AIR COOLED CHILLER SCHEDULE

MECHANICAL SCHEDULE

MARK	LOCATION	MODEL	NOMINAL CAPACITY TONS	AMBIENT AIR	COND FANS NO/HP	COND FANS RPM	SUCTION TEMP.	COMP. NO/HP	MIN. STEPS OF CAPACITY CONTROL	HYDRONIC CHILLER DATA GPM	HYDRONIC CHILLER DATA PD FT. H2O	HYDRONIC CHILLER DATA EWT	HYDRONIC CHILLER DATA LWT	COMPRESSORS TOTAL TONS	COMPRESSORS NO.	COMPRESSORS RPM	COMPRESSORS RLA	COMPRESSORS TOTAL AMPS	MIN CKT. AMPS	REC OPD SIZE	REMARKS
CH-1	ADMIN ROOF	CGAFC20	17.3	95	2/1	1140	36.1	2	2	43.6	5.34	44	54	20	2	3600	34.4	34.4	45.5	60	1,2,3,4,5,6,7,8,9,10,11,12,13

ELECTRICAL SCHEDULE

MARK	VOLTAGE & 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
CH-1	460/3/60	60A	MCC-4	–	–	DIV. 15	AT UNIT	NON-FUSED	60A	DIV. 16	MECH.RM	1,2

REMARKS: DESIGN IS BASED ON TRANE.

1. PROVIDE WITH INTEGRAL DUAL PUMP PACKAGE, INCLUDING EXPANSION VALVE, AIR SEPARATOR, AIR VENT, SUCTION DIFFUSERS, TRIPLE DUTY VALVE, ISOLATION VALVES, PRESSURE/TEMPERATURE GAUGES, FLOW SWITCH & STRAINER. SEE PUMP SCHEDULE FOR MODEL AND PERFORMANCE DATA.
2. PROVIDE WITH INTEGRAL 120 GALLON STORAGE TANK INSULATED WITH UV RESISTANT PVC JACKET STORAGE TANK MOUNTED ON CHILLER SKID.
3. PROVIDE WITH LAN CONTROL INTERFACE FOR REMOTE MONITORING & SUPERVISION COMPATIBLE WITH AUTOMATIC TEMP. CONTROL SYSTEM.
4. PROVIDE WITH HOT GAS BYPASS CAPACITY CONTROL.
5. SELECTION BASED ON 30% PROPYLENE GLYCOL SOLUTION.
6. PROVIDE UNPOWERED GFI RECEPTACLE.
7. PROVIDE WITH LOW AMBIENT CONTROL.
8. COORDINATE INSTALLATION WITH STRUCTURAL DRAWINGS.
9. PROVIDE WITH 5 YEAR COMPRESSOR WARRANTY.
10. PROVIDE FACTORY START UP.
11. COORDINATE POWER REQUIREMENTS & CONNECTION LOCATION WITH DIV 16.
12. MAIN EER: 14.8; IPLV: 14.4.
13. PROVIDE PREMIUM EFFICIENCY MOTOR.

REMARKS:

1. OVERCURRANT PROTECTION DISCONNECTS LOCATED IN MECHANICAL ROOM ON FIRST FLOOR AT CONTROL ROOM/VISITORS AREA.
2. NEAM 3R

FAN SCHEDULE

MECHANICAL REQUIREMENTS

MARK	LOCATION	SERVICE	MODEL	TYPE	CFM	SP	FAN RPM	BRAKE HP	HP (WATTS)	SONES/Dba	DISCHARGE SOUND POWER LEVELS (OCTAVE BANDS) 1	2	3	4	5	6	7	8	REMARKS
RF-1	GALLERY	AHU-1	QEI-24-I	IN-LINE	5400	0.625	667	0.79	1	63	78	77	72	71	70	68	60	50	1,3,4,5,6

ELECTRICAL REQUIREMENTS

MARK	VOLTAGE & 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
RF-1	480/3/60	15A	MCC-4	FVNR	1	DIV. 16	MECH. ROOM	NON-FUSED	30A	DIV. 16	MECH.RM	1,2,3

REMARKS: BASED ON GREENHECK

1. PROVIDE PREMIUM EFFICIENCY MOTOR.
2. N/A
3. PROVIDE WITH FAN MOUNTED DISCONNECT SWITCH, TOGGLE TYPE.
4. PROVIDE WITH FLANGED INLET AND OUTLET.
5. PROVIDE WITH INSULATION SUPPORT PACKAGE.
6. PROVIDE WITH ACCESS DOOR.

REMARKS:

1. OVERCURRANT PROTECTION DISCONNECTS LOCATED IN MECHANICAL ROOM ON FIRST FLOOR AT CONTROL ROOM/VISITORS AREA.
2. NEMA 1
3. 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.

CONNECTICUT RESOURCES RECOVERY AUTHORITY
TEL. NO. (860)-757-7700
FAX. NO. (860)-757-7743

A&E FIRM

URS
URS CORPORATION AES
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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-600

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