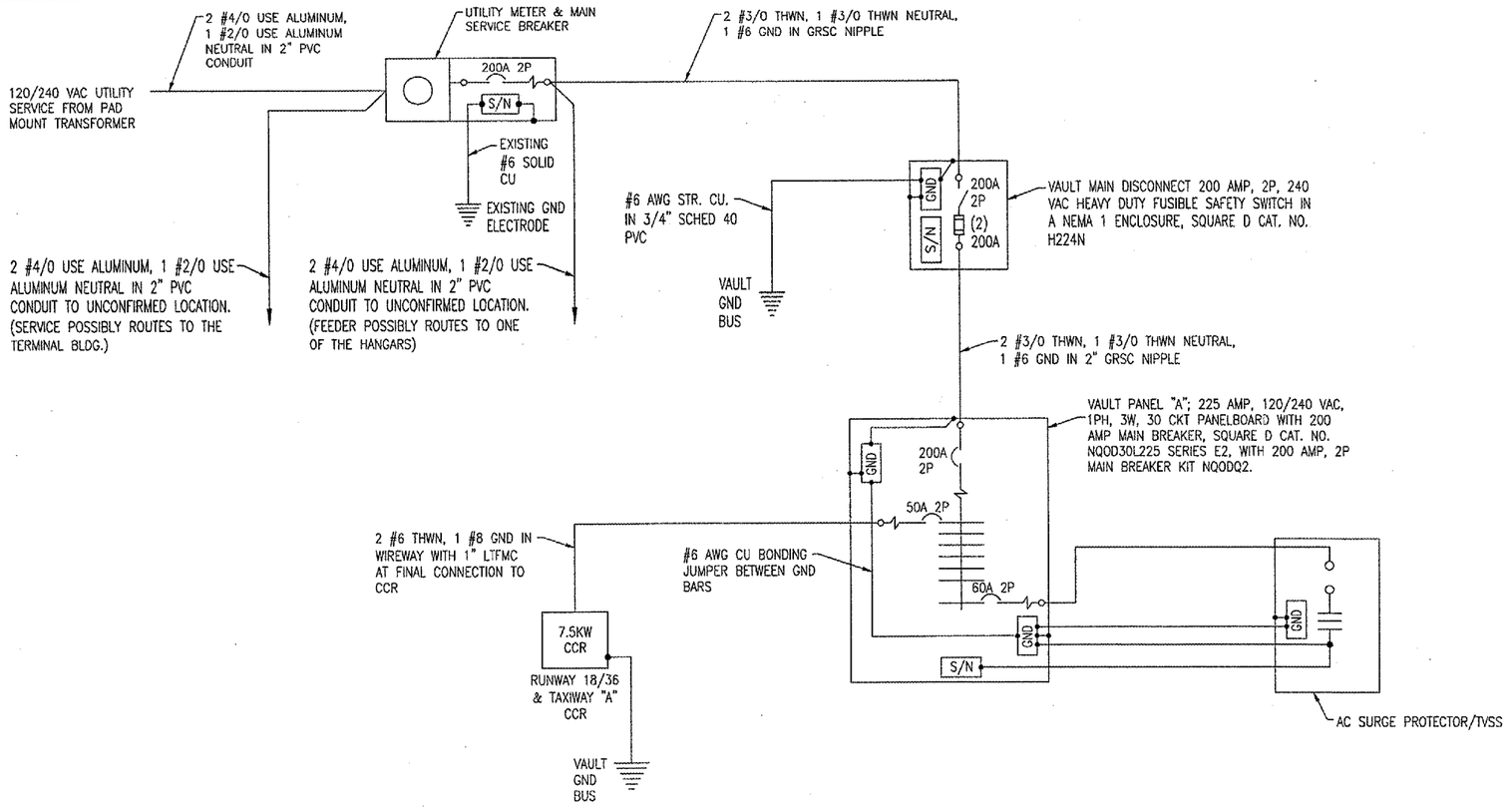

EXISTING VAULT ELECTRICAL ONE LINE DIAGRAM

NOTES

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & REPORT ANY VARIATIONS TO RESIDENT ENGINEER. SOME OF THE EXISTING EQUIPMENT (INCLUDING THE 7.5 KW CCR & THE AC SURGE PROTECTOR/TVSS) ARE PRESENTLY UNDER CONSTRUCTION ON ANOTHER PROJECT.
3. CCR DENOTES CONSTANT CURRENT REGULATOR.

EXISTING VAULT PANEL "A"

CKT #	DUTY	SIZE	SIZE	DUTY	CKT #
1	RUNWAY 18/36 REGULATOR	50A 2P	20A 2P	APRON FLOOD LIGHTS	2
3	---	---	---	---	4
5	BEACON HEATER	20A 1P	20A 1P	FUEL HOSE REEL	6
7	VADI 36	20A 1P	20A 1P	VADI 18	8
9	WIND CONE	20A 1P	20A 1P	EXHAUST FAN	10
11	BEACON	30A 1P	20A 1P	PHOTOCELL CONTROL	12
13	RADIO CONTROL	20A 1P	20A 1P	BLDG LIGHTS & REC	14
15	REGULATOR BYPASS RELAY POWER	20A 1P	20A 1P	CFN	16
17	100	20A 2P	100A 2P	DOT FOODS HANGAR	18
19	---	---	---	---	20
21	JET	20A 2P	20A 2P	HEATER	22
23	---	---	---	---	24
25	CONTROL (FUEL CONTROL)	15A 1P	20A 1P	DISP	26
27	BLANK		60A 2P	AC SURGE PROTECTOR/TVSS	28
29	CARD SYSTEM	15A 1P	---		30

EQUIPT GND BAR — GND — S/N

EXISTING VAULT PANEL IS A SQUARE D CAT NO. NQOD30L225, SERIES E2, 225 AMPS, 120/240V 1 PH, 3W WITH 200 AMP, 2P MAIN BKR (ADD ON MAIN BKR KIT FOR NQOD MAIN LUG PANELBOARDS) NQODQ2

DATE	REVISION	BY

MT. STERLING MUNICIPAL AIRPORT
MT. STERLING, ILLINOIS

IL PROJ.: I63-3323 A.I.P. PROJ.: 3-17-0147-85

HEI Project No. 818-04RWYD
Filename E-601.DWG
Scale N/A
Date 03/21/05

LAYOUT	KNL	03/14/05
DRAWN	MV	03/21/05
REVIEWED	CAH	05/17/05

HANSON
Hanson Professional Services Inc.
1525 South Sixth Street
Springfield, Illinois 62703-2886
Offices Nationwide

PARALLEL TAXIWAY
TAXIWAY "B"

EXISTING VAULT
ELECTRICAL ONE LINE
DIAGRAM

JUL 14, 2005 11:49 AM BAK
I:\AIRPORTS\MTSTERLING\818-05TXY\AIRPORT\SHEETS\E-601.DWG - Layout1