CUSTOM AIR HANDLING UNIT SCHEDULE

ITEM	MANUFACTURER	MODEL	LOCATION	TOTAL SUPPLY CFM	MINIMUM O.A. CFM	MINIMUM O.A. AFS	PRE-FILTERS	HEATING COIL	STEAM HUMIDIFIER	COOLING COIL	SUPPLY FAN	SUPPLY FAN AFS	SUPPLY FAN CFM CONTROL	ELECTRICAL DATA VOLTS	PHASE	FLA	TOTAL UNIT WEIGHT	REMARKS
AHU-1	HAMKON	CUSTOM	PENTHOUSE	40000	13200	13200	PF-1	PHC-1	H-1	CC-1	SF-1	AFS-1	VFD-1	480	3		45890	1
AHU-2	HAMKON	CUSTOM	PENTHOUSE	40000	13200	13200	PF-2	PHC-2	H-2	CC-2	SF-2	AFS-2	VFD-2	480	3		45890	1
AHU-3	HAMKON	CUSTOM	PENTHOUSE	40000	13200	13200	PF-3	PHC-3	H-3	CC-3	SF-3	AFS-3	VFD-3	480	3		45890	1
AHU-4	HAMKON	CUSTOM	PENTHOUSE	40000	13200	13200	PF-4	PHC-4	H-4	CC-4	SF-4	AFS-4	VFD-4	480	3		45890	1
AHU-5	HAMKON	CUSTOM	PENTHOUSE	45000	14850	14850	PF-5	PHC-5	H-5	CC-5	SF-5	AFS-5	VFD-5	480	3		50130	1
AHU-6	FUTURE		PENTHOUSE	40000														FUTURE UNIT
AHU-7	FUTURE		PENTHOUSE	40000														FUTURE UNIT

NOTES:

1. DRY WEIGHT

STEAM PREHEAT COIL SCHEDULE

ITEM	MANUFACTURER	MODEL	CFM	DIMENSIONS (IN) HEIGHT	WIDTH	AIR DATA EAT	LAT	PD (IN. W.G.)	STEAM PRESSURE MBH	PSIG	COND (LB/HR)	COIL ROWS	REMARKS
PHC-1	HEATCRAFT	5JA0401A	(4)10000	36	50	46	65	0.09	212	5	220	1	1
PHC-2	HEATCRAFT	5JA0401A	(4)10000	36	50	46	65	0.09	212	5	220	1	1
PHC-3	HEATCRAFT	5JA0401A	(4)10000	36	50	46	65	0.09	212	5	220	1	1
PHC-4	HEATCRAFT	5JA0401A	(4)10000	36	50	46	65	0.09	212	5	220	1	1
PHC-5	HEATCRAFT	5JA0401A	(4)11250	39	52	46	65	0.09	238	5	248	1	1

NOTES:

1. 800 FPM FACE VELOCITY

AHU STEAM HUMIDIFIER SCHEDULE

ITEM	MANUFACTURER	MODEL	LOCATION	CFM	NO. OF MANIFOLDS	ENTERING AIR (F) DB	WB	SPACE DESIGN DB	RH	STEAM PSIG	FACE DIMENSION (IN.) WIDTH	HEIGHT	LBS/HR	MAX. ABSORB. DISTANCE	REMARKS
SH-1	DRI STEEM	ULTRA-SORB LV	AHU-1	40,000	?..	55	43	72	30	5	?..	?..	460	24	
SH-2	DRI STEEM	ULTRA-SORB LV	AHU-2	40,000	?..	55	43	72	30	5	?..	?..	460	24	
SH-3	DRI STEEM	ULTRA-SORB LV	AHU-3	40,000	?..	55	43	72	30	5	?..	?..	460	24	
SH-4	DRI STEEM	ULTRA-SORB LV	AHU-4	40,000	?..	55	43	72	30	5	?..	?..	460	24	
SH-5	DRI STEEM	ULTRA-SORB LV	AHU-5	45,000	?..	55	43	72	30	5	?..	?..	510	24	

AHU CHILLED WATER COOLING COIL SCHEDULE

ITEM	MANUFACTURER	MODEL	LOCATION	TOTAL CFM	NUMBER OF COILS	FACE VELOCITY (FPM)	AIR DATA EDB	EWB	LDB	LWB	P.D. (IN. W.G.)	TOT. MBH	SENS MBH	WATER DATA EWT	LWT	GPM	P.D. FT. HD.	REMARKS
CC-1	HEATCRAFT	5WS100BC	AHU-1	(6)6667	6	476	77.3	66	50	50	1.28	310	197	44	56	55	5.13	1
CC-2	HEATCRAFT	5WS100BC	AHU-2	(6)6667	6	476	77.3	66	50	50	1.28	310	197	44	56	55	5.13	1
CC-3	HEATCRAFT	5WS100BC	AHU-3	(6)6667	6	476	77.3	66	50	50	1.28	310	197	44	56	55	5.13	1
CC-4	HEATCRAFT	5WS100BC	AHU-4	(6)6667	6	476	77.3	66	50	50	1.28	310	197	44	56	55	5.13	1
CC-5	HEATCRAFT	5WS100BC	AHU-5	(6)7500	6	450	77.3	66	50	50	1.17	352	223	44	56	62	5.01	2
CC-6	HEATCRAFT		AHU-6															1,3
CC-7	HEATCRAFT		AHU-7															1,3

NOTES:
1. COIL DIMENSIONS; 31.5" FH X 64" FL, 10 FPI, 8 ROW
2. COIL DIMENSIONS; 37.5" FH X 64" FL, 10 FPI, 8 ROW
3. FOR FUTURE AHU

AHU SOUND ATTENUATOR SCHEDULE

ITEM	MANUFACTURER	MODEL	SIZE	LOCATION	DB 63	125	250	500	1K	2K	4K	8K	CFM	STATIC PRESS. DROP (IN. W.G.)	REMARKS
SA-1A	VIBRO ACOUSTICS	RFL-ULV-F1	108 X 60 X 60	AHU-1	11	15	22	23	30	35	27	15	40000	< 0.1	
SA-1B	VIBRO ACOUSTICS	RFL-MHV-F4	12 X 144 X 60	MIN O.A.	9	9	15	23	31	35	25	19	10000	0.18	
SA-1C	VIBRO ACOUSTICS	RFL-MLV-F4	48 X 144 X 60	ECONO. O.A.	11	12	19	29	37	44	28	20	30000	0.16	
SA-2A	VIBRO ACOUSTICS	RFL-ULV-F1	108 X 60 X 60	AHU-2	11	15	22	23	30	35	27	15	40000	< 0.1	
SA-2B	VIBRO ACOUSTICS	RFL-MHV-F4	12 X 144 X 60	MIN O.A.	9	9	15	23	31	35	25	19	10000	0.18	
SA-2C	VIBRO ACOUSTICS	RFL-MLV-F4	48 X 144 X 60	ECONO. O.A.	11	12	19	29	37	44	28	20	30000	0.16	
SA-3A	VIBRO ACOUSTICS	RFL-ULV-F1	108 X 60 X 60	AHU-3	11	15	22	23	30	35	27	15	40000	< 0.1	
SA-3B	VIBRO ACOUSTICS	RFL-MHV-F4	12 X 144 X 60	MIN O.A.	9	9	15	23	31	35	25	19	10000	0.18	
SA-3C	VIBRO ACOUSTICS	RFL-MLV-F4	48 X 144 X 60	ECONO. O.A.	11	12	19	29	37	44	28	20	30000	0.16	
SA-4A	VIBRO ACOUSTICS	RFL-ULV-F1	108 X 60 X 60	AHU-4	11	15	22	23	30	35	27	15	40000	< 0.1	
SA-4B	VIBRO ACOUSTICS	RFL-MHV-F4	12 X 144 X 60	MIN O.A.	9	9	15	23	31	35	25	19	10000	0.18	
SA-4C	VIBRO ACOUSTICS	RFL-MLV-F4	48 X 144 X 60	ECONO. O.A.	11	12	19	29	37	44	28	20	30000	0.16	
SA-5A	VIBRO ACOUSTICS	RFL-ULV-F1	108 X 68 X 60	AHU-5	11	15	22	23	30	35	27	15	45000	< 0.1	
SA-5B	VIBRO ACOUSTICS	RFL-MHV-F4	12 X 144 X 60	MIN O.A.	9	9	15	23	31	35	25	19	14850	0.18	
SA-5C	VIBRO ACOUSTICS	RFL-MLV-F4	48 X 144 X 60	ECONO. O.A.	11	12	19	29	37	44	28	20	30150	0.18	

NEED TO VERIFY THIS PERFORMANCE DATA W/FACTORY REPRESENTATIVE

AHU FILTER SCHEDULE

ITEM	MANUFACTURER	MODEL	SERVES	RATED EFF. %	MAX. S.P. DROP (IN. W.G.) INITIAL	FINAL	CFM	FACE AREA SQ. FT.	FACE VELOCITY FPM	FILTER THICKNESS (IN.)	REMARKS
PF-1	FARR	30/30	AHU-1	30	?	1.5	40000	96	417	4"	
PF-1	FARR	RIGA PLEAT 95	AHU-1	95	?	1.5	40000	96	417	12"	
PF-2	FARR	30/30	AHU-2	30	?	1.5	40000	96	417	4"	
PF-2	FARR	RIGA PLEAT 95	AHU-2	95	?	1.5	40000	96	417	12"	
PF-3	FARR	30/30	AHU-3	30	?	1.5	40000	96	417	4"	
PF-3	FARR	RIGA PLEAT 95	AHU-3	95	?	1.5	40000	96	417	12"	
PF-4	FARR	30/30	AHU-4	30	?	1.5	40000	96	417	4"	
PF-4	FARR	RIGA PLEAT 95	AHU-4	95	?	1.5	40000	96	417	12"	
PF-5	FARR	30/30	AHU-5	30	?	1.5	45000	96	417	4"	
PF-5	FARR	RIGA PLEAT 95	AHU-5	95	?	1.5	45000	96	417	12"	
PHF-1	FARR	30/30	PENTHOUSE FAI	30							
PHF-2	FARR	30/30	PENTHOUSE FAI	30							

AHU FAN SCHEDULE

ITEM	MANUFACTURER	MODEL	TYPE	LOCATION	CFM	S.P. (IN. W.G.)	FAN RPM	ELECTRICAL DATA HP	VOLTS	PHASE	RPM	DRIVE TYPE	LW/LWA	REMARKS
SF-1	TWINCITY	365BAF	DWDI	AHU-1	40000	8.5	1388	100	480	3	1750	BELT		1
SF-2	TWINCITY	365BAF	DWDI	AHU-2	40000	8.5	1388	100	480	3	1750	BELT		1
SF-3	TWINCITY	365BAF	DWDI	AHU-3	40000	8.5	1388	100	480	3	1750	BELT		1
SF-4	TWINCITY	365BAF	DWDI	AHU-4	40000	8.5	1388	100	480	3	1750	BELT		1
SF-5	TWINCITY	402BAF	DWDI	AHU-5	45000	8.5	1239	100	480	3	1750	BELT		1

NOTES:

1. CLASS III FAN

VARIABLE FREQUENCY DRIVE SCHEDULE SCHEDULE

ITEM	MANUFACTURER	MODEL	LOCATION	SERVES	H.P.	VOLTS	PHASE	EQUIP SERVED	BYPASS Y/N/	DRIVE SIZE	REMARKS
VFD-1	ABB		PENTHOUSE	AHU-1 SUPPLY FAN	100	460	3	AHU-1	Y		
VFD-1A	ABB		PENTHOUSE	AHU-1 RETURN FAN	40	460	3	AHU-1	Y		
VFD-2	ABB		PENTHOUSE	AHU-2 SUPPLY FAN	100	460	3	AHU-2	Y		
VFD-2A	ABB		PENTHOUSE	AHU-2 RETURN FAN	40	460	3	AHU-2	Y		
VFD-3	ABB		PENTHOUSE	AHU-3 SUPPLY FAN	100	460	3	AHU-3	Y		
VFD-3A	ABB		PENTHOUSE	AHU-3 RETURN FAN	40	460	3	AHU-3	Y		
VFD-4	ABB		PENTHOUSE	AHU-4 SUPPLY FAN	100	460	3	AHU-4	Y		
VFD-4A	ABB		PENTHOUSE	AHU-4 RETURN FAN	40	460	3	AHU-4	Y		
VFD-5	ABB		PENTHOUSE	AHU-5 SUPPLY FAN	100	460	3	AHU-5	Y		
VFD-5A	ABB		PENTHOUSE	AHU-5 RETURN FAN	50	460	3	AHU-5	Y		
VFD-EF3	ABB		PENTHOUSE	ISOLATION EXH. FAN	7.5	460	3	EF-3	Y		

AHU AIR FLOW STATION SCHEDULE

ITEM	MANUFACTURER	SYSTEM SERVED	MODEL	CFM	P.D. (IN. W.G.)	SIZE	VELOCITY FPM	REMARKS
AFS-1B	AIR MONITOR	AHU-1 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-1C	AIR MONITOR	AHU-1 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-2B	AIR MONITOR	AHU-2 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-2C	AIR MONITOR	AHU-2 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-3B	AIR MONITOR	AHU-3 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-3C	AIR MONITOR	AHU-3 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-4B	AIR MONITOR	AHU-4 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-4C	AIR MONITOR	AHU-4 SUPPLY	VOLU-PROBE/FI	20000				1
AFS-5B	AIR MONITOR	AHU-5 SUPPLY	VOLU-PROBE/FI	22500				1
AFS-5C	AIR MONITOR	AHU-5 SUPPLY	VOLU-PROBE/FI	22500				1
AFS-1RA	AIR MONITOR	AHU-1 RETURN	VOLU-PROBE/FI	35000				2
AFS-2RA	AIR MONITOR	AHU-2 RETURN	VOLU-PROBE/FI	35000				2
AFS-3RA	AIR MONITOR	AHU-3 RETURN	VOLU-PROBE/FI	35000				2
AFS-4RA	AIR MONITOR	AHU-4 RETURN	VOLU-PROBE/FI	40000				2
AFS-5RA	AIR MONITOR	AHU-5 RETURN	VOLU-PROBE/FI	40000				2
AFS-1A	RUSKIN	AHU-1, MIN O.A.	AMS 50	13200				
AFS-2A	RUSKIN	AHU-2, MIN O.A.	AMS 50	13200				
AFS-3A	RUSKIN	AHU-3, MIN O.A.	AMS 50	13200				
AFS-4A	RUSKIN	AHU-4, MIN O.A.	AMS 50	13200				
AFS-5A	RUSKIN	AHU-5, MIN O.A.	AMS 50	14850				

NOTES:

1. 2 SUPPLY AIR FLOW STATIONS REQUIRED FOR EACH AHU, 1 AIR FLOW STATION PER EACH INLET ON DWDI FANS.
2. SINGLE AIR FLOW STATION MOUNTED IN FAN INLET.

SMOKE DAMPER SCHEDULE

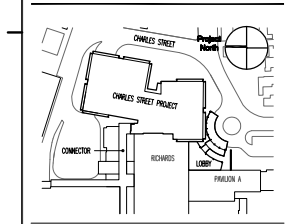
ITEM	MANUFACTURER	MODEL	LOCATION	DAMPER SIZE WIDTH	HEIGHT	CFM	VELOCITY	PRESS. DROP (IN. W.G.)	REMARKS
SD-1A	PREFCO		AHU-1 SUPPLY	120	48	40000	1000		
SD-1B	PREFCO		AHU-1 RETURN	144	30	35000	1167		
SD-2A	PREFCO		AHU-2 SUPPLY	120	48	40000	1000		
SD-2B	PREFCO		AHU-2 RETURN	144	30	35000	1167		
SD-3A	PREFCO		AHU-3 SUPPLY	120	48	40000	1000		
SD-3B	PREFCO		AHU-3 RETURN	144	30	35000	1167		
SD-4A	PREFCO		AHU-4 SUPPLY	120	48	40000	1000		
SD-4B	PREFCO		AHU-4 RETURN	144	30	35000	1167		
SD-5A	PREFCO		AHU-5 SUPPLY	135	48	45000	1000		
SD-5B	PREFCO		AHU-5 RETURN	144	30	38000	1267		

General Notes:

MARK	ISSUE DATE	DESCRIPTION
PERMIT	09/24/04	PERMIT SET – NOT FOR CONSTRUCTION

FOR PERMIT ONLY
NOT FOR CONSTRUCTION

Issue Log



Key Plan

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The Fitzhugh Organization
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Newton, MA 02465-2124
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Maine Medical Center
Charles Street Project
Portland, Maine MMC Project No. 21841

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