



NEW FLOOR PLAN FOR VAULT

HALF SIZE SCALE: 1/4" = 1'-0"
 FULL SIZE SCALE: 1/2" = 1'-0"

KEYED NOTES

1. NEW CCR FOR RUNWAY 18-36 & TAXIWAY C. SEE GENERAL NOTE 1. EXISTING CCR SHALL BE RELOCATED TO STORAGE.
2. EXISTING TAXIWAY B CCR. SEE GENERAL NOTE 1.
3. EXISTING RUNWAY 9-27 & TAXIWAY A CCR, SEE GENERAL NOTE 1.
4. REPLACE EXISTING CUTOUT FOR RUNWAY 9-27 & TAXIWAY A WITH A NEW SERIES PLUG CUTOUT. SEE GENERAL NOTE 1.
5. REPLACE EXISTING CUTOUT FOR TAXIWAY B WITH A NEW SERIES PLUG CUTOUT. SEE GENERAL NOTE 1.
6. LB CONDULET FITTING OR NEMA 4X STAINLESS STEEL PULL BOX. PROVIDE 2" PVC COATED GRSC FROM LB CONDULET/PULL BOX TO SPLICE CAN FOR RWY 18-36 & TAXIWAY C HOMERUN CONDUCTORS. PROVIDE 2" GRSC FROM EXTERIOR LB CONDULET/PULL BOX TO INTERIOR HIGH VOLTAGE WIREWAY.
7. REMOVE RUNWAY 18-36 & TAXIWAY C LIGHTING HOMERUN CIRCUIT FROM HANDHOLE, LOW VOLTAGE DUCT, & PULL BOX. PROVIDE L-867B, 24" DEEP SPLICE CAN AND SPLICE EXISTING RUNWAY 18-36 & TAXIWAY C HOMERUN CONDUCTORS TO NEW #8, 5000V FAA L-824, TYPE C CONDUCTORS AND EXTEND TO CUTOUT FOR RUNWAY 18-36 & TAXIWAY C LIGHTING. CONDUIT & WIRING SHALL BE INCLUDED WITH ITEM AR109200. SPLICE CAN WILL BE PAID FOR UNDER ITEM AR125565 SPLICE CAN PER EACH.
8. EXISTING 1/8" THICK x 3/4" WIDE GROUND BUS LOCATED BEHIND CONSTANT CURRENT REGULATORS SHALL BE REPLACED WITH A 1/4" THICK x 2" WIDE x 8" LONG COPPER GROUND BUS. SEE "CCR GROUND BUS RISER" FOR DETAILS.
9. FURNISH AND INSTALL A UL RATED, 10 POUND CARBON DIOXIDE FIRE EXTINGUISHER SUITABLE FOR USE ON CLASS C FIRES, IN THE VAULT. PER NFPA 10 "PORTABLE FIRE EXTINGUISHERS" CLASS C FIRES ARE FIRES THAT INVOLVE ENERGIZED ELECTRICAL EQUIPMENT. FIRE EXTINGUISHER SHALL BE AMEREX 3819, KIDDE MODEL PRO10CDM, OR APPROVED EQUAL CONFIRM MODEL NUMBERS WITH THE RESPECTIVE FIRE EXTINGUISHER MANUFACTURER.

GENERAL NOTES

1. SEE "NEW ELECTRICAL ONE-LINE DIAGRAM FOR VAULT" FOR LOW VOLTAGE INPUT POWER WIRING REQUIREMENTS TO CONSTANT CURRENT REGULATORS. SEE "HIGH VOLTAGE WIRING SCHEMATIC" FOR CCR OUTPUT WIRING REQUIREMENTS. SEE "RUNWAY 18-36 LIGHTING CONTROL SCHEMATIC" FOR CONTROL WIRING REQUIREMENTS TO RUNWAY 18-36 & TAXIWAY "C" CCR.
2. MAINTAIN SEPARATION OF HIGH VOLTAGE WIRING FROM LOW VOLTAGE WIRING TO COMPLY WITH NEC 300.3(c)(2). HIGH VOLTAGE AND LOW VOLTAGE WIRING SHALL NOT BE INSTALLED IN THE SAME RACEWAY, CONDUIT, WIREWAY, PULL BOX, SPLICE CAN OR HANDHOLE.
3. CONSTANT CURRENT REGULATORS AND THEIR RESPECTIVE SERIES PLUG CUTOUTS SHALL BE CLEARLY LABELED TO IDENTIFY THE RESPECTIVE REGULATOR DESIGNATION, RUNWAY OR TAXIWAY SERVED, POWER SOURCE OR CIRCUIT, AND VOLTAGE SYSTEM.
4. BOND EACH WIREWAY TO VAULT GROUND BUS WITH #6 AWG COPPER BONDING JUMPER.
5. BOND EACH CCR FRAME/HOUSING TO VAULT GROUND BUS WITH #6 AWG COPPER BONDING JUMPER.
6. MAINTAIN SEPARATION OF HIGH VOLTAGE AND LOW VOLTAGE CIRCUITS. LOW VOLTAGE WIRING SHALL ENTER THE RESPECTIVE CCR AT THE LOW VOLTAGE SECTION. HI VOLTAGE WIRING SHALL ENTER THE RESPECTIVE CCR AT THE HIGH VOLTAGE SECTION.
7. THE CONTRACTOR SHALL SECURE, IDENTIFY AND PLACE ANY TEMPORARY EXPOSED WIRING IN CONDUIT TO PREVENT ELECTROCUTION AND FIRE IGNITION SOURCES AS PER THE REQUIREMENTS OF FFA AC 150/5370-2E OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION, PART 3-6, C.

THE LOCATION, SIZE, AND TYPE OF MATERIAL OF EXISTING UNDERGROUND AND/OR ABOVEGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY WHATEVER IN RESPECT TO THE ACCURACY, COMPLETENESS, OR SUFFICIENCY OF THE INFORMATION. THERE IS NO GUARANTEE, EITHER EXPRESSED OR IMPLIED, THAT THE LOCATIONS, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ARE REPRESENTATIVE OF THOSE TO BE ENCOUNTERED IN THE CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES OF HIS OPERATIONAL PLANS AND SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION AND ASSISTANCE RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULE OF THE COMPANIES FOR REMOVAL OR ADJUSTMENT WHERE REQUIRED. IN THE EVENT AN UNEXPECTED UTILITY INTERFERENCE IS ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY COMPANY OF JURISDICTION. THE OWNER'S REPRESENTATIVE AND/OR THE RESIDENT ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY DAMAGE TO SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

ALL UTILITY CABLES AND LINES SHALL BE LOCATED BY THE RESPECTIVE UTILITY. CONTACT JULIE (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS) FOR UTILITY INFORMATION, PHONE: 1-800-892-0123. CONTACT THE FAA (FEDERAL AVIATION ADMINISTRATION) FOR ASSISTANCE IN LOCATING FAA CABLES AND UTILITIES. LOCATION OF FAA POWER, CONTROL, AND COMMUNICATION CABLES SHALL BE COORDINATED WITH AND/OR LOCATED BY THE FAA. ALSO CONTACT AIRPORT DIRECTOR/MANAGER AND AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING UNDERGROUND AIRPORT CABLES AND/OR UTILITIES. ALSO COORDINATE WORK WITH ALL ABOVEGROUND UTILITIES.

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT
 LITCHFIELD, ILLINOIS
 I.L. PROJ.: 31F-4046 A.I.P. PROJ.: 3-17-0063-B17

Hanson Project No. 10A0094D_0800			
Filename E-102.DWG			
Scale NONE			
Date 02/04/11			
LAYOUT	KNL	12/15/10	
DRAWN	CWS	12/15/10	
REVIEWED	CAH	12/22/10	

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

TAXIWAY "C"
 EXTENSION
 PROPOSED FLOOR PLAN
 FOR VAULT