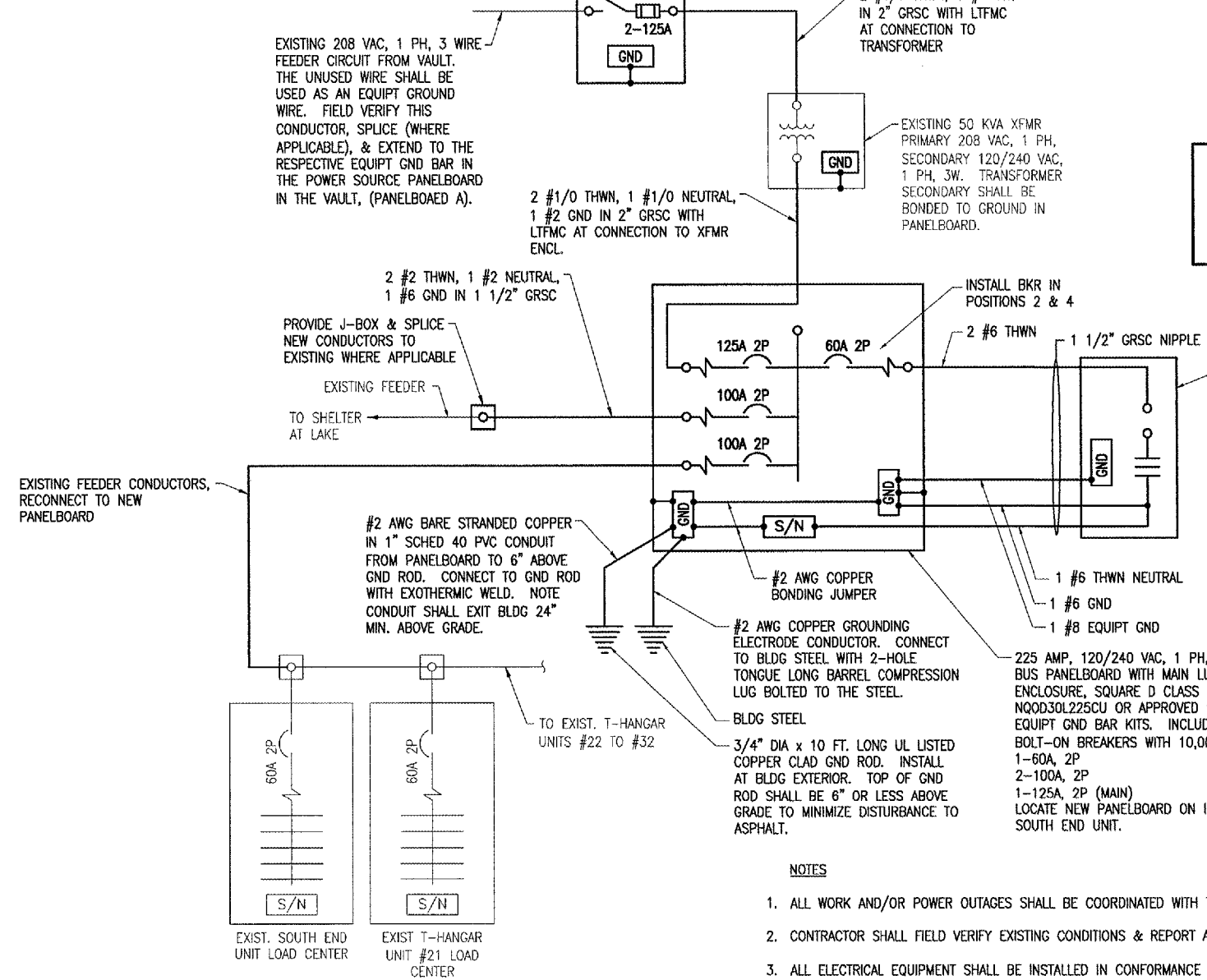


**NOTE**  
EXISTING SAFETY SWITCH & LOAD CENTERS WERE OBSERVED TO CONTAIN WASP NESTS DURING FIELD SURVEYS. USE CAUTION WHEN WORKING IN THIS EQUIPMENT.

**EXISTING ELECTRICAL ONE LINE DIAGRAM  
FEEDER FOR T-HANGARS #21 - #32**

240 VAC, 200 AMP, 2 POLE HEAVY DUTY FUSIBLE SAFETY SWITCH IN A NEMA 4X STAINLESS STEEL ENCLOSURE WITH HINGED COVER, SQUARE D CAT. NO. H224DS OR APPROVED EQUAL. INCLUDE EQUIPT GND BAR KIT. NEW SAFETY SWITCH SHALL REPLACE EXISTING.



**WORK SHOWN ON THIS SHEET IS FOR BID ALTERNATE NO. 2**

ALL CONDUIT ENTRIES/ EXITS TO OR FROM THE HANGAR BLDG SHALL BE 24" MIN. ABOVE FINISHED FLOOR.

LEGEND PLATE SCHEDULE	
DEVICE	LABEL
MAIN DISCONNECT FOR T-HANGAR UNITS #21 THRU #32	MAIN DISCONNECT T-HANGAR UNITS #21 THRU #32 208 VAC, 1 PHASE, 2 WIRE FED FROM VAULT PANEL A
TRANSFORMER FOR T-HANGAR UNITS #21 THRU #32	208 VAC TO 120/240 VAC STEP-UP TRANSFORMER FED FROM MAIN DISCONNECT
MAIN DISTRIBUTION PANEL FOR T-HANGAR UNITS #21 THRU #32	MAIN DIST. PANEL T-HANGAR UNITS #21 THRU #32 120/240 VAC, 1 PHASE, 3 WIRE FED FROM STEP-UP XFMR

NOTE: LEGEND PLATES SHALL BE WEATHERPROOF ENGRAVED PLASTIC OR PHENOLIC MATERIAL, 1/4" HIGH BLACK LETTERS ON A WHITE BACKGROUND. SECURE WITH WEATHERPROOF ADHESIVE AND MACHINE SCREWS.

**NEW ELECTRICAL ONE LINE DIAGRAM  
FEEDER FOR T-HANGARS #21 - #32**

- NOTES**
- ALL WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
  - CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & REPORT ANY VARIATIONS TO RESIDENT ENGINEER.
  - ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN CONFORMANCE WITH NFPA 70 (NEC MOST CURRENT ISSUE IN FORCE), THE RESPECTIVE EQUIPMENT MANUFACTURER'S DIRECTIONS AND ALL OTHER APPLICABLE LOCAL CODES, LAWS, ORDINANCES AND REQUIREMENTS IN FORCE. ANY INSTALLATIONS WHICH VOID THE U.L. LISTING, ETL LISTING, (OR OTHER THIRD PARTY LISTING) AND/OR THE MANUFACTURER'S WARRANTY OF A DEVICE SHALL NOT BE PERMITTED.
  - PER NEC 513 THE ENTIRE AREA OF THE HANGAR INCLUDING ANY ADJACENT AND COMMUNICATING AREAS NOT SUITABLE CUT OFF FROM THE HANGAR, SHALL BE CLASSIFIED AS A CLASS 1, DIVISION 2 HAZARDOUS LOCATION UP TO A LEVEL 18 INCHES ABOVE THE FLOOR. AREAS IN THE VICINITY OF AIRCRAFT ARE ALSO CLASSIFIED AS HAZARDOUS AS DEFINED BY NEC 513. ALL ELECTRICAL INSTALLATIONS IN CLASSIFIED HAZARDOUS LOCATIONS SHALL BE AVOIDED UNLESS SPECIFICALLY APPROVED FOR SUCH LOCATIONS AND INSTALLED IN CONFORMANCE WITH NEC 500, 501, AND 513 AS WELL AS ANY OTHER APPLICABLE CODES AND REQUIREMENTS.
  - ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
  - GRSC DENOTES GALVANIZED RIGID STEEL CONDUIT. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT U.L. LISTED SUITABLE FOR GROUNDING, AND SUNLIGHT RESISTANT.
  - WORK SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM AT109200.
  - FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH METER SOCKET, SERVICE DISCONNECT, PANELBOARD & LOAD CENTER (NEW & EXISTING) TO WARN PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS, PER THE REQUIREMENTS OF NEC 110.16 "FLASH PROTECTION". LABELS SHALL BE HAZARD COMMUNICATION SYSTEMS, LLC (190 OLD MILFORD RD., P.O. BOX 1174, MILFORD, PA 18337 PHONE: 1-877-748-0244) PART NO. H6010-9VWHBJ OR APPROVED EQUAL.

BY	
REVISION	
DATE	
 <b>MT. VERNON, ILLINOIS</b>	
ILL. Project No. 819-05RMYD_0800 File Name: E-603.DWG Scale: NONE Date:	A.I.P. PROJ.: 3-17-00XX-XX I.L. PROJ.: MW-XXXX
LAYOUT: KNL 12/13/04 DRAWN: MW 12/13/04 REVIEWED: CAH 01/14/05	
 Hanson Professional Services Inc. 1926 South Sixth Street Springfield, Illinois 62703-2886 Offices Nationwide	
REHABILITATE RUNWAY 5-23	ELECTRICAL ONE LINE FOR T-HANGAR UNITS #21 THRU #32
<b>25</b> 25 of 27 sheets	