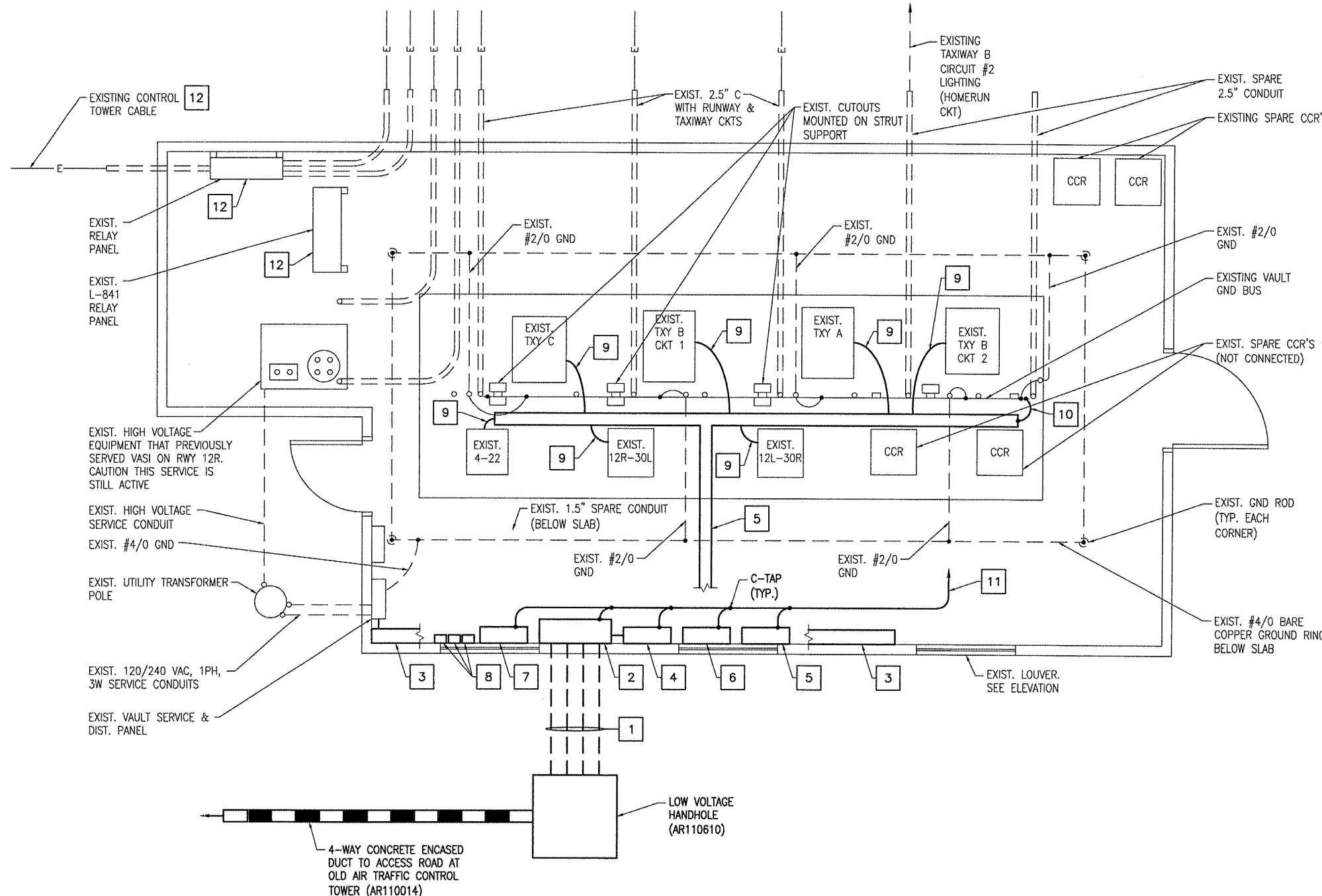


NOTES

1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT DIRECTOR, THE AIRPORT MAINTENANCE MANAGER, THE RESPECTIVE FAA AIR TRAFFIC CONTROL TOWER PERSONNEL AND THE RESIDENT ENGINEER.
2. SEE ELEVATION VIEWS FOR ADDITIONAL INFORMATION ON PROPOSED EQUIPMENT LAYOUTS.
3. SEE VAULT ELECTRICAL ONE LINE DIAGRAM FOR INFO ON POWER WIRING.
4. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
5. ALL WORK AT OR INSIDE THE VAULT WILL BE PAID FOR UNDER ITEM AR109200 INSTALL ELECTRICAL EQUIPMENT PER LUMP SUM.

KEYED NOTES

- 1 4-4" GRSC FROM LOW VOLTAGE PULL BOX TO LOW VOLTAGE HANDHOLE. PROVIDE LB CONDULET FITTINGS AT BUILDING EXTERIOR TO TRANSITION FROM BELOW GRADE INTO BUILDING.
- 2 36"H x 36"W x 12" D NEMA 12 LOW VOLTAGE PULL BOX, WITH HINGED COVER. PROVIDE DUCT SEAL AT CONDUIT TERMINATIONS FROM HANDHOLE.
- 3 6" x 6" LOW VOLTAGE WIREWAY. SEE "VAULT SOUTH WALL ELEVATION" DETAIL FOR LAYOUT AND INTERFACE TO EQUIPMENT ON SOUTH WALL. INTERFACE TO VAULT SERVICE & DISTRIBUTION PANEL WITH 4" GRSC NIPPLE. LABEL "LOW VOLTAGE" APPROX. EVERY 8 FEET.
- 4 TERMINAL PANEL FOR 50 PAIR CONTROL CABLE IN 30"H x 24"W x 8"D NEMA 12 ENCLOSURE WITH HINGED COVER.
- 5 48VDC PILOT RELAY PANEL #1.
- 6 48VDC PILOT RELAY PANEL #2.
- 7 LIGHTING CONTACTOR PANEL IN A NEMA 12 ENCLOSURE. SEE DETAIL.
- 8 BOOST TRANSFORMERS FOR WIND-TEE AND AIRPORT ROTATING BEACON.
- 9 4 #12 THWN, 1 #12 NEUTRAL, 1 #12 GND IN 3/4" GRSC WITH LTFMC AT FINAL CONNECTION TO CCR, (FROM RESPECTIVE 48VDC PILOT RELAY PANEL THROUGH LOW VOLTAGE WIREWAY TO RESPECTIVE CCR). EXISTING CONTROL WIRING CONDUITS MAY BE INTERCEPTED AND INTERFACED TO NEW LOW VOLTAGE WIREWAY AT CONTRACTOR'S OPTION. CONTROL WIRING SHALL BE NEW.
- 10 BOND LOW VOLTAGE WIREWAY TO VAULT GND BUS WITH #6 AWG COPPER BONDING JUMPER.
- 11 BOND LIGHTING CONTACTOR PANEL, LOW VOLTAGE PULL BOX, TERMINAL PANEL ENCLOSURE, AND 48VDC PILOT RELAY PANELS TO VAULT GND BAR WITH #6 AWG COPPER BONDING JUMPER.
- 12 AFTER THE NEW AIRFIELD LIGHTING CONTROL SYSTEM IS COMPLETE, OPERATIONAL, TESTED, AND ACCEPTED BY THE AIRPORT, THE EXISTING RELAY PANEL & L-841 PANEL SHALL BE REMOVED ALONG WITH THE ASSOCIATED CONDUITS AND WIRING IN THE VAULT. EXISTING BURIED CONDUITS AND CABLES SHALL BE ABANDONED IN PLACE.



VAULT FLOOR PLAN

SCALE 3/8"=1'-0"
 2 0 2 4 FEET

NOTE
 SCALE SHOWN IS FOR FULL SIZE PLANS

THE LOCATION, SIZE AND TYPE OF MATERIAL OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS IS NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. 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 ENGINEER SHALL ALSO BE IMMEDIATELY NOTIFIED. ANY SUCH MAINS AND SERVICES SHALL BE RESTORED TO SERVICE AT ONCE AND PAID FOR BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE CONTRACT.

CALL J.U.L.I.E. FOR UTILITY INFORMATION AT 1-800-892-0123. CONTACT AIRPORT PERSONNEL FOR ASSISTANCE IN LOCATING AIRPORT CABLES. CONTACT FAA FOR ASSISTANCE IN LOCATING FAA CABLES

DATE	REVISION	BY

SAINT LOUIS DOWNTOWN AIRPORT
 A Division of the State Development Agency
 A.I.P. PROJ.: 3-17-0339-819
 I.L. PROJ.: GPS-3708

Hanson Project No. 8450/TELECD.0900	Filename: E-101.DWG	Scale: AS SHOWN	Date: 07/16/07
LAYOUT	KNL	06/27/07	06/27/07
DRAWN	MV	07/16/07	07/13/07
REVIEWED	C.A.H.	07/13/07	

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ATCT INTERFACE TO VAULT
 VAULT FLOOR PLAN