CHILLER

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	CAPACITY (TONS)	POWER INPUT (kW)	FULL LOAD (kW/TON)	IPLV EFF. (kW/TON)	IPLV EFF. (EER)	REFRIG.	MECH. RM. EXH. (CFM)	EVAP. FLOW (USGPM)	EVAP. FLOW (L/S)	ENT. CHILL TEMP. (°F)	LEV. CHILL TEMP. (°F)	CHILL P.D. (FT.)	No. OF PASS	APPB T. (°F)	FOULING FACTOR	COND. W. FLOW (USGPM)	ENT. COND. W. TEMP. (°F)	LVG. COND. W. TEMP. (°F)	COND. W. P.D. (FT.)	No. OF PASS	FOULING FACTOR	POWER SUPPLY	MOTOR SIZE (kW)	MOTOR FLA	MCA	MOCP	OPERATING WT. (LBS)	REMARKS
CH-1	YORK	YVAM3M1E4E0A6A4X	WATER COOLED SCREW CHILLER	COMFORT	240	59.2	0.247	0.405	-	R-134A	3000	574.4	54	44	214	2	-	0.0001	720	85	94.5	27.4	2	0.00075	460/3/60	--	---	239	---	13,11	C/U UNIT MOUNT VIBI, REFRIGERANT MONITORING SYSTEM, LOOSE 575V UNITRANSFORMER, SUMP1 ISOLATOR 4 THICK NOISE PAD, LOW SOUND KIT(LEVEL 1 REDUCTION) 4 AUTOMATIC HOT GAS BYPASS TO 10%

AIR HANDLING UNIT

SYMBOL	MANUFACTURER	MODEL	DUTY	CHILLED WATER COIL SECTION: AIR FLOW (CFM)	EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TOTAL CAP. (MBH)	SEN. CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	FLUID	WPD (FT.)	APD (IN.)	FACE AREA (SQFT)	FABR VEL. (FPM)	SIZE (HxLxD) (FT.)	ROWS	FPI	HEATING COIL SECTION: AIR FLOW (CFM)	EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TOTAL CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	FLUID	WPD (FT.)	APD (IN.)	FACE AREA (SQFT)	FACE VEL. (FPM)	SIZE (FT.)	ROWS	FPI	SUPPLY FAN SECTION: E.S.P.(IN.)	REMARKS
AHU-1	JOHNSON CONTROL	SOLUTION INDOOR AIR HANDLER 64V-150	FRESH AIR	3,345 (1,600 MAX)	55/7.6	55.2/55.4	47.3	29.6.1	45	55	53.5	WATER	2.1	0.32	2.12	375	3.3x8.4	3	12	3,345 (1,600 MAX)	-10/0	50/4	1,125.5	155	135	146.2	40% E. GLYCOL	6.8	0.75	2.51	36.4	7.7x 5.4	2	11	3.5" / 2.0"	FAN TO C/U ABB VFD W/ BYPASS. CLG COIL TO HAVE FACE AND 29% BYPASS DAMPER. INLET MOTORIZED DAMPER. FREESTAT TO SHUT DOWN FAN AND INLET MOTORIZED DAMPER. MERV 13 FILTERS AND MERV 8 PREFILTERS. WITH MAGNAHELIC GAUGES TO MONITOR DIFFERENTIAL PRESSURE OF AIR FILTERS. UNIT SHALL HAVE SPARE CAPACITY TO SUPPLY 1,600CFM AIRFLOW.

FAN COIL UNIT (IN-SUITE WITH INTEGRATED HRV)

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	AIR FLOW	E.S.P. (IN.)	HP	V/Hz/Ø	CHILLED WATER COIL PERFORMANCE: SUPPLY AIR (ERV) (CFM)	SUPPLY AIR (COIL) (CFM)	ERV INLET AIR TEMP. (°F)	ERV SUPPLY AIR TEMP. (°F)	LAT (°F)	TOTAL CAP. (MBH)	SEN. CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	HEATING WATER COIL PERFORMANCE: SUPPLY AIR (ERV) (CFM)	SUPPLY AIR (COIL) (CFM)	ERV INLET AIR TEMP. (°F)	ERV SUPPLY AIR TEMP. (°F)	LAT (°F)	TOTAL CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	REMARKS
FCU-17	UNILUX	DLE4060-ERV/DD	STACKED VERTICAL 2 PIPE	N-SUITE	450	0.3	1/3	115-1/60	1200	350	69.6	82.2	53.7	9.6	7.9	45	54.5	2	12	1200	350	-13	39.4	108	213	140	115	2	12	C/U ECM MOTOR (3 KW HEATER AND RISERS) RISER SIZE SHALL MATCH RISER DIAGRAM. 3 WAY CONTROL VALVE FOR TOP 4 BOTTOM OF STACK. 2 WAY CONTROL VALVE FOR REMAINING UNITS. THERMAL METERS. PROGRAMMABLE HEATING/COOLING THERMOSTAT (HONEYWELL TB7000U4000 OR EQUAL). RETURN AIR LOUVRE. FCU TO BE PLACED ON RAISED LEGS SUCH THAT THE TOP OF THE BOTTOM SUPPLY AIR GRILLE ARE TO BE 300mm BELOW CEILING.
FCU-18	UNILUX	DLE6060-ERV/DD	STACKED VERTICAL 2 PIPE	N-SUITE	600	0.3	1/3	115-1/60	1200	500	69.6	82.2	54.2	13.9	11	45	59.8	2.5	2.6	1200	500	-13	39.4	122	271	140	118	2.5	2.6	FCU-17 : 17 TO BE 6W PERV 8 FILTER. FCU - 18 : 18 TO BE 6W PERV 8 FILTER. FCU - 37, 37 TO BE 6W PERV 8 FILTER.
FCU-37	UNILUX	DLE6060-ERV/DD	STACKED VERTICAL 2 PIPE	N-SUITE	600	0.3	1/3	115-1/60	1200	500	69.6	82.2	54.6	16.4	15.2	45	59.3	3.3	5.2	1200	500	-13	39.4	124	295.4	140	118	3.3	5.2							

FAN COIL UNIT (IN SUITE WITHOUT ERV)

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	AIR FLOW	ESP (IN.)	HP	V/Hz/Ø	CHILLED WATER COIL PERFORMANCE: EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TOTAL CAP. (MBH)	SEN. CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	HEATING WATER COIL PERFORMANCE: EAT (DB) (°F)	LAT (DB) (°F)	TOTAL CAP. (MBH)	GLYCOL	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	WEIGHTS (LBS)	REMARKS
TFC-17	UNILUX	DLE4060	2-PIPE VERTICAL FAN COIL	N-SUITE	450	0.2	1/6	115/1/60	78/67	55.1/54.5	14.5	10	45	55	2.6	2.5	70	100	26.8	0%	140	120	2.6	2.5		C/U ECM MOTOR, (3KW HEATER AND RISERS) RISER SIZE SHALL MATCH RISER DIAGRAM. 3 WAY CONTROL VALVE. THERMAL METERS. PROGRAMMABLE HEATING/COOLING THERMOSTAT (HONEYWELL TB7000U4000 OR EQUAL). RETURN AIR LOUVRE. PERV 8 FILTER. FCU TO BE PLACED ON RAISED LEGS SUCH THAT THE TOP OF THE BOTTOM SUPPLY AIR GRILLE ARE TO BE 300mm BELOW CEILING.
TFC-18T	UNILUX	DLE6060	2-PIPE VERTICAL FAN COIL	N-SUITE	530	0.2	1/6	115/1/60	78/67	55.2/53.8	17.2	12.6	45	55	3.8	6.3	70	100	32.4	0%	140	120	3.8	6.3		
TFC-27	UNILUX	DLE6060	2-PIPE VERTICAL FAN COIL	N-SUITE	690	0.2	1/3	115/1/60	78/67	54.5/53.1	26.1	16.8	45	55	5.5	1	70	100	42.5	0%	140	120	5.5	1		

FAN COIL UNIT (AMENITY AND COMMON AREAS)

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	AIR FLOW (CFM)	ESP (IN.)	HP	V/Hz/Ø	CHILLED WATER COIL PERFORMANCE: EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TOTAL CAP. (MBH)	SEN. CAP. (MBH)	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	HEATING WATER COIL PERFORMANCE: EAT (DB) (°F)	LAT (DB) (°F)	TOTAL CAP. (MBH)	GLYCOL	EWT (°F)	LWT (°F)	FLOW (USGPM)	WPD (FT.)	BUILT-IN DX COIL SECTION: EAT (DB/WB) (°F)	LAT (DB/WB) (°F)	TOTAL CAP. (MBH)	SEN. CAP. (MBH)	REFRIG. TYPE	COIL FV (FPM)	SUCTION CONN. (IN.)	LIQUID CONN. (IN.)	HORIZONTAL DISCHARGE CONDENSER: SYMBOL	MODEL	V/Hz/Ø	MCA	FUSE SIZE	WEIGHT (LBS)	REMARKS
VFCU-15T	YORK	FCC-08	2-PIPE VERTICAL FAN COIL	AMENITY 4 LOBBY	675	0.3"	1/3	115/1/60	80/67	55.2/54.8	20.2	14.5	45	55	4.1	7	70	118.8	33.3	-	140	120.5	4.1	6.3	80/67	55.8/57.4	20.5	14.5	R-410	-	5/8"	5/8"	CU-15T	TCH0185-4153	208/1/60	1.8	20	100	C/U ECM MOTOR 3 WAY CONTROL VALVE THERMAL METERS PROGRAMMABLE MULTI-STAGE THERMOSTAT (JOHNSON CONTROLS T6000TSP-4 OR EQUAL) RETURN AIR LOUVRE PERV 8 FILTER. ALSO C/U SPECIFIED DX COOLING COIL (C/U INSTALLED WITH FCU WITH REFRIGERANT PIPES CONNECTED TO MATCHING YORK HORIZONTAL DISCHARGE CONDENSER (CU MODEL TCH0 SERIES WARM REPLACEMENT.
VFCU-17T	YORK	FCC-10	2-PIPE VERTICAL FAN COIL	AMENITY 4 LOBBY	850	0.3"	1/3	115/1/60	80/67	60.6-56.2	24	18.3	45	55	4.8	1.3	70	117.3	43.7	-	140	120	4.8	1.5	80/67	55.8-57.4	25.5	19	R-410	-	5/8"	5/8"	CU-17T	TCH0245-4153	208/1/60	1.7.4	30	120	
VFCU-23T	YORK	FCC-12	2-PIPE VERTICAL FAN COIL	AMENITY 4 LOBBY	1,056	0.3"	1/3	115/1/60	80/67	60.3-56.2	29.85	22.4	45	55	6	3.3	70	115.8	53.6	-	140	122	6	2.4	80/67	60.3-56.2	29.5	22.4	R-410	-	5/8"	5/8"	CU-23T	TCH0305-4153	208/1/60	1.7.3	30	150	
VFCU-37	YORK	FCC-16	2-PIPE VERTICAL FAN COIL	AMENITY 4 LOBBY	1,206	0.3"	(2) 1/3	115/1/60	80/67	58.6-56.6	35.1	28.6	45	55	8	3.6	70	108.1	66.5	-	140	123	8	2.8	80/67	58.1-55.9	42	29.4	R-410	-	5/8"	5/8"	CU-37	TCH0365-4153	208/1/60	1.7.3	30	220	
VFCU-57T(AA)	YORK	AH-20	2-PIPE HORIZONTAL FAN COIL	GARBAGE/RECYCLING RM.	2,000	0.6"	1.5	208/1/60	80/67	60.5-1.5	63.6	46.5	45	55	12.7	3.5	40	118	129.7	-	140	122.4	12.7	2.5	80/67	60.6-56	60.5	48.2	410A	41	1-1/8	5-1/8	CU-57	TCH1054-4153	208/1/60	21	35	243	

SPLIT HEAT PUMP SYSTEM

SYMBOL	MAKE	MODEL	DESCRIPTION	AIR FLOW (CFM)	ESP	TOT. HTG. CAP. (MBH)	TOT. CLG. CAP. (MBH)	SEN. CLG. CAP. (MBH)	MCA	MOCP	V/Hz/Ø	WT. (LBS)	REMARKS
HPP-37	YORK	YSAS4D	3-SEER LATITUDE SPLIT HEAT PUMP SYSTEM	1,200	0.6	22.4	34.5	26.6	37	15	208/1/60	250	C/U RESPECTIVE OUTDOOR CONDENSING UNIT (YCU-37) YORK # EHD036A1S0N. 15.8 MCA. 30 MOCP. 208V/1Ø/60Hz. PROGRAMMABLE HEATING/COOLING THERMOSTAT 4 LOW AMBIENT KIT

INSTANTANEOUS INDIRECT WATER HEATER

SYMBOL	MAKE	MODEL	DESCRIPTION	TANK VOLUME (US GALL)	HEAT TRANSFER AREA (SQ FT.)	UTILITY CONNECTION	BOILER CONNECTION	DIMENSIONS	REMARKS
T-1 to T-5	TURBOMAX	T-189	INSTANTANEOUS INDIRECT DOMESTIC HOT WATER HEATER	119	58.9/2000	2"	2"	29"(D)x34"(H)	-

COOLING TOWER SCHEDULE

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	NOM. TONS	GPM	P.D. FT.	ENTER. DB °F	ENTER. WB °F	LVG. DB °F	LVG. WB °F	FAN	HP/FAN	HTR.	WEIGHT (LBS)	SIZE	REMARKS
CT-1	BALTIMORE AIRCOIL	XESXE-0918-D SK	OPEN COOLING TOWER SINGLE CELL	CONDENSER WATER	240	720	-	95		85	68.2/30	10	NIL		11,250	18'x8'L'x21'	C/U ABB VFD WITH BASKET COMPATIBLE WITH SIEMENS CONTROLS ACCESS LADDER 4 HANDRAILS, CONTROL POWER PANEL, 23 INCHES DEFLECTION ISOLATOR, WITH EXTRA DOUBLE-LAYER PADS BELOW (NBN)

BOILER SCHEDULE

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	INPUT (MBH)	OUTPUT (MBH)	GPM	P.D. FT.	ENTER. DB °F	LVG. DB °F	LIGHT (LBS)	VENT FLUE	INTAKE FLUE	SIZE	GAS	WATER CONNECTION	ELECTRICAL VOLTAGE	ELECTRICAL AMPERE	MOCP	CIR. HP	CIR. VOLTAGE	REMARKS
B-12	CAPLE	DFX-3000	88% EFF. COPPERTUBE BOILER	COMBINED HTG.	3,000	2,640	16.7.5	3.0	31.5	130	160	1,550	10"x	12"x	30"x32"x80"	1-1/2"x	3"x	230/1 VAC	16		3	3 PHASE	C/U FLOW SWITCH, CIRCULATOR, LOW WATER LEVEL CUT OUT, TEMPERATURE 4 PRESSURE GAUGES, PRESSURE RELIEF VALVES, AUX CONTACT FOR BUILDING AUTOMATION SYSTEM, OUTDOOR SENSOR AND BOILER CONTROL, H.O.A. STARTER FOR BOILER 4 CIRCULATOR.
B-3	CAPLE	DFX-1200	88% EFF. COPPERTUBE BOILER	COMBINED HTG.	1,200	1,140	11.5	3.0	25.3	130	160	1,300	8"x	12"x	30"x32"x77"	1-1/4"x	3"x	120 VAC	11		1.5	3 PHASE	

PUMP SCHEDULE

ALL MOTORS SHALL BE HI-EFF, TYPE, ABB VFD WITH BACNET COMPATIBLE WITH SIEMENS CONTROLS.)

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	GPM	FT HEAD	RPM	HP	V/Hz/Ø	WEIGHT	REMARKS
DCUBP-1 DCUBP-2	ARMSTRONG	SERIES 4700 BOOSTER SYSTEM 6625	DOMESTIC BOOSTER DUPLEX PACKAGE SYSTEM	DOMESTIC COLD WATER BOOSTER	115	147	3,600	10	575/3/60	-	C/U VFD, CONTROL PANEL
CUP-1,2	ARMSTRONG	4300 DM-4300-DT	VERTICAL IN-LINE	CONDENSER WATER	720	120	1,750	30	575/3/60	-	C/U SUCTION GUIDE, TRIPLE DUTY VALVE 4 H.O.A. STARTER
HUP-1,2	ARMSTRONG	4300 DM-10-075-2	VERTICAL IN-LINE	HEATING WATER	450	75	1,750	15	575/3/60	-	C/U SUCTION GUIDE, TRIPLE DUTY VALVE 4 ONE VFD PER PUMP
SUP-1,2	ARMSTRONG	4300 DM-10-075-2	VERTICAL IN-LINE	SYSTEM WATER	575	40	1,750	15	575/3/60	-	C/U SUCTION GUIDE, TRIPLE DUTY VALVE, ONE VFD PER PUMP. 50mm INTERTIA BLOCK, (2) SPRINGS, EXPANSION JOINTS PER ACOUSTIC ENGINEER'S REPORT.
DHWRP-1, 2	ARMSTRONG	1214-1.50-0.75	IN-LINE CIRCULATOR	DOMESTIC HOT WATER	30	30	1,800	0.5	575 / 3 / 60	-	C/U ALL BRONZE CONSTRUCTION 4 MAGNETIC STARTER
GP-1	ARMSTRONG	1214-3.0-3 HP	IN-LINE CIRCULATOR	AHU-1 EGLYCOL	185	35	1,800	3	575/3/60	-	C/U H.O.A. STARTER

PLATE HEAT EXCHANGERS

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	HEAT TRANSFER (MBH)	SIDE 1: ENTER	SIDE 1: LVG	SIDE 1: FLOW (GPM)	SIDE 1: P.D. (psi)	SIDE 1: FLUID	SIDE 2: ENTER	SIDE 2: LVG	SIDE 2: FLOW (GPM)	SIDE 2: P.D. (psi)	SIDE 2: FLUID	WEIGHT (LBS)	REMARKS
HX-1	ARMSTRONG	S-1135X-150-68	PLATE TYPE HEAT EXCHANGER	AHU-1 HTG.	1,635.6	140	140	818	3.21	H2O	134.5	119	182.7	3.21	40% ETHYLENE GLYCOL	1,315	c/u 316L44 PLATES, NBR GASKET, 150 PSIG PRESSURE RATING.

HOT WATER EQUIPMENT SCHEDULE

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	HEAT TRANSFER (MBH)	HOT WATER COIL: ENTER	HOT WATER COIL: LVG	HOT WATER COIL: FLOW (GPM)	CPH	S.P.	H.P.	V/Hz/Ø	WEIGHT (LBS)	REMARKS
FPH-A	ENG. AIR	CUH3	HI-FF HEATER (CEILING MOUNTED)	HEATING	14	140	140	14	3.00	-	1/25	120/1/60	120	c/u THERMOSTAT
FPH-B	ENG. AIR	CUH3	HI-FF HEATER (CEILING MOUNTED)	HEATING	14	140	140	14	3.00	-	1/25	120/1/60	120	c/u THERMOSTAT
UH-A	ENG. AIR	H4	HI-UNIT HEATER	HEATING	45.1	140	140	4.1	12.00	-	1/12	115/1/60	12	c/u THERMOSTAT
UH-B	ENG. AIR	H2	UNIT HEATER	HEATING	37.9	140	140	3.5	6.00	-	1/50	115/1/60	130	c/u THERMOSTAT
FT-A	ENG. AIR	UP	FIN TUBE	FLOOR HEATING	7.2	140	140	0.3	-	-	-	-	-	4'-0 LENGTH 1-1/4" DIA, 150 PSI WORKING PRESSURE

DEHUMIDIFIER

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	CFM	ESP	TOT. HTG. CAP. (MBH)	TOT. CLG. CAP. (MBH)	MCA (A)	V/Hz/Ø	MOCP	WEIGHT (LB)	REMARKS
DH-A	SEMESCO	NE-0202-VH-11-AN-NN-B-D1UD9-4-AN3	DEHUMIDIFIER	U-HALPOOL	600	0.5"	15	24.5	5	575/3/60	15	420	C/U UNIT MOUNTED HOT WATER COIL (5 MBH @ 140°F EWT. OUTDOOR CONDENSING UNIT SEMESCO # NC-0-N-32 (18.1 MCA, 25 MOCP, 575V/3Ø/60Hz) PROGRAMMABLE HEATING/COOLING THERMOSTAT 4 REMOTE OPERATION PANEL.

SPLIT AC SYSTEM - COOLING ONLY

SYMBOL	MAKE	MODEL	DESCRIPTION	AIR FLOW (CFM)	ESP	TOT. CLG. CAP. (MBH)	SEN. CLG. CAP. (MBH)	MCA	MOCP	V/Hz/Ø	WT. (LBS)	REMARKS
SAC-17	CARRIER	40PVQ012----3	3-SEER SPLIT AC SYSTEM - COOLING ONLY	439	--	12.48	9.11	--	--	208/1/60	79	C/U RESPECTIVE OUTDOOR CONDENSING UNIT (SCU-17) CARRIER MODEL 38PVQ012----3. 9 MCA. 15 MOCP. 208V/1Ø/60Hz. CONDENSATE PUMP. PROGRAMMABLE COOLING THERMOSTAT 4 ULTRA LOW AMBIENT KIT

FAN SCHEDULE

NOTE:
- ALL MOTOR 1 HP AND ABOVE SHALL BE HIGH-EFFICIENCY TYPE
- VFD TO BE ABB C/U BACNET COMPATIBLE WITH SIEMENS CONTROLS
- ALL FANS 1/2 HP AND LARGER TO BE C/U H.O.A. STARTER

SYMBOL	MAKE	MODEL	DESCRIPTION	DUTY	CFM	ESP (")	RPM	HP	V/Hz/Ø	FAN DIMENSIONS	WALL OPENING	WEIGHT	REMARKS
EF-A	ZONEX	DSF150	IN-LINE	DRYER EXHAUST	140	0.4	1750	1/2 U	120/1/60			5	C/U LINT TRAP, RELAY TO INTERLOCK W/ DRYER.
EF-B	ZONEX	GF130	IN-LINE	WASHROOM EXHAUST	100	0.25	1,100	0.32	120/1/60			14	C/U B.O.D., EXTRA LARGE HOUSING 4 SLIDING DAMPER, SOUND DATA NOT MORE THAN 1 SONE 4 ENERGY STAR COMPLIANT.
EF-1	CARNES	LYDK10K	WALL PROPELLER	P-2 RESI. STORAGE ROOM EXHAUST	3,00	0.125	1,113	1/6	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-2	CARNES	LYDK15K	WALL PROPELLER	P-2 RESI. STORAGE ROOM 1 EXHAUST	1,200	0.125	867	1/6	120/1/60			50	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-3	CARNES	LYDK20K	WALL PROPELLER	P-2 RESI. STORAGE ROOM 2 EXHAUST	1,600	0.125	1,140	1/6	120/1/60			42	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-4	CARNES	VBK10L	IN-LINE	P-2 RESI. STORAGE ROOM 3 EXHAUST	1,750	0.125	881	1/4	120/1/60				C/U B.O.D., ISOLATION KIT, AND SWITCH.
EF-5	CARNES	LYDK10K	WALL PROPELLER	P-2 STORAGE ROOM	3,00	0.125	1,113	1/6	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-6	CARNES	LYDK10K	WALL PROPELLER	P-2 GENERATOR ROOM EXHAUST	1,600	0.125	1,140	1/6	120/1/60			42	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-7	CARNES	LYDK10K	WALL PROPELLER	P-1 LOCKER ROOM EXHAUST	3,00	0.125	1,113	1/6	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-8	CARNES	LYDK20H	WALL PROPELLER	P-1 CONDO CCU / SECURITY ROOM EXHAUST	1,00	0.125	1,151	1/2	120/1/60			35	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-9	CARNES	LYDK10K	WALL PROPELLER	P-1 JAN ROOM EXHAUST	1,00	0.375	1,175	1/6	120/1/60			42	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-10	CARNES	VBK10K	IN-LINE	P-1 CHILLER ROOM EXHAUST	3,000	0.375	1,155	3/4	575/3/60			162	C/U B.O.D., ISOLATION KIT, THERMOSTAT 4 H.O.A. STARTER(2- SPEED MOTOR (1 ST SPEED TO 1-STAT, FULL SPEED TO REFRIGE SENSOR)
EF-11	CARNES	LUBK24S	WALL PROPELLER	P-1 TRANSFORMER ROOM EXHAUST	4,500	0.375	1,164	1	575/3/60			81	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-12	CARNES	LYDK15K	WALL PROPELLER	P-1 RESI. STORAGE ROOM EXHAUST	1,200	0.125	867	1/6	120/1/60			50	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-13	CARNES	LYDK10K	WALL PROPELLER	P-1 BIKE STORAGE EXHAUST	1,00	0.125	1,113	1/6	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-14	CARNES	LYDK10K	WALL PROPELLER	P-1 TRIDEL CCU ROOM EXHAUST	1,00	0.125	1,113	1/6	120/1/60			35	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-15	CARNES	LYDK10K	WALL PROPELLER	P-1 MECH-SPRINK ROOM EXHAUST	1,000	0.125	1,113	1/6	120/1/60			42	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOSTAT, DAMPER GUARD 4 SPEED CONTROLLER.
EF-16	CARNES	LYDK11H	WALL PROPELLER	P-1 BIKE STORAGE EXHAUST	2,50	0.125	1,115	1/2	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-17	CARNES	LRBK34	WALL PROPELLER	P-2 PARKING EXHAUST	23,500	0.25	575	3	575/3/60			350	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, DAMPER GUARD, VFD (STEP CONTROL TYPE IS BY-PASS), AND WEATHERPROOF MOTOR & ADJUSTABLE STEP DOWN TRANSFORMER FOR MOTORIZED DAMPER. THE FAN SHALL BE ACTIVATED AND RUN AT 50% SPEED UPON RECEIPT OF CO SIGNAL FROM CO SENSOR / SYSTEM. IF THE CO SIGNAL STILL PRESENCE AFTER CONTINUOUS RUNNING FOR 10 MINUTES, THE FAN SHALL BE SWITCHED TO FULL SPEED AND RUN UNTIL THE CO SIGNAL IS OUT.
EF-18	CARNES	LRBK40	WALL PROPELLER	P-1 PARKING EXHAUST	38,500	0.25	575	5	575/3/60			480	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, DAMPER GUARD, VFD (STEP CONTROL TYPE IS BY-PASS), AND WEATHERPROOF MOTOR & ADJUSTABLE STEP DOWN TRANSFORMER FOR MOTORIZED DAMPER. THE FAN SHALL BE ACTIVATED AND RUN AT 50% SPEED UPON RECEIPT OF CO SIGNAL FROM CO SENSOR / SYSTEM. IF THE CO SIGNAL STILL PRESENCE AFTER CONTINUOUS RUNNING FOR 10 MINUTES, THE FAN SHALL BE SWITCHED TO FULL SPEED AND RUN UNTIL THE CO SIGNAL IS OUT.
EF-19	CARNES	VBK8R1	IN-LINE	G.F BIKE STORAGE ROOM EXHAUST	1,400	0.375	1,143	1/3	120/1/60			121	C/U B.O.D., ISOLATION KIT, AND SWITCH.
EF-20	CARNES	VBK8R1	IN-LINE	G.F GARBAGE ROOM EXHAUST	3,000	0.375	1,155	3/4	575/3/60			156	C/U B.O.D., ISOLATION KIT, SWITCH, SPEED CONTROLLER AND THERMOSTAT CONTROL TO OVERRIDE SWITCH WHEN ROOM TEMP DROP BELOW A SET - TEMP.
EF-21	CARNES	VBK8R1	IN-LINE	G.F LOADING EXHAUST	1,500	0.375	1,140	1/3	120/1/60			121	C/U B.O.D., ISOLATION KIT, NO SENSOR 4 H.O.A. STARTER.
EF-22	CARNES	VEDK27D	CENTRIFUGAL ROOF MOUNTED	U.F BOILER ROOM EXHAUST	1,200	0.375	1,171	1/3	120/1/60			35	C/U MOTORIZED DAMPER, THERMOSTAT, ROOF CURB 4 SPEED CONTROLLER.
EF-23	CARNES	LYDK10K	WALL PROPELLER	P-1 BIKE STORAGE EXHAUST	1,00	0.125	1,113	1/6	120/1/60			48	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, SWITCH, DAMPER GUARD 4 SPEED CONTROLLER.
EF-24	CARNES	VCDK33	IN-LINE	G.F RESIDENTIAL GARBAGE ROOM	5,00	0.3"	1,0.4	1/2	120/1/60			80	C/U B.O.D., ISOLATION KIT, SWITCH AND H.O.A. STARTER.
EF-25	CARNES	VCDK20L2	IN-LINE	G.F RESIDENTIAL MOVING ROOM	3,50	0.3"	1,257	1/6	120/1/60			65	C/U B.O.D., ISOLATION KIT, SWITCH AND H.O.A. STARTER.
EF-26	CARNES	LYDK10K	WALL PROPELLER	U.F TRIDEL CCU ROOM EXHAUST	1,00	0.125	1,113	1/6	120/1/60			35	C/U MOTORIZED DAMPER, WALL HOUSING WITH GUARD, THERMOST