

PACKAGED HEAT PUMP UNIT SCHEDULE																							
UNIT SYMBOL	SERVICE	SUPPLY FAN					EVAPORATOR											ELECTRICAL				MAXIMUM OPERATING WT (LBS)	REMARKS
		MINIMUM AIR FLOW (CFM)	EXTERNAL SP (IN W.G.)	MOTOR			COOLING							HEATING				MINIMUM CIRCUIT (AMPS)	VOLTS	PHASE	HERTZ		
				HP	VOLTS	PHASE	MINIMUM CAPACITY TOTAL (BTUH)	MAXIMUM CAPACITY SENSIBLE (BTUH)	EVAP ENT DB (°F)	EVAP ENT WB (°F)	EVAP LGV DB (°F)	OUTDOOR AIR TEMP (°F)	EER	MINIMUM CAPACITY BTUH REVERSE CYCLE	OUTDOOR AIR TEMP (°F)	COP(MIN) @ ARI CONDITIONS	ELECTRIC RESISTANCE HEATER (KW)						
HP-G1	BASEMENT MAIL ROOM	780	0.5	1/8	460	3	23000	19800	78	62	54.6	95	12.0	24000	37	3.2	5.4	54.5	208	1	60	500	FURNISH WITH ROOF CURB, FILTERS, ECONOMIZER AND RELIEF DAMPERS, COPPER FINS COATED WITH CORROSION RESISTANT MATERIAL- REFRIGERANT R-22.

NOTES:
1. FOR ABBREVIATIONS, LEGEND, AND GENERAL NOTES SEE H1

COOLING TOWER SCHEDULE										
UNIT NO.	LOCATION	NO. CELLS	RATED GPM ACTUAL (GPM)	MAX. P.D. (FT WC)	TEMPERATURES (°F)			FAN MOTOR		
					AIR WB	WATER IN	WATER OUT	RPM	NOML HP (W)	PHASE VOLT
CT-R1	ROOF	1	45 (22)	12	66	95	85	1750	1.5 @ 60	3-460

FAN SCHEDULE														
MARK	LOCATION	SERVES	TYPE	CFM	TOTAL SP IN W.G.	FAN RPM	MOTOR DATA					DRIVE	WEIGHT (LBS)	REMARKS
							HP	RPM	VOLTS	PH	HZ			
EF-B1	CORRIDOR CBB 6	BIO-HAZARD STORE	IN-LINE, CENT.	325	0.75	1200	1/8	1550	110	1	60	DIRECT	200	① ② ⑦
EF-B2	CORRIDOR CBB 3	CORRIDOR CBB 3	IN-LINE, CENT.	200	0.5	1500	1/4	1750	110	1	60	DIRECT	150	① ② ⑦
EF-B3	CORRIDOR CBB 3	RADIATION STORE	IN-LINE, CENT.	300	0.75	1500	1/4	1750	110	1	60	DIRECT	150	① ② ⑦
EF-G1	LOADING DOCK ROOF	HV-G1	AXIAL ROOF FAN	2200	0.375	1480	3/4	1750	460	3	60	BELT	300	①
EF-G2	LOADING DOCK ROOF	PHARMACY HOOD	UPBLAST UTILITY CF	1200	3	2520	1 1/2	1750	460	3	60	BELT	500	① ② ③ ⑤
EF-R1	ROOF	BARIATRIC ROOMS 3B62, 2B65	UPBLAST UTILITY CF	640	2.5	2600	3/4	1750	460	3	60	BELT	500	① ② ③ ⑤
EF-R2	ROOF	ISOLATION ROOMS 3B56, 2B57	UPBLAST UTILITY CF	1160	2.5	2340	1	1750	460	3	60	BELT	400	① ② ③ ⑤
EF-R3	ROOF	BARIATRIC ROOMS 2B17, 3B18	UPBLAST UTILITY CF	720	2.5	2680	3/4	1750	460	3	60	BELT	400	① ② ③ ⑤
EF-R4 (EXISTING)	ROOF	ISOLATION ROOMS 2B12, 3B12	UPBLAST UTILITY CF	980	2.5	2250	—	—	—	—	—	BELT	400	EXISTING FAN REBALANCE AND REUSE
EF-R5	ROOF	ROOMS 1A32A AND 1A39A	UPBLAST UTILITY CF	1000	2.5	2255	3/4	1750	460	3	60	BELT	400	① ② ③ ⑤
TF-B1	PHARMACY	PHARMACY HOOD	IN-LINE, CENT.	900	0.375	920	1/3	1750	208	1	60	DIRECT	150	② ⑦
FF-B1	EXTERIOR DOOR CORRIDOR CBB6	CORRIDOR CBB6	CENTRIFUGAL HOUSED AIR DOOR	5100	---	1750	TWO - 1/2	1750	115	1	60	DIRECT	300	①
FF-B2	EXTERIOR DOOR CORRIDOR CBB6	CORRIDOR CBB6	CENTRIFUGAL HOUSED AIR DOOR	5100	---	1750	TWO - 1/2	1750	115	1	60	DIRECT	300	①
① FURNISH WITH PHENOLIC EPOXY COATING AND TOP UV COATING ON ENTIRE FAN ② FURNISH FLANGED INLET & FLEX CONNECTOR. ③ HOUSING DRAIN. ④ GALVANIZED STEEL CONSTRUCTION ⑤ STAINLESS STEEL CONSTRUCTION ⑥ 30% EFF DISPOSABLE FILTER AND GALVANIZED SIDE ACCESSIBLE FILTER BOX														
⑦ PRE-WIRED FAN SPEED CONTROLLER FOR BALANCING														

HEAT PUMP FAN COIL SCHEDULE																	
MARK	LOCATION	TYPE	(CFM)	DX COOLING DATA				HEATING DATA				POWER DATA				MINIMUM O/A CFM	REMARKS / KNOWN ACCEPTABLE SOURCE
				EAT (°F)		MIN CAP (MBH)	SAT SUCTION TEMP (°F)	EAT (°F) DB	MIN CAP COMPRESSOR (MBH)	KW	MCA	VOLT	PH	HZ			
				DB	WB	SENS									TOTAL		
FCU-B1	CBB-3 ABOVE CEILING	HORIZONTAL FAN-COIL	700	79	62	17	17	45	48	17 @ 47 DEG F	2.3	24.5	208	1	60	200	FURNISH WITH DISPOSABLE FILTERS AND SUSPENSION KIT

PUMP SCHEDULE											
SYMBOL	SERVICE	MINIMUM CAPACITY (GPM)	TOTAL DYNAMIC HEAD (FT WC)	TYPE	MAXIMUM RPM	PUMP MINIMUM EFFICIENCY %	MOTOR				REMARKS
							MINIMUM HP	VOLTAGE	PHASE	HERTZ	
P-R1,R2	CT-R1	22	50	VERTICAL IN-LINE CENTRIFUGAL	1750	44	1.5	460	3	60	
CHWP-1,2	HV-1&3	234	90	CENTRIFUGAL	1750	70	10	460	3	60	

LIQUID-CHILLING PACKAGE, AIR COOLED *																	
SYMBOL	TYPE	NOMINAL CAPACITY TONS	EVAPORATOR (COOLER)						CONDENSER ENTERING AIR TEMP °F DB	EER (MIN) AT ARI CONDITIONS	COP	ELECTRICAL				MAX OPERATING WT LBS	REMARKS
			GPM	LIQUID USED	TEMP IN °F	TEMP OUT °F	MAX LIQUID PRESS DROP FT WC	FOULING FACTOR				VOLTAGE	PHASE	HERTZ	MIN CIRCUIT AMPS		
CCU-1	HELICAL SCREW	140 (152 @ DESIGN)	234	WATER	57	42	25	.0005	95	10.5	3.0	460	3	60	282	15,000	
* PROVIDE SPRING TYPE VIBRATION ISOLATORS, Y-DELTA STARTER, CONTROL POWER TRANSFORMER, CORROSION RESISTANT MATERIAL COATED COPPER FINS, LEAD LAG COMPRESSOR SEQUENCER, FURNISH WITH R-134A REFRIGERANT, SINGLE POINT POWER CONNECTION, BUILDING DDC HOOK-UP GATEWAY.																	

COOLING COIL, CHILLED WATER (IN EXISTING HV UNITS)															
SYMBOL	CFM	MIN CAPACITY TOTAL MBH	MIN CAPACITY SENSIBLE MBH	ENTERING AIR TEMP ° F		LEAVING AIR TEMP °F	GPM	ENTERING WATER TEMP ° F	GLYCOL %	MAX AIR PRESS DROP IN WC	MAX WATER PRESS DROP FT WC	MAX FACE VELOCITY FPM	MIN NO OF ROWS	CONTROL VALVE TYPE	REMARKS
				DRY BULB	WET BULB	DRY BULB									
CC-1	26,100	765	765	83	63	57	102	42	0	0.4	8	500	4	3-WAY	AREA A, FURNISH WITH SLOPED STAINLESS STEEL DRAIN PAN, CONTRACTOR SHALL FIELD MEASURE EXACT COIL SIZE AND PIPING CONNECTIONS COPPER COIL AND COATED COPPER FINS
HV-1															
CC-2	32,800	962	962	83	63	56.4	132	42	0	0.4	8	500	4	3-WAY	AREA B, FURNISH WITH SLOPED STAINLESS STEEL DRAIN PAN, CONTRACTOR SHALL FIELD MEASURE EXACT COIL SIZE AND PIPING CONNECTIONS COPPER COIL AND COATED COPPER FINS
HV-3															

AIR DISTRIBUTION SCHEDULE								
UNIT SYMBOL	DESCRIPTION	NECK SIZE	CAPACITY (CFM)	MAX NECK VELOCITY (FPM)	MAX NC	S.P. DROP (IN W.G.)	DAMPER	REMARKS
S1	FOR T-BAR CEILING APPLICATION WITH 24x24 OR 24x12 FACE 4-WAY THROW PATTERN UNLESS INDICATED OTHERWISE ON PLANS. ALL CORRIDORS SHALL HAVE 2 WAY THROW	6"ø	0-100	500	25	0.09	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
S2	FOR GYP BOARD CEILING, AND DUCT OR WALL MOUNTED APPLICATION 4-WAY THROW PATTERN UNLESS INDICATED OTHERWISE ON PLANS.	6"ø	0-100	500	25	0.09	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
R1	FOR T-BAR CEILING APPLICATION WITH 24x24 OR 24x12 FACE OR 24x48 FACE	6"ø	0-100	500	25	0.09	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
R2	FOR GYP BOARD CEILING, AND DUCT OR WALL MOUNTED APPLICATION 4-WAY THROW PATTERN UNLESS INDICATED OTHERWISE ON PLANS.	6"ø	0-100	500	25	0.09	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
		36x14	536-1550					
E1	FOR T-BAR CEILING APPLICATION WITH 24x24 OR 24x12 FACE	6"ø	0-100	400	25	0.06	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
E2	FOR GYP BOARD CEILING, AND DUCT OR WALL MOUNTED APPLICATION	6"ø	0-100	500	25	0.09	ØBD	1, 2
		8"ø	101-175					
		10"ø	176-270					
		12"ø	271-390					
		14"ø	391-535					
		16"ø	536-820					
		36x14	536-1550					
NOTES:								
1. PROVIDE SQUARE TO ROUND ADAPTER AS NECESSARY.								
2. DUCT CONNECTION SIZE SAME AS NECK SIZE. TRANSITION DUCT AS REQUIRED.								