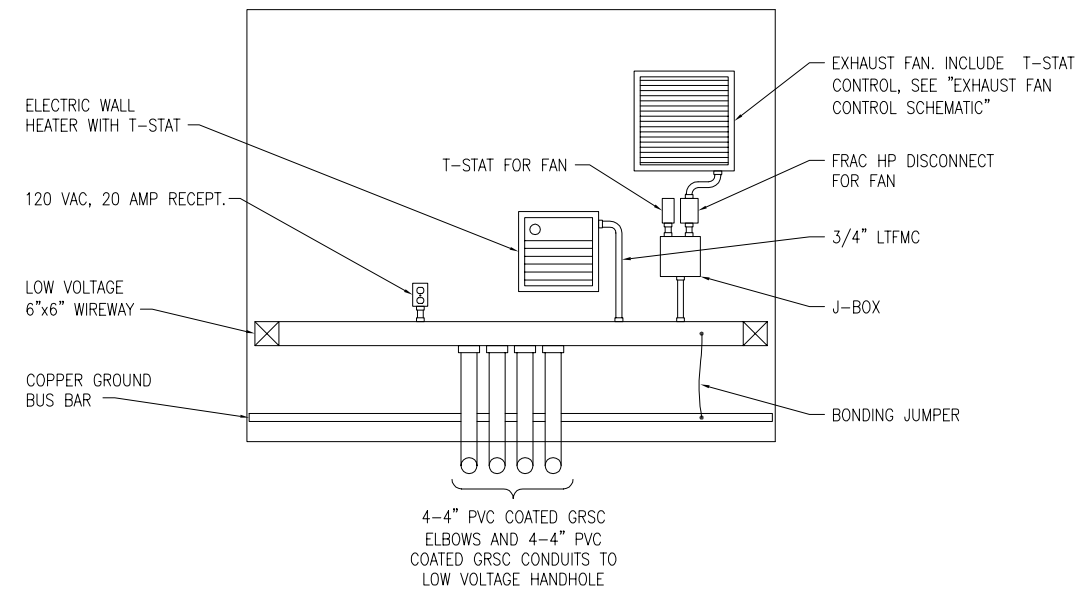


PANEL A SCHEDULE											
DESIGNATION: PANEL A			MAINS: 400 AMP MAIN CIRCUIT BREAKER								
LOCATION: AIRPORT VAULT			BUS SIZE: 400 AMP								
VOLTAGE: 120/240			PANEL MOUNTING: SURFACE								
PHASE: 1 PHASE, 3 WIRE			ALL BREAKERS: 10,000 A.I.C. (MINIMUM)								
CKT. NO.	LOAD DESCRIPTION	KVA	AMPS	POLE	PHASE	CKT. BKR.	AMPS	POLE	KVA	LOAD DESCRIPTION	CKT. NO.
1	PANEL B	4.19	100	2	A					AC SURGE PROTECTOR / TVSS	2
3		4.25			B						4
5	RUNWAY 9-27 CCR	2.81	80	2	A				2.38	RUNWAY 18-36 CCR	6
7		2.81			B				2.38		8
9	TAXIWAY 9-27 CCR	3.44	60	2	A					FUTURE TAXIWAY 18-36 CCR	10
11		3.44			B						12
13	HEATER EH-1	2.00	30	2	A				2.00	HEATER EH-2	14
15		2.00			B				2.00		16
17	AWOS	0.96	30	2	A					SPARE	18
19		0.96			B						20
21	VAULT EXHAUST FAN	1.00	20	1	A				0.55	VAULT INTERIOR LIGHTING	22
23	NON-DIRECTIONAL BEACON (NDB)	2.00	30	1	A				0.05	VAULT EXTERIOR LIGHTING	24
25	VAULT RECEPTACLES	0.54	20	1	A				1.00	L-854 RADIO POWER & CONTROL	26
27	SPARE		30	1	A					SPARE	28
29	SPARE		20	1	A					SPARE	30
31	BLANK				A					BLANK	32
33	BLANK				B					BLANK	34
35	BLANK				A					BLANK	36
37	BLANK				B					BLANK	38
39	BLANK				A					BLANK	40
41	BLANK				B					BLANK	42
TOTAL CONNECTED LOAD:					20.87	19.89	TOTAL =		40.76		

400 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 42 CIRCUIT PANELBOARD WITH 400 AMP, 2 POLE MAIN BREAKER WITH 22,000 AIC AT 240 VAC IN A NEMA 1 ENCLOSURE, UL LISTED SUITABLE FOR SERVICE ENTRANCE. INCLUDE SEPARATE COPPER GROUND BAR KIT. ALL FEEDER AND BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC RATING AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D OR APPROVED EQUAL.

NOTES:

- PANELBOARD BUSES SHALL BE COPPER, NEUTRAL SHALL BE COPPER. EQUIPMENT GROUND BAR SHALL BE COPPER.
- ALL BRANCH CIRCUIT & FEEDER BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC.
- INCLUDE ENGRAVED, PHENOLIC OR PLASTIC LEGEND PLATE LABELED "VAULT SERVICE PANEL A, 120/240 VAC, 1PH, 3W". INCLUDE LEGEND PLATE FOR THE MAIN BREAKER LABELED "SERVICE DISCONNECT".
- PANELBOARD SHALL BE MANUFACTURED IN THE UNITED STATES TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENTS. PROVIDE CERTIFICATION OF MANUFACTURE IN THE UNITED STATES WITH SHIP DRAWING SUBMITTAL.
- CIRCUIT BREAKERS AND WIRING SHALL BE SIZED FOR THE ACTUAL EQUIPMENT FURNISHED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATION AND NEC. CONTRACTOR SHALL ADJUST CIRCUIT BREAKER SIZES & WIRING WHERE APPLICABLE TO CONFORM WITH MFR RECOMMENDATIONS AND NEC.



VAULT NORTH WALL ELEVATION

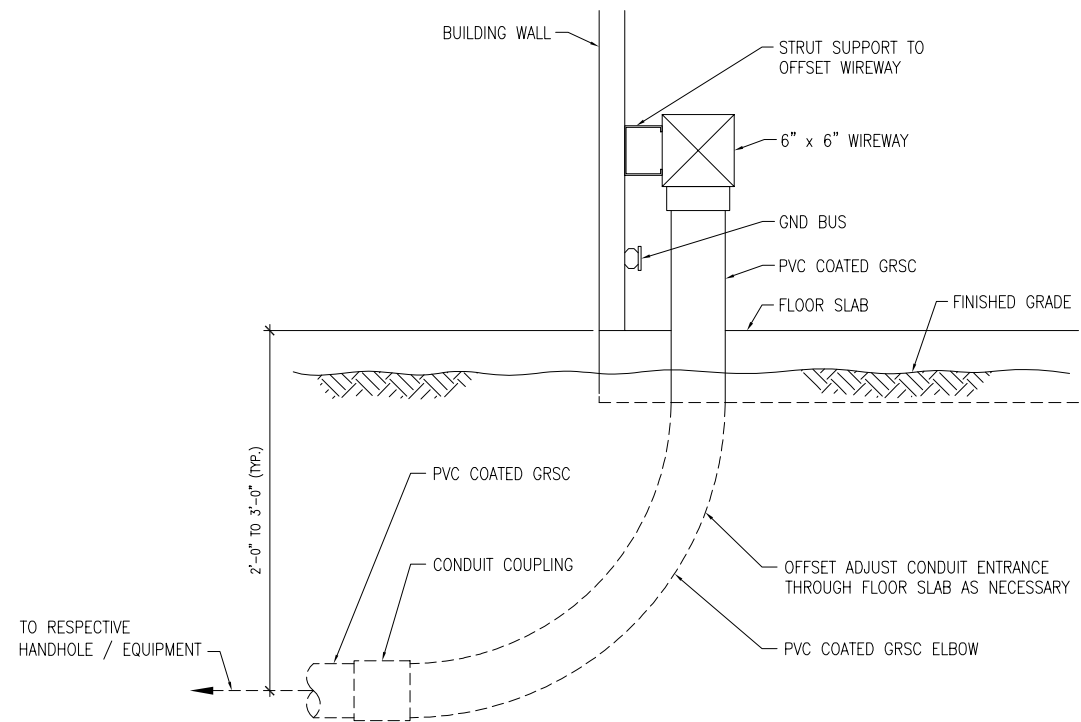
SCALE 1/2"=1'-0"
 1 0 2 4 FEET

PANEL B SCHEDULE											
DESIGNATION: PANEL B			MAINS: 100 AMP			M.L.O.					
LOCATION: AIRPORT VAULT			BUS SIZE: 100 AMP								
VOLTAGE: 120/240			PANEL MOUNTING: SURFACE								
PHASE: 1 PHASE, 3 WIRE			ALL BREAKERS: 10,000 A.I.C. (MINIMUM)								
CKT. NO.	LOAD DESCRIPTION	KVA	AMPS	POLE	PHASE	CKT. BKR.	AMPS	POLE	KVA	LOAD DESCRIPTION	CKT. NO.
1	PLASI 18	1.50	20	1	A				0.75	AIRPORT BEACON	2
3	PLASI 36	1.50	20	1	B				0.75		4
5	PLASI 9	1.50	20	1	A				0.44	APRON LIGHT	6
7	PLASI 27	1.50	20	1	B				0.50	WIND TEE / WIND CONE	8
9	SPARE		20	2	A					SPARE	10
11					B						12
13	SPARE		20	2	A					SPARE	14
15					B						16
17	SPARE		30	2	A					SPARE	18
19					B						20
21	BLANK				A					BLANK	22
23	BLANK				B					BLANK	24
25	BLANK				A					BLANK	26
27	BLANK				B					BLANK	28
29	BLANK				A					BLANK	30
TOTAL CONNECTED LOAD:					4.19	4.25	TOTAL =		8.44		

100 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 30 CIRCUIT PANELBOARD WITH MAIN LUGS IN A NEMA 1 ENCLOSURE. INCLUDE SEPARATE GROUND BAR KIT. ALL BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC RATING AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D TYPE NQ OR APPROVED EQUAL.

NOTES:

- PANELBOARD BUSES SHALL BE COPPER, NEUTRAL SHALL BE COPPER. EQUIPMENT GROUND BAR SHALL BE COPPER.
- ALL BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC.
- PROVIDE LEGEND PLATE FOR PANELBOARD LABELED "PANEL B, 120, 120/240 VAC, 1PH, 3W FED FROM SERVICE PANEL A".
- CIRCUIT BREAKERS AND WIRING SHALL BE SIZED FOR THE ACTUAL EQUIPMENT FURNISHED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATION AND NEC. CONTRACTOR SHALL ADJUST CIRCUIT BREAKER SIZES & WIRING WHERE APPLICABLE TO CONFORM WITH MFR RECOMMENDATIONS AND NEC.
- PANELBOARD SHALL BE MANUFACTURED IN THE UNITED STATES TO COMPLY WITH THE AIRPORT IMPROVEMENT PROGRAM BUY AMERICAN REQUIREMENTS. PROVIDE CERTIFICATION OF MANUFACTURE IN THE UNITED STATES WITH SHIP DRAWING SUBMITTAL.



CONDUIT ENTRANCE DETAIL

SCALE 1 1/2"=1'-0"
 0.5 0 1 2 FEET

MAR 11, 2011 10:15 AM MMRIRANDE P:\ELEC PROJECTS\20114100-000 EDGAR COUNTY ELECTRICAL VAULT DRAWINGS\PRODUCTION\PLANS\E-202.DWG

REVISION					
DATE					
EDGAR COUNTY AIRPORT PARIS, ILLINOIS					
A.I.P. PROJ.: 3-17-0077-B13 IL PROJ.: PRG-4018					

Hanson Proj. No. 10A0053					
Filename E-202.DWG					
Scale AS SHOWN					
Date 03/10/11					
LAYOUT	CAT				
DRAWN	RSS				
REVIEWED	MAM				



CONSTRUCT CROSSWIND
 RUNWAY 18-36
 PROPOSED AIRPORT VAULT
 WALL ELEVATIONS (SHEET 2)