

<b>NEW</b>	ELECTRICAL	ONE	LINE	DIAGRAM	FOR	FB0	HANGAR	

DEVICE LABEL FBO MAIN DIST, PANEL MAIN DIST. PANEL 208/120VAC, 3PH, 4W FED FROM SERVICE DISCONNECT AT VAULT FBO MAIN DIST PANEL NOTE THERE IS A SECOND FEEDER DISCONNECT TO THIS BUILDING LOCATED IN THE FBO EMERGENCY PANEL ON THE SOUTHWEST WALL OF THE HANGAR FBO EMERGENCY PANEL FB0 EMERGENCY PANEL 120/208VAC, 1PH, 3W FED FROM PANEL B IN THE VAULT FBO EMERGENCY PANEL NOTE THERE IS A SECOND FEEDER DISCONNECT TO THIS BUILDING LOCATED IN THE FRO MAIN DIST. PANEL LOCATED CORNER OF THE HANGAR FBO UPSTAIRS PANEL UPSTAIRS PANEL 120/208VAC, 1PH, 3W FED FROM FBO

LEGEND PLATE SCHEDULE

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

ALL WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND THE

20 AMP BRANCH CIRCUITS SHALL USE #12 AWG THWN (MIN. 30 AMP BRANCH CIRCUITS SHALL USE \$10 AWG THWN (MIN.)

50 AMP BRANCH CIRCUITS SHALL USE #6 AWG THWN (MIN.)

- CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & REPORT ANY VARIATIONS TO RESIDENT
- 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 SUITABLY CUT OFF FROM THE HANGAR, SHALL BE CLASSIFIED AS A CLASS I, 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.
- WORK SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM AS109200.
- FURNISH & INSTALL A WEATHERPROOF WARNING LABEL FOR EACH PANELBOARD & LOAD CENTER (NEW & EXISTING), LOCATED IN THE FBO HANGAR, 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

MV054

HANSON 1

RUNWAY 15-33 P.F.C. OVERLAY NEW ELECTRICAL ONE LINE DIAGRAM FOR FBO HANGAR

21 of 29 sheets

(E-4)

EMERGENCY PANEL

WORK SHOWN ON THIS SHEET IS FOR BID ALTERNATE NO. 1