



- KEYED NOTES:**
- 150AMP, 120/240 VAC, 1 PH, 3W WITH GND FEEDER IN GRSC FROM SERVICE PANELBOARD "A" TO VAULT PANELBOARD "B", SEE "PROPOSED ELECTRICAL ONE LINE DIAGRAM FOR VAULT AND AIRFIELD".
 - VAULT MAIN DISTRIBUTION PANELBOARD "B".
 - AC SURGE PROTECTIVE DEVICE, SEE "PROPOSED ELECTRICAL ONE-LINE DIAGRAM FOR VAULT AND AIRFIELD".
 - LIGHTING CONTACTOR PANEL. SEE AIRFIELD LIGHTING WIRING SCHEMATIC AND LIGHTING CONTACTOR PANEL DETAIL.
 - L-854 RADIO CONTROL UNIT. EXTEND GRSC & RADIO ANTENNA CABLE AND MOUNT ANTENNA ABOVE THE SRE BUILDING ROOF AS REQUIRED FOR PROPER OPERATION. BOND GRSC AT BLDG EXTERIOR TO GND ROD WITH #2 AWG BARE CU. PROVIDE 1" SCHED 40 PVC TO PROTECT GND WIRE. GRSC WITH ANTENNA CABLE SHALL TRANSITION TO SCHED 40 PVC AT ENTRY TO VAULT.
 - RADIO RELAY INTERFACE PANEL WITH PHOTOCELL BYPASS SWITCH FOR AIRFIELD LIGHTING SYSTEM. SEE AIRFIELD LIGHTING WIRING SCHEMATIC FOR WIRING REQUIREMENTS. MOUNT PHOTOCELL AT BLDG EXTERIOR. FIELD VERIFY LOCATION FOR PROPER CONTROL AND OPERATION. BOND GRSC AT BLDG EXTERIOR TO GND ROD WITH #2 AWG BARE CU. PROVIDE 1" SCHED 40 PVC TO PROTECT GND WIRE. GRSC WITH PHOTOCELL CABLE SHALL TRANSITION TO SCHED 40 PVC AT ENTRY TO VAULT.
 - 60AMP, 240VAC, 2P DOUBLE THROW FUSIBLE SAFETY SWITCH FOR RUNWAY CCR'S.
 - TRANSFER PAIR SERIES PLUG CUTOUTS (TYPE S-1) FOR RUNWAY LIGHTING WITH ENCLOSURE. SEE GENERAL NOTES 1 & 2.
 - NEW RUNWAY 18-36 CONSTANT CURRENT REGULATOR. INCLUDE CONCRETE HOUSEKEEPING PAD. SEE GENERAL NOTE 1.
 - BACKUP/SPARE CONSTANT CURRENT REGULATOR FOR RUNWAY 18-36 RELOCATED FROM EXISTING VAULT. INCLUDE CONCRETE HOUSEKEEPING PAD. SEE GENERAL NOTE 1.
 - NEW TAXIWAY CONSTANT CURRENT REGULATOR. INCLUDE CONCRETE HOUSEKEEPING PAD. SEE GENERAL NOTE 1.
 - FURNISH AND INSTALL A UL RATED, 10 POUND CARBON DIOXIDE FIRE EXTINGUISHER SUITABLE FOR USE ON CLASS C FIRES AND A 10 POUND CLASS 4A:80B:C DRY CHEMICAL ABC FIRE EXTINGUISHER SUITABLE FOR USE ON CLASS A,B,C FIRES, IN THE VAULT SHELTER PER NFPA 10 "PORTABLE FIRE EXTINGUISHERS" CLASS C ARE FOR FIRES THAT INVOLVE ENERGIZED ELECTRICAL EQUIPMENT. FIRE EXTINGUISHERS SHALL BE MADE IN THE UNITED STATES OF AMERICA TO COMPLY WITH BUY AMERICAN REQUIREMENT. FIRE EXTINGUISHER TYPE CO2 SHALL BE AMEREX MODEL 330, ANSUL SENTRY TO MODEL CD10A-1 OR APPROVED EQUAL. FIRE EXTINGUISHER DRY CHEMICAL TYPE. ABC SHALL BE AMEREX MODEL B456, OR APPROVED EQUAL. PROVIDE WALL MOUNTING BRACKET FOR EACH FIRE EXTINGUISHER. CONFIRM MODEL NUMBERS WITH THE RESPECTIVE FIRE EXTINGUISHER MANUFACTURER.
 - SERIES PLUG CUTOUT (TYPE 2-1) FOR TAXIWAY LIGHTING WITH ENCLOSURE. SEE GENERAL NOTES 1 & 2.
 - 3-3" PVC COATED GRSC WITH PVC COATED GRSC ELBOWS FROM LOW VOLTAGE WIREWAY TO LOW VOLTAGE HANDHOLE. PROVIDE LB CONDULETS OR NEMA 4X STAINLESS STEEL PULL BOX AT INTERFACE TO BUILDING. LOCATE LOW VOLTAGE HANDHOLE APPROXIMATELY 20FT. FROM SRE BUILDING.
 - 2-3" PVC COATED GRSC WITH PVC COATED GRSC ELBOWS FROM HIGH VOLTAGE WIREWAY TO HIGH VOLTAGE HANDHOLE. PROVIDE LB CONDULETS OR NEMA 4X STAINLESS STEEL PULL BOX AT INTERFACE TO BUILDING. LOCATE HIGH VOLTAGE HANDHOLE APPROX 20FT. FROM SRE BUILDING.
 - 10'L x 3/4" DIA. UL LISTED COPPER CLAD GND ROD. CONNECTIONS TO GND RODS SHALL BE EXOTHERMIC WELD. EXISTING COPPER ROD MAY BE REUSED IN PLACE. PROVIDE #2 AWG BARE STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" SCHED 80 PVC FROM UTILITY METER TO GND. ROD.
 - 3/4" DIA. x 20'L UL LISTED COPPER CLAD GND. ROD (2-3/4" DIA. x 10'L GND RODS COUPLED TOGETHER). TOP OF GND. ROD SHALL BE 30" BELOW GRADE. PROVIDE #2 STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" SCHED 80 PVC., FROM VAULT GROUND BUS TO GND ROD. GRND RODS SHALL BE SPACED NOT LESS THAN ONE ROD LENGTH (20FT) APART.
 - ADD LINE VOLTAGE THERMOSTAT FOR EXHAUST FAN CONTROL.
 - REPAIR OR REPLACE EXISTING EXHAUST FAN LOUVER/DAMPER SYSTEM TO PROVIDE PROPER OPERATION.
 - 6FT HIGH CHAIN LINK FENCE WITH TOP RAIL. CORE DRILL INTO FLOOR TO SET FENCE POSTS IN CONCRETE, CHAIN LINK FENCE SHALL BE IN ACCORDANCE WITH ITEM 162 CHAIN-LINK FENCES AND AS DETAILED HEREIN. BOND FENCE TO VAULT GND BUS WITH #6 COPPER GND WIRE.
 - 6FT SWING GATE, 6FT HIGH.
 - 4FT SWING GATE, 6FT HIGH. COORDINATE LOCATION WITH SHELVES & SITE CONDITIONS. BOND EACH SIDE OF GATE TO VAULT GND BUS WITH #6 COPPER GND WIRE.
 - 3/4" THICK WEATHER PROOF TREATED PLYWOOD ATTACHED TO TREATED 2x6 WOOD STUDS 24" ON CENTER WITH TOP AND BOTTOM PLATE. FASTEN TO FLOOR SLAB WITH EXPANSION ANCHORS. TOP PLATE TO BE 8'-0" ABOVE FINISH FLOOR. PAINT ALL EXPOSED WOOD WITH 2 COATS OF WHITE OR GRAY ENAMEL PAINT. (VERIFY EXISTING BUILDING COLUMN SIZE)

GENERAL NOTES:

1. SEE "PROPOSED ELECTRICAL ONE-LINE FOR VAULT AND AIRFIELD" FOR LOW VOLTAGE INPUT POWER WIRING REQUIREMENTS TO CCR'S (CONSTANT CURRENT REGULATORS). SEE "HIGH VOLTAGE WIRING SCHEMATIC" FOR CCR OUTPUT WIRING REQUIREMENTS. SEE "AIRFIELD LIGHTING WIRING SCHEMATIC" FOR CCR CONTROL WIRING REQUIREMENTS. PROVIDE 5 FEET MINIMUM CLEAR WORKING SPACE IN FRONT OF EACH CCR AND EACH SERIES PLUG CUTOUT.
2. CONSTANT CURRENT REGULATORS AND THEIR RESPECTIVE SERIES PLUG CUTOUTS SHALL BE CLEARLY LABELED TO IDENTIFY THE RESPECTIVE REGULATOR DESIGNATION, RUNWAY OR TAXIWAY SERVED, POWER SOURCE OR CIRCUIT, AND VOLTAGE SYSTEM.
3. SEE ELEVATION VIEWS FOR ADDITIONAL INFORMATION ON PROPOSED EQUIPMENT LAYOUTS.
4. COORDINATE CONDUIT & SLEEVE ENTRANCES THROUGH WALLS.
5. COORDINATE EQUIPMENT & WIREWAY LAYOUT WITH EXISTING BUILDING CONSTRUCTION AND BUILDING COLUMNS.
6. COORDINATE EQUIPMENT LAYOUT AND MOUNTING WITH EXISTING BUILDING CONSTRUCTION AND BUILDING COLUMNS.

VAULT ELECTRICAL EQUIPMENT PLAN
 SCALE 1/4"=1'-0"

REVISION	DATE	FILE
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CONSTRUCT VAULT, LIGHT TAXIWAY & INSTALL NAVAIDS PROPOSED FLOOR PLAN FOR AIRPORT VAULT		
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