



NOTES

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER.
2. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70-NATIONAL ELECTRIC CODE (NEC) MOST CURRENT ISSUE IN FORCE, THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE WILL NOT BE PERMITTED.
3. ALL EQUIPMENT SHOWN NOT LABELED AS EXISTING IS NEW.
4. CONTRACTOR SHALL CONFIRM POWER REQUIREMENTS WITH THE ACTUAL NAMEPLATE ON EACH CONSTANT CURRENT REGULATOR (OR OTHER RESPECTIVE EQUIPMENT) AND ADJUST CIRCUIT BREAKER, WIRE SIZES & CONDUIT SIZES TO CONFORM WITH NEC & MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE. WIRE SIZES SHOWN ON THE PLANS ARE MINIMUM.
5. HIGH VOLTAGE & LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME RACEWAY OR JUNCTION BOX.
6. ALL CONDUCTORS/WIRING SHALL BE COPPER.
7. BRANCH CIRCUITS TO NEW REGULATOR & WIRED REGULATORS SHALL BE INSTALLED IN THE RESPECTIVE LOW VOLTAGE WIREWAY/DUCT, WITH GRSC AT TRANSITIONS AND UL LISTED LIQUID TIGHT FLEXIBLE METAL CONDUIT AT FINAL CONNECTIONS TO THE REGULATOR. CONDUITS SHALL BE SIZED IN ACCORDANCE WITH NEC.
8. BOND NEW & EXISTING REGULATORS TO THE RESPECTIVE VAULT GROUND BUS WITH A DEDICATED #6 AWG BONDING JUMPER.
9. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED, SUNLIGHT RESISTANT, & SUITABLE FOR GROUNDING. LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE UL LISTED TO MEET THE REQUIREMENTS OF NEC 350. LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS USED FOR FLEXIBILITY (INCLUDING CONNECTIONS TO CCR'S & TRANSFORMERS) SHALL REQUIRE AN EXTERNAL BONDING JUMPER OR INTERNAL EQUIPMENT GROUNDING CONDUCTOR PER NEC 350.6. EXTERNAL BONDING JUMPERS USED WITH CCR INSTALLATIONS SHALL BE #6 AWG COPPER (MINIMUM). DO NOT INSTALL LTFMC THAT IS NOT UL LISTED. CONFIRM LTFMC BEARS THE UL LABEL PRIOR TO INSTALLING IT.
10. LOW VOLTAGE INPUT POWER WIRING AND CONTROL WIRING SHALL ENTER THE CCR AT THE LOW VOLTAGE SECTION IN ACCORDANCE WITH THE CCR MANUFACTURER'S INSTRUCTIONS. HIGH VOLTAGE OUTPUT SERIES CIRCUIT WIRING SHALL EXIT THE CCR AT THE HIGH VOLTAGE SECTION IN ACCORDANCE WITH THE CCR MANUFACTURER'S INSTRUCTIONS.
11. VAULT WORK WILL BE PAID FOR UNDER ITEM AR109200 INSTALL ELECTRICAL EQUIPMENT PER LUMP SUM.

NEW ELECTRICAL ONE-LINE DIAGRAM FOR VAULT

BY	
REVISION	
DATE	

LITCHFIELD MUNICIPAL AIRPORT
LITCHFIELD, ILLINOIS

Hanson Project No.	10A0094D_0800
Filename	E-602.DWG
Scale	NOT TO SCALE
Date	02/04/11
LAYOUT	KNL 12/14/10
DRAWN	CWS 12/15/10
REVIEWED	CAH 12/22/10



TAXIWAY "C"
EXTENSION
NEW ELECTRICAL ONE-LINE
DIAGRAM FOR VAULT

MAR 14, 2011 9:56 AM HAGL000382 I:\AIRPORTS\LITCHFIELD\10A0094\CADD\AIRPORT\SHEET\E-602.DWG - PROPOSED ELECTRICAL ONE LINE DIAGRAM FOR VAULT