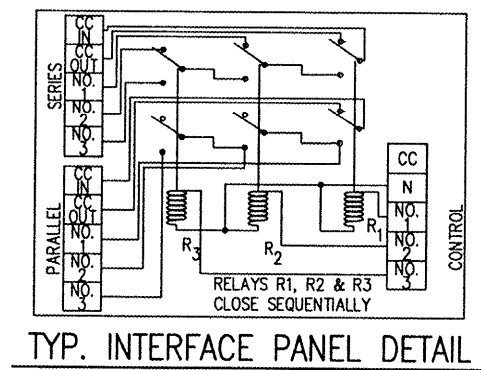


- NOTES**
1. ALL ELECTRICAL EQUIPMENT WILL BE WIRED IN ACCORDANCE WITH THE SCHEMATIC WIRING DIAGRAM AND ALL APPLICABLE CODES.
 2. ALL CONTROL CABLE WILL BE NO. 12 AWG, 600 VOLT CABLE.
 3. ALL ELECTRICAL EQUIPMENT WILL BE PROPERLY LABELED AND ALL ELECTRICAL CABLES WILL BE TAGGED.
 4. ALL ELECTRICAL CABLES INSIDE THE VAULT WILL BE IN CONDUIT OR DUCT.
 5. THE RUNWAY/TAXIWAY CIRCUITS WILL BE CONTROLLED BY THE L-854 RADIO CONTROL UNIT & PHOTOCELL IN THE FOLLOWING MANNER:
 PHOTOCELL - ACTIVATES RADIO CONTROL
 3 CLICKS - 10% BRIGHTNESS
 5 CLICKS - 30% BRIGHTNESS
 7 CLICKS - 100% BRIGHTNESS
 6. RADIO CONTROL UNIT, PHOTOCELL, INDUSTRIAL CONTROL RELAYS, CCR FOR RWY 9/27, AND THE 3 RESPECTIVE INTERFACE PANELS ARE EXISTING.
 7. 7.5 KW CONSTANT CURRENT REGULATOR FOR RWY 18-36 LIGHTING CKT, 7.5 KW CONSTANT CURRENT REGULATOR FOR THE TAXIWAY LIGHTING CKT, AND ASSOCIATED CUTOUTS, 240 VAC POWER WIRING, CONTROL WIRING & 5000V, L-824 CABLES SHALL BE NEW. 240 VAC POWER CIRCUIT FOR RWY 9/27 CCR SHALL BE NEW. CUTOUT FOR RWY 9/27 CCR SHALL BE NEW.
 8. EQUIPMENT GROUND WIRES SHALL BE INCLUDED WITH EACH NEW BRANCH CIRCUIT & EACH NEW CONTROL CIRCUIT, TO THE CONSTANT CURRENT REGULATORS. EQUIPMENT GROUND WIRES SHALL BE ADDED TO EACH EXISTING CCR BRANCH CIRCUIT.
 9. EXISTING WIRING IS BASED ON RECORD DRAWINGS & FIELD SURVEY DATA. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.

- SHEET LEGEND**
- (A) VAULT PANEL CKT 2, 4 (RWY 9/27 CCR)
 - (B) VAULT PANEL CKT 1, 3 (RWY 18/36 CCR)
 - (C) VAULT PANEL CKT 5, 7 (EAST-WEST TAXIWAY CCR)
 - (D) VAULT PANEL CKT 13 (PHOTOCELL)
 - (E) VAULT PANEL CKT 8 (BEACON)
 - (F) VAULT PANEL CKT 9 (WIND CONE)
 - (G) VAULT PANEL CKT 10 (INTERFACE POWER)
 - (H) VAULT PANEL CKT 11 (RWY 9 PLASI)
 - (I) RESERVED
 - (J) VAULT PANEL CKT 12 (RWY 27 PLASI)
 - (K) UNKNOWN POWER SOURCE (RADIO CONTROL)
 - (L) RESERVED
 - (M) VAULT PANEL CKT 18 (FLOOD LIGHTS)
 - (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.
 - (O) VAULT PANEL CKT 20 (STREET LIGHTS)



AIRFIELD LIGHTING SCHEMATIC WIRING DIAGRAM

FA004

BY	
REVISION	
DATE	
FAIRFIELD MUNICIPAL AIRPORT FAIRFIELD, ILLINOIS	
A.I.P. PROJ.: 3-17-0043-B10	
ILL. PROJ.: FWC-3829	
HSB Project No. 08A0073D_0800 Filename: E-604.DWG Scale: NONE Date: 10/10/08	10/02/08 10/02/08 10/02/08
LAYOUT	KNL
DRAWN	MV
REVIEWED	CAH
 Hanson Professional Services Inc. 1525 South State Street Springfield, Illinois 62703-2886 Offices Nationwide	
REPLACE RUNWAY & TAXIWAY LIGHTING AIRFIELD LIGHTING WIRING SCHEMATIC	
16	
16 of 22 sheets	