



POWER PAY  
OFFICE FIT UP

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EQUIPMENT  
SCHEDULES

M16

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### B.C. CONTROLLER SCHEDULE

TAG	AIR HANDLERS SERVED	POWER	COOLING KW	HEATING KW	MCA	MAXIMUM BRANCHES	REFRIGERANT TYPE	WEIGHT LBS
BCC-1	50 → 58 & 62	208V-60-3P	0.178	0.860	134	13	R410A	126
BCC-2	1, 2, 3, 4, 5, 44, 45 & 61	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-3	21 → 31	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-4	6, 7, 34 → 36, 41 → 43	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-5	8, 9, 32, 33 & 37 → 40	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-6	13, 14, 18, 22, 23 & 25	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-7	10, 11, 12, 16, 17, 21 & 26	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-8	15, 19, 20, 24 & 46	208V-60-3P	0.112	0.053	0.85	8	R410A	84
BCC-9	47, 48, 44, 54, 60 & 63	208V-60-3P	0.112	0.053	0.85	8	R410A	84

### OUTDOOR UNIT SCHEDULE

TAG	AREA SERVED	NOM. TONS	COOLING *		HEATING **		CONDENSER FAN			CRANKCASE HT'R		ELECTRIC			REFRIGERANT			WEIGHT LBS	REMARKS
			BTU	KW	BTU	KW	QUAN.	CFM	KW	QUAN.	WATTS	POWER	MCA	TYPE	LIQUID	SUCTION			
CCU-1	B.C. CONTROLLER #1	14.0	168,000	14.97	189,000	15.02	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	58	R410A	7/8	1 1/8	1.090	STAND MOUNTED	
CCU-2	B.C. CONTROLLER #2	17.0	204,000	18.71	228,000	18.65	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	72	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-3	B.C. CONTROLLER #3	18.0	216,000	19.42	248,000	21.03	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	77	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-4	B.C. CONTROLLER #4	14.5	234,000	21.62	268,000	23.11	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	83	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-5	B.C. CONTROLLER #5	14.5	234,000	21.62	268,000	23.11	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	83	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-6	B.C. CONTROLLER #6	14.5	234,000	21.62	268,000	23.11	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	83	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-7	B.C. CONTROLLER #7	18.0	216,000	19.42	248,000	21.03	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	77	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-8	B.C. CONTROLLER #8	14.5	234,000	21.62	268,000	23.11	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	83	R410A	1 1/8	1 1/8	1.090	STAND MOUNTED	
CCU-9	B.C. CONTROLLER #9	14.0	168,000	14.97	189,000	15.02	2	14,100	0.38 EA.	2	5T EA.	208V-60-3P	58	R410A	7/8	1 1/8	1.090	STAND MOUNTED	

\* COOLING OPERATING RANGE OF 23 DEG. F. TO 104 DEG. F. \*\* HEATING OPERATING RANGE OF -4 DEG. F. TO 60 DEG. F. CONFIRM REFRIGERANT PIPE SIZING WITH ACTUAL JOB CONDITIONS AND MFR'S RECOMMENDATIONS

### SYMBOLS AND ABBREVIATIONS

ABV	AUTOMATIC BALANCING VALVE	HWR	HOT WATER RETURN	---	WATER SUPPLY PIPING
AC	AIR CONDITIONING	HWS	HOT WATER SUPPLY	---	WATER/CONDENSATE RETURN PIPING
AD	ACCESS DOOR	IER	INVERTED ECCENTRIC REDUCER	---	COLD WATER PIPING
AFF	ABOVE FINISH FLOOR	L	LOUVER	---	REFRIGERANT LIQUID PIPING
AH	AIR HANDLER	LAT	LEAVING AIR TEMPERATURE	---	REFRIGERANT LIQUID PIPING
AP	ACCESS PANEL	LDB	LEAVING DRY BULB	---	REFRIGERANT SUCTION PIPING
APD	AIR PRESSURE DROP	LWB	LEAVING WET BULB	---	EXISTING PIPING
ATC	AUTOMATIC TEMP. CONTROL	MBH	THOUSAND BTU PER HOUR	---	PIPE ANCHOR
AV	AUTOMATIC VENT	MD	MANUAL DAMPER	---	UNION
BCC	BRANCH CIRCUIT CONTROLLER	MOD	MOTOR OPERATED DAMPER	---	FLANGE
BD	BACKDRAFT DAMPER	MV	MANUAL VENT	---	GATE VALVE (NORMALLY OPEN)
BJ	BAR JOIST	NTS	NOT TO SCALE	---	GLOBE VALVE
BV	BALANCING VALVE	OA	OUTDOOR AIR	---	CHECK VALVE
C	CONNECTOR	OD	OUTSIDE DIMENSION	---	BALANCING VALVE
CCU	COMPRESSOR/CONDENSER UNIT	P	PUMP	---	RETURN
CD	CONDENSATE DRAIN	PC	PLUMBING CONTRACTOR	---	RETURN AIR
CFH	CUBIC FEET PER HOUR	PD	PUMP DISCHARGE	---	RETURN/RELIEF GRILLE
CFM	CUBIC FEET PER MINUTE	PF	PADDLE FAN	---	REHEAT COIL
CTE	CONNECT TO EXISTING	PG	PRESSURE GAUGE	---	RETURN IN COVER
CUH	CABINET UNIT HEATER	R	RETURN	---	REFRIGERANT LIQUID
CV	CONTROL VALVE	RA	RETURN AIR	---	REFRIGERANT SUCTION
D	DRAIN	RG	RETURN/RELIEF GRILLE	---	STRAINER
DIC	DOWN IN CORNER/CHASE	RHC	REHEAT COIL	---	INVERTED ECCENTRIC REDUCER
DIFF	DIFFUSER	RIC	RETURN IN COVER	---	THERMOSTAT
DIW	DOWN IN WALL	RIS	RUBBER-IN-SHEAR	---	THERMOSTAT WITH GUARD
DO	DRAW-OFF	RL	REFRIGERANT LIQUID	---	TEMPERATURE SENSOR
DSD	DUCT SMOKE DETECTOR	RS	REFRIGERANT SUCTION	---	THERMOMETER
EAT	ENTERING AIR TEMPERATURE	RR	RETURN REGISTER	---	TEMPERATURE CONTROL
EC	ELECTRICAL CONTRACTOR	S	SUPPLY	---	TEMPERATURE CONTROL PANEL
ECUH	EXISTING CABINET UNIT HEATER	SA	SUPPLY AIR	---	TRANSFER GRILLE
EDB	ENTERING DRY BULB	SC	SITE CONTRACTOR	---	TSP
EF	EXHAUST FAN	SG	SUPPLY GRILLE	---	TSTAT
EFP	EXISTING FINNED PIPE	SP	STATIC PRESSURE	---	TURNING VANE
EG	EXHAUST GRILLE	SR	SUPPLY REGISTER	---	UNDERCUT
ER	EXHAUST REGISTER	SR	SUPPLY REGISTER	---	UNDERGROUND
ESP	EXTERNAL STATIC PRESSURE	T	THERMOMETER	---	UNIT HEATER
ENB	ENTERING WET BULB	TC	TEMPERATURE CONTROL	---	UP IN CHASE
ENT	ENTERING WATER TEMPERATURE	TCP	TEMPERATURE CONTROL PANEL	---	V
FC	FLEXIBLE CONNECTOR	TG	TRANSFER GRILLE	---	VI
FCV	FLOW CONTROL VALVE	TSP	TOTAL STATIC PRESSURE	---	VIBRATION ISOLATOR
FP	FINNED PIPE	TSTAT	THERMOSTAT	---	WATER PRESSURE DROP
FSR	FLOOR SUPPLY REGISTER	TV	TURNING VANE	---	WATER TEMPERATURE DROP
FV	FACE VELOCITY	UG	UNDERCUT	---	
GC	GENERAL CONTRACTOR	UC	UNDERGROUND	---	
GPH	GALLONS PER HOUR	UH	UNIT HEATER	---	
GPM	GALLONS PER MINUTE	UIC	UP IN CHASE	---	
GV	GATE VALVE	V	VENT	---	
HC	HEATING CONTRACTOR	VI	VIBRATION ISOLATOR	---	
HD	HEAVY DUTY	WPD	WATER PRESSURE DROP	---	
HRU	HEAT RECOVERY UNIT	HTD	HEAT RECOVERY UNIT	---	

### AIR TERMINAL SCHEDULE

TAG	SIZE	MAX CFM	MAX NC	MAX SP	REMARKS
D1	6"	155	20	0.05"	6" ROUND IN LAY-IN PANEL
D2	8"	245	20	0.08"	8" ROUND IN LAY-IN PANEL
D3	10"	435	20	0.08"	10" ROUND - SURFACE MOUNT
D4	(3) 3/4" SLT.OTS	155	16	0.040"	2" SLOT DIFFUSER - 6" INLET
D5	(2) 3/4" SLT.OTS	210	22	0.080"	3" SLOT DIFFUSER - 8" INLET
D6	(2) 3/4" SLT.OTS	250	18	0.060"	4" SLOT DIFFUSER - 8" INLET
D7	(3) 3/4" SLT.OTS	310	20	0.060"	4" SLOT DIFFUSER - 10" INLET
ER1	6" x 6"	85	20	0.010"	EXHAUST REGISTER
ER2	8" x 8"	150	20	0.045"	EXHAUST REGISTER
ER3	12"x12"	300	20	0.045"	EXHAUST REGISTER
ER4	18"x12"	450	20	0.045"	EXHAUST REGISTER
ER5	24"x24"	1,000	20	0.025"	EXHAUST REGISTER / LAY-IN FRAME
R61	12" x 12"	300	20	0.040"	FILTERED RETURN GRILLE
R62	24" x 18"	800	20	0.040"	FILTERED RETURN GRILLE / LAY IN FRAME
R63	24" x 24"	1,190	20	0.030"	FILTERED RETURN GRILLE / LAY IN FRAME
RR1	10" x 10"	195	20	0.010"	FILTERED RETURN REGISTER
RR2	20" x 10"	400	20	0.040"	FILTERED RETURN REGISTER
SG1	24" x 8"	1,000	20	0.050"	DOUBLE DEFLECTION SUPPLY GRILLE
SG2	28" x 8"	1,100	20	0.050"	DOUBLE DEFLECTION SUPPLY GRILLE
SR1	12" x 4"	110	15	0.040"	FLOOR SUPPLY REGISTER
SR2	12" x 6"	160	20	0.030"	FLOOR SUPPLY REGISTER
SR3	16" x 6"	245	20	0.040"	FLOOR SUPPLY REGISTER
SR4	24" x 14"	1,310	20	0.040"	DOUBLE DEFLECTION SUPPLY REGISTER
T61	12" x 12"	315	20	0.040"	TRANSFER GRILLE
T62	18" x 12"	500	20	0.040"	TRANSFER GRILLE

### FAN SCHEDULE

TAG	AREA SERVED	TYPE	CFM	SP	SONES	RPM	WATTS	HP	ELECTRIC	WEIGHT	REMARKS
EF-1	114 ELEV. MACHINE	CEILING	140	3/8"	3.7	1,200	95	-----	120V-60-1P	23	OPERATE FROM A.T.C. SYSTEM
PF-1	216 FINANCE	56" PADDLE	27,000	0"	0.0	275	110	-----	120V-60-1P	25	OPERATE FROM A.T.C. SYSTEM
PF-2	216 FINANCE	56" PADDLE	27,000	0"	0.0	275	110	-----	120V-60-1P	25	OPERATE FROM A.T.C. SYSTEM
PF-3	237 CORE	56" PADDLE	27,000	0"	0.0	275	110	-----	120V-60-1P	25	OPERATE FROM A.T.C. SYSTEM
PF-4	216 PROGRAMMING	56" PADDLE	27,000	0"	0.0	275	110	-----	120V-60-1P	25	OPERATE FROM A.T.C. SYSTEM
PF-5	214 PROGRAMMING	56" PADDLE	27,000	0"	0.0	275	110	-----	120V-60-1P	25	OPERATE FROM A.T.C. SYSTEM

### DUCT HEATING COIL SCHEDULE

TAG	TYPE	SIZE	CFM	APD	EAT	LAT	EWT	MBH	GPM	WPD	REMARKS
DHC-01	HOT WATER HEADER TYPE	24" x 18"	1,900	0.11"	50	75	180	51.51	5.00	0.62	FLAGGED DUCT MOUNT
DHC-02	HOT WATER HEADER TYPE	24" x 18"	1,900	0.11"	50	75	180	51.51	5.00	0.62	FLAGGED DUCT MOUNT

### AIR HANDLER SCHEDULE

TAG	AREA SERVED	NOM. TONS	CFM	FAN KW	ELECTRIC		COOLING *		HEATING **		REFRIGERANT			WEIGHT LBS	REMARKS
					POWER	MCA	BTU	KW	BTU	KW	TYPE	LIQUID	GAS		
AH-01	101 CONFERENCE	2.50	740	0.10	230V-60-1P	1.34	30,000	0.021	34,000	0.210	R410A	3/8	5/8	86	HORIZONTAL DUCTED
AH-02	102 CONFERENCE	2.50	740	0.10	230V-60-1P	1.34	30,000	0.021	34,000	0.210	R410A	3/8	5/8	86	HORIZONTAL DUCTED
AH-03	103 CONFERENCE	3.00	980	0.14	230V-60-1P	1.85	36,000	0.240	40,000	0.240	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-04	104 CONFERENCE	1.50	490	0.04	230V-60-1P	0.91	18,000	0.150	20,000	0.150	R410A	1/4	1/2	75	HORIZONTAL DUCTED
AH-05	106 CORRIDOR	0.50	300	0.08	230V-60-1P	0.77	6,000	0.120	6,700	0.012	R410A	1/4	1/2	57	HORIZONTAL DUCTED
AH-06	113 HALL	0.50	300	0.08	230V-60-1P	0.77	6,000	0.120	6,700	0.012	R410A	1/4	1/2	57	HORIZONTAL DUCTED
AH-07	115 & 116 MANAGERS	0.50	300	0.08	230V-60-1P	0.77	6,000	0.120	6,700	0.012	R410A	1/4	1/2	57	HORIZONTAL DUCTED
AH-08	117, 118 & 119 MANAGERS	0.67	300	0.08	230V-60-1P	0.77	6,000	0.120	6,700	0.012	R410A	1/4	1/2	57	HORIZONTAL DUCTED
AH-09	122 COPY & 148 STORAGE	1.25	480	0.09	230V-60-1P	0.91	15,000	0.150	17,000	0.150	R410A	1/4	1/2	71	HORIZONTAL DUCTED
AH-10	150 MANAGER	0.50	300	0.08	230V-60-1P	0.77	6,000	0.120	6,700	0.012	R410A	1/4	1/2	57	HORIZONTAL DUCTED
AH-11	151 - 154 MANAGERS	2.00	620	0.10	230V-60-1P	1.04	24,000	0.170	27,000	0.170	R410A	3/8	5/8	86	HORIZONTAL DUCTED
AH-12	124 OPERATIONS	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-13	124 OPERATIONS	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-14	124 OPERATIONS	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-15	124 OPERATIONS	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-16	218 PROGRAMMING	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-17	218 PROGRAMMING	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-18	214 PROGRAMMING	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH-19	214 PROGRAMMING	4.00	1,100	0.19	230V-60-1P	2.44	48,000	0.340	54,000	0.340	R410A	3/8	5/8	115	HORIZONTAL DUCTED
AH															