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SITE INSTRUCTION

PROJECT: HAMPTON MANOR
25 BAKER HILL BLVD
STOUFFVILLE, ONTARIO

PROJECT NO: 14-016

CONTRACT: Mechanical

DATE August 14, 2018

SITE INSTRUCTION: M-23

THIS SITE INSTRUCTION IS NOT TO BE CONSTRUED AS A CHANGE IN THE CONTRACT PRICE, BUT IS ISSUED FOR CLARIFICATION ONLY. IF A CHANGE IN CONTRACT PRICE IS PERCEIVED, PROVIDE AN ITEMIZED BREAKDOWN OF ANY EXTRAS OR CREDITS WITHIN SEVEN (7) WORKING DAYS.

Purpose: Revised elevator machine room A/C (E-10) to suit elevator shop drawing.

1.0 Reference Drawing M-39 (Schedules) Issued

1.1 Revised: Elevator machine room A/C (E-10).

PREPARED BY:

Leon Bai
Mechanical Department

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FOR DISTRIBUTION TO ALL AFFECTED PARTIES.

NOTE: ALL SUITE FANS SHOULD BE HV (2001) PERFORMANCE CERTIFIED
NOTE: DRYER FANS AND CONTROL DEVICES SHOULD BE ILC APPROVED FOR DRYER BOOSTER OPERATIONS
* NOTE: MOTORS FOR SPECIFIED EQUIPMENT TO BE HIGH EFFICIENCY, TO ASHRA 90.1 STANDARDS (JULY,1992 EFFICIENCY LEVELS)

FAN SCHEDULE (PHASE I AND II)

NO.	TYPE	LOCATION	CAPACITY L/S	HP K.W.	ELECTRICAL CHARACTERISTICS	MAKE	MODEL	OPENING INCHES	REMARKS
(E-1)	EXHAUST	SUITE	100	.30	2.0AMPS	120/1/60	---	---	CONDENSATE NEUTRALIZATION KIT
(E-2)	EXHAUST	SUITE	100	.30	1100	0.5AMPS	120/1/60	CONDENSATE NEUTRALIZATION KIT	CONDENSATE NEUTRALIZATION KIT
(E-3)	EXHAUST	SUITE	100	.4	2800	1.5AMPS	120/1/60	CONDENSATE NEUTRALIZATION KIT	CONDENSATE NEUTRALIZATION KIT
(E-4)	EXHAUST	SUITE	200	.30	2350	0.5AMPS	120/1/60	CONDENSATE NEUTRALIZATION KIT	CONDENSATE NEUTRALIZATION KIT
(E-5)	EXHAUST	SUITE	100	.30	2350	0.5AMPS	120/1/60	CONDENSATE NEUTRALIZATION KIT	CONDENSATE NEUTRALIZATION KIT
(E-6)	EXHAUST	ELEVATOR MACH. RM	2000	.125	1100	1/2 HP	PENN	DOMEX DVI2B	16 X 16 C/W REVERSE ACTING LINE VOLT. THERMOSTAT
(E-7)	EXHAUST	SUB ELECTRICAL ROOM ROOF	2000	.125	1550	1/2 HP	PENN	P-16RA	22-1/2 X 22-1/2 C/W REVERSE ACTING LINE VOLT. THERMOSTAT
(E-8)	EXHAUST	LOWER STAIR PRESSURIZATION	1000	.375	880	1/2 HP	PENN	ZC-14	C/W GRAVITY B.D.D.
(E-9)	EXHAUST	ROOF	560	.50	1280	1/4 HP	PENN	DOMEX DIX08B	12 X 12 C/W ROOF CURB
(E-10)	EXHAUST	P-1 LEVEL	30,000	0.125	810	5.0 HP	PENN	BDH48	54" X 54" TO RUN CONTINUOUSLY
(E-11)	EXHAUST	P-1 LEVEL	250	.125	1050	75 WATTS	PENN	Z85	TO RUN CONTINUOUSLY
(E-12)	EXHAUST	LOCKERS	750	.125	1050	15 WATTS	PENN	Z1005	TO RUN CONTINUOUSLY
(E-13)	EXHAUST	LOCKERS	500	.125	1050	15 WATTS	PENN	Z1015	TO RUN CONTINUOUSLY
(E-14)	EXHAUST	SEC. ELECT. RM	1500	.125	1550	1 HP	PENN	Z12H	C/W REVERSE ACTING LINE VOLT. THERMOSTAT
(E-15)	EXHAUST	GARAGE RM	1500	.125	1550	1 HP	PENN	Z12H	TO RUN CONTINUOUSLY
(E-16)	EXHAUST	MAIN ELECT. ROOM	9750	0.125	390	5/4 HP	PENN	BDH36	C/W REVERSE ACTING LINE VOLT. THERMOSTAT
(E-17)	EXHAUST	AMENITY	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-18)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z1015	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-19)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-20)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-21)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-22)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-23)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-24)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50
(E-25)	EXHAUST	1ST FLOOR	350	.125	1050	15 WATTS	PENN	Z8H	C/W 1/2 INCH SPEED CONTROLLER #1-50

* NOTE: MOTORS FOR SPECIFIED EQUIPMENT TO BE HIGH EFFICIENCY, TO ASHRA 90.1 STANDARDS (JULY,1992 EFFICIENCY LEVELS)

PUMP SCHEDULE

NO.	TYPE	LOCATION	CAPACITY L/S	HP K.W.	ELECTRICAL CHARACTERISTICS	MAKE	MODEL	REMARKS
(P-1)	FIRE PUMP	SPRINKLER ROOM	350	180	3500	80 HP	ARMSTRONG	C/W CONTROL PACKAGE & TRANSFER SWITCH ILC LISTED
(P-2)	JOCKEY PUMP	SPRINKLER ROOM	5	170	3500	1.0 HP	AURORA	C/W STARTER
(P-3)	DOMESTIC BOOSTER PUMP PACKAGE	SPRINKLER ROOM	50/10/10	105	3500	3/777	BELL & GOSSETT	C/W CONTROL PACKAGE TWO PUMP SYSTEM VARIABLE SPEED DRIVE
(P-4)	FAN COIL RTV/ COOLING PUMPS	BOILER ROOM	430	80	1750	15 HP	BELL & GOSSETT	C/W 2 X 9-1/2 TWO PUMPS REQUIRED
(P-5)	DIRECT HEATING PUMP	BOILER ROOM	80	60	1750	3 HP	BELL & GOSSETT	SERIES 80 1-1/2 X 1-1/2 2 X 9-1/2
(P-6)	DOMESTIC RECIRC. PUMP	BOILER ROOM	10	20	1750	1/2 HP	BELL & GOSSETT	HD-3 ALL BRONZE C/W TIME CLOCK
(P-7)	SANITARY DUMP PUMP	PARKING LEVEL	70	40	1750	1 HP	HYDRAMATIC	SP-100AH-3 DUPLEX C/W ALTERNATOR & HIGH WATER ALARM
(P-8)	STORM DUMP PUMP	PARKING LEVEL	100	40	1750	1 HP	HYDRAMATIC	SP-100AH-3 DUPLEX C/W ALTERNATOR & HIGH WATER ALARM
(P-9)	ELEVATOR	PARKING LEVEL	50	20	1750	1/2 HP	HYDRAMATIC	SP-40 SIMPLEX C/W HIGH WATER ALARM

NOTES:
-MECHANICAL CONTRACTOR MUST ASSUME COST FOR ANY INCREASE IN ELECTRICAL POWER REQUIREMENTS DUE TO SUBSTITUTION OF EQUIPMENT SPECIFIED
-ALL PUMP/FAN STARTERS & DISCONNECTS LOCATED IN PUBLIC AREAS SHALL BE C/W LOCKABLE TAMPERPROOF GUARDS SUPPLIED & INSTALLED BY PLUMBING & VENTILATION CONTRACTORS

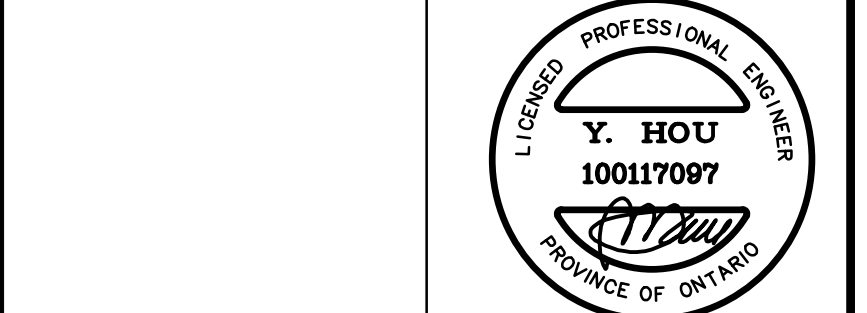
ELECTRICALLY SUPERVISED VALVE SCHEDULE

SUPERVISED VALVE NO.	SYSTEM	LOCATION
(S.V.H1)	SPRINKLER SYSTEM ISOLATION	SPRINKLER ROOM
(S.V.H2)	STANDPIPE SYSTEM ISOLATION	SPRINKLER ROOM
(S.V.H3)	FIRE PUMP INLET ISOLATION	SPRINKLER ROOM
(S.V.H4)	FIRE PUMP OUTLET ISOLATION	SPRINKLER ROOM
(S.V.H5)	FIRE PUMP BYPASS CHECK VALVE ISOLATION	SPRINKLER ROOM
(S.V.H6)	FIRE PUMP BYPASS CHECK VALVE ISOLATION	SPRINKLER ROOM
(S.V.H7)	PARKING GARAGE LEVEL-1 SPRINKLER ISOLATION	SPRINKLER ROOM
(S.V.H8)	PARKING GARAGE LEVEL-1 SPRINKLER ISOLATION	SPRINKLER ROOM
(S.V.H9)	SPARE	SPRINKLER ROOM
(S.V.H10)	P-1 GARBAGE ROOM SPRINKLER ISOLATION	SPRINKLER ROOM
(S.V.H11)	SPARE	SPRINKLER ROOM
(S.V.H12)	BUILDING SPRINKLER ISOLATION	SPRINKLER ROOM
(S.V.H13)	GROUND FLOOR SPRINKLER ISOLATION	1ST FLOOR MECH. CLOSET
(S.V.H14)	SECOND FLOOR SPRINKLER ISOLATION	2ND FLOOR MECH. CLOSET
(S.V.H15)	THIRD FLOOR SPRINKLER(SUITES) ISOLATION	3RD FLOOR MECH. CLOSET
(S.V.H16)	4TH FLOOR SPRINKLER(SUITES) ISOLATION	4TH FLOOR MECH. CLOSET
(S.V.H17)	5TH FLOOR SPRINKLER(SUITES) ISOLATION	5TH FLOOR MECH. CLOSET
(S.V.H18)	6TH FLOOR SPRINKLER(SUITES) ISOLATION	6TH FLOOR MECH. CLOSET
(S.V.H19)	7TH FLOOR SPRINKLER(SUITES) ISOLATION	7TH FLOOR MECH. CLOSET
(S.V.H20)	MECH ROOM ROOFSPRINKLER(SUITES) ISOLATION	8TH FLOOR MECH. CLOSET
(S.V.H21)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H22)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H23)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H24)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H25)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H26)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H27)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H28)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H29)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H30)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H31)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H32)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H33)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H34)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H35)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H36)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H37)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H38)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H39)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H40)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H41)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H42)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H43)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H44)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H45)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H46)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H47)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H48)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H49)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H50)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H51)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H52)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H53)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H54)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H55)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H56)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H57)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H58)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H59)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H60)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H61)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H62)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H63)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H64)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H65)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H66)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H67)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H68)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H69)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H70)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H71)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H72)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H73)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H74)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H75)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H76)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H77)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H78)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H79)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H80)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H81)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H82)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H83)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H84)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H85)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H86)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H87)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H88)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H89)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H90)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H91)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H92)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H93)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H94)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H95)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H96)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H97)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H98)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H99)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE
(S.V.H100)	STANDPIPE RISER ISOLATION	P-1 LEVEL PARKING GARAGE

7	LB	REVISED AS PER SITE INSTRUCTION M-23	AUG/14/2018
6	LB	REVISED AS PER SITE INSTRUCTION M-21	JUL/06/2018
5	LB	REVISED AS PER SITE INSTRUCTION M-11	DEC/11/2017
4	LB	REVISED AS PER SITE INSTRUCTION M-5	AUG/09/2017
3	LB	PROGRESS FOR CONSTRUCTION	JUL/18/2017
2	LM	ISSUED FOR PERMIT	DEC/28/2016
1	LM	ISSUED FOR TENDER	MAR/21/2016

REVISIONS

This drawing is an instrument of service, is provided by and is the property of United Engineering Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify United Engineering Inc. of any discrepancy before proceeding. Refer to the appropriate trade drawings before proceeding with any work. Installation must conform to all applicable codes and requirements of the authorities having jurisdiction. This drawing is not to be scaled, all symbols are graphic representations only.



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TITLE	
EQUIPMENT SCHEDULE MECHANICAL	
PROJECT 25 BAKER HILL BLVD. ROYAL PINE HOMES	
STOUFFVILLE, ONTARIO	
PROPOSED RESIDENTIAL DEVELOPMENT	
DRAWN GC	CHECKED BT
DATE JUNE 2015	SCALE 14-016
DRAFTING M-39 OF 42	

CONDENSATE NEUTRALIZATION KIT

NO.	TYPE	LOCATION	HEATING OUTPUT MBH	CAPACITY L/S	QUANTITY	H.P. K.W.	MAKE	MODEL	REMARKS
(B-1)	HEATING BOILER	BOILER ROOM	1980 MBH		4		RAYPAK	RAYPAK H-2003	CONDENSATE NEUTRALIZATION KIT
(B-2)	DOM HOT WATER HEATING BOILER	BOILER ROOM			2		RAYPAK	RAYPAK H-1003	CONDENSATE NEUTRALIZATION KIT
(B-3)	DOMESTIC HOT WATER TANK	BOILER ROOM			1		CLEMMER		CONDENSATE NEUTRALIZATION KIT
(B-4)	COMBUSTION AIR	BOILER ROOM			2181 U.S. GALLONS				CONDENSATE NEUTRALIZATION KIT
(B-5)	RELIEF AIR	BOILER ROOM			1000 W X 600 D				CONDENSATE NEUTRALIZATION KIT
(B-6)	EMERGENCY GAS SHUT-OFF VALVE	BOILER ROOM							CONDENSATE NEUTRALIZATION KIT
(B-7)	HEATING SYSTEM EXPANSION TANK	BOILER ROOM			487 U.S. GALLONS				CONDENSATE NEUTRALIZATION KIT
(B-8)					900 # X 3000 L				CONDENSATE NEUTRALIZATION KIT
(B-9)	REVERSE ACTING THERMOSTAT	ELEV MACH RM							CONDENSATE NEUTRALIZATION KIT
(B-10)	REVERSE ACTING THERMOSTAT	ELEV MACH RM & MECH RMS			5 KW				CONDENSATE NEUTRALIZATION KIT

HEATING UNIT SCHEDULE

UNIT No	DESCRIPTION	LOCATION	HEATING K.W. M.B.H.	COOLING K.W. C.S.F.M.	L/S	EXTERNAL K.W. C.S.F.M.	ELECTRICAL K.W. C.S.F.M.	MAKE	MODEL	REMARKS
(H-1)	IRW-2A	VESTIBULES & MOVING ROOM	16.7	0.360	1/8 H.P.		120/1/60	ENGINEER-ARCUM-B		C/W THERMOSTAT, SPEED SWITCH & LOCKABLE TAMPERPROOF GUARD
(H-2)	IRW-2A	STAIRS & CORRIDORS	8.6	0.186	1/8 H.P.		120/1/60	ENGINEER-ARCUM-4		C/W THERMOSTAT, SPEED SWITCH & LOCKABLE TAMPERPROOF GUARD
(H-3)	MODEL H	GARBAGE ROOM	11.7	0.252	1/25 H.P.		120/1/60	ENGINEER-ARH-1		C/W THERMOSTAT & STARTER
(H-4)	BASE ELEMENT	BASEMENT	0.95	.02				CJ/AL		TO RUN CONTINUOUSLY
(H-5)	BASEBOARD	BASEMENT	9.36	0.936				ENGINEER-AR	WF-4	120MM HIGH FREE STANDING (STAINLESS STEEL) 1/4" X 1/2" ALUMINUM FIN, 507NS/77
(H-6)	BASEBOARD	BASEMENT	9.36	0.936				ENGINEER-AR	WF-4	120MM HIGH FREE STANDING (STAINLESS STEEL) 1/4" X 1/2" ALUMINUM FIN, 507NS/77
(H-7)										

NOTE: FOR SUPPLEMENTAL HEATING IN COMMON AREAS AND SUITES REFER TO CORRESPONDING ELECTRICAL DRAWINGS.

FAN COIL UNIT SCHEDULE

UNIT No	TYPE	LOCATION	HEATING K.W. M.B.H.	COOLING K.W. C.S.F.M.	L/S	EXTERNAL K.W. C.S.F.M.	ELECTRICAL K.W. C.S.F.M.	MAKE	MODEL	OPERATING CONDITIONS	REMARKS
(A)	VERTICAL FANCOIL TYPICAL SUITES		4.69	0.113	2.49	175	2.8	120/1/60	UNILUX	SUMMER	UNITS C/W EOM HIGH EFFICIENT MOTORS
(B)	VERTICAL FANCOIL TYPICAL SUITES		19500	1.80	4900	300	1.8	120/1/60	UNILUX	ENTERING AIR 78°/67° WE	UNITS C/W EOM HIGH EFFICIENT MOTORS
(C)	VERTICAL FANCOIL TYPICAL SUITES		5.71	0.152	3.31	225	2.4	120/1/60	UNILUX	ENTERING WATER 45°(7°C)	UNITS C/W EOM HIGH EFFICIENT MOTORS
(D)	VERTICAL FANCOIL TYPICAL SUITES		26500	3.60	16000	620	3.6	120/1/60	UNILUX	ENTERING AIR 65°(18°C)	UNITS C/W EOM HIGH EFFICIENT MOTORS
(E)	HORIZONTAL FANCOIL GROUND FLOOR		12.89	0.301	6.65	400	4.8	120/1/60	UNILUX	ENTERING WATER 160°(71°C)	UNITS C/W EOM HIGH EFFICIENT MOTORS
(F)	HORIZONTAL FANCOIL GROUND FLOOR		24000	3.0	18000	3.5	.2	1/6 HP	CARRIER	K2C06	UNITS C/W EOM HIGH EFFICIENT MOTORS

NOTE: ALL FANCOIL UNITS SHALL BE C/W ELECTRIC HEATERS - SUITES WITH ONE FANCOIL UNIT SHALL BE C/W 1000 WATT ELECTRIC HEATERS - SUITES WITH MULTIPLE FANCOIL UNITS SHALL BE C/W 750 WATT ELECTRIC HEATERS EACH

* NOTE: MOTORS FOR SPECIFIED EQUIPMENT TO BE HIGH EFFICIENCY, TO ASHRA 90.1 STANDARDS (JULY,1992 EFFICIENCY LEVELS)

EQUIPMENT SCHEDULE

UNIT No	DESCRIPTION	LOCATION	HEATING K.W. M.B.H.	COOLING TOTAL K.W. C.F.M.	L/S G.P.M.	EXTERNAL K.W. C.F.M.	ELECTRICAL K.W. A.M.P.S/HZ	R.P.M.	ELECTRICAL D.W.A.T.E.R.	MAKE	MODEL	WEIGHT KG LBS	OPERATING CONDITIONS	REMARKS
C-1	CHILLER	ROOF		230 TONS	430 EWP		245 KW		600/3/60 350 MCA		AIR COOLED SCREW CHILLER VOW/205/245	20,000	42°/54°	C/W 1/2" X 1/2" ALUMINUM FIN, 507NS/77
C-2	MAKE-UP AIR UNIT	ROOF	200MBH	1200	245 MBH	8320	1.0"	MFA 55.96 10 HP	878	600/3/60	ENG AIR	FWK215/DJH105	5700	C/W 1/2" X 1/2" ALUMINUM FIN, 507NS/77
C-3	MAKE-UP AIR UNIT	ROOF	200MBH	1200	245 MBH	8320	1.0"	MFA 70.76 15.0 HP	761	600/3/60	ENG AIR	FWK205/DJH146	6000	C/W 1/2" X 1/2" ALUMINUM FIN, 507NS/77
C-4	SPLIT SYSTEM BLOWER & COIL	P-1 LEVEL GARBAGE RM	24.0 MBH	800	0.5"	1/4 HP	208/1/60	LENNOX	CB29M-26			125		C/W THERMOSTAT AND FILTER
C-5	SPLIT SYSTEM CONDENSING UNIT	P-1 LEVEL GARAGE	24.0 MBH	800	0.5"	1/4 HP	208/1/60	LENNOX	HS29-024			125		C/W EXPANSION VALVE KIT, LOW AMBIENT CONTROL KIT, R-134A REFRIGERANT LINES FROM GARAGE TO BLOWER ON GARAGE ROOM
C-6	SPLIT SYSTEM BLOWER & COIL	P-1 LEVEL COMMON ROOMS	18.0 MBH	600	0.5"	1/4 HP	208/1/60	LENNOX	CB29M-21			125		C/W THERMOSTAT AND FILTER
C-7	SPLIT SYSTEM CONDENSING UNIT	P-1 LEVEL GARAGE	18.0 MBH	600	0.5"	1/4 HP	208/1/60	LENNOX	HS29-018			125		C/W EXPANSION VALVE KIT, LOW AMBIENT CONTROL KIT, R-134A REFRIGERANT LINES FROM GARAGE TO BLOWER ON COMMON ROOM
C-8	SPLIT SYSTEM BLOWER & COIL	GROUND FLOOR AMENITY LOBBY	24.0 MBH	800	0.5"	1/4 HP	208/1/60	LENNOX	CB29M-26			125		C/W THERMOSTAT AND FILTER
C-9	SPLIT SYSTEM CONDENSING UNIT	P-1 LEVEL GARAGE	24.0 MBH	800	0.5"	1/4 HP	208/1/60	LENNOX	HS29-024			125		C/W EXPANSION VALVE KIT, LOW AMBIENT CONTROL KIT, R-134A REFRIGERANT LINES FROM GARAGE TO BLOWER ON GROUND FLR
C-10	SPLIT SYSTEM BLOWER & COIL	ELEVATOR MR MECH PENTHOUSE	36 MBH	1200	0.5"	1/2 HP	208/1/60	CARRIER	40 MKCB34F-3			125		C/W RIGID SYSTEM BRASS FIT, 1/2" X 1/2" RIGID R-134A REFRIGERANT PIPES THROUGH GARAGE TO BLOWER ON MECH PENTHOUSE DO NOT REMOVE GARAGE DOOR PENTHOUSE DOOR IS NOT OPEN
C-11	SPLIT SYSTEM CONDENSING UNIT	MECH PENTHOUSE	36 MBH	1200	0.5"	1/2 HP	208/1/60	CARRIER	24AHX36A003			125		C/W THERMOSTAT AND FILTER
C-12	SPLIT SYSTEM BLOWER & COIL	GROUND FLOOR CACT	18.0 MBH	600	0.5"	1/4 HP	208/1/60	LENNOX	CB29M-21			125		C/W THERMOSTAT AND FILTER
C-13	SPLIT SYSTEM CONDENSING UNIT	P-1 LEVEL GARAGE	18.0 MBH	600	0.5"	1/4 HP	208/1/60	LENNOX	HS29-018			125		C/W EXPANSION VALVE KIT, LOW AMBIENT CONTROL KIT, R-134A REFRIGERANT LINES FROM GARAGE TO BLOWER ON GROUND FLR