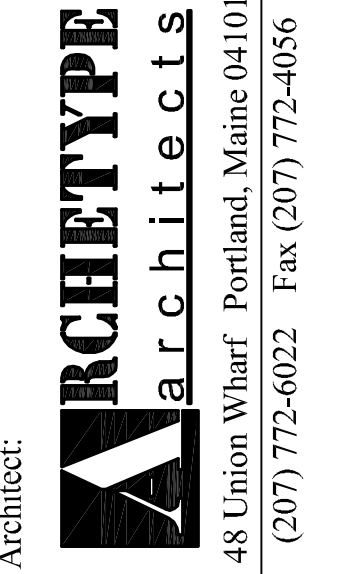


Prepared For:  
119 DEVELOPMENT LLC

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Project:  
**PRESS HOTEL**  
390 CONGRESS STREET  
PORTLAND, MAINE

Revisions:	Date:	By:
1   13_07-01	30% Marriott Submission	
2   13_09-09	60% Marriott Sub. & Pric.	
3   13_10-14	Issue for Bid & Marriott Review	

Date:  
08 OCT 13

Scale:  
1/8" = 1'-0"

**HVAC  
SCHEDULES**

**M10.02**

**Water Source Heat Pump Unit Schedule**

Mark	Location	Configuration	CFM	MAU CFM	ESP (in)	Cooling Capacity (Tons)			Water Flow GPM	Electrical				Standard of Performance		
						EAT	WB	EWT		Voltage	MCA		MOCP			
											Ckt 1	Ckt 2	Ckt 1		Ckt 2	
HP-A	Guest Room	Horizontal	300	35	0.1	0.75	80	67	90	2.7	208/1/60	5.23	XX	15	XX	Climate Master TC-009
HP-B	Guest Room	Horizontal	400	35	0.1	1.00	80	67	90	3.0	208/1/60	8.58	XX	15	XX	Climate Master TC-012
HP-C	Guest Room	Horizontal	500	35	0.1	1.15	80	67	90	3.7	208/1/60	10.58	XX	15	XX	Climate Master TC-015
HP-1	SubBasement	Vertical	1000	190	0.1	2.50	80	67	90	7.5	208/3/60	11.16	XX	15	XX	Climate Master TY-030
HP-2	Elev Machine	Horizontal	300	30	0.2	0.75	80	67	90	2.7	208/1/60	5.23	XX	15	XX	Climate Master TS-009
HP-3	Dry Storage	Horizontal	400	60	0.3	1.00	80	67	90	3.0	208/1/60	8.58	XX	15	XX	Climate Master TS-012
HP-4	Admin	Vertical	600	60	0.5	1.50	80	67	90	4.5	208/1/60	12.90	XX	20	XX	Climate Master TS-018
HP-5	Laundry	Vertical	800	90	0.5	2.00	80	67	90	6.0	208/3/60	11.16	XX	15	XX	Climate Master TT-026
HP-6	Pantry	Horizontal	1000	100	0.4	2.50	80	67	90	7.5	208/3/60	13.23	XX	20	XX	Climate Master TY-030
HP-7	Break Room	Vertical	600	90	0.4	1.50	80	67	90	4.5	208/1/60	12.90	XX	20	XX	Climate Master TS-018
HP-8	Fitness	Vertical	1000	170	0.3	2.50	80	67	90	7.5	208/3/60	13.23	XX	20	XX	Climate Master TY-030
HP-9	Board Room	Vertical	800	120	0.2	2.00	80	67	90	6.0	208/3/60	11.16	XX	15	XX	Climate Master TT-026
HP-10	Meeting-1	Vertical	1000	190	0.3	2.50	80	67	90	7.5	208/3/60	13.23	XX	20	XX	Climate Master TY-030
HP-11	Meeting-1	Vertical	1000	190	0.3	2.50	80	67	90	7.5	208/3/60	13.23	XX	20	XX	Climate Master TY-030
HP-12	Telecom	Horizontal	500	60	0.3	1.25	80	67	90	3.7	208/1/60	10.58	XX	15	XX	Climate Master TS-015
HP-13	Prefunction	Vertical	600	110	0.2	1.50	80	67	90	4.5	208/1/60	12.90	XX	20	XX	Climate Master TS-018
HP-14	Prefunction	Vertical	800	120	0.2	2.00	80	67	90	6.0	208/1/60	12.90	XX	20	XX	Climate Master TT-026
HP-15	Prefunction	Vertical	600	110	0.2	1.50	80	67	90	4.5	208/1/60	12.90	XX	20	XX	Climate Master TS-018
HP-16	Lobby West	Vertical	1200	150	0.5	3.00	80	67	90	9.0	208/3/60	16.60	XX	25	XX	Climate Master TT-038
HP-17	Lobby West	Vertical	1000	120	0.5	2.50	80	67	90	7.5	208/3/60	13.23	XX	20	XX	Climate Master TY-030
HP-18	Lobby West	Horizontal	200	20	0.3	0.50	80	67	90	1.5	208/1/60	4.73	XX	15	XX	Climate Master TS-006
HP-19	Meeting-2	Vertical	1000	330	0.2	2.50	80	67	90	7.5	208/3/60	24.90	XX	40	XX	Climate Master TY-030
HP-20	Toilets	Horizontal	600	80	0.2	1.50	80	67	90	4.5	208/3/60	13.23	XX	20	XX	Climate Master TS-018
HP-21	Flex	Horizontal	600	50	0.2	1.50	80	67	90	4.5	208/1/60	10.58	XX	15	XX	Climate Master TS-018
HP-22	Offices	Horizontal	400	40	0.3	2.00	80	67	90	6.0	208/3/60	11.16	XX	15	XX	Climate Master TT-026
HP-23	Reception	Horizontal	1600	150	0.2	4.00	80	67	90	12.0	208/3/60	13.23	XX	20	XX	Climate Master TT-049
HP-24	Dine/Kitchen	VRF	Refer to Schematic Diagram						63.0	208/3/60	42.50	21.00	60	35.0	LG ARUB-192	

- HORIZONTAL UNIT NOTES:**
- COMMERCIAL AREA THERMOSTATS SHALL BE AUTO/O WITH LED DISPLAY.
  - PROVIDE REMOTE TEMP SENSOR AT PUBLIC SPACES.
  - DRAIN FANS SHALL BE CONSTRUCTED OF PLASTIC AND SHALL BE POSITIVELY SLOPED (PER ASHRAE-62).
  - CABINET INSULATION SHALL BE 1/2" FIBERGLASS AND MEET UL-181 AND ASHRAE-92.
  - REFRIGERATION SYSTEM SHALL BE FREE OF CONTAMINANTS AND SHALL BE CONSTRUCTED WITH COPPER IN CONFORMANCE WITH ASTM-B143.
  - REFRIGERANT FLOW SHALL BE THROUGH A TXV VALVE.
  - FAN MOTORS SHALL BE 3-SPEED. FANS SHALL BE DRAW THRU CONFIGURATION WITH PSC MOTOR.
  - UNITS SHALL BE PROVIDED WITH FILTER FRAME AND (2) SETS OF 2' FILTERS. MERV-8 DURING CONSTRUCTION AND MERV-13 AFTER CONSTRUCTION.
  - A SOUND ATTENUATION PACKAGE SHALL BE PROVIDED AT ALL UNITS. VERTICAL WSHF SHALL BE PROVIDED WITH A RETURN AIR ACOUSTICAL PANEL.
  - THE UNIT SHALL INCLUDE A LOW AND HIGH PRESSURE SWITCH, AND LOCKOUT RELAY.
  - UNITS SHALL BE PROVIDED WITH DELUXE 24 VOLT CONTROLS.
  - SUPPLY HOSE KIT-EQUAL FDI-WITH BALL VALVE, Y-STRAINER UNION, (2) P/T PORTS, AUTOMATIC AIR VENT, DRAIN AND STAINLESS STEEL FLEX HOSE.
  - RETURN HOSE KIT-EQUAL FDI-WITH AUTOFLOW VALVE, SHUT-OFF VALVE, (2) P/T PORTS, AIR VENT, UNION AND STAINLESS STEEL FLEX HOSE.
  - UNITS SHALL BE PROVIDED WITH A FACTORY INSTALLED FUSED DISCONNECT.
  - STACK UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED RISERS (CONDENSER WATER SUPPLY/RETURN AND CONDENSATE DRAIN) WITH SWAGED SOCKET.
  - UNITS SHALL BE WARRANTED FOR (1) YEAR.
  - COMPRESSORS SHALL BE WARRANTED FOR (5) YEARS.
  - CONDENSER WATER RISERS DO NOT REQUIRE INSULATION. CONDENSATE RISERS SHALL BE INSULATED WITH 1" ARMA-FLEX.
  - ACCEPTABLE MANUFACTURERS ZEINER CLIMATE MASTER, WHALEN OR EQUAL.
  - PROVIDE A 2-WAY MOTORIZED VALVE AT EACH UNIT.

- HI-RISE UNIT NOTES:**
- GUEST ROOM THERMOSTATS SHALL BE REMOTE MOUNTED, INCOM E4 SMARTSTAT.
  - DRAIN FANS SHALL BE CORROSION PROTECTED.
  - CABINET INSULATION SHALL BE CLOSED CELL.
  - R-410A REFRIGERANT SHALL BE USED IN ALL UNITS.
  - REFRIGERANT FLOW SHALL BE THROUGH A TXV VALVE.
  - FAN MOTORS SHALL BE 3-SPEED. FANS SHALL BE DRAW THRU CONFIGURATION WITH PSC MOTOR.
  - UNITS SHALL BE PROVIDED WITH FILTER FRAME WITH 1' FILTERS.
  - VERTICAL WSHF SHALL BE PROVIDED WITH A HINGED RETURN AIR ACOUSTICAL PANEL WITH FLANGES.
  - THE COMPRESSOR ENCLOSURE SHALL BE ENCLOSED WITH 1/2" 2' DENSITY INSULATION.
  - THE UNIT SHALL INCLUDE A HIGH PRESSURE SWITCH AND LOW TEMPERATURE AND LOCKOUT RELAY.
  - UNITS SHALL BE PROVIDED WITH DELUXE 24 VOLT CONTROLS.
  - SUPPLY HOSE KIT-EQUAL FDI OR HAYES-WITH BALL VALVE, Y-STRAINER UNION, (2) P/T PORTS, AUTOMATIC AIR VENT, DRAIN AND STAINLESS STEEL FLEX HOSE.
  - RETURN HOSE KIT-EQUAL FDI OR HAYES-WITH AUTOFLOW VALVE, SHUT-OFF VALVE, (2) P/T PORTS, AIR VENT, UNION AND STAINLESS STEEL FLEX HOSE.
  - UNITS SHALL BE PROVIDED WITH A FACTORY INSTALLED DISCONNECT WITH FUSING ADDED TO THE INTERNAL LINE VOLTAGE SWITCH CIRCUIT.
  - STACK UNITS SHALL BE PROVIDED WITH FACTORY INSTALLED RISERS (CONDENSER WATER SUPPLY/RETURN AND CONDENSATE DRAIN) WITH SWAGED SOCKET.
  - UNIT PARTS SHALL BE WARRANTED FOR (1) YEAR.
  - COMPRESSORS SHALL BE WARRANTED FOR (5) YEARS.
  - PROVIDE (1) SQUARE GAUGE FOR EACH VERTICAL WSHF.
  - CONDENSER WATER RISERS DO NOT REQUIRE INSULATION. CONDENSATE RISERS SHALL BE INSULATED WITH 3/8" CLOSED CELL INSULATION.
  - ACCEPTABLE MANUFACTURERS ZEINER CLIMATE MASTER, WHALEN OR EQUAL.
  - PROVIDE A 2-WAY MOTORIZED VALVE AT EACH UNIT.