

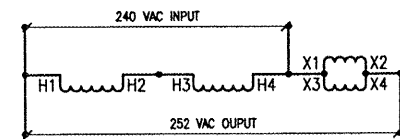
PAPI FIELD WIRING CONNECTIONS  
(FOR CROUSE-HINDS 881A3A-1 PAPI)

NOTES

1. PAPI FIELD WIRING CONNECTION DIAGRAM IS BASED ON A CROUSE-HINDS PART NO 881A3A-1, L-881 STYLE A (VOLTAGE POWERED) PAPI WITH 3 LAMPS PER LIGHT BOX, & INFORMATION PROVIDED BY CROUSE-HINDS FIELD SERVICE SUPPORT CENTER. WIRING REQUIREMENTS VARY FOR DIFFERENT PAPI MANUFACTURERS AND DIFFERENT PAPI MODEL NUMBERS BY THE SAME MANUFACTURER. CONTRACTOR SHALL CONFIRM WIRING REQUIREMENTS WITH THE RESPECTIVE PAPI MANUFACTURER AND ADJUST TO MEET MANUFACTURER INSTRUCTIONS AND RECOMMENDATIONS. POWER WIRING REQUIREMENTS SHOWN ARE MINIMUM, FOR THE RESPECTIVE PAPI SYSTEM.
2. INCLUDE #8 AWG COPPER (MINIMUM) EQUIPMENT GROUND WIRE IN CONDUIT WITH POWER & CONTROL WIRING BETWEEN THE POWER & CONTROL UNIT & THE PAPI LIGHT BOXES.
3. CONDUIT BETWEEN PAPI PCU AND SPLICE CANS AT PAPI LIGHT UNITS SHALL BE GALVANIZED RIGID STEEL CONDUIT.

KEYED NOTES

- 1 CONSOLIDATING HARNESS, 4 #14 AWG LEADS AS FURNISHED OR REQUIRED BY PAPI MFR.
- 2 OUTGOING POWER FEED FROM POWER & CONTROL UNIT TO THE TWO PAPI LIGHT BOXES (#1 & #2), #8 AWG XLP-USE OR THWN (MIN.)
- 3 TILT SWITCH WIRING #14 AWG XLP-USE OR THWN (MIN.) CONFIRM WIRING WITH PAPI MFR & ADJUST AS APPLICABLE.
- 4 PLUG WITH CABLE ASSEMBLY AS FURNISHED OR REQUIRED BY PAPI MFR.



NOTES:

1. CONFIRM WIRING WITH RESPECTIVE TRANSFORMER MFR.
2. PROVIDE BOOST TRANSFORMER AT VAULT WHERE VOLTAGE DROP FROM VAULT TO RESPECTIVE PAPI POWER AND CONTROL UNIT EXCEEDS 5% (12 VOLTS FOR 240 VAC NOMINAL SUPPLY). BOOST TRANSFORMER IS NOT REQUIRED WHERE PAPI PCU HAS INPUT POWER TRANSFORMER TAP ADJUSTMENTS SUITABLE FOR RESPECTIVE INPUT VOLTAGE AND CABLE LOSSES.

240 VAC TO 252 VAC BOOST TRANSFORMER  
CONNECTION DIAGRAM FOR SQUARE D  
CAT. NO. 250SV43B TRANSFORMER

DATE	REVISION	BY

LITCHFIELD MUNICIPAL AIRPORT  
LITCHFIELD, ILLINOIS

IL. PROJ.: 3LF-3559 A.I.P. PROJ.: 3-17-0063-B13

H&E Project No.	814-06RWYD_0800
Filename	E-605.DWG
Scale	N/A
Date	01/29/08
LAYOUT	KNL 01/22/08
DRAWN	MV 01/22/08
REVIEWED	CAH 01/29/08



Hanson Professional Services Inc.  
1525 South Sixth Street  
Springfield, Illinois 62703-2886  
Offices Nationwide

PROPOSED P.F.C.  
ON RUNWAY 9-27

PAPI FIELD WIRING  
CONNECTIONS