

MINI-SPLIT SYSTEM SCHEDULE																			
MARK	INSIDE UNIT	AREA SERVED	MANUF.	MODEL	HEAT PUMP (OUTSIDE UNIT)				AIR HANDLING UNIT (INSIDE UNIT)				ELECTRICAL DATA	NOTES					
					TONS	TOTAL CAP.	SEER	HSPF	WEIGHT	MODEL	TYPE	SUPPLY AIR CFM			OUTSIDE AIR CFM	ESP	WEIGHT		
HP-1	AC-1	PBX	DAIKIN	RXN24	2	23.0	16.6	15	25.4	8.2	97	FTXN24	WALL	713	20	0.1	26	SEE ELECTRICAL DRAWINGS	SEE BELOW

MAKE UP AIR UNIT WITH GAS HEAT SCHEDULE																
MARK	MANUFACTURER/ MODEL No.	FAN SELECTION				COOLING CAPACITY				GAS HEAT CAPACITY				ELECTRICAL	ESTIMATED WEIGHT (LBS.)	NOTES
		DESIGN CFM	OUTSIDE AIR (CFM)	ESP IN WG	MOTOR HP	NOMINAL TONS	SENSIBLE COOLING (MBH)	COOLING CAP. (BTU/DB/IB)	LAT. COOL. (BTU/IB)	MBH INPUT	MBH OUTPUT	STAGES				
MAU-1	CARRIER	1000	100%	1.0	1/2	2502	5.0	53.70	34.70	88/72	54.7/54.7	100	76.8	1	1970	
MAU-2	CARRIER	1000	100%	1.0	1/2	2502	5.0	53.70	34.70	88/72	54.7/54.7	100	76.8	1	1970	

**NOTES:**  
 1. ACCEPTABLE ALTERNATE MANUFACTURERS MUST BE EQUAL TO OR BETTER THAN CARRIER.  
 2. UNIT SHALL INCLUDE A 100% OUTSIDE AIR HOOD.  
 3. UNIT SHALL BE DESIGNED TO CONFORM TO ANSI/ASHRAE (AMERICAN NATIONAL STANDARDS INSTITUTE/AMERICAN SOCIETY OF HEATING, REFRIGERATING, AND AIR-CONDITIONING ENGINEERS) (LATEST EDITION), ASHRAE 62, AND UL (UNDERWRITERS LABORATORIES) STANDARD 1995.  
 4. UNIT SHALL BE LISTED AS A TOTAL PACKAGE BY ETL AND ETL CANADA.  
 5. GAS HEAT EQUIPPED UNITS SHALL BE DESIGNED TO CONFORM TO ANSI STANDARD Z83.8, GAS-FIRED FURNACES (U.S.A.).  
 6. ROOF CURB SHALL BE DESIGNED TO NRCA (NATIONAL ROOFING CONTRACTORS ASSOCIATION) BULLETIN B-1986.  
 7. INSULATION AND ADHESIVE SHALL MEET NFPA (NATIONAL FIRE PROTECTION ASSOCIATION) 90A REQUIREMENTS FOR FLAME SPREAD AND SMOKE GENERATION.  
 8. THE UNIT SHALL BE A PACKAGED FACTORY ASSEMBLED HEATING AND/OR COOLING SYSTEM. THE UNIT SHALL CONSIST OF ALL FACTORY WIRING WITH A SINGLE POINT POWER CONNECTION, REFRIGERANT PIPING AND CHARGE (R-410A), OPERATING AIR CHARGE, SINGLE REFRIGERANT CIRCUIT (SIZES 03-06) OR DUAL REFRIGERANT CIRCUITS (SIZES 10-35), WITH A MICROPROCESSOR BASED CONTROL SYSTEM. THE UNIT SHALL, BASED ON PROJECT REQUIREMENTS, INCLUDE ALL SPECIAL FEATURES NECESSARY TO PROVIDE FULLY CONDITIONED VENTILATION AIR AT NEUTRAL CONDITIONS TO THE BUILDING.  
 9. ACCESS PANELS AND DOORS SHALL BE A MINIMUM OF 20 GAUGE SHEET METAL WITH 2.0" THICK CLOSED CELL POLYISOCYANURATE FOAM INSULATION WITH AN R-13 RATING WITH A 24-GAUGE SHEET METAL INTERIOR LINER. ACCESS DOORS SHALL BE EQUIPPED WITH STAINLESS STEEL HINGES AND QUARTER TURN, ADJUSTABLE, RAW TIGHT CAM ACTION LATCHES.  
 10. CORNER AND CENTER POSTS SHALL BE 16 OR 18 GAUGE GALVANIZED STEEL.  
 11. SIZE VENTILATION AIR UNIT(S) BASED ON ASHRAE 0.4% DEHUMIDIFICATION DATA. SIZE VENTILATION AIR UNIT(S) TO PROVIDE THE REQUIRED COOLING COIL LEAVING AIR TEMPERATURE OF 55°F.  
**SEQUENCE OF OPERATION:**  
 MAU SHALL SHUT DOWN UPON DETECTION OF SMOKE BY AREA SMOKE DETECTORS AS SIGNALLED BY FIRE ALARM. MAU SHALL ALSO BE SHUT DOWN BY DUCT MOUNTED SMOKE DETECTORS. COOLING MODE WHEN GAS FIRES ABOVE THE COOLING SETPOINT. THE MAU CONTROLLER WILL BRING ON COOLING STAGES TO MAINTAIN THE SAT AT THE SAT SETPOINT.

PACKAGED TERMINAL HEAT PUMP SCHEDULE													
TAG	MANUFACTURER	SERIES	MODEL NUMBER	COOLING (BTU)	SENSIBLE (BTU)	HEATERS CONNECTION KIT	ELECTRIC HEAT (KW)	FAN CFM HIGH/LOW	OUTSIDE AIR (CFM)	EER	ELECTRICAL	ESTIMATED WEIGHT (LBS.)	NOTES
PTHP-1	GENERAL ELECTRIC	ZONELINE	A25H07DAM	6,700	6,600	RAK315P & RAK315D	2.4	409/250	35	12.0	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	135	1 THRU 11
PTHP-2	GENERAL ELECTRIC	ZONELINE	A25H06DAM	9,200	9,100	RAK315P & RAK315D	2.4	409/300	35	11.5	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	135	1 THRU 11
PTHP-3	GENERAL ELECTRIC	ZONELINE	A25H12DAM	11,500	11,400	RAK315P & RAK315D	2.4	449/300	35	11.2	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	135	1 THRU 11

**NOTES:**  
 1. ACCEPTABLE ALTERNATE MANUFACTURERS: CARRIER, TRANE, AMANA.  
 2. COOLING CAPACITIES BASED ON 80°F DB / 67°F WB ENTERING COIL, 95°F DB ENTERING CONDENSER.  
 3. UNIT SHALL BE UL LISTED.  
 4. CONTROL PANEL SHALL BE SEALED.  
 5. UNIT SHALL BE PROVIDED WITH A SUBBASE KIT WITH CONCEALED RECEPTACLE. EXPOSED POWER CORD AND RECEPTACLES ARE NOT ALLOWED.  
 6. PROVIDE ARCHITECTURAL EXTERIOR GRILLE. GRILLE COLOR PER ARCHITECT. SUBMIT COLOR CHART WITH SUBMITTAL.  
 7. PROVIDE A CONDENSATE DRAIN KIT.  
 8. BACKLIT LED DIGITAL THERMOSTAT WITH TEMPERATURE NUMERALS THAT ARE AT LEAST 1/2" IN HEIGHT. SEE FLOOR PLANS FOR LOCATIONS COORDINATE WITH ARCHITECT. GUEST ROOM THERMOSTATS SHALL BE SPECIFICALLY DESIGNED FOR GUEST ROOM APPLICATIONS. THERMOSTAT SHALL HAVE SYSTEM ON/OFF SELECTION, AUTO, OR MANUAL HEATING/COOLING SELECTION, FAN MODE BUTTON, CONCEALED TEMPERATURE LIMITS, AND A CONTROL ALGORITHM THAT CAUSES FAN SPEED TO INCREASE AS THE ROOM CONDITIONS INCREASE ABOVE SETPOINT, RETURNING TO LOW SPEED AS SETPOINT IS REACHED. THERMOSTAT SHALL BE AS SIMPLE AS POSSIBLE WITH SHIELD BUTTON, TEMP UP/DOWN AND FAN SPEED AUTO/ON.  
 9. ORDER PTHP WITH SIGN TO REPLACE OPERATING KNOBS UNDER FLAP TO READ "THERMOSTAT LOCATED ON WALL". LOCATE THERMOSTAT MORE THAN 12" BACK FROM OUTSIDE CORNER ON THE BATH WALL AND 80" AFF.  
 10. PROVIDE PTHP WITH 1 1/2" SLEEVE.  
 11. SIZE VENTILATION AIR UNIT(S) BASED ON ASHRAE 0.4% DEHUMIDIFICATION DATA. SIZE VENTILATION AIR UNIT(S) TO PROVIDE THE REQUIRED COOLING COIL LEAVING AIR TEMPERATURE OF 55°F.

GAS FURNACE SCHEDULE																
TAG	MANUFACTURER MODEL NO.	FAN SELECTION				COOLING CAPACITY				GAS HEAT CAPACITY				ELECTRICAL	UNIT WEIGHT (LB.)	NOTES
		DESIGN CFM	OUTSIDE AIR (CFM)	ESP IN WG	MOTOR HP	COIL TYPE	MBH TOTAL	MBH SENSIBLE	MBH INPUT	MBH OUTPUT	STAGES	AFUE				
FUR-1	CARRIER 595P2A120-20	2000	500	0.20	0.75	NOTE 7	56.5	42.4	120.0	111.0	1	92	SEE ELECTRICAL DRAWINGS	200	1 THRU 8	
FUR-2	CARRIER 595P2A080-16	1600	600	0.15	0.5	NOTE 7	44.0	34.3	80.0	75.0	1	92	SEE ELECTRICAL DRAWINGS	175	1 THRU 8	
FUR-3	CARRIER 595P2A060-14	1400	100	0.12	0.5	NOTE 7	23.0	17.1	60.0	56.0	1	92	SEE ELECTRICAL DRAWINGS	150	1 THRU 8	
FUR-4	CARRIER 595P2A120-20	1600	300	0.15	0.5	NOTE 7	44.0	34.3	80.0	75.0	1	92	SEE ELECTRICAL DRAWINGS	175	1 THRU 8	

CONDENSING UNIT SCHEDULE										
TAG	MANUFACTURER/ MODEL NO.	UNIT	NOMINAL TONS	MBH TOTAL	MBH SENSIBLE	ELECTRICAL	WEIGHT (LBS.)	NOTES		
CU-1	CARRIER / 24AB330	FUR-1	5.0	56.5	42.4	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	245	1 THRU 5		
CU-2	CARRIER / 24AB330	FUR-2	2.5	44.0	34.3	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	213	1 THRU 5		
CU-3	CARRIER / 24AH424	FUR-3	2.0	23.0	17.1	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	182	1 THRU 5		
CU-4	CARRIER / 24AB330	FUR-4	2.5	44.0	34.3	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	213	1 THRU 5		
CU-5	DX AIR / CSG-501-3.1	FUR-5	5.0	60.9	45.7	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	275	1 THRU 5		

AIR HANDLING UNIT SCHEDULE										
No.	NOM TONS	MANUFACTURER / MODEL No.	DESIGN CFM	OUTSIDE AIR (CFM)	ESP IN WG	MOTOR HP	EAT °F	CAPACITY MBH	EER	NOTES
AHU-5	5.0	DAIKIN / SS D10061	2000	750	0.3	1	90	60.9	14.3	1 THRU 6

DUCT FURNACE SCHEDULE										
No.	MANUFACTURER MODEL No.	DESIGN CFM	MBH INPUT	MBH OUTPUT	STAGES	AFUE	ELECTRICAL	NOTES		
DF-1	MOORE / DF-100	2400	1000	810	1	80.0	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	1 THRU 5		

**NOTES:**  
 1. UNIT SHALL BE UL LISTED AND ARI CERTIFIED UNIT.  
 2. HEATING CAPACITY BASED ON NATURAL GAS AT 1000 BTU PER CUBIC FOOT AND 0.6 SPECIFIC GRAVITY.  
 3. PROVIDE VIBRATION ISOLATION.  
 4. PROVIDE PRESSURE REGULATOR TO REDUCE PRESSURE FROM 2 PSIG TO 7" W.C.

FAN SCHEDULE																
No.	MANUFACTURER/ MODEL No.	AREA SERVED	SERVICE	TYPE (NOTES 1 & 2)	CFM	STATIC PRESSURE IN WG	NOMINAL RPM	DRIVE TYPE (NOTE 3)	ELECTRICAL VPH/Hz	MOTOR HP (WATTS)	SONES	NOTES				
EF-1	GREENHECK/G-060	ROOM RISERS	EXH.	C.F.C.	100	0.25	1550	D		1/80	3.7	4.5,6,10,11,12,14,16,17				
EF-2	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	200	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-3	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	200	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-4	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	200	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-5	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	160	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-6	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	160	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-7	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	160	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-8	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	160	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-9	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	160	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-10	GREENHECK/G-060	ROOM RISERS	EXH.	C.F.C.	80	0.25	1550	D		1/60	3.7	4.5,6,10,11,12,14,16,17				
EF-11	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	180	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-12	GREENHECK/G-065	ROOM RISERS	EXH.	C.F.C.	180	0.25	1550	D		1/30	3.7	4.5,6,10,11,12,14,16,17				
EF-13	GREENHECK/G-060	ROOM RISERS	EXH.	C.F.C.	100	0.25	1550	D		1/60	3.7	4.5,6,10,11,12,14,16,17				
EF-14	GREENHECK/G-060	ROOM RISERS	EXH.	C.F.C.	100	0.25	1550	D		1/60	3.7	4.5,6,10,11,12,14,16,17				
EF-15	GREENHECK/G-060	ROOM RISERS	EXH.	C.F.C.	100	0.25	1550	D		1/60	3.7	4.5,6,10,11,12,14,16,17				
EF-L1	GREENHECK/SP-A90	MEN'S RESTROOM	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L2	GREENHECK/SP-A90	WOMEN'S RESTROOM	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L3	GREENHECK/SP-A90	BACK OF HOUSE	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L4	GREENHECK/SP-A190	STORAGE	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L5	GREENHECK/SP-A190	GUEST LAUNDRY	EXH.	C.F.C.	150	0.25	1550	D		15 W	0.4	4.15				
EF-L6	GREENHECK/SP-A200	FITNESS ROOM	EXH.	C.F.C.	200	0.25	1550	D		15 W	0.4	4.15				
EF-L7	GREENHECK/SP-A90	MEN'S RESTROOM	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L8	GREENHECK/SP-A90	WOMEN'S RESTROOM	EXH.	C.F.C.	75	0.25	1550	D		15 W	0.4	4.15				
EF-L9	GREENHECK/SP-A200	FOOD PREP	EXH.	C.F.C.	200	0.25	1550	D		55 W	3.0	4.15				
EF-L10	GREENHECK/SP-A200	MECHANICAL ROOM	EXH.	C.F.C.	200	0.25	1550	D		55 W	3.0	4.15				
EF-P1	GREENHECK/SP-A70	FLOOR ICE	EXH.	C.F.C.	50	0.25	750			15.6 W	0.3	4.12, 14, 16				
EF-P2	GREENHECK/SP-A200	POOL CHEMICAL STORAGE	EXH.	C.F.C.	200	0.25	1550	D		55 W	3.0	4.12, 14, 16, 17				
EF-P3	GREENHECK/SP-A200	POOL EQUIPMENT ROOM	EXH.	C.F.C.	200	0.25	1550	D		55 W	3.0	4.12, 14, 16, 17				
EF-2-1	GREENHECK/SP-A190	FLOOR 2 ELECTRICAL	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-2-2	GREENHECK/SP-A190	FLOOR 2 LINENS	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-3-1	GREENHECK/SP-A190	FLOOR 3 ELECTRICAL	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-3-2	GREENHECK/SP-A190	FLOOR 3 LINENS	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-4-1	GREENHECK/SP-A190	FLOOR 4 ELECTRICAL	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-4-2	GREENHECK/SP-A190	FLOOR 4 LINENS	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-5-1	GREENHECK/SP-A190	FLOOR 5 ELECTRICAL	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				
EF-5-2	GREENHECK/SP-A190	FLOOR 5 LINENS	EXH.	C.F.C.	150	0.25	1550	D		50 W	2.5	4.12, 14, 16				

INTERNATIONAL COMPLIANCE SCHEDULE											
UNIT NUMBER	AREA SERVED	AREA (SQ. FT.)	PERF. (TABLE 403.3)	PLE. (TABLE 403.3)	PEOPLE QUANTITY	AREFLOW PER PERSON (TABLE 403.3)	AIRFLOW PER SQ. FT. (TABLE 403.3)	TOTAL OUTSIDE AIR REQUIRED (CFM)	TOTAL OUTSIDE AIR PROVIDED (CFM)	NOTES	
FUR-1	LOBBY	1100	30	33	75	0.06	315	500			
FUR-1	MEETING	200	5	1	5	0.06	20	500			
FUR-1	RECEPTION	1100	30	33	5	0.06	230	500			
FUR-2	BREAKFAST	375	70	27	7.5	0.18	270	600			
FUR-2	DRORAGE	200	---	---	---	---	0.12	25	600		
FUR-2	OFFICE	100	5	1	5	0.06	15	600			
FUR-2	ELECTRICAL	190	---	---	---	---	0	600			
FUR-3	LAUNDRY	850	---	---	---	---	0	100			
FUR-3	FITNESS	825	---	---	---	---	0.3	250	100		
FUR-4	LAUNDRY	120	---	---	---	---	0	300			
FUR-4	MECHANICAL	50	---	---	---	---	0	300			
AHU-5	POOL	1475	---	---	---	---	0.48	710	750		
AHU-5	MECHANICAL	110	---	---	---	---	0	750			
AC-1	PBX	85	---	---	---	---	0	10			
								TOTAL	1900	2260	

**NOTE:** PTHP UNITS SHALL PROVIDE 35 CFM OUTSIDE AIR TO UNIT SERVED TO ALLOW FOR COMPLIANCE.

ELECTRIC WALL HEATER SCHEDULE										
No.	MANUFACTURER / MODEL	AREA SERVED	CFM	FAN MOTOR HP	NOMINAL RPM	HEAT KW	MBH	ELECTRICAL VPH/Hz	NOTES	
EWH-1	MARKEL / J3425T	STAIRWELL	245	---	---	5.0	17.0	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	1,2,4,5,6	
EWH-2	MARKEL / J3425T	STAIRWELL	245	---	---	5.0	17.0	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	1,2,4,5,6	
EWH-3	MARKEL / J3425T	MECH. ROOM	245	---	---	5.0	17.0	SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS	1,2,3,5,6	

**NOTES:**  
 1. UNITS SHALL BE UL LISTED.  
 2. PROVIDE THERMAL OVERLOAD PROTECTION.  
 3. PROVIDE REMOTE THERMOSTAT.  
 4. SET TEMPERATURE AT 80°F. PROVIDE UNIT WITH INTEGRAL DISCONNECT SWITCH.  
 5. PROVIDE 24 VOLT TRANSFORMER START/STOP RELAY.  
 6. ACCEPTABLE EQUALS SHALL BE QMARK AND REZTOR.

AIR DISTRIBUTION SCHEDULE										
MARK	MANUFACTURER	MODEL	TYPE	TYPE	DESCRIPTION	DAMPER	NOTES			
SD-1	NAILOR	6200-O								