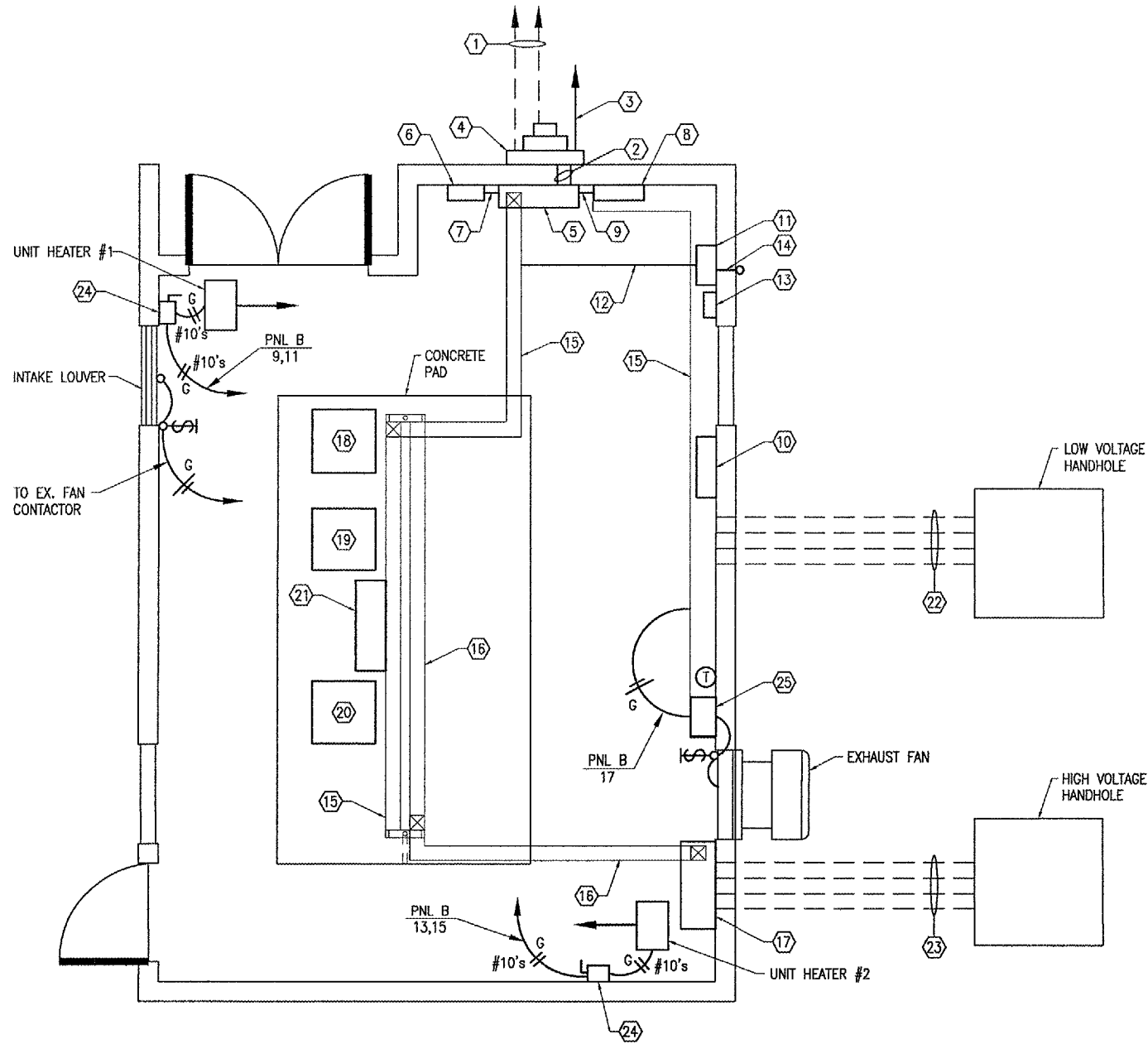


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DIXON MUNICIPAL AIRPORT
 CHARLES R. WALGREEN FIELD

CONSTRUCT REPLACEMENT
 AIRFIELD ELECTRICAL VAULT

AIP PROJECT NO. 3-17-0036-B8
 IDA PROJECT NO. C73-3548



VAULT ELECTRICAL EQUIPMENT PLAN
 SCALE 3/8"=1'-0"
 2 0 2 4 FEET

GENERAL NOTES

- SEE "NEW VAULT ELECTRICAL ONE LINE DIAGRAM" 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 CONTROL SCHEMATIC WIRING DIAGRAM" FOR CCR CONTROL WIRING REQUIREMENTS. PROVIDE 5 FEET MINIMUM CLEAR WORKING SPACE IN FRONT OF EACH CCR AND EACH SERIES PLUG CUTOUT.
- SEE ELEVATION VIEWS FOR ADDITIONAL INFORMATION ON PROPOSED EQUIPMENT LAYOUTS.
- COORDINATE CONDUIT & SLEEVE ENTRANCES THROUGH FLOOR SLAB AND WALLS.

KEYED NOTES

- 2 SETS OF 2-350MCM XHHW, 1-350 MCM NEUTRAL IN 2-WAY 3" SCHED 40 PVC CONCRETE ENCASED DUCT WITH LONG RADIUS GRSC ELBOWS FROM UTILITY TRANSFORMER TO CT CABINET.
- 2 SETS OF 2-350 MCM XHHW, 1-350 MCM NEUTRAL, 1 #2/0 GND IN 2-3" GRSC.
- #2/0 BARE STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR IN 1" SCHED 40 PVC FROM CT CABINET NEUTRAL TO GND RING.
- STAINLESS STEEL CT CABINET WITH UTILITY METER PER SERVING ELECTRIC UTILITY COMPANY REQUIREMENTS.
- SERVICE PANEL "A" SEE SERVICE PANEL "A" SCHEDULE.
- SURGE PROTECTOR/TVSS DEVICE.
- SURGE PROTECTOR/TVSS WIRING IN CONDUIT. SEE "NEW VAULT ELECTRICAL ONE LINE DIAGRAM" FOR REQUIREMENTS.
- PANEL "B". SEE PANEL "B" SCHEDULE.
- 2 #4/0 THWN, 1 #4/0 NEUTRAL, 1 #4 GND IN 3" GRSC.
- LIGHTING CONTACTOR PANEL.
- RELAY INTERFACE PANEL. SEE "AIRFIELD LIGHTING CONTROL SCHEMATIC".
- CONTROL WIRING FOR CCR'S IN 1" GRSC.
- L-854 RADIO RECEIVER. EXTEND RADIO ANTENNA CABLE IN 1" GRSC AND MOUNT ANTENNA ABOVE THE ROOF LEVEL FOR PROPER OPERATION. BOND CONDUIT TO GND RING WITH PIPE CLAMP & #2 GND WIRE AT POINT OF ENTRY TO BUILDING.
- PHOTOCELL WIRING IN 3/4" GRSC. MOUNT PHOTOCELL ABOVE ROOF LEVEL FOR PROPER OPERATION. BOND CONDUIT TO GND RING WITH PIPE CLAMP & #2 GND WIRE AT POINT OF ENTRY TO BUILDING.
- 6" BY 6" LOW VOLTAGE WIREWAY. LABEL "LOW VOLTAGE" EVERY 8 FEET.
- 6" BY 6" HIGH VOLTAGE WIREWAY. LABEL "HIGH VOLTAGE" EVERY 8 FEET.
- 36"H x 36"W x 12"D NEMA 12 HIGH VOLTAGE PULL BOX.
- RUNWAY 8-26 CONSTANT CURRENT REGULATOR, (CCR #1).
- SPARE CONSTANT CURRENT REGULATOR, (CCR #2).
- RUNWAY 12-30 CONSTANT CURRENT REGULATOR (CCR #3).
- SERIES PLUG CUTOUTS IN NEMA 12 ENCL.
- 4-4" GRSC FROM LOW VOLTAGE WIREWAY TO LOW VOLTAGE HANDHOLE.
- 4-4" GRSC FROM HIGH VOLTAGE PULL BOX TO HIGH VOLTAGE HANDHOLE.
- 30A, 2P, HD SAFETY SWITCH FOR UNIT HEATER.
- CONTACTOR FOR EXHAUST FAN IN NEMA 1 ENCLOSURE WITH H-O-A SELECTOR SWITCH, T-STAT, & FRACTIONAL HP DISCONNECT. SEE EXHAUST FAN CONTROL SCHEMATIC.

No.	Drawing Issue	Description	Date	By

Date
 JUNE 23, 2006
 Sheet Title

NEW VAULT ELECTRICAL EQUIPMENT PLAN

843-05C8010	Project Number
KNL	06/10/06
KNL	06/10/06
RMH	06/23/06
MV	---

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SHEET 19 OF 36