AIR HANDLING UNIT SCHEDULE

MECHANICAL REQUIREMENTS

MARK	LOCATION	SERVICE	MAGICAIRE MODEL	CFM	OUTDOOR AIR MIN CFM	SP (SUPPLY FAN) EXT	SP (SUPPLY FAN) TOT	RPM	OV	BHP (SUP.)	HP (SUP.)	COOLING 4 ROW COIL TOT	COOLING 4 ROW COIL SENS	COOLING 4 ROW COIL GPM	COOLING 4 ROW COIL W.P.D.	BHP (RET.)	HP (RET.)	HEATING COIL W.P.D.	HEATING COIL MBH	HEATING COIL GPM	REMARKS
AHU–1	GALLERY	CONTROL RM/GALLERY	BM80	5800	430	1.7	2.2	836	1611	3.42	5	198.6	146.9	43	9.2	–	–	5	310.5	31	1,2,3,4,5,6,7,8,9

REMARKS: SELECTION BASED ON MAGICAIRE

1. PROVIDE WITH MIXING SECTION.
2. PROVIDE WITH PREMIUM EFFICIENCY MOTOR.
3. PROVIDE WITH STAINLESS STEEL DRAIN PAN
4. PROVIDE EXTRA FILTERS AND BELTS.

REMARKS CONTINUED:

5. PROVIDE WITH INTERNALLY ISOLATED FAN.
6. PROVIDE WITH 2 ROW HEATING COIL.
7. PROVIDE WITH 6 ROW CHILLED WATER COIL.
8. CONTRACTOR TO VERIFY COIL CONNECTION, FILTER PULL & MOTOR ACCESS PRIOR TO RELEASE OF ORDER.

REMARKS CONTINUED:

9. COORDINATE POWER REQUIREMENTS & CONNECTION LOCATION WITH DIV. 16.

ELECTRICAL REQUIREMENTS

VOLTAGE & PHASE	CIRCUIT PROTECTION DEVICE	POWER SUPPLY	INDIVIDUAL STARTER TYPE	INDIVIDUAL STARTER SIZE	INDIVIDUAL STARTER BY	INDIVIDUAL STARTER LOCATION	DISCONNECT AT EQUIPMENT TYPE	DISCONNECT AT EQUIPMENT SIZE	DISCONNECT AT EQUIPMENT BY	REMARKS
460/3/60	15A	MCC–4	FVNR	1	DIV–16	MECHANICAL RM	NON–FUSED	30A	DIV. 16	1,2

REMARKS:

1. OVERCURRANT PROTECTION DISCONNECTS LOCATED IN MECHANICAL ROOM ON FIRST FLOOR AT CONTROL ROOM/VISITORS AREA.

2. PROVIDE 480V, 3 PHASE NEMA SIZE 1 FVNR STARTER IN NEMA 1 ENCLOSURE WITH 120V CPT, RUN PILOT LIGHT (RED), (2) N.O. AND (2) N.C. AUX. CONTACTS AND H–O–A SWITCH. PROVIDE OVERLOAD RELAYS TO MATCH EQUIPMENT REQUIREMENTS.

PUMP SCHEDULE HYDRONIC

MECHANICAL REQUIREMENTS

MARK	LOCATION	SERVICE	MODEL	GPM	HEAD FT	RPM	IMPELLER	BHP	HP	EFFICIENCY %	REMARKS
P–1 & P–2	CHILLER	AHU–1	B & G 1–1/4AC	44	28.2	1750	5.125	–	0.75	60	1,2,3

REMARKS:
1. PROVIDE AS INTEGRAL PUMP PACKAGE TO CHILLER.
2. PROVIDE WITH SUCTION DIFFUSER AND VALVES.
3. REFER TO AIR COOLED CHILLER SCHEDULE FOR ADDITIONAL REQUIREMENTS.

ELECTRICAL REQUIREMENTS

VOLTS & PHASE	CIRCUIT PROTECTION DEVICE	POWER SUPPLY	INDIVIDUAL STARTER TYPE	INDIVIDUAL STARTER NEMA SIZE	INDIVIDUAL STARTER BY	INDIVIDUAL STARTER LOCATION	DISCONNECT SWITCH TYPE	DISCONNECT SWITCH SIZE	DISCONNECT SWITCH BY	DISCONNECT SWITCH LOCATION	REMARKS
460/3/60	60A	DISC.#2	–	–	–	–	DISC.FUSED	60A	DIV. 16	MECH. RM	1.

REMARKS:

1. OVERCURRANT PROTECTION DISCONNECTS LOCATED IN MECHANICAL ROOM ON FIRST FLOOR AT CONTROL ROOM/VISITORS AREA.

SUPPLIMENTAL FILTER SCHEDULE

MECHANICAL REQUIREMENTS

MARK	SERVICE	MODEL	CFM	APD (WG)	EFF %	SIZE W	SIZE D	SIZE H	HP	REMARKS
F1	AHU–1	SECURE SEAL	5800	0.425	MERV 15	49.25	48	37	–	1,2,3,4,5,6

ELECTRICAL REQUIREMENTS

VOLTS & PHASE	CIRCUIT PROTECTION DEVICE	POWER SUPPLY	DISCONNECT AT EQUIPMENT TYPE	DISCONNECT AT EQUIPMENT SIZE	DISCONNECT AT EQUIPMENT BY	REMARKS
110/1/60	–	–	–	–	–	–

REMARKS: BASED ON STRionAir
1. LISTED AIR PRESSURE DROP IS FOR NEW FILTERS.
2. PROVIDE CARBON IMPREGNATED PREFILTER FILTER.
3. WITH FACTORY PACKAGED CONTROLS.
4. POWERED FROM SEPARATE SOURCE.
5. PROVIDE WITH ACCESS DOOR.
6. PROVIDE WITH EXTRA PREFILTERS.

CONNECTICUT RESOURCES RECOVERY AUTHORITY
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A&E SEAL

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REVISIONS

NUMBER	DATE	REMARKS

CONTROL ROOM HVAC SYSTEMS IMPROVEMENT

300 MAXIM ROAD
HARTFORD, CT.

PROJECT NO:	36937520.00001
DRAWN BY:	DEP
CHECKED BY:	VMD
DATE:	04/28/08
CADD FILE:	AS NOTED

MECHANICAL SCHEDULES

ME-601

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