VERTICAL FAN–COIL UNIT SCHEDULE/AIR–COOLED CONDENSING UNITS

SYMBOL	SERVICE	SUPPLY FAN			HOT WATER HEATING AT 120°F		DX COOLING COIL (M BTUs)		FIRST CO. UNIT MODEL #	ELECTRICAL		REFRIGERANT	AIR–COOLED CONDENSING UNITS				REMARKS
		CFM	ESP	MOTOR HP	MBH	GPM	TOTAL	SENSIBLE		V	PH		SYMBOL	MODEL #	VOLTS	PHASES	
FC–1	SEE PLANS	615	0.5"	1/3	19.4	3.5	18	12	18 UCQB			SEE MFG	ACCU/FC–1	18WCXAB			WITH PUMP
FC–2	SEE PLANS	730	0.4"	1/3	23.1	3.5	24	17	24 UCQB			SEE MFG	ACCU/FC–2	24WCXAB			WITH PUMP
FC–3	SEE PLANS	920	0.4"	1/2	26.4	3.5	30	21	30 UCQB			SEE MFG	ACCU/FC–3	30WCXAB			WITH PUMP

1. PROVIDE WALL PANEL W/ GRILLE
2. UNITS SHALL BE PROVIDED W/ ALL NECESSARY CONTROLS
3. PROVIDE TWO SETS OF FILTERS
4. PROVIDE THERMOSTATS

MAKE–UP AIR HANDLER

SYMBOL	SERVICE	SUPPLY FAN			ENTER. AIR °F	HOT WATER COIL			GAS	DX COOLING COIL		ENTER. AIR °F	MANUFACTUER MODEL#	MANUFACTURER AIR COOLED COND. UNIT MODEL #	SYMBOL	OUTDOOR AIR TEMP	REMARKS
		CFM	ESP	MOTOR HP		CAPACITY (MBH)	GPM	PRESS DROP FT.	IN/OUT MBH	TOTAL MBH	SENSIBLE MBH						
MAU–1	CORRIDOR	1500	1.4"	1.5	0	142	30	2.9	–	105	69	91/73	CARRIER 39L06	CARRIER 38ARZ012	ACCU/MAU–1	95	R410;SEER 13; PROVIDE THREE–WAY VALVE FOR HOT WATER COIL

EACH MAU SHALL HAVE A SENSOR LOCATED AFTER HEATING COIL. THE SENSOR SHALL CLOSE OUTSIDE AIR INTAKE MOTORIZED DAMPER WHEN SENSING 40°F (ADJUSTABLE)

FAN SCHEDULE

SYMBOL	SERVICE	SP INCHES	RPM	MOTOR HP (WATTS)	CFM	TYPE	MANUFACTURER & MODEL NO.	REMARKS
EF–1	BATHROOMS	0.25	950	(49)	60	CEILING	GREENHECK SP A110	SONES AT 1.6"; OPERATED BY WALL SWITCH; W/ FIRE BLANKET; FLOURESCENT LIGHT
EF–2	GARAGE EXHAUST	0.25	725	1/2	6000	SIDE–WALL	GREENHECK SB1H30–5	SYSTEM OPERATED BY CO DETECTION SYSTEM
EF–3	ELEVATOR MACHINE RM.	–	1500	–	700	WALL		OPERATED BY A THERMOSTAT SET AT 85°F (ADJUSTABLE)
EF–4	TRASH RM.	.375	500	–	500	ROOF		CONSTANT VOLUME

PUMP SCHEDULE

PUMP NO.	LOCATION	SERVICE	TYPE	PUMP CAPACITY				% GLYCOL	ELECTRICAL DATA				MANUFACTURER & MODEL NUMBER	REMARKS
				GPM	HEAD IN FT.	RPM	SHUT OFF FT.		HP	VOLTS	PH	Hz		
P–1	BOILER ROOM	HOTWATER SYSTEM	IN–LINE	30	18	3250	32	0	1/6	115	1	60	TACO / 0013–IFC	–
P–2	BOILER ROOM	HOTWATER SYSTEM	IN–LINE	30	36	1750	40	0	3/4	115	1	60	TACO / 1915	–

CABINET AND UNIT HEATER & BASEBOARD SCHEDULE

UNIT NO	LOCATION	HTG CAP MBH	AIR					ELECTRIC DATA			MANUFACTURER & MODEL NUMBER	REMARKS
			CFM	ENT °F	LVG °F	WATER P.D./FT	GPM	KW	V	PH		
EWH–1	SEE PLANS	13.6	–	60	–	–	–	4.0			QMARK AWH–4000	INTEGRAL THERMOSTAT
EWH–2	SEE PLANS	5.1	–	60	–	–	–	1.5			QMARK AWH–4000	INTEGRAL THERMOSTAT
EWH–3	SEE PLANS	1.7	–	–	–	–	–	0.5			QMARK CRA	INTEGRAL THERMOSTAT
CUH–1	SEE PLANS	22.8	335	180	160	–	2.3	–			AIRTHERM C–1160–03	REMOTE THERMOSTAT
CUH–2	SEE PLANS	29.8	430	180	160	–	3.0	–	115	1	AIRTHERM RC–1200–04	REMOTE THERMOSTAT
CUH–3	SEE PLANS	22.8	335	180	160	–	2.3	–	115	1	AIRTHERM F–1000–03	REMOTE THERMOSTAT

PROVIDE DISCONNECT SWITCH, THERMAL CUTOUT

DIFFUSER, REGISTER & GRILLE SCHEDULE

SYMBOL	DESCRIPTION	FRAME TYPE	MANUFACTURER	MODEL #	SIZE	CFM	REMARKS
SR–1	SUPPLY REGISTER	SURFACE MOUNTED	METALAIRE	V4004D–1	12"x6"	0–300	PROVIDE WITH OPPOSED BLADE DAMPER; FINISH: WHITE
					14"x6"	301–500	
					12"x12"	501–700	
					42"x14"	701–1500	
CD–1	SUPPLY DIFFUSER	SURFACE MOUNTED	NAILOR	4010 AV SM	6"ø	0–150	FIRE–RATED ASSEMBLY; FINISH: WHITE
					8"ø	151–250	
RG–1	RETURN REGISTER	SURFACE MOUNTED	METALAIRE	RH	12"x6"	0–200	WITH OPPOSED BLADE DAMPER; FINISH: WHITE
					14"x8"	201–400	
					30"x14"	401–1600	
					42"x14"	1601–2400	

NOTE:

1. ALL PRODUCTS AS SPECIFIED OR APPROVED EQUAL
2. FIRE–RATED DAMPER & GRILLE INSTALLATION AS PER MANUFACTURER INSTRUCTIONS

BOILER SCHEDULE

BOILER NO.	LOCATION	INPUT BTU	OUTPUT BTU(IBR)	WATER TEMP.		GPM	MANUFACTURER & MODEL NUMBER	REMARKS
				IN	OUT			
B–1	SEE PLAN	199	183	160	180	18	MUNCHKIN 199M	OPERATED BY OUTSIDE AIR SENSO;PROVIDE CONTROLS;PROVIDE V2000 VENT KIT & ALL NECESSARY VENT PIPING;PROVIDE MUNCHKIN NEUTRALIZING FITTING FOR BOILER CONDENSATE DISCHARGE

EXPANSION TANK SCHEDULE

UNIT NO.	LOCATION	SERVICE	SYSTEM TEMP (°F)		TANK PRESSURE RATING(PSI)	TANK ACCEPTANCE VOLUME (GAL)	TANK CAPACITY VOLUME (GAL)	TANK AIR CHARGE (PSIG)	MANUFACTURER MODEL NUMBER (AS STANDARD)	REMARKS
			MIN	MAX						
ET–1	BOILER RM	HOT WATER	50	120	–	19	34	–	TACO CBX 130	30% PROP. GLYCOL

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Mechanical Schedules

Date: 06-19-06

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Scale: None

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