

EXHAUST FAN SCHEDULE

LABEL	MANUFACTURER & MODEL NUMBER	CFM	SP	MOUNTING ARRANGEMENT	HP	RPM	ELEC (V/PH)	REMARKS
EF-1	GREENHECK #H-G-060-G	100	0.1	ROOF	1/100	1300	115/1	1,2,3,4,5

NOTES :
 1. FURNISH WITH MANUFACTURER PROVIDED SPEED CONTROLLER, ISOLATION HANGERS, BACKDRAFT DAMPER AND DISCONNECT SWITCH. 5. CONTROL SHALL BE THROUGH BATHROOM LIGHT SWITCH
 2. ALL EXHAUST FANS TO BE EQUIP WITH BACKDRAFT DAMPERS
 3. ALL EXHAUST OUTLETS THRU ROOF AND WALLS TO HAVE A RAINGAP AND INSECT SCREEN
 4. PROVIDE FAN SELECTION FOR A MAXIMUM NOISE GENERATION OF 1.5 SONES.

AIR CONDITIONING SYSTEMS SCHEDULE

AIR HANDLING UNIT YORK OR APPROVED EQUAL										AIR-COOLED COND. UNIT YORK OR APPROVED EQUAL				SYSTEM							
UNIT NO.	CAPACITY (TONS)	C.F.M	WEIGHT LBS.	E.S.P. IN H.2.O	H.P.	AMPS/MOCP	ELECTRIC HEATING KW STAGE	MODEL NUMBER	COMPRESSOR		REFRIG PIPE		MODEL NO.	MOCP (AMPS)	CAPACITY TOTAL SENS (MBH)	ELEC (V/PH)	SEER	ENTERING DB'/WB'	LEAVING DB'/WB'		
									M.C.A	L.R.A	SUC.	LIQ.									
AHU-1	5	1950	190	0.5	1.0	53.1 / 60	7.5	1	MV200/MC620	34.8	-	1-1/8	3/8	CZH06011	60	58.2	43.2	208/1	16.0	80.0/67.0	59.5/57.6
AHU-2	5	1950	190	0.5	1.0	53.1 / 60	7.5	1	MV200/MC620	34.8	-	1-1/8	3/8	CZH06011	60	58.2	43.2	208/1	16.0	80.0/67.0	59.5/57.6
AHU-3	2	800	-	0.5	1/3	27.5 / 30	3.6	1	MV120/MC480	15.6	-	3/4	3/8	CZH02411	25	24.6	18.0	208/1	18.0	80.0/67.0	59.2/57.3
AHU-4	2	800	-	0.5	1/3	27.5 / 30	3.6	1	MV120/MC480	15.6	-	3/4	3/8	CZH02411	25	24.6	18.0	208/1	18.0	80.0/67.0	59.2/57.3
AHU-5	5	1950	190	0.5	1.0	53.1 / 60	7.5	1	MV200/MC620	34.8	-	1-1/8	3/8	CZH06011	60	58.2	43.2	208/1	16.0	80.0/67.0	59.5/57.6

- NOTES:
 1. YORK IS THE BASIS OF DESIGN AND THE STANDARD FOR COMPARISON.
 2. NOT USED.
 3. MANUFACTURER SHALL PROVIDE COMPLETE ARI CERTIFIED AND UL LABELED.
 4. MANUFACTURER SHALL PROVIDE COMPLETE WITH FACTORY INSTALLED TRANSFORMER AND DISCONNECT.
 5. MANUFACTURER SHALL PROVIDE COMPLETE WITH FACTORY CONDENSATE FLOAT SWITCH FOR DRAIN PAN.
 6. MANUFACTURER SHALL PROVIDE COMPLETE WITH 1" THICK PLEATED, PERMANENT WASHABLE FILTERS (30% ASHRAE ATMOSPHERIC DUST SPOT EFFICIENCY), WITH FRAME, AND HOUSING.

HVAC DESIGN REQUIRES

	YES	NO
DUCT SMOKE DETECTOR(S)	X	
FIRE DAMPER(S)		X
SMOKE DAMPER(S)	X	
FIRE RATED ENCLOSURE		X
FIRE RATED ROOF/FLOOR CEILING ASSEMBLY		X
FIRE STOPPING (SEE ARCH.)	X	
SMOKE CONTROL	X	

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
---	DUCTWORK TO BE REMOVED
---	EXISTING DUCTWORK/PIPING TO REMAIN
---	NEW DUCTWORK
FD	NEW FIRE DAMPER
---	NEW FLEX DUCTWORK
Ⓜ	THERMOSTAT
Ⓜ	DUCT SMOKE DETECTOR
Ⓜ	MOTORIZED DAMPER
Ⓜ	NEW RETURN DIFFUSER
Ⓜ	NEW SUPPLY DIFFUSER
Ⓜ	CONNECT TO EXISTING AT THIS POINT

AIR TERMINAL SCHEDULE

TYPE	SERVICE	CFM RANGE		SIZE	NECK	MANUFACTURER/MODEL
		MIN	MAX			
A	SUPPLY	0	250	24x24	8"	TITUS PAS
		251	320	24x24	10"	TITUS PAS
		321	400	24x24	12"	TITUS PAS
		401	500	24x24	14"	TITUS PAS
		501	630	24x24	16"	TITUS PAS
B	RETURN/EXHAUST	0	150	24x24	8"	TITUS SOF
		151	225	24x24	10"	TITUS SOF
		226	400	24x24	12"	TITUS SOF
		401	600	24x24	14"	TITUS SOF
		601	710	24x24	16"	TITUS SOF
C	SUPPLY	0	240	12x12	8"	TITUS PAS
		221	330	12x12	10"	TITUS PAS
D	RETURN/EXHAUST	0	150	12"x12"	6x6	TITUS SOF
		151	285	12"x12"	10x8	TITUS SOF
		286	400	24"x12"	12"x8"	TITUS SOF
E	SIDEWALL SUPPLY	0	1850	48x12	-	TITUS 1700
F	SIDEWALL RETURN/EXHAUST	0	1850	48x12	-	TITUS 1700

- SEE DETAIL SHEET(S) FOR ADDITIONAL INFORMATION
- PROVIDE ALL UNITS WITH OPPOSED BLADE DAMPERS
- DIFFUSER RUNOUT SIZE SHALL BE DIFFUSER NECK SIZE, UNLESS OTHERWISE NOTED ON PLANS
- ALL SUPPLY AIR DIFFUSER AIR THROW PATTERNS ARE 4-WAY UNLESS OTHERWISE INDICATED ON MECHANICAL PLANS
- PROVIDE SURFACE MOUNT HARDWARE IN ALL INACCESSIBLE CEILING SYSTEMS
- PROVIDE LAY-IN MOUNT HARDWARE IN ALL SUSPENDED CEILING SYSTEMS
- PROVIDE FULL LENGTH PLENUM FOR SIDEWALL AND LINEAR SLOTS
- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR LOCATIONS OF DIFFUSERS
- PROVIDE SELECTION BASED ON A MAXIMUM RADIATED NOISE OF NC-30

VENTILATION 62-2001 CONFORMANCE (2004 FMC TABLE 403.3)

UNIT NO.	NO. OF PEOPLE	OUTSIDE AIR RATE (CFM/PERSON)	MINIMUM REQUIRED OUTSIDE AIR (CFM)	SUPPLIED OUTSIDE AIR (CFM)	EXCESS OUTSIDE AIR (CFM)	REMARKS
AHU-1	13.5	20	270	270	0	
AHU-2	17.5	20	350	350	0	
AHU-3	4	20	80	80	0	
AHU-4	5	20	100	100	0	
AHU-5	14	20	280	280	0	
TOTAL	54		1080	1080		

- A. ALL DUCTWORK SHALL BE KEPT SEALED TO PREVENT CONTAMINATION BY DUST OR OTHER DEBRIS DURING CONSTRUCTION. SEAL THE END OF DUCTWORK WITH PLASTIC SHEETING AND DUCT TAPE. PROTECT ALL DUCTWORK STORED ON-SITE PRIOR TO FABRICATION AND INSTALLATION IN A SIMILAR FASHION.
 B. ALL EQUIPMENT SHALL BE SUPPLIED AND INSTALLED WITH PROVISIONS FOR IN-PLACE CLEANING AND MAINTENANCE TASKS IN ACCORDANCE WITH THE REQUIREMENTS OF ASHRAE STANDARD 62-89R.
 C. CHANGE IN SPACE USE, CONTAMINANTS, OR OPERATION MAY REQUIRE A RE-EVALUATION OF THE DESIGN AND IMPLEMENTATION OF NEEDED CHANGES.
 *RATES ARE BASED ON 2007 FLORIDA MECHANICAL CODE, SECTION 403.3. VENTILATION RATES, TABLE 403.3 EXCEPTION FOR USING ASHRAE 62.1 2007 EDITION TABLE 6.1:
 OFFICE: 20 CFM/PERSON X 54 PEOPLE = 1,080

TEST & BALANCE NOTES

1. PRECONSTRUCTION:
 PRIOR TO COMMENCEMENT OF ANY HVAC WORK AN INDEPENDENT AABC OR NEBB CERTIFIED TAB CONTRACTOR SHALL MEASURE AND DOCUMENT IN A TYPED REPORT THE AIRFLOW QUANTITIES PROVIDED OR EXHAUSTED BY ALL EXISTING EQUIPMENT AND DUCTS TO REMAIN THAT SERVE OR ARE SERVED FROM THE RENOVATED AREA. SUBMIT DATA TO ENGINEER FOR REVIEW.
 THE FOLLOWING INFORMATION IS REQUIRED:
 - AIR FLOW OF ALL AIR DEVICES IN RENOVATED AREA(S).
 - AIR FLOW (TRAVERSE) AT MAINS AND BRANCH DUCTS SERVING THE RENOVATED AREA(S).
 - AIR FLOW AT UNITS (TRAVERSE) AT MAINS AND BRANCH DUCTS SERVING THE RENOVATED AREA(S).
 - SUCTION AND DISCHARGE STATIC AT UNITS SERVING THE RENOVATED AREA(S).
 PRIOR TO STARTING ANY CONSTRUCTION WORK FOR ALL UNITS SERVING THE RENOVATED AREA(S).
 - PROVIDE EXISTING UNIT AND MOTOR NAME PLATE DATE.
2. FINAL CONSTRUCTION:
 UPON COMPLETION OF THE HVAC RENOVATION WORK, THE SAME CONTRACTOR SHALL REBALANCE THE NEW AND EXISTING EQUIPMENT AND DUCTS TO PROVIDE INDICATED AIR QUANTITIES TO THE RENOVATED SPACE. ANY ADDITION OF DAMPERS, ADJUSTMENTS, FAN SPEED, CHANGE OUT OF PULLEYS, ETC.) REQUIRED FOR THIS SHALL BE INCLUDED IN THIS CONTRACTORS PROPOSAL.
3. FINAL REPORT:
 SUBMIT FINAL TEST AND BALANCE REPORT TO ENGINEER FOR REVIEW AND ACCEPTANCE. ONE WEEK



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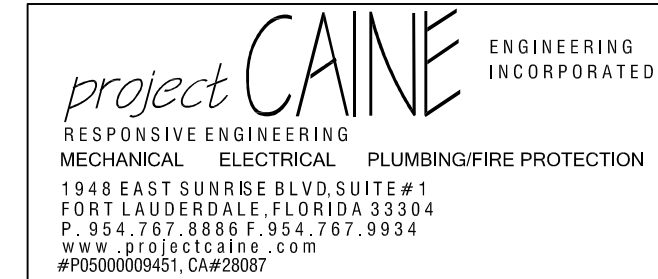
CONSULTANT:

NEW FACILITY FOR:

HAVERHILL MEDICAL
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WEST PALM BEACH, FL 33421

DATE: 09.24.2010
 NUMBER: A10-008
 REVIEWED: RBC
 MANAGED: XXX
 DRAWN/DRAWN BY:



MECHANICAL
SCHEDULES

M-2.0.0