

PUMP SCHEDULE														MANUFACTURER AS INDICATED OR APPROVED EQUAL		
UNIT NO.	LOCATION	SYSTEM	CIRCULATING FLUID				MOTOR HP (WATTS)	MOTOR RPM	MOTOR SPEED	IMPELLER DIAMETER (IN.)	MIN. EFF. (%)	ELECTRICAL DATA VOLT/PH	MANUFACTURER	MODEL NO.	REMARKS	
			FLUID	SPEC. GRAVITY	TEMP. (°F)	GPM										HEAD (F.T.)
RP-1	BASEMENT MER	DOMESTIC HOT WATER	PLAIN WATER	1.0	110	14.6	15	1/8	1725	CV	—	65	120/1	TACO	0011 BF	1, 2, 3
RP-2	BASEMENT MER	KITCHEN HOT WATER	PLAIN WATER	1.0	140	11.2	15	1/8	1725	CV	—	65	120/1	TACO	0011 BF	1, 2, 3

NOTES:

1. IMPELLER DIAMETER INDICATED IS APPROXIMATE. FINAL IMPELLER DIAMETER TO BE DETERMINED BY PUMP MFR. CONTRACTOR SHALL TRIM IMPELLER AFTER INITIAL FLOW BALANCING TO ACHIEVE OPTIMAL PUMP PERFORMANCE.
2. COORDINATE MOTOR REQ. WITH E.C., E.C. TO FURNISH AND INSTALL MOTOR STARTERS.
3. DOMESTIC HOT WATER RECIRCULATION PUMPS SHALL BE OF BRONZE CONSTRUCTION.

Energy Recovery Ventilator Schedule																											
CFM		Supply Fan Data			Exhaust Fan Data			Media Type	Wheel Face Area (ft ² /side)	Summer Operation								Winter Operation				MCA	MOCP	Manufacturer & Model	Weight (lbs)		
Unit No.	R.A.	S.A.	ESP (in. w.c.)	Motor HP	Motor RPM	ESP in. w.c.	Motor HP			Motor RPM	O.A. (°F) DB/WB	R.A. (°F) DB/WB	E.A. (°F) DB/WB	S.A. (°F) DB/WB	Tot Eff. (%)	En. Rec. Total/Sensible (MBH)	O.A. (°F) DB/WB	R.A. (°F) DB/WB	E.A. (°F) DB/WB	S.A. (°F) DB/WB	Tot Eff. (%)					En. Rec. Total/Sensible (MBH)	Volt/Phase
ERV-1	3470	3470	1	5	1750	1	5	1750	3A Molecular Sieve Coated Aluminum	14.00	92.0/74.0	75.0/62.5	88.5/72.0	78.1/64.6	82	52.2 / 117.1	12.0/10.4	70/58.5	23.5/22.6	58.7/52.1	81	175.1 / 271.6	460/3	18.3	20	AV5040-R-FRVE	1,700
ERV-2	5725	5725	1	5	1750	1	5	1750	3A Molecular Sieve Coated Aluminum	24.00	92.0/74.0	75.0/62.5	88.5/72.0	78.1/64.6	82	86.3 / 193.8	12.0/10.4	70/58.5	23.4/22.5	58.8/52.1	81	289.3 / 448.8	460/3	18.3	20	AV5065-R-FRVE	2,300
ERV-3	5475	5475	1	5	1750	1	5	1750	3A Molecular Sieve Coated Aluminum	24.00	92.0/74.0	75.0/62.5	88.6/72.0	78.0/64.5	83	83.0 / 186.2	12.0/10.4	70/58.5	23.2/22.3	59.1/52.3	81	278.5 / 431.8	460/3	18.3	20	AV5065-R-FRVE	2,300
ERV-4	7100	7100	1	5	1750	1	5	1750	3A Molecular Sieve Coated Aluminum	30.00	92.0/74.0	75.0/62.5	88.5/72.0	78.1/64.6	82.00	106.8 / 240.1	12.0/10.4	70/58.5	23.5/22.6	58.7/52.1	81.00	358.1 / 555.7	460/3	18.3	20	AV5085-R-FRVE	2,600

Expansion Tank Schedule														
Unit No.	System and/or Service	Type	Approx. System Volume (Gal)	System Temperature Range		Initial Pressure in Tank (PSI)	Max Operating Pressure (PSI)	Fill Pressure at Tank		Min. Volume Tank (Gal)	Min. Bladder Volume (Gal)	Make-Up Water Fill Size (in.)	Manufacturer & Model	Remarks
				Min. (°F)	Max. (°F)			Relief Valve (PSI)	At Tank (PSI)					
ET-1	Hot Water	Bladder	365	60	160	12	30	75	23	34	14.25	1	Bell & Gossett B-130LA	----

Packaged Terminal AC Unit Schedule															
Unit No.	CFM		Cooling (MBH)	Heating		Refrig.	Electrical Data				Weight (lbs)	EER	Manufacturer & Model	Total Number of Units	Remarks
	Total	Min. O.A.	Total	Output (MBH)	Electric Heat (KW)		Volt/PH	MCA	MOPC	Receptacle					
PTAC-1	383	25	7.2	6.1	2	R-410A	277/1	9.7	15	NEMA 7-20R	99	12.3	Polar Air iPTAC- HEH-07-Z	130	----
PTAC-2	383	25	7.2	6.1	3	R-410A	277-1	14.4	15	NEMA 7-20R	99	12.3	Polar Air iPTAC- HEH-07-Z	52	----
PTAC-3	383	25	9.5	8.5	3	R-410A	277/1	14.4	15	NEMA 7-20R	108	12.1	Polar Air iPTAC- HEH-09-Z	10	----
PTAC-4	383	25	9.5	8.5	3.6	R-410A	277/1	17.2	20	NEMA 7-20R	108	12.1	Polar Air iPTAC- HEH-09-Z	6	----
PTAC-5	400	25	12.5	11.4	3.6	R-410A	277/1	17.2	20	NEMA 7-20R	110	11.7	Polar Air iPTAC- HEH-12-Z	2	----

Diffuser Schedule							
Symbol	CFM Range	Neck Dia. (In.)	Nom. Face Size (In.)	Finish	Manufacturer & Model	Accessories	Remarks
CD-1	0-110	6	12x12	White	Titus TMS	None	----
CD-2	0-140	6	24x24	White	Titus TMS	None	----
CD-3	141-220	8	24x24	White	Titus TMS	None	----
CD-4	221-320	10	24x24	White	Titus TMS	None	----
CD-5	321-470	12	24x24	White	Titus TMS	None	----
CD-6	471-620	14	24x24	White	Titus TMS	None	----
CD-7	621-720	15	24x24	White	Titus TMS	None	----
SG-1	0-110	6x6	6x6	White	Titus 272FL	None	----
SG-2	111-180	8x6	8x6	White	Titus 272FL	None	----
SG-3	181-300	10x10	10x10	White	Titus 272FL	None	----

NOTES:

1. PROVIDE ALL PTAC UNITS WITH INSULATED WALL SLEEVE (SHIPPED FLAT).
2. PROVIDE ALL PTAC UNITS WITH ARCHITECTURAL OUTDOOR GRILLE.
3. PROVIDE ALL PTAC UNITS WITH A CONDENSATE DRAIN PAN KIT.
4. PROVIDE ALL PTAC UNITS WITH ELECTRICAL SUBBASE THAT INCLUDES FACTORY INSTALLED NEMA 7-20R RECEPTACLE.

ROOM #	TYPE OF PTAC UNIT
1126	PTAC-2
1125	PTAC-1
1125A	PTAC-2
1124	PTAC-1
1124A	PTAC-2
1123	PTAC-1
1121	PTAC-1
1121A	PTAC-1
1119	PTAC-1
1117	PTAC-1
1115	PTAC-1
1115A	PTAC-1
1113	PTAC-1
1113A	PTAC-1
1111	PTAC-1
1109	PTAC-2
1107	PTAC-1
1105	PTAC-1
1105A	PTAC-1

ROOM #	TYPE OF PTAC UNIT
1223	PTAC-1
1221	PTAC-1
1221A	PTAC-1
1219	PTAC-1
1217	PTAC-1
1215	PTAC-1
1215A	PTAC-1
1213	PTAC-1
1213A	PTAC-1
1211	PTAC-1
1207	PTAC-1
1205	PTAC-1
1205A	PTAC-1

ROOM #	TYPE OF PTAC UNIT
2126	PTAC-1
2125	PTAC-3
2125A	PTAC-1
2124	PTAC-3
2124A	PTAC-1
2123	PTAC-1
2122	PTAC-1
2121	PTAC-1
2121A	PTAC-1
2120	PTAC-1
2120A	PTAC-1
2119	PTAC-1
2118	PTAC-1
2118A	PTAC-1
2117	PTAC-1
2116	PTAC-1
2114	PTAC-3
2112	PTAC-1

ROOM #	TYPE OF PTAC UNIT
3126	PTAC-2
3125	PTAC-3
3125A	PTAC-1
3124	PTAC-1
3124A	PTAC-3
3123	PTAC-1
3122	PTAC-1
3121	PTAC-1
3121A	PTAC-1
3120	PTAC-1
3120A	PTAC-1
3119	PTAC-1
3118	PTAC-1
3118A	PTAC-1
3117	PTAC-1
3116	PTAC-1
3115	PTAC-1
3115A	PTAC-1
3114	PTAC-3
3113	PTAC-1
3113A	PTAC-1
3112	PTAC-1
3111	PTAC-1
3110	PTAC-1
3110A	PTAC-1
3109	PTAC-1
3109A	PTAC-1
3108	PTAC-1
3107	PTAC-1
3106	PTAC-1
3104	PTAC-1
3104A	PTAC-1
3102	PTAC-1
3102A	PTAC-1

ROOM #	TYPE OF PTAC UNIT
3226	PTAC-2
3225	PTAC-3
3225A	PTAC-1
3224	PTAC-1
3224A	PTAC-3
3223	PTAC-1
3222	PTAC-1
3221	PTAC-1
3221A	PTAC-1
3220	PTAC-1
3220A	PTAC-1
3219	PTAC-1
3218	PTAC-1
3218A	PTAC-1
3217	PTAC-1
3216	PTAC-1
3215	PTAC-1
3215A	PTAC-1
3214	PTAC-2
3213	PTAC-1
3213A	PTAC-1
3212	PTAC-1
3211	PTAC-1
3210	PTAC-1
3210A	PTAC-1
3209	PTAC-1
3209A	PTAC-2
3208	PTAC-1
3208A	PTAC-1
3207	PTAC-1
3206	PTAC-1
3204	PTAC-1
3204A	PTAC-1
3202	PTAC-1
3202A	PTAC-1

ROOM #	TYPE OF PTAC UNIT
4126	PTAC-2
4125	PTAC-4
4125A	PTAC-1
4124	PTAC-4
4124A	PTAC-1
4123	PTAC-2
4122	PTAC-2
4121	PTAC-2
4121A	PTAC-1
4120	PTAC-2
4120A	PTAC-2
4119	PTAC-2
4118	PTAC-2
4118A	PTAC-2
4117	PTAC-2
4116	PTAC-2
4115	PTAC-1
4115A	PTAC-2
4114	PTAC-3
4113A	PTAC-2
4112	PTAC-2
4111	PTAC-2
4110	PTAC-2
4110A	PTAC-1
4109	PTAC-1
4109A	PTAC-2
4108	PTAC-2
4108A	PTAC-2
4107	PTAC-2
4105	PTAC-1
4105A	PTAC-2
4104	PTAC-1
4104A	PTAC-2
4103	PTAC-1
4103A	PTAC-2
4102A	PTAC-2
4101	PTAC-2

ROOM #	TYPE OF PTAC UNIT
4226	PTAC-2
4225	PTAC-1
4225A	PTAC-4
4224	PTAC-4
4224A	PTAC-4
4223	PTAC-2
4222	PTAC-2
4221	PTAC-1
4221A	PTAC-2
4220	PTAC-1
4220A	PTAC-2
4219	PTAC-2
4218	PTAC-1
4218A	PTAC-2
4217	PTAC-2
4216	PTAC-2
4215	PTAC-1
4215A	PTAC-2
4214	PTAC-3
4213	PTAC-1
4213A	PTAC-2
4212	PTAC-2
4211	PTAC-1
4210	PTAC-1
4210A	PTAC-2
4209	PTAC-1
4209A	PTAC-2
4208	PTAC-1
4207	PTAC-2
4206	PTAC-2
4205	PTAC-4
4205A	PTAC-5
4204	PTAC-1
4204A	PTAC-2
4203	PTAC-4
4203A	PTAC-5
4202A	PTAC-2
4201	PTAC-2

LOUVER SCHEDULE								"RUSKIN" AS STANDARD OR APPROVED EQUAL	
TAG	LOCATION	NOMINAL SIZE (IN)	FREE AREA (SQ)	CFM	MATERIAL BLADE / FRAME	FRAME DEPTH (IN)	DRAINABLE	MODEL	REMARKS
L-1	BASEMENT MECH. RM (1012)	16x16	0.69	200	EXTRUDED ALUMINUM	4	YES	GLF800D	PROVIDE WITH ALUMINUM MESH BIRD & INSECT SCREEN
L-2	BASEMENT WATER HEATER RM (1014)	12x12	0.34	100	EXTRUDED ALUMINUM	4	YES	GLF800D	PROVIDE WITH ALUMINUM MESH BIRD & INSECT SCREEN

GENERAL NOTE:

1. CONTRACTOR SHALL PROVIDE BMS SYSTEM TO MONITOR VRF SYSTEM AND ERV'S AT A CENTRAL COMPUTER.

UNIT HEATER SCHEDULE							
UNIT NO.	SERVICE	LOCATION	BASIS OF DESIGN MANUFACTURER'S MODEL # OR APPROVED EQUAL	SIZE (WxHxD)	ELECTRICAL DATA	TOTAL CAPACITY KW	REMARKS:
					V/PH/HZ		
UH-1	STAIRWELL	STAIR #1, #2 & #3	QMARK CWH3307F	15 1/2" x 19 1/8" x 5"	277/1/60	3/1.5	SEE NOTES 1, 2 & 3
UH-2	MECH. ROOM	BASEMENT WATER HEATER ROOM AND BASEMENT MECHANICAL ROOM	MODINE HER30	14 1/2" x 17 1/2" x 12 1/4"	208/1/60	3	SEE NOTES 1 & 3

NOTE:

1. PROVIDE UNIT WITH DISCONNECT.
2. PROVIDE UNIT WITH SURFACE MOUNTING FRAME.
3. PROVIDE UNIT WITH ELECTRIC MOTOR TOTALLY ENCLOSED & THERMALLY PROTECTED.

BASEMENT PART A

BASEMENT PART B

1ST FLOOR PART A

2ND FLOOR PART A

2ND FLOOR PART B

3RD FLOOR PART A

3RD FLOOR PART B


ROOM-BY-ROOM PTAC SCHEDULE

No.	System and/or Service	Location	Manufacturer & Model	Air Flow (CFM)	Total Static Pressure (in. w.c.)	Drive	Fan RPM	Nominal Power (HP)	Phase	Volts
-1	Dwelling Unit Bathroom	Roof	Twin Cities 0908E	600	0.5	Direct	1650	1/6	1	208
-2	Dwelling Unit Bathroom	Roof	Twin Cities 1008E	1050	0.75	Direct	1750	1/4	1	208
-3	Dwelling Unit Bathroom	Roof	Twin Cities 1208E	1400	0.75	Direct	1750	1/2	1	208
-4	Dwelling Unit Bathroom	Roof	Twin Cities 0958E	650	0.75	Direct	1575	1/4	1	208
-5	Dwelling Unit Bathroom	Roof	Twin Cities 0958E	700	0.5	Direct	1575	1/4	1	208
-6	Dwelling Unit Bathroom	Roof	Twin Cities 1208E	1200	0.5	Direct	1750	1/2	1	208
-7	Dwelling Unit Bathroom	Roof	Twin Cities 0958E	750	0.5	Direct	1650	1/4	1	208
-8	Dwelling Unit Bathroom	Roof	Twin Cities 0858E	300	0.5	Direct	1425	1/6	1	208
-9	Kitchen Hood	Roof	Captive Aire DU300HFA	7200	1.5	Direct	753	7 1/2	3	208
-10	Kitchen Dishwasher	Roof	Captive Aire DU50HFA	900	0.7	Direct	1257	1/2	3	208
11	Dryers	Roof	Twin Cities 1308E	2400	0.25	Direct	1750	1/2	1	208
12	Basement Mech. Rooms	Roof	Twin Cities 0858E	300	0.5	Direct	1425	1/8	1	208

Air Cooled Condensing Unit Schedule												
Unit No.	Service	Location	Cooling Capacity Nominal/Corrected (MBH)	Heating Capacity Nominal/Corrected (MBH)	Comp. Qty.	Ref.	Electrical Data			Weight (lbs)	Manufacturer & Model No.	Remarks
							Volt/Phase	MCA (Amps)	MOPC (Amps)			
ACCU-B-1	Basement	Roof	168/111.9	189/152.9	2	R-410A	460/3	28	35	639	LG ARUM168BT5E	----
ACCU-B-2	Basement	Roof	360/272.6	405/362.3	4	R-410A	460/3	26.4+38.3	35+50	666	LG ARUM360BT5E	----
ACCU-B-3	Basement	Roof	264/182	297/241.2	3	R-410A	460/3	16.4+28.5	25+35	639	LG ARUM264BT5E	----
ACCU-1-1	1st Floor	Roof	192/147.7	216/194.7	2	R-410A	460/3	36	50	659	LG ARUM192BT5E	----
ACCU-1-2	1st Floor	Roof	476.7/392.9	540/486.2	5	R-410A	460/3	18.4+26.4+38.3	25+35+50	666	LG ARUM480BT5E	----
ACCU-1-3	1st Floor	Roof	476.7/347.4	540/482.3	5	R-410A	460/3	18.4+26.4+38.3	25+35+50	666	LG ARUM480BT5E	----
ACCU-2	2nd Floor	Roof	288/212.4	324/285.4	3	R-410A	460/3	16.4+35.7	25+50	659	LG ARUM288BT5E	----
ACCU-3	3rd Floor	Roof	168/154.3	189/170.9	2	R-410A	460/3	28	35	639	LG ARUM168BT5E	----
ACCU-4-1	Basement	Roof	24/17.2	27/20.6	1	R-410A	208/1	19.6	30	159	LG ARUN024GSS4	----
ACCU-4-2	Basement	Roof	24/17.2	27/16.2	1	R-410A	208/1	19.6	30	159	LG ARUN024GSS4	----

Make Up Unit Schedule													
Unit No.	Location	Manufacturer & Model No.	Fan CFM	Total ESP.	Fan RPM	Fan HP	Fan BHP	Furnace Input (MBH)	Furnace Output (MBH)	Efficiency	FLA	Volt/Phase	Remarks
MAU-1	Roof	Captive Aire A4-1BT	7200	1	917	10	2.803	676	540	80%	25.8	208/3	----


Heat Pump Split-System Schedule											
Indoor Unit											
Unit No.	Location	Outdoor Unit	Airflow (CFM)		Total Cooling (MBH)	Heating (MBH)	Electrical Data			Manufacturer & Model	Remarks
			Total H/L	Min. O.A.			Volt/PH	MCA	MOCp		
AC-1	Room 2001	ACCU-1-2	275/208	0	7.5	8.5	208/1	1	15	LG ARNU073SJA4	----
AC-2	Room 1010	ACCU-4-1	275/208	0	9.6	10.9	208/1	1	15	LG ARNU093SJA4	----
AC-3	Room 1008	ACCU-4-1	254/208	0	9.6	10.9	208/1	1	15	LG ARNU093SJA4	----
AC-4	Room 1061	ACCU-4-2	254/208	0	7.5	8.5	208/1	1	15	LG ARNU073SJA4	----
AC-5	Room 1044	ACCU-4-2	254/208	0	7.5	8.5	208/1	1	15	LG ARNU073SJA4	----



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**Montebello Realty
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**Braemar at Montebello Assisted
Living Residence**

**Montebello Crossing,
250 Lafayette Avenue
(Route 59)
Village of Montebello
New York**

CONTRACT

STATUS	ISSUE FOR BID
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SHEET TITLE

HVAC: SCHEDULES

DRAWING No. <div style="font-size: 2em; font-weight: bold; text-align: center; margin-top: 20px;">H8.1</div>	SHEET No. <div style="text-align: center; margin-top: 20px;">OF</div>
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