WATER SOURCE HEAT PUMP SCHEDULE

MARK	SIZE	CFM	MIN O.A. CFM	ESP (IN.W.G.)

DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

		AIRFLOW DATA		COOLING							HEATING					SUPPLY FAN		EXHAUST FAN		ELECTRICAL DATA						
					ENERGY RECOVERY							ENERGY RECOVERY		AUXILIARY GAS HEAT												
MARK	WEIGHT	SUPPLY AIR CFM	EXHAUST AIR CFM	O/A DB / WB	BUILDING RET/EXH DB/WB	SUPPLY AIR DB/WB	EVAP COIL LAT DEG F DB/WB	TOTAL CAP MBH	SENS CAP MBH	HOT GAS REHEAT LAT DEG. F DB	O/A DB	BUILDING RET/EXH DB/WB	SUPPLY AIR DB/WB	MBH IN/OUT	MIN STAGES	ESP IN W.G.	HP	ESP IN W.G.	HP	MCA	MOP	VOLTS	PH	HZ	MANUFACTURER AND MODEL NUMBER	REMARKS
DOAS-1																										
DOAS-2																										

NOTES:
1. WEIGHT DOES NOT INCLUDE CURB WEIGHT. REFER TO CURB SUBMITTAL FOR ACTUAL WEIGHT.
2. PROVIDE UNIT WITH ROOF CURB, HAIL GUARD, BAS INTERFACE, 2" DOUBLE WALL FOAM INJECTED PANELS, DIGITAL SCROLL COMPRESSOR, MODULATING HOT GAS REHEAT, DISCONNECT SWITCH, AND UNIT SERVICE LIGHTS.
3. PROVIDE UNIT WITH OUTSIDE AND EXHAUST AIR ISOLATION DAMPERS.

DIRECT FIRED MAKE-UP AIR HANDLING UNIT SCHEDULE

				FAN DATA						HEATING SECTION					COOLING SECTION				ELECTRICAL DATA						
MARK	WEIGHT	DIMENSIONS	MIN OA CFM	CFM	EXT SP (IN WG)	QTY	DIA	FAN MOTOR HP	RPM	TEMP RISE (°F)	MIN HTG CAP INPUT (MBH)	MAX HTG CAP INPUT (MBH)	MAX HTG CAP OUTPUT (MBH)	TURN DOWN	ENTERING AIR TEMP (DB / WB)	LEAVING AIR TEMP (DB / WB)	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	FACE VELOCITY AT COIL (FPM)	MCA	MOP	VOLTS	PH	HZ	MANUFACTURER AND MODEL NUMBER	REMARKS

NOTES:
1. PROVIDE UNIT WITH ROOF CURB, DISCONNECT SWITCH, AND CONDENSER HAIL GUARD.
2. UNIT TO CONTROL BASED ON DISCHARGE AIR TEMPERATURE AND BE INTERLOCKED WITH EF-1.

DUCTLESS SPLIT SYSTEM AIR CONDITIONING SCHEDULE

				COOLING COIL DATA						OUTDOOR UNIT DATA				ELECTRICAL DATA				
				CAPACITY (MBH)														
MARK	WEIGHT	DIMENSIONS	CFM	MIN	MAX	RATED CAPACITY (MBH)	EFFICIENCY (SEER)	MANUFACTURER AND MODEL NUMBER	WEIGHT	DIMENSIONS	AMB TEMP (°F)	REFER TYPE	MITSUBISHI MR SLIM	MCA	VOLTS	PH	HZ	REMARKS

NOTES:
1. AIRFLOW BASED ON MEDIUM FAN SPEED AND WET COIL.
2. PROVIDE UNIT WITH WALL MOUNTED THERMOSTAT, MERV 8 PLEATED FILTER AND INTEGRAL CONDENSATE PUMP, X85-003 WITH FACIA KIT T18-016.
3. HEAT PUMP UNIT WITH MINIMUM HEATING OUTPUT OF 20.3 MBH AT 5°F AMBIENT OUTDOOR AIR TEMPERATURE. MINIMUM 12 HSPF.
4. PROVIDE UNIT WITH WP-PA4 WIND BAFFLE FOR OPERATION TO 0°F.

HOOD SCHEDULE

					HOOD DIMENSIONS				EXHAUST COLLAR		MAU	FRONT SUPPLY PLENUMS (DIMS)			MAU SUPPLY COLLARS PER SUPPLY PLENUM				
MARK	LOCATION	SERVES	TYPE	TOTAL EXH CFM	LENGTH (IN)	WIDTH (IN)	HEIGHT (IN)	MAX APD (IN WG)	L (IN)	W (IN)	CFM	L (IN)	W (IN)	H (IN)	QTY	L (IN)	W (IN)	MANUFACTURER AND MODEL NUMBER	REMARKS
KH-1																			

COOLING TOWER SCHEDULE

										ELECTRICAL					
MARK	WEIGHT	DIMENSIONS (FT)	AIR FLOW TOTAL (CFM)	FLUID	FLUID FLOW (GPM)	EWT (°F)	LWT (°F	WET BULB TEMP (°F)	TOTAL CAPACITY (MBH)	FAN HP	VOLT	PH	HZ	MANUFACTURER AND MODEL NUMBER	REMARKS
CT-1															

NOTES: 1. PROVIDE UNIT WITH VIBRATION CUT-OFF SWITCH AND SHAFT GROUNDING KIT.

PLATE AND FRAME HEAT EXCHANGER SCHEDULE

				HOT-SIDE DATA						COLD-SIDE DATA							
MARK	WEIGHT	DIMENSIONS	LOAD (MBH)	FLUID	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	# OF PASSES	MAX PD (PSI)	FLUID	FLOWRATE (GPM)	EWT (°F)	LWT (°F)	# OF PASSES	MAX PD (PSI_	MANUFACTURER AND MODEL NUMBER	REMARKS
HX-1																	

NOTES: 1

PUMP SCHEDULE

								ELECTRICAL DATA						
MARK	WEIGHT	DIMENSIONS (IN)	SERVES	TYPE	FLOW GPM	HEAD FT WG	MIN % EFF	RPM	HP	VOLTS	PH	HZ	MANUFACTURER AND MODEL NUMBER	REMARKS
P-1,2			HEAT PUMPS	BASE MOUNTED END SUCTION									TACO	1,2
P-3,4			CT-1	VERTICAL TURBINE									TACO	3

NOTES:
1. PROVIDE PUMP WITH SUCTION DIFFUSER, AND INTEGRAL SHAFT GROUNDING ON MOTOR.
2. PROVIDE PUMP WITH INTEGRAL VARIABLE FREQUENCY DRIVE, SHIPPED LOOSE FOR FIELD MOUNTING.
3. PROVIDE VFD FOR VERTICAL TURBINE PUMP. VFD FOR THIS PUMP IS NOT INTEGRAL TO THE PUMP.

DIFFUSER, REGISTER AND GRILLE SCHEDULE

MARK	TYPE	FACE SIZE (IN.)	NECK SIZE (IN.)	FINISH	MAX PD (IN WG)	MAX NC AT PD SHOWN	KRUEGER MODEL NUMBER	TITUS MODEL NUMBER	PRICE MODEL NUMBER	REMARKS
S-1	LAY-IN	24 x 24	SEE PLANS	WHITE	0.1	30	PLQ	OMNI	SPD	1
S-2	HARD CEILING	SEE PLANS	-	WHITE	0.1	30	PLQ	OMNI	SPD	1,2
S-3	BAR GRILLE	SEE PLANS	-	WHITE	0.1	30	880	350	520	3
S-4	BAR GRILLE	SEE PLANS	-	WHITE	0.1	30	800-V	---	540	4
R-1	LAY-IN	24 x 24	SEE PLANS	WHITE	0.1	30	EGC10	FF50	80	5
R-2	HARD CEILING	SEE PLANS	-	WHITE	0.1	30	EGC10	FF50	80	6
R-3	BAR GRILLE	SEE PLANS	-	WHITE	0.1	30	580	350R	530	7
E-1	LAY-IN	24 x 24	SEE PLANS	WHITE	0.1	30	EGC10	FF50	80	6
E-2	HARD CEILING	SEE PLANS	-	WHITE	0.1	30	EGC10	FF50	80	7

NOTES:
1. PROVIDE WITH AIR STRAIGHTENING GRID IN NECK.
2. PROVIDE WITH SURFACE MOUNTED FACE FRAME.
3. 45° BLADE DEFLECTION
4. SUPPLY GRILLE TO HAVE INTEGRAL PARALLEL BLADE DAMPER WITH CONTROLLER ACCESSIBLE THROUGH FACE.
5. 1"x1"x1" EGGCRATE. FACE TO FILL ENTIRE GRID SPACE, BUT OPENING TO MATCH SIZE SHOWN ON PLANS.
6. PROVIDE WITH SURFACE MOUNTED FACE FRAME WITH 1"x1"x1" OPENINGS AS SHOWN ON THE PLANS.
7. 35° BLADE DEFLECTION

CABINET UNIT HEATER SCHEDULE

				WATER DATA						MOTOR DATA					
MARK	SERVES	CFM	EAT (°F)	GPM	EWT (°F)	LWT (°F)	MAX PD (FT WATER)	HEATING CAP (MBH)	CONFIGURATION	WATTS	VOLTS	PH	HZ	MANUFACTURER AND MODEL NUMBER	REMARKS

NOTES:
1. THIS IS NOTE 1
2. THIS IS NOTE 2

GAS FIRED HOT WATER BOILER SCHEDULE

							WATERSIDE DATA					
MARK	WEIGHT (LBS)	DIMENSIONS L X W X H (IN)	TYPE	INPUT MBH (NAT GAS)	COMBUSTION EFFICIENCY (%)	TURNDOWN RATIO	WATER VOLUME (GAL)	EWT (°F)	LWT (°F)	HEAT EXCHANGER SURFACE AREA (FT^2)	MANUFACTURER AND MODEL NUMBER	REMARKS
B-1	1,212	60.8 X 33.3 X 67.2	GAS	1500	96.1	15:1	18	120	140	12.91	RIELLO AR1500	1

NOTES: 1. PROVIDE UNIT WITH BAS INTERFACE.

MISCELLANEOUS MECHANICAL EQUIPMENT SCHEDULE

MARK	FUNCTION	SERVES	LOCATION	OPERATING CONDITIONS	CAPACITY AND MOTOR HP	MANUFACTURER AND MODEL NUMBER	REMARKS
AS-	AIR SEPARATOR	HEAT PUMP SYSTEM	MECH RM	GPM @ FT WAT PD		TACO	

EXPANSION TANK SCHEDULE

MARK	WEIGHT	DIMENSIONS	TYPE	TOTAL SYSTEM GALLONS	TEMP RANGE (°F)	FILL PRESSURE (PSIG)	MAX OPER. PRESSURE (PSIG)	MANUFACTURER AND MODEL NUMBER	REMARKS
ET-1									

WATER-SOURCE HEAT PUMP MASTER SCHEDULE

				COOLING DATA							HEATING DATA					ELECTRICAL DATA					
MARK	CFM	FLOW RATE (GPM)	PRESS. DROP (FT WATER)	WL EWT (°F)	WL LWT (°F)	TOTAL CAP (MBTUH)	SENSIBLE CAP (MBTUH)	HT REJ (MBTUH)	AHRI EER	TOTAL POWER (KW)	WL EWT (°F)	WL LWT (°F)	TOTAL CAP (MBTUH)	HT ABS (MBTUH)	AHRI COP	VOLTS	MIN CIRC AMPS	MAX FUSE AMPS	DIMENSIONS L x W x H	MANUFACTURER AND MODEL NUMBER	REMARKS

NOTES: 1. ALL HEAT PUMPS WILL BE MOUNTED ON STAND. SEE ARCHITECTURAL PLANS FOR REQUIREMENTS OF HEAT PUMP STAND.

DESIGNED: AJP BSS/IE DATE: 11/26/2019
DRAWN: AJP/MLB REVISIONS: No.: DATE: BY: DESCRIPTION:
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PROJECT NO.: 07435.002

M501