

HEATING, VENTILATING AND AIR CONDITIONING UNIT SCHEDULE

S Y S T E M										F A N D A T A										F I L T E R D A T A										C A M B O D I E F I L T E R										H E A T I N G C O I L S									
UNIT NUMBER	S E R V I C E	LOCATION	TYPE OR RIG	TOTAL AIR QTY (CFM)	MINIMUM O.A. (CFM)	MODEL NUMBER	OUTLET VELOCITY (FT/Min)	STATIC PRESSURE (INCHES W.G.)	ROTATING INCHING	CLASS	DRIVE/REVERSE/ON/OFF	FAN SPEED (RPM)	WHEEL DIAMETER (INCHES)	WHEEL MAXIMUM DIAMETER (INCHES)	MOTOR DATA	W.B. (INCHES)	TYPE	MODEL NUMBER	TOTAL FACE AREA (FT ²)	MAX. VELOCITY (FPM)	MAXIMUM PRESSURE DROP (INCHES W.G.)	ALTERNATE PRESSURE DROP (INCHES W.G.)	SIZE H x W	REMARKS:	SERVICE	COIL AREA (FT ²)	MAXIMUM VELOCITY (FPM)	TYPE OF COIL	TOTAL COIL LOAD	TEMPERATURE IN	TEMPERATURE OUT	VALVE	REMARKS:																
AHU-1	GENERAL SUPPLY	MECH'L ROOM	BUILD-UP RIG	105000	25500	AF-66 DW	2350	4"	ON	FLOOR II	TH. C.W.	550	66	86	100	1750	AS SHOWN II	3 1/2"	H-FLO	43 S 85	20	530	.37	.80	36"	10-0-200 24 X 24	PREHEAT COIL	120.3	1000	I	33	1140	45	55	.25	1140	5												
AHU-2	CONCERT HALL	MECH'L ROOM	"	45000	11200	AF-44 DW	2200	3 3/4"	"	II	TH. C.W.	770	44 1/2	31	40	1750	II	3"		43 Y 85	77	480	.37	.80	29"	80 X 116 24 X 20	PREHEAT COIL	55.0	I	33	490	45	55		490														
AHU-3	REHEARSAL RMS	MECH'L ROOM	"	18000	4500	AF-30 DW	2000	3 3/4"	"	II	U B C.W.	1100	30	15	1750	II	1 1/2"	*	43 Y 85	77	480	.37	.80	29"	60 X 66 24 X 20	PREHEAT COIL	22.5	I	33	195	45	55		195															
AHU-4	PRACTICE RMS	MECH'L ROOM	"	10000	2500	AF-30 SW	2000	3"	"	I	U B C.W.	1050	30	6.30	10	1750	II	1 1/2"		43 O 85	56	360	.28	.50	21"	40 X 66 24 X 20	PREHEAT COIL	13.8	I	33	435	45	85		435														
AHU-5	MUSIC THEATER	MECH'L ROOM	"	31700	7850	AF-36 DW	2300	3 3/4"	"	II	TH. C.W.	950	36 1/2	22.8	30	1750	II	2"	▼	43 Y 85	77	480	.37	.80	29"	60 X 66 24 X 20	PREHEAT COIL	37.5	I	33	345	45	55	▼	345	▼													
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COOLING COILS

CFM	FACE AREA (FT ²)	MAXIMUM AIR VELOCITY (FPM)	ROWS	FIN PITCH (INCH)	WATER INCHES	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)	WATER PITCH (INCHES)
105000	210	550	8	6 1/2	482	199	20.7	42	57	78	68	34.7	54.0		
45000	57.5		8	6 1/2	209	94	7.3	42	57	78	68	54.7	54.0		
18000	37.5		6	6 1/2	77	47	9.9	42	57	78	68	55.8	55.0		
10000	22.5		8	6 1/2	44	52	12	42	57	78	68	54.7	54.0		
31700	60.0		8	6 1/2	135	91	19.5	42	57	78	68	54.8	54.1		

STEAM HUMIDIFIER SCHEDULE

NO.	SERVICE	LOCATION	QUANTITY	ORIFICE SIZE	MINIMUM CAPACITY (GAL/HR)	REMARKS
H-1	SYSTEM - AHU-1	MECH. ROOM	4	1 1/8"	4 750	
H-2	SYSTEM - AHU-2	MECH. ROOM	2	1"	2 700	
H-3	SYSTEM - AHU-3	MECH. ROOM	1	3/4"	470	
H-4	SYSTEM - AHU-4	MECH. ROOM	1	5/8"	220	
H-5	SYSTEM - AHU-5	MECH. ROOM	1	1 1/4"	850	

HEAT EXCHANGER SCHEDULE

UNIT NO.	SERVICE	LOCATION	MANUFACTURER	MODEL NUMBER	MINIMUM ORIFICE SIZE	QUANTITY	ORIFICE SIZE	MINIMUM CAPACITY (GAL/HR)	REMARKS
HE-1	RADIATORS	MECH. ROOM	CV-2D	976	125	1	190	210	
HE-2	RADIATORS	MECH. ROOM	CV-2D	976	125	1	190	210	
HE-3	REHEAT COILS	MECH. ROOM	CV-2E	225	270	3.5	150	200	
HE-4	REHEAT COILS	MECH. ROOM	CV-2E	225	270	3.5	150	200	

FAN SCHEDULE

FAN NUMBER	SERVICE	LOCATION	TOTAL AIR QTY (CFM)	MODEL NUMBER	FACE VELOCITY (FPM)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)	MAXIMUM PRESSURE DROP (INCHES)
RA-1	GENERAL SUPPLY	MECH. ROOM	84000	AF-56	2350	4"	ON	FLOOR II	TH. C.W.	550	56	100	1750	PHON II	
RA-2	CONCERT HALL	MECH. ROOM	37200	AF-44	2200	3 3/4"	II	TH. C.W.	770	44 1/2	31	40	1750	II	
RA-3	REHEARSAL RMS	MECH. ROOM	15500	AF-30	2000	3 3/4"	II	UB C.W.	1100	30	15	1750	II		
RA-4	PRACTICE RMS	MECH. ROOM	7500	AF-30	2000	3"	II	UB C.W.	1050	30	6.30	10	1750	II	
RA-5	MUSIC THEATER	MECH. ROOM	23500	AF-36	2300	3 3/4"	II	TH. C.W.	950	36 1/2	22.8	30	1750	II	
RE-1	BUILDING 'A' EAST	ROOF	1140	PC-16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-2	BUILDING 'A' WEST	ROOF	4000	PC-28	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-3	BUILDING 'C' EAST	ROOF	1140	PC-16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-4	BUILDING 'C' WEST	ROOF	1360	PC-16	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-5	BUILDING 'D'	ROOF	660	PC-13	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-6	BUILDING 'E'	ROOF	2100	PC-22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-7	BUILDING 'F'	ROOF	2700	PC-22	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-8	BUILDING 'G'	ROOF	1500	PC-19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
RE-9	BUILDING 'H'	ROOF	1500	PC-19	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
EF-1	GENERAL EXHAUST	MECH. ROOM	10900	PC-30F	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-2	GENERAL EXHAUST	MECH. ROOM	3180	PC-20	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-3	MUSIC THEATER	BUILDING 'D'	5860	PC-24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-4	STAGE EXHAUST	BUILDING 'D'	435	PC-24	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-5	WELDING RM. EXHAUST	MECH. ROOM	450	PC-11	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-6	SIGNAL ROOM	MECH. ROOM	600	PC-13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
EF-7	FOLLOW SPOT & T.V.	ROOF	600	PC-13	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4

CONDENSATE PUMP SCHEDULE

UNIT NUMBER	SERVICE	LOCATION	MODEL NUMBER	MINIMUM CAPACITY (G.P.H.)	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP	WATER PUMP
CP-1	REHEAT COILS	MECH. ROOM	D1005	94000	1	30	5	1750	100	36X1750	CONTROL & PRESSURE DIVIDE				
CP-2	REHEAT COILS	MECH. ROOM	D1005	94000	1	30	5	1750	100	36X1750	CONTROL & PRESSURE DIVIDE				

NOTE: CP-1 TO BE DISMISSED WITH (2) FLOOR SWITCHES AND (2) ELECTRICAL TERMINALS W/ED INTERNALLY TO EACH FLOOR SWITCH CONTACT FOR EMERGENCY OPERATION.

ME ENGINEERING, P.C.
4015 15 2000
HMC, PUMP, ETC.

POTSDAM
STATE UNIVERSITY OF NEW YORK COLLEGE AT
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POTSDAM MUSIC CENTER
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EQUIPMENT SCHEDULES
PVC
M-1
B-21-70