



SPLIT HEAT PUMPS																									
TAG #	SERVES	COOLING CAPACITY TONS	SUPPLY FAN DATA				COOLING DATA (95°F AMBIENT)				HEAT PUMP HEATING DATA (47°F AMBIENT)				FILTERS	INDOOR ELECTRIC				OUTDOOR ELECTRIC				MANUFACTURER AND MODEL	NOTES
			CFM	WATTS	TOTAL MBH	SENSIBLE MBH	COOLING AIR DATA ENT. DB (°F)	SEER	HEATING MBH	HEATING AIR DATA ENT. DB (°F)	TYPE	MCA	WEIGHT LBS	VOLTAGE		PHASE	MCA	HACR	WEIGHT LBS	OUTDOOR SOUND dBA					
FC-1	HP-1	LIBRARY	2.0	630	55	22.1	19.5	80	67	18.9	15.0	70	WASHABLE	POWERED THROUGH OUTDOOR UNIT	1	37	230	1	42	50	276	54	MITSUBISHI MSZ-GL24NA INDOOR, MITSUBISHI MXZ-8C48AHZ OUTDOOR	1,2,3,4	
FC-2	HP-1	LIBRARY	2.0	630	55	22.1	19.5	80	67	18.9	15.0	70	WASHABLE	POWERED THROUGH OUTDOOR UNIT	1	37	-	-	-	-	-	-	MITSUBISHI MSZ-GL24NA INDOOR	1,2,4	
FC-3	HP-3	COMMUNITY	3.0	920	56	33.0	29.4	80	67	14.0	20.0	70	WASHABLE	POWERED THROUGH OUTDOOR UNIT	1	46	230	1	25	40	185	50	MITSUBISHI PKA-A36KA6 INDOOR, PLUZ-A36NH46 OUTDOOR	2,3,4	
FC-4	HP-4	COMMUNITY	3.0	920	56	33.0	29.4	80	67	14.0	20.0	70	WASHABLE	POWERED THROUGH OUTDOOR UNIT	1	46	230	1	25	40	185	50	MITSUBISHI PKA-A36KA6 INDOOR, PLUZ-A36NH46 OUTDOOR	2,3,4	
FC-5	HP-5	OFFICE	0.5	220	30	1.4	1.0	80	67	33.1	6.0	70	WASHABLE	POWERED THROUGH OUTDOOR UNIT	1	29	230	1	11	15	81	48	MITSUBISHI MSZ-FH06NA INDOOR, MITSUBISHI MUZ-FH06NA OUTDOOR	2,3,4	

NOTES: 1. INDOOR UNITS FC-1 AND FC-2 WILL USE SAME OUTDOOR UNIT HP-1 AND SPLITTLER BOX MITSUBISHI PAC-4KA30BC
 2. PROVIDE HIGH CONDENSATE LEVEL STOP SWITCH ON EACH INDOOR UNIT. PROVIDE MANUFACTURER'S SEACOAST PROTECTION AND AIR OUTLET GUIDE FOR OUTDOOR UNIT
 3. PROVIDE VENDORS COATED DRIP PROTECTION ABOVE EACH OUTDOOR UNIT.
 4. PROVIDE MANUFACTURER'S CONTROL ADAPTER FOR HEAT PUMP OPERATION FROM STANDARD 24VAC THERMOSTAT TERMINALS. MITSUBISHI PAC-US444CN-1.
 MANUFACTURER SHALL BE MITSUBISHI ELECTRIC. NO SUBSTITUTIONS WILL BE ACCEPTED.

HEAT RECOVERY VENTILATORS															
TAG #	TYPE	OUTSIDE AIR (WINTER)				RELIEF AIR (WINTER)				ELECTRICAL		WEIGHT LBS.	TYPICAL MANUFACTURER AND MODEL	NOTES	
		CFM	EAT (°F)	LAT (°F)	FAN ESP	CFM	EAT (°F)	LAT (°F)	FAN ESP	MCA	MOP				VOLTS/PHASE
HRV-1	PLATE	330	-20	47	.75	380	70	3	.75	9.0	15	230/1	250	RENEWAIRE 4EVSJIN	1

NOTES: 1. PROVIDE WITH MANUFACTURERS' SOLID STATE FAN SPEED CONTROL, WHITE FINISH COAT, BACKDRAFT DAMPERS AND TWO (2) CEILING MOTION DETECTORS

OUTDOOR AIR FAN COIL																		
TAG #	SERVES	DESIGN OA CFM	SUPPLY FAN DATA			HEATING DATA				FILTERS	INDOOR ELECTRIC				MANUFACTURER AND MODEL	NOTES		
			CFM	ESP (IN. W.C.)	TOTAL MBH	EAT (°F)	HYDRONIC DATA GPM	MAX. PRESS DROP (FT W.C.)	TYPE		THICKNESS	MERV	VOLTAGE	PHASE			MCA	HACR
0AFC-1	COMMUNITY	915	915	0.06	78.5	0	3.5	6.0	1	1"	5	230	1	3.7	15	145	TRANE FORCFLO-1 FFCB10 - SIZE 100	1,2,3

NOTES: 1. HORIZONTAL CONCEALED BACK DUCT COLLAR INLET, FRONT DUCT COLLAR OUTLET
 2. PROVIDE WITH MANUFACTURERS ALUMINUM OUTDOOR AIR WALL BOX. SEE LOUVER SCHEDULE.
 3. PROVIDE WITH MANUFACTURERS UNIT MOUNTED LOCAL FAN SPEED CONTROL SWITCH OFF/HIGH/MEDIUM/LOW
 TYPICAL MANUFACTURER AND MODEL ARE FOR REFERENCE ONLY. PRODUCTS FROM OTHER MANUFACTURERS THAT MEET THE PERFORMANCE AND SPECIFICATION REQUIREMENTS ARE ALSO ACCEPTABLE.

LOUVERS									
TAG #	TYPE	SERVES	CFM	SP (IN. WC)	FREE AREA (SQ. FT)	SIZE	TYPICAL MANUFACTURER AND MODEL		NOTES
L-1	INTAKE WALL BOX	0AFC-1	915	0.05	3.05	58"Wx7 1/2"H	TRANE WALL BOX FOR SIZE 10 CABINET UNIT HEATER		1,2
L-2	COMBINATION, GRAVITY	0AFC-1 RELIEF	915	0.05	3.05	30"Wx36"H	RUSKIN ELBD375E		1,2

NOTES: 1. ARCHITECT TO CHOOSE FINISH COLOR FROM MANUFACTURER'S STANDARD PALETTE
 2. PROVIDE INTERIOR INSECT SCREEN

CABINET UNIT HEATERS																
TAG #	SERVES	TYPE	SUPPLY FAN DATA			HEATING DATA				FILTERS	INDOOR ELECTRIC				MANUFACTURER AND MODEL	NOTES
			CFM	RPM	TOTAL MBH	EAT (°F)	HYDRONIC DATA GPM	MAX. PRESS DROP (FT W.C.)	TYPE		VOLTAGE	PHASE	MCA	HACR		
CUH-1	LIBRARY	RECESSED, INVERTED FLOW	505	-	32.0	68	2.0	1.0	PERMANENT	120	1	1.4	15	157	VULCAN RW-1130-06	1,2,3
CUH-2	LOBBY	RECESSED, INVERTED FLOW	430	-	32.9	68	2.0	1.5	PERMANENT	120	1	1.4	15	128	VULCAN RWH-1130-04 HIGH CAPACITY COIL	1,2,3

NOTES: 1. INVERTED FLOW
 2. PROVIDE EACH CABINET UNIT HEATER WITH LOCAL VARIABLE FAN SPEED CONTROL ACCESSIBLE THROUGH ACCESS DOOR IN THE CUH CABINET.
 3. ARCHITECT TO CHOOSE FINISH COLOR FROM MANUFACTURER'S STANDARD PALETTE.
 TYPICAL MANUFACTURER AND MODEL ARE FOR REFERENCE ONLY. PRODUCTS FROM OTHER MANUFACTURERS THAT MEET THE CONFIGURATION, PERFORMANCE AND SPECIFICATION REQUIREMENTS ARE ALSO ACCEPTABLE.

FIN TUBE CONVECTOR										
TAG #	TYPE	BTU/FT	TUBE SIZE	FINS/FT	EWT (°F)	LWT (°F)	EAT (°F)	TYPICAL MANUFACTURER AND MODEL		NOTES
FT-1	FIN TUBE BASE BOARD AND ENCLOSURE	690	3/4"	50	180	160	65	VULCAN LC209 VRM		1
FT-2	HEAVY DUTY FIN TUBE BASE BOARD AND SLOPE TOP ENCLOSURE	1040	3/4"	40	180	160	65	VULCAN JV3-ARS-VC314-434		2

NOTES: 1. 18 GA. STEEL ENCLOSURE PAINTED WHITE. LENGTH NOTED ON DRAWING IS ACTIVE LENGTH OF FINNED TUBE. PROVIDE ADDITIONAL ENCLOSURE TO COVER RUNOUT PIPING WHERE REQUIRED. PROVIDE END CAPS.
 2. 16 GA. STEEL ENCLOSURE. COLOR BY ARCHITECT FROM MANUFACTURER'S STANDARD PALETTE PAINTED. LENGTH NOTED ON DRAWING IS ACTIVE LENGTH OF FINNED TUBE. PROVIDE ADDITIONAL ENCLOSURE TO COVER RUNOUT PIPING WHERE REQUIRED. PROVIDE END CAPS.

HOT WATER DUCT COIL												
TAG #	TYPE	SIZE (IN X IN)	CFM	CAPACITY (MBH)	VELOCITY (FPM)	AIR PD (IN WC)	GPM (AT 180°F)	WATER PD (FT WC)	EAT (°F)	ROWS	TYPICAL MANUFACTURER AND MODEL	NOTES
DC-1	FINNED COIL IN MANUFACTURERS CASING	9x9	380	6.7	700	0.2	0.8	5.0	48	1	US AIRCOIL F108-8X9	1

NOTES: 1. PROVIDE VENT ON EACH COIL

REGISTERS, GRILLES AND DIFFUSERS									
TAG #	TYPE	MAX CFM	FACE SIZE (W" X H")	NECK SIZE (INCHES)	MAX SP DROP (INCHES W.C.)	MAX NC	TYPICAL MANUFACTURER AND MODEL		NOTES
R-1	RETURN, ALUMINUM, 35° FIXED BLADE, 24"X24" CEILING MODULE, WHITE FINISH	75	6X4	6X4	0.1	20	TITUS 355FL		1,2
R-1A	RETURN, ALUMINUM, 35° FIXED BLADE, DUCT MOUNT, WHITE FINISH	75	6X4	6X4	0.1	20	TITUS 355FL		1,2
R-2	RETURN, ALUMINUM, 35° FIXED BLADE, SURFACE OR DUCT MOUNT, WITH DAMPER, WHITE FINISH	200	8X8	8X8	0.08	20	TITUS 355FL		1,2
R-3	RETURN, ALUMINUM, 35° FIXED BLADE, SURFACE MOUNT, WHITE FINISH	915	30X36	30X36	0.01	15	TITUS 355FS		1,2
S-1	SUPPLY, ALUMINUM, SINGLE BLADE ADJUSTABLE PATTERN, 24"X24" CEILING MODULE, WHITE FINISH	110	6X6	6X6	0.08	20	TITUS 301FL		1,2
S-1A	SUPPLY, ALUMINUM, SINGLE BLADE ADJUSTABLE PATTERN, DUCT MOUNT, WHITE FINISH	110	6X6	6X6	0.08	20	TITUS 301FL		1,2
S-2	SUPPLY, ALUMINUM, SINGLE BLADE ADJUSTABLE PATTERN, SURFACE OR DUCT MOUNT, WITH DAMPER, WHITE FINISH	280	10x10	10x10	0.08	20	TITUS 301FL		1,2
S-3	SUPPLY, ALUMINUM, SINGLE BLADE PARALLEL TO SHORT DIMENSION, ADJUSTABLE PATTERN, SURFACE MOUNT, WHITE FINISH	460	30X8	30X8	0.03	20	TITUS 301FS		1,2

NOTES: 1. PROVIDE EACH DIFFUSER, REGISTER AND GRILLE WITH ITS OWN VOLUME DAMPER.
 2. TYPICAL MANUFACTURER AND MODEL ARE FOR REFERENCE ONLY. PRODUCTS FROM OTHER MANUFACTURERS THAT MEET THE PERFORMANCE AND SPECIFICATION REQUIREMENTS ARE ALSO ACCEPTABLE.

CEILING FANS											
TAG #	TYPE	SERVES	CFM	DIAMETER	COVERAGE (SQ. FT)	ELECTRICAL		TYPICAL MANUFACTURER AND MODEL		NOTES	
						VOLTAGE	PHASE	AMPS			
CF-1	CEILING SUSPENDED PADDLE FAN	LIBRARY	9,000	72"	1200	120	1	0.46	MONTE CARLO "MINIMALIST MAX" 3MNLR72R2WD		1
CF-2	CEILING SUSPENDED PADDLE FAN	COMMUNITY	2,755	42"	500	120	1	0.43	MONTE CARLO "VISION II" 3VNR42R2WD		2
CF-3	CEILING SUSPENDED PADDLE FAN	COMMUNITY	2,755	42"	500	120	1	0.43	MONTE CARLO "VISION II" 3VNR42R2WD		2

NOTES: 1. PROVIDE WITH MANUFACTURERS 18" DOWNROD, 6 SPEED HARD WIRED WALL MOUNTED CONTROL SWITCH WITH REVERSE FUNCTION MONTE CARLO ESSWC-5-WH
 2. PROVIDE WITH MANUFACTURERS 12" DOWNROD, 3 SPEED WALL MOUNTED CONTROL SWITCH WITH REVERSE FUNCTION.

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