

FAN SCHEDULE																																		
																	SOUND POWER (MAX. DB) PER OCTAVE BAND (NOTE: INLET SOUND FOR RETURN AND EXHAUST FANS; OUTLET SOUND FOR SUPPLY FANS)																	
MOTOR																	ELECTRICAL DATA																	

VRF FAN COIL UNIT SCHEDULE																										
TAG	LOCATION	AREA SERVED	CONFIGURATION	FAN CFM	OUTSIDE AIR CFM	E.S.P. (IN WG.)	COOLING COIL				HEATING COIL				ELECTRICAL DATA				DESIGN REFERENCE							
							ENTERING AIR TEMPERATURE		MIN SENSIBLE MBH	MIN TOTAL MBH	REFRIGERANT TYPE	ENTERING AIR TEMPERATURE (°F)		HEATING INPUT POWER		MIN MBH	MCA	MOCP	VOLTAGE	PHASE	EMERGY	WEIGHT(LBS)	MANUFACTURER	MODEL	NOTES	
							DB (°F)	WB (°F)				DB (°F)	WB (°F)	(KW)												
FCU-1	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	600 CFM	145 CFM	0.60	80	67	18.3	24.0	R32	70	0.14	27.0	2.50 A	15 A	208 V	1	NO	67	mitsubishi electric trane	TPEFY024M1A1M0A	12.3.4.5			
FCU-2	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	850 CFM	530 CFM	0.60	80	67	27.1	36.0	R32	70	0.22	44.0	3.13 A	15 A	208 V	1	NO	84	mitsubishi electric trane	TPEFY030M1A1M0A	12.3.4.5			
FCU-3	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	500 CFM	95 CFM	0.60	80	67	18.3	24.0	R32	70	0.14	27.0	2.50 A	15 A	208 V	1	NO	67	mitsubishi electric trane	TPEFY024M1A1M0A	12.3.4.5			
FCU-4	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	600 CFM	120 CFM	0.60	80	67	18.3	24.0	R32	70	0.14	27.0	2.50 A	15 A	208 V	1	NO	67	mitsubishi electric trane	TPEFY024M1A1M0A	12.3.4.5			
FCU-5	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	620 CFM	250 CFM	0.60	80	67	18.3	24.0	R32	70	0.14	27.0	2.50 A	15 A	208 V	1	NO	67	mitsubishi electric trane	TPEFY024M1A1M0A	12.3.4.5			
FCU-6	SEE PLANS	SEE PLANS	CEILING CONCEALED DUCTED	500 CFM	95 CFM	0.60	80	67	18.3	24.0	R32	70	0.14	27.0	2.50 A	15 A	208 V	1	NO	67	mitsubishi electric trane	TPEFY024M1A1M0A	12.3.4.5			
FCU-7	FF#1 110	FF#1 110	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			
FCU-8	FF#2 112	FF#2 112	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			
FCU-9	FF#3 114	FF#3 114	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			
FCU-10	FF#4 116	FF#4 116	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			
FCU-11	FF#5 118	FF#5 118	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			
FCU-12	FF#6 120	FF#6 120	CEILING CASSETTE	250 CFM	30 CFM	0.00	80	67	4.2	5.0	R32	70	0.14	5.6	0.24 A	15 A	208 V	1	NO	29	mitsubishi electric trane	TPLPY005FM1M0A	12.3.4.5			

NOTES:

1. UNIT SHALL BE PROVIDED WITH CONDENSATE DRAIN PIPE AND INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS.
2. CONDENSATE OVERFLOW SWITCH TO BE PROVIDED AND INSTALLED BY CONTRACTOR PER MANUFACTURER'S RECOMMENDATIONS.
3. PROVIDE CONDENSATE INTERLOCK SWITCH TO SHUTDOWN UNIT IF DRAIN IS OBSTRUCTED.
4. COOLING CAPACITIES BASED ON 95°F DB OUTDOOR AIR TEMPERATURE. HEATING CAPACITY BASED ON 45°F DB/43°F WB OUTDOOR AIR TEMPERATURE.
5. UNIT SHALL INCLUDE INTEGRAL CONDENSATE PUMP.

ENERGY RECOVERY UNIT SCHEDULE																																					
		SUPPLY AIR								RETURN AIR								OUTSIDE AIR								EXHAUST AIR				ELECTRICAL				DESIGN REFERENCE			
		LEAVING AIR (°F)								ENTERING AIR (°F)								ENTERING AIR (°F)								LEAVING AIR (°F)											
TAG	SUPPLY CFM	ESP	SUMMER DB	WINTER DB	WINTER WB	RETURN CFM	SUMMER DB	SUMMER WB	WINTER DB	WINTER WB	OA CFM	ESP	SUMMER DB	WINTER DB	WINTER WB	EXHAUST CFM	ESP	SUMMER DB	WINTER DB	WINTER WB	VOLT	PHASE	F1A	MOP	MCA	MANUFACTURER	MODEL	NOTES									
TA0 FRY-1	2330	0.29 gpm	66.1 F	66.8 F	36.8 F	1120	75.7 F	59.3 F	59.3 F	59.3 F	0.29 gpm	66.1 F	66.8 F	36.8 F	36.8 F	393	0.29 gpm	66.1 F	66.8 F	36.8 F	36.8 F	208		F1A	MOP	MCA	VAIENT	FRW5201SH									

NOTES:
1. UNIT SHALL BE INSTALLED WITH MANUFACTURER PROVIDED INSULATED ROOF CURB WITH VIBRATION ISOLATORS.

CONDENSING UNIT SCHEDULE																						
TAG	LOCATION	NOMINAL COOLING CAPACITY (BTU/Hr)	OUTDOOR AIR TEMPERATURE (°F)	MIN. EER	COMPRESSOR(S)		CONDENSER FAN(S)			REFRIGERANT DATA		MAX. SOUND LEVEL		ELECTRICAL DATA					WEIGHT(LBS)	DESIGN REFERENCE		
					QUANTITY	TON	QUANTITY	TYPE	CFM	TYPE	DBA	MFA	MCA	MCP	VOLTAGE	PHASE	EMERGENCY POWER	MANUFACTURER		MODEL	NOTES	
ACCU-1	ON GRADE	18000.0	95	12.3	1	1.5	1	220A	R454B	52.0	0 A	23 A	2 A	208 V	1	NO	119	MITSUBISHI ELECTRIC TRANE	MUZ-P18BLHJZ	1		
VRFH-1	ON GRADE	144000.0	95	12.3	1	12.0	2	PROPELLER	8474	R32	80.5	70 A	60 A	100 A	208 V	3	NO	712	MITSUBISHI ELECTRIC TRANE	TURYE1443AMMJA	23.4.5	

NOTES:

1. COOLING ONLY UNIT AND SINGLE POINT POWER CONNECTION.
2. VARIABLE REFRIGERANT FLOW HEAT PUMP.
3. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR CONFIRMING REFRIGERANT PIPE LENGTHS AND SIZES.
4. SYSTEM MUST PROVIDE CONTINUOUS HEATING DURING DEFROST AND OIL RETURN CYCLES.
5. PROVIDE UNIT WITH SELF-CONTAINED DDC CONTROLLER AND BACNET COMPATIBLE.

VRF HEAT RECOVERY DISTRIBUTION BOX SCHEDULE																
TAG	MAX PORT CAPACITY BTU	MAX UNIT CAPACITY BTU	NUMBER OF INDOOR PORTS	PORT GAS PIPE DIA O.D.	PORT LIQUID PIPE DIA O.D.	SYSTEM LIQUID PIPE DIA O.D.	SYSTEM LOW VAPOR PIPE DIA O.D.	SYSTEM HIGH VAPOR PIPE DIA O.D.	ELECTRICAL DATA				DESIGN REFERENCE			NOTES
									MCA	MOCP	VOLTAGE	PHASE	EMERGENCY POWER	MANUFACTURER	MODEL	
HR03-1	46000	160000	12	3/8"	5/8"	7/8"	1-1/8"	7/8"	1	150A	208V	1	3P	MITSUBISHI ELECTRIC TRANE	CMS-M1212Q1-M1-SV	

GAS FIRED INFRARED RADIANT HEATER SCHEDULE																
TAG	LOCATION	TYPE	FUEL TYPE	LENGTH	BTU HIGH INPUT	BTU LOW INPUT	GAS PRESSURE RANGE MIN/MAX (W.C.)	ELECTRICAL DATA				WEIGHT(LBS)	DESIGN REFERENCE		NOTES	
								FLA	VOLTAGE	PHASE	EMERGENCY POWER		MANUFACTURER	MODEL		
RH-1	APPARATUS BAY 129	INFRARED TUBE HEATER/GAS	GAS	22 FT	40000	25000	5" W.C./14" W.C.	1.8 A	120 V	1	NO	115	SPACE-RAY	PTS 40-20-NIS		
RH-2	APPARATUS BAY 129	INFRARED TUBE HEATER/GAS	GAS	22 FT	40000	25000	5" W.C./14" W.C.	1.8 A	120 V	1	NO	115	SPACE-RAY	PTS 40-20-NIS		
RH-3	APPARATUS BAY 129	INFRARED TUBE HEATER/GAS	GAS	22 FT	40000	25000	5" W.C./14" W.C.	1.8 A	120 V	1	NO	115	SPACE-RAY	PTS 40-20-NIS		
RH-4	APPARATUS BAY 129	INFRARED TUBE HEATER/GAS	GAS	22 FT	40000	25000	5" W.C./14" W.C.	1.8 A	120 V	1	NO	115	SPACE-RAY	PTS 40-20-NIS		

TAG	NECK/INLET SIZE (IN.)	FACE SIZE (IN.)	MIN CORE AREA (SQ. FT)	NOMINAL LENGTH (IN.)	SLOT WIDTH (IN.)	NUMBER OF SLOTS	MATERIAL	FINISH	MAX. NC	MAX THROW (FT)	MAX A.P.D. (IN. WG.)	DESIGN REFERENCE		NOTES
												MANUFACTURER	MODEL	
ED1	6	12 X 12	-	-	-	-	STEEL	WHITE	20	10	0.15	PRICE	SPO	
ED2	6	24 X 24	-	-	-	-	STEEL	WHITE	25	8	0.07	PRICE	SPO	
ED3	8	24 X 24	-	-	-	-	STEEL	WHITE	27	10	0.12	PRICE	SPO	
ED4	10	24 X 24	-	-	-	-	STEEL	WHITE	27	12	0.15	PRICE	SPO	
RD1	6	24 X 24	-	-	-	-	STEEL	WHITE	25	8	0.07	PRICE	SPO	
RD2	8	24 X 24	-	-	-	-	STEEL	WHITE	27	10	0.12	PRICE	SPO	
RD3	10	24 X 24	-	-	-	-	STEEL	WHITE	27	12	0.15	PRICE	SPO	
RD4	12	24 X 24	-	-	-	-	STEEL	WHITE	30	15	0.20	PRICE	SPO	
SD1	6	12 X 12	-	-	-	-	STEEL	WHITE	25	8	0.07	PRICE	SPO	
SD2	6	24 X 24	-	-	-	-	STEEL	WHITE	25	8	0.07	PRICE	SPO	
SD3	8	24 X 24	-	-	-	-	STEEL	WHITE	27	10	0.12	PRICE	SPO	
SD4	10	24 X 24	-	-	-	-	STEEL	WHITE	27	12	0.15	PRICE	SPO	

SPLIT SYSTEM INDOOR UNIT - COOLING ONLY																
TAG	LOCATION	AREA SERVED	CONFIGURATION	FAN CFM	COOLING COIL		FAN MOTOR OUTPUT	ELECTRICAL DATA				WEIGHT(LBS)	DESIGN REFERENCE		NOTES	
					SENSIBLE HEAT FACTOR	MIN. TOTAL		WATTS	MCA	MOPC	VOLTAGE		PHASE	HEATING POWER		MANUFACTURER
AC-1	ELEC 126	ELEC 126	WALL MOUNTED	300	0.76	18.0	40	1.4	0.4	208 V	1	NO	32	DAIKIN	FTX18L1	

UNIT HEATER SCHEDULE												
TAG	LOCATION	TYPE	CONFIGURATION	CFM	MOTOR	ELECTRICAL DATA			WEIGHT(LBS)	DESIGN REFERENCE		NOTES
						KW	VOLTAGE	PHASE		EMERGENCY POWER	MANUFACTURER	
EUH-1	STORAGE/MAINTENANCE 130	ELECTRIC	CEILING SUSPENDED	300	3	208 V	1	NO	20	RENZOR	EGW	

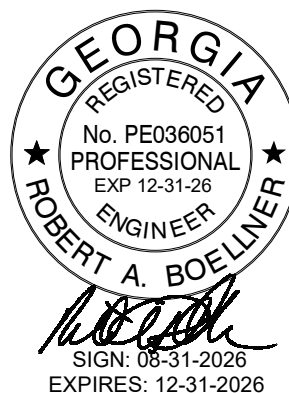
LOUVER SCHEDULE							
MARK	HEIGHT	WIDTH	DEPTH	FREE AREA	STYLE	MANUFACTURE	MODEL
LVA	36"	48"	6"	6.4 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LVB	36"	48"	6"	6.4 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LVC	36"	48"	6"	6.4 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LV2A	48"	48"	6"	9.0 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LV2B	48"	48"	6"	9.0 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LV3	24"	24"	6"	1.5 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LV4	24"	24"	6"	1.9 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD
LV6	14"	24"	6"	0.75 SF	ADJUSTABLE, DRAINABLE	GREENHECK	EAD



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BID DOCUMENTS

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MECHANICAL SCHEDULES

M600