

KEYED NOTES

MAIN GROUND BAR; 1/4" THICK BY 4" WIDE BY 18" LONG COPPER BUS BAR WITH WALL MOUNTING BRACKETS & INSULATORS, HARGER LIGHTNING PROTECTION INC. CAT. NO. GBI14418N, OR APPROVED EQUAL. LOCATE 4' ABOVE FINISHED FLOOR.

#3/0 AWG BARE STRANDED COPPER GROUNDING ELECTRODE CONDUCTOR FROM MAIN GROUND BAR TO GROUND FIELD. PROVIDE 1" PVC SLEEVE AT BLDG EXIT. CONNECT TO GROUND BAR WITH 2-HOLE TONGUE LONG BARREL DOUBLE COMPRESSION CRIMP LUG & APPROPRIATE BOLTS, NUTS, & WASHERS. CONNECT TO GROUND FIELD WITH EXOTHERMIC WELD.

[3] #3/0 AWG COPPER GROUNDING ELECTRODE CONDUCTOR FROM MAIN GROUND BAR TO BUILDING STEEL COLUMN. CONNECTIONS SHALL BE WITH 2-HOLE TONGUE LONG BARREL DOUBLE COMPRESSION CRIMP LUG BOLTED TO RESPECTIVE DEVICE.

43/0 AWG COPPER IN 1" SCHED 40 PVC FROM MAIN GROUND BAR TO RESPECTIVE CCR GROUND

1/4" THICK BY 2" WIDE COPPER BUS BAR TO REPLACE EXISTING GROUND BUS, MOUNT TO EXISTING STRUT SUPPORT RACK. GROUND BUS BAR LENGTH SHALL SPAN SUPPORT RACK. INCLUDE MOUNTING

3/4" x 10 FT. LONG UL LISTED COPPERCLAD GROUND ROD. CONNECT GROUND RODS WITH #3/0 BARE STRANDED COPPER TO FORM A GROUND FIELD. GROUND RODS SHALL NOT BE SPACED LESS THAN 10 FEET APART. ADJUST LOCATION TO AVOID INTERFERENCE WITH EXISTING SIDEWALKS OR PAVEMENT. CONNECTIONS TO GND RODS SHALL BE EXOTHERMIC WELD.

7 #3/0 AWG COPPER IN 1" SCHED 40 PVC FROM 800 AMP SERVICE DISCONNECT GROUND BUS TO

8 #2 AWG COPPER IN 1" SCHED 40 PVC FROM 200 AMP SERVICE DISCONNECT GROUND BUS TO MAIN GROUND BAR.

#2 AWG COPPER IN 1" SCHED 40 PVC FROM 200 AMP, 3 PHASE SERVICE PANEL GROUND BUS TO MAIN GROUND BAR.

10 #1/0 AWG COPPER FROM ENGINE GENERATOR FRAME TO MAIN GROUND BAR.

[11] #6 AWG COPPER FROM DAY TANK FRAME/SUPPORT TO MAIN GROUND BAR.

[12] BOND BATTERY RACK FRAME TO ENGINE GENERATOR FRAME WITH #6 AWG COPPER BONDING JUMPER.

13 FOR EACH CONSTANT CURRENT REGULATOR DISCONNECT EXISTING #6 AWG COPPER BONDING JUMPER FROM EXISTING VAULT GROUND BUS AND RECONNECT TO NEW CCR GND BUS. SEE NOTE 3.

14 BOND HIGH VOLTAGE & LOW VOLTAGE WIREWAYS TO RESPECTIVE CCR GROUND BAR WITH #6 AWG COPPER BONDING JUMPER (WIREWAYS NOT SHOWN FOR CLARITY). SEE NOTES 3 & 4.

BOND CUTOUT ENCLOSURE TO RESPECTIVE CCR GROUND BAR WITH #6 AWG COPPER BONDING JUMPER. SEE NOTES 3 & 4.

[16] BOND L-841 PANELS, TERMINAL PANELS, PULL BOX & REGULATOR CONTROL PANEL TO CCR GND BAR #1 WITH #6 AWG COPPER BONDING JUMPER.

[17] EXISTING GROUND ROD CONNECTED TO L-841 PANELS, TERMINAL PANEL, & CONTROL PANELS SHALL

18 EXISTING GROUND RODS CONNECTED TO THE EXISTING CCR GROUND BARS SHALL BE DISCONNECTED &

[19] EXISTING CONTROL WIRING FOR RUNWAY, TAXIWAY, & OTHER AIRFIELD LIGHTING THAT RUNS FROM THE CONTROL TOWER TO THE BAGGAGE ROOM IN THE TERMINAL BUILDING AND ON TO THE VAULT SHALL BE DISCONNECTED & RECONNECTED TO AVAILABLE SPARE CONDUCTORS INSTALLED PREVIOUSLY IN 2005. SEE SPECIAL PROVISION SPEC SECTION AR109430 FOR DETAILS.

ALL GROUNDING WORK SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER ITEM AR109200 INSTALL ELECTRICAL EQUIPMENT PER LUMP SUM **DE066**

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TAXIWAY "C" RECONSTRUCTION

SCALE 1/4"=1'-0"