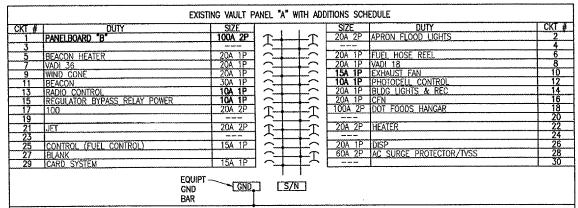
100 AMP, 120/240 VAC, 1 PHASE, 3 WIRE, 20 CIRCUIT PANELBOARD WITH MAIN LUGS IN A NEMA 1 ENCLOSURE. INCLUDE SEPARATE COPPER GROUND BAR KIT. ALL BRANCH BREAKERS SHALL BE BOLT-ON TYPE WITH 10,000 AIC AT 120/240 VAC. PANELBOARD SHALL BE SQUARE D CAT. NO. NQOD20L100CU WITH MH23 ENCLOSURE OR APPROVED EQUAL.

NOTES:

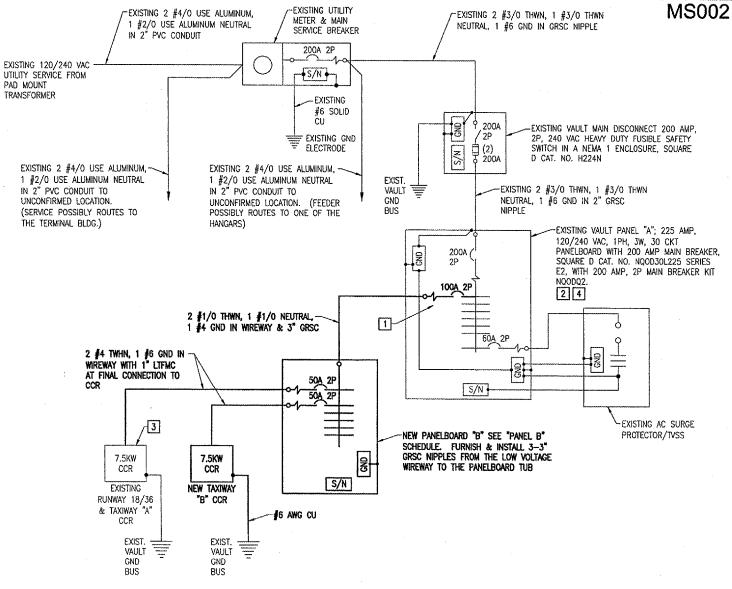
- PANELBOARD BUSSES SHALL BE COPPER.
- CONTRACTOR SHALL CONFIRM POWER REQUIREMENTS WITH THE ACTUAL NAMEPLATE ON THE CCR AND ADJUST CIRCUIT BREAKER SIZE TO CONFORM WITH NEC & MANUFACTURER'S RECOMMENDATIONS WHERE APPLICABLE.



EXISTING VAULT PANEL IS A SQUARE D CAT NO. NOOD30L225, SERIES E2, 225 AMPS, 120/240V 1 PH, 3W WITH 200 AMP, 2P MAIN BKR (ADD ON MAIN BKR KIT FOR NOOD MAIN LUG PANELBOARDS) NOODQ2

NOTES:

- REPLACE THE 50 AMP, 2 POLE BREAKER (FOR RWY 18/36 CCR) IN POSITIONS 1 & 3 WITH A NEW 100 AMP, 2 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB2100. THIS BREAKER SHALL FEED PANELBOARD "B". THE RWY 18/36 CCR CIRCUIT SHALL BE REPLACED AND RE-FED FROM PANELBOARD "B".
- REPLACE THE 20A, 1 POLE BREAKER FOR THE PHOTOCELL CIRCUIT WITH A NEW 10 AMP, 1 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240, SQUARE D CAT. NO. QOB110.
- REPLACE THE 20A, 1 POLE BREAKER FOR THE REGULATOR BYPASS RELAY POWER CIRCUIT WITH A NEW 10 AMP, 1 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB110.
- REPLACE THE 20A. 1 POLE BREAKER FOR THE EXHAUST FAN CIRCUIT WITH A NEW 15 AMP, 1 POLE, BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT. NO. QOB115.
- REPLACE THE 20A, 1 POLE BREAKER FOR THE RADIO CIRCUIT WITH A NEW 10 AMP, 1 POLE BOLT-ON BREAKER WITH 10,000 AIC AT 120/240 VAC, SQUARE D CAT, NO. QOB110.
- ALL EXISTING BREAKERS SCHEDULED FOR REPLACEMENT SHALL REMAIN AIRPORT AUTHORITY PROPERTY.
- UPDATE CIRCUIT DIRECTORY TO REFLECT ALL ADDITIONS.



NEW ELECTRICAL ONE LINE DIAGRAM FOR VAULT

KEYED NOTES

- REPLACE THE EXISTING 50 AMP, 2 POLE BREAKER THAT FEEDS RUNWAY 18/36 CCR WITH A 100 AMP, 2 POLE FOR USE AS THE FEEDER CIRCUIT TO PANELBOARD "B".
- SEE "EXISTING VAULT PANEL A WITH ADDITIONS" SCHEDULE FOR DETAILS ON CIRCUIT BREAKER REPLACEMENTS & ADDITIONS. FURNISH & INSTALL THE FOLLOWING NEW BREAKERS: 3-10 AMP, 1 POLE BOLT-ON BREAKERS 1-15 AMP, 1 POLE BOLT-ON BREAKER

1-100 AMP, 2 POLE BOLT-ON BREAKER

- THE EXISTING RUNWAY 18/36 CCR CIRCUIT SHALL BE REPLACED WITH A NEW CIRCUIT FROM PANELBOARD "B".
- [4] REPLACE THE EXISTING #12 AWG BEACON BRANCH CIRCUIT CONDUCTORS WITH 1 #8 THWN, 1 #8 NEUTRAL, 1 #8 GND.

- 1. ALL VAULT WORK AND/OR POWER OUTAGES SHALL BE COORDINATED WITH THE AIRPORT MANAGER AND THE RESIDENT ENGINEER.
- 2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS & REPORT ANY VARIATIONS TO RESIDENT ENGINEER.
- 3. 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.
- 4. ALL EQUIPMENT NOT LABELED AS EXISTING IS NEW.
- 5. HIGH VOLTAGE & LOW VOLTAGE CIRCUITS SHALL NOT BE INSTALLED IN THE SAME
- 6. GRSC DENOTES GALVANIZED RIGID STEEL CONDUIT. LTFMC DENOTES LIQUID TIGHT FLEXIBLE METAL CONDUIT UL LISTED SUITABLE FOR GROUNDING, AND SUNLIGHT
- 7. VAULT WORK SHALL BE PAID FOR UNDER ITEM AR109200.

HANSON

AIRP

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Parallel Taxiway Taxiway "B" ELECTRICAL ONE FOR VAULT

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