

DUCTLESS SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE													
AIR HANDLING UNIT SECTION					OUTDOOR HEAT PUMP SECTION								
SYMBOL	AIR QUANTITY TOTAL CFM	OUTSIDE CFM	EXT. S.P. *H <sub>2</sub> O ①	ELECTRICAL FAN FLA VOLTAGE & PHASE	SYMBOL	ELECTRICAL		COOLING CAPACITY BTU/H ②	HEATING CAPACITY BTU/H ③	SEER	REMARKS		
						MCA	MOCP						
DAHU-IDU#3	④	—	—	④	208V-1ø	DAHU-HP#3	16	28	208V-1ø	18,000	— ④	18	STORAGE 301 - EXISTING TO REMAIN NO WORK
DAHU#2	700	—	—	1.0	208V-1ø	DHP#2	19	25	208V-1ø	10,000-24,000	18,300	21	DATA ROOM T1

① EXT. S.P. INCLUDES SUPPLY & RETURN AIR DUCTWORK. FILTERS IN UNIT ARE NOT INCLUDED IN THIS FIGURE.

② CAPACITY WHEN MATCHED WITH INDOOR HEAT PUMP SECTION AT AHRI CONDITIONS.

③ CAPACITY AT 17° F OUTSIDE AIR TEMPERATURE.

④ EXISTING TO REMAIN — DATA NOT AVAILABLE

POWER VENTILATOR SCHEDULE										
SYMBOL	CFM	ESP	RPM	TIP SPEED	ELECTRICAL		TYPE	DRIVE	CONTROL	REMARKS
					WATTS	VOLTAGE				
F-1	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 204A
F-2	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 203A
F-3	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 202A
F-4	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 200A
F-5	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 201A
F-6	300	0.50"	1280	2260	135	115V-1Ø	CEILING EXHAUST	DIRECT	②	BOYS RESTROOM 105
F-7	300	0.50"	1280	2260	135	115V-1Ø	CEILING EXHAUST	DIRECT	②	GIRLS RESTROOM 106
F-8	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 304
F-9	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 303
F-10	100	0.50"	815	1700	128	115V-1Ø	CEILING EXHAUST	DIRECT	①	CUSTODIAL C1
F-11	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 100D
F-12	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	CAN WASH 302B TOILET
F-13	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	CAN WASH 302B
F-14	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 2205A
F-15	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	②	TOILET 2205B
F-16	300	0.50"	1280	2260	135	115V-1Ø	CEILING EXHAUST	DIRECT	②	BOYS RESTROOM 2207
F-17	300	0.50"	1280	2260	135	115V-1Ø	CEILING EXHAUST	DIRECT	②	GIRLS RESTROOM 2209
F-18	75	0.50"	805	1665	80	115V-1Ø	CEILING EXHAUST	DIRECT	①	CUSTODIAL C2
F-19	225	0.50"	1100	1940	135	115V-1Ø	CEILING EXHAUST	DIRECT	COOLING TSTAT	ELECTRICAL E2
F-20	225	0.50"	1100	1940	135	115V-1Ø	CEILING EXHAUST	DIRECT	COOLING TSTAT	CONTROL ROOM E1

① COOLING THERMOSTAT IN PARALLEL WITH TWIST TIMER.

② VIA LIGHTING CONTROL SYSTEMS OCCUPANCY SENSOR.

REGISTER, GRILLE & DIFFUSER SCHEDULE					
SYMBOL	C.F.M.	NECK SIZE	TYPE	RUNOUT SIZE	REMARKS
(A)	50-100	6"x6"	2'x2' LAY-IN CEILING SA DIFFUSER	6"Ø	
(B)	125-225	9"x9"	2'x2' LAY-IN CEILING SA DIFFUSER	8"Ø	
(C)	250-400	12"x12"	2'x2' LAY-IN CEILING SA DIFFUSER	10"Ø	
(D)	50-100	6"x6"	CEILING SA DIFFUSER	6"Ø	
(E)	125-225	9"x9"	CEILING SA DIFFUSER	8"Ø	
(F)	50-150	12"x6"	SIDEWALL SA REGISTER	8"Ø	
(G)	175-225	18"x6"	SIDEWALL SA REGISTER	10"Ø	
(H)	0-750	10"x22"	1'x2' LAY-IN RA REGISTER	—	
(J)	750-1600	22"x22"	2'x2' LAY-IN RA REGISTER	—	
(K)	300-800	18"x6"	SIDEWALL RA REGISTER	—	

VRF HEAT PUMP UNIT SCHEDULE																					
SYMBOL	LOCATION	MANUFACTURER ④	INDOOR UNIT									ELECTRICAL	MCA	NOTES	OUTDOOR UNIT ON ROOF	OUTDOOR UNIT					NOTES
			COOLING TOTAL (MBH)	SENS (MBH)	HEATING TOTAL (MBH)	FAN SA (CFM)	OA (CFM)	ESP (IN H2O)	VOLTAGE	COOLING TOTAL (MBH)	HEATING TOTAL (MBH)					ELECTRICAL					
																VOLTAGE	MCA	MOCP			
HP-IDU1A	1 GR CLRM 203	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①	HP-ODU1	47.8	54.6	208V-1ø	26	30		②		
HP-IDU1B	SAT MEDIA 205	mitsubishi	12.3	16.9	13.6	336	0	—	208V-1ø	0.3	①										
HP-IDU1C	MUSIC 207	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU2A	K CLRM 202	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①	HP-ODU2	47.8	54.6	208V-1ø	26	30		②		
HP-IDU2B	ART 204	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU2C	HALL H2	mitsubishi	12.3	8.6	13.6	336	0	—	208V-1ø	0.3	①										
HP-IDU3A	ENTRY 100A	mitsubishi	12.3	8.6	13.6	336	0	—	208V-1ø	0.3	①	HP-ODU3	47.8	54.6	208V-1ø	26	30		②		
HP-IDU3B	LOBBY 101	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU3C	1 GR CLRM 201	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU4A	GUIDANCE 104	mitsubishi	12.3	8.6	13.6	494	0	—	208V-1ø	0.3	①	HP-ODU4	47.8	54.6	208V-1ø	26	30		②		
HP-IDU4B	HALL H3	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU4C	K CLRM 200	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU5A	MULTIPUR 300	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①③	HP-ODU5	47.8	54.6	208V-1ø	26	30		②		
HP-IDU5B	MULTIPUR 300	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①③										
HP-IDU6A	MULTIPUR 300	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①③	HP-ODU6	47.8	54.6	208V-1ø	26	30		②		
HP-IDU6B	MULTIPUR 300	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①③										
HP-IDU7A	CLRM 103	mitsubishi	9	—	8.5	247	0	—	208V-1ø	0.15	①	HP-ODU7	15.6	17.0	208V-1ø	15	20		②		
HP-IDU7B	PRINCIPAL 102	mitsubishi	9	—	8.5	247	0	—	208V-1ø	0.15	①										
HP-IDU8A	KITCHEN 302	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①	HP-ODU8	47.6	54.6	208V-1ø	26	30		②		
HP-IDU8B	KITCHEN 302	mitsubishi	24.2	16.9	27.3	494	0	—	208V-1ø	0.3	①										
HP-IDU9A	RECEPTION 100	mitsubishi ⑤	9	—	8.5	247	0	—	208V-1ø	0.15	⑤	HP-ODU9	15.6	17.0	208V-1ø	11	15		⑤		
HP-IDU9B	NURSE 100C	mitsubishi ⑤	9	—	8.5	247	0	—	208V-1ø	0.15	⑤										

① EXISTING HEAT PUMP UNITS INDOOR AND OUTDOOR SECTIONS TO BE REUSED, REFER TO PLANS FOR SOME UNITS BEING RELOCATED. REWORK ELECTRICAL, REFRIGERANT PIPING AND CONDENSE TO NEW UNIT LOCATIONS.

② EXISTING DUCTLESS SPLIT SYSTEM TO REMAIN.

③ INSTALLED WITH CONDENSATE PUMP.

④ DESIGN BASIS.

⑤ PROVIDE NEW MITSUBISHI UNITS AND VERIFY THE NEW CONTROLS WILL INTEGRATE AND MATCH THE EXISTING SYSTEM.

WALL MOUNT HEAT PUMP SCHEDULE														
SYMBOL	AIR FLOW		EXT. S.P. *H2O ①	ELECTRICAL			COOLING CAPACITY MBH ②④	HEATING CAPACITY MBH ③	EER	BASIS OF DESIGN				
	SUPPLY CFM	OUTSIDE CFM		STRIP HEAT KW	MCA	MOCP								
WMHP#2200	1300	225	0.55"	6.75	52	60	208V-3ø	41,500	38,500	12.0	BARD 142H1DB	⑤	⑥	⑦
WMHP#2202	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2204	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2206	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2208	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2210	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2212	1150	225	0.45"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2213	900	135	0.55"	6.75	44	45	208V-3ø	27,800	26,600	11.7	BARD 130H1DB	⑤	⑥	⑦
WMHP#2211	1500	265	0.60"	6.75	53	60	208V-3ø	47,000	44,500	12.0	BARD 148H1DB	⑤	⑥	⑦
WMHP#2205	1150	170	0.60"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#2203	1500	270	0.60"	6.75	53	60	208V-3ø	47,000	44,500	12.0	BARD 148H1DB	⑤	⑥	⑦
WMHP#2201	1150	225	0.55"	6.75	49	50	208V-3ø	35,000	32,800	12.0	BARD 136H1DB	⑤	⑥	⑦
WMHP#22101	1300	160	0.55"	6.75	52	60	208V-3ø	41,500	38,500	12.0	BARD 142H1DB	⑤	⑥	⑦