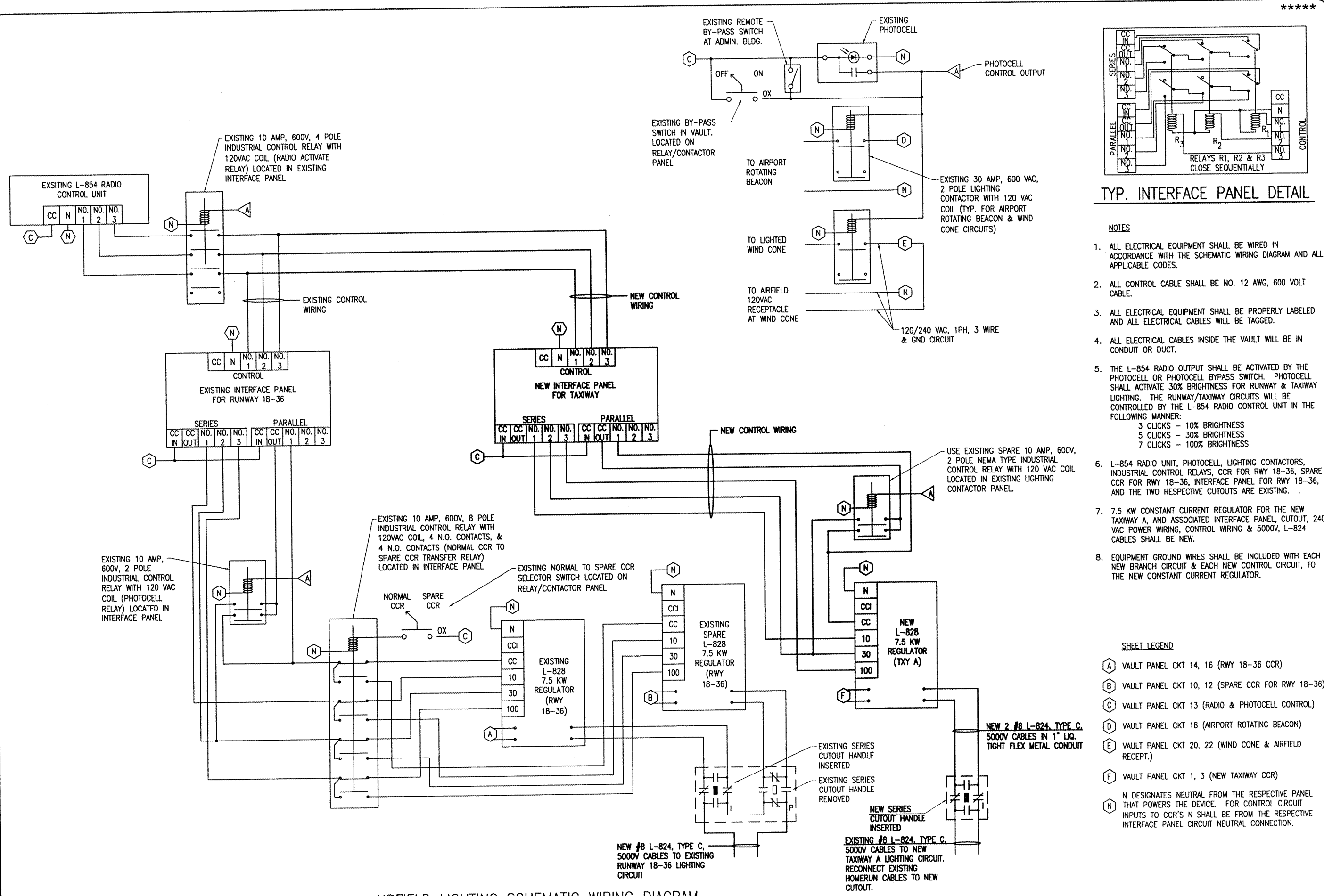
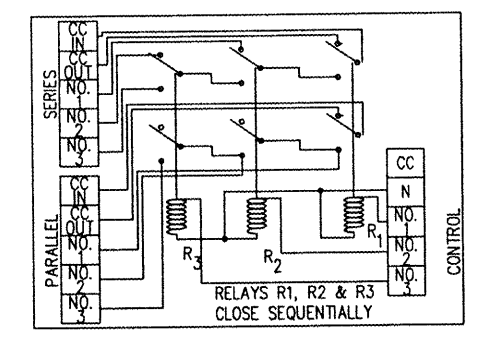


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AIRFIELD LIGHTING SCHEMATIC WIRING DIAGRAM



TYP. INTERFACE PANEL DETAIL

- NOTES
1. ALL ELECTRICAL EQUIPMENT SHALL BE WIRED IN ACCORDANCE WITH THE SCHEMATIC WIRING DIAGRAM AND ALL APPLICABLE CODES.
 2. ALL CONTROL CABLE SHALL BE NO. 12 AWG, 600 VOLT CABLE.
 3. ALL ELECTRICAL EQUIPMENT SHALL BE PROPERLY LABELED AND ALL ELECTRICAL CABLES WILL BE TAGGED.
 4. ALL ELECTRICAL CABLES INSIDE THE VAULT WILL BE IN CONDUIT OR DUCT.
 5. THE L-854 RADIO OUTPUT SHALL BE ACTIVATED BY THE PHOTOCELL OR PHOTOCELL BYPASS SWITCH. PHOTOCELL SHALL ACTIVATE 30% BRIGHTNESS FOR RUNWAY & TAXIWAY LIGHTING. THE RUNWAY/TAXIWAY CIRCUITS WILL BE CONTROLLED BY THE L-854 RADIO CONTROL UNIT IN THE FOLLOWING MANNER:
 3 CLICKS - 10% BRIGHTNESS
 5 CLICKS - 30% BRIGHTNESS
 7 CLICKS - 100% BRIGHTNESS
 6. L-854 RADIO UNIT, PHOTOCELL, LIGHTING CONTACTORS, INDUSTRIAL CONTROL RELAYS, CCR FOR RWY 18-36, SPARE CCR FOR RWY 18-36, INTERFACE PANEL FOR RWY 18-36, AND THE TWO RESPECTIVE CUTOUPS ARE EXISTING.
 7. 7.5 KW CONSTANT CURRENT REGULATOR FOR THE NEW TAXIWAY A, AND ASSOCIATED INTERFACE PANEL, CUTOUP, 240 VAC POWER WIRING, CONTROL WIRING & 5000V, L-824 CABLES SHALL BE NEW.
 8. EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH NEW BRANCH CIRCUIT & EACH NEW CONTROL CIRCUIT, TO THE NEW CONSTANT CURRENT REGULATOR.

- SHEET LEGEND
- (A) VAULT PANEL CKT 14, 16 (RWY 18-36 CCR)
 - (B) VAULT PANEL CKT 10, 12 (SPARE CCR FOR RWY 18-36)
 - (C) VAULT PANEL CKT 13 (RADIO & PHOTOCELL CONTROL)
 - (D) VAULT PANEL CKT 18 (AIRPORT ROTATING BEACON)
 - (E) VAULT PANEL CKT 20, 22 (WIND CONE & AIRFIELD RECEPT.)
 - (F) VAULT PANEL CKT 1, 3 (NEW TAXIWAY CCR)
 - (N) N DESIGNATES NEUTRAL FROM THE RESPECTIVE PANEL THAT POWERS THE DEVICE. FOR CONTROL CIRCUIT INPUTS TO CCR'S N SHALL BE FROM THE RESPECTIVE INTERFACE PANEL CIRCUIT NEUTRAL CONNECTION.

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| BY | | REVISION | | | | | |
| DATE | | | | | | | |

**METROPOLIS MUNICIPAL AIRPORT
METROPOLIS, ILLINOIS**

A.I.P. PROJ.: 3-17-0067-B9
IL PROJ.: M30-3760

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| HEL Project No. 07A0128D_0800 | E-603.DWG | NO. SCALE | 01/24/08 | 03/18/08 |
| Filename | Scale | Date | KNL | CAH |
| LAYOUT | DRAWN | REVIEWED | CAH | |

HANSON
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**PROPOSED PARTIAL
PARALLEL TAXIWAY
AIRFIELD LIGHTING
WIRING SCHEMATIC**

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21 of 2 sheets