



TYP. INTERFACE PANEL DETAIL

- NOTES**
1. ALL ELECTRICAL EQUIPMENT WILL BE WIRED IN ACCORDANCE WITH THE SCHEMATIC WIRING DIAGRAM AND ALL APPLICABLE CODES.
 2. ALL CONTROL CABLE WILL BE NO. 12 AWG, 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. THE L-854 RADIO OUTPUT SHALL BE ACTIVATED BY THE PHOTOCELL OR PHOTOCELL BYPASS SWITCH. PHOTOCELL SHALL ACTIVATE 30% BRIGHTNESS. 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. ALL CONTROL RELAYS, INTERFACE PANELS, RADIO CONTROL UNIT, PHOTOCELL, CONTROL WIRING, ETC. SHALL BE NEW UNLESS OTHERWISE NOTED.
 7. EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH BRANCH CIRCUIT & EACH CONTROL CIRCUIT.
 8. SEE DETAILS FOR REQUIREMENTS ON RELAY PANEL WITH CONTROL RELAYS & LIGHTING CONTACTORS.
 9. THE CONTRACTOR WILL HAVE TO CUT A HOLE IN THE PROPOSED VAULT ROOF TO ALLOW THE INSTALLATION OF ONE CONDUIT FOR THE PROPOSED PHOTO-CELL. AFTER INSTALLING THE CONDUIT THE CONTRACTOR WILL SEAL AROUND THE CONDUIT WITH AN APPROVED SEALANT TO INSURE A WATERPROOF BARRIER.

- SHEET LEGEND**
- (A) VAULT PANEL CKT 14, 16 (RWY 18-36 & TXY CCR)
 - (B) VAULT PANEL CKT 10, 12 (SPARE CCR FOR RWY 18-36 & TXY)
 - (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.)
 - (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.

AIRFIELD LIGHTING SCHEMATIC WIRING DIAGRAM

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|---|----------------|
| BY | |
| REVISION | |
| DATE | |
| METROPOLIS MUNICIPAL AIRPORT METROPOLIS, ILLINOIS | |
| REL. Project No. | B16-06VLT/0800 |
| Drawn | E-603.DWG |
| Scale | NO SCALE |
| Date | 12/02/05 |
| LAYOUT | KNL 11/17/05 |
| DRAWN | NV 11/21/05 |
| REVIEWED | CAH 12/16/05 |
| HANSON Hanson Professional Services Inc. 1525 South Sixth Street Springfield, Illinois 62703-2686 Offices Nationwide | |
| CONSTRUCT NEW VAULT AIRFIELD LIGHTING WIRING SCHEMATIC | |
| 15 | |
| 15 of 22 sheets | |