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HVAC & plumbing Engineering:
MECHANICAL SYSTEMS ENGINEERS

Electrical Engineering:
SWIFT CURRENT ENGINEERING

Food Service Design Consultant:
TJM CONSULTING

Riverside Golf Course - North Course Club House Renovations

Riverside Street
Portland, Maine

REVISIONS

CONTRACT
DOCUMENTS
February 03, 2014

Mechanical Schedules

Noted

M6



MECHANICAL SYSTEMS ENGINEERS
ROYAL RIVER CENTER, UNIT #10
10 FOREST FALLS DRIVE
YARMOUTH, MAINE 04096
FACEBOOK: MECHANICAL SYSTEMS ENGINEERS
207-846-1441
M.S.E. Proj. 1334
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PUMP SCHEDULE										
TAG	MANUFACTURER & MODEL	FUNCTION	TYPE	GPM	HEAD	RPM	ELECTRIC			REMARKS
							HP	POWER	FLA	
P-1	MILO STRATOS	HEATING PUMP	IN-LINE	20	24'	4900	0.6	208/60/1	2.1	VARIABLE FLOW BASED ON DIFFERENTIAL PRESSURE

FINNED PIPE SCHEDULE						
TAG	TYPE	ELEMENT	LENGTH	BTU	GPM	REMARKS
FP	1.13/16" X 3.1/4" STEEL COVER	3/8" COPPER TUBE ALUMINUM FINS	SEE PLANS	580 PER FT	1.0 SEE PLANS	SINGLE TIER ELEMENT - STERLING JUNIOR

CONDENSING UNIT SCHEDULE									
TAG	MANUFACTURER AND MODEL	NOMINAL SIZE	EER	REFRIGERANT	ELECTRIC			WEIGHT	REMARKS
					POWER	MCA	MOP		
CU-1	TRANE 4TTA3060	5 TONS	11.5	410A	208/60/3	21.0	35	226 LBS	SET ON RUBBER WAFFLE PADS
CU-2	TRANE 4TTA3060	5 TONS	11.5	410A	208/60/3	21.0	35	226 LBS	SET ON RUBBER WAFFLE PADS

AIR HANDLER SCHEDULE - COOLING AND HEATING																				
TAG	MANUFACTURER & MODEL	SUPPLY FAN		ELECTRIC			DX COOLING COIL					HOT WATER HEATING COIL					WEIGHT (LBS)	REMARKS		
		CFM	ESP	POWER	MCA	MOP	EDB	EWB	SENS.	TOTAL	SEER	EDB	LDB	BTUH	EWT	LWT			GPM	WPD
AH-1	TRANE TAMT0606OH	1,800	0.75"	208/60/1	7.0	15	80	67	44,800	61,400	11.5	80	95	30,000	160	100	3.0	3.0 FT	163	ECM MOTOR - PEDESTAL PLENUM - FILTER RACK
AH-2	TRANE TAMT0606OH	1,800	0.75"	208/60/1	7.0	15	80	67	44,800	61,400	11.5	80	95	30,000	160	100	3.0	3.0 FT	163	ECM MOTOR - PEDESTAL PLENUM - FILTER RACK

MAKE-UP AIR UNIT (SUPPLIED BY OTHERS - INSTALLED BY MECHANICAL CONTRACTOR)											
TAG	MANUFACTURER AND MODEL	CFM	E.S.P.	FUEL	BTUH INPUT	BTUH OUTPUT	ELECTRIC			WEIGHT	REMARKS
							POWER	FLA	HP		
MUA-1	CAPTIVE AIRE AI-D.250-6100	2,700	0.4'	LP - 14"	260,433	239,548	208/60/1	12.5	2.0	711 LBS	SET ON RUBBER WAFFLE PADS

CABINET UNIT HEATER SCHEDULE - HEATING ONLY												
TAG	MANUFACTURER & MODEL	SUPPLY FAN		ELECTRIC	HOT WATER HEATING COIL					REMARKS		
		FAN	HP		EDB	LDB	BTUH	EWT	GPM		WPD	
CUH-1	MYSON HI-LINE HC 20-14 RC	MODULATING 3-SPEED	1/20	115/60/1	80	95	21,094	180	2.0	3.0 FT	WALL-MOUNTED UNIT - MOUNT HIGH ON WALL	
CUH-2	MYSON HI-LINE HC 20-14 RC	MODULATING 3-SPEED	1/20	115/60/1	80	95	21,094	180	2.0	3.0 FT	WALL-MOUNTED UNIT - MOUNT HIGH ON WALL	
CUH-3	MYSON HI-LINE HC 20-14 RC	MODULATING 3-SPEED	1/20	115/60/1	80	95	21,094	180	2.0	3.0 FT	WALL-MOUNTED UNIT - MOUNT HIGH ON WALL	

FAN SCHEDULE (SUPPLIED BY OTHERS - INSTALLED BY MECHANICAL CONTRACTOR)										
TAG	MANUFACTURER & MODEL	TYPE	CFM	ESP	ELECTRIC			WEIGHT	REMARKS	
					POWER	FLA	HP			
EF-1	CAPTIVE AIRE NCA16FA	UPBLAST	3,000	1.0"	208 / 60 / 1	10.2	1.0	205 LBS	WITH VENTED, HINGED, PITCHED ROOF CURB	
EF-2	CAPTIVE AIRE CU30HFA	UPBLAST	600	0.350"	115 / 60 / 1	4.0	0.25	98 LBS	WITH PITCHED ROOF CURB	

FAN SCHEDULE								
TAG	MANUFACTURER & MODEL	TYPE	CFM	ESP	ELECTRIC		REMARKS	CONTROL
					POWER	FLA		
EF-3	NUTONE QTZEN110S	CEILING	110	0.1"	115 / 60 / 1	0.4	HUMIDITY SENSING WITH ADJUSTABLE TIME-OFF DELAY	POWERED BY ROOM LIGHT SWITCH
EF-4	NUTONE QTZEN110S	CEILING	110	0.1"	115 / 60 / 1	0.4	HUMIDITY SENSING WITH ADJUSTABLE TIME-OFF DELAY	POWERED BY ROOM LIGHT SWITCH

AIR TERMINAL SCHEDULE						
TAG	MANUFACTURER & MODEL	SIZE	MAX NC	MAX SP	MAX CFM	REMARKS
DI	PRICE SMD	12"x12"	20	.07	500	SURFACE MOUNT CEILING DIFFUSER
GI	PRICE 530	20"x10"	20	.07	700	45 DEGREE RETURN GRILLE FOR SURFACE MOUNT

February 04, 2014 - 7:52 am
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