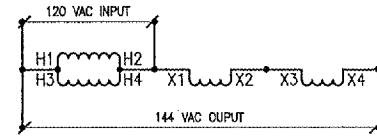
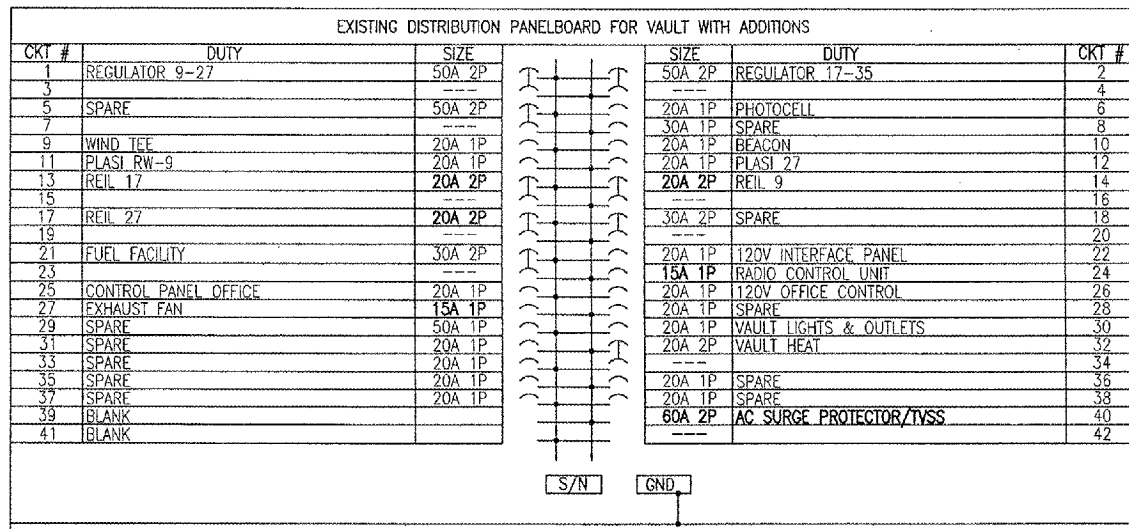


NOTE:
CONFIRM WIRING WITH RESPECTIVE
TRANSFORMER MFR.

120 VAC TO 132 VAC BOOST TRANSFORMER
CONNECTION DIAGRAM FOR SQUARE D
CAT. NO. 500SV43B TRANSFORMER



NOTE:
CONFIRM WIRING WITH RESPECTIVE
TRANSFORMER MFR.

120 VAC TO 144 VAC BOOST TRANSFORMER
CONNECTION DIAGRAM FOR SQUARE D
CAT. NO. 500SV43B TRANSFORMER

- NOTES**
1. REMOVE THE NEUTRAL BONDING STRAP BETWEEN THE NEUTRAL BUS AND THE ENCLOSURE FRAME.
 2. BOND THE PANELBOARD EQUIPMENT GROUND BAR TO THE VAULT GROUND BUS WITH A #6 AWG STRANDED COPPER BONDING JUMPER.
 3. REPLACE THE EXISTING 30 AMP, 2 POLE BREAKERS FOR REIL 17, REIL 9, & REIL 27 WITH NEW 20 AMP, 2 POLE, BOLT-ON BREAKERS WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB220.
 4. FURNISH & INSTALL A NEW 60 AMP, 2 POLE BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB260 IN POSITIONS 40 & 42 FOR THE AC SURGE PROTECTOR/TVSS DEVICE. LEADS TO AC SURGE PROTECTOR SHALL BE AS SHORT & AS STRAIGHT AS POSSIBLE.
 5. REPLACE THE 20 AMP, 1 POLE BREAKER FOR THE RADIO CONTROL UNIT WITH A NEW 15 AMP, 1 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB115.
 6. REPLACE THE 20 AMP, 1 POLE BREAKER FOR THE EXHAUST FAN WITH A NEW 15 AMP, 1 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB115.
 7. ALL EXISTING BREAKERS SCHEDULED FOR REPLACEMENT SHALL REMAIN AIRPORT AUTHORITY PROPERTY.
 8. UPDATE CIRCUIT DIRECTORY TO REFLECT ALL ADDITIONS.

JUN 29, 2006 9:28 AM CAH
L:\AIRPORTS\ROBINSON\838-04RWYVAIRPORT\SHEETS\E-603.DWG - Work-FLR

REVISION DATE BY			
ROBINSON MUNICIPAL AIRPORT ROBINSON CRAWFORD COUNTY, ILLINOIS A.I.P. PROJ.: 3-17-0086-B10 I.L. PROJ.: RSV-3490			
I.E. Project No. 838-04RWY E-603.DWG Scale NONE Date 01/13/04	LAYOUT KNL DRAWN MW REVIEWED CAH	03/04/04 03/05/04 03/05/04	
Hanson Professional Services Inc. 1050 S. 3rd St., Ste. 202 Springfield, Ill. 62768-2886 Offices Nationwide			
RUNWAY 9-27 WIDENING PANELBOARD SHCEDULES AND TRANSFORMER WIRING DIAGRAMS		35 35 of 75 sheets	