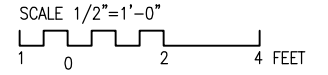


2-3" PVC COATED GRSC ELBOWS AND 2-3" PVC COATED GRSC CONDUITS TO HIGH VOLTAGE HANDHOLE. TRANSITION TO SCHED 40 OR SCHED 80 PVC OR HDPE DUCT AT 20 FT BEYOND VAULT FOUNDATION. COORDINATE LOCATIONS WITH VAULT PIER FOUNDATIONS.

**VAULT EAST WALL ELEVATION**



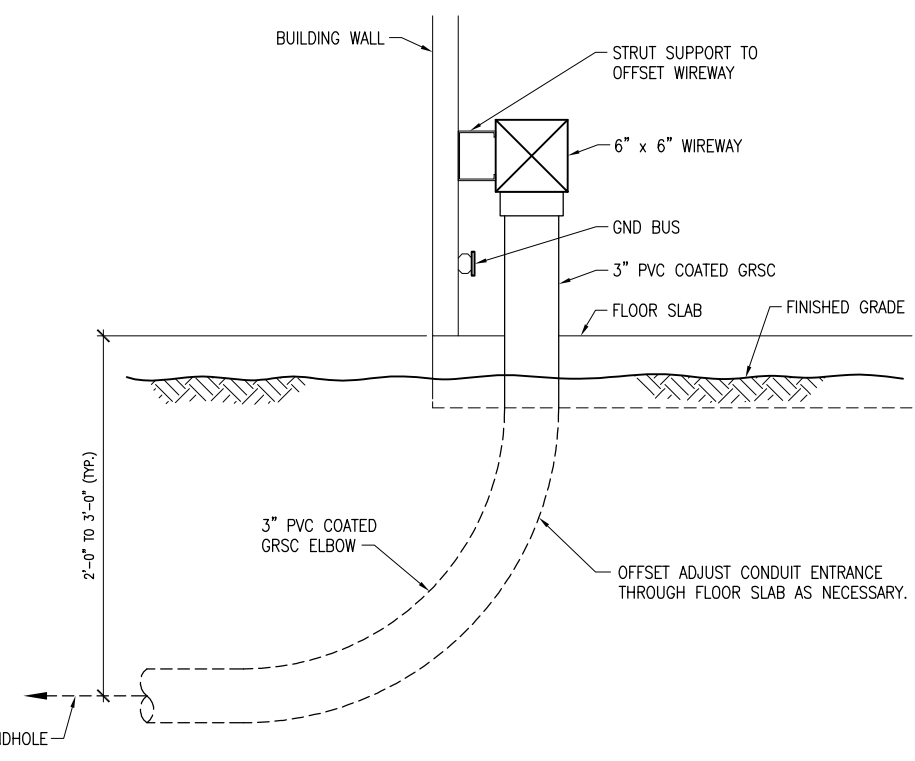
**VAULT MAIN DISTRIBUTION PANEL "A" SCHEDULE**

CKT #	DUTY	SIZE	SIZE	DUTY	CKT #
1	VAULT INTERIOR LIGHTS	15A, 1P	60A 3P	AC SURGE PROTECTOR	2
3	VAULT EXTERIOR LIGHTS	15A, 1P		4	
5	VAULT RECEPTACLES	20A, 1P	20A 2P	SPARE RUNWAY CCR CKT	6
7	L-854 RADIO AND CONTROL POWER	15A, 1P		ELECTRIC HEATER #1	8
9	VAULT EXHAUST FAN	20A, 1P	20A 2P	ELECTRIC HEATER #2	10
11	SPARE	20A, 1P		12	
13	T-HANGAR ACCESS GATE	30A	2P		14
15		2P		16	
17	JEFFERSON STREET POLE LIGHTS CKT 1	20A	---	BLANK	18
19		2P	---	BLANK	20
21	JEFFERSON STREET POLE LIGHTS CKT 2	20A	---	BLANK	22
23		2P	---	BLANK	24
25	AIRPORT ROTATING BEACON	30A	---	BLANK	26
27		2P	---	BLANK	28
29	SPARE	30A, 1P	60A 2P	TAXIWAY A CCR	30
31	SPARE	25A, 1P		32	
33	SPARE	20A, 1P	60A 2P	RUNWAY 13-31 CCR'S	34
35	SPARE	15A, 1P		36	
37	BLANK	---	---	BLANK	38
39	BLANK	---	---	BLANK	40
41	BLANK	---	---	BLANK	42

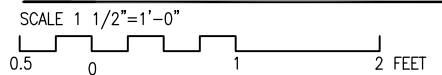
225 AMP, 208/120 VAC, 3 PHASE, 4 WIRE, 42 CIRCUIT PANELBOARD WITH 150 AMP, 3 POLE MAIN BREAKER, RATED 22,000 AIC AT 240 VAC IN A NEMA 1 ENCLOSURE, UL LISTED SUITABLE FOR SERVICE ENTRANCE. INCLUDE TWO SEPARATE COPPER GROUND BAR KITS. ALL FEEDER AND BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 22,000 AIC RATING (MINIMUM) AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D NQ TYPE 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 22,000 AIC AT 120/240 VAC.
- INCLUDE ENGRAVED, PHENOLIC OR PLASTIC LEGEND PLATE LABELED "VAULT MAIN DIST. PANEL, 208/120 VAC, 3PH, 4W". INCLUDE ADDITIONAL LEGEND PLATE FOR THE VAULT MAIN BREAKER LABELED "VAULT MAIN 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 SHOP DRAWING SUBMITTAL.
- CIRCUIT BREAKERS AND WIRING SHALL BE SIZED FOR THE ACTUAL EQUIPMENT FURNISHED IN CONFORMANCE WITH THE RESPECTIVE MANUFACTURER'S RECOMMENDATION AND N.E.C. CONTRACTOR SHALL ADJUST CIRCUIT BREAKER SIZES & WIRING WHERE APPLICABLE TO CONFORM WITH THE MANUFACTURER'S RECOMMENDATIONS AND N.E.C.
- FOR A BOTTOM FEED PANELBOARD, MOVE AC SURGE PROTECTOR BREAKER DOWN TO POSITIONS 38, 40 AND 42.



**CONDUIT ENTRANCE DETAIL**



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REVISION  
DATE

**JOLIET REGIONAL AIRPORT  
JOLIET PARK DISTRICT  
JOLIET, ILLINOIS**

A.I.P. PROJ.: 3-17-0066-B8  
ILL. PROJ.: JOT-4166

Hanson Project No. 0940177D-0001  
Filename E-201-ELEV.dwg  
Scale AS SHOWN  
Date 02/13/12

LAYOUT	KNL	01/13/12
DRAWN	MLH	01/28/12
REVIEWED	KNL/CAH	02/13/12

**HANSON**  
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1525 S. State St.  
Springfield, Illinois 62703-2886

PROPOSED AIRPORT VAULT ELEVATIONS (SHEET 1)

CONSTRUCT A STAND ALONE ELECTRICAL VAULT. REPLACE RUNWAY LIGHTS AND INSTALL TAXIWAY LIGHTS