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SEAL

Joseph H. Griner III, P.E. FL. 39491

SCALE: N.T.S

MECHANICAL SCHEDULES

SHEET NUMBER

M-5.2

X OF X



KITCHEN HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	TYPE	CLASSIFICATION	DIMENSIONS			EXHAUST			SUPPLY			FILTER(S)			LIGHT(S)			UTILITY CABINETS			FIRE SYSTEM PIPING	HOOD WEIGHT				
					LENGTH	WIDTH	DEPTH	CFM	# OF CONN.	CONN. SIZE	CFM	# OF CONN.	CONN. SIZE	TYPE	QTY	HEIGHT	LENGTH	QTY	TYPE	WIRE GUARD	LOCATION	FIRE SYSTEM TYPE			SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	LOCATION
HOOD	CAPTIVEAIRE	5424 ND-2-PSP-F	WALL MOUNTED CANOPY	TYPE 1	72	4'-6"	-	1050	1	10"	875	2	26X8	ALUMINUM BAFFLE WITH HANDLES	2	20	16	2	L55 SERIES E26	NO	LEFT	ANSUL R-102	-	SC-111110 FP	1 LIGHT 1 FAN	OUTSIDE	YES	500 LBS.

NOTES:
 1. FURNISH WITH FACTORY INSTALLED PRE-PACKAGED UL300 COMPLIANT ANSUL FIRE SUPPRESSION SYSTEM. AGENT TANK AND ACCESSORIES SHALL BE LOCATED IN AN ENCLOSURE AT THE END OF THE HOOD.

FAN SCHEDULE

MARK	EF-1	EF-2	EF-3	EF-4	EF-5	EF-6	EF-7	EF-8	EF-9	EF-10
AREA SERVED	116 BATHROOM	118 BATHROOM	105 BATHROOM	117 BATHROOM	106 BUNKER ROOM	113 APPARATUS BAY	113 APPARATUS BAY	NOT USED	123 BATHROOM	124 BATHROOM
SERVICE	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST	EXHAUST		EXHAUST	EXHAUST
MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK		GREENHECK	GREENHECK
MODEL	SP-B80	SP-B80	SP-B80	SP-A290	SP-A190	BSQ-240-50	BSQ-240-50		SP-B80	SP-B80
AIR QUANTITY	CFM 50	CFM 50	CFM 50	CFM 200	CFM 100	CFM 10,000	CFM 10,000		CFM 50	CFM 80
EXT. STATIC PRESSURE	IN. H ₂ O 0.4	IN. H ₂ O 0.4	IN. H ₂ O 0.4	IN. H ₂ O 0.35	IN. H ₂ O 0.35	IN. H ₂ O 0.75	IN. H ₂ O 0.75		IN. H ₂ O 0.4	IN. H ₂ O 0.4
FAN SPEED	RPM 819	RPM 819	RPM 819	RPM 946	RPM 100	RPM 1128	RPM 1128		RPM 819	RPM 819
DRIVE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	BELT	BELT		DIRECT	DIRECT
SONES	3.2	3.2	3.2	2.8	2.4	30	30		54 W	54 W
MOTOR	HP OR W 54 W	HP OR W 54 W	HP OR W 54 W	HP OR W 81 W	HP OR W 113 W	HP OR W 3.84	HP OR W 3.84		HP OR W 54 W	HP OR W 54 W
ELECTRICAL	V/φ/HZ 115/1/60	V/φ/HZ 115/1/60	V/φ/HZ 115/1/60	V/φ/HZ 115/1/60	V/φ/HZ 115/1/60	V/φ/HZ 208/3/60	V/φ/HZ 208/3/60		V/φ/HZ 115/1/60	V/φ/HZ 115/1/60
NOTES	1, 2, 3, 4, 5, 9	1, 2, 3, 4, 5, 9	1, 2, 3, 4, 5, 9	1, 2, 3, 4, 5, 9	2, 3, 4, 5, 9	2, 3, 4, 5, 6, 9	2, 3, 7, 8		2, 3, 7, 10, 11, 12, 13, 14,	3, 4, 5, 9

NOTES:
 1. INTERLOCKED WITH LIGHT SWITCH.
 2. FURNISH WITH INTERNAL OVERLOAD PROTECTION.
 3. FURNISH WITH INTEGRAL DISCONNECT MEANS (TOGGLE SWITCH OR CORD AND PLUG).
 4. FURNISH WITH INTEGRAL SOLID STATE FAN SPEED CONTROLLER.
 5. FURNISH WITH INTEGRAL BACKDRAFT DAMPER.
 6. CONTINUOUS FAN OPERATION.
 7. ALL 24 VOLT WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.
 8. INTERLOCK WITH THERMOSTAT.
 9. PROVIDE MANUFACTURER'S PITCHED ROOF CAP.
 10. EXHAUST FAN SEQUENCE TO START UPON CARBON MONOXIDE SENSOR READ 8PPM (ADJUSTABLE) OR THE OPENING OR CLOSING OF ANY OVERHEAD DOORS. OVERHEAD DOOR SWITCHED SHALL INDICATE TRAVEL BEYOND 2 INCHES IN AN OPEN OR CLOSED POSITION.
 11. EXHAUST FANS ARE ON A OFF DELAY TIM SEQUENCE OF 15 MINUTES (ADJUSTABLE).
 12. ONCE CARBON MONOXIDE LEVELS DROP BELOW 8PPM, EXHAUST FANS WILL RUN FOR AN ADDITIONAL 15 MINUTES (ADJUSTABLE) AND THEN TURN OFF.
 13. IF CARBON MONOXIDE SENSORS READ BELOW 25PPM (ADJUSTABLE), AUDIBLE AND VISUAL ALARMS WILL BE ACTIVATED.
 14. PROVIDE A TIMED OVERRIDE SWITCH TO OPERATE EXHAUST FANS ON DEMAND.

HOOD FAN SCHEDULE

MARK	HEF-1	HSF-1
SERVICE	EXHAUST	INTAKE
MANUFACTURER	CAPTIVEAIRE	CAPTIVEAIRE
MODEL	DU50HFA	INLINE1L-G10
AIR QUANTITY	CFM 1050	CFM 875
EXT. STATIC PRESSURE	IN. H ₂ O 1	IN. H ₂ O 0.5
FAN SPEED	RPM 1483	RPM 752
DRIVE	BELT	BELT
SONES	-	-
MOTOR	HP OR W 0.5 HP	HP OR W 0.5 HP
ELECTRICAL	V/φ/HZ 115/1/60	V/φ/HZ 115/1/60
NOTES	1, 2, 3, 4, 5	2, 3, 7, 8

NOTES:
 1. INTERLOCKED WITH HOOD.
 2. FURNISH WITH INTERNAL OVERLOAD PROTECTION.
 3. FURNISH WITH INTEGRAL DISCONNECT MEANS (TOGGLE SWITCH OR CORD AND PLUG).
 4. FURNISH WITH INTEGRAL BACKDRAFT DAMPER.
 5. ALL 24 VOLT WIRING SHALL BE PROVIDED BY MECHANICAL CONTRACTOR.

LOUVER SCHEDULE

UNIT NUMBER	L-1	L-2	L-3	L-4
SERVICE	O.A. INTAKE	NOT USED	EXHAUST	O.A. INTAKE
MANUFACTURER	GREENHECK		GREENHECK	GREENHECK
MODEL	EVH-501D		EVH-501D	EVH-501D
FLORIDA PRODUCT APPROVAL No.	FL19277.1		FL19277.1	FL19277.1
MIAMI-DADE NOA No.	15-4015.05		15-4015.05	15-4015.05
MATERIAL	ALUMINUM		ALUMINUM	ALUMINUM
FRAME	FLANGED		FLANGED	FLANGED
AIR QUANTITY	CFM 475		CFM 6000	CFM 10,000
WIDTH	INCHES 36		INCHES 18	INCHES 96
HEIGHT	INCHES 12		INCHES 104	INCHES 72
FREE AREA	FT ² 0.91		FT ² 6.19	FT ² 28.54
NOTES	ALL		ALL	ALL

NOTES:
 1. PROVIDE WITH ALUMINUM BIRD & INSECT SCREENS.
 2. COORDINATE COLOR WITH ARCHITECT.

VENTILATOR SCHEDULE

UNIT NUMBER	GRSI-1	GRSR-1
SERVICE	KITCHEN HOOD	EQUIPMENT BAY
AIR QUANTITY	CFM 1260	CFM 10000
STATIC PRESSURE	IN. H ₂ O 0.016	IN. H ₂ O 0.104
THROAT AREA	FT ² 5.03	FT ² 12.83
THROAT VELOCITY	FPM 250.0	FPM 779.4
ROOF OPENING	INCHES 32.5x32.5	INCHES 50.5x50.5
MANUFACTURER	GREENHECK	GREENHECK
MODEL	GRSI 30	GRSR 48
NOTES	ALL	ALL

NOTES:
 1. PROVIDE WITH ALUMINUM BIRDSCREEN.
 2. FURNISH WITH 14-INCH HIGH (MIN.) ROOF CURB WHILE MAINTAINING A MIN. OF 8-INCH CLEARANCE BETWEEN BASE OF UNIT AND FINISHED ROOF SURFACE.

Order Plans @ WWW.WW...@

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