



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 (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 NOT LABELED AS EXISTING IS NEW.
4. CABLE IN UNIT DUCT SHALL HAVE COLOR CODED INSULATION AS FOLLOWS:

120/240 VAC CIRCUITS	
PHASE A	BLACK
PHASE B	RED
NEUTRAL	WHITE
GROUND	GREEN
5. PROVIDE NEMA 4 HUBS FOR ALL CONDUIT ENTRIES INTO NEMA 4 RATED ENCLOSURES.
6. INSTALL OBSTRUCTION LIGHTING ON AIRPORT ROTATING BEACON TOWER IN CONFORMANCE WITH FAA AC NO. 150/5340-30 AND FAA AC NO. 150/5370-10, ITEM L-101, INSTALLATION OF AIRPORT ROTATING BEACONS.
7. ALL CONDUCTORS/WIRING SHALL BE COPPER.
8. GRSC DENOTES GALVANIZED RIGID STEEL CONDUIT. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED LIQUID TIGHT FLEXIBLE METAL CONDUIT SHALL BE U.L. LISTED SUITABLE FOR GROUNDING AND SUNLIGHT RESISTANT. NEC 350.6 NOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT AND ASSOCIATED FITTINGS SHALL BE LISTED. DO NOT INSTALL LIQUID TIGHT FLEXIBLE METAL CONDUIT THAT IS NOT UL LISTED.

KEYED NOTES

1. FURNISH & INSTALL A 30 AMP, 2 POLE BOLT-ON BREAKER WITH 22,000 AIC AT 240 VAC THAT IS COMPATIBLE WITH THE EXISTING PANELBOARD, GENERAL ELECTRIC CAT. NO. THHQ22030.
2. FURNISH & INSTALL A 20 AMP, 1 POLE BOLT-ON BREAKER WITH 22,000 AIC AT 120/240 VAC THAT IS COMPATIBLE WITH THE EXISTING PANELBOARD, GENERAL ELECTRIC CAT. NO. THHQ1120.
3. SEE "TRANSFORMER WIRING DIAGRAMS" SHEET FOR DETAILS ON BOOST TRANSFORMER CONNECTIONS.
4. PERFORM SPLICES FOR VAULT WIRING TO FIELD WIRING IN THE TERMINAL & LIGHTING CONTACTOR PANEL.
5. FURNISH & INSTALL A 15 AMP, 1 POLE BOLT-ON BREAKER WITH 22,000 AIC AT 120/240 VAC THAT IS COMPATIBLE WITH THE EXISTING PANELBOARD GENERAL ELECTRIC CAT. NO. THHQ1115.

VAULT ELECTRICAL ONE-LINE DIAGRAM

BY	
REVISION	
DATE	
SAINT LOUIS DOWNTOWN AIRPORT A Division of Bi-State Development Agency A.L.P. PROJ.: 3-17-0039-B18	
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ATCT INTERFACE TO VAULT	VAULT ELECTRICAL ONE-LINE DIAGRAM
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