Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 11/04/13

FAN SCHEDULE

TAG	AREA SERVED	TYPE	CFM	SP	SONES	RPM	WATTS	HP	ELECTRIC	WEIGHT	
EF-1	MEN'S TOILET	CEILING	110	0.1"	0.3	960	23	- - - - -	120V-60-1P	11	SELF OPERATED WITH MOTION SENSING
EF-2	WOMEN'S TOILET	CEILING	110	0.1"	0.3	960	23	- - - - -	120V-60-1P	11	SELF OPERATED WITH MOTION SENSING
SF-1	KITCHEN HOOD	WALL CENT.	3,300	1"	12.4	912	- - - - -	1.1/2	208V-60-3P	210	OPERATE FROM HOOD CONTROLS

SONE RATINGS ARE MINIMUMS NOT TO BE EXCEEDED HVI SONE RATINGS WILL NOT BE ACCEPTED

AIR HANDLING UNIT SCHEDULE

TAG	AREA SERVED	SUPPLY FAN				ELECTRIC	DIRECT EXPANSION COOLING COIL						O.A.	WEIGHT	REMARKS
		CFM	ESP	RPM	HP		EDB	EWB	SENS.	TOTAL	LDB	LWB	CFM	(LBS)	
AH-1	DINING AREAS	3,000	0.58"	816	1.50	208V-60-3P	80	67	67.93	89.54	59.50	57.59	780	360	HORIZONTAL UNIT / FLOOR MTD

MAKEUP AIR UNIT SCHEDULE

TAG	AREA SERVED	SUPPLY FAN				ELECTRIC	HEATER						WEIGHT	REMARKS
		CFM	ESP	RPM	HP		FUEL	BTU IN	BTU OUT	TEMP RISE	E.A.T.	L.A.T.		
MU-1	KITCHEN	3,300	0.35"	714	1.5	208V-30-3P	N.G.	330,808	304,343	85.0	-10.00	75.00	879	SUSPENDED

DUCT HEATER SCHEDULE

TAG	CFM	S.P.	BTU INPUT	BTU OUTPUT	SYSTEM POWER	UNIT AMPS	WEIGHT (LBS)	REMARKS
DH-1	3,000	0.40	175,000	140,000	120V-60-1P	1.5	216	NATURAL GAS FIRED, MODULATING

COMPRESSOR/CONDENSER UNIT SCHEDULE

TAG	EQUIPMENT SERVED	NOMINAL BTU	AMBIENT TEMP.	COOLING CIRCUITS	SUCTION O.D.	LIQUID O.D.	ELECTRICAL			EER*	REMARKS
							VOLTAGE	MCA	WATTS		
CC-1	AH-1	90,000	95	1	1.3/8"	5/8"	208V-60-3P	45	7,260	11.20	AIR COOLED

* WITH MATCHED AIR HANDLER

SYMBOLS AND ABBREVIATIONS

AC	AIR CONDITIONING
AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AH	AIR HANDLER
AP	ACCES PANEL
APD	AIR PRESSURE DROP
ATC	AUTOMATIC TEMP. CONTROL
BD	BACKDRAFT DAMPER
CC	COMPRESSOR/CONDENSER UNIT
CD	CONDENSATE DRAIN
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
D	DRAIN
DH	DUCT HEATER
DIW	DOWN IN WALL
DSD	DUCT SMOKE DETECTOR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
EWB	ENTERING WET BULB
FC	FLEXIBLE CONNECTOR
FV	FACE VELOCITY
GC	GENERAL CONTRACTOR
HC	HEATING CONTRACTOR
H&V	HEATING & VENTILATING
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
L	LOUVER
LAT	LEAVING AIR TEMPERATURE
LDB	LEAVING DRY BULB
LWB	LEAVING WET BULB
MBH	THOUSAND BTU PER HOUR
MBV	MANUAL BALANCING VALVE
MD	MANUAL DAMPER
MOD	MOTOR OPERATED DAMPER
MU	MAKEUP AIR UNIT
NG	NATURAL GAS
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OD	OUTSIDE DIMENSION
PC	PLUMBING CONTRACTOR
R	RETURN
RA	RETURN AIR
RG	RETURN/RELIEF GRILLE
RIS	RUBBER-IN-SHEAR
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RR	RETURN REGISTER
S	SUPPLY
SA	SUPPLY AIR
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SR	SUPPLY REGISTER
TC	TEMPERATURE CONTROL
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
T'STAT	THERMOSTAT
TV	TURNING VANE
UC	UNDERCUT
VI	VIBRATION ISOLATOR

—— L ——	REFRIGERANT LIQUID PIPING
—— S ——	REFRIGERANT SUCTION PIPING
(T)	THERMOSTAT
(T)	THERMOSTAT WITH GUARD
(S)	TEMPERATURE SENSOR
(L)	DOOR LOUVER
(C)	CO_2 SENSOR
	MANUAL DAMPER
	FLEXIBLE DUCT
	SUPPLY AIR DUCT
	RETURN / RELIEF AIR DUCT

1 MECHANICAL MEZZANINE SECTION

SCALE: ¼" = 1'-0"

2 MECHANICAL MEZZANINE PLAN

SCALE: ¼" = 1'-0"

0' 1' 2' 3' 4' 8' 12' 16'

¼" = 1'-0"

MECHANICAL SYSTEMS ENGINEERS
ROYAL RIVER CENTER, UNIT #10
10 FOREST FALLS DRIVE
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M.S.E. Proj. 1313

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Architecture / Planning
Preservation Architecture
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STATE OF MAINE
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10257
LICENSED
PROFESSIONAL ENGINEER

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Mechanical Floor Plan & Schedules

Scale: Noted

M2