ROOFTOP AIR RELIEF HOOD SCHEDULE

HOOD #	DAMPER SIZE	CFM	AIR PD(a)	MAX. WEIGHT #	MANUFACTURER AND MODEL	REMARKS
RH-1	16x24	500	.01	150	GREENHECK FGR	1 2 3 4 5

(a) INCHES WG

1. ROOFCURB
2. BIRDSCREEN
3. BACKDRAFT DAMPER
4. SEE ROOF PLAN FOR ADDITIONAL CURB REQUIREMENT.
5. HOOD AND CURB TO BE POWDER COATED A CUSTOM COLOR

S3006B

ROOFTOP AIR INTAKE HOOD SCHEDULE

HOOD #	DAMPER SIZE	CFM	AIR PD(a)	INTERLOCK	MAX. WEIGHT #	MANUFACTURER AND MODEL	REMARKS
IH-1	30x30	1275	.01	SF-1	150	GREENHECK FGI	1 2 3 4 5

(a) INCHES WG

1. ROOFCURB
2. MOTORIZED OA DAMPER
3. BIRDSCREEN
4. SEE ROOF PLAN FOR ADDITIONAL CURB REQUIREMENT.
5. HOOD AND CURB TO BE POWDER COATED A CUSTOM COLOR

SIDEWALL AIR DISTRIBUTION SCHEDULE (b)

SYMBOL	CFM (c)	SIZE	LOUVER BLADES (a) FIXED HORIZ.	FIXED VERT.	SINGLE (f) DEFLECT. VERT.	SINGLE (f) DEFLECT. HORIZ.	DOUBLE DEFLECT.	ANGLE	SPACING	NC (d)	PD (e)	REMARKS
1 CFM	0-99	6x6	X					45	3/4"	< 25	< 0.08	1 2
2 CFM	100-199	8x8	X					45	3/4"	< 25	< 0.08	1 2
3 CFM	400-499	14x12						45	3/4"	< 25	< 0.08	1 2

(a) LOUVER BLADE TYPE WITH OPPOSED BLADE DAMPER

(b) GRILLES SHALL BE:
1. SUPPLY: PRICE 500/600 SERIES
2. RETURN/EXHAUST: PRICE 500/600 SERIES
3. WATER RETURN GRILLE: PRICE
4. FINISH: WHITE

(c) CFM IS FOR GUIDELINE INFORMATION ONLY. SOME GRILLES MAY BE SIZED LARGER.

(d) NC BASED ROOM ATTENUATION (RE: 10^{-12} WATTS)

(e) TOTAL PRESSURE (IN.WG)

(f) ADJUSTABLE BLADES

1. 1" FLAT FRAME
2. DUCT MOUNTED GRILLES SHALL HAVE DUCT COLLAR SAME SIZE AS GRILLE (INCLUDING FLANGE).

S3400C

CEILING UNIT HEATER SCHEDULE

HEATER #	CFM	KW	MAX WEIGHT #	ELECT VOLT/PH	MANUFACTURER AND MODEL	REMARKS
CUH-1	425	3	75	208/1	MARKEL 3400	1 2 3

1. DISCONNECT
2. RECESSED
3. FLAT PLATE SENSOR

S3115

ELECTRIC UNIT HEATER SCHEDULE

HEATER #	LOCATION	CFM	KW	MTG HEIGHT (a)	MAX WEIGHT #	HP	ELECT VOLT/PH	MANUFACTURER AND MODEL	REMARKS
UH-4	RISER ROOM 2181	400	3.3				208/1	MARKEL 5100	1 2 3 4

(a) FEET AFF TO BOTTOM OF UNIT

1. VERTICAL
2. BUILT IN T'STAT
3. DISCONNECT SWITCH
4. WALL BRACKET

S3108B

FAN SCHEDULE

FAN #	LOCATION	SERVICE	CFM	ESP	MAX. HP	RPM	MAX. * SONES	MAX. WEIGHT #	ELECT VOLT / PH	CONTROL	MANUFACTURER AND MODEL	REMARKS
EF-2	CLASSROOM B112	BUILDING 1 TOILETS	500	.5	1/10	1601	8.4	100	115/1	BACS	GREENHECK SQ-095-VG	3 6 8 10 12
EF-7	KILN E2129B	KILN C106C	800	.25	1/6	1665	9.9	100	115/1	13 BACS/T-STAT	GREENHECK SQ-95-VG	3 6 8 10 12
EF-8	ROOF	2ND FLR GROUP TLT	1000	.375	1/4	1576	11.5	100	115/1	BACS	GREENHECK G-099-VG	1 6 8 9 10 11
EF-9	ROOF	JANITOR ROOMS/TLT	300	.5	1/10	1679	8.3	100	115/1	BACS	GREENHECK G-080-VG	1 6 8 9 10 11
EF-10	SPECIAL ED A111	1ST FLOOR TOILETS	1100	.5	1/4	1611	9.7	100	115/1	BACS	GREENHECK SQ-100-VG	3 6 8 10 12
EF-11	CORRIDOR A171	1ST FLOOR TOILETS	200	.5	1/10	1567	7.5	100	115/1	BACS	GREENHECK SQ-80-VG	3 6 8 10 12
SF-1	CLASSROOM B110	BUILDING 1	1275	.5	1/2	1414	9.1	100	115/1	BACS	GREENHECK SQ-120-VG	3 6 8 10 12
TF-1	SP. ED CLASSROOM A113	COMM A119B	300	.25	1/10	1183	4.8	100	115/1	T-STAT	GREENHECK SQ-90-VG	3 6 8 10 12
TF-2	4TH GR. CLASSRM. A213	COMM A221B	300	.25	1/10	1183	4.8	100	115/1	T-STAT	GREENHECK SQ-90-VG	3 6 8 10 12
TF-3	MEDIA CENTER B104	IT B108	300	.25	1/10	1183	4.8	100	115/1	T-STAT	GREENHECK SQ-90-VG	3 6 8 10 12

* SOUND LEVEL DOES NOT INCLUDE ANY UNIT ACOUSTICAL OPTIONS

1. ROOFTOP FAN
2. UPBLAST FAN
3. INLINE FAN
4. CEILING CENTRIFUGAL FAN
5. SIDEWALL FAN
6. DIRECT DRIVE
7. BELT DRIVE
8. BACKDRAFT DAMPER
9. BIRDSCREEN
10. FACTORY DISCONNECT SWITCH
11. ROOFCURB
12. ECM TYPE MOTOR WITH MOUNTED SPEED DIAL
13. SEE SEQUENCE IN SPECIFICATIONS

S3201

ROOFTOP Dx VARIABLE AIR VOLUME AIR HANDLER UNIT SCHEDULE

ROOFTOP VAV #	LOCATION	EXT * SP(a)	CFM TOT	CFM MIN	CFM OA	FANS OUTDOOR NO	FANS OUTDOOR FLA	FANS INDOOR NO	FANS INDOOR HP	COMPRESSOR NO	COMPRESSOR RLA	ELECTRIC HEAT STAGES	ELECTRIC HEAT KW	ELECTRIC HEAT VOLT/PH	COOLING COIL CAPACITY MBH (NET) TOT	MBH (NET) SENS	OUTDOOR DB T	ENT AIR DB	ENT AIR WB	LVG AIR DB	LVG AIR WB	EER(b)	MAX. WEIGHT #	ELECTRIC CIRCUIT #1 MCA	CIRCUIT #1 MOCP	CIRCUIT #2 MCA	CIRCUIT #2 MOCP	VOLT/PH	MANUFACTURER AND MODEL	REMARKS
AHU-4	ROOF	2.0	11000	4920	1700	2	5.6/5.4	2	5 EA	2	51.4/60.5	4	60	208/3	348.1	249.1	95	75.6	63.9	55.3	53.3	11.0	7000	190.0	250	124.9	175	208/3	TRANE INTELLIPAK RE30	1 2 3 4 5 6 7 8 9 10 11 12
AHU-5	ROOF	2.5	13000	5040	2300	4	2x5.4,2x5.6	2	5 EA	4	35.5 EA	4	60	208/3	452.6	318.4	95	76.1	64.4	54.2	52.7	11.0	8800	224.9	250	124.9	175	208/3	TRANE INTELLIPAK RE40	1 2 3 4 5 6 7 8 9 10 11 12

* ESP INCLUDES DUCT, GRILLES, AND LOADED FILTERS (a) INCHES WG (b) ARI CONDITIONS

1. ROOFTOP CURB
2. DOWN DISHCHARGE
3. STAGE HEATER
4. FAN VFD'S
5. DIGITAL SCROLL OR INVERTER COMPRESSORS
6. DISCONNECT SWITCH
7. TWO POINT POWER CONNECTION
8. NON-POWERED GFI RECEPTACLE
9. MOUNTED OA DAMPER
10. BIPOLAR IONIZATION
11. BYPASS DAMPER AT HEATER IF REQUIRED
12. OUTSIDE AIR ARMS MOUNTED IN UNIT

8/14

S3255

WATER SOURCE HEAT PUMP SCHEDULE

HEAT PUMP #	EXT * SP(a)	CFM TOT	CFM OA	RUNOUT SIZE(c)	FAN MAX BHP	FAN MAX HP	COMPRESSOR NO	COMPRESSOR RLA	LOOP WATER GPM	LOOP WATER PD(b)	COOLING COIL CAPACITY (NET) ENT AIR DB T	ENT AIR WB T	LVG AIR DB T	LVG AIR WB T	WATER ENT T	WATER LVG T	KW INPUT	MBH (NET) TOT	MBH (NET) SENS	TOTAL HTG REJ	HEATING CAPACITY (NET) AIR ENT T	AIR LVG T	WATER ENT T	WATER LVG T	KW INPUT	TOTAL MBH	HEAT OF ABSORB	MAX. WEIGHT #	EFFICIENCY EER	EFFICIENCY COP	ELECTRIC MCA	ELECTRIC MOCP	ELECTRIC VOLT/PH	MANUFACTURER AND MODEL	REMARKS
HP-16	.5	1150	175	1	-	1/2	1	10.4	10.5	6.7	77.9	63.7	54.7	48.6	85	93.8	2.0	38.1	28.0	46.0	68	101.3	70	61.9	2.4	50.4	42.3	500	18.6	6.2	17.7	25	208/3	CLIMATEMASTER TS-042	1 3 5 6 7
HP-17	.5	2075	275	1	-	1	1	16.0	15.0	9.5	77.8	65.5	54.5	49.1	85	95.7	4.0	67.0	51.7	80.3	68	103.9	70	61.3	4.2	79.4	65.2	500	16.8	5.6	26.9	40	208/3	CLIMATEMASTER TS-060	1 3 5 6 7
HP-18	.5	640	50	3/4	-	1/2	1	9	3.8	2.1	74.9	63.2	51.9	46.7	85	95	1.3	17.9	15.7	22.6	68	102.6	70	59.6	1.2	23.6	19.4	350	13.3	5.6	13.1	20	208/3	CLIMATEMASTER TS-018	1 4 6 7
HP-19	.5	2075	275	1	-	1	1	16.0	15.0	9.5	77.8	65.5	54.5	49.1	85	95.7	4.0	67.0	51.7	80.3	68	103.9	70	61.3	4.2	79.4	65.2	500	16.8	5.6	26.9	40	208/3	CLIMATEMASTER TS-060	1 3 5 6 7
HP-20	.5	640	50	3/4	-	1/2	1	9	3.8	2.1	74.9	63.2	51.9	46.7	85	95	1.3	17.9	15.7	22.6	68	102.6	70	59.6	1.2	23.6	19.4	350	13.3	5.6	13.1	20	208/3	CLIMATEMASTER TS-018	1 4 6 7

* DUCT, GRILLES AND LOADED FILTER (a) INCHES WG (b) FEET WG (c) INCHES

1. PROVIDE START CAPACITOR FOR SINGLE PHASE UNITS
2. DIRECT DRIVE
3. VERTICAL UNIT
4. HORIZONTAL CONCEALED UNIT
5. ECM MOTOR
6. BIPOLAR IONIZATION (DUCT MOUNTED)
7. HOT WATER REHEAT COIL

1/14

S3258

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