HOOD INFORMATION – JOB#67017720

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	HOOD CONFIG ROW
1	KH-1	4824 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	1	MEDIUM	188	750			4"	10"	750	1375	-0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE
2	KH-2	4824 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	1	MEDIUM	188	750			4"	10"	750	1375	-0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE
3	KH-3	6024 ND-2-PSP-T	CAPTIVEAIRE	12' 0"	450 DEG	1	MEDIUM	200	2400			4"	16"	2400	1719	-1.062"	2050	430 SS WHERE EXPOSED	ALONE	ALONE
4	KH-4	6024 ND-2-PSP-T	CAPTIVEAIRE	12' 0"	450 DEG	1	MEDIUM	200	2400			4"	16"	2400	1719	-1.062"	2050	430 SS WHERE EXPOSED	ALONE	ALONE
5	KH-5	4824 ND-2	CAPTIVEAIRE	4' 0"	450 DEG	1	MEDIUM	188	750			4"	10"	750	1375	-0.510"	0	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) FIRE SYSTEM LOCATION	SIZE	ELECTRICAL TYPE	ELECTRICAL SIZE	SWITCHES MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	KH-1	CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO	RIGHT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	544 LBS
2	KH-2	CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO	LEFT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	YES	544 LBS
3	KH-3	CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1100 LBS
4	KH-4	CAPTRATE SOLO FILTER	9	16"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1100 LBS
5	KH-5	CAPTRATE SOLO FILTER	2	16"	20"	85% SEE FILTER SPEC	1	RECESSED ROUND	NO							YES	334 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	KH-1	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.
		RISER SENSOR INSTALL 61N PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
2	KH-2	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.
		RISER SENSOR INSTALL 61N PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
3	KH-3	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
4	KH-4	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 156.00" LONG 430 SS VERTICAL.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
5	KH-5	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 80.00" HIGH X 48.00" LONG 430 SS VERTICAL.
		RISER SENSOR INSTALL 61N PLEN.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	PDS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
3	KH-3	Front	156"	14"	6"	MUA	10"	28"		683	0.212"
						MUA	10"	28"		683	0.212"
						MUA	10"	28"		683	0.212"
4	KH-4	Front	156"	14"	6"	MUA	10"	28"		683	0.212"
						MUA	10"	28"		683	0.212"
						MUA	10"	28"		683	0.212"

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
5	WALL MNT	12"x48"x24"	TANK FS	4.0	SC-110110MA	1 LIGHT 1 FAN	240.00 LBS

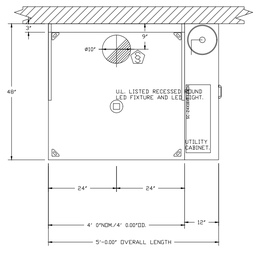
FIRE SYSTEM INFORMATION – JOB#67017720

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION SYSTEM	INSTALLATION LOCATION ON HOOD
1	FS-1	TANK FS	4.0	20	18	FIRE CABINET RIGHT	RIGHT, HOOD 1
2	FS-2	TANK FS	4.0	20	18	FIRE CABINET LEFT	LEFT, HOOD 2
3	FS-3	TANK FS	4.0/4.0	40	37	FIRE CABINET RIGHT	RIGHT, HOOD 3
4	FS-4	TANK FS	4.0/4.0	40	37	FIRE CABINET LEFT	LEFT, HOOD 4
5	FS-5	TANK FS	4.0	20	18	WALL UTILITY CABINET LEFT	N/A

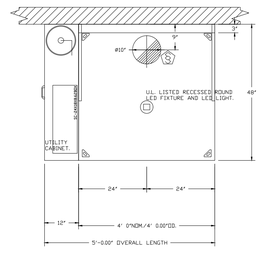
GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1	FS-1	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS
2	FS-2	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS
3	FS-3	SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS
4	FS-4	SC ELECTRICAL	1.250	CAPTIVEAIRE SYSTEMS
5	FS-5	SC ELECTRICAL	1.000	CAPTIVEAIRE SYSTEMS

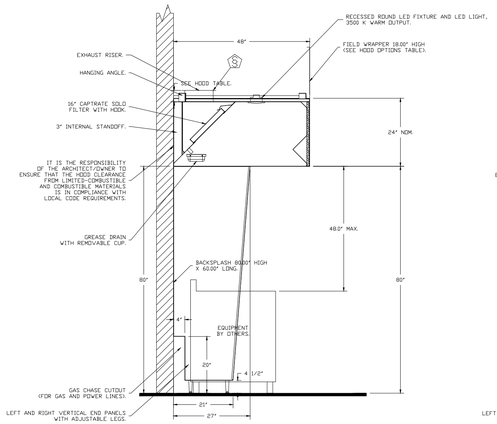
FOR QUESTIONS, CALL THE
N. NJ & S. NY
REGION 69
PHONE: (201) 669 - 4982
EMAIL: reg69@captiveaire.com



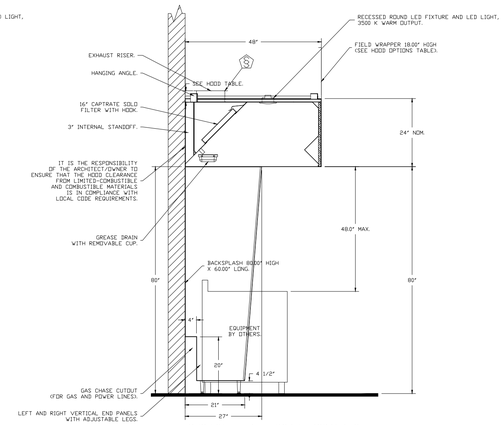
PLAN VIEW – HOOD #1 (KH-1)
4' 0.00" LONG 4824ND-2



PLAN VIEW – HOOD #2 (KH-2)
4' 0.00" LONG 4824ND-2



SECTION VIEW – MODEL 4824ND-2
HOOD – #1 (KH-1)



SECTION VIEW – MODEL 4824ND-2
HOOD – #2 (KH-2)

SPECIFICATION: CAPTRATE GREASE-STOP SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

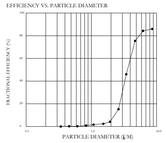
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

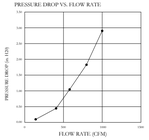
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER

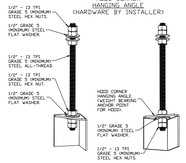


PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

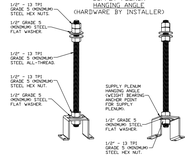
HOOD CORNER HANGING ANGLE (HARDWARE BY INSTALLER)



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

SUPPLY PLENUM HANGING ANGLE (HARDWARE BY INSTALLER)



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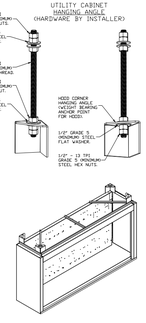
WALL-MOUNT UTILITY CABINET ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH UTILITY CABINET HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.

CABINET TO BE HUNG BY HOOD INSTALLER. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.

UTILITY CABINET HANGING ANGLE (HARDWARE BY INSTALLER)



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- Rutherford, NJ, 07070 PHONE: (201) 669 - 4982 FAX: 9197470924 EMAIL: rsg@@econair.com

REVISIONS

	DESCRIPTION	DATE
△		
△		
△		
△		

Peekskill Firehouse Kitchen Incubator R2
701 Washington Street,
Peekskill, NY, 10566

DATE: 7/30/2024
DWG.#: 6784502
DRAWN BY: billy.gost
SCALE: N.T.S.
MASTER DRAWING

SHEET NO. 1

JTA
JOSEPH THOMPSON ARCHITECT
Joseph G. Thompson Architect, PLLC
108 N Division Street, Ste 100
Peekskill, New York 10566
PH: (845)532-8156
EM: joe@jthompsonarch.com

NOTES:

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT OR ENGINEER, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ARCHITECT OR ENGINEER IS ALTERED, THE ALTERING ARCHITECT OR ENGINEER SHALL AFFIX TO HIS ITEM THE SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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SEAL
ERIC D. FELLENZER, P.E.
NY PROFESSIONAL ENGINEER
NO. 073084-1
ISSUED 1995 EXP. 8/25

PEEKSKILL FIREHOUSE KITCHEN INCUBATOR

City of Peekskill (Owner)
701 Washington Street
Peekskill, New York 10566
S-B-L: 32.20-9-1
City of Peekskill - Westchester County

DRAFT CONSTRUCTION DOCUMENT - NOT FOR PERMIT OR CONSTRUCTION

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181 Church St., Suite 100,
Poughkeepsie, NY 12601
t 845-454-9704 fx 855-320-8735

DESIGNED BY:	DRAWN BY:	APPROVED BY:	FE PROJECT #:
RW	JCL	EDF	23-369

⅛" ¼" ½" 0 1" 2"
REFERENCE SCALE

Date: September 17, 2024
Revisions:

H4.01