



PANEL LAYOUT  
NOT TO SCALE

NOTES

1. NEW TRANSFER RELAY PANEL SHALL REPLACE EXISTING TRANSFER RELAY PANEL LOCATED IN THE BAGGAGE ROOM OF THE TERMINAL BUILDING. NEW TRANSFER RELAY PANEL SHALL BE MANUFACTURED BY UNIVERSE INC., 1833 WEST HOVEY AVE., NORMAL, ILLINOIS 61761, ATTN. MR. JOHN HOUSOUR, PHONE: 309-454-5665, FAX: 309-452-2521, OR EQUIVALENT FAA APPROVED L-821 PANEL MFR.
2. NORMAL CONTROL INPUT SHALL BE FROM THE L-821 PANEL LOCATED AT THE CONTROL TOWER. CONTRACTOR SHALL COORDINATE TERMINAL & WIRING NUMBERING BETWEEN THE NEW L-821 PANEL AT THE CONTROL TOWER & THE NEW TRANSFER RELAY PANEL.
3. ALTERNATE CONTROL INPUT SHALL BE FROM THE EXISTING L-821 PANEL LOCATED AT THE AIRPORT DIRECTOR'S OFFICE. CONTRACTOR SHALL FIELD VERIFY EXISTING WIRING, AND COORDINATE TERMINAL & WIRING NUMBERING BETWEEN THE EXISTING L-821 PANEL AT THE AIRPORT DIRECTOR'S OFFICE & THE NEW TRANSFER RELAY PANEL.
4. OUTPUT CONTROL FOR RUNWAY LIGHTING, TAXIWAY LIGHTING, BEACON, & L-854 RADIO CONTROL SHALL INTERFACE TO THE EXISTING L-841 AUX. PILOT RELAY PANELS LOCATED AT THE VAULT. OUTPUT CONTROL WIRING FOR THE WIND SOCK SHALL INTERFACE TO THE WIND SOCK CONTACTOR IN THE BAGGAGE ROOM. CONTRACTOR SHALL FIELD VERIFY EXISTING WIRING AND COORDINATE TERMINAL & WIRING NUMBERING BETWEEN THE NEW TRANSFER RELAY PANEL & THE L-841 PANELS OR OTHER RESPECTIVE DEVICES.
5. EACH CONTROL WIRE SHALL HAVE A UNIQUE NUMBER DEDICATED TO THAT RESPECTIVE WIRE & SHALL BE LABELED AT EVERY SPlice AND TERMINATION.
6. INPUT CONTROL WIRING FROM THE NEW L-821 PANEL AT THE CONTROL TOWER TO THE NEW TRANSFER RELAY PANEL SHALL BE NUMBERED 101 THROUGH 137 AND 201 THROUGH 237 TO CORRESPOND TO THE TWO 37/C #12 AWG CONTROL CABLES THAT RUN BETWEEN THE CONTROL TOWER & THE BAGGAGE ROOM AT THE TERMINAL BLDG. RENUMBER EXISTING TERMINAL PANELS AT EACH LOCATION.
7. INPUT CONTROL WIRING FROM THE EXISTING L-821 PANEL AT THE AIRPORT DIRECTOR'S OFFICE TO THE NEW TRANSFER RELAY PANEL SHALL BE RENUMBERED STARTING AT 301 THROUGH 3XX.
8. OUTPUT CONTROL WIRING FROM THE NEW RELAY TRANSFER PANEL TO THE VAULT SHALL BE NUMBERED 1 THROUGH 100 TO MATCH THE EXISTING 50 PAIR #19 AWG CONTROL CABLE TERMINAL PANELS AT EACH LOCATION.
9. CONTROL RELAYS SHALL BE 10 AMP, 4PDT WITH 120 VAC COIL, IDEC RH4BU, OR APPROVED EQUAL FOR RELAYS RY1 THROUGH RY7 & RY9. CONTROL RELAY FOR RY8 SHALL BE 10 AMP DPDT WITH 120 VAC COIL, IDEC RH2BU, OR APPROVED EQUAL. INCLUDE SOCKET FOR EACH RELAY. INCLUDE 1 SPARE FOR EACH TYPE OF RELAY.
10. TERMINAL BLOCKS SHALL BE SUITABLE FOR #18 AWG THROUGH #12 AWG CONDUCTORS. PANEL INTERNAL CONTROL WIRING SHALL NOT BE SMALLER THAN #16 AWG COPPER, 105°C, MIL SPEC 16878B16, OR EQUAL.
11. TRANSFER RELAY PANEL SHALL BE INCIDENTAL TO (INCLUDED WITH) PAY ITEM AR109600 L-821 CONTROL PANEL PER EACH.

\* INTERFACE TO L-821 PANEL AT AIRPORT DIRECTOR'S OFFICE

TRANSFER RELAY PANEL SCHEMATIC

BY	REVISION	DATE



Project No. B02-06TXND 0800	Scale NONE	Date 03/31/06
Files E-155.DWG	Scale NONE	Date 03/28/06
Scale NONE	Scale NONE	Date 03/28/06
Date 03/31/06	Scale NONE	Date 03/28/06
LAYOUT	KNL	LDP
DRAWN	MV	LDP
REVIEWED	LDP	LDP



TAXIWAY "C" RECONSTRUCTION  
TRANSFER RELAY PANEL DETAILS