

HOT WATER BOILER									
DESIG.	INPUT MBTUH	OUTPUT MBTUH	EMT °F	LMT °F	GPM	ELECTRICAL	MAXIMUM WATERSIDE P.D. FT.	AMPS	DESIGN BASIS
B-1	750	727.5	110	130	55	120/1/60	10.5	13	RBI FUTERA FUSION 750

**NOTES:**

1. PROVIDE DUCTED COMBUSTION AIR INTAKE.
2. POSITIVE PRESSURE VENT SYSTEM.
3. FACTORY FIELD STARTUP AND OPERATIONAL TEST AND REPORT SHALL BE INCLUDED BY THE MANUFACTURER. THEY SHALL BE SUBMITTED TO ENGINEERING WITH ALL OPERATING CONDITIONS SHOWN FOR REVIEW. THEY SHALL CLEARLY AND SPECIFICALLY INDICATE THAT THE BOILER IS PROPERLY ADJUSTED PER FACTORY REQUIREMENTS AND IS ACCEPTABLE FOR USE.
4. 120V/1PH/60HZ, 20 AMP DEDICATED CIRCUIT REQUIRED TO BOILER.
5. PROVIDE A FLEE GAS THERMOWEATER AND MOUNT IN THE FLEE GAS STACK.
6. OPERATIONAL AND MAINTENANCE MANUALS.
7. AL29-4C VENT MATERIAL REQUIRED AS PER U.I. 1738.
8. THE BOILER WILL UTILIZE NATURAL GAS AS ITS FUEL SOURCE.

CAL LAB DESIGN CRITERIA			
LAB NAME	ACCEPTABLE TEMPERATURE OPERATING RANGE	ACCEPTABLE RELATIVE HUMIDITY OPERATING RANGE	
FORCE TORQUE LAB	73 +/-2 °F	30% TO 60%	
ELECTRONICS LAB	73 +/-2 °F	30% TO 60%	
TEMPERATURE LAB	80 TO 85 °F	20% TO 60%	
PRECISION DIMENSIONAL LAB	68 +/- 0.5 °F	20% TO 45%	
OXYGEN LAB	60 TO 85 °F	20% TO 60%	

**NOTES:**

1. DESIGN CRITERIA HAS BEEN TAKEN FROM NAWAR 17-35FR-06.
2. OUI LABORATORIES SHOWER WITH POSITIVE AIR PRESSURE.
3. SPACE CALIBRATION WORK AREA 121.

COMPUTER ROOM AHU SCHEDULE											
UNIT NO.	TOTAL CAPACITY BTUH	SENSIBLE CAPACITY BTUH	ENT-F DB	LVT-F DB	VOLUME V/PH/HZ	UNIT F/LA	EXT. ESP	MODEL			
CAHU-1	18.0	18.0	75.0	72.3	60.2	59.2	55.1	208/1/60	0.56	0	ENVROMASTER INT'L - WUHA24

**NOTES:**

1. AMBIENT CONDITIONS @ 95°F.
2. MOTOR FANS @ 70% COEFFICIENT W/D-LIFE FILTER CONDITION.
3. PROVIDE DIRECT DRIVE WITH ADJUSTABLE SPEED SUPPLY FAN MOTORS.
4. PROVIDE STANDBY 2" THROWAWAY FILTERS.
5. SINGLE POINT POWER ENTRY.
6. EQUIPMENT MANUFACTURE SHALL SIZE REFRIGERANT LINES FOR PROPER OPERATION. SUBMIT SHOP DRAWING.
7. PROVIDE EXPANSION VALVES PER CIRCUIT.
8. PROVIDE SERVICE DISCONNECT SWITCH.

REHEAT COIL SCHEDULE					
MARK	LOCATION	HEATING CFM	HEATING GPM	TEMPERATURE RISE	DISCHARGE TEMP
RHC-1	FORCE TORQUE LAB	2,067	7.0	31.4	74.4
RHC-2	ELECTRONICS LAB	2,639	8.7	30.6	73.6
RHC-3	TEMPERATURE LAB	1,024	3.4	30.4	73.4
RHC-4	PRECISION DIMENSIONAL LAB	882	2.9	30.5	73.5
RHC-5	OXYGEN LAB	1,200	3.9	30.4	73.4
RHC-6	VESTIBULE	30	0.5	35.5	79.5

**NOTES:**

1. THE RE-HEAT COIL FOR THE FORCE TORQUE LAB, O2 LAB, PRECISION DIMENSIONAL LAB, TEMP LAB & ELECTRONICS LAB SHALL HAVE 1/2" WIDE FINNED TUBES.
2. MAX. AIR PRESSURE DROP SHALL BE 0.2" W.G.
3. HEATING COIL SHALL BE 2 ROW MINIMUM.
4. ENTERING HEATING WATER TEMPERATURE IS 130°F.
5. DDC CONTROLLER PROVIDED BY CONTROL CONTRACTOR AND INSTALLED BY FACTORY.
6. PROVIDE FACTORY INSTALLED TRANSFORMER 120V/24V.
7. EACH UNIT SHALL BE TAGGED FROM THE FACTORY WITH THE CORRESPONDING MARK.

COMPUTER RM CONDENSER UNIT SCHEDULE						
UNIT NO.	NOM. TOTAL CAPACITY BTUH	VOLUME V/PH/HZ	MCA	UNIT DESIGN BASIS	NOTES	
CCU-1	18.0	208/1/60	7.6	EMI - STCAB		1-4

**NOTES:**

1. PROVIDE SUCTON LINE DRYER.
2. UNIT MANUFACTURER TO SIZE REFRIGERANT PIPE FOR COMPLETE SYSTEM. SUBMIT SHOP DRAWING.
3. AMBIENT CONDITIONS 95°F.
4. PROVIDE CONTROLS FOR OPERATION OF CONDENSING UNIT TO OF OUTSIDE AMBIENT TEMPERATURE.


STEAM HUMIDIFIER SCHEDULE						
MARK	LOCATION	CFM	TOTAL CAP. (LBS./HR)	ENT DB (°F)	DESIGN ROOM RH (%)	DESIGN ROOM DISCHARGE TEMP (°F)
H-1	AHU-2 SA DUCT - MEZZANE	7,650	55.82	43	45.0	460/3/60

**NOTES:**


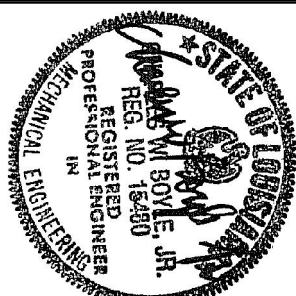

1. BASIS OF DESIGN IS A VAPOR MIST (VM--16) STEAM HUMIDIFIER (16kW, 460/3/60, F/LA 19.2 AMPS).



**HUSEMAN & Associates**  
 ARCHITECTURE & INTERIOR PLANNING ENGINEERING  
 3927 N. I-10 SERVICE RD. (504) 456-3119  
 SUITE 2019, METairie, LA 70002 FAX (504) 456-3122  
 Job No. 09103011  
 Drawn By: RP  
 Designed By: JL  
 Checked By: GB



**WALTER S. NELSON AND COMPANY**  
 ENGINEERS AND ARCHITECTS  
 1200 ST. CHARLES AVE. NEW ORLEANS, LA.

 Naval Facilities Engineering Command Southeast Division, Jacksonville, FL	NAS JRB New Orleans Belle Chasse, Louisiana	<b>NAVIRSEFAC CALIBRATION BLDG.</b> HVAC SCHEDULE - SHEET 2 OF 2	DRAWING REVISIONS <table border="1"> <thead> <tr> <th>REV.</th> <th>DESCRIPTION</th> <th>PREP</th> <th>DATE</th> <th>APPROV.</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>FINAL DESIGN</td> <td>RP</td> <td>10/29/08</td> <td>CB</td> </tr> </tbody> </table>	REV.	DESCRIPTION	PREP	DATE	APPROV.	0	FINAL DESIGN	RP	10/29/08	CB	RECORD DRAWING DATE CODE ID NO. 1009 DRAWING SIZE: D SPEC. NO. 08- CONSTR. CONTR. NO. NAVFAC DRAWING NO. 150303Z SHEET 3 OF 15 M-01.1
	REV.	DESCRIPTION	PREP	DATE	APPROV.									
0	FINAL DESIGN	RP	10/29/08	CB										
	APPROVED DATE: AUGUST 22, 2008 EPD FOR COMMANDER, NAVFAC	 <b>BROADMOOR, L.L.C.</b> BUILDING by DESIGN 2740 North Amcott Road Metairie, Louisiana 70002 www.broadmoorllc.com												