

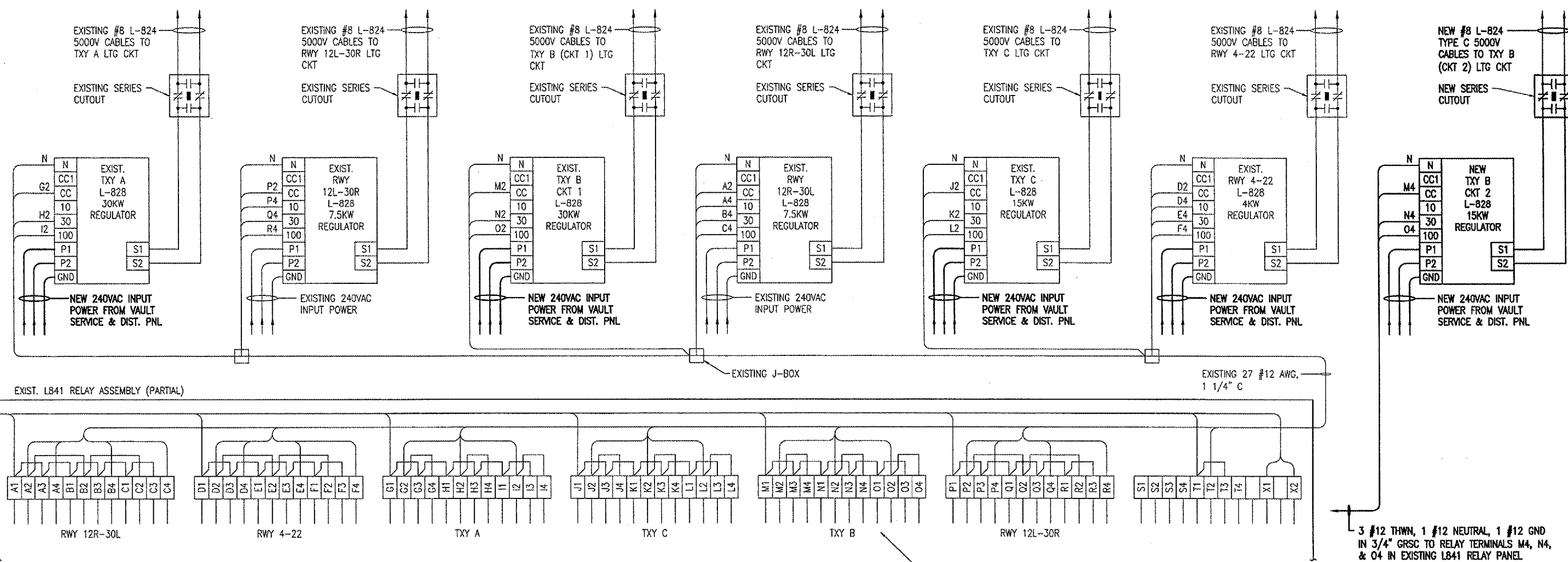
BY	
REVISION	
DATE	

SAINT LOUIS DOWNTOWN AIRPORT
 A Division of Bi-State Development Agency
 ILL. PROJ. 3-17-0039-B16

FILE PROJECT NO.	845-055GND_0800
DATE	06/16/05
SCALE	NONE
DRAWN	KNL
DATE	06/17/05
REVIEWED	C.A.H.
DATE	06/27/05

HANSON
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TAXI GUIDANCE SIGN IMPROVEMENTS
 AIRFIELD LIGHTING WIRING SCHEMATIC



EXIST. L841 RELAY ASSEMBLY (PARTIAL)

EXISTING 120VAC CONTROL POWER TO VAULT SERVICE & DISTRIBUTION PANEL 12 #12 AWG, 1 #12 GND & 2 #12 AWG SPARE IN 3/4" C

EXISTING J-BOX

EXISTING 27 #12 AWG, 1 1/4" C

REMOVE JUMPERS BETWEEN M2 & M4, N2 & N4, AND O2 & O4 TO ACCOMMODATE CONTROL WIRING CONNECTIONS TO NEW TAXIWAY B (CKT 2) CCR

3 #12 THWN, 1 #12 NEUTRAL, 1 #12 GND IN 3/4" GRSC TO RELAY TERMINALS M4, N4, & O4 IN EXISTING L841 RELAY PANEL

- NOTES**
1. THE EXISTING WIRING DIAGRAM IS BASED ON FIELD DATA, REVIEW OF CCR MFR INSTALLATION MANUALS, AND RECORD DRAWINGS PROVIDED BY OTHERS. THE EXISTING CONSTANT CURRENT REGULATORS ARE BELIEVED TO HAVE EXTERNAL 120 VAC CONTROL POWER FROM THE VAULT SERVICE & DIST. PANEL THROUGH THE L-841 RELAY PANEL, HOWEVER SOME RECORD DRAWINGS HAVE INDICATED CONFLICTING INFORMATION. THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY THE EXISTING CONDITIONS & CONTROL WIRING ARRANGEMENT. THE NEW TAXIWAY B (CIRCUIT NO. 2) CCR SHALL OPERATE THE SAME AS THE EXISTING TAXIWAY B (CIRCUIT NO. 1) CCR. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY CONTROL WIRING, TERMINALS, CONNECTIONS, RELAYS, CONDUITS, JUNCTION BOXES, ETC. AS REQUIRED TO PUT THE TAXIWAY B LIGHTING SYSTEM INTO PROPER OPERATION.
 2. ALL CONTROL CABLE WILL BE NO. 12 AWG COPPER, 600 VOLT CABLE.
 3. ALL ELECTRICAL EQUIPMENT WILL BE PROPERLY LABELED AND ALL ELECTRICAL CABLES WILL BE TAGGED.
 4. ALL ELECTRICAL CABLES INSIDE THE VAULT WILL BE IN CONDUIT OR DUCT.
 5. SEE "PROPOSED ELECTRICAL ONE LINE DIAGRAM FOR AIRPORT VAULT" FOR INFORMATION ON CCR BRANCH CIRCUIT REQUIREMENTS.
 6. EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH NEW BRANCH/FEEDER CIRCUIT & THE NEW CONTROL CIRCUIT, TO THE RESPECTIVE CONSTANT CURRENT REGULATOR.
 7. ALL WORK SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM AR109200.

AIRFIELD LIGHTING WIRING SCHEMATIC

JUN 30, 2005 12:26 PM BAK
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