

SUPPLY & EXHAUST FAN SCHEDULE

MARK	CFM	S.P. IN H2O	SONES	H.P.	ELEC	TYPE	DRIVE	WEIGHT IN LBS	COOK MODEL	REMARKS
EF-1	7200	.25	5.3	1 1/2	480/60/3	UPBLAST	BELT	300	270 ACR1-C8B	2,3,5,6,7,14
EF-2	7200	.25	5.3	1 1/2	480/60/3	UPBLAST	BELT	300	270 ACR1-C8B	2,3,5,6,7,14
EF-3	700	.375	6.5	1/8	115/60/1	DNBLAST	DIRECT	50	ACE-D 70 180 120C100	2,3,4,5,6,7
EF-4	375	.375	6.5	1/8	115/60/1	DNBLAST	DIRECT	50	ACE-D 70 180 120C100M	2,3,4,5,6,7
EF-5	9500	.25	5.3	2	480/60/3	UPBLAST	BELT	345	302111DA	2,3,5,6,7
EF-6	1100	.25	15	1/3	120/60/1	SIDEWALL	DIRECT	90	ACWD120W150	2,4,5,6,7
EF-7	5300	.25	17.2	1	480/60/3	SIDEWALL	BELT	210	ACWB210W78	2,5,6,7
EF-8	3000	.125	16	1/3	115/60/1	PROPELLER	DIRECT	40	SMO2020S100	2,4,5,6,7,8,9
EF-9	75	.10	1.7	1/25	115/60/1	CEILING	DIRECT	14	GC-120	4,6,7,10
EF-10	4000	.125	18	1/2	277/60/1	PROPELLER	DIRECT	220	AP02411DA	2,4,5,6,7,8,9
EF-11	4000	.125	11	1/2	277/60/1	UPBLAST	BELT	220	210ASR-R4B	2,3,5,6,7
SF-1	7200	.125	5.3	1-1/2	480/60/3	SUPPLY	BELT	750	200 ASP-8	1,3,5,7,13,14
SF-2	8200	.125	5.3	2	480/60/3	SUPPLY	BELT	750	200 ASP-8	1,3,5,7,13,14
SF-3	4000	.125	18	1/2	277/60/1	CEILING	DIRECT	223	APD-S-2411DA	2,5,7,12

REMARKS:
 1. FURNISH WITH 1" PERMANENT WASHABLE FILTERS.
 2. FURNISH WITH BRD SCREEN.
 3. FURNISH WITH 1/2" HIGH INSULATED ROOF CURB.
 4. FURNISH WITH FACTORY INSTALLED SOLID STATE SPEED CONTROL SWITCH.
 5. FURNISH WITH DISCONNECT SWITCH.
 6. FURNISH WITH GRAVITY BACKDRIFT DAMPER.
 7. MODEL BASED ON COOK
 8. FURNISH WITH GSA WIRE FM CURB.
 9. FURNISH WITH WALL COLLAR AND GSS WALL SHUTTER.
 10. PROVIDE WITH A STEEL FACE GRILLE.
 11. BALANCE FANS TO ± 2% OF INDICATED CFM.
 12. WITH MOTORIZED SUPPLY SHUTTER AND WEATHER HOOD.
 13. FURNISH WITH SPRING-RETURN DAMPER.
 14. FURNISH WITH 15 AMP 120V GFI RECEPTACLE CONCEALED IN DOME TOP.

CHILLER SCHEDULE

TAG	SERVICE	MANFR.	MODEL NO.	CAPACITY (TONS)	FLUID	EWT (°F)	LWT (°F)	GPM	PRESS DROP (FT)	ELECTRICAL VOLT	MOCP	EER	REMARKS
CH-1	PROCESS EQUIP.	MCQUAY	AG2-190-D	210.7	WATER	67	57	505.7	29.6	480/60/3	450	11.3	1,2,3,4,5
CH-2	PROCESS EQUIP.	MCQUAY	AG2-190-D	210.7	WATER	67	57	505.7	29.6	480/60/3	450	11.3	1,2,3,4,5
CH-3	PROCESS EQUIP.	MCQUAY	AG2-190-D	210.7	WATER	67	57	505.7	29.6	480/60/3	450	11.3	1,2,3,4,5
CH-4	METALLIZER	MCQUAY	AG2-075-D	83.2	30% PG	67	57	180	13.6	480/60/3	250	11.3	1,2,3,4,6

REMARKS:
 1. FURNISH UNIT WITH SINGLE POINT POWER CONNECTION.
 2. FURNISH UNIT WITH FACTORY INSTALLED WATER FLOW SWITCH.
 3. FURNISH UNIT WITH LOW AMBIENT CONTROLS DOWN TO AN AMBIENT TEMPERATURE OF -10°F.
 4. FURNISH UNIT WITH PROTECTIVE LOWER-TYPE COIL GUARDS THAT SHALL EXTEND TO THE COVER COIL AREA AND THE BASE AREA.
 5. FURNISH UNIT WITH REMOTE EVAPORATOR. ALLOW FOR 100 FT OF EQUIVALENT REFRIGERANT PIPING TO REMOTE EVAPORATOR.
 6. FURNISH UNIT WITH INTEGRAL PUMPING PACKAGE (SINGLE PUMP, 200 GPM, 110 FT. PD, EXTERNAL) COORDINATE ACTUAL REQUIREMENTS WITH ACCEPTED METALLIZER SHOP DRAWINGS.
 * SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

AIR DEVICE SCHEDULE

DESIGNATION: S-SUPPLY, E-EXHAUST, R-RETURN

MARK	MANUFACTURER & MODEL NO. OR EQUAL	MOUNTING	NECK SIZE (IN.)	MOULDE SIZE (IN.)	MAX CFM	MAX NC	MAX P ₃	AIR PATTERN	MATERIAL	FINISH	ORD	REMARKS
S-1	KREUGER S1400	LAY-IN	6"	24x24	100	-	0.03	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-2	KREUGER S1400	LAY-IN	8"	24x24	200	11	0.05	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-3	KREUGER S1400	LAY-IN	10"	24x24	350	19	0.08	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-4	KREUGER S1400	LAY-IN	12"	24x24	500	24	0.11	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-5	KREUGER S1400	LAY-IN	14"	24x24	600	24	0.10	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-6	KREUGER S1400	SURFACE/WALL	6"	12x12	100	-	0.06	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-7	KREUGER S1400	SURFACE/WALL	8"	12x12	200	15	0.11	4-WAY	ALUMINUM	WHITE ENAMEL	Y	1
S-8	KREUGER S880V	SURFACE	14x14	18x18	800	44	0.29	ADJUSTABLE	ALUMINUM	WHITE ENAMEL	Y	1,2
S-9	KREUGER S880V	SURFACE	10x10	14x14	400	28	0.08	ADJUSTABLE	ALUMINUM	WHITE ENAMEL	Y	1,2
S-10	KREUGER DMR	SPIRAL DUCT	48x10	50x12	2000	30	0.10	DBL DEFLECT 45°	ALUMINUM	MILL FINISH	N	1
S-11	KREUGER S880V	SURFACE/WALL	48x28	50x30	4000	25	.06	DBL DEFLECT 45°	ALUMINUM	MILL FINISH	Y	1,2
S-12	KREUGER S880V	SURFACE/WALL	30x30	32x32	2500	20	0.06	DBL DEFLECT 22.5°	ALUMINUM	MILL FINISH	N	1
S-13	KREUGER S880V	SURFACE/WALL	36x30	38x30	3000	21	0.05	DBL DEFLECT 45°	ALUMINUM	MILL FINISH	N	1
E-1	KREUGER S580	LAY-IN	8x8	24x24	180	20	0.06		ALUMINUM	WHITE ENAMEL	Y	1,2
E-2	KREUGER S580	LAY-IN	14x14	24x24	540	20	0.07		ALUMINUM	WHITE ENAMEL	Y	1,2
R-1	KREUGER S5480	LAY-IN	22x22	24x24	1600				ALUMINUM	WHT. ENAMEL		1
R-2	KREUGER S580	WALL MT	48x48	50x50	8000	40	0.04		ALUMINUM	MILL FINISH		1
R-3	KREUGER S580	WALL MT	36x30	38x32	4000	36			ALUMINUM	WHT. ENAMEL		1

REMARKS:
 1. FACTORY COLORS TO BE SELECTED BY ARCHITECT THROUGH SUBMITTAL PROCESS. SEE SPECIFICATIONS FOR COLOR SUBMITTALS.
 2. OPPOSED BLADE DAMPER WHERE DUCT MOUNTED DAMPER NOT ACCESSIBLE OR INDICATED.
 3. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 4. PAINT INTERIOR OF INLET DUCTING NON REFLECTIVE BLACK THROUGH FIRST FITTING.
 5. NECK SIZE INDICATED BY BRANCH DUCT SIZE.
 6. PROVIDE OPTIONAL DAMPER/EXTRACTOR.

GAS UNIT HEATER SCHEDULE

MARK	GUH-1	GUH-2
MANUFACTURER	STERLING	STERLING
MODEL NUMBER	QVEB100	QVEB200
TYPE	BLOWER	BLOWER
LOCATION	PLANT	PLANT
CAPACITY (MBH)	100	200
NATURAL GAS EFFICIENCY	80%	80%
AMPS AT 460/3 PHASE	0.8	1.8
FLUE DIA	4"	5"
CFM	1200	2400
NATURAL GAS CONNECTION	1/2"	1/2"
NATURAL GAS PRESSURE	2 PSI	2 PSI
ACCESSORIES	1-2	1-2
REMARKS	1-4	1-4

ACCESSORIES:
 1. FURNISH WITH HANGER
 2. FURNISH 24 VOLT THERMOSTAT AND TRANSFORMER
 3. FURNISH A 2 PSI TO 8" WC GAS REGULATOR.
 REMARKS:
 1. DESIGN BASIS: STERLING RATED BASED ON 180°F EWT
 2. MOUNT BOTTOM OF UNIT AS SHOWN, GUH-1&2 AT 20°.

ELECTRIC HEATER SCHEDULE

UNIT NO.	MANUFACTURER/MODEL	KW	AMPS	VOLTS/PH	REMARKS
EHW-1	BERKEG G3052T0WB	2.0	7.2	277/1	1, 2, 3, 4
EHW-2	QAWK/CH112020S	1.5	7.2	208/1	1, 2, 3, 4

REMARKS:
 1. FURNISH WITH SURFACE MOUNTING KIT.
 2. FURNISH WITH SELF-CONTAINED CONCEALED THERMOSTAT.
 3. FURNISH WITH BUILT-IN POWER DISCONNECT.
 4. FURNISH WITH THERMAL OVERLOAD PROTECTION.

PACKAGED THRU-WALL HVAC (HEAT PUMP) UNIT SCHEDULE

UNIT NO.	MANUFACTURER/MODEL	CFM	TOTAL COOLING CAP. BTU	HEATING CAP. MBH	VOLTAGE/PHASE	ELECTRIC PROTECTION	OVERCURRENT	EER	COOP	OUTSIDE AIR CFM
PTAC-1	AMANA PTH15A	325	14000	12500	208/1φ	3.5	20 AMP	9.3	2.8	95

NOTE:
 COOLING CAPACITIES BASED ON 80/67°F EAT AND 95°F AMBIENT TEMPERATURE. HEATING CAPACITIES BASED ON 42°F OUTSIDE AIR, INSULATED WALL, SILENCE, INTERNAL THERMOSTAT, OUTDOOR GRILLE MODEL SGK, STANDARD POWER CORD & PLUG, AND CONDENSATE DISPERSAL.

LOUVER SCHEDULE

MARK	WIDTH (IN)	HEIGHT (IN)	MAX CFM	FREE AREA	PD	MATERIAL	SERVICE	MFR & MODEL	MOUNTING HEIGHT	REMARKS
L-1	36	72	9500	10.54	0.10	STEEL	INTAKE	RUSKIN L063750	TOP 84" AFF	1-3
L-2	36	48	5300	5.33	0.09	STEEL	INTAKE	RUSKIN L063750	TOP 84" AFF	1-3
L-3	36	36	3000	4.05	0.06	STEEL	INTAKE	RUSKIN L063750	TOP 84" AFF	1-3

REMARKS:
 1. STEEL, COLOR SELECTED BY ARCHITECT
 2. COMBINATION LOUVER
 3. WITH 120V MOTOR OPERATED DAMPER

ROOFTOP UNIT SCHEDULE (AIR COOLED DX)

TAG	AREA SERVED	MANFR.	MODEL NO.	NOM. TONS	TYPE	SPPLY FAN			COOLING (MBH)			HEAT PUMP		GAS HEAT (MBH)		HEATING EAT/LAT		ELECTRICAL		REMARKS						
						CFM	E.S.P.	OA	TOTAL	SENSIBLE	EAT	LAT	MBH	AUX	INPUT	OUTPUT	EER	COP	GAS		VOLTS	MOCP				
RTU-1	MDO	AAON	RN-04D-X	40	DX + GAS HEAT	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	540.0	432.0	67.3/94.0	10.1	-	80%	480/60/3	125	1,2,3,4,5,6,7,8			
RTU-2	MDO	AAON	RN-04D-X	40	DX + GAS HEAT	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	540.0	432.0	67.3/94.0	10.1	-	80%	480/60/3	125	1,2,3,4,5,6,7,8			
RTU-3	MDO	AAON	RN-04D-X	40	DX COOL ONLY	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	-	-	-	-	-	10.1	-	80%	480/60/3	125	1,2,3,5,6,7,8	
RTU-4	MDO	AAON	RN-04D-X	40	DX COOL ONLY	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	-	-	-	-	-	10.1	-	80%	480/60/3	125	1,2,3,5,6,7,8	
RTU-5	MDO	AAON	RN-04D-X	40	DX COOL ONLY	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	-	-	-	-	-	10.1	-	80%	480/60/3	125	1,2,3,4,5,6,7,8	
RTU-6	MDO	AAON	RN-04D-X	40	DX COOL ONLY	16,000	0.75	1,600	422.8	362.2	75.2/62.2	52.6/52.1	-	-	-	-	-	-	-	10.1	-	80%	480/60/3	125	1,2,3,4,5,6,7,8	
RTU-7	COATING RM.	MCQUAY	MHS006B	6	DX HEAT PUMP	2,400	0.30	240	72.3	55.1	80.0/67.0	58.7/58.1	69.6	15 kW	-	-	68.0/94.7	11.0	2.4	-	480/60/3	45	1,2,3,5,6,7			
RTU-8	OFFICE	MCQUAY	MHS006B	6	DX HEAT PUMP	2,400	0.30	240	72.3	55.1	80.0/67.0	58.7/58.1	69.6	15 kW	-	-	68.0/94.7	11.0	2.4	-	480/60/3	45	1,2,3,5,6,7			
RTU-9	CTRL RM P-137	MCQUAY	MHS003B	3	DX HEAT PUMP	1,200	0.30	120	38.7	29.8	80.0/67.0	58.7/58.1	32.7	10 kW	-	-	68.0/93.1	13.0	2.1	-	480/60/3	30	1,2,3,5,6,7			
RTU-10																										
RTU-11																										
RTU-12	CTRL PNL RM	MCQUAY	MHS020B	20	DX COOL ONLY	8,000	1.00	800	246.7	183.3	80.0/67.0	58.7/58.1	-	-	-	-	-	-	-	11.1	-	80%	480/60/3	80	1,2,3,5,6,7	
RTU-13	CTRL PNL RM	MCQUAY	MHS020B	20	DX COOL ONLY	8,000	1.00	800	246.7	183.3	80.0/67.0	58.7/58.1	-	-	-	-	-	-	-	11.1	-	80%	480/60/3	80	1,2,3,5,6,7	
RTU-14	CTRL PNL RM	MCQUAY	MHS010B	10	DX COOL ONLY	4,000	1.00	400	125.7	96.9	80.0/67.0	57.6/56.9	-	-	-	-	-	-	-	11.2	-	80%	480/60/3	35	1,2,3,5,6,7	
RTU-15	CTRL PNL RM	MCQUAY	MHS010B																							