

AIR DOOR SCHEDULE																					
UNIT NO.	LOCATION	LENGTH (FT)	WEIGHT (LB)	AIR FLOW (CFM)	MOTOR FAN DATA							HEATING COIL					ORIENTATION	MANUFACTURER AND MODEL NUMBER	NOTE		
					QTY.	HP	VOLT	PH	AMPS	DRIVE	POSITION	OUTPUT (MBH)	FLOW (GPM)	EWT 'F	LWT 'F	ROWS (R)				ΔS (FT)	CONNECTION SIDE
AD-1	LEVEL 4 EXIT TO GARAGE	8	680	8920	1	5	460	3	7.9	DIRECT	CENTER	385	21.2	200	160	2	0.8	LEFT	HORIZONTAL	BERNER CFA1096W	1, 2, 3

NOTE:  
1. PROVIDE REMOTE MOUNTED HOA DISCONNECT SWITCH. 2. SAME END PIPING CONNECTION. 3. PROVIDE LINE VOLTAGE THERMOSTAT AND MOUNT AT AIR DOOR. SET THERMOSTAT AT 74 DEG F.

RADIANT FLR & SNOW MELT MANIFOLD SCHEDULE										
UNIT NO.	LOOPS	MBH	GPM	EWT	WTD	SERVICE	APPROX SQ. FT SERVED	NOTE		
LEVEL 1 - ZONE 3										
1-3-01	8	45	6.1	110	15	FLOOR HEATING	3000	1		
1-3-02	16	398	25	120	20	SNOW MELTING	2050	1		
LEVEL 1 - ZONE 4										
1-4-01	8	45	6.1	110	15	FLOOR HEATING	2425	1		
1-4-02	8	45	6.1	110	15	FLOOR HEATING	3000	1		
1-4-03	8	45	6.1	110	15	FLOOR HEATING	2625	1		
1-4-04	8	45	6.1	110	15	FLOOR HEATING	2900	1		
1-4-05	8	45	6.1	110	15	FLOOR HEATING	2920	1		
1-4-06	16	398	25	120	20	SNOW MELTING	2050	1		
LEVEL 1 - ZONE 5										
1-5-01	8	45	6.1	110	15	FLOOR HEATING	2275	1		
LEVEL 2 - ZONE 4										
2-4-01	8	45	6.1	110	15	FLOOR HEATING	2275	1		
LEVEL 2 - ZONE 5										
2-5-01	8	45	6.1	110	15	FLOOR HEATING	2750	1		
2-5-02	8	45	6.1	110	15	FLOOR HEATING	1325	1		
2-5-03	4	100	9.0	120	20	SNOW MELTING	500	1		
2-5-05	8	45	6.1	110	15	FLOOR HEATING	2820	1		
2-5-06	8	45	6.1	110	15	FLOOR HEATING	2790	1		
2-5-08	8	45	6.1	110	15	FLOOR HEATING	2850	1		
2-5-09	8	45	6.1	110	15	FLOOR HEATING	780	1		
2-5-10	2	50	5.3	120	20	SNOW MELTING	250	1		
2-5-11	2	50	5.3	120	20	SNOW MELTING	250	1		
2-5-12	2	50	5.3	120	20	SNOW MELTING	250	1		
2-5-13	10	203	21.6	120	20	SNOW MELTING	1350	1		
LEVEL 3 - ZONE 4										
3-4-01	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-4-02	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-4-03	8	45	6.1	110	15	FLOOR HEATING	3000	1		
LEVEL 3 - ZONE 5										
3-5-01	8	45	6.1	110	15	FLOOR HEATING	1030	1		
3-5-02	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-5-03	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-5-04	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-5-05	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-5-06	8	45	6.1	110	15	FLOOR HEATING	3000	1, 2		
3-5-07	8	45	6.1	110	15	FLOOR HEATING	1725	1		
LEVEL 4 - ZONE 5										
4-5-01	8	45	6.1	110	15	FLOOR HEATING	1650	1		
4-5-02	8	45	6.1	110	15	FLOOR HEATING	3000	1		
4-5-03	8	45	6.1	110	15	FLOOR HEATING	3000	1		
4-5-04	8	45	6.1	110	15	FLOOR HEATING	3000	1		
4-5-05	8	45	6.1	110	15	FLOOR HEATING	2250	1		
LEVEL 4 - ZONE 6										
4-6-01	8	45	6.1	110	15	FLOOR HEATING	2700	1		
4-6-02	8	45	6.1	110	15	FLOOR HEATING	2600	1		
4-6-03	8	45	6.1	110	15	FLOOR HEATING	2600	1		
4-6-04	8	45	6.1	110	15	FLOOR HEATING	3000	1		
4-6-05	3	55	5.9	120	20	SNOW MELTING	275	1		
4-6-06	3	55	5.9	120	20	SNOW MELTING	275	1		

NOTE:  
1. BASIS OF DESIGN SHALL BE 5/8" PEX TUBING ON 12" CENTERS MAXIMUM LENGTH 300 FEET PER LOOP FOR FLOOR HEATING AND 5/8" PEX TUBING ON 6" CENTERS MAXIMUM LENGTH 250 FEET PER LOOP FOR SNOW MELTING. LOCATE TUBING IN SLAB PER PLANS. SNOW MELT FLUID SHALL BE 35% PROPYLENE GLYCOL AND 65% WATER. BASIS OF DESIGN IS UPONOR.  
2. PROVIDE & INSTALL MANIFOLD WITH STAINLESS STEEL ENCLOSURE.

DUCTLESS SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE																
UNIT NO.	SERVES	SUPPLY CFM	BTUH	DX COOLING UNIT DATA			REFRIGERANT		ELECTRICAL DATA				MANUFACTURER AND MODEL NO		NOTES	
				LOW AMBIENT	FILTER TYPE	SEER	TYPE	LINE SIZES (IN)		VOLTS	PH	HERTZ	OCP	INDOOR UNIT		OUTDOOR UNIT
								SUCTION	LIQUID							
DSF-1DSC-1	IDF 1512	425	12,000	0°F	THROWAWAY	13.8	R-410A	1/2	1/4	208/230	1	60	15 A	MTSUBISHI ELECTRIC PKA-A12GAL	MTSUBISHI ELECTRIC PLY-A12NHA	1, 2, 3
DSF-2DSC-2	MDF 2618	425	12,000	0°F	THROWAWAY	13.8	R-410A	1/2	1/4	208/230	1	60	15 A	MTSUBISHI ELECTRIC PKA-A12GAL	MTSUBISHI ELECTRIC PLY-A12NHA	1, 2, 3
DSF-3DSC-3	IDF 3508	425	12,000	0°F	THROWAWAY	13.8	R-410A	1/2	1/4	208/230	1	60	15 A	MTSUBISHI ELECTRIC PKA-A12GAL	MTSUBISHI ELECTRIC PLY-A12NHA	1, 2, 3

NOTES:  
1. PROVIDE WITH CONDENSER UNIT WIND BAFFLE. 2. FURNISH LITTLE GRANT CONDENSATE PUMP MODEL NO VCC-22ULS-554200 AND LOCATE BELOW INDOOR UNIT. PIPE DRAIN LINE FROM PUMP DISCHARGE AND ARRANGE TO DISCHARGE PIPE TO NEAREST JAMTORS SINK.  
3. ARRANGE EQUIPMENT AS EMERGENCY BACKUP COOLING SYSTEM WITH A SPACE TEMPERATURE SETPOINT OF 60 DEG F. PROVIDE WIRELESS CONTROLLER.

ELECTRIC WALL HEATER SCHEDULE														
UNIT NO.	LOCATION	OUTPUT BTUH	AIR DATA			ELECTRICAL DATA			MOTOR DATA		MANUFACTURER AND MODEL NUMBER	NOTES		
			CFM	ENT 'F	LVG 'F	WATTS	VOLTS	PHASE	CYCLE	HP			RPM	
EW-1	MAIN ELEC ROOM 1511	6800	100	40	103	2000	208	1	60	0.05	1750	WALL	Q-MARK AWG4408	1
EW-2	GENERATOR ROOM	6800	100	40	103	2000	208	1	60	0.05	1750	WALL	Q-MARK AWG4408	1

NOTES:  
1. FURNISH WITH INTEGRAL CONCEALED THERMOSTAT

HEAT EXCHANGER SCHEDULE												
UNIT NO.	WATER SIDE					WATER/GLYCOL SIDE					MANUFACTURER AND MODEL NO	NOTES
	GPM	EWT	LWT	MBH	MAX PD (FT)	GPM	EWT	LWT	% ANTI-FREEZE	MAX PD (FT)		
HX 1-3-02	23	180	150	308	3	25	100	120	35% PROPYLENE	3	TACO TFP9X12-50 (1-1/4" MPT)	1
HX 1-4-06	23	180	150	308	3	25	100	120	35% PROPYLENE	3	TACO TFP9X12-50 (1-1/4" MPT)	1
HX 2-5-03	7	180	150	100	3	11	100	120	35% PROPYLENE	3	TACO TFP9X12-40 (1-1/4" MPT)	1
HX 2-5-10	3	180	150	50	3	5	100	120	35% PROPYLENE	3	TACO TFP9X12L-8 (3/4" MPT)	1
HX 2-5-11	3	180	150	50	3	5	100	120	35% PROPYLENE	3	TACO TFP9X12L-8 (3/4" MPT)	1
HX 2-5-12	3	180	150	50	3	5	100	120	35% PROPYLENE	3	TACO TFP9X12L-8 (3/4" MPT)	1
HX 2-5-13	14	180	150	203	3	22	100	120	35% PROPYLENE	3	TACO TFP9X12-90 (1-1/4" MPT)	1
HX 4-6-05	4	180	150	55	3	6	100	120	35% PROPYLENE	3	TACO TFP9X12-20 (1" MPT)	1
HX 4-6-06	4	180	150	55	3	6	100	120	35% PROPYLENE	3	TACO TFP9X12-20 (1" MPT)	1

NOTES:  
1. SUPPORT HEAT EXCHANGER FROM UNISTRUT BRACKETS FASTENED TO WALL. COORDINATE EXCHANGER LOCATION WITH OTHER EQUIPMENT FOR EASY MAINTENANCE ACCESS.

**MECHANICAL SCHEDULES**  
SCALE: NOT TO SCALE

**SHEET NOTES**

**GENERAL NOTES**

A SEE SHEET M00.00 FOR LEGEND AND GENERAL NOTES.

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Issue	Date & Issue Description	By	Check
01	01/23/09	PWZ	RHB
02	10/26/09	PWZ	RHB
03	11/12/09	PWZ	RHB
04	09/01/11	PWZ	RHB

Seal/Signature

Project Name  
PWM Terminal Enhancement

Project Number  
00.0395.000

CAD File Name  
T:\6330101\Sheets\M00.32.dwg

Description  
MECHANICAL SCHEDULES

Scale  
1"=1'

**M00.32**

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