN WITH WHITE REFLECTIVE BACKGROUND AND 1/2" MINIMUM BLACK OR BLUE VINYL LETTERING TO READ: PUSH TO TURN ON RUNWAY LIGHTS AUTOMATIC OFF IN 15 MINUTES. MOUNT WITH S/S SCREWS OR COLD WEATHER (-40 DEGREES F) ADHESIVE.

(21) BOND GROUND CONDUCTOR TO GROUND - RING AROUND SREB & ELECTRICAL ENCLOSURES (SEE E03). USE EXOTHERMIC WELDS FOR ALL BELOW GRADE CONNECTIONS.

(22) #6 BCU GROUNDING ELECTRODE CONDUCTOR. BOND TO PANEL "B" AND GROUND RING, AROUND SREB (SEE E03).

(23) 2"C, 3#2 (2H,N) & 1#6 (G)

(24) 2"C, 2#8, 5KV & 1#6 BCU

(25) 3/4"C, 4#12 (3SIG, N)

(26) 3/4"C, 2#8 & 1#12 (G)

(27) 3/4"C, 3#12 (H) & 2#10 (N,G)

(28) 3/4"C, 3#12 (2H,G)

(29) 3/4"C, 3#12 (H,N,G)

(30) 3/4"C, 4#12 (H,SWITCHLEG,N,G)

(31) 3/4"C, 3#12 (H, SWITCHLEG, G)

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:07:32 PM
Drawing: P:\Projects\AOOT\Ouzinkie\Dwgs\Elec\E05.DWG

XX/XX/XX

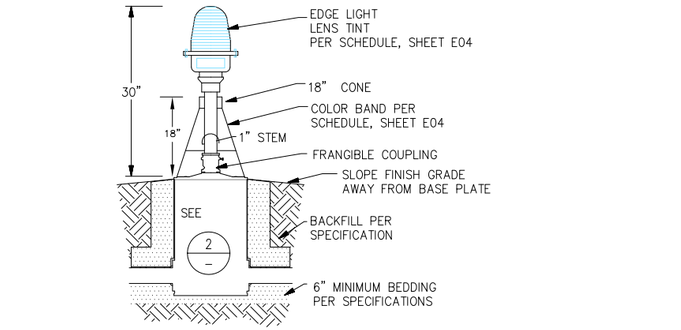
BY	DATE	REVISION

EDC, INC.
245 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

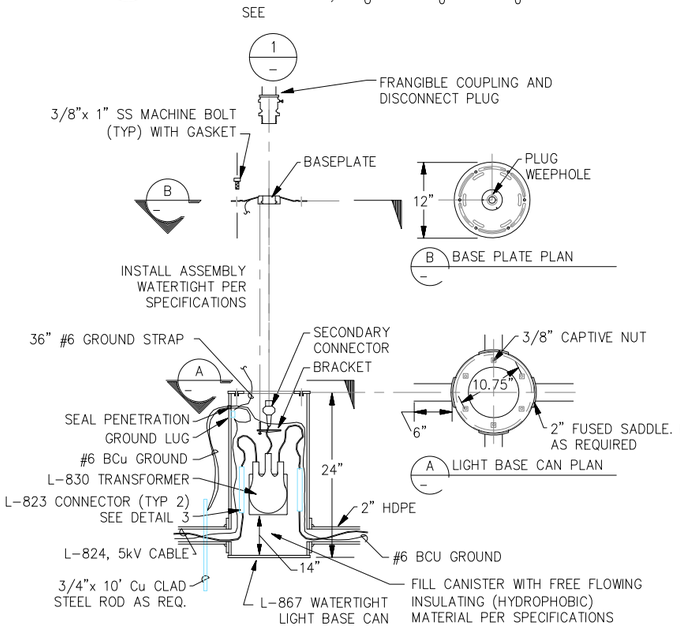
OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
ELECTRICAL ENCLOSURE PLAN AND DETAILS

DATE: 12/3/10
SHEET: E05 OF E09



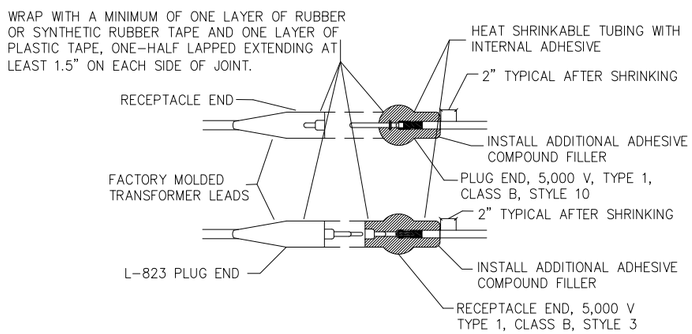
1 E02,E03 RUNWAY/TAXIWAY EDGE LIGHT DETAIL

SCALE: NTS 0 0' 0'



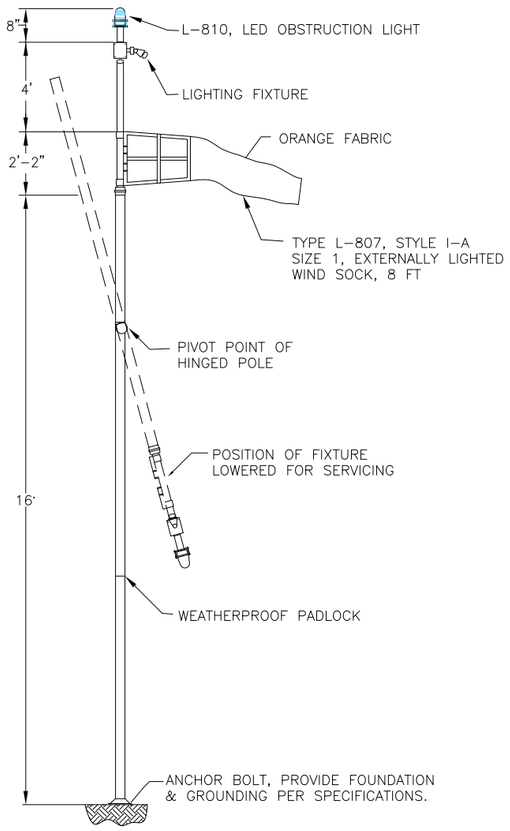
2 E02,E03 LIGHT BASE CANISTER DETAIL

SCALE: NTS NO SCALE 0 0' 0'



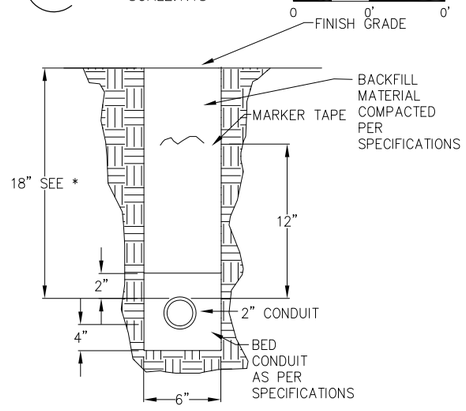
3 L-823 CABLE CONNECTOR DETAIL

SCALE: NTS 0 0' 0'



4 LIGHTED WIND CONE DETAIL

SCALE: NTS 0 0' 0'



* INCREASE BURIAL DEPTH TO 24" MINIMUM WHEN PASSING UNDER TAXIWAY, ROADWAY, RUNWAY OR APRON.

5 TRENCH SECTION

SCALE: NTS 0 0' 0'

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:10:12 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E06.DWG

XX/XX/XX

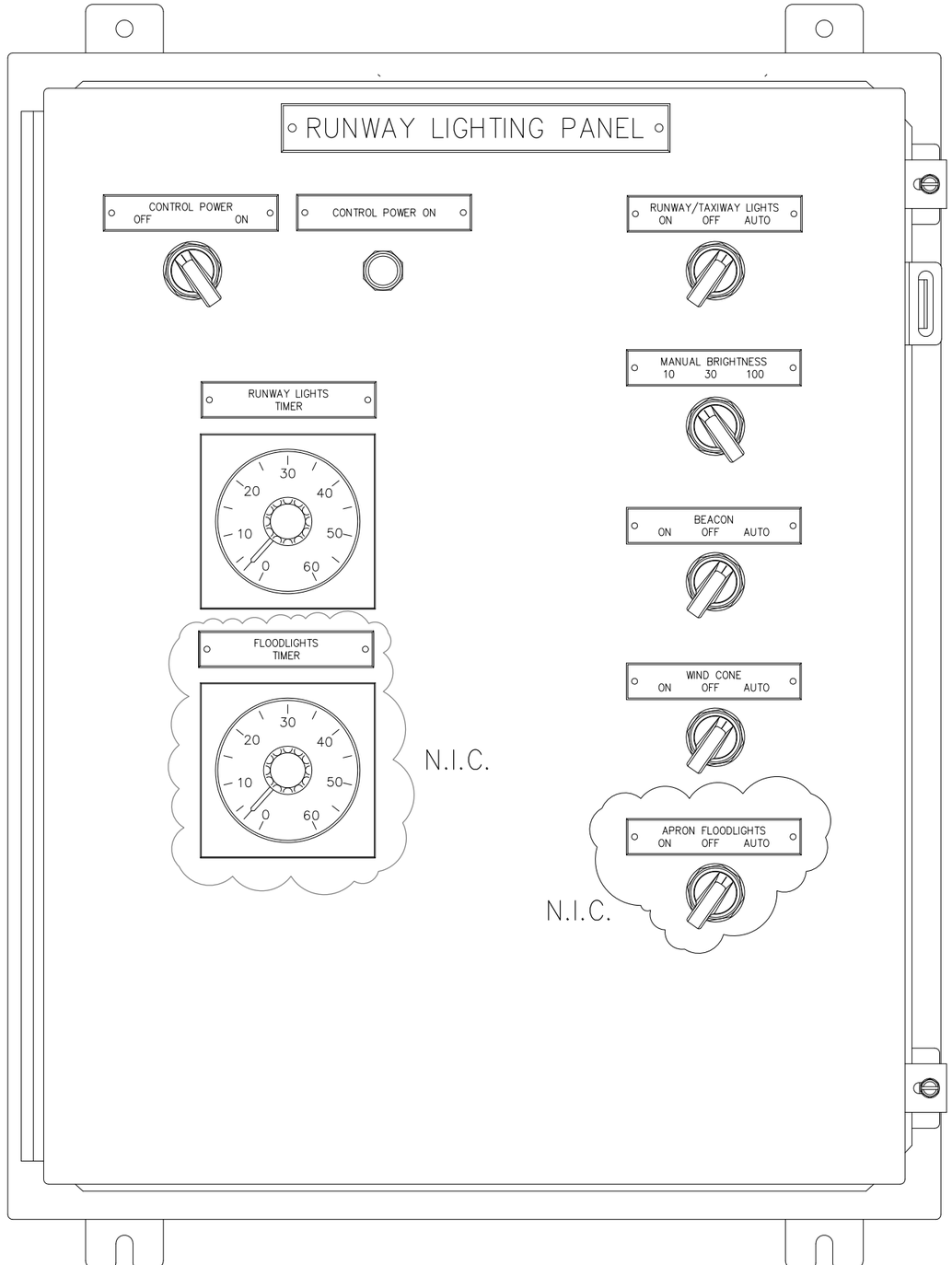
BY	DATE	REVISION

EDC, INC.
245 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
LIGHTBASE CAN, WIND CONE & RUNWAY LIGHTING DETAILS

DATE: 12/3/10
SHEET: E06 OF E09



1 PANEL LAYOUT
SCALE: NTS

0 0' 0'

LIGHTING CONTROL PANEL FUNCTIONAL NARRATIVE

THE PANEL CONTROLS THE OPERATION OF THE RUNWAY/TAXIWAY LIGHTS, AIRPORT BEACON AND WIND CONE.

LIGHTING CONTROL

SWITCHING THE 'CONTROL POWER' ON ENERGIZES THE LIGHTING CONTROL PANEL AND ILLUMINATES THE GREEN 'POWER ON' PILOT LIGHT. THE FOLLOWING FUNCTIONS ARE THEN ENABLED:

1. RUNWAY/TAXIWAY LIGHTS – THE RUNWAY AND TAXIWAY LIGHTS HAVE THREE MODES OF OPERATION, 'ON', 'AUTO' AND 'OFF'.

- IN THE 'ON' POSITION THE LIGHTS WILL ILLUMINATE CONTINUOUSLY AT THE BRIGHTNESS LEVEL 10, 30 OR 100, AS SET BY THE 'MANUAL BRIGHTNESS' SWITCH.
- IN 'AUTO' THE LIGHTS ARE ILLUMINATED TO ANY OF THREE LIGHT INTENSITIES WHEN THE PILOT ACTIVATES THE RADIO CONTROLLER BY MULTIPLE KEYING OF THE AIRCRAFT RADIO TRANSMITTER – 3 KEYS FOR LOW, 5 KEYS FOR MEDIUM AND 7 KEYS FOR HIGH. THE RADIO CONTROLLER WILL KEEP THE LIGHTS ON AT THE SELECTED INTENSITY FOR 15 MINUTES BEFORE SHUTTING THEM OFF. THE LIGHTS MAY ALSO BE ILLUMINATED AT THE INTENSITY LEVEL SET BY THE MANUAL SWITCH FOR A DURATION SET BY THE R/W LIGHTING TIMER BY PRESSING THE MOMENTARY PUSHBUTTON ON THE OUTSIDE OF THE LIGHTING CONTROL BUILDING.
- IN THE 'OFF' POSITION, THE R/W AND T/W LIGHTS CANNOT BE ENERGIZED UNDER ANY CONDITION.

2. AIRPORT BEACON – THE BEACON HAS THREE MODES OF OPERATION, 'ON', 'AUTO' AND 'OFF'.

- IN THE 'ON' POSITION, THE BEACON WILL ILLUMINATE CONTINUOUSLY.
- IN THE 'AUTO' POSITION THE BEACON WILL ILLUMINATE WHENEVER THE PHOTOCELL DETECTS LOW AMBIENT LIGHT CONDITIONS.
- IN THE 'OFF' POSITION, THE BEACON CANNOT BE ENERGIZED UNDER ANY CONDITION.

3. WIND CONE – THE WIND CONE HAS THREE MODES OF OPERATION, 'ON', 'AUTO' AND 'OFF'

- IN THE 'ON' POSITION THE WIND CONE AND WIND CONE OBSTRUCTION LIGHT ILLUMINATE CONTINUOUSLY.
- IN THE 'AUTO' POSITION, THE WIND CONE ILLUMINATES WITH THE R/W AND T/W LIGHTS WHEN THEY ARE ALSO IN THE 'AUTO' POSITION. THE WIND CONE OBSTRUCTION LIGHT ILLUMINATES WHENEVER THE PHOTOCELL DETECTS LOW AMBIENT LIGHT CONDITIONS.
- IN THE 'OFF' POSITION, THE WIND CONE AND WIND CONE OBSTRUCTION LIGHT CANNOT BE ENERGIZED UNDER ANY CONDITION.

4. APRON FLOODLIGHTS – THE APRON FLOODLIGHTS HAVE THREE MODES OF OPERATION, 'ON', 'AUTO' AND 'OFF'

- IN THE 'ON' POSITION THE FLOODLIGHTS ILLUMINATE CONTINUOUSLY.
- IN THE 'AUTO' POSITION, THE FLOODLIGHTS ENERGIZE WITH THE R/W AND T/W LIGHTS WHEN THEY ARE ALSO IN THE 'AUTO' POSITION AND REMAIN ON FOR THE DURATION SET BY THE FLOODLIGHT TIMER.
- IN THE 'OFF' POSITION, THE FLOODLIGHTS CANNOT BE ENERGIZED UNDER ANY CONDITION.

N.I.C.

N.I.C.

BY	DATE	REVISION

XX/XX/XX

EDC, INC.
745 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

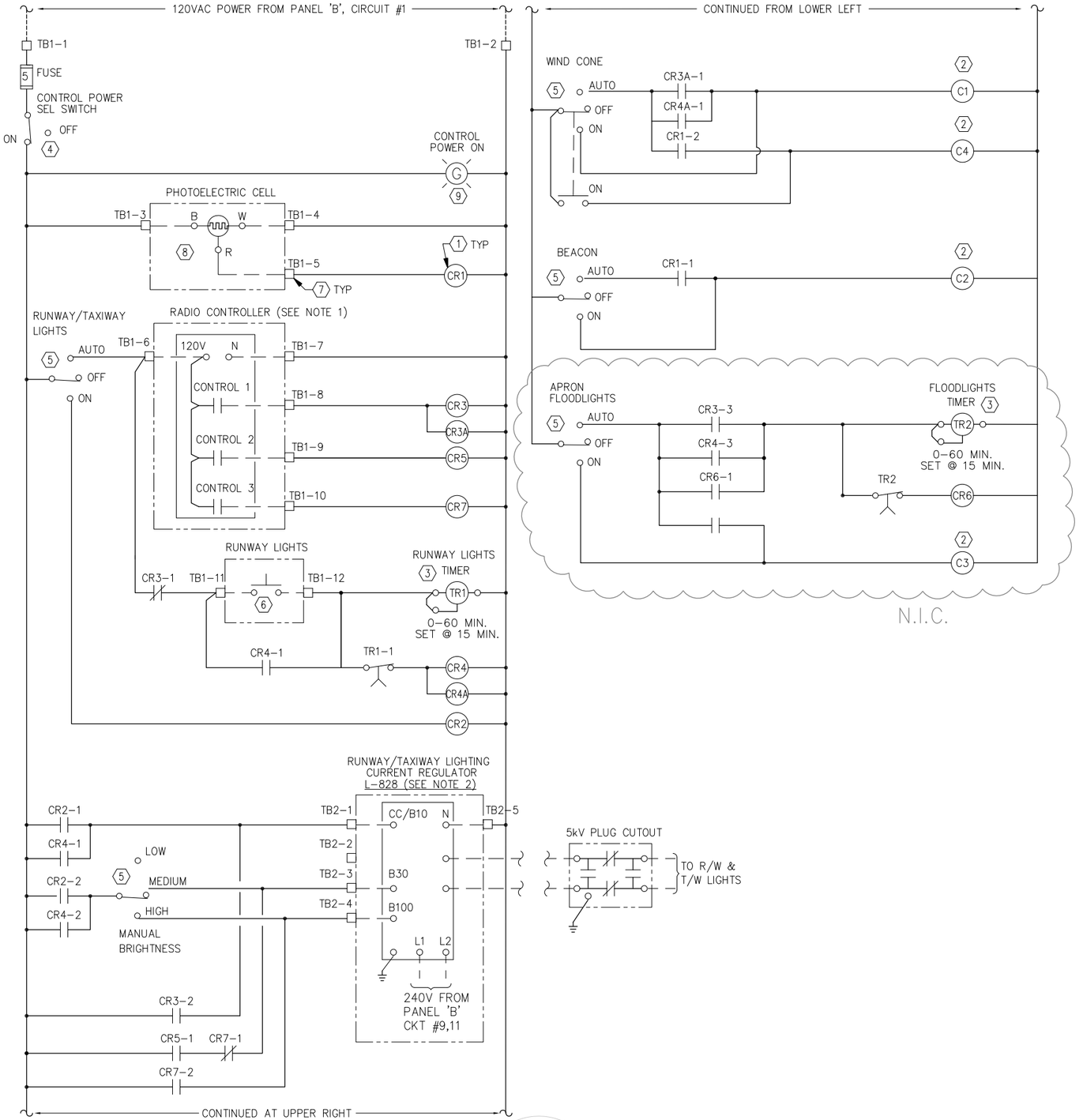
OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
LIGHTING CONTROL PANEL LAYOUT AND FUNCTIONAL NARRATIV

DATE: 12/3/10
SHEET: E07 OF E09

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:13:20 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E07.DWG



NOTES

1. RADIO CONTROLLER OUTPUTS 'CONTROL 1,2&3' ARE CUMULATIVE, SUCH THAT OUTPUT 'CONTROL 1' CLOSES WHEN THE PILOT KEYS HIS MIKE 3 TIMES AND REMAINS CLOSED IF THE PILOT KEYS HIS MIKE 2 MORE TIMES (TOTAL OF 5) CAUSING OUTPUT 'CONTROL 2' TO CLOSE. BOTH 'CONTROL 1 &2' REMAINED CLOSED IF THE PILOT KEYS HIS MIKE 2 MORE TIMES (TOTAL OF 7) CLOSING OUTPUT 'CONTROL 3'.
2. TO TURN ON THE REGULATOR AND ENERGIZE THE R/W AND T/W LIGHTS AT LOW INTENSITY, 120V CONTROL VOLTAGE MUST BE APPLIED TO THE 'CC/B10' TERMINAL. 120V CONTROL VOLTAGE MUST BE APPLIED TO TERMINALS 'CC/B10' AND 'B30' FOR MEDIUM INTENSITY AND TERMINALS 'CC/B10' AND 'B100' FOR HIGH INTENSITY.

EQUIPMENT LIST

1. CONTROL RELAY, 3PDT, IDEC NO. RR3PAU-AC 120V OR EQUAL.STANDBY GENERATOR ENCLOSURE.
2. CONTACTOR, GE NO.CR305K002 OR EQUAL.
3. TIMING RELAY, 1-60 MIN. EAGLE SIGNAL HP-56-A6 OR EQUAL.
4. SWITCH, 2PDT, CUTLER-HAMMER NO. 10250T20KB OR EQUAL.
5. SWITCH, 3-POSITION, CUTLER-HAMMER NO. 10250T21KB OR EQUAL.
6. PUSH-BUTTON STATION, 'ON' MOMENTARY CONTACT, WATER-DUST TIGHT, NEMA TYPE 4, GE NO. CR2943AJ301B OR EQUAL.
7. TERMINAL STRIP, 20A, 12-POINT, GE NO. CR151B2 OR EQUAL.
8. PHOTOELECTRIC CONTROL, TORK NO. 2101 OR EQUAL.
9. PILOT LIGHT, LED, 120V, CUTLER-HAMMER NO. 10250T197LGP2A OR EQUAL.

BY	DATE	REVISION

EDC, INC.
715 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

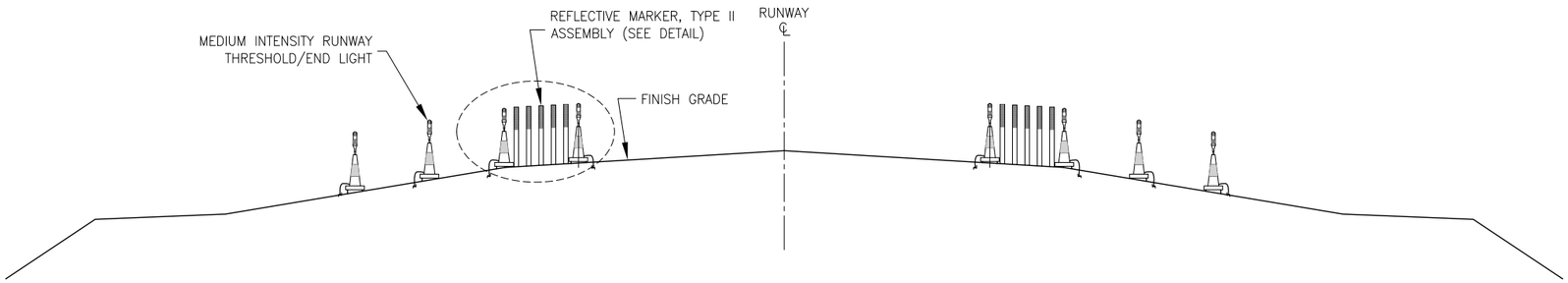
OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
LIGHTING CONTROL PANEL SCHEMATIC

DATE: 12/3/10
SHEET: E08 OF E09

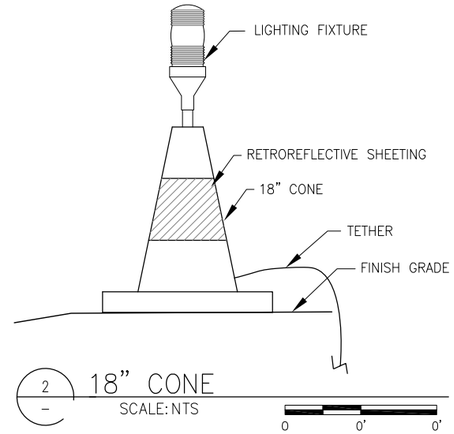
Designed By:
Drawn By:
Checked By:
Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:13:42 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E08.DWG

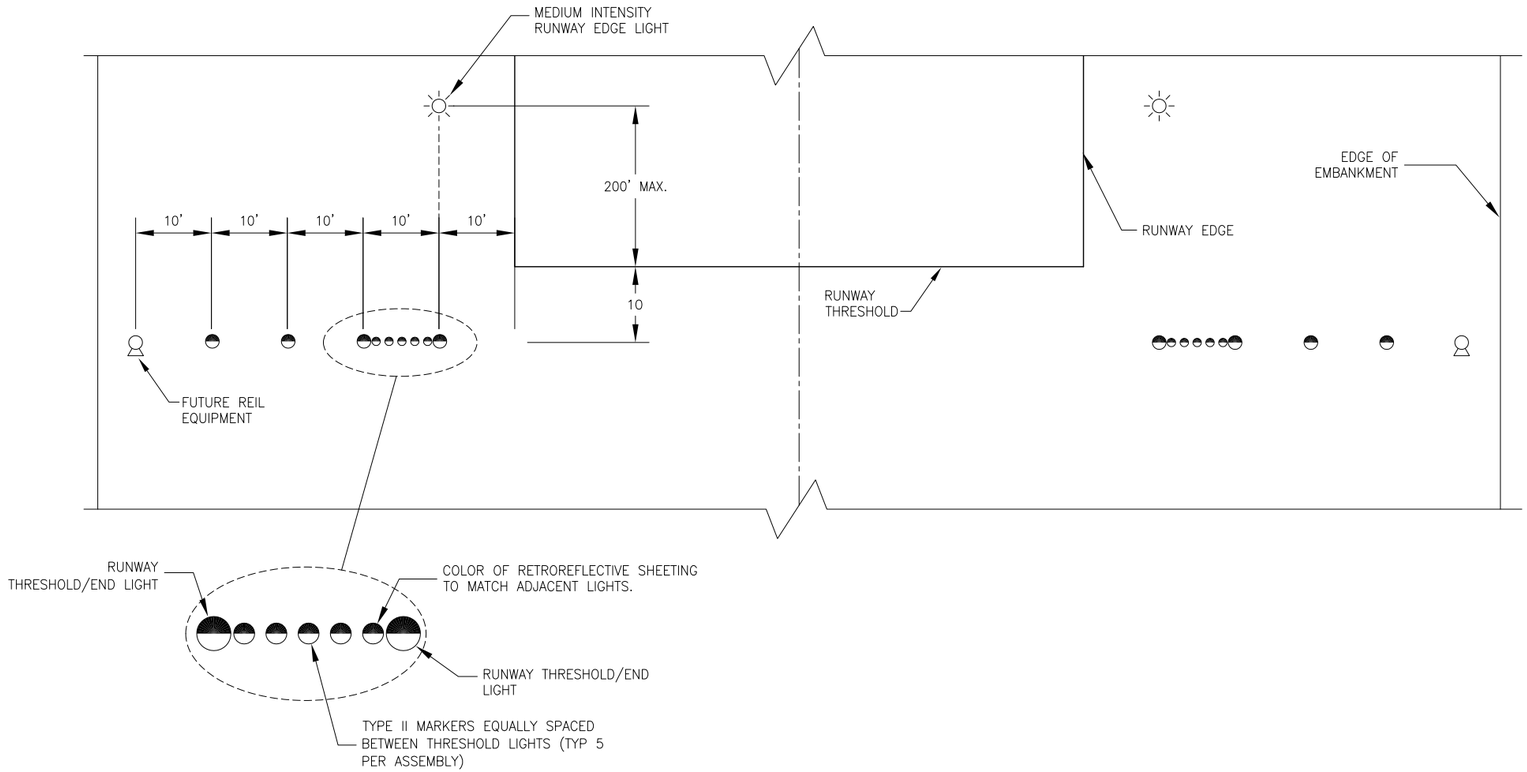
XX/XX/XX



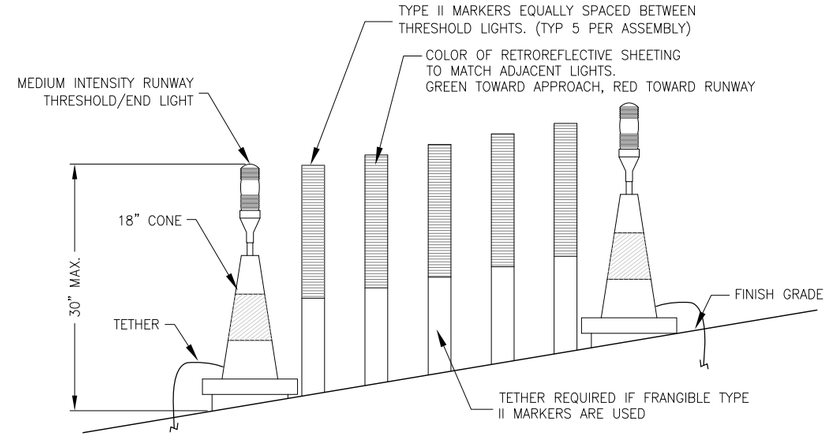
1 – THRESHOLD LIGHTING AND REFLECTIVE MARKER ELEVATION (TYP)
SCALE: NTS



2 – 18" CONE
SCALE: NTS



3 – THRESHOLD LIGHTING AND REFLECTIVE MARKER PARTIAL PLAN
SCALE: NTS



4 – TYPE II MARKER ASSEMBLY DETAIL
SCALE: NTS

NOTES:

1. REFERENCE FAA AC 150/5340-30B DATED 7/01/06 AND AC 150/5345-39C DATED 9/14/06.
2. 18" CONES SHALL BE INSTALLED ON ALL RUNWAY/TAXIWAY LIGHTS TO IDENTIFY THEIR POSITION WHEN THEY ARE NOT ILLUMINATED.

Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name:
File Path and Name:

Date/Time: 12/3/2010 2:14:04 PM
Drawing: P:\Projects\ADOT\Ouzinkie\Dwgs\Elec\E09.DWG

xx/xx/xx

BY	DATE	REVISION

EDC, INC.
213 W. FIREWEED LANE
ANCHORAGE, AK 99503
(907) 276-7933

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
RELOCATION
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
RETROREFLECTIVE MARKER & 18 INCH CONE DETAIL

DATE: 12/3/10
SHEET: E09 OF E09

Date Revised:	12/14/2010, 11:23 AM
Layout Name:	APPENDIX A
File Path and Name:	W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Appendix.dwg

Designed By:	DESIGNER
Drawn By:	DRAFTER
Checked By:	CHECKER

CONSTRUCTION PLANS FOR

OUZINKIE AIRPORT

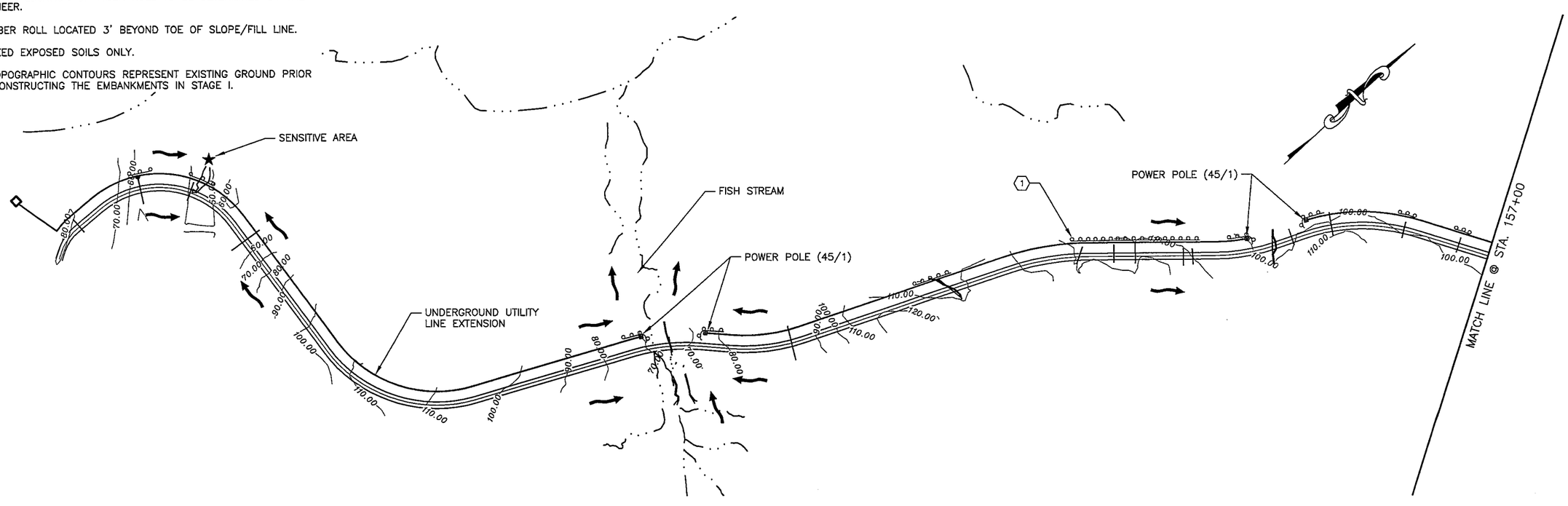
OUZINKIE, ALASKA
AIRPORT RELOCATION
PROJECT No. 52637
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0480-002-2011

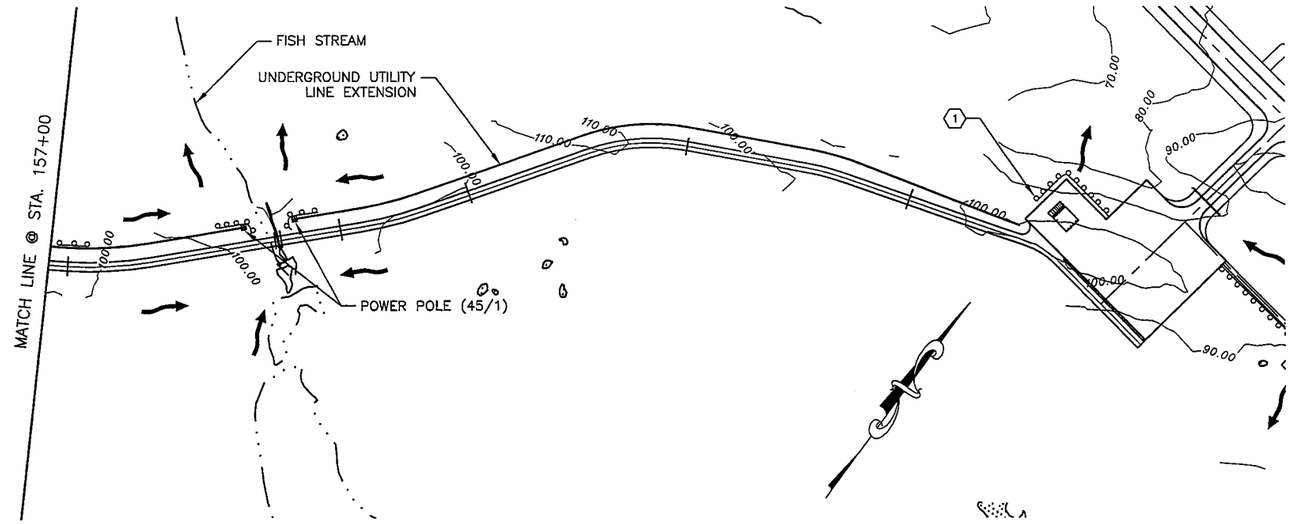
APPENDIX A

EROSION SEDIMENT CONTROL PLAN

NOTES

1. PLACE FIBER ROLL WHEN CONSTRUCTION IS WITHIN 25' OF ANY BODY OF WATER OR WETLAND.
2. EXACT LOCATION OF FIBER ROLL TO BE DETERMINED BY THE ENGINEER.
3. FIBER ROLL LOCATED 3' BEYOND TOE OF SLOPE/FILL LINE.
4. SEED EXPOSED SOILS ONLY.
5. TOPOGRAPHIC CONTOURS REPRESENT EXISTING GROUND PRIOR TO CONSTRUCTING THE EMBANKMENTS IN STAGE I.





LEGEND

DRAINAGE FLOW

FIBER ROLL

BMP'S

(1) INSTALL FIBER ROLL OR OTHER APPROPRIATE BMP AS SHOWN OR DIRECTED BY ENGINEER

STATE OF ALASKA 49TH GARY E. LINCOLN CE-9790 REGISTERED PROFESSIONAL ENGINEER

200' 100' 0 200' 400'

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
EROSION AND SEDIMENT CONTROL PLAN
ELECTRICAL LINE EXTENSION

DATE: 12/14/2010
SHEET: 1 OF 2
AS-BUILT SHEET:

Designed By: ###
Drawn By: ###
Checked By: ##

Date Revised:
Layout Name: Road
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\ESCP - Stg II.dwg

12/14/2010, 8:34 AM

NOTES

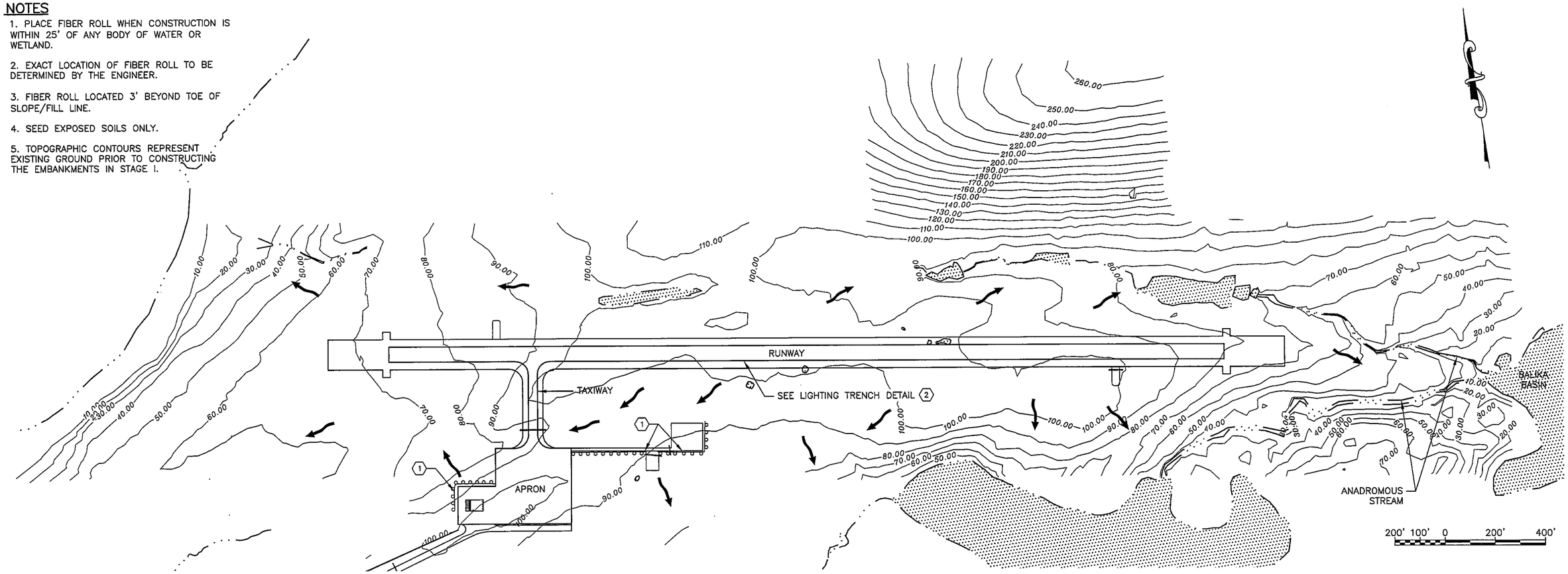
1. PLACE FIBER ROLL WHEN CONSTRUCTION IS WITHIN 25' OF ANY BODY OF WATER OR WETLAND.

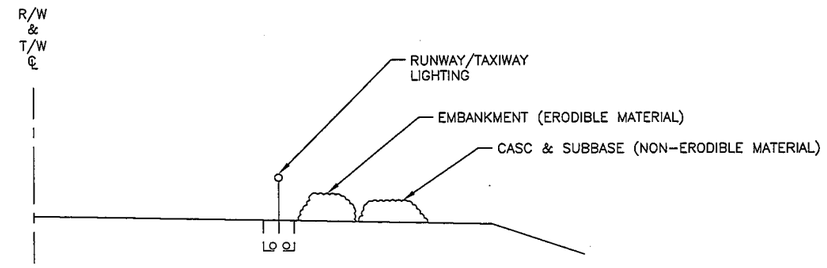
2. EXACT LOCATION OF FIBER ROLL TO BE DETERMINED BY THE ENGINEER.

3. FIBER ROLL LOCATED 3' BEYOND TOE OF SLOPE/FILL LINE.

4. SEED EXPOSED SOILS ONLY.

5. TOPOGRAPHIC CONTOURS REPRESENT EXISTING GROUND PRIOR TO CONSTRUCTING THE EMBANKMENTS IN STAGE I.





RUNWAY/TAXIWAY LIGHTING TRENCH DETAIL

NTS

LEGEND

DRAINAGE FLOW

FIBER ROLL

BMP'S

1. INSTALL FIBER ROLL OR OTHER APPROPRIATE BMP AS SHOWN OR DIRECTED BY ENGINEER.

2. CONSTRUCTION SEQUENCING. PLACE CASC/SUBBASE DOWN SLOPE OF EMBANKMENT MATERIAL.

STATE OF ALASKA
49TH
GARY E. LINCOLN
CE-9790
REGISTERED PROFESSIONAL ENGINEER

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
EROSION AND SEDIMENT CONTROL PLAN
AIRPORT

DATE: 12/14/2010
SHEET: 2 OF 2
AS-BUILT SHEET:

Date Revised: 12/23/2010, 10:01 AM
Layout Name: Airport
File Path and Name: W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\ESCP - Stg II.dwg
Designed By: ###
Drawn By: ###
Checked By: ###

Designed By:	DESIGNER
Drawn By:	DRAFTER
Checked By:	CHECKER

Date Revised:	12/14/2010 11:24 AM
Layout Name:	APPENDIX L
File Path and Name:	W:\Projects\Ouzinkie\Airport Relocation Stage II 52637 (04-2010)\Final Drawings\Appendix.dwg

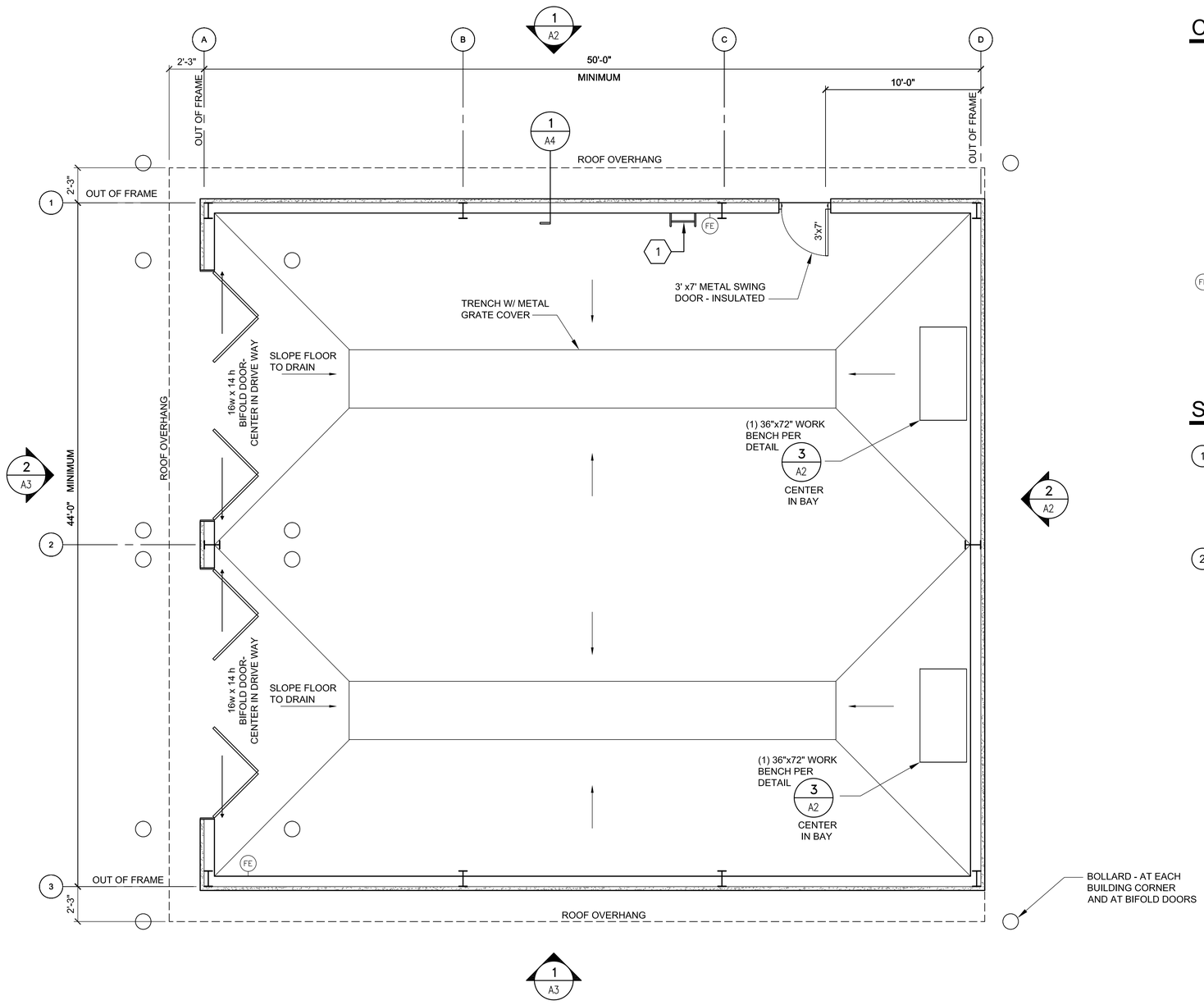
CONSTRUCTION PLANS FOR

OUZINKIE AIRPORT

OUZINKIE, ALASKA
AIRPORT RELOCATION
PROJECT No. 52637
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0480-002-2011

APPENDIX L

SNOW REMOVAL EQUIPMENT BUILDING PLAN AND DETAILS



1 A1 FLOOR PLAN

SCALE 1/4"=1'-0"

0 2' 4' 8'

SCALE: 1/4"=1'-0" (22x34 sheet)
SCALE: 1/8"=1'-0" (11x17 sheet)

CODE SYNOPSIS

2006 IBC AS AMENDED BY ALASKA DEPT. OF PUBLIC SAFETY

OCCUPANCY S-2 PARKING GARAGE (IBC 311.2)

CONSTRUCTION TYPE V-B COMBUSTIBLE WITH NO FIRE RESISTANCE (IBC602)
FIRE SEPARATION DISTANCE FOR NON FIRE-RATED EXTERIOR WALLS= 10' OR GREATER

ACTUAL AREA: 50 x 44 = 2200 S.F.
S-2 OF V-B ALLOWABLE AREA = 13,500SF (IBC 503) = OK

FIRE SEPARATION NOT REQUIRED FOR FUEL - HEATING EQUIPMENT UNDER 400,000 BTU INPUT (IBC 508.2)

OCCUPANT EXIT LOAD (IBC 1004.1): 2200 SF/200 = 11 = SINGLE HINGED EXIT DOOR ok (1015)

FOAM PLASTIC INSULATED WALL & ROOF PANELS SHALL COMPLY WITH IBC 2603 FOR NON-SPRINKLERED BUILDINGS

(FE) PROVIDE EXTINGUISHERS: DRY CHEMICAL 2-A: 10-B;C MINIMUM WITH ALASKA FIRE MARSHAL - APPROVED SIGNS

SHEET NOTES

(1) PORTABLE LADDER: FURNISH ONE PORTABLE ALUMINUM ADJUSTABLE FREE STANDING A-FRAME LADDER 6 TO 11 FOOT A-FRAME HEIGHT RECOMMENDED BY MANUFACTURER FOR INDUSTRIAL HEAVY DUTY 300 POUND RATING. CERTIFIED ANSI A14 COMPLIANCE. little giant.com - MODEL 26 OR EQUAL

INSTALL WITH STORAGE 1/8" X 3/4" GALVANIZED CHAIN AGAINST ON INSIDE WALL OF BUILDING WHERE DIRECTED

(2) PAINTING: PLYWOOD AND EXPOSED GYP BOARD
CLEAN, DRY AND PREPARE PAINT MANUFACTURER
1 COAT PRIMER - SEALER TOP COAT COMPATIBLE
2 COATS ACRYLIC LATEX ENAMEL, WHITE COLOR, EGGSHELL SHEEN

STATE OF ALASKA 49th
John E. McCool
No. 3534-A
REGISTERED PROFESSIONAL ARCHITECT

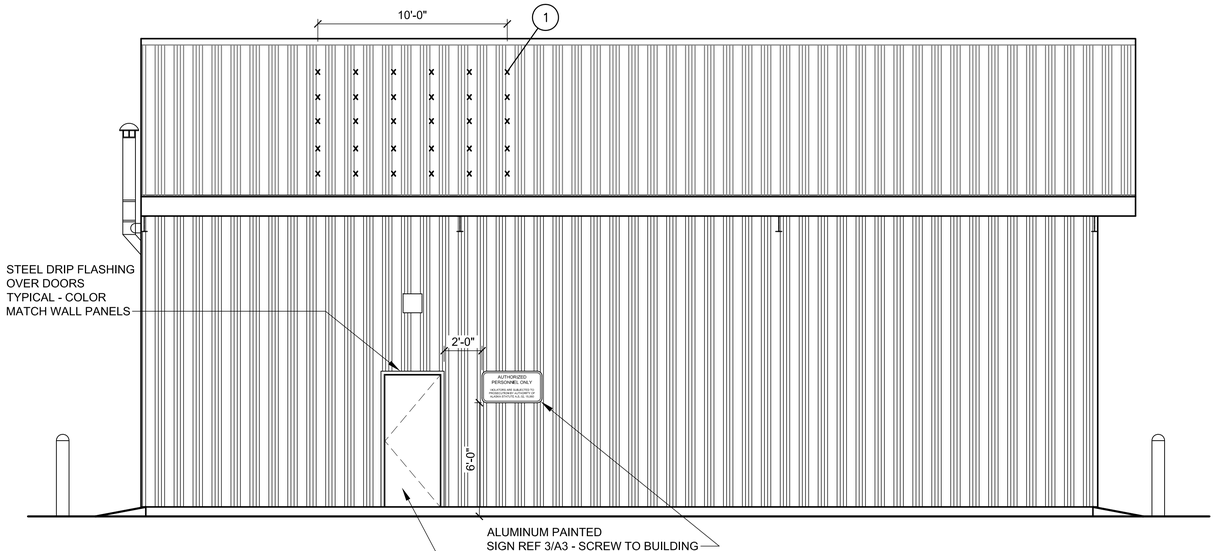
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
ARCHITECT FLOOR PLAN

DATE: 05/15/2010
SHEET: A1 OF A4

Designed By: DDG
Drawn By: WVZ
Checked By: JEM
Date Revised: 11/11/2010, 8:32 AM
Layout Name: A1 FLOOR PLAN
File Path and Name: Y:\2006\2006008.14 - R&M SREB Ouzinkie\CAD\SREB-Ouzinkie\Sheets\A1FLOOR PLAN.dwg

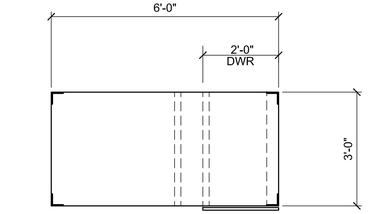


1 A2 SIDE – ELEVATION

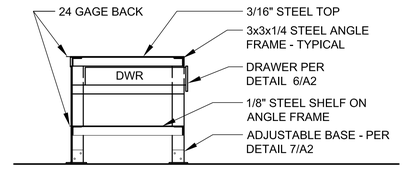
SCALE 1/4"=1'–0"

0 2' 4' 8'

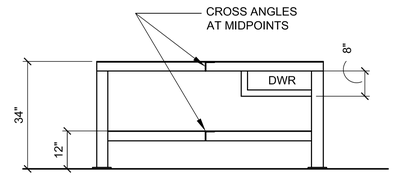
SCALE: 1/4"=1'-0" (22x34 sheet)
SCALE: 1/8"=1'-0" (11x17 sheet)



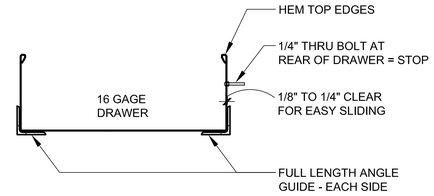
3 A2 WORK BENCH PLAN



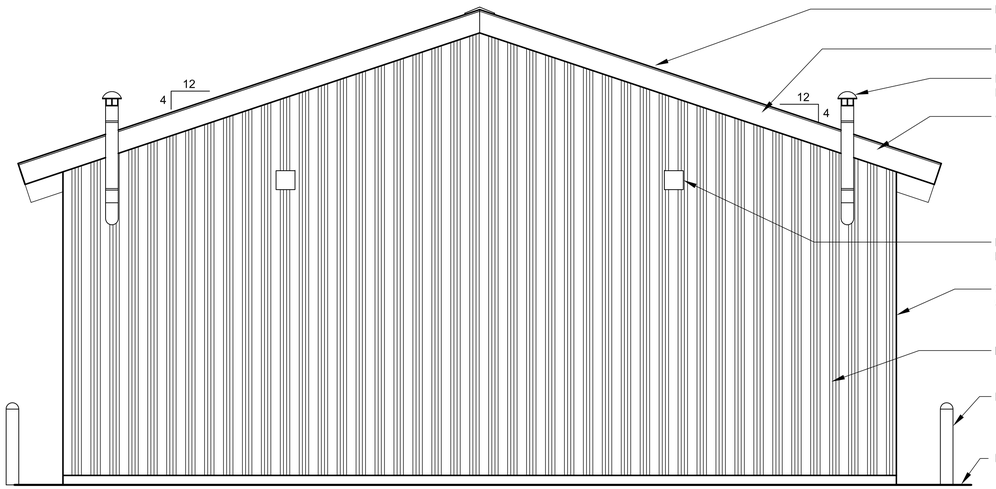
5 A2 WORK BENCH SECTION



4 A2 WORK BENCH FRONT



6 A2 WORK BENCH DRAWER



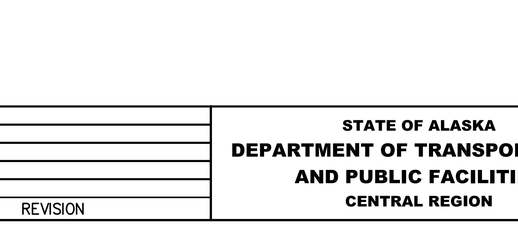
2 A2 REAR – ELEVATION

TYPICAL NOTES

SCALE 1/4"=1'–0"

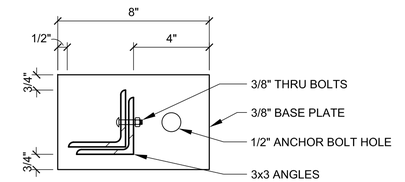
0 2' 4' 8'

SCALE: 1/4"=1'-0" (22x34 sheet)
SCALE: 1/8"=1'-0" (11x17 sheet)



7 A2 WORK BENCH LEG

SCALE 3"=1'–0"



8 A2 BENCH LEGS BASE PLATE

WORK BENCH

INSTALL WHERE INDICATED ON FLOOR PLAN

FRAME: 3x3 x1/4" STEEL ANGLES - WELD 3/16" FILLET AT CONNECTIONS

TOP: 3/16" STEEL PLATE

SHELF: 1/8" STEEL PLATE

BACK: 24 GAGE STEEL SHEET

1/4" ROUND HEAD THRU BOLT ATTACH - EVENLY SPACE AT 12" MAXIMUM

DRAWER: BOTTOM AND SIDES: 16 GAGE GALVANIZE SHEET STEEL BEND OR WELDED - HEM TOP EDGES

PULL: 6x5/16" WIRE: STANLEY 4486 OR EQUAL

EDGES: SMOOTH EDGES BY GRINDING - FREE FROM SHARP SURFACES

FINISH: SHOP APPLY: SOLVENT CLEAN POWER GRIND OR GRIT BLAST CLEAN, PRIME AND GRAY COLOR EPOXY ENAMEL PAINT

SHEET NOTES

1 ROOF SNOW GUARD: PROVIDE 5 ROWS OF 6 @ 12" O.C. = 30 TOTAL

INSTALL ON ROOF CENTERED ABOVE MAN DOOR
4' UP FROM EAVE - SPACE 4' UP ROOF SLOPE

2" TO 3" PROJECTION POLYCARBONATE PLASTIC
RECOMMENDED BY MANUFACTURER TO HOLD SNOW ONTO SLOPING METAL ROOFS
ATTACH WITH MANUFACTURER APPROVED ADHESIVE

POLAR BLOX, SNOWJAX, SNO GEM OR EQUAL

STATE OF ALASKA 49th
John E. McCool
No. 3534-A
REGISTERED PROFESSIONAL ENGINEER

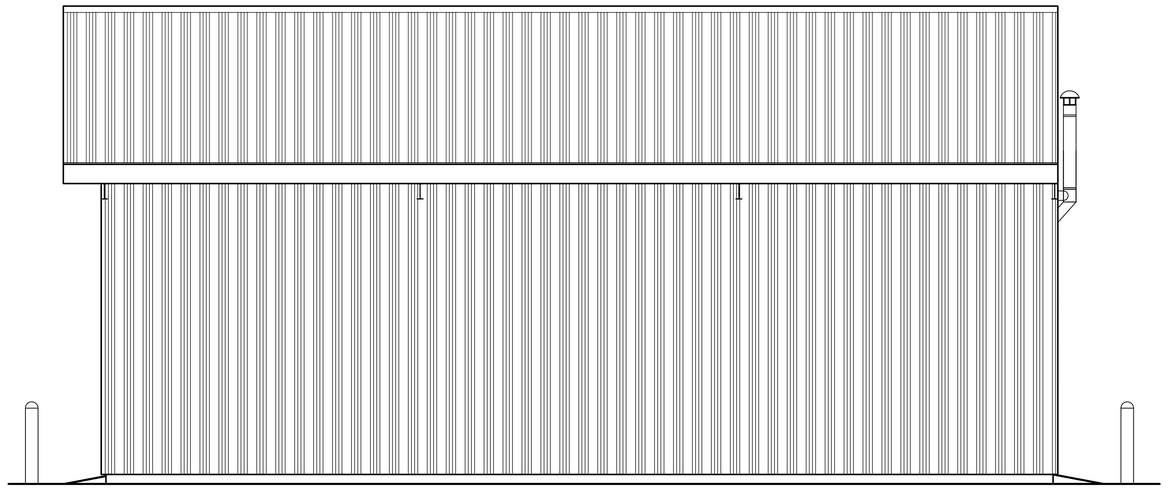
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3–02–0480–002–2011
SNOW REMOVAL EQUIPMENT BUILDING
ARCHITECT ELEVATIONS AND BENCH DETAILS

DATE: 05/15/2010
SHEET: A2 OF A4

Date Revised: 11/11/2010, 9:00 AM
Layout Name: A2 - BUILDING ELEVATIONS
File Path and Name: X:\2006\2006098.14 – R&M SREB Ouzinkie\CAD\SREB–Ouzinkie\Sheets\A2 BUILDING ELEVATIONS.dwg
Designed By: DGC
Drawn By: WZ
Checked By: JEM

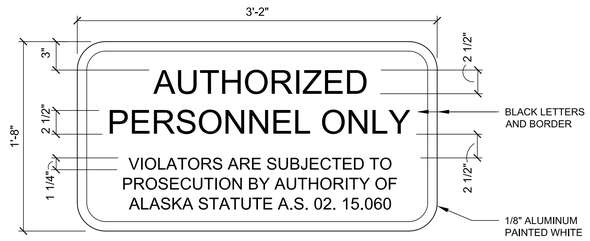


1 / A3 SIDE – ELEVATION

SCALE 1/4"=1'–0"

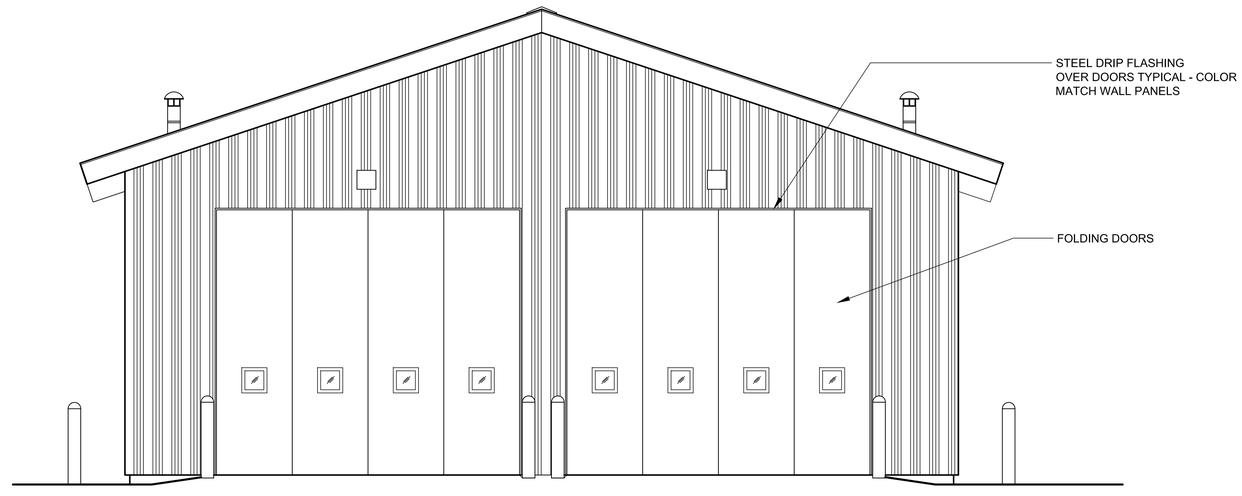
0 2' 4' 8'

SCALE: 1/4"=1'-0" (22x34 sheet)
SCALE: 1/8"=1'-0" (11x17 sheet)



3 / A3 SIGN MESSAGE

SCALE 1 1/2"=1'–0"



2 / A3 FRONT – ELEVATION

SCALE 1/4"=1'–0"

0 2' 4' 8'

SCALE: 1/4"=1'-0" (22x34 sheet)
SCALE: 1/8"=1'-0" (11x17 sheet)

STATE OF ALASKA 49th
John E. McCool
No. 3534-A
REGISTERED PROFESSIONAL ARCHITECT

BY	DATE	REVISION

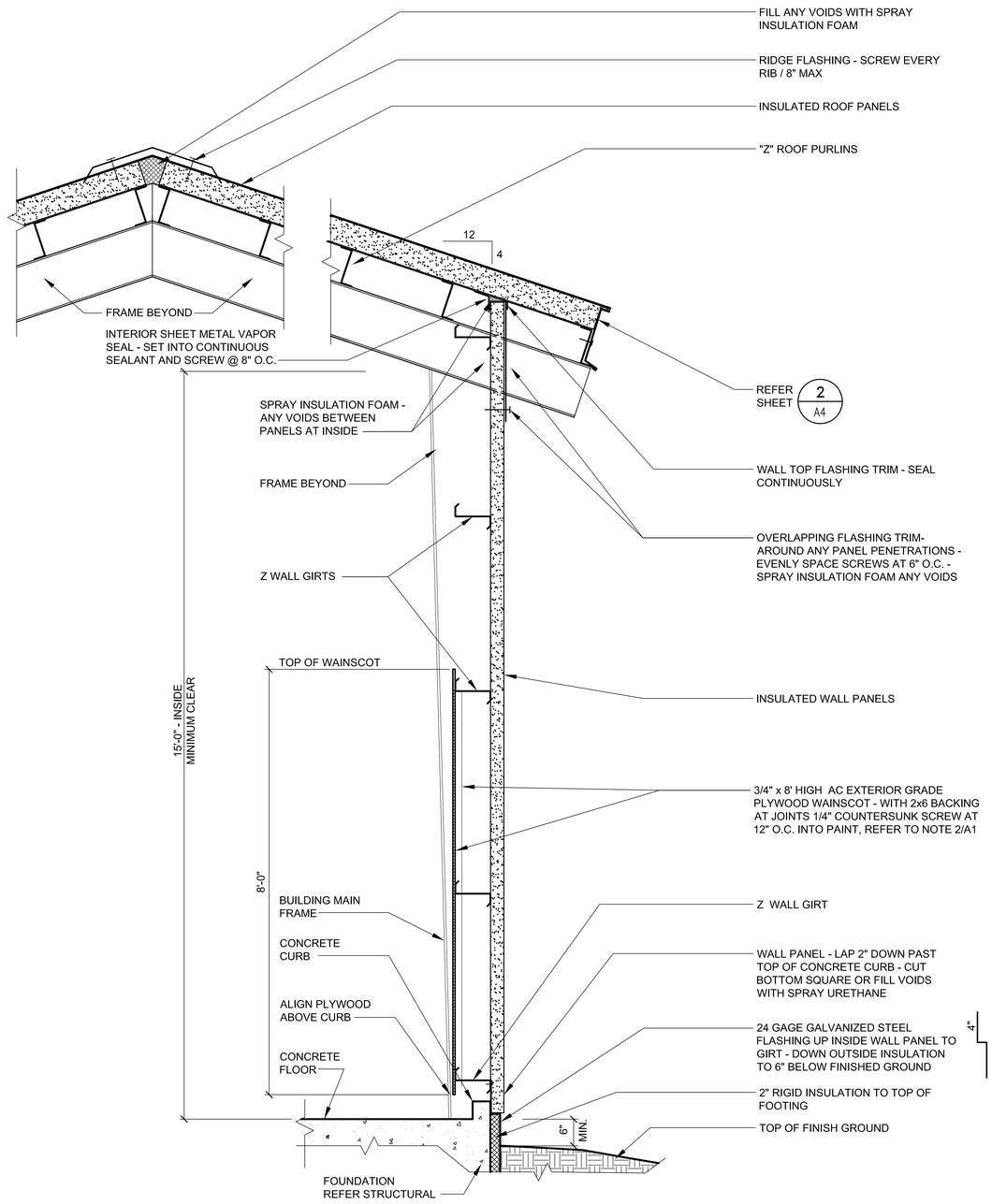
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3–02–0480–002–2011
SNOW REMOVAL EQUIPMENT BUILDING
ARCHITECT BUILDING ELEVATIONS

DATE: 05/15/2010
SHEET: A3 OF A4

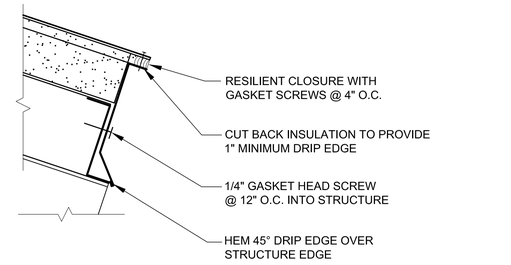
Date Revised: 11/11/2010, 9:25 AM
Layout Name: A3 BUILDING ELEVATIONS
File Path and Name: Y:\2006\2006008.14 – R&M SREB Ouzinkie\CAD\SREB–Ouzinkie\Sheets\A3 BUILDING ELEVATIONS.dwg

Designed By: DDG
Drawn By: WVZ
Checked By: JEM



1 / A4 TYPICAL WALL SECTION

SCALE 3/4"=1'-0"



2 / A4 ROOF EAVES

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

0 8" 1'-4" 2'-8"

SCALE: 3/4"=1'-0" (22x34 sheet)
SCALE: 3/8"=1'-0" (11x17 sheet)

STATE OF ALASKA 49th
John E. McCool
No. 3534-A
REGISTERED PROFESSIONAL ARCHITECT

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
ARCHITECT WALL SECTION

DATE: 05/15/2010
SHEET: A4 OF A4

Designed By: DDG
Drawn By: WVZ
Checked By: JEM

Date Revised:
Layout Name: A4 BUILDING SECTION
File Path and Name: Y:\2006\2006008.14 - R&M SREB Ouzinkie\CAD\SREB-Ouzinkie\Sheets\A4 WALL SECTION.dwg

11/11/2010, 10:00 AM

Designed By:	REA
Drawn By:	DMH
Checked By:	MJL
Date Revised:	11/12/2010, 12:34 PM
Layout Name:	Cover
File Path and Name:	G:\06009TSR\04 SREB PROTOTYPES\22 - Ouzinkie\Working\06009_22_E1.dwg

LEGEND

FIXTURE	DESCRIPTION	MOUNTING HEIGHT	LAMP SIZE/ TYPE	REMARKS
A/130	WALL MOUNT BRACKET, LIGHT DISTRIBUTION NEMA 7X7, BALLAST 120–VOLT HPF. KIM LIGHTING AFL11–100–HPS–120, OR LITHONIA ASF1–100S–WDF–120 OR APPROVED EQUAL.	12'–0" OR AS SHOWN	100–HPS	AT STORAGE AREA, AIM FIXTURE AT FLOOR 19 FT FROM WALL AT WORK BENCH, AIM FIXTURE AT TOP OF BENCH
AA/130	CEILING MOUNT, GENERAL ELECTRIC CATALOG NO. C1S–10–S–1–K–5–TA–2–Q W/ POWER HOOK AND SAFETY CHAIN, OR HUBBELL CATALOG NO. ML–P–100–S–8–AR–WH OR APPROVED EQUAL. PROVIDE "INSTANT ON" QUARTZ LAMP IN TWO FIXTURES.	16'–0" OR AS SHOWN	100–HPS	
B/130	WALL MOUNT AREA LIGHT, POLYCARBONATE REFRACTOR, LIGHT DISTRIBUTION: SHORT NON–CUTOFF TYPE–III, BALLAST 120–VOLT MAGNETIC REGULATOR W/ PHOTO–ELECTRIC CELL. GENERAL ELECTRIC NO. W1LR–10–S–1–M–3–L–SN3–DB, OR HUBBELL CATALOG NO. PGM–100S–128–1, OR LUMINAIRE LIGHTING CATALOG NO. LPL 1212–100HPS–HPF–120–CP–PC–A/B, OR APPROVED EQUAL.	16'–0"	100–HPS	
C/65	WALL MOUNT, POLYCARBONATE LENS, BALLAST 120–VOLT HPF, W/PHOTO–ELECTRIC CELL. KENALL NO. H69D–PP–DB–50S–1–120–HPF, OR BROWNLEE LIGHTING CATALOG NO. 7182–50S–CPP–C–HPF–P01, OR HUBBELL CATALOG NO. NRG–121–PC, OR APPROVED EQUAL.	8'–0"	50–HPS	
E/65 B	EMERGENCY EGRESS LIGHT, SEALED LEAD–CALCIUM BATTERY. 12V, –40°C RATING. INDUSTRIAL LIGHTING UNIT LITHONIA #INDX1236 W 120 H1212 ULT, OR SURVIVE–ALL SV SERIES CATALOG NO. W–12SV36M–2–MK–D–CW4, OR APPROVED EQUAL.	8'–0"	INCLUDED	
⟨1⟩	NOTE SYMBOL – NUMBER INDICATED			
$	SINGLE POLE SWITCH, LIGHTED TOGGLE (LIGHT ON WITH LOAD OFF)	48"		
$3	3–WAY SWITCH, LIGHTED TOGGLE (LIGHT ON WITH LOAD OFF)	48"		
$T	MANUAL MOTOR STARTER SWITCH W/THERMAL OVERLOAD ELEMENT	48"		
$WP	WEATHERPROOF SWITCH	48"		
$HOA & SP	DOUBLE POLE HAND–OFF–AUTO SWITCH WITH SPEED CONTROL	48"		
▬	CIRCUIT BREAKER PANEL, SEE PANEL SCHEDULE	6'–6" TO TOP		
	ELECTRICAL CIRCUIT			
C–#	HOME RUN TO CIRCUIT PANEL WITH PANEL AND BREAKER NUMBER			
	GROUND ELECTRODE SYSTEM CONNECTION			
	DUPLEX OUTLET, GFCI, NEMA 5–20R	48"		
A	RECEPTACLE, 30 AMP, 120V, NEMA 5–30R.	48"		PROVIDE MATCHING ANGLE PLUG
B	RECEPTACLE, 50 AMP, 240V, NEMA 6–50R	48"		PROVIDE MATCHING ANGLE PLUG
H	DISCONNECT SWITCH, 60A, 2P, S/N, 240V	5'–6"		
F	FAN JUNCTION BOX			
3	MOTOR WITH HORSEPOWER INDICATED			
G	GENERATOR INLET IN NEMA–3R ENCLOSURE	48"		
——UGE——	UNDERGROUND ELECTRICAL			
—— — ——	LOW VOLTAGE CKT.			
RSC	RIGID STEEL CONDUIT			
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT			

PANEL: C

PROJECT: DOUBLE BAY SREB
LOCATION:
LUGS ■ CB □ | SURF ■ FLSH □ | THRUFEED LGS □ SHNT TRP □ SBFD LGS □ | SUBFEED BKR □ ISO GRND BAR □ SOLID NEUTRAL ■

120/240 VOLTS — 1 PH 3 WIRE — 200 AMP — 22,000 AIC

CIRCUIT DESCRIPTION	KVA	AMP	CKT	CKT	AMP	KVA	CIRCUIT DESCRIPTION
PANEL G	7.6	50/2	1	2	30/1	2.88	NEMA 5–30 RECEPTACLE
			3	4			SPACE
50 AMP 240 VOLT RECEPTACLE	9.6	50/2	5	6			SPACE
NEMA 6–50R			7	8			SPACE
NEMA 5–20 RECEPTACLES	0.9	20/1	9	10			SPACE
NEMA 5–20 RECEPTACLES	1.1	20/1	11	12	20/1	0.18	NEMA 5–20 RECEPT.– COMPRESSOR
AIR COMPRESSSOR – 3 HP	4.78	50/2	13	14	20/1		SPARE
			15	16	20/1		SPARE
50 AMP 240 VOLT RECEPTACLE	9.6	50/2	17	18	20/1		SPARE
			19	20	20/1		SPARE
NEMA 5–30 RECEPTACLE	2.88	30/1	21	22	20/1		SPARE
SPARE		20/1	23	24	50/		SPARE
SPARE		20/1	25	26	/2		
SPACE			27	28	20/1		SPARE
SPACE			29	30	20/1		SPARE

CONNECTED LOAD:	39.6	KVA	165 A
DEMAND LOAD:	39.6	KVA	165 A
DEMAND + CONT.	40.8	KVA	170 A
DATE:			
REV:			

REMARKS:
FAULT CURRENT BASED ON 50 KVA 1.0% Z TRANSFORMER

PANEL: G

PROJECT: DOUBLE BAY SREB
LOCATION:
LUGS ■ CB □ | SURF ■ FLSH □ | THRUFEED LGS □ SHNT TRP □ SBFD LGS □ | SUBFEED BKR □ ISO GRND BAR □ SOLID NEUTRAL ■

120/240 VOLTS — 1 PH 3 WIRE — 100 AMP — 22,000 AIC

CIRCUIT DESCRIPTION	KVA	AMP	CKT	CKT	AMP	KVA	CIRCUIT DESCRIPTION
LIGHTING – FRONT	0.8	20/1	1	2	50/		MOLDED CASE SWITCH W/ INTERLOCK
LIGHTING – REAR	0.8	20/1	3	4	/2		(1) (2) (3)
LIGHTING – WORKBENCH & EXTERIOR	1.5	20/1	5	6	60/		MOLDED CASE SWITCH W/ INTERLOCK
PADDLE FAN & UNIT HEATER #1	0.8	20/1	7	8	/2		(1) (2) (3)
UNIT HEATER #2	0.7	20/1	9	10	20/1	0.8	DAY TANK PUMP
VEHICLE FUEL PUMP (BY OTHERS)	1.4	15/	11	12	20/1	0.8	DAY TANK PUMP
		/2	13	14	20/1		SPARE
SPACE			15	16			SPACE

CONNECTED LOAD:	7.6	KVA	32 A
DEMAND LOAD:	7.6	KVA	32 A
DEMAND + CONT.	8.8	KVA	36 A
DATE:			
REV:			

REMARKS:

NOTES:
(1.) PROVIDE INTERLOCK DEVICE AND DEVICES TO SECURE THE SWITCHES IN THE PANEL AS REQUIRED FOR BACK–FED CIRCUIT BREAKERS USED AS MAIN DEVICES
(2.) LABEL SWITCH G–2/4 "UTILITY POWER" & SWITCH G–6/8 "GENERATOR"
(3.) AT CONTRACTORS OPTION, PROVIDE INSTEAD A 60–AMP 250–VOLT NON FUSED DOUBLE–POLE DOUBLE–THROW TRANSFER SWITCH "SQUARE–D CATALOG NO. DTU222, OR CUTLER–HAMMER CATALOG NO. DT222UGH, OR APPROVED EQUAL.

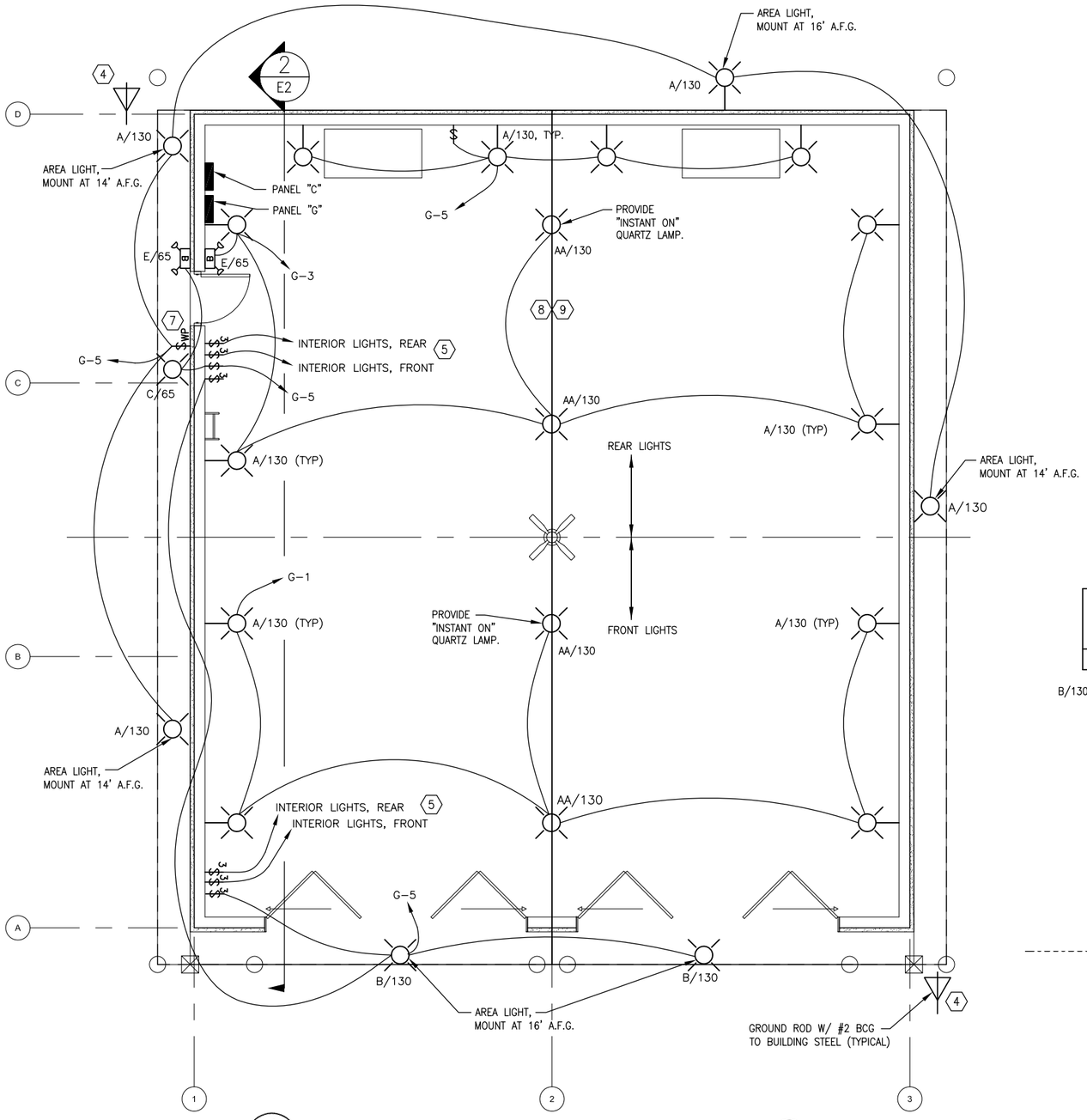
PLANS PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3–02–0480–002–2011
SNOW REMOVAL EQUIPMENT BUILDING
ELECTRICAL SCHEDULES

DATE: 11/15/2010
SHEET: E1 OF E4

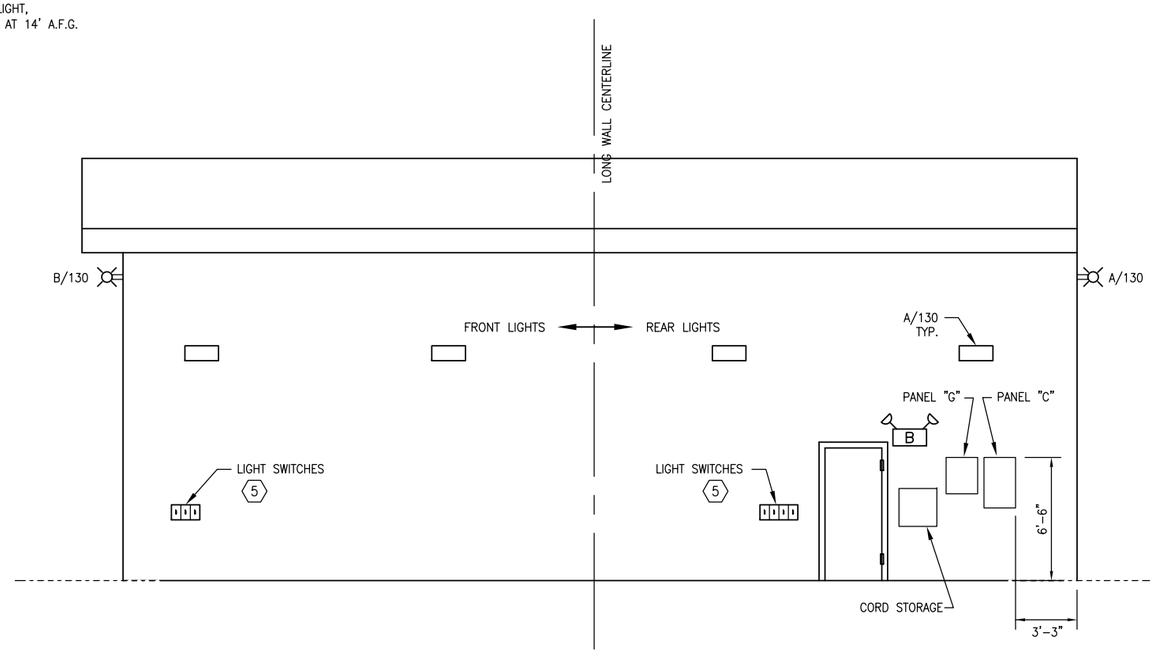


1 / E2 LIGHTING PLAN
1/8" = 1'-0"

NOTE: REFER TO AIRPORT LIGHTING SHEETS FOR METER PANEL LOCATION AND DETAIL.

ELECTRICAL NOTES – SHEETS E2 & E3

1. 120-VOLT POWER FOR COMPRESSOR CRANKCASE HEATER AND AUTOMATIC CONDENSATE DRAIN CONTROL TO BE CONNECTED TO NEMA-5-20 RECEPTACLE NEXT TO COMPRESSOR.
2. ALL CONDUITS IN THE BUILDING, PASSING THROUGH THE ZONE FROM THE FLOOR TO 1.5' ABOVE THE FLOOR, SHALL BE RMC AND SHALL HAVE A SEAL FITTING LOCATED 18" MINIMUM ABOVE THE FLOOR. THE BUILDING ELECTRICAL INSTALLATION SHALL COMPLY WITH NEC ARTICLE 511 "COMMERCIAL GARAGES, REPAIR AND STORAGE, MINOR REPAIR GARAGE".
3. NOT USED
4. INSTALL A MINIMUM OF 50' OF #3/0 AWG BCG IN FOUNDATION FOOTING. GROUNDING ELECTRODE SYSTEM IS TO BE BONDED TO 3/4"x10' GROUND ROD, THE BUILDING STEEL FRAME AND TO THE FOOTING GROUND WITH A #2 AWG CONDUCTOR AT THE SERVICE ENTRANCE. SERVICE EQUIPMENT – NEMA-3R.
5. SWITCHES FOR LIGHT FIXTURES TO HAVE LOCATOR LIGHTS IN TOGGLE.
6. FOR ALL EXTERIOR WIRING AND INTERIOR WIRING BELOW 10 FT ABOVE FINISH FLOOR, USE RIGID STEEL CONDUIT. IMC AND EMT CONDUIT MAY BE USED 10 FT A.F.F. WITHIN THE BUILDING ENVELOPE.
7. CONTROL SWITCH FOR AREA LIGHT FIXTURE: PROVIDE A 0-60 MINUTE SPRING MOTOR INTERVAL TIMER WITHOUT HOLD IN A NEMA 3R ENCLOSURE (INTERMATIC MODEL FD60M IN A MIDWEST ELECTRIC POWER OUTLET U010010 ENCLOSURE). ROUTE CIRCUIT THROUGH PHOTOCELL MOUNTED 10 FEET A.F.F. FACING NORTH.
8. ROTATING BEACON ON ROOF (BY OTHERS).
9. RADIO CONTROLLER ANTENNA ON ROOF (BY OTHERS).
10. PROVIDE MINIMUM 18 INCH LIQUIDTIGHT FLEXIBLE METAL CONDUIT SLACK LOOP AT ALL CONDUIT TRANSITIONS FROM UNDERGROUND TO ABOVE GROUND TO ACCOMODATE DIFFERENTIAL MOVEMENT.



2 / E2 INTERIOR ELEVATION
1/8" = 1'-0"

PLANS PREPARED BY MBA CONSULTING ENGINEERS, INC.

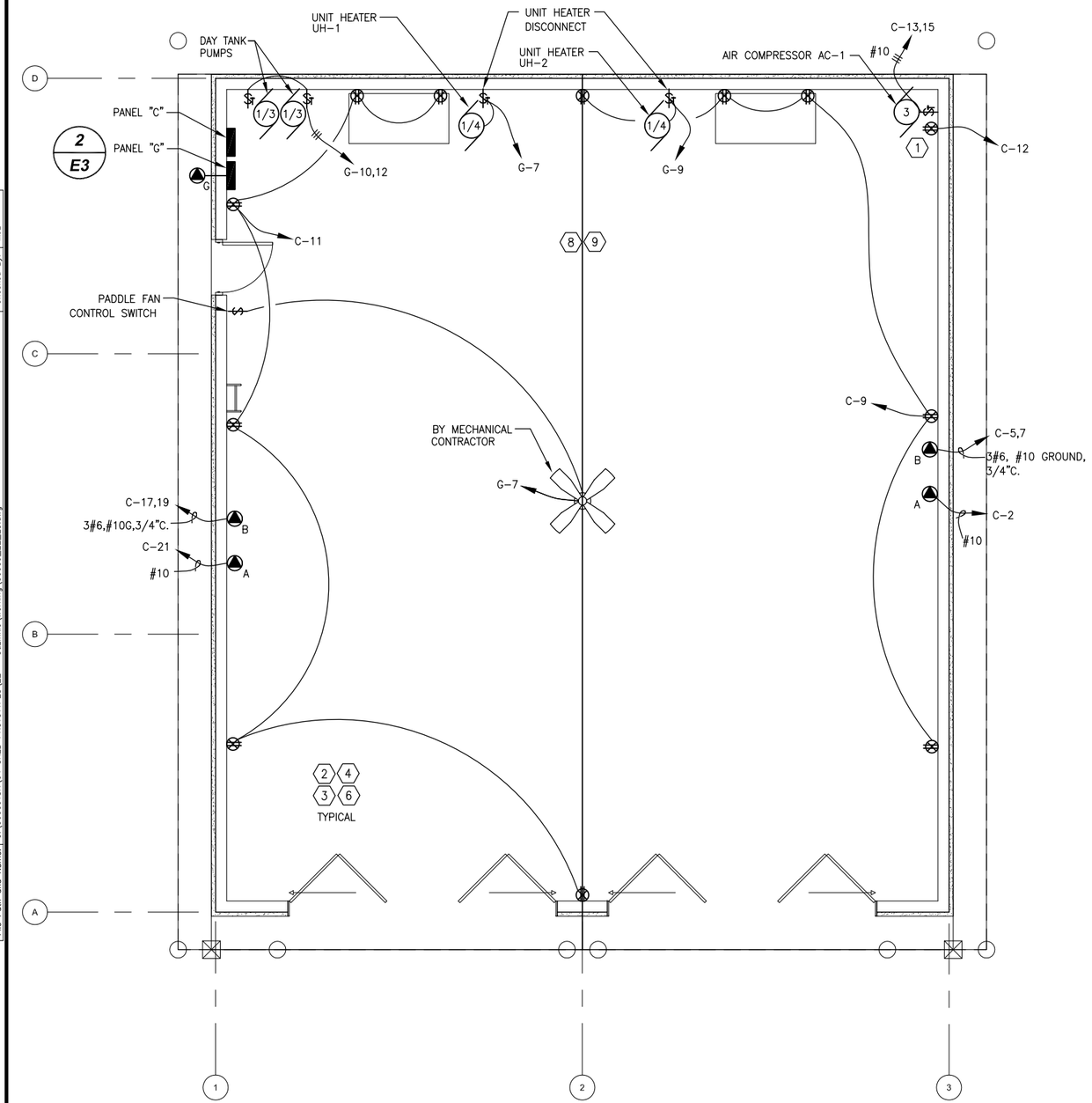
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
LIGHTING PLAN AND INTERIOR ELEVATION

DATE: 11/15/2010
SHEET: E2 OF E4

Designed By: REA
Drawn By: DMH
Checked By: MJL
Date Revised:
Layout Name: Cover
File Path and Name: G:\06009TSR\04 SREB PROTOTYPES\22 - Ouzinkie Working\06009_22_E2.dwg
11/12/2010, 1:08 PM

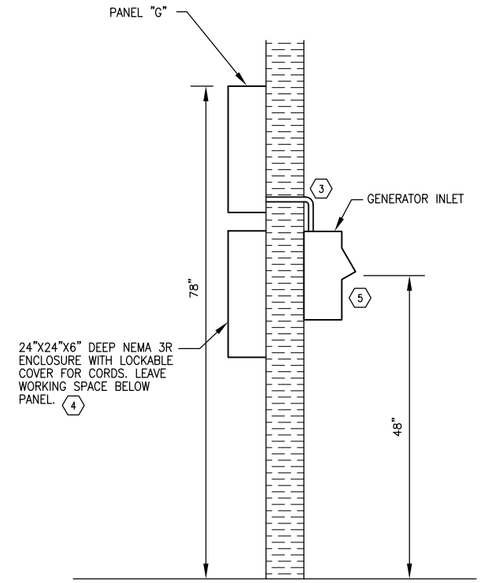


1 E3 POWER PLAN

1/8" = 1'-0"

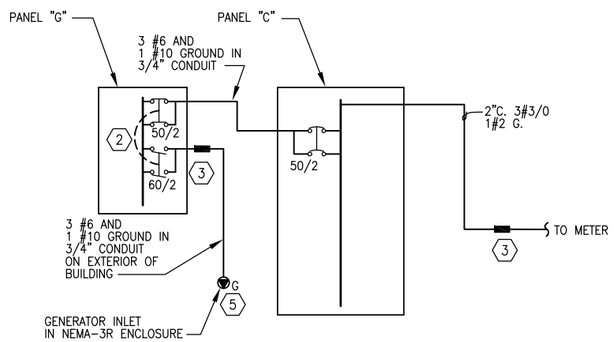
NOTES:

1. SEE ELECTRICAL NOTES FOR THIS DETAIL ON SHEET E2.
2. REFER TO AIRPORT LIGHTING SHEETS FOR METER PANEL LOCATION AND DETAIL.



2 E3 PANEL "G" - GENERATOR INLET ELEVATION

NTS



3 E3 ONE LINE POWER DIAGRAM

NTS

DETAIL 2 & 3 NOTES:

1. NOT USED.
2. INTERLOCKED MOLDED-CASE SWITCH & CIRCUIT BREAKER WITH HOLD DOWN BRACKETS. OR 60-AMP 250-VOLT NON-FUSED DOUBLE-POLE DOUBLE-THROW TRANSFER SWITCH "SQUARE-D CATALOG NO. DTU222 OR APPROVED EQUAL.
3. SEAL CONDUIT PENETRATION ON INSIDE AND OUTSIDE BETWEEN THE INTERIOR AND EXTERIOR OF THE BUILDING WITH DUX SEAL.
4. PROVIDE A 20-FOOT "ARCTIC" POWER CORD CONTAINING THREE #8 AWG POWER CONDUCTORS AND ONE #10 AWG GROUND CONDUCTOR WITH A CS63-64C* CONNECTOR ON ONE END AND A CS63-65C* PLUG ON THE OTHER. PROVIDE THE FOLLOWING 36-INCH LONG ADAPTER CORDS.
   - (A) 1-4C #10 POWER CORD WITH A CS63-64C* CONNECTOR ON ONE END AND A NEMA-L14-30 PLUG ON THE OTHER.
   - (B) 1-4C #12 POWER CORD WITH A CS63-64C* CONNECTOR ON ONE END AND A NEMA-L14-20 PLUG ON THE OTHER. PROVIDE WALL CABINET NEXT TO PANEL-G TO STORE THE CORDS.
5. MOUNT A CS63-75C* (MALE) GENERATOR FLANGED INLET IN A NEMA-3R GALVANIZED/PAINTED ENCLOSURE WITH THE INLET 48 INCHES ABOVE THE FLOOR LEVEL - MIDWEST ELECTRIC PRODUCTS CAT. NO. U050N OR APPROVED EQUAL. (OTHER ACCEPTED MANUFACTURERS - GE, CROUSE-HINDS).

* CALIFORNIA STANDARD 125/250-VOLT, 3-POLE, 4-WIRE, NON-NEMA, 50-AMP WIRING DEVICE, LEVITON CATALOG # AS SHOWN, OR APPROVED EQUAL. (OTHER ACCEPTED MANUFACTURERS - CROUSE-HINDS, APPLETON).

Designed By:	REA	
Drawn By:	DMH	
Checked By:	MJL	
Date Revised:	11/12/2010, 1:08 PM	
Layout Name:	Cover	
File Path and Name:	G:\06009TSR\04 SREB PROTOTYPES\22 - Ouzinkie Working\06009_22_E3.dwg	

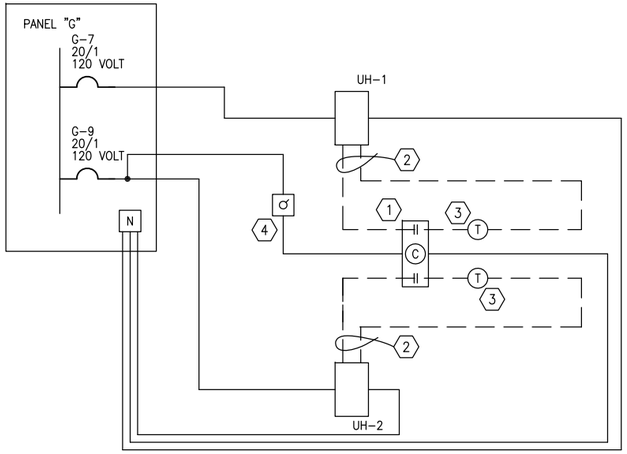
BY	DATE	REVISION

PLANS PREPARED BY MBA CONSULTING ENGINEERS, INC.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
POWER PLAN AND DETAILS

DATE: 11/15/2010
SHEET: E3 OF E4



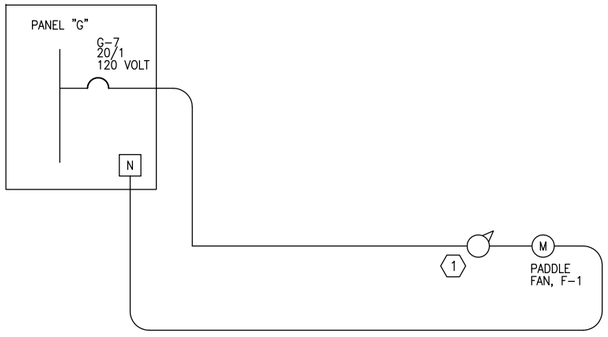
1 / E4 **HEATING CONTROL WIRING DIAGRAM**
NTS

NOTES:

1. PLUG-IN RELAY WITH 120V COIL, DPDT CONTACTS, SCREW TERMINAL BASE. SQUARE D CLASS 8501 KU12V120 RELAY, NR82 BASE, NH82 HOLD DOWN CLIP. WALL MOUNT IN WEATHERPROOF ENCLOSURE.
2. THERMOSTAT WIRE – CAN RUN EXPOSED BUT MUST BE STAPLED TO WAINSCOT 24 INCHES O.C.
3. THERMOSTAT FOR UNIT HEATER – NON MERCURY TYPE.
4. SPRING-MOTOR TIME INTERVAL SWITCH, BY DIV. 15, WITHOUT HOLD WITH NORMALLY OPEN ISOLATED CONTACT RATED 10 AMPS @ 120 VOLTS – TIME INTERVAL 0-4 HOURS. MOUNT NEXT TO LATCH SIDE OF MAN-DOOR 66 INCHES A.F.F., SEE NOTE 5 BELOW. PROVIDE SIGN THAT READS "HEAT CONTROL TIMER – HEATERS WILL RUN WHEN TIME REMAINING IS GREATER THAN ZERO".
5. SEQUENCE OF OPERATION:

   THE CONTACTS IN THE TIME SWITCH (4) CLOSE WHEN THE SWITCH IS SET TO ANY TIME GREATER THAN ZERO. RELAY CONTACTS (1) CLOSE WHEN TIME SWITCH CONTACTS CLOSE. CONNECT RELAY CONTACTS IN SERIES WITH THERMOSTAT.

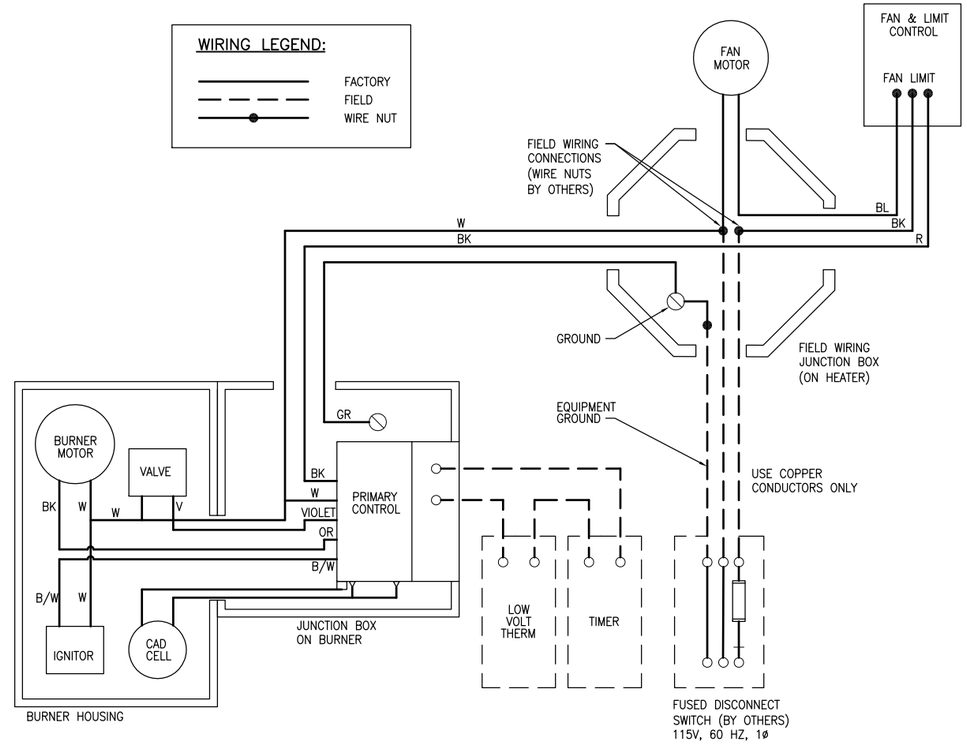
   WHEN THE TIMER SWITCH (4) TIMES OUT, ITS INTERNAL CONTACT OPENS AND BURNER CEASES OPERATION.



2 / E4 **PADDLE FAN CONTROL DIAGRAM**
NTS

NOTES:

1. ELECTRONIC SPEED CONTROL – SUPPLIED OR RECOMMENDED BY THE PADDLE FAN MANUFACTURER.



ALL WIRING MUST CONFORM TO NATIONAL ELECTRIC CODE NFPA#70 AND APPLICABLE LOCAL CODES

SINGLE PHASE, INTERMITTENT IGNITION LOW VOLTAGE THERMOSTAT

3 / E4 **UNIT HEATER WIRING DIAGRAM**
NTS

Designed By:	REA
Drawn By:	DMH
Checked By:	MJL
Date Revised:	11/12/2010, 1:08 PM
Layout Name:	Cover
File Path and Name:	G:\06009TSR\04 SREB PROTOTYPES\22 - Ouzinkie\Working\06009_22_E4.dwg

PLANS PREPARED BY MBA CONSULTING ENGINEERS, INC.

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
HEAT CONTROLS & POWER DETAILS

DATE: 11/15/2010
SHEET: E4 OF E4

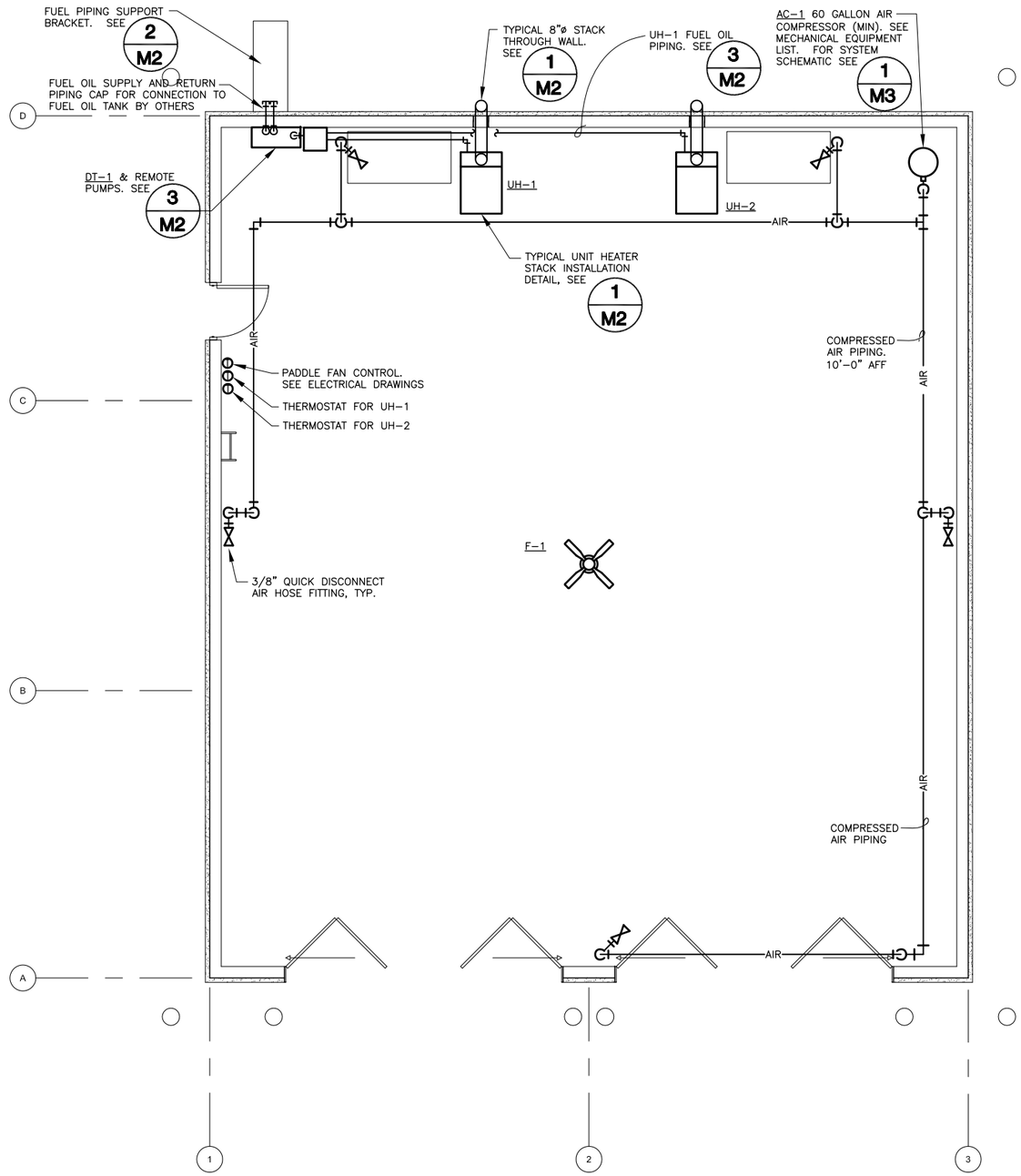
MECHANICAL EQUIPMENT LIST

TAG	DESIGN BASIS PRODUCT
AC–1	AIR COMPRESSOR: INGERSOLL RAND T30–2340–L5–3, 60 GALLON MINIMUM, 9.0 ACFM @ 175 PSI, 3 HP, 1.15 SF, 230/1PH/60 HZ, CRANKCASE HEATER, LOW OIL LEVEL CUTOUT, AIR FILTER AND PRESSURE REGULATOR, AUTOMATIC CONDENSATE DRAIN W/ HIGH MOUNT ELECTRIC CONDENSATE DRAIN EDV–2000. HOSE REEL: AUTO RETRACTABLE REELCRAFT MODEL NO. 2Z862 LOW PRESSURE, 50 FOOT, 3/8"
UH–1 UH–2	UNIT HEATER: MODINE POR185, #1 DIESEL/FUEL OIL, 1.65 GPH, 231 MBTUH INPUT/184 MBTUH OUTPUT, 3200 CFM @ 56 FOOT THROW, 1/4 HP, 1100 RPM, 115V/1PH/60 HZ, TIMER: INTERMATIC FF34H. T–STAT: HONEYWELL T631C1103.
F–1	PADDLE FAN: GRAINGER/DAYTON MODEL #4C852, 36 INCH, 12,500 CFM @ 395 RPM, 78VA, 120V/1PH/60 HZ, GRAINGER DAYTON MODEL #1AGU6 SPEED SWITCH
DT–1	DAY TANK: SIMPLEX SST SERIES W/ PCB 1 CONTROLS, WALL MOUNT, 10 GALLON CAPACITY, GRAVITY FEED TO UNIT HEATER, DUPLEX REMOTE FUEL PUMPS – 1/3 HP MOTOR, 115V/60HZ/1PH, 063 VENT CAP

NOTE: FURNISH AND INSTALL MAKES AND MODELS CITED HERE OR IN THE SPECIFICATIONS OR APPROVED EQUALS

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
⋈	QUICK DISCONNECT AIR VALVE
⋈	ISOLATION VALVE
⋈	FUSIBLE VALVE
—F—	FUEL PIPING – SUPPLY & RETURN
—AIR—	AIR COMPRESSOR LINE – BLACK IRON
UH	UNIT HEATER
⋈	OIL SAFETY VALVE



1/M1 DOUBLE BAY FUEL PIPING AND HEATING FLOOR PLAN
1/4" = 1'–0"

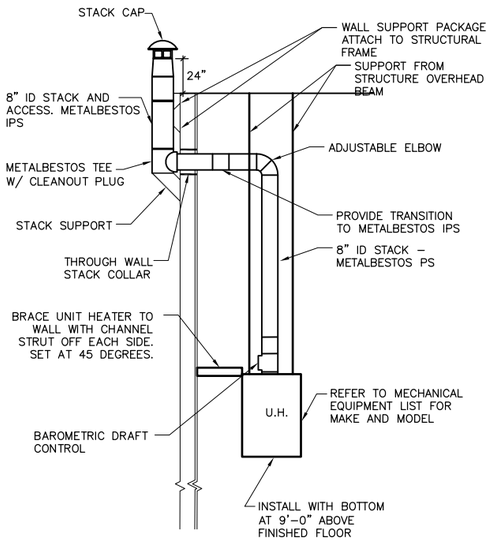
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

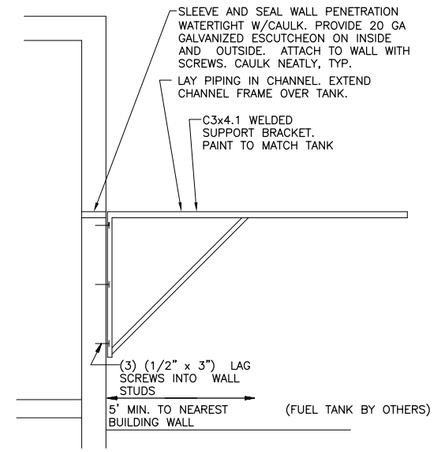
OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
FUEL PIPING & HEATING FLOOR PLAN

DATE: 11/15/2010
SHEET: M1 OF M3

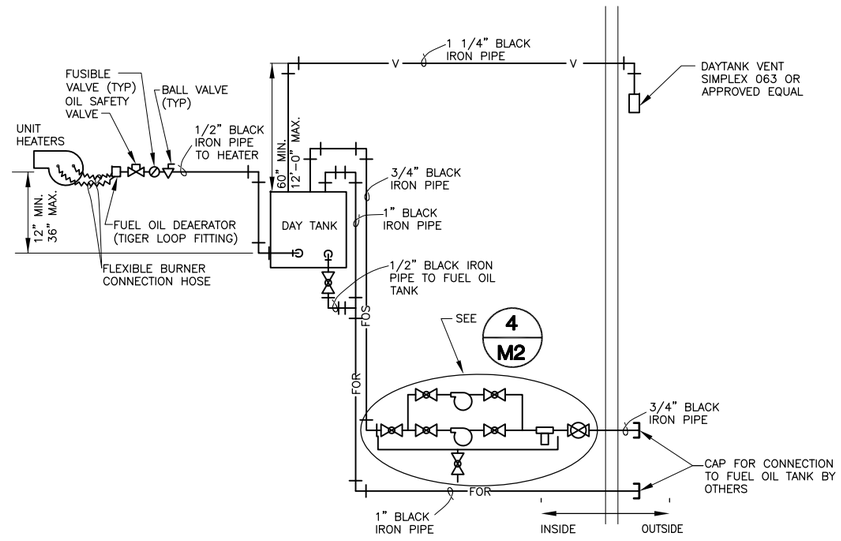
Designed By: TLC
Drawn By: TLC
Checked By: BSS
Date Revised: 11/12/2010, 12:43 PM
Layout Name: Cover
File Path and Name: G:\06009TSR\04 SREB PROTOTYPES\22 – Ouzinkie\Working\06009_22_M1.dwg



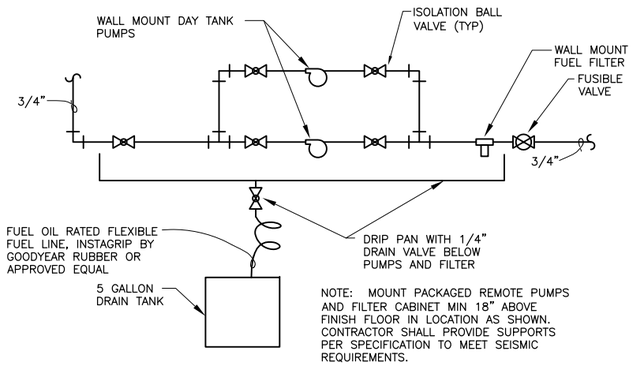
1 / M2 UNIT HEATER STACK INSTALLATION
NTS



2 / M2 FUEL PIPING SUPPORT BRACKET
NTS



3 / M2 UNIT HEATER FUEL OIL PIPE ONE-LINE
NTS



4 / M2 DAY TANK PUMP ASSEMBLY DETAIL
NTS

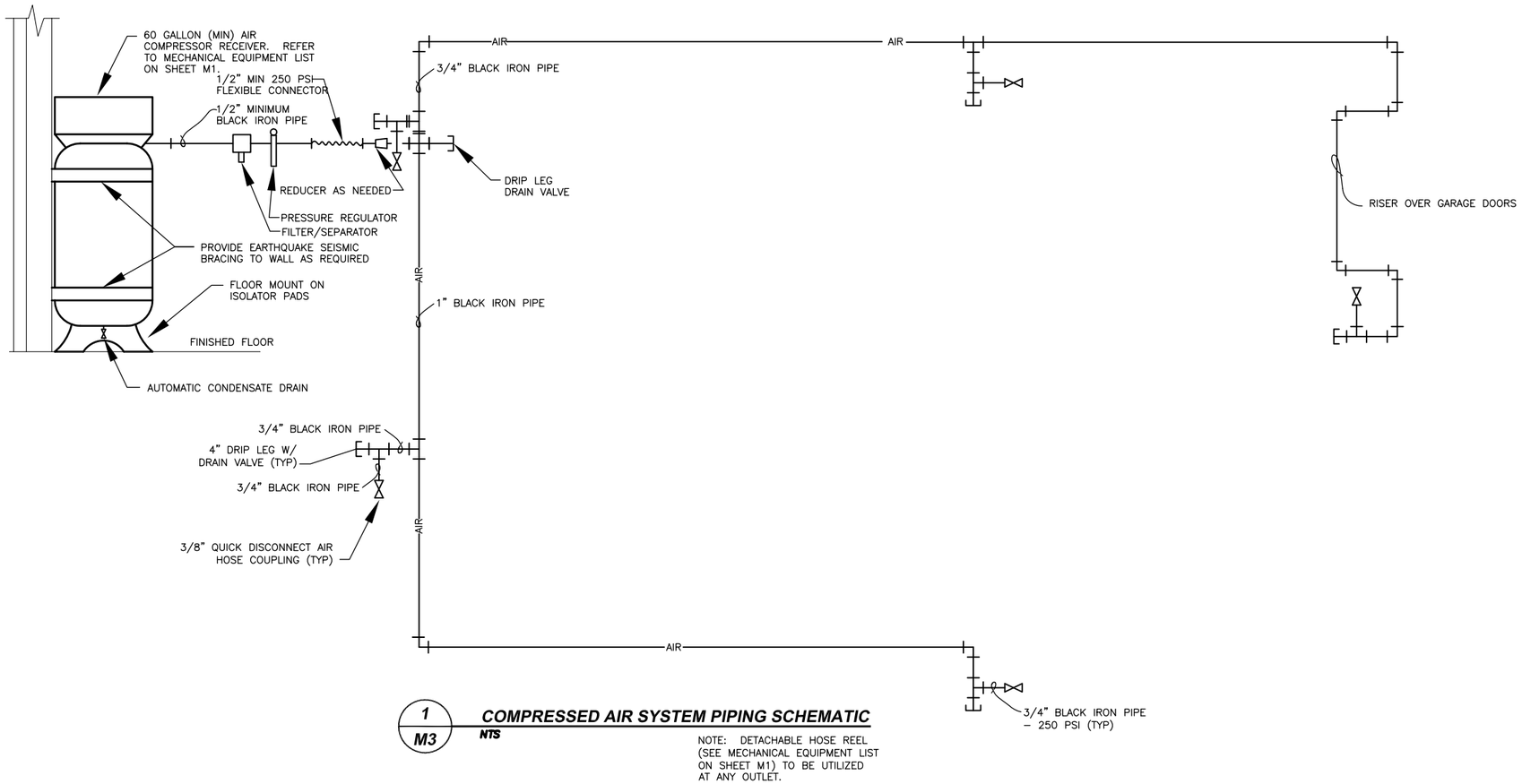
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING DETAILS

DATE: 11/15/2010
SHEET: M2 OF M3

Designed By: TLC
Drawn By: TLC
Checked By: BSS
Date Revised: 11/12/2010, 12:43 PM
Layout Name: Cover
File Path and Name: G:\06009TSR\04 SREB PROTOTYPES\22 – Ouzinkie\Working\06009_22_M2.dwg



1/M3 **COMPRESSED AIR SYSTEM PIPING SCHEMATIC**
NTS

NOTE: DETACHABLE HOSE REEL (SEE MECHANICAL EQUIPMENT LIST ON SHEET M1) TO BE UTILIZED AT ANY OUTLET.

BY	DATE	REVISION

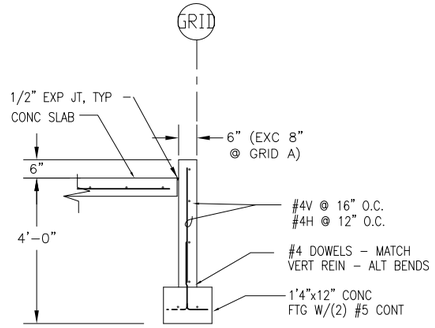
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
AIR COMPRESSOR SCHEMATIC

DATE: 01/15/2010
SHEET: M3 OF M3

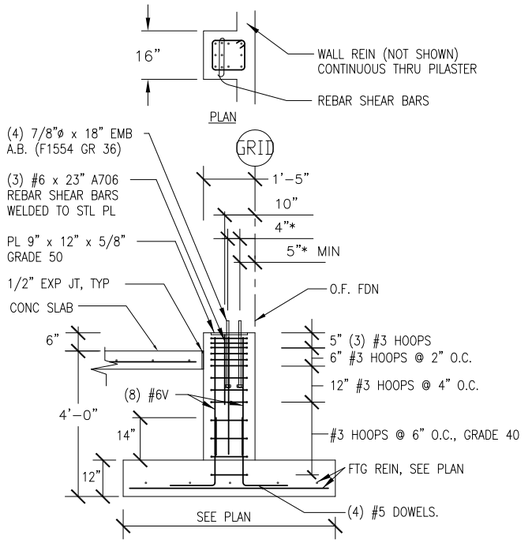
Designed By: TLC
Drawn By: TLC
Checked By: BSS

Date Revised: 11/12/2010, 12:44 PM
Layout Name: Cover
File Path and Name: G:\06009TSR\04 SREB PROTOTYPES\22 - Ouzinkie\Working\06009_22_M3.dwg



1 S1 PERIMETER FOUNDATON DET

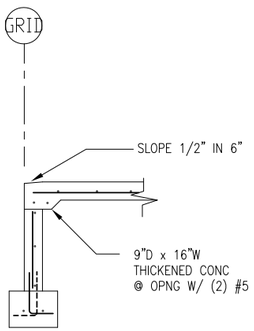
SCALE 1/2"=1'-0"



* COORD W/ PEMB MFG

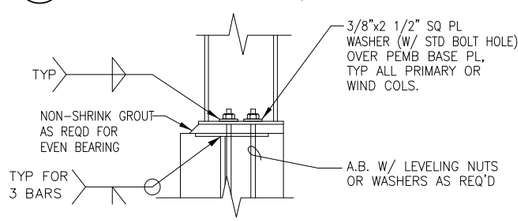
2 S1 COL PILASTER DET

SCALE 1/2"=1'-0"



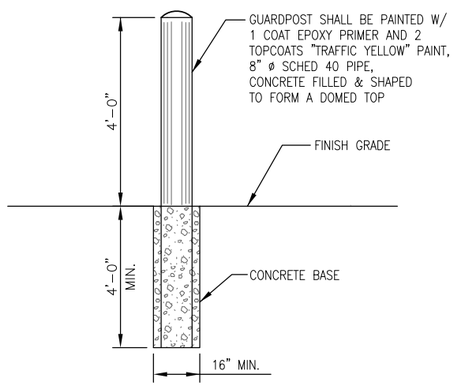
3 S1 SECTION @ OPNG

SCALE 1/2"=1'-0"



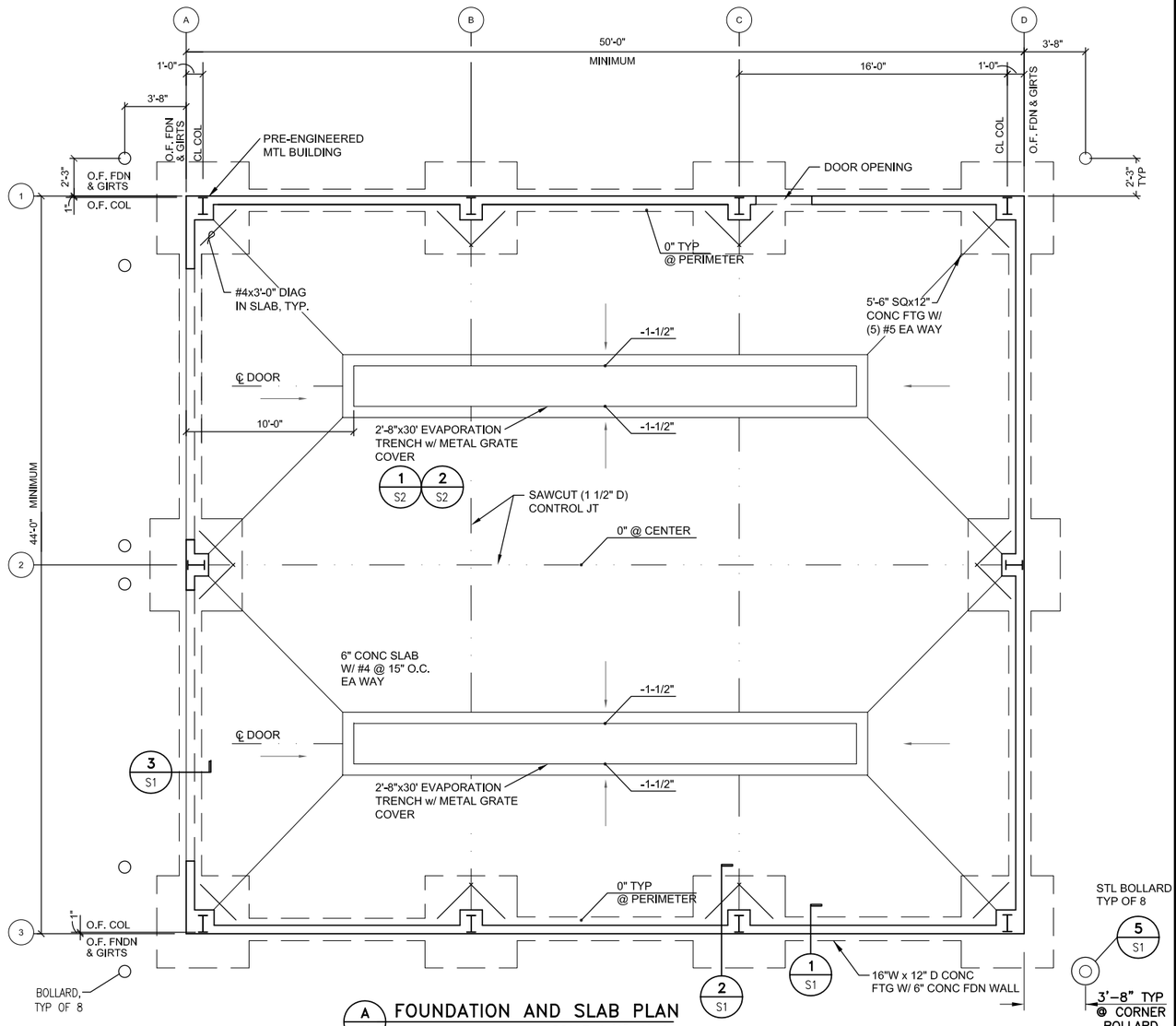
4 S1 BASE PL DET

SCALE 1"=1'-0"



5 S1 BOLLARD DET

SCALE: NTS



A S1 FOUNDATION AND SLAB PLAN

SCALE 1/4"=1'-0"

THE FOLLOWING NOTES APPLY UNLESS INDICATED OTHERWISE:

CODE:

INTERNATIONAL BUILDING CODE (IBC), LATEST EDITION ADOPTED BY THE STATE OF ALASKA INCLUDING ANY AMENDMENTS.

DESIGN LIVE LOADS:

ROOFAS PER REGIONAL REQUIREMENTS
PER IBC OR OTHER LOCALLY RECOGNIZED SOURCES
I= 1.0, Ce = 1.0, Ct = 1.0

SNOW DRIFT ASCE 7, SECTION 7 CHAPTER 16

FLOORS 200 PSF

WIND 130 MPH 3-SECOND GUST
EXPOSURE D, **I** = 1.0

SEISMIC AS PER REGIONAL REQUIREMENTS PER IBC
SEISMIC DESIGN CATEGORY D
SITE CLASS D, Cs = 0.154 (ASD)

FOUNDATIONS:

FOUNDATION DESIGN BASED ON A MINIMUM BEARING CAPACITY OF 2000 PSF. THE AREA BENEATH THE BUILDING, AND TO 5' BEYOND THE PERIMETER OF THE BUILDING, SHALL BE EXCAVATED TO BEDROCK. THE CONTRACTOR SHALL EXCAVATE BELOW TOP OF BEDROCK ELEVATION AS REQUIRED TO PROVIDE 6" TO 12" OF NFS MATERIAL BENEATH THE BOTTOM OF THE FOOTINGS, AND 24" OF NFS MATERIAL BENEATH THE BOTTOM OF THE SLAB.

EXCEPT AS OTHERWISE INDICATED ALL SOILS TO 2' BELOW BOTTOM OF FOOTINGS & SLAB SHALL BE NFS BACKFILL. ALL SOILS BELOW SLABS AND FOOTINGS SHALL BE COMPACTED TO AT LEAST 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557 OR AN EQUIVALENT TEST PROCEDURE. BACKFILL SHOULD BE PLACED AND COMPACTED IN LAYERS HAVING A LOOSE THICKNESS OF NOT MORE THAN 8" AND SHOULD EXTEND LATERALLY BEYOND THE OUTSIDE EDGE OF THE FOOTING FOR A HORIZONTAL DISTANCE OF AT LEAST ½ OF THE EXCAVATION DEPTH BELOW THE BOTTOM OF THE FOOTING.

REINFORCED CONCRETE:

ALL CONCRETE - F'C = 3,500 PSI, MAXIMUM W/C = 0.50. SUBMIT MIX DESIGN. FOUNDATIONS DESIGNED FOR F'c = 2,500 PSI THEREFOR NO SPECIAL INSPECTION REQUIRED.

UNLESS OTHERWISE NOTED, REINFORCING STEEL SHALL CONFORM TO AASHTO M31, GRADE 60. SUBMIT REINFORCING STEEL SHOP DRAWINGS WITH DETAILS PER ACI 315 MANUAL OF STANDARD PRACTICE. LAP BARS 36 BAR DIAMETER.

ASTM A706, GRADE 60, REINFORCING STEEL SHALL BE USED FOR WELDED OR FIELD-BENT BARS.

CONCRETE COVER:
WALLS 1", EXCEPT 1 ½ WHERE EXPOSED TO WEATHER AND 2" AGAINST EARTH.

FOUNDATION WALLS:

AT CORNERS, PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL BARS, 40 DIA. EACH LEG.

PROVIDE 2- #4 LONGITUDINAL BARS AT TOP OF WALLS. PROVIDE ROUGHENED SURFACE AT CONSTRUCTION JOINTS.

AT FOOTING, PROVIDE VERTICAL DOWELS OF SAME SIZE, NUMBER AND SPACING AS VERTICAL BARS (UNLESS OTHERWISE NOTED IN DETAILS) .

GROUT:
GROUT - 5,000 PSI MINIMUM 7-DAY CUBE STRENGTH PER ASTM C109. GROUT TO BE PREMIXED, NON-SHRINK "MASTERFLOW" BY MASTER BUILDERS OR APPROVED EQUAL. ICBO CERTIFICATION REQUIRED. USE SPECIFIC GROUT MIX RECOMMENDED BY MANUFACTURER FOR EACH GROUT APPLICATION AND FOLLOW MANUFACTURER'S INSTRUCTIONS.

ANCHOR BOLTS:
ANCHOR BOLTS, ASTM A307, OR F1554 GRADE 36, HOT DIP GALVANIZED. SET ALL ANCHOR BOLTS BY TEMPLATE.

MISCELLANEOUS:

REFER TO ARCHITECTURAL DRAWINGS FOR WALL OPENINGS, ARCHITECTURAL TREATMENT AND DIMENSIONS NOT SHOWN.

REFER TO MECHANICAL AND ELECTRICAL DRAWINGS FOR SIZE AND LOCATION OF DUCT OPENINGS, PIPING, CONDUITS, ETC., NOT SHOWN.

VERIFY ALL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE PRIOR TO STARTING WORK AND NOTIFY THE OWNER IMMEDIATELY OF ANY DISCREPANCIES.

PROVIDE TEMPORARY ERECTION BRACING AND SHORING AS REQUIRED FOR STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

STATE OF ALASKA 49TH
Duane H. Anderson CE-4774
Registered Professional Engineer

BY	DATE	REVISION

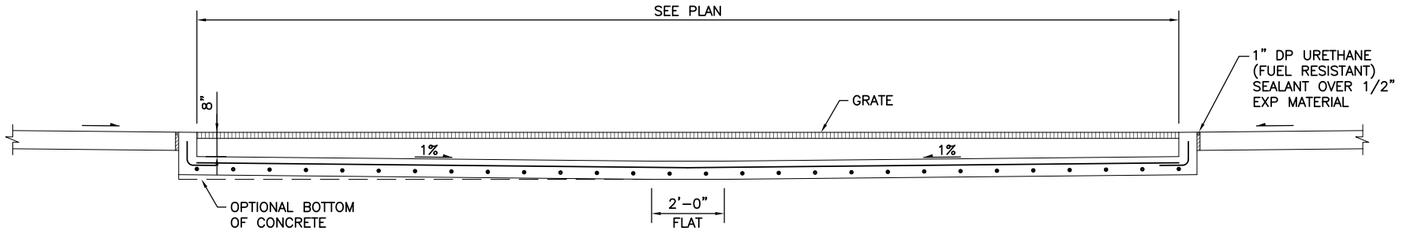
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
FOUNDATION PLAN AND FOOTING DETAILS

DATE: 11/15/2010
SHEET: S1 OF S4

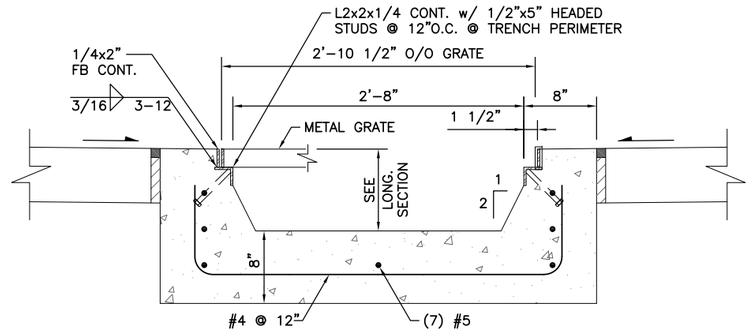
Designed By:
Drawn By:
Checked By:

Date Revised:
Layout Name: Cover
File Path and Name: Z:\project\1346.12 Ouzinkie SREB\Acad_Structural_Acad\1346.12 TWO-BAY-S1.dwg
11/12/2010, 1:49 PM



1 S1 LONGITUDINAL SECTION @ EVAP TRENCH

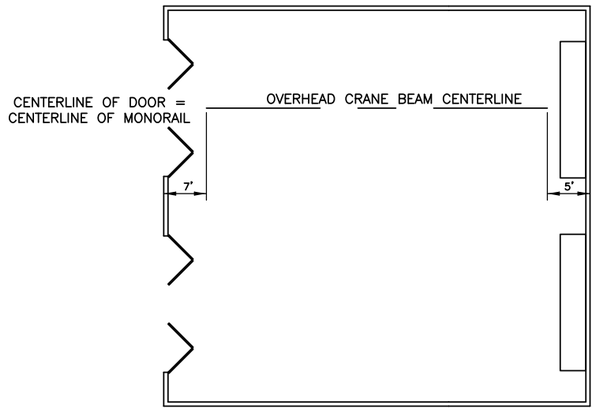
NOT TO SCALE



METAL GRATE:
2"x5/16" BRG BARS @ 1 3/16" C/C, w/WELDED CROSS BARS 3/4"x3/16" @ 4" C/C, ENDS BANDED w/ 1/8" FLAT BAR, HOT DIP GALVANIZED, FABRICATE IN 2' MAX LENGTHS.

2 S1 EVAPORATION TRENCH

NOT TO SCALE



3 S1 OVERHEAD CRANE (MONORAIL)

NOT TO SCALE

STATE OF ALASKA 49TH
Duane H. Anderson
CE-4774
Registered Professional Engineer

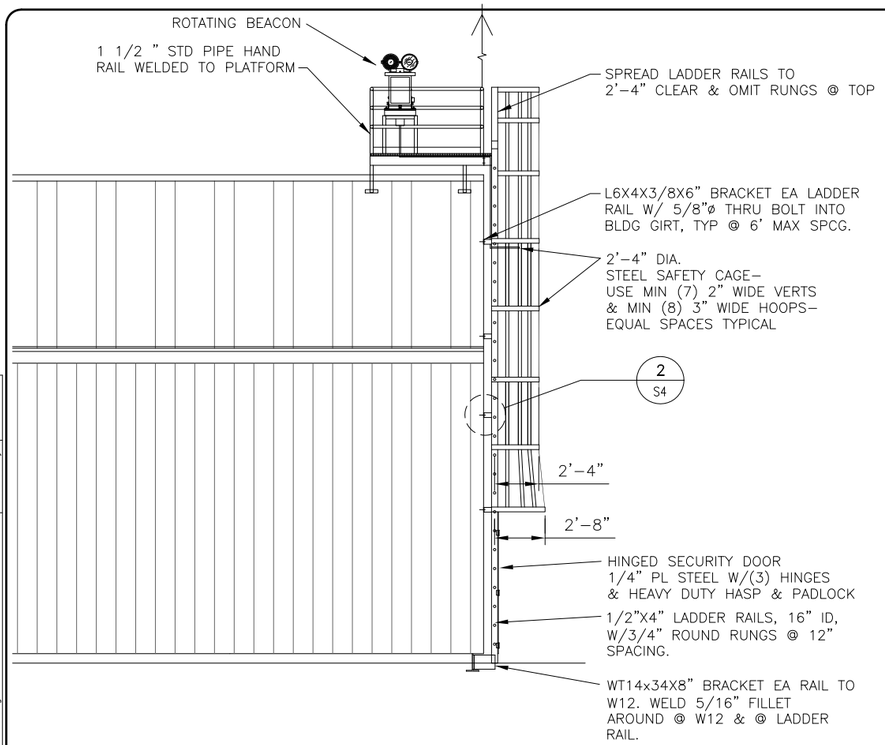
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

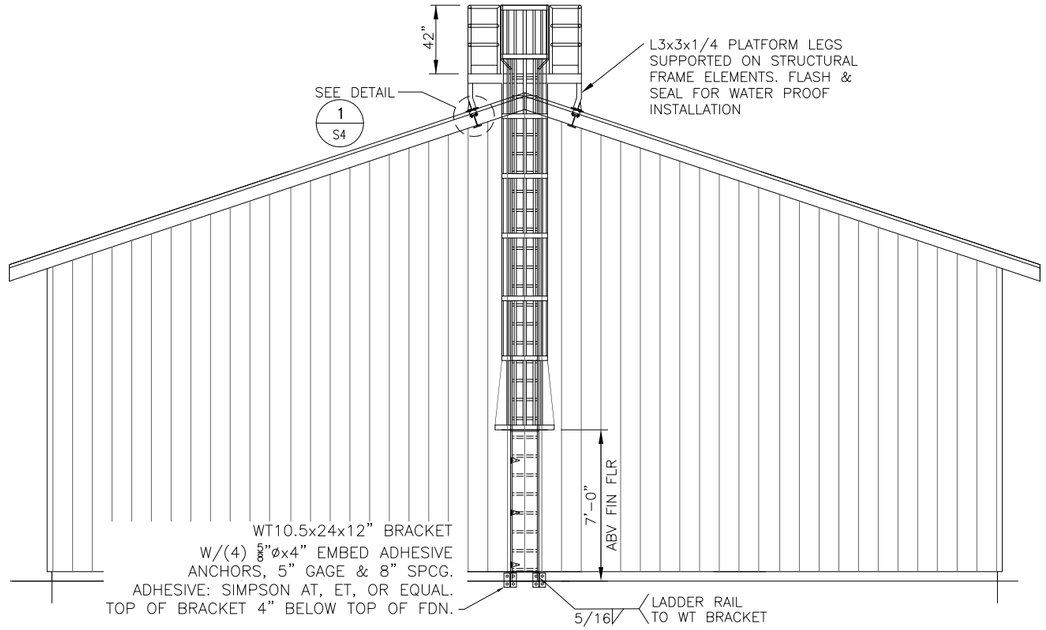
OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
DETAILS

DATE: 11/15/2010
SHEET: S2 OF S4

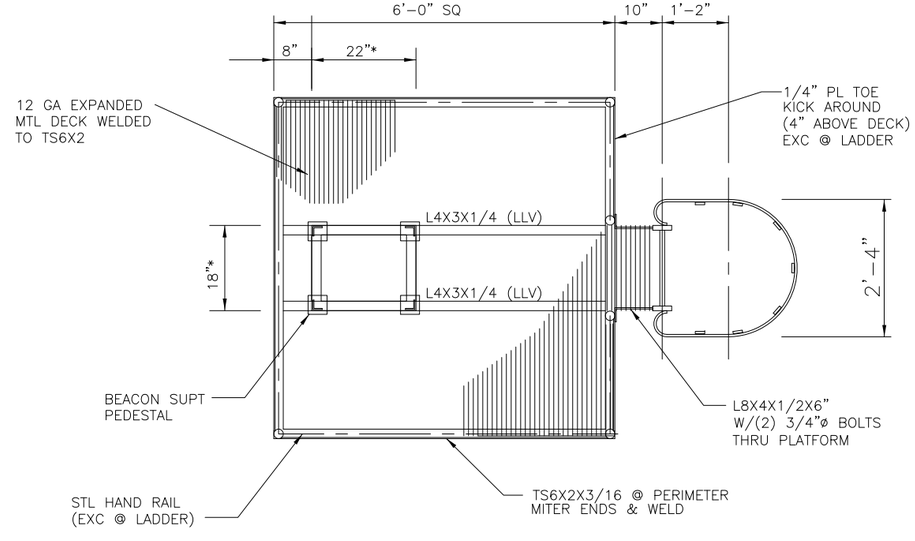
Designed By:
Drawn By:
Checked By:
Date Revised: 11/12/2010, 1:50 PM
Layout Name: Cover
File Path and Name: Z:\project\1346.12 Ouzinkie SREB\Acad_Structural_Acad\1346.12 TWO-BAY-S2.dwg



1 S3 PARTIAL SIDE WALL ELEVATION
SCALE 1/4"=1'-0"

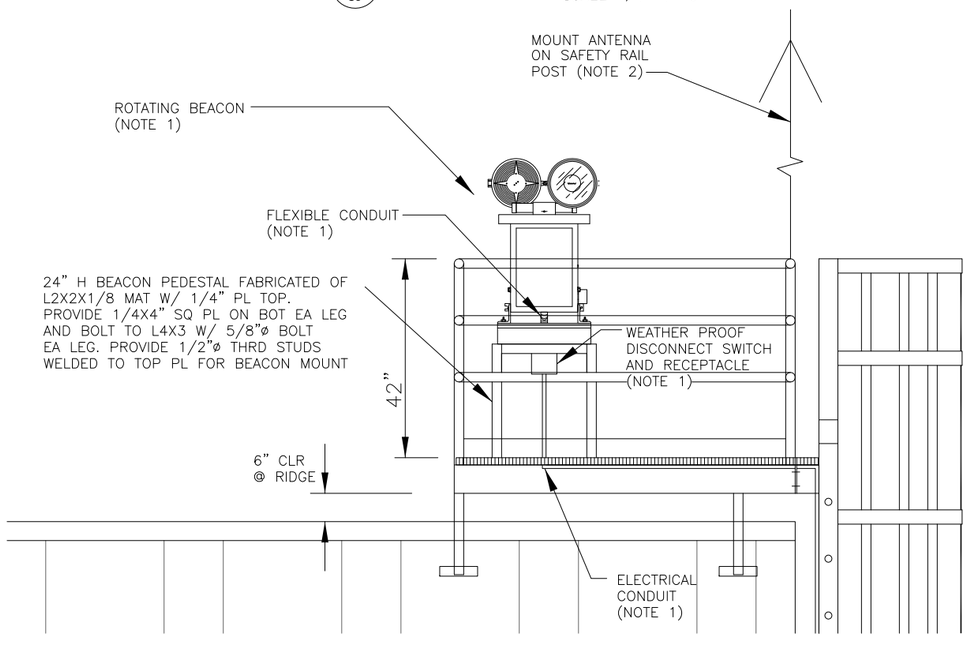


2 S3 END WALL ELEVATION
SCALE 1/4"=1'-0"



* ADJ DIM TO FIT BEACON PEDESTAL

3 S3 BEACON PLATFORM PLAN
SCALE 3/4"=1'-0"



4 S3 BEACON PLATFORM VIEW
SCALE 3/4"=1'-0"

GENERAL NOTES:

1. CONDUIT FOR BEACON WILL BE FASTENED TO THE PLATFORM AND LADDER, AND WILL TERMINATE AT A HANDHOLE FIVE FEET FROM A REAR CORNER OF THE BUILDING. REFER TO AIRFIELD ELECTRICAL DOCUMENTS FOR THE HANDHOLE LOCATION AND FOR SPECIFICATIONS FOR THE BEACON, CONDUIT AND WIRING, AND WEATHERPROOF DISCONNECT SWITCH AND RECEPTACLE.
2. CONDUIT FOR THE ANTENNA WILL BE FASTENED TO THE PLATFORM AND LADDER, AND WILL TERMINATE AT A HANDHOLE FIVE FEET FROM A REAR CORNER OF THE BUILDING. REFER TO AIRFIELD ELECTRICAL DOCUMENTS FOR SPECIFICATIONS FOR THE ANTENNA, CONDUIT AND COAXIAL CABLE.
3. CODES: ALL WORK SHALL BE IN COMPLIANCE WITH THE 2006 INTERNATIONAL BUILDING CODE.
   STEEL SHAPES AND PLATES: SHAPES AND PLATES PER ASTM A36, 36KSI MIN YIELD STRENGTH. PIPE PER ASTM A-53 OR A500, 35 KSI MIN YIELD.
   WELDING: PER AWS D1.1. ALL WELDING SHALL BE PERFORMED BY AWS CERTIFIED WELDERS.
   BOLTS: ASTM A307, HOT DIP GALVANIZED.
   COATINGS: ALL STEEL COMPONENTS OF THE BEACON PLATFORM & LADDER SHALL BE HOT DIP GALVANIZED AFTER FABRICATION PER ASTM A123 OR A153 AS APPLICABLE.
   SUBMITTALS: SUBMIT FABRICATION DRAWINGS, WELDER CERTIFICATES, AND MATERIAL CERTS FOR APPROVAL.
   SPECIAL INSPECTION: PERFORMED BY ENGINEER'S SPECIAL INSPECTOR – 1) ALL WELDS TO RECEIVE VISUAL INSPECTION, AND 2) OBSERVE INSTALLATION OF ADHESIVE ANCHORS.

STATE OF ALASKA 49TH Duane H. Anderson CE-4774 Registered Professional Engineer

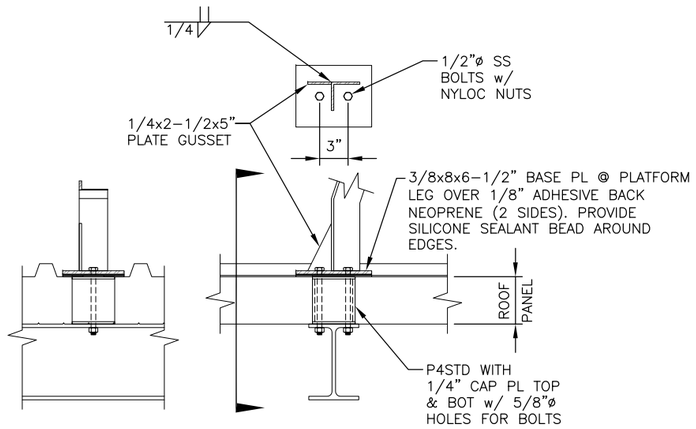
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

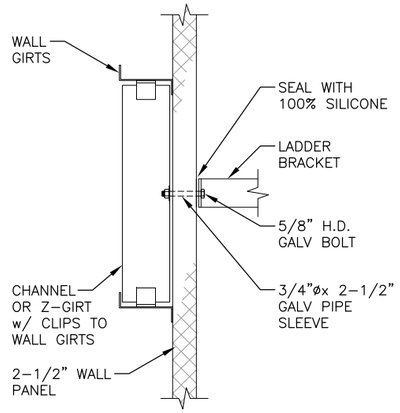
OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
BEACON PLATFORM & LADDER

DATE: 11/15/2010
SHEET: S3 OF S4

Designed By:
Drawn By:
Checked By:
Date Revised:
11/12/2010, 1:51 PM
Layout Name: Layout
File Path and Name: Z:\project\1346.12 Ouzinkie SREB\Acad_Structural_Acad\1346.12 TWO-BAY-S3.dwg



1 S3 PLATFORM CONNECTION DETAIL
SCALE 1-1/2"=1'-0"



2 S3 LADDER MOUNTING DETAIL
SCALE 1-1/2"=1'-0"

STATE OF ALASKA
49TH
Duane H. Anderson
CE-4774
Registered Professional Engineer

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION

OUZINKIE AIRPORT
OUZINKIE, ALASKA
AIRPORT RELOCATION STAGE II
PROJECT No. 52637
AIP No. 3-02-0480-002-2011
SNOW REMOVAL EQUIPMENT BUILDING
BEACON PLATFORM & LADDER DETAILS

DATE: 11/15/2010
SHEET: S4 OF S4

Designed By:
Drawn By:
Checked By:
Date Revised: 11/12/2010, 1:53 PM
Layout Name: S4
File Path and Name: Z:\project\1346.12 Ouzinkie SREB\Acad_Structural_Acad\1346.12 TWO-BAY-S4.dwg