

HEAT PUMP WATER HEATER SCHEDULE														
TAG	MANUFACTURER	MODEL NUMBER	REFRIG	TANK CAPACITY (GAL.)	FIRST HOUR RATING (GAL.)	SET TEMP	ELECTRICAL				SIZE			
							V-PH-Hz	MAX POWER DRAW	ENERGY STAR ENERGY FACTOR	MAX FUSE SIZE	DIA	HEIGHT	CONDENSATE CONNECTION	WEIGHT (OPER)
DWH-1	STIEBEL ELTRON	ACCELERA 300E	R134a	79.8	74.2	140	208/60/1	2,150 WATTS	3.39	15A	26"	75.25"	3/4"	957
DWH-2	STIEBEL ELTRON	ACCELERA 300E	R134a	79.8	74.2	140	208/60/1	2,150 WATTS	3.39	15A	26"	75.25"	3/4"	957

KILN EXHAUST FAN SCHEDULE									
TAG	SERVES	MFR.	MODEL	DRIVE	CFM	ELECTRICAL			NOTES
						MOTOR HP	DISC. SWITCH FURN BY	VOLTS /PH	
EF-K	KILN - DOWNDRAFT EXHAUST	SKUTT	ENVIROVENT - 2	DIRECT	140	1.4A	PLUG	120/1	
NOTES: SPECIFICATION: SEE 233113 'METAL DUCTS' KILN BEING CONNECTED: SKUTT MODEL KM-1222-3									

PLUMBING FIXTURE SCHEDULE						
TAG	DESCRIPTION	BRANCH SIZES				NOTES
		CW	HW	VENT	WASTE	
P-1A	WATER CLOSET, WALL MOUNT, CHILD ADA	1"	-----	1-1/2"	3"	MOUNTING HEIGHT 15" TO RIM
P-1B	WATER CLOSET, WALL MOUNT, CHILD	1"	-----	1-1/2"	3"	MOUNTING HEIGHT 13-3/4"
P-1C	WATER CLOSET, WALL HUNG, ADULT ADA	1"	-----	1-1/2"	3"	MOUNTING HEIGHT 17" TO RIM
P-2	MOP/SERVICE BASIN	3/4"	3/4"	1-1/2"	3"	PROVIDE CHECK VALVES AT WATER INLETS
P-3A	LAVATORY, COUNTER UNDER MOUNT	3/8"	3/8"	1-1/2"	1-1/2"	TMV SET TO 105 DEGREE F
P-3B	LAVATORY, WALL MOUNT	3/8"	3/8"	1-1/2"	1-1/2"	TMV SET TO 105 DEGREE F
P-4A	ART ROOM SINK ADA COMPLIANT	1/2"	1/2"	1-1/2"	2"	SIDE MOUNTED FAUCET, DRAINS TO SI-1
P-4B	ART ROOM SINK	1/2"	1/2"	1-1/2"	2"	SIDE MOUNTED FAUCET, DRAINS TO SI-1
P-4C	CLASSROOM SINK ADA COMPLIANT	1/2"	1/2"	1-1/2"	1-1/2"	SIDE MOUNTED FAUCET AND BUBBLER.
P-4D	KITCHEN SINK ADA COMPLIANT	1/2"	1/2"	1-1/2"	1-1/2"	
P-5	SHOWER	1/2"	1/2"	1-1/2"	2"	FUTURE
P-6	LAUNDRY SINK	1/2"	1/2"	1-1/2"	2"	
EWC-1	WATER COOLER - BOTTLE FILLER	3/8"	-----	1-1/4"	1-1/4"	SEE PLANS FOR MOUNTING HEIGHT
DH-1	COMBINATION DRENCH HOSE / EYE WASH	1/2"	1/2"	-----	-----	COUNTER MOUNTED, TMV SET TO 85 DEGREES F
WVB-1	WASHER VALVE BOX	1/2"	1/2"	1-1/2"	2"	
FD-1	HEAVY DUTY FLOOR DRAIN	1/2"	-----	1-1/2"	3"	WITH TRAP PRIMER CONNECTION
FD-2	LIGHT DUTY FLOOR DRAIN	1/2"	-----	1-1/2"	2"	WITH TRAP PRIMER CONNECTION
SI-1	SOLIDS INTERCEPTOR	-----	-----	-----	2"	ONE INTERCEPTOR FOR TWO SINKS
RD-1	LARGE AREA ROOF DRAIN					SEE PLANS FOR SIZES
RD-2	SMALL AREA ROOF DRAIN					SEE PLANS FOR SIZES
RD-3	SMALL AREA ROOF DRAIN W/PROMENADE GRATE					SEE PLANS FOR SIZES

REGISTERS - GRILLES - DIFFUSERS (RGD) SCHEDULE											
TAG	MFR.	MODEL	TYPE	DAMPER ?	NECK SIZE	FACE SIZE	MAX CFM	MAX TOTAL P.D. (IN.W.C.)	MAX NC LEVEL	BLOW	NOTES
S1	PRICE	SCDA	SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE	YES	6" DIA	24" X 24"	140	0.07"	16	4-WAY	
S2	PRICE	SCDA	SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE	YES	8" DIA	24" X 24"	270	0.07"	19	4-WAY	
S3	PRICE	SCDA	SQ. CEILING SUPPLY DIFFUSER, ADJUSTABLE	YES	10" DIA	24" X 24"	370	0.07"	22	4-WAY	
S4	PRICE	520D	STEEL DOUBLE DEFL. SUPPLY	YES	10" X 6"	11.75" X 7.75"	240	0.10"	23	ADJUSTABLE	
S5	AIR CONCEPTS	SPD	ROUND PLAQUE, HIGH ASPIRATION	NO	4" DIA	7.5" DIA	50	0.04"	<20	360	
S6	PRICE	520D	STEEL DOUBLE DEFL. SUPPLY	NO	48" X 6"	48" X 8"	800	0.05"	23	ADJUSTABLE	
R1	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	8" X 8"	9.75" X 9.75"	140	0.05"	20	-----	6" DIA RUNOUT
R2	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	12" X 8"	13.75" X 9.75"	240	0.05"	20	-----	8" DIA RUNOUT
R3	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	12" X 12"	13.75" X 13.75"	360	0.05"	20	-----	10" DIA RUNOUT
R4	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	22" X 10"	23.75" X 11.75"	540	0.05"	20	-----	12" DIA RUNOUT
R5	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	22" X 22"	23.75" X 23.75"	950	0.05"	20	-----	14" DIA RUNOUT
R6	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	YES	48" X 22"	47.75" X 23.75"	2,000	0.05"	20	-----	
R7	PRICE	630DAL	ALUM. RETURN, 3/4" SPACING, 45 DEG VANES	NO	48" X 6"	48" X 8"	800	0.05"	20	-----	

PUMP SCHEDULE										
TAG	SERVES	MAKE & MODEL	TYPE	GPM	HEAD	DISCHARGE	ELECTRICAL		SUMP	NOTES
							MOTOR HP	VOLTS/PH (60 Hz.)		
RCP-1	DHW RECIRC	TACO 008-IFC	SMART-PLUS RECIRC PUMP	6	12	3/4"	1/25	115/1	-----	NOTE 1; NOTE 2
SP-1	ELEV SUMP	LIBERTY ELV 280	SUBMERSIBLE	53	12	1-1/2"	1/2	115/1	CONC - DIV 3	NOTE 2, NOTE 3.
CP-1	WALL HEAT PUMPS	SAUERMANN OMEGA PACK	MINI COND. REMOVAL PUMP	3 GPH	12	1/4"	14W	115/1	-----	SEE 232123
NOTES: 1. PROVIDE PER SPEC SECTION 221119. 2. PLUG CONNECTIONS. COORDINATE LOCATION OF OUTLETS. 3. PROVIDE OIL SMART SYSTEM; SEE 221429.										

UNIT HEATER SCHEDULE																
TAG	SERVES	MFR.	SIZE	TYPE	DIMENSIONS	MBH	GPM	FLUID	EWT	LWT	MAX WPD	PIPE RUNOUT SIZE	MOTOR TYPE	MOTOR HP	ELECT	NOTES
CUH-1	COMMON 001	DAIKIN	FHHH208	HIDEAWAY DUCTED - 800 CFM	74.64"L X 29.5"W X 16"D	49.9	3.3	WATER	160.0	140.5	3.8	1"	ECM	1/4	120-1-60	1, 2
CUH-2	STAIR S3-0 & CORRIDOR	SMITH	PSU-23	SURFACE-MOUNT FAN-CONVECTOR	41-9/16" W X 16-1/8" H X 4-5/16" DEEP	9.8	1.0	WATER	160.0	130.0	5.0	1/2"	SEL	100W	120-1-60	
CUH-3	STAIR S5-1	SMITH	PSU-23	SURFACE-MOUNT FAN-CONVECTOR	41-9/16" W X 16-1/8" H X 4-5/16" DEEP	9.8	1.0	WATER	160.0	130.0	5.0	1/2"	SEL	100W	120-1-60	
CUH-4	VEST 100	DAIKIN	FHHR208	HORIZ RECESSED CABINET	74.64"L X 29.5"W X 16"D	49.9	3.3	WATER	160.0	140.5	3.8	1"	ECM	1/4	120-1-60	1, 2
CUH-5	STAIR S4-1	SMITH	PSU-23	SURFACE-MOUNT FAN-CONVECTOR	41-9/16" W X 16-1/8" H X 4-5/16" DEEP	9.8	1.0	WATER	160.0	130.0	5.0	1/2"	SEL	100W	120-1-60	
CUH-6	EC CLASSRM 114B	DAIKIN	FHHR204	HORIZ RECESSED CABINET	57.14"L X 29.5"W X 14"D	26.5	1.7	WATER	160.0	130.0	0.8	3/4"	ECM	1/4	120-1-60	1, 2
CUH-7	EC CLASSRM 114D	DAIKIN	FHHR204	HORIZ RECESSED CABINET	57.14"L X 29.5"W X 14"D	26.5	1.7	WATER	160.0	130.0	0.8	3/4"	ECM	1/4	120-1-60	1, 2
NOTES: 1. POWER WIRING TO UNIT HEATER BY DIV 26. ALL LOW VOLTAGE CONTROL WIRING, THERMOSTAT, RELAYS, AND TRANSFORMERS BY DIV. 23. 2. UNIT DATA SHOWN AT MEDIUM SPEED																

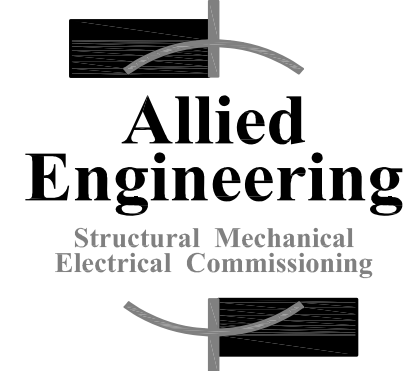
CONDENSING UNIT SCHEDULE										
TAG	CU-1	CU-2	CU-3	CU-4	CU-5	CU-6	CU-F1	CU-F2	CU-F3	
MANUFACTURER	DAIKIN MODEL VRV IV	DAIKIN MODEL VRV IV	DAIKIN MODEL VRV IV	DAIKIN MODEL VRV IV	DAIKIN VRV-III-S	DAIKIN SKYAIR	FUTURE	FUTURE	FUTURE	
TYPE	VRV HEAT PUMP	VRV HEAT PUMP	VRV HEAT PUMP	VRV HEAT PUMP	VRV HEAT PUMP	COOLING ONLY	MULTI SPLIT HEAT PUMP	MULTI SPLIT HEAT PUMP	MULTI SPLIT HEAT PUMP	
SERVES	WEST	EAST	LOBBY AREAS	FOUNDERS	FACULTY SUPPORT OFFICE	ELEV MACH ROOM	UNPROGRAMMED 006	UNPROGRAMMED 006	UNPROGRAMMED 010, 012	
MODEL	RXYQ192TTJU	RXYQ216TTJU	RXYQ144TTJU	RXYQ216TTJU	RXYQ36PVJU	RZR18PVJU				
V-PH-HZ	208/3/60	208/3/60	208/3/60	208/3/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	
NOMINAL COOLING CAPACITY	16 TONS	18 TONS	12 TONS	18 TONS	3 TONS	18,000	2.5 TON	3 TON	1.5TON	
SOUND (MAXIMUM)	61 dBA	61 dBA	64 dBA	61 dBA	58 dBA	43 dBA				
REFRIGERANT	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	
CAPACITY CONTROL	MODULATING 3% to 100%	MODULATING 3% to 100%	MODULATING 3% to 100%	MODULATING 3% to 100%	MODULATING 3% to 100%	MODULATING 35% to 100%				
COOLING EER	12.3	11.7	11.5	11.7	11.5	-----				
COOLING IEER	20.7	20.0	21.0	21.0	-----					
COOLING SEER	-----	-----	-----	-----	14.9	19				
HEATING COP @ 47F	3.6	3.7	3.7	3.7	2.8	3.6				
HEATING COP @ 17F	2.4	2.5	2.2	2.5	2.0	2.4				
MCA	27.6 + 36.3	36.3 + 36.3	55.1	36.3 + 36.3	27.0	16.5	NOTE 4	NOTE 4	NOTE 4	
MAX OVERCURRENT PROT	35 + 45	45 + 45	60	45 + 45	30	20	20	20	20	
WEIGHT, lbs.	1,000	1,100	700	1,100	300	150				
DEPTH	30-3/16	30-3/16	30-3/16	30-3/16	12-5/8"	12-5/8"				
WIDTH	85-9/16	97-3/4	48-7/8	97-3/4	35-7/16"	35-7/16"				
HEIGHT	66-11/16	66-11/16	66-11/16	66-11/16	52-15/16"	30-5/16"				
NOTES: 1. DISCONNECT SWITCHES BY DIV 26. 2. SOUND DATA: ANECHOIC CHAMBER CONVERSION VALUE, MEASURED AT A POINT 3.3 FT IN FRONT OF THE UNIT AT A HEIGHT OF 4.9 FT. 3. PERFORMANCE DATA IS ADJUSTED FOR PIPE RUNS / 4. ELECTRICAL POWER PROVISIONS FOR FUTURE.										

DUAL-CORE AIR-TO-AIR ENERGY RECOVERY VENTILATORS (ERV)																																						
PHYSICAL DATA					PERFORMANCE (WINTER)				PERFORMANCE (SUMMER)				SUPPLY FAN				EXHAUST FAN				PERFORMANCE (SUMMER)		HOT WATER HEATING COIL						ELECTRICAL			NOTES						
UNIT	MANUFACTURER	MODEL	WEIGHT	DIMENSIONS (LxWxH), INCHES	OA TEMP	EA TEMP	HX LVG TEMP	TEMP EFF.	HX LVG TEMP	OA TEMP	EA TEMP	HX LVG TEMP	TEMP EFF.	CFM OUTSIDE AIR	ESP	BHP	WATTS/CFM	HP	CFM	ESP	BHP	WATTS/CFM	HP	OA TEMP	HX LVG TEMP	FLUID	FACE VEL	MBH	GPM	APD	WPD, FT. HD.		EAT, F	LAT, F	EWT	LWT	VOLTS	FLA
ERV-1	TEMP EFF	RG-9000	6,500	168 X 75 X 79 (+ ROOF CURB HEIGHT)	-12	70	60.1	87.9%	60.1	90 DB	75	78.6	75.8%	7,600	1.5	5.81	0.57	7.5	7,600	1.5	4.82	0.47	7.5	87	78.4	WATER	588	171	15.0	0.08"	8.0	60	80.8	160.0	137.2	208 / 3	41.8	70
NOTES: VFD'S WITH DISCONNECT SWITCHES TO BE PROVIDED BY THE UNIT MANUFACTURER IN ACCORDANCE WITH 230901.																																						

A1 MECHANICAL SCHEDULES



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PROJECT NAME:

WAYNFLETE
LOWER SCHOOL
ADDITION & RENOVATIONS

WAYNFLETE SCHOOL
360 SPRING STREET
PORTLAND, MAINE 04102

SEAL:



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