

HVAC DESIGN DATA					
OUTDOOR DESIGN TEMPERATURES	92.7 (33.7) F (C) Db SUMMER		DESIGN ALTITUDE: 19 (483) FT. (MM)		
	77.1 (25.1) F (C) Wb SUMMER				
	40 (4.4) F (C) Db WINTER				
INDOOR AREA DESIGN CONDITIONS	SUMMER		WINTER		
	Db F (C)	% HUMIDITY	Db F (C)	% HUMIDITY	
SURGERY	68 (20)	55	75 (24)	50	

VA DETAIL: 15050-21

AIR FLOW CONTROL VALVE (TERMINAL UNITS) SCHEDULE					
UNIT NO.	SYSTEM	CFM [L/S]	S.P. AT MAX. CFM IN. (mm)	SPACE NC	SERVICE
ETU2-5-1	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-2	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-3	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-4	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-5	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-6	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-7	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR
ETU2-5-8	EF2-5	1150 [543] / 450 [212]	0.5 [13]	35	SURGERY: OR

AIR HANDLING UNIT SCHEDULE										
UNIT NO.	LOCATION	AREA SERVED	SUPPLY FAN NO.	CFM [L/s]			EXTERNAL STATIC PRESSURE (NOTE 1) IN (mm)	SPECIFIED INTERNAL PRESSURE (NOTE 2) IN (mm)	UNSPECIFIED INTERNAL LOSSES (NOTE 3) IN (mm)	FAN TOTAL S.P. (NOTE 4) IN (mm)
				SUPPLY	SUPPLY CAPACITY	O.A.				
AHU1-1	5th FLOOR PENTHOUSE	CLINIC	1-SF1	27,460 [12,960]	29,987 [14,152]	20,850 [9,840]	2.5 [63.5]	2.3 [58.4]	1.6 [40.6]	6.4 [162.6]
AHU1-2	5th FLOOR PENTHOUSE	CLINIC	1-SF2	16,760 [7,910]	18,302 [8,444]	10,790 [5,092]	2.5 [63.5]	2.3 [58.4]	1.5 [38.1]	6.3 [160]
AHU1-3	3rd FLOOR PENTHOUSE	REC/SECURITY	1-SF3	9,770 [4,511]	10,889 [5,035]	4,570 [2,157]	3.66 [93.0]	2.03 [51.6]	0.54 [13.7]	6.23 [158.2]
AHU1-4	3rd FLOOR PENTHOUSE	PHARMACY	1-SF4	4,700 [2,218]	5,132 [2,422]	710 [335]	2.62 [66.5]	2.12 [53.6]	0.88 [22.4]	5.62 [142.7]
AHU1-5	3rd FLOOR PENTHOUSE	RADIOLOGY	1-SF5	9850 [4,649]	10,756 [5,076]	2,940 [1,388]	3.55 [90.2]	2.04 [51.8]	0.97 [24.6]	6.56 [166.6]
AHU1-6	3rd FLOOR PENTHOUSE	LAB	1-SF6	4,700 [2,218]	5,132 [2,422]	2920 [1378]	3.58 [90.9]	2.16 [54.9]	1.22 [31.0]	6.96 [176.8]
AHU1-7	1ST FLOOR	CAFE	1-SF7	6,155 [2,904]	6,770 [3,195]	1010 [477]	3.75 [95.3]	1.33 [33.8]	0.33 [7.62]	5.41 [137.8]
AHU2-1	5th FLOOR PENTHOUSE	CLINIC	2-SF1	14,970 [7,065]	16,347 [7,715]	6,780 [3,144]	3.53 [90.7]	2.19 [55.6]	1.29 [32.8]	7.01 [178.1]
AHU2-2	5th FLOOR PENTHOUSE	CLINIC	2-SF2	6,110 [2,884]	6,672 [3,149]	1,820 [859]	3.65 [92.7]	2.29 [58.2]	1.27 [32.3]	7.21 [183.1]
AHU2-3	5th FLOOR PENTHOUSE	DENTAL LAB	2-SF3	8,140 [3,842]	8,889 [4,195]	5,150 [2,431]	3.64 [92.5]	2.2 [55.9]	1.46 [37.1]	7.3 [185.4]
AHU2-4	3rd FLOOR PENTHOUSE	SPD	2-SF4	10,590 [4,998]	11,564 [5,458]	10,130 [4,781]	3.86 [98.0]	2.02 [51.3]	0.94 [23.9]	6.82 [173.1]
AHU2-5	3rd FLOOR PENTHOUSE	SURGERY	2-SF5	16,930 [7,990]	18,487 [8,725]	16,850 [7,952]	2.5 [63.5]	3.54 [89.9]	1.61 [40.9]	7.65 [194.3]
AHU2-6	3rd FLOOR PENTHOUSE	PREP/RECOVERY	2-SF6	9,970 [4,705]	10,887 [5,138]	2,130 [1,005]	3.84 [97.5]	2.2 [55.9]	1.36 [34.5]	7.4 [188.0]
AHU3-1	5th FLOOR PENTHOUSE	CLINIC	3-SF1	16,640 [7,853]	18,170 [8,575]	6,430 [3,035]	3.47 [88.1]	2.26 [57.4]	1.76 [44.7]	7.49 [190.2]
AHU3-2	5th FLOOR PENTHOUSE	CLINIC	3-SF2	11,600 [5,475]	12,667 [5,978]	6,100 [2,879]	3.47 [88.1]	2.29 [58.2]	1.75 [44.5]	7.51 [190.8]
AHU4-1	5th FLOOR PENTHOUSE	CLINIC	4-SF1	14,420 [6,805]	15,747 [7,432]	4,450 [2,100]	3.57 [90.7]	2.16 [54.9]	1.05 [26.7]	6.78 [172.2]
AHU4-2	5th FLOOR PENTHOUSE	CLINIC	4-SF2	13,100 [6,183]	14,305 [6,751]	7,010 [3,308]	3.63 [92.2]	2.2 [55.9]	1.27 [32.3]	7.1 [180.3]

BASIS OF DESIGN: TRANE CUSTOM LEXINGTON

NOTES:

- EXTERNAL STATIC PRESSURE REQUIRED AT DUCT CONNECTIONS TO INLET & OUTLET OF AHU. MEASUREMENTS SHALL BE TAKEN WITHIN 3 FT. [1.0 M] OF INLET AND OUTLET AT A POINT OF MAX. ACCURACY.
- TOTAL OF MAX. PRESSURE DROPS OF COMPONENTS WHICH ARE SPECIFIED SEPARATELY, IE., PREFILTERS, AFTER FILTERS, HEATING & COOLING COILS, DIFFUSER PLATE, AND SOUND ATTENUATORS.
- INTERNAL LOSS ALLOWANCE SHALL INCLUDE LOSSES DUE TO ENTRANCE & EXIT OF AHU, MIXING BOXES, DIFFUSER SECTION (OTHER THAN DIFFUSER PLATE) INCLUDING LOSSES DUE TO FAILURE TO PROPERLY CONVERT FAN DISCHARGE VELOCITY PRESSURE TO STATIC PRESSURE, FAN INLET CONDITIONS, CASINGS, HUMIDIFIERS, DAMPERS, ETC.
- TOTAL FAN S.P. = EXTERNAL STATIC PRESSURE + SPECIFIED INTERNAL LOSSES + UNSPECIFIED INTERNAL LOSSES. MANUFACTURER SHALL PROVIDE SUBMITTAL SHOWING ACTUAL LOSSES OF ALL EQUIPMENT PROVIDED. REFER TO FAN SCHEDULE FOR ADDITIONAL FAN SELECTION INFORMATION.

WATER COOLED CHILLER SCHEDULE															
UNIT NO.	MODEL NO.	LOCATION	MIN. TONS [kW]	NPLV	MAX. KW PER TON [W]	COMPRESSOR MOTOR		EVAPORATOR				CONDENSER			
						HP [kW]	PHASE VOLT	GPM [L/s]	ENT. WATER TEMP. °F [°C]	L.V.G. WATER TEMP. °F [°C]	MAX. P.D. [FT.]	GPM [L/s]	ENT. WATER TEMP. °F [°C]	L.V.G. WATER TEMP. °F [°C]	MAX. P.D. [FT.]
CU-1	CVHE0450	CEP	350 [313]	0.529	0.558 [558]	231 [172.3]	3-460	597.0 [37.7]	56.0 [13.3]	42.0 [5.6]	0.98	817.5 [51.6]	85 [29.4]	97 [36.1]	4.63 NO
CU-2	CVHE0450	CEP	350 [313]	0.529	0.558 [558]	231 [172.3]	3-460	597.0 [37.7]	56.0 [13.3]	42.0 [5.6]	0.98	817.5 [51.6]	85 [29.4]	97 [36.1]	4.63 NO
CU-3	CVHE0450	CEP	350 [313]	0.529	0.558 [558]	231 [172.3]	3-460	597.0 [37.7]	56.0 [13.3]	42.0 [5.6]	0.98	817.5 [51.6]	85 [29.4]	97 [36.1]	4.63 NO

BASIS OF DESIGN: TRANE

HEAT PUMP CHILLER SCHEDULE															
UNIT NO.	MODEL NO.	LOCATION	MIN. TONS [kW]	IPLV	MAX. KW PER TON [W]	COMPRESSOR MOTOR		EVAPORATOR				CONDENSER			
						HP [kW]	PHASE VOLT	GPM [L/s]	ENT. WATER TEMP. °F [°C]	L.V.G. WATER TEMP. °F [°C]	MAX. P.D. [FT.]	GPM [L/s]	ENT. WATER TEMP. °F [°C]	L.V.G. WATER TEMP. °F [°C]	MAX. P.D. [FT.]
HPC-1	RTWD	CEP	70 [63.7]	0.567	1.85	185 [138]	3-460	121 [7.6]	56 [13.3]	42.0 [5.6]	5.3	252 [15.9]	130 [54]	140 [60]	11.8 1239.4 NO

BASIS OF DESIGN: TRANE

PACKAGED AIR COOLED RECIPROCATING CHILLER UNIT									
UNIT NO.	MODEL NO.	EQUIPMENT	LOCATION	PERFORMANCE MINIMUM CAPACITY		MOTOR		REMARKS	
						HP [W] INPUT	PHASE VOLT		
CH-4	CGAM035	COMPRESSOR	3RD FLOOR ROOF	35 TONS [31.8 MT]		25 RLA, 160 LRA	3-460	SHALL BE CAPABLE OF CAPACITY REDUCTION TO 20 %	
	CGAM035	EVAPORATOR		85 GPM [5.4 L/S] 51°F [10.6°C] WATER IN 41°F [5°C] WATER OUT	----	----	MINIMUM FLOW: 41 GPM [2.6 L/S] MAXIMUM FLOW: 110 GPM [6.9 L/S]		
	CGAM035	AIR COOLED CONDENSER		AIR COOLED CONDENSER SHALL PROVIDE ABOVE PERFORMANCE WITH 95°F [35°C] AMBIENT TEMP.		1.25 [1.0] EACH	3-460	3 FANS; SHALL PERFORM SATISFACTORILY AT MIN. COMPRESSOR CAPACITY WITH 95 °F [35°C] AMBIENT TEMP.	

BASIS OF DESIGN: TRANE

NOTES:

- PACKAGED AIR COOLED RECIPROCATING CHILLER UNIT SHALL BE PROVIDED WITH HOT GAS BYPASS BY MANUFACTURER TO PROVIDE SATISFACTORY OPERATION DOWN TO 20% CAPACITY WITH A 40°F AMBIENT TEMPERATURE. STARTERS SHALL BE FURNISHED BY MANUFACTURER OF EQUIPMENT. COMPRESSOR STARTER SHALL BE PART WINDING TYPE WITH A MAXIMUM CURRENT INRUSH OF 70% OF FULL LOAD CURRENT OR MULTIPLE COMPRESSORS SHALL BE FURNISHED.
- PROVIDE INTEGRAL DUPLEX CHILLED WATER PUMPS (3HP EACH) IN PACKAGED UNIT. INTERLOCK CHILLED WATER PUMP WITH PACKAGED AIR COOLED WATER CHILLER UNIT TO START AUTOMATICALLY WITH MANUFACTURER'S RECOMMENDED TIME DELAY AFTER CHILLED WATER PUMP IS STARTED. PACKAGED AIR COOLED WATER CHILLER TO BE PROVIDED WITH MANUFACTURER'S RECOMMENDED SAFETY CONTROLS AND CAPACITY REDUCTION CONTROLS TO PROVIDE SATISFACTORY OPERATION DOWN TO 20% CAPACITY WITH A 40°F AMBIENT TEMPERATURE.

COOLING TOWER SCHEDULE												
UNIT NO.	MODEL NO.	LOCATION	NO. CELLS	GPM [L/S] EACH CELL	MAX. P.D. FT. (M) WATER	TEMPERATURES °F [°C]			FAN MOTOR			
						AIR WB	WATER IN	WATER OUT	RPM	NOM. HP [KW]	PHASE VOLT	VFD
CT-1	3455C	YARD	1	817.5 [51.6]	11.3 [3.4]	80 [26.7]	97 [36]	85 [29]	1750	15 [11.2]	3-480	YES
CT-2	3455C	YARD	1	817.5 [51.6]	11.3 [3.4]	80 [26.7]	97 [36]	85 [29]	1750	15 [11.2]	3-480	YES
CT-3	3455C	YARD	1	817.5 [51.6]	11.3 [3.4]	80 [26.7]	97 [36]	85 [29]	1750	15 [11.2]	3-480	YES

BASIS OF DESIGN: BALTIMORE AIR COIL

EXPANSION SYSTEM SCHEDULE															
EXPANSION TANK NO.	SYSTEM	SYSTEM TEMP. RANGE °F [°C]		INITIAL PRESS. IN TANK PSIG [kPa]	MAX. OPER. PRESS. PSIG [kPa]	FILL PRESS. AT TANK PSIG [kPa]	RELIEF VALVE PSIG [kPa]	AT TANK PSIG [kPa]	MIN. VOLUME GAL [L]	MIN. ACCEPT VOLUME GAL [L]	AIR SEP. NO.	AIR SEPARATOR			PIPE SIZE TO TANK IN [mm]
		MIN.	MAX.									SIZE IN [mm]	FLOW GPM [L/S]	MAX. P.D. FT. (M)	BUILT-IN STRAINER REQUIRED
ET1	CHW	40 [4.4]	90 [32.2]	38 [262]	75 [517]	83 [572]	83 [572]	56.8 [216]	23.4 [60.6]	AS-1	10 [254]	1194 [75.3]	3 [0.91]	YES	2 [51]
ET2	HHW	75 [24]	155 [68.3]	38 [262]	125 [862]	138 [951]	138 [951]	80 [303]	52 [197]	AS-2	8 [203]	450 [28.4]	2 [0.61]	YES	1-1/2 [38]

BASIS OF DESIGN: CHW - BELL & GOSSETT B-300 BLADDER
HHW - BELL & GOSSETT B-300 BLADDER

COMPUTER ROOM AIR CONDITIONING UNIT SCHEDULE																			
PLAN MARK	MODEL NUMBER	CHILLED WATER COOLING CAPACITY						HOT WATER REHEAT			HUMIDIFIER (INFRARED)	INDOOR UNIT				LOCATION			
		SENSIBLE MBH [kW]	TOTAL MBH [kW]	EAT °F [°C]		WATER TEMP °F [°C]		GPM [L/S]	Δ P FT [M]	MBH [kW]		GPM [L/S]	Δ P PSI [KPA]	CAPACITY LB/HR KG/HR	AIRFLOW DATA		ELECTRICAL DATA		
				DB	WB	ENT.	LVG.								SUPPLY CFM [L/S]		E.S.P. IN. W.G. [mm]	FAN HP [kW]	VOLT/ PHASE
CRAC4-1	CW026	75.0 [21.9]	75.0 [21.9]	72.0 [22.2]	60.0 [15.5]	42.0 [5.6]	56.0 [13.3]	16.5 [1.25]	10.2 [3.1]	47.0 [13.7]	5.0 [3.1]	3.5 [5.0]	11.0 [247.8]	5250 [247.8]	0.5 [12.7]	2.0 [1.5]	460/3	4A-142	
CRAC4-2	CW026	75.0 [21.9]	75.0 [21.9]	72.0 [22.2]	60.0 [15.5]	42.0 [5.6]	56.0 [13.3]	16.5 [1.25]	10.2 [3.1]	47.0 [13.7]	5.0 [3.1]	3.5 [5.0]	11.0 [247.8]	5250 [247.8]	0.5 [12.7]	2.0 [1.5]	460/3	4A-142	
CRAC1-SA	MM-40C	28.7 [8.4]	38.8 [11.4]	75.0 [23.9]	62.7 [17.1]	42.0 [5.6]	56.0 [13.3]	7.9 [0.6]	15.8 [4.8]	-	-	-	-	1250 [590]	0.5 [12.7]	0.5 [0.4]	208/1	1B-151	
CRAC1-SB	MM-40C	28.7 [8.4]	38.8 [11.4]	75.0 [23.9]	62.7 [17.1]	42.0 [5.6]	56.0 [13.3]	7.9 [0.6]	15.8 [4.8]	-	-	-	-	1250 [590]	0.5 [12.7]	0.5 [0.4]	208/1	1B-151	

- PROVIDE CRAC4-1 AND CRAC4-2 ARE FLOOR MOUNTED.
- PROVIDE BAGNET INTERFACE BETWEEN THE CRAC UNITS AND THE CENTRAL DDC SYSTEM.
- PROVIDE DIGITAL CONTROLS WITH COMPUTER ROOM UNIT.
- CRAC1-SA AND CRAC1-SB ARE ABOVE-CEILING UNITS.
- PROVIDE HUMIDIFIERS FOR CRAC4-1 AND CRAC4-2.
- BASIS OF DESIGN: LIEBERT

FAN SCHEDULE														
FAN NO.	LOCATION	CFM [L/S]	S.P. IN (mm)	FAN TYPE	ARRANGEMENT, ROTATION & DISCHARGE	WHEEL		MAX. RPM	DRIVE	MAX. BHP [KW]	MOTOR		VARIABLE CONTROL TYPE	MODEL
						TYPE	MIN. DIA. IN (mm)				NOM. HP [KW]	PHASE VOLT.		
1-SF1	AHU1-1	27,460 [12,960]	6.4 [163]	DWDI	TOP VERTICAL	AF	30 [762]	1550	BELT	35.8 [26.7]	40 [29.8]	3/480	VSMC	-
1-SF2	AHU1-2	16,760 [7,910]	6.3 [160]	DWDI	TOP VERTICAL	AF	28 [711]	1390	BELT	22.9 [17.1]	30 [22.4]	3/480	VSMC	-
1-SF3	AHU1-3	9,770 [4,611]	6 [158]	DWDI	TOP VERTICAL	AF	18-1/4 [464]	2561	BELT	14.6 [10.9]	20 [14.9]	3/480	VSMC	-
1-SF4	AHU1-4	4,700 [2,218]	5.8 [142]	DWDI	TOP VERTICAL	AF	12 [305]	3480	BELT	6.9 [5.1]	10 [7.46]	3/480	VSMC	-
1-SF5	AHU1-5	9850 [4649]	6.6 [168]	DWDI	TOP VERTICAL	AF	25 [635]	1587	BELT	19.2 [14.3]	25 [18.6]	3/480	VSMC	-
1-SF6	AHU1-6	4,700 [2,218]	7.0 [178]	DWDI	TOP VERTICAL	AF	12 [305]	3692	BELT	8.1 [6.0]	10 [7.46]	3/480	VSMC	-
1-SF7	AHU1-7	6,155 [2,904]	5.4 [138]	DWDI	TOP VERTICAL	AF	15 [381]	2521	BELT	8.9 [6.63]	15 [11.2]	3/480	VSMC	-
2-SF1	AHU2-1	14,970 [7065]	7.0 [178]	DWDI	TOP VERTICAL	AF	25 [635]	1648	BELT	21.8 [16.3]	25 [18.6]	3/480	VSMC	-
2-SF2	AHU2-2	6,110 [2,884]	7.2 [183]	DWDI	TOP VERTICAL	AF	18 [457]	2419	BELT	10.5 [7.8]	15 [11.2]	3/480	VSMC	-
2-SF3	AHU2-3	8,140 [3,842]	7.3 [185]	DWDI	TOP VERTICAL	AF	18 [457]	2591	BELT	14.4 [10.7]	20 [14.9]	3/480	VSMC	-
2-SF4	AHU2-4	10,590 [4,998]	7.0 [178]	DWDI	BOTTOM VERTICAL	AF	20 [508]	2157	BELT	15.5 [11.6]	20 [14.9]	3/480	VSMC	-
2-SF5	AHU2-5	16930 [7,990]	7.7 [196]	DWDI	BOTTOM VERTICAL	AF	25 [635]	1747	BELT	26.7 [20.0]	30 [22.4]	3/480	VSMC	-
2-SF6	AHU2-6	9,970 [4,705]	7.4 [188]	DWDI	BOTTOM VERTICAL	AF	20 [508]	2203	BELT	16.3 [12.2]	20 [14.9]	3/480	VSMC	-
3-SF1	AHU3-1	16,990 [8,018]	7.1 [191]	DWDI	TOP VERTICAL	AF	25 [635]	1762	BELT	27.9 [20.8]	30 [22.4]	3/480	VSMC	-
3-SF2	AHU3-2	11,600 [5475]	7.5 [191]	DWDI	TOP VERTICAL	AF	22 [559]	1930	BELT	19.6 [14.6]	25 [18.6]	3/480	VSMC	-
4-SF1	AHU4-1	14420 [6,805]	6.8 [173]	DWDI	BOTTOM VERTICAL	AF	25 [635]	1616	BELT	20.4 [15.2]	25 [18.6]	3/480	VSMC	-
4-SF2	AHU4-2	13,100 [6,183]	7.1 [180]	DWDI	BOTTOM VERTICAL	AF	22-1/4 [565]	2079	BELT	19.8 [14.8]	25 [18.6]	3/480	VSMC	-
EF1-1	AHU1-1	20,060 [9,467]	2.9 [74]	CF	VANE AXIAL	VA	36 [914]	1512	BELT	14.0 [10.4]	20 [14.9]	3/480	VSMC	VAB-36
EF1-2	AHU1-2	10,840 [5,082]	2.5 [64]	CF	VANE AXIAL	VA	30 [762]	1572	BELT	7.3 [5.4]	10 [7.4]	3/480	VSMC	VAB-30
EF1-3	AHU1-3	4,570 [2,157]	2.6 [66]	CF	VANE AXIAL	VA	20 [508]	2232	BELT	3.7 [2.8]	5 [3.7]	3/480	VSMC	VAB-20
EF1-4	AHU1-4	710 [335]	2.2 [56]	CF	INLINE AXIAL	BI	9 [229]	1725	BELT	0.67 [0.5]	1 [0.75]	3/480	VSMC	TCB-2
EF1-5	AHU1-5	2,940 [1,388]	2.3 [58]	CF	VANE AXIAL	VA	18 [457]	2062	BELT	2.6 [1.9]	5 [3.7]	3/480	VSMC	VAB-18
EF1-6	AHU1-6	2,920 [1,378]	2.2 [56]	CF	INLINE AXIAL	BI	18 [457]	1518	BELT	1.8 [1.3]	3 [2.2]	3/480	VSMC	TCB-2
EF1-7	AHU1-7	860 [406]	1.25 [32]	CF	INLINE	BI	11 [279]	2202	BELT	0.56 [0.4]	3/4 [0.56]	3/480	VSMC	BSQ-90
EF2-1	AHU2-1	8,780 [4,144]	3.3 [84]	CF	VANE AXIAL	VA	24 [610]	2366	BELT	9.1 [6.8]	15 [11.2]	3/480	VSMC	VAB-24
EF2-2	AHU2-2	1,820 [859]	3.2 [81]	CF	INLINE AXIAL	BI	12 [305]	3162	BELT	2.6 [1.9]	3 [2.2]	3/480	VSMC	TCB-2
EF2-3	AHU2-3	5,150 [2,431]	3.9 [99]	CF	VANE AXIAL	VA	18 [457]	3140	BELT	7.1 [5.3]	10 [7.5]	3/480	VSMC	VAB-18
EF2-4	AHU2-4	10,130 [4,781]	3.3 [84]	CF	VANE AXIAL	VA	24 [610]	2622	BELT	11.82 [8.8]	15 [11.2]	3/480	VSMC	VAB-24
EF2-5	AHU2-5	16,850 [5,506]	4.2 [107]	CF	VANE AXIAL	VA	30 [762]	2052	BELT	12.8 [9.4]	25 [18.6]	3/480	VSMC	VAB-30
EF2-6	AHU2-6	1,680 [793]	3.6 [91]	CF	INLINE AXIAL	BI	12 [305]	3114	BELT	2.2 [1.6]	3 [2.2]	3/480	VSMC	TCB-2
EF3-1	AHU3-1	6,430 [3,035]	4.1 [104]	CF	VANE AXIAL	VA	20 [508]	2973	BELT	10.5 [7.8]	15 [11.2]	3/480	VSMC	VAB-20
EF3-2	AHU3-2	6,100 [2,879]	4.1 [104]	CF	VANE AXIAL	VA	20 [508]	2887	BELT	9.7 [7.2]	15 [11.2]	3/480	VSMC	VAB-20
EF4-1	AHU4-1	4,450 [2,100]	3.5 [89]	CF	VANE AXIAL	VA	18 [457]	2777	BELT	4.7 [3.5]	7.5 [5.6]	3/480	VSMC	VAB-18
EF4-2	AHU4-2	7,010 [3,308]	3.5 [89]	CF	VANE AXIAL	VA	20 [508]	3039	BELT	8.39 [6.4]	15 [11.2]	3/480	VSMC	VAB-20
EF1-CEP	CHILLER PLANT	80 [38]	0.5 [3]	CF	CEILING CABINET	FC	6 [152]	1100	BELT	7/30 [-1.73]	7/30 [-1.73]	1/120	NONE	SP-B
IEF1-1	4TH FLR ROOF	310 [146]	3.3 [83]	CF	UTILITY SET UPBLAST	BI	8 [203]	3086	BELT	0.31 [0.23]	3/4 [0.6]	3/480	VSMC	5-IPA
IEF2-6	4TH FLR ROOF	450 [212]	3.1 [79]	CF	UTILITY SET UPBLAST	BI	8 [203]	3377	BELT	0.46 [0.34]	3/4 [0.6]	3/480	VSMC	5-IPA
DHE2-1	CLINIC PENTHOUSE	440 [208]	1.5 [38]	CF	INLINE BOX	BI	8 [203]	2162	BELT	0.4 [0.3]	3/4 [0.6]	3/480	VSMC	BSQ-80
LEF1-1	4TH FLR ROOF	480 [227]	2.2 [56]	CF	UTILITY SET UPBLAST	BI	8 [203]	3153	BELT	0.4 [0.3]	3/4 [0.6]	3/480	VSMC	5-IPA
*EOEF2-1	4TH FLR ROOF	325 [153]	2.5 [64]	CF	UTILITY SET UPBLAST	BI	8 [203]	2818	BELT	0.26 [0.2]	3/4 [0.6]	3/480	VSMC	5-IPA
GSF2-1	NONE	-	-	-	-	-	-	-	-	-	-	-	-	-
GEF2-1	NONE	-	-	-	-	-	-	-	-	-	-	-	-	-
*EIF1-A	MED GAS STORAGE	200	0.8 [20]	CF	INLINE BOX	BI	7 [178]	1750	BELT	0.17 [0.13]	1/3 [0.25]	1/120	NONE	BSQ-70
*EIF1-B	FLAM GAS STORAGE	200	0.8 [20]	CF	INLINE BOX	BI	7 [178]	1750	BELT	0.17 [0.13]	1/3 [0.25]	1/120	NONE	BSQ-70
EPEF-1	CHILLER REF PURGE	2700	1.5 [38]	CF	INLINE BOX	BI	16 [406]	1750	BELT	1.35 [1.05]	2 [1.5]	3/480	NONE	BSQ-160