



K:\Bloomington\0508509_BMI_ARFF\Draw\Sheets
 FILE: ELECPLAN2.dwg
 UPDATE BY: Kristy Brod
 PLOT DATE: 4/18/2008 8:35 AM
 BASE_EXISTGEO
 BASE_EXISTTOPD
 SITE_KEYMAP
 BASE_PROPELEC
 BASE_PROPGEO

BL064

REVISIONS		
NUMBER	BY	DATE

0 1 2
 THIS BAR IS EQUAL TO 2"
 AT FULL SCALE (34X22).

ELECTRICAL PLAN 2 NOMENCLATURE

- ① - TWO #10 USE (208V POWER FOR F1, F2 & F3), ONE #10 GROUND IN 1" CONDUIT.
 - TWO #8 USE (120V POWER FOR GATE OPERATOR), ONE #10 GROUND IN 1" CONDUIT
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS, CONTRACTOR SHALL VERIFY WITH CARD READER SUPPLIER), 2/C #14 SHIELDED CABLE (GATE OPEN CONTROL) IN 2" CONDUIT.
 - TWO 2" CONDUITS WITH PULL WIRE FOR FUTURE USE.
 - TWO 1" CONDUITS WITH PULL WIRE FOR FUTURE USE.
- ② 4'x4'x4' PRECAST CONCRETE HANDHOLE.
- ③ POLYMER CONCRETE HANDHOLE. HANDHOLE SHALL BE SOLID-BOTTOM DESIGN AND SHALL BE QUAZITE/HUBBELL #PG-2436-DA-42 WITH #PG-2436-HA-00-17 COVER, OR EQUIVALENT. HANDHOLES SHALL BE 24"W X 36"L X 42" DEEP. THE USE OF CHOPPED FIBERGLASS STRANDS, HIGH DENSITY POLYETHYLENE OR HIGH DENSITY POLYSTYRENE IS UNACCEPTABLE. PLASTIC AND/OR FIBERGLASS BOXES WILL NOT BE CONSIDERED AS ACCEPTABLE ALTERNATES FOR POLYMER CONCRETE HANDHOLES.
- ④ - TWO #10 USE (208V POWER FOR F1 & F3), ONE #10 GROUND IN 1" CONDUIT.
 - TWO 2" CONDUITS WITH PULL WIRE FOR FUTURE USE.
 - TWO 1" CONDUITS WITH PULL WIRE FOR FUTURE USE.
- ⑤ - TWO #10 USE (208V POWER FOR F1 & F3), ONE #10 GROUND IN 1" CONDUIT.
- ⑥ - TWO #10 USE (208V POWER FOR F3), ONE #10 GROUND IN 1" CONDUIT.
- ⑦ - TWO #10 USE (208V POWER FOR F2), ONE #10 GROUND IN 1" CONDUIT.
 - TWO #8 USE (120V POWER FOR GATE OPERATOR), ONE #10 GROUND IN 1" CONDUIT
 - TWO 6-CONDUCTOR #18 SHIELDED CABLES (CARD READERS, CONTRACTOR SHALL VERIFY WITH CARD READER SUPPLIER), 2/C #14 SHIELDED CABLE (GATE OPEN CONTROL) IN 2" CONDUIT.
- ⑧ AUTOMATIC GATE. SEE NEW GATE DETAILS FOR ADDITIONAL INFORMATION.
- ⑨ ELECTRICAL ROOM IN BASEMENT.
- ⑩ ACCESS CONTROLS AND LIGHTING CONTROLS.
- ⑪ APPROXIMATE LOCATION FOR PHOTOCCELL.

LEGEND

	EXISTING RWY. CENTERLINE LIGHTING CABLE
	EXISTING RUNWAY EDGE LIGHTING CABLE
	EXISTING F.A.A. CABLE
	RELOCATED F.A.A. CABLE
	EXISTING ELECTRICAL HANDHOLE
	NEW ELECTRICAL HANDHOLE
	EXISTING SPLICE CAN
	NEW SPLICE CAN
	EXISTING BUILDING
	EXISTING BUILDING DUCT/CABLE MARKER
	EXISTING BASE MOUNTED RUNWAY EDGE LIGHT
	EXISTING RUNWAY GUIDANCE/DTG SIGN
	RELOCATED DTG SIGN
	NEW RUNWAY GUIDANCE SIGN & NO.
	EXISTING RUNWAY CENTERLINE LIGHT
	NEW DUCT BANK
	NEW SPLIT DUCT
	REMOVAL
	NEW RUNWAY CIRCUIT
	TO BE REMOVED

**BLOOMINGTON-NORMAL AIRPORT AUTHORITY
 CENTRAL ILLINOIS REGIONAL AIRPORT
 BLOOMINGTON, ILLINOIS**

**CONSTRUCT NEW ARFF FACILITY
 ELECTRICAL PLAN 2**

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DESIGN BY:	KLB
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APPROVED BY:	RES
DATE:	04/01/2008
JOB No:	0508509
IL PROJ. NO.	BMI-3797
AIP PROJ. NO.	3-17-0006-46 & 48
SHEET	43 OF 66 SHEETS