

INFRARED RADIANT HEATER SCHEDULE								
MARK	LOCATION	SIZE, LENGTH X WIDTH	INPUT/OUTPUT CAPACITY KW	ELECTRICAL			NOTES	BASIS OF DESIGN MODEL #
				VOLTS	PHASE	Hz		
IRH-1	SMALL REPAIR	33"x24"	6	460	3	60	-	MARLEY BRM6043
IHR-1	SHOP 116	33"x24"	6	460	3	60	-	MARLEY BRM6043

**NOTES:**

- UNITS TO BE PROVIDED WITH CONTROL VOLTAGE TRANSFORMER FOR REMOTE CORROSION RESISTANT INDUSTRIAL THERMOSTAT.

ELECTRIC UNIT HEATER SCHEDULE												
MARK	HEATING CAPACITY KW RATING	CFM	TYPE OF DISCHARGE	LOUVERS	MOTOR DATA		MAX. AMP RATING	ELECTRICAL DATA			REMARKS	BASIS OF DESIGN REZNOR MODEL #
					HP	RPM		VOLTS	PHASE	Hz		
UH-1	4.0	510	HORIZONTAL	ADJUSTABLE	1/30	1550	--	460	3	60	-	AK7E
UH-2	4.0	510	HORIZONTAL	ADJUSTABLE	1/30	1550	--	460	3	60	-	AK7E

**NOTE:**

HEATER SHALL BE A PROPELLER FAN UNIT, COMPLETELY FACTORY ASSEMBLED, AND WIRED. UNIT SHALL BE PROVIDED WITH 24 VOLT WALL MOUNTED THERMOSTAT. UNIT SHALL COME WITH TRANSFORMER, RELAYS, AND SAFETIES.

HEAT PUMP - OUTDOOR UNIT SCHEDULE														
MARK	DESIGN COOLING		HEATING	REF TYPE	COMPRESSORS		FANS		ELECTRICAL					BASIS OF DESIGN TRANE MODEL #
	TOTAL MBTU/HR	AMBIENT °F	AMBIENT °F		NO.	RLA EACH	NO.	FLA EACH	VOLTS	PHASE	Hz	MCA	MOP	
HPCU-1	29.4	95	47	410A	1	9.9	1	0.8	460	3	60	6	15	4TWA4036A4

**HEAT PUMP - OUTDOOR UNIT SCHEDULE NOTES:**

BOLT UNITS TO CONCRETE PAD USING STAINLESS STEEL FASTENERS

PROVIDE 6" CONCRETE EQUIPMENT PAD IF EQUIPMENT YARD IS NOT CONCRETE.

PROVIDE SEACOAST CONSTRUCTION SPECIAL PROTECTIVE COATINGS TO ALL UNITS AND COILS.

THE COMPRESSOR AND INSIDE FAN ARE TO BE INTERLOCKED SUCH THAT IF EITHER COMPONENT IS SHUT DOWN THE OTHER COMPONENT GOES DOWN ALSO.

HEAT PUMP - AIR HANDLING UNIT SCHEDULE																						
MARK	AIR DATA			COOLING DESIGN CONDITIONS				HEATING DESIGN CONDITIONS				ELECTRICAL						AIR FILTER		REMARKS	BASIS OF DESIGN TRANE MODEL #	
	TOTAL AIR CFM	OUTSIDE AIR CFM	E.S.P. IN. H <sub>2</sub> O	TOTAL MBTU/HR	SENSIBLE MBTU/HR	COIL ENT. DB °F	COIL ENT. WB °F	TOTAL MBTU/HR	AMBIENT °F	AUX. ELEC. HEAT TOTAL	VOLTS	PH.	Hz	MCA	MOP	BLOWER HP	MIN. SEER ①	MIN. COP ②	TYPE			SIZE
AHU-1	1200	100	0.42"	29.4	24.7	74.4	63.4	22.0	47	3.6 KW	208	1	60	24	25	1/3	14.0	2.98	T'AWAY	1"	⑤⑥	TEM4A0B36S31SB

**HEAT PUMP - AIR HANDLING UNIT SCHEDULE NOTES**

① AT ARI CONDITIONS OF 95°F AMB., 80°F D.B. AND 67°F W.B. COIL ENTERING

② AT ARI CONDITIONS OF 47°F D.B., 43°F W.B. AMB., 70°F D.B. COIL ENTERING

⑤ PROVIDE CONDENSATE DRAIN TRAPS.

⑥ PROVIDE SINGLE POINT POWER CONNECTION.

ERV UNIT WITH HEAT WHEEL SCHEDULE																					
MARK	TYPE	SUPPLY FAN			EXHAUST FAN			ELECTRICAL DATA					WHEEL DATA DATA				FILTER DATA			REMARKS	
		SUPPLY AIR CFM	ESP	FAN HP	EXHAUST AIR CFM	ESP	FAN HP	VOLTS	PH.	Hz	MCA	MOP	MATERIAL TYPE	-	RPM	-	-	MAX. FACE VEL. FPM	TYPE		THICK
ERV-1	HEAT WHEEL	13,000	.75	10	13,000	.75	10	460	3	60	-	-	-	-	-	-	-	-	MERV 8	2"	-

**NOTES:**

- UNITS TO BE DOUBLE WALL CONSTRUCTION.

- TOOLLESS ACCESS COVERS FOR ACCESS TO FILTERS, FANS AND WHEEL.

- SINGLE POINT POWER CONNECTION WITH DISCONNECT.

FAN SCHEDULE													
MARK	LOCATION	TYPE	DRIVE	PERFORMANCE DATA				ELECTRICAL				CONTROL	NOTES
				AIR FLOW CFM	E.S.P. IN. H <sub>2</sub> O	MAX. RPM	MAX. SONES	MAX. HP/WATTS	VOLTS	PH.	Hz		
EF-1	UNISEX TLT	CF	DD	95	.375	950	2.0	80	120	1	60	WALL SWITCH/M. SENSOR	SP-B110
EF-2	UNISEX TLT	CF	DD	95	.375	950	2.0	80	120	1	60	WALL SWITCH/M. SENSOR	SP-B110
EF-3	JANITOR	CF	DD	95	.375	950	2.0	80	120	1	60	WALL SWITCH/M. SENSOR	SP-B110
EF-4	WELDING	SW	DD	1000	.375	1140	9.9	1/6	120	1	60	WALL SWITCH	CUE-121-B
EF-5	COMPRESSOR	SW	DD	500	.375	860	5.7	1/8	120	1	60	THERMOSTAT	CUE-121-C
EF-6	SEC. STORAGE	SW	DD	1000	.375	1140	9.9	1/6	120	1	60	THERMOSTAT	CUE-121-B
EF-7	WASH BAY	SWP	DD	8100	.25	860	27	3/4	460	3	60	SWITCH	S2-36-607-C7
PEF-1	SERVICE PIT	INLINE	DD	150	1.0	-	-	120 W	120	1	60	SWITCH/ GAS DETECTION	-
OEF-1	BAYS OVERHEAD	INDUSTRIAL CEILING	DD	10' Dia.	-	162	-	1.0*	460	3	60	WALL SWITCH	-

**FAN SCHEDULE LEGEND**

DD - DIRECT DRIVE  
 BD - BELT DRIVE  
 EF - EXHAUST FAN  
 SW - SIDE WALL CENTRIFUGAL  
 SWP - SIDE WALL PROPELLOR FAN  
 CF - CABINET FAN  
 SF - SUPPLY FAN  
 BS - BIRD SCREEN  
 EP - EXPLOSION PROOF  
 CB - CENTRIFUGAL BLOWER  
 ILC - INLINE CENTRIFUGAL FAN  
 ESP - EXTERNAL STATIC PRESSURE  
 EMC - ENERGY MANAGEMENT SYSTEM

**FAN NOTES:**

1. ALL EXHAUST FANS SHALL BE INSTALLED WITH FLEXIBLE DUCT CONNECTION, VIBRATION ISOLATORS, AND FLEXIBLE CONDUIT. FAN SHALL NOT BE IN CONTACT WITH ANY OTHER DUCT, PIPING, CONDUIT, OR STRUCTURAL MEMBERS.
2. THE FANS SHALL BE PROVIDED WITH BACKDRAFT DAMPERS.
3. THE ROOF MOUNTED FANS SHALL BE PROVIDED WITH PREFABRICATED ROOF CURBS AND BACKDRAFT DAMPER.
4. ALL DIRECT DRIVE FANS WITH MOTORS LESS THEN 1/2 HP SHALL BE PROVIDED WITH AN ADJUSTABLE ELECTRONIC SPEED CONTROLLER.

\* MAX. AMP DRAW = 4.3 AMPS (460 VOLTS)

VEHICLE EXHAUST HOSE REEL AND FAN													
MARK	LOCATION	TYPE	DRIVE	PERFORMANCE DATA				ELECTRICAL				CONTROL	NOTES
				AIR FLOW CFM	E.S.P. IN. H <sub>2</sub> O	HOSE DIAMETER	HOSE LENGTH	MAX. HP	VOLTS	PH.	Hz		
VEF-1	WORK BAYS	VEHICLE EXHAUST SYSTEM	DD	700	5.0	5"	20 FT.	1.0	460	3	60	WALL SWITCH/EACH UNIT	MONOXIVENT TYPICAL 7

**FAN NOTES:**

1. CEILING MOUNTED SPRING OPERATED HOSE REEL EXHAUST REMOVAL SYSTEM.
2. REEL TO HAVE INTEGRAL FAN.

**GENERAL NOTES:**

PROVIDE APPROVED FLAMMABLE GAS DETECTION ALARM / MONITORING SYSTEMS FOR THE REPAIR GARAGE AREA. SEE FIRE PROTECTION SHEETS FOR FIRE ALARM AND GAS DETECTION SYSTEM DETAILS. ACTIVATION OF THE SYSTEM SHALL RESULT IN AUDIBLE AND VISUAL ALARM SIGNAL IN THE REPAIR AND STORAGE AREAS. PROVIDE A PHONE LINE FOR THE SYSTEM FOR AUTHORITY NOTIFICATION OF AN ALARM. INTERLOCK SYSTEM TO AN EXHAUST ANF MAKE-UP AIR SYSTEM TO EFFECTIVELY REMOVE VAPOR ACCUMULATIONS FROM ALL PARTS OF THE SHOP AREA AND TRENCH WORK AREA. THE INFRARED UNIT HEATERS SHALL BE LOCKED OUT IF THE DETECTION SYSTEM IS ENGAGED.