

ROTARY AIR TO AIR HEAT RECOVERY WHEEL SCHEDULE																																
MARK	LOCATION	SYSTEM AND/OR SERVICE	MODE	OUTDOOR AIR												EXHAUST AIR								ROTOR MOTOR				REMARKS				
				SUPPLY AIR FLOW		APD		EAT				LAT				AIR FLOW		APD		EAT				LAT								
								Db		Wb		Db		Wb						Db		Wb		Db		Wb						
				CFM	[L/s]	IN	[Pa]	°F	[°C]	°F	[°C]	°F	[°C]	°F	[°C]	CFM	[L/s]	IN	[mm]	°F	[°C]	°F	[°C]	°F	[°C]	°F	[°C]	AMPS	[kW]	PHASE	VOLT	
513-RAHX1	ROOF	513-AHU1	SUMMER	8000	[3800]	0.62	[16]	93	[34]	74	[23]	83.2	[28]	71.7	[22]	6000	[2800]	0.62	[16]	75	[24]	62	[17]	88	[31]	66.4	[19]	0.6	[ ]	1	460	SEE 513-AHU1 FOR ELECTRICAL CONNECTION REQUIREMENTS
			WINTER	8000	[3800]	0.62	[16]	9	[-13]	9	[-23]	45.3	[7]	32.6	[ ]	6000	[2800]	0.62	[16]	75	[24]	62	[17]	27.9	[-2]	27.9	[-2]					SEE 513-AHU1 FOR ELECTRICAL CONNECTION REQUIREMENTS
1. AIRFLOW VALUES IN SCHEDULE REPRESENT REQUIREMENTS WHEN IN NORMAL OPERATION. REFER TO SINGLE PACKAGED AIR CONDITIONER HEAT PUMP SCHEDULE FOR AIRFLOW VALUES WHEN BOTH KITCHEN EXHAUST HOODS ARE IN OPERATION.																																

SINGLE PACKAGED AIR CONDITIONER HEAT PUMP SCHEDULE (ROOFTOP)																																																
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	OUTSIDE AIR FLOW		OUTSIDE AIR FAN MARK NO	EXHAUST AIR FLOW		EXHAUST AIR FAN MARK NO	EXT STATIC PRESSURE		HEAT PUMP COOLING CAPACITY						HEAT PUMP HEATING CAPACITY						ELECTRIC SUPPLEMENTAL HEATING CAPACITY								AIR FILTER MARK NO	ELEC DATA		CIRCUIT #1		CIRCUIT #2		REMARKS									
				CFM	[L/s]		CFM	[L/s]		IN	[Pa]	MIN TOTAL CAPACITY		MIN SENS CAPACITY		MIN EER	EAT				OSA DESIGN TEMP		MIN. HEAT CAPACITY	EAT DB	LAT DB		OSA DESIGN TEMP	MIN. HEAT CAPACITY	EAT DB	LAT DB			OSA DESIGN TEMP	MCA	MOCP	MCA	MOCP											
						MBH			[kW]			MBH	[kW]	°F	[°C]		°F	[°C]	°F	[°C]	MBH	KW			°F	[°C]				°F	[°C]							°F		[°C]	MBH	KW	°F	[°C]	°F	[°C]	°F	[°C]
513-AHU1	ROOF	513	PACKAGED ROOFTOP	9000	[4200]	513-SF1	4730	[2200]	513-EF1	2.5	[630]	396.64	[1400]	262.15	[77]	10.5	86.4	[30]	72.2	[22]	[93]	[34]	[293]	[86]	34	[1]	65	[18]	[10]	[-12]	[546]	[160]	10	[-12]	66	[19]	[10]	[-12]	513-AF1, 513-AF2	460	3	192	200	35	50	1, 2, 3, 4		
<div>1. BASIS OF DESIGN IS A AON RN-031-3-0-EA0A-1AA.</div> <div>2. CIRCUIT #1 IS FOR NORMAL POWER: COMPRESSOR, CONDENSOR AND ELECTRIC HEAT.</div> <div>3. CIRCUIT #2 IS FOR EMERGENCY POWER: SUPPLY FAN, EXHAUST FAN, HEAT WHEEL AND CONTROLS.</div> <div>4. PROVIDE MANUFACTURER'S HORIZONTAL DISCHARGE ROOF PLENUM WITH UNIT.</div> <div>5. AIRFLOW VALUES IN SCHEDULE REPRESENT REQUIREMENTS WHEN BOTH KITCHEN EXHAUST HOODS ARE IN OPERATION. REFER TO ROTARY AIR TO AIR HEAT RECOVERY WHEEL SCHEDULE FOR AIRFLOW VALUES AT NORMAL OPERATION.</div>																																																

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Drawing Title	MECHANICAL SCHEDULES
Approved: Project Director	

Office of  
Construction  
and Facilities  
Management