

MECHANICAL POWER PLAN - MEZZANINE
SCALE: 1/8" = 1'-0"

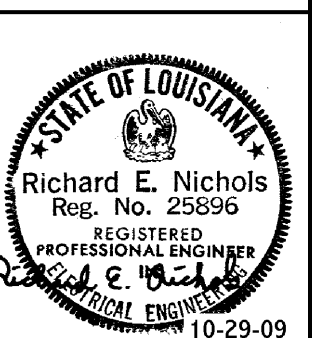
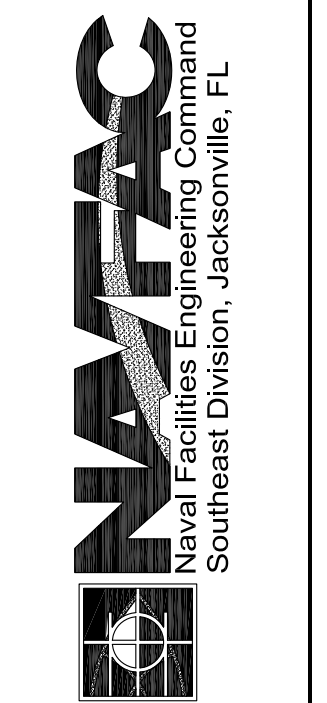


SPECIFIC NOTES: (SHEET E6.0)

- ① ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM VFD (PROVIDED BY DIV 15) BACK TO 15 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM VFD TO MECHANICAL EQ.
- ② ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM VFD (PROVIDED BY DIV 15) BACK TO 20 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM VFD TO MECHANICAL EQ.
- ③ ROUTE 3#10, 1#10 GND IN 1" CONDUIT FROM VFD (PROVIDED BY DIV 15) BACK TO 40 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#10, 1#10 GND IN 3/4" CONDUIT FROM VFD (SUPPLIED BY DIV 15) TO MECHANICAL EQ.
- ④ ROUTE 3#8, 1#10 GND IN 1" CONDUIT FROM VFD (PROVIDED BY DIV 15) BACK TO 60 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#8, 1#10 GND IN 3/4" CONDUIT FROM VFD (SUPPLIED BY DIV 15) TO MECHANICAL EQ.
- ⑤ PROVIDE 120 VOLT FOR CONTROL POWER FOR TO EACH VAV UNIT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION.
- ⑥ ROUTE 3#250, 1#4 GND IN 2.5" CONDUIT FROM 400 AMP, 3 POLE, 480 VOLT NEMA 3R DISCONNECT SWITCH BACK TO 250 AMP, 3 POLE, C/B IN DESIGNATED PANEL. MAKE CONNECTION FROM DISCONNECT TO EQUIPMENT AND FUSE DISCONNECT AS RECOMMENDED BY MANUFACTURER.
- ⑦ ROUTE 2#12, 1#12 GND IN .5" CONDUIT FROM 30 AMP, 2 POLE, DISCONNECT SWITCH BACK TO 20 AMP, 1 POLE, C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH PER MANUFACTURER'S RECOMMENDATION AND MAKE CONNECT TO BOILER. LABEL DISCONNECT SWITCH "BOILER DISCONNECT".
- ⑧ ROUTE 2#12, 1#12 GND IN .5" CONDUIT FROM 30 AMP, 2 POLE, 240 VOLT, NEMA 3R BACK TO 20 AMP, 2 POLE, C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH PER MANUFACTURER'S RECOMMENDATION AND MAKE CONNECT TO CU.
- ⑨ ROUTE 3#10, 1#10 GND IN 3/4" CONDUIT FROM 30 AMP, 3 POLE, 480 VOLT, BACK TO 30 AMP, 3 POLE, C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH AT 30 AMPS OR PER MANUFACTURER'S RECOMMENDATION AND MAKE CONNECT TO WATER HEATER.
- ⑩ ROUTE 2#10, 1#10 GND IN 3/4" CONDUIT FROM 30 AMP, 1 POLE, 277 VOLT, DISCONNECT SWITCH BACK TO 30 AMP, 1 POLE, C/B IN DESIGNATED PANEL. MAKE CONNECT TO WATER HEATER.
- ⑪ ROUTE 3#10, 1#10 GND IN 1" CONDUIT FROM 30 AMP, 3 POLE, 480 VOLT DISCONNECT SWITCH BACK TO 30 AMP, 3 POLE, C/B IN DESIGNATED PANEL. FUSE DISCONNECT SWITCH PER MANUFACTURER'S RECOMMENDATION AND MAKE CONNECT TO STEAM GENERATOR.
- ⑫ PROVIDE 120 VOLT FOR U/V LIGHT AT AHU.
- ⑬ PROVIDE 120 VOLT POWER TO SIEMENS CONTROL PANELS. VERIFY EXACT LOCATION WITH MECHANICAL CONTRACTOR.
- ⑭ ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM EXISTING STARTER BACK TO 20 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM STARTER TO EXTERNAL BLOWER FOR O2 LAMINAR FLOW BENCH. COORDINATE CONTROL POWER FROM BENCH BELOW TO STARTER. VERIFY EXACT LOCATION OF STARTER WITH EQUIPMENT INSTALLER.
- ⑮ ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM EXISTING STARTER BACK TO 15 AMP, 3 POLE, C/B IN DESIGNATED PANEL. ROUTE 3#12, 1#12 GND IN .5" CONDUIT FROM STARTER TO VIBRATION BENCH BLOWER. COORDINATE CONTROL POWER FROM BENCH BELOW TO STARTER. VERIFY EXACT LOCATION OF STARTER WITH EQUIPMENT INSTALLER.

REV.	DESCRIPTION	DATE		P.S.
		DATE	APPROVAL	
0	FINAL DESIGN	10/29/09		

NAVIRSEFAC CALIBRATION BLDG.
MECHANICAL POWER PLAN
MEZZANINE
DATE: AUGUST 14, 2008
EFD FOR COMMANDER, NAVFAC



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CONSULTING ENGINEERS
INC.
3120 20th STREET
METAIRIE, LOUISIANA 70002

FINAL DESIGN
Oct 29, 2009

Nelson WALDEMAR S. NELSON AND COMPANY
REGISTERED ENGINEERS AND ARCHITECTS
1200 ST. CHARLES AVE NEW ORLEANS, LA.

RECORD DRAWING DATE	XX-XXX-20XX
CODE I.D. NO.	D
DRAWING SIZE:	
SPEC. NO.06-	
CONSTR. CONTR. NO.	
NAVIFAC DRAWING NO.	15030966
SHEET	OF
E-6.1	