



EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLES.  
 EXISTING MANAIRCO CAT. NO. MRS1 CUTOUT.  
 EXISTING ENCLOSURE WITH HINGED COVER.  
 EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLE IN CONDUIT AND/OR WIREWAY.  
 EXISTING #8 AWG (MIN.) CU INTERNAL EQUIPT. GND FROM CCR TO CUTOUT ENCLOSURE

EXISTING RWY 9/27 & TXY "A" 7.5KW CCR; MANAIRCO FAA L-828 MANAIRCO PART NO. MSR07L8283B0102 OVM SERIAL 1200427 MFR DATE 07/12 WEIGHT 600 LBS. ONE PHASE INPUT 208/240V 60HZ INPUT AMPS: 36/34 INTERNAL/EXTERNAL CONTROL 120V, 60HZ OUTPUT RATING 7.5/5.6/3.75 KW AT 1136 VOLTS AC OUTPUT STEPS 4.8/5.5/6.6 AMPS MANAIRCO, P.O. BOX 111, MANSFIELD, OHIO 44901 MR180-5

EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLE  
 EXISTING MANAIRCO CAT. NO. MRS1 CUTOUT.  
 EXISTING ENCLOSURE WITH HINGED COVER.  
 EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLE IN CONDUIT AND/OR WIREWAY.  
 EXISTING #8 AWG (MIN.) CU INTERNAL EQUIPT. GND FROM CCR TO CUTOUT ENCLOSURE

EXISTING TAXIWAY "B" 4KW CCR; HEVI DUTY TYPE: CCR3B-FAA-L-828-10E PART NO.: 6436300T200 4 KW OUTPUT AT 6.6 A INPUT: 240V, 60HZ, 1Ø, 17 AMPS OUTPUT CURRENT: 4.8/5.5/6.6 AMPS SER. NO. 91TS11670-1 APPROX WEIGHT; 375 LBS

EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLE  
 EXISTING CROUSE HINDS CAT. NO. 30775 CUTOUT.  
 EXISTING ENCLOSURE WITH HINGED COVER.  
 EXISTING #8 AWG FAA L-824 TYPE C, 5000V CABLE IN CONDUIT AND/OR WIREWAY.  
 EXISTING #8 AWG (MIN.) CU INTERNAL EQUIPT. GND FROM CCR TO CUTOUT ENCLOSURE

EXISTING RWY 18-36 & TXY "C" 15KW CCR; ADB AIRFIELD SOLUTIONS FAA L-828 CONSTANT CURRENT REGULATOR SINGLE PHASE INPUT: 240V, 60HZ, 84 AMPS CONTROL 120V 50/60HZ OR +48VDC OUTPUT: 15KW @ 6.6 AMPS OUTPUT CURRENT: 4.8/5.5/6.6 AMPS GALLONS OF OIL: 0 ASSEMBLY NO. CHF6615/3200 SERIAL NO. 201208200099

**LEGEND**  
 "I" DENOTES PLUG CUTOUT WITH PLUG INSERTED  
 "P" DENOTES PLUG CUTOUT WITH PLUG PULLED  
 "CCR" DENOTES CONSTANT CURRENT REGULATOR

**NOTES:**

1. RUNWAY 9-27 AND TAXIWAY "A" CCR, TAXIWAY "B" CCR, RUNWAY 18-36 AND TAXIWAY "C" CCR AND THE ASSOCIATED CUTOUTS ARE EXISTING.
2. ALL CCR'S SHALL BE TESTED FOR PROPER OPERATION BEFORE REMOVAL WORK AND AFTER THE NEW CABLES AND LIGHTING SYSTEM MODIFICATIONS HAVE BEEN COMPLETED.
3. HIGH VOLTAGE & LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME WIREWAY.
4. SPLICES FOR RUNWAY AND TAXIWAY SERIES CIRCUITS SHALL BE FAA APPROVED TYPE L-823 CONNECTORS AND SHALL BE INSTALLED IN HIGH VOLTAGE HANDHOLES, HIGH VOLTAGE MANHOLES, SPLICE CANS OR HIGH VOLTAGE ENCLOSURES.

**HIGH VOLTAGE WIRING SCHEMATIC**

REVISION	
DATE	

LITCHFIELD MUNICIPAL AIRPORT  
 LITCHFIELD, ILLINOIS  
 IL PROJ.: 31F-4194 BLOCK GRANT PROJ.: 3-17-0063-B19

Hanson Proj. No. 12A0062D	Filename E-602-SCM.dwg	Scale NOT TO SCALE	Date 01/11/13
LAYOUT	KNL	01/02/13	
DRAWN	BAK	01/03/13	
REVIEWED	CAH/KNL	01/10/13	

**HANSON**  
 Professional Services Inc. 2013  
 1525 South Sixth Street  
 Springfield, Illinois 62703-2886  
 Ph: (217) 788-2450 Fax: (217) 788-2503  
 www.hanson-inc.com  
 Offices Nationwide

**REALIGN TAXIWAY "A"**  
 HIGH VOLTAGE WIRING SCHEMATIC

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