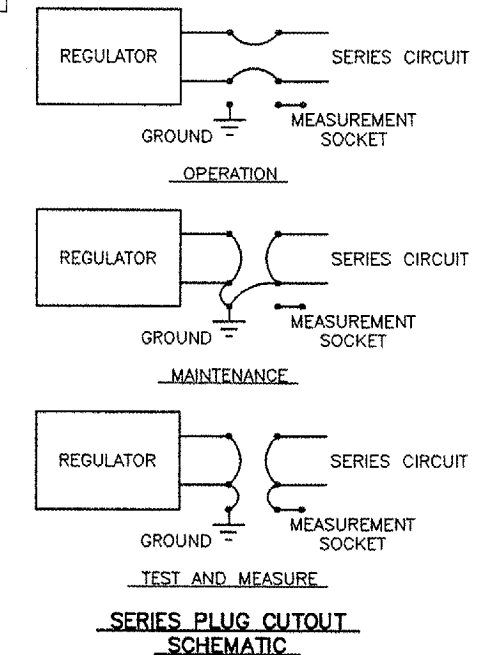


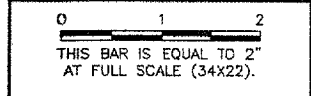
BASEMENT OF TERMINAL BUILDING—EXISTING
 1/2"=1'-0"



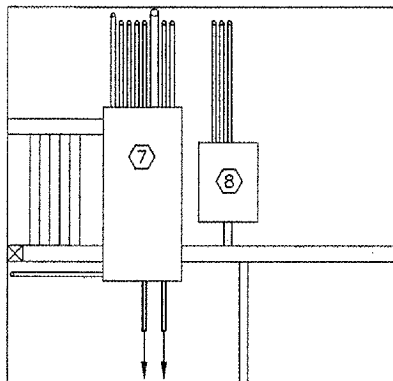
SERIES PLUG CUTOFF SCHEMATIC

REVISIONS

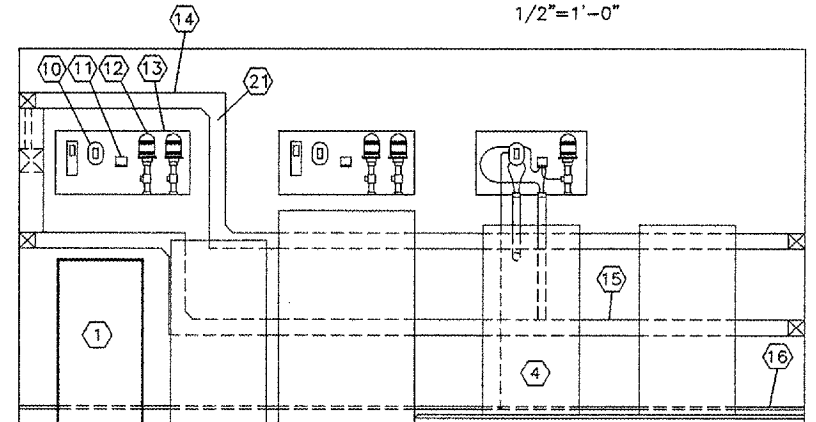
NUMBER	BY	DATE



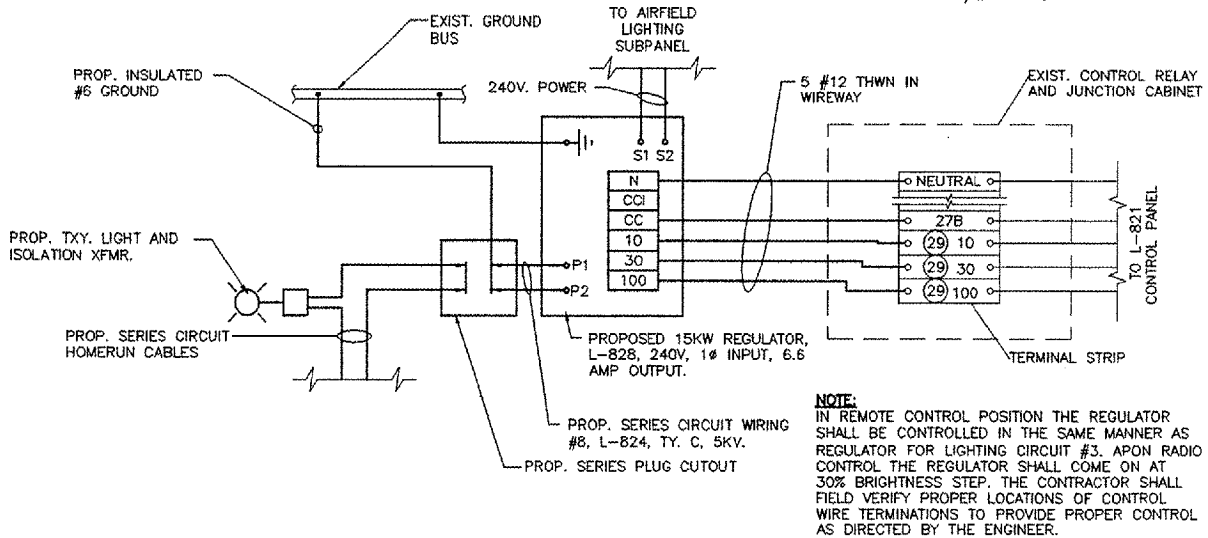
**VERMILION COUNTY AIRPORT
 DANVILLE, ILLINOIS**
EXTEND PARALLEL TAXIWAY 600 FEET
VAULT DETAILS



SECTION A
 1/2"=1'-0"



SECTION B PROPOSED
 1/2"=1'-0"



PROPOSED REGULATOR WIRING

NOTE:
 IN REMOTE CONTROL POSITION THE REGULATOR SHALL BE CONTROLLED IN THE SAME MANNER AS REGULATOR FOR LIGHTING CIRCUIT #3. UPON RADIO CONTROL THE REGULATOR SHALL COME ON AT 30% BRIGHTNESS STEP. THE CONTRACTOR SHALL FIELD VERIFY PROPER LOCATIONS OF CONTROL WIRE TERMINATIONS TO PROVIDE PROPER CONTROL AS DIRECTED BY THE ENGINEER.

WIRING AND EQUIPMENT NOMENCLATURE

- ① EXISTING 10 KW REGULATOR FOR TAXIWAY A, A1 AND A2 (LIGHTING CIR #1) 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT. REPLACE WITH NEW 15 KW REGULATOR, 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT, RECONNECT EXISTING CONTROL AND OUTPUT WIRING.
- ② EXISTING 7-1/2 KW REGULATOR FOR RUNWAY 16/34 AND TAXIWAY D, 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ③ EXISTING 15 KW REGULATOR FOR TAXIWAY C AND C1 (LIGHTING CIR #2), 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ④ EXISTING 7.5 KW REGULATOR FOR TAXIWAY B (LIGHTING CIR #3), 3-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ⑤ SPARE 7.5 KW REGULATOR
- ⑥ EXISTING 30 KW REGULATOR FOR RUNWAY 3/21, 5-STEP, 240 VAC INPUT, 6.6 AMP OUTPUT.
- ⑦ EXISTING 225 AMP 120/ 240 VAC 3 PHASE, 4 WIRE, AIRFIELD LIGHTING POWER PANEL, GE CAT NO NLAB STYLE 5B. WITH 225 AMP MAIN BREAKER.
- ⑧ EXISTING AIRFIELD LIGHTING SUBPANEL, SIEMENS CAT NO. 11X18MC250A, TYPE S1. INSTALL 100 AMP, 2 POLE BOLT ON CIRCUIT BREAKER FOR POWER OF PROPOSED REGULATOR FOR LIGHTING CIRCUIT #1. REVISE CIRCUIT DIRECTORY AS REQUIRED. INSTALL 2 #2 THWN, 1 #6 GND. IN 1/2" GRSC FROM SUB PANEL TO REGULATOR.
- ⑨ (RESERVED)
- ⑩ SERIES PLUG CUTOFF.
- ⑪ L-830-1 30/45 WATT ISOLATION TRANSFORMER.
- ⑫ L-861T TAXIWAY EDGE LIGHT.
- ⑬ MOUNTING PANEL, 12 GAUGE STEEL WITH BAKED ENAMEL FINISH.
- ⑭ EXISTING 4" X 4" LOW VOLTAGE WIREWAY.
- ⑮ EXISTING 4" X 4" HIGH VOLTAGE WIREWAY.
- ⑯ EXISTING GROUND BUS BAR.
- ⑰ EXISTING L-854 AIR-TO-GROUND RADIO CONTROLLER.
- ⑱ EXISTING L-821 VAULT CONTROL PANEL.
- ⑲ EXISTING CONTROL RELAY AND JUNCTION CABINET.
- ⑳ (RESERVED)
- ㉑ **PROPOSED 2 - 1/C #2 THWN, 1 #6 GROUND (POWER) AND 5 #12 THWN (CONTROL) IN 1" LIQUIDTIGHT FLEXIBLE CONDUIT FROM REGULATOR TO LOW VOLTAGE WIREWAY. POWER CONDUCTORS TO THEN BE ROUTED IN EXISTING WIREWAY AS NEEDED TO AIRFIELD LIGHTING SUBPANEL. CONTROL CONDUCTORS TO THEN BE ROUTED IN EXISTING WIREWAY AS NEEDED TO EXISTING RELAY CONTROL CABINET.**
- ㉒ (RESERVED)
- ㉓ EXIST. 24"x24"x12" JUNCTION BOX - HIGH VOLTAGE.
- ㉔ EXIST. 28"x28"x12" JUNCTION BOX - LOW VOLTAGE.
- ㉕ EXIST. 2" RIGID CONDUIT.
- ㉖ EXIST. 4"x4" LOW VOLTAGE WIREWAY.
- ㉗ EXIST. 3" RIGID CONDUIT WITH CONTROL CONDUCTORS.

NOTE:
 PROPOSED WORK SHOWN IN BOLD.

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DESIGN BY:	TM
DRAWN BY:	DLB
CHECKED BY:	SMH
APPROVED BY:	JEF
DATE:	01/13/2006
JOB No:	05042-0300
ILLINOIS PROJECT DNV-3537	
A.I.P. PROJECT 3-17-0032-B10	
SHEET	20 OF 29 SHEETS