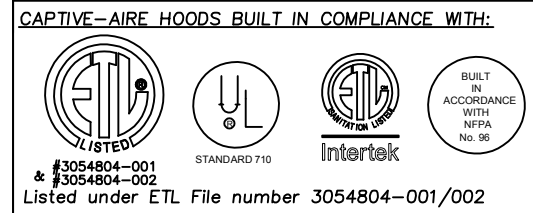


ETL HOOD LISTING DETAIL									
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EXHAUST CFM = LENGTH OF HOOD X CFM/LINFT. (LOAD)
 SUPPLY CFM = EXHAUST CFM X PERCENTAGE REQUIRED
 TOTAL DUCT AREA (sq. in.) = $144 \times \frac{\text{CFM}}{\text{FPM}^*}$
 DUCT LENGTH = $\frac{\text{TOTAL DUCT AREA}}{\text{DUCT WIDTH}}$
 *CAPTIVE/VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM.

CALCULATIONS UTILIZED



BUILDING CODES

CAPTIVE-AIR HOODS HAVE OPTIONAL CLEARANCE
REDUCTION SYSTEMS AVAILABLE AS FOLLOWS:

<u>MATERIAL</u>	<u>CLEARANCE REDUCTION SYSTEM</u>
NON-COMBUSTIBLE	NONE REQUIRED
LIMITED-COMBUSTIBLE	3" UNINSULATED STANDOFF
COMBUSTIBLE	1" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

INSTALLATION

- | | |
|-----|---|
| 1. | ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED DISCONNECTIONS BY ELECTRICAL CONTRACTORS. |
| 2. | ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS. |
| 3. | HANGING BRACKETS LOOSELY AND/OR WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTOR. |
| 4. | ALL CONNECTIONS FROM OPTIMIZE HOOD PER MECHANICAL CONTRACTOR'S PLANS. |
| 5. | COOKING EQUIPMENT TO SHUT OFF IN EVENT OF FIRE. |
| 6. | EXHAUST FANS TO TURN ON IN EVENT OF FIRE. |
| 7. | ALL LIGHT FIXTURES TO BE INSTALLED AS SHOWN. IF FACTORY PREWIRED, INTERCONNECTIONS BETWEEN FIXTURES TO SWITCH BY INSTALLING CONTRACTOR. |
| 8. | LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTOR. |
| 9. | SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR. |
| 10. | INSTALLING CONTRACTOR ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON PLANS. CONTRACTOR TO BE RESPONSIBLE FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF SHOP REQUIREMENTS. CONTRACTOR TO BE RESPONSIBLE FOR RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN. |

BALANCE

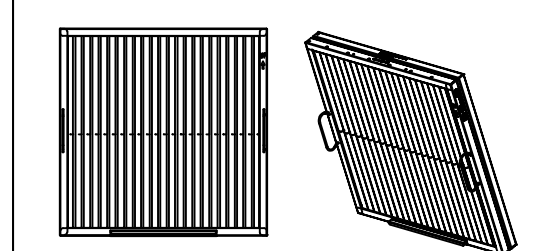
11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
12. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

ADDITIONAL

15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES

FILTER COLLECTION EFFICIENCY	
Filter	Efficiency, %
1	99.99
2	99.99
3	99.99
4	99.99
5	99.99
6	99.99
7	99.99
8	99.99
9	99.99
10	99.99
11	99.99
12	99.99
13	99.99
14	99.99
15	99.99
16	99.99
17	99.99
18	99.99
19	99.99
20	99.99
21	99.99
22	99.99
23	99.99
24	99.99
25	99.99
26	99.99
27	99.99
28	99.99
29	99.99
30	99.99
31	99.99
32	99.99
33	99.99
34	99.99
35	99.99
36	99.99
37	99.99
38	99.99
39	99.99
40	99.99
41	99.99
42	99.99
43	99.99
44	99.99
45	99.99
46	99.99
47	99.99
48	99.99
49	99.99
50	99.99
51	99.99
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59	99.99
60	99.99
61	99.99
62	99.99
63	99.99
64	99.99
65	99.99
66	99.99
67	99.99
68	99.99
69	99.99
70	99.99
71	99.99
72	99.99
73	99.99
74	99.99
75	99.99
76	99.99
77	99.99
78	99.99
79	99.99
80	99.99
81	99.99
82	99.99
83	99.99
84	99.99
85	99.99
86	99.99
87	99.99
88	99.99
89	99.99
90	99.99
91	99.99
92	99.99
93	99.99
94	99.99
95	99.99
96	99.99
97	99.99
98	99.99
99	99.99
100	99.99



CaptiveAire Captrate Solo Filter
ETL Listed Grease Extracting Filters
Made From 430 Stainless Steel

	FILTER DETAIL
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HOOD INFORMATION - Job#3342779

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EMIH	EXHAUST PLENUM							HOOD CONFIG.				
						WIDTH	HEIGHT	DA	CFM	VEL.	S.P.	MUA CFM	AC CFM	HOOD CONSTRUCTION	END TO END	ROW	
1	222	6030 ND-2-ACPSR-F	11' 4"	600 Deg.	3117			4"	18"	3117	1764	-1.037"	2494	648	430 SS Where Exposed	ALONE	ALONE
2	94	7224 ND-2-ACPSR-F	9' 4"	600 Deg.	2567			4"	16"	2567	1638	-1.025"	2054	560	430 SS Where Exposed	ALONE	ALONE
3	52-LEFT	6030 ND-2-ACPSR-F	11' 4"	600 Deg.	2963			4"	16"	2963	1907	-1.010"	1864	650	430 SS Where Exposed	LEFT	ALONE
4	52-RIGHT	6030 ND-2-ACPSR-F	8' 8"	600 Deg.	1793			4"	14"	1733	1621	-0.847"	1559	550	430 SS Where Exposed	RIGHT	ALONE

HOOD INFORMATION

HOOD NO.	TAG	TYPE	FILTER(S)			LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM	HOOD HANGING			
			QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM WEIGHT			ELECTRICAL MODEL #	SWITCHES QUANTITY	
1	222	Capstrate Solo Filter	8	20"	16"	85% See Filter Spec.	6	L55 Series E26	NO					YES	820 LBS		
2	94	Capstrate Solo Filter	7	20"	16"	85% See Filter Spec.	5	L55 Series E26	NO	Left	12"x7"x24"	Ansl R102	3.0	DCV-1111	1 Light 1 Fan	YES	911 LBS
3	52-LEFT	Capstrate Solo Filter	8	20"	16"	85% See Filter Spec.	6	L55 Series E26	NO						YES	765 LBS	
4	52-RIGHT	Capstrate Solo Filter	6	20"	16"	85% See Filter Spec.	5	L55 Series E26	NO	Right	12"x60"x30"	Ansl R102	3.0/3.0/3.0	DCV-1111	1 Light 1 Fan	YES	913 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1	222	FIELD WRAPPER 18.00" High Front, Left
		BACKSPLASH 80.00" High X 137.00" Long 430 SS Vertical
		RIGHT SIDESPLASH 80.00" High X 60.00" Long 430 SS Vertical
		RIGHT END STANDOFF (FINISHED) 1" Wide 60" Long Insulated
2	94	SENSOR-CV
		RIGHT WALL AS END PANEL
		FIELD WRAPPER 18.00" High Front, Left, Right
		BACKSPLASH 80.00" High X 125.00" Long 430 SS Vertical
3	52-LEFT	RIGHT SIDESPLASH 80.00" High X 72.00" Long 430 SS Vertical
		RIGHT END STANDOFF (FINISHED) 1" Wide 72" Long Insulated
		SENSOR-CV
		RIGHT WALL AS END PANEL
3	52-LEFT	FIELD WRAPPER 18.00" High Front
		BACKSPLASH 80.00" High X 250.00" Long 430 SS Vertical
		LEFT SIDESPLASH 80.00" High X 60.00" Long 430 SS Vertical
		LEFT END STANDOFF (FINISHED) 1" Wide 60" Long Insulated
4	52-RIGHT	BALANCE DAMPERS
		SENSOR-CV
		LEFT WALL AS END PANEL
		FIELD WRAPPER 18.00" High Front, Right
4	52-RIGHT	BALANCE DAMPERS
		RIGHT VERTICAL END PANEL 27" Top Width, 21" Bottom Width, 60" High Insulated 430 SS
		SENSOR-CV

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG.	DIA.	CFM	S.P.
1	222	Front	137"	28"	6"	MUA	12"	28"		831	0.256"
						AC	12"	28"		831	0.256"
						MUA	12"	28"		831	0.256"
						AC	6"	16"		216	0.072"
						AC	6"	16"		216	0.072"
						AC	6"	16"		216	0.072"
2	94	Front	125"	28"	6"	MUA	12"	28"		684	0.177"
						AC	12"	28"		684	0.177"
						MUA	12"	28"		684	0.177"
						AC	6"	16"		280	0.073"
						AC	6"	16"		280	0.073"
						AC	6"	16"		280	0.073"
3	52-LEFT	Front	137"	24"	12"	MUA	8"	36"		621	0.173"
						AC	8"	36"		621	0.173"
						MUA	8"	28"		325	0.073"
						AC	8"	28"		325	0.073"
						MUA	12"	28"		779	0.198"
						AC	8"	16"		280	0.073"
4	52-RIGHT	Front	116"	24"	12"	MUA	12"	28"		779	0.198"
						AC	8"	16"		280	0.073"
						AC	8"	16"		280	0.073"
						AC	8"	16"		280	0.073"
						AC	8"	16"		280	0.073"
						AC	8"	16"		280	0.073"

§

GREASE DUCT & CHIMNEY SPECIFICATIONS:

PROVIDE GREASE DUCT EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW"
ROUND 20 GAUGE 430 STAINLESS STEEL DUCTWORK. MODEL "DW"
IS LISTED TO UL-1978 AND IS INSTALLED USING "V" CLAMP LOCKING
CONNECTIONS SEALED WITH 3M FIRE BARRIER 2000 PLUS. MODEL "DW"
DOES NOT REQUIRE WELDING PROVIDING IT HAS BEEN INSTALLED PER
THE MANUFACTURES INSTALLATION GUIDE.
PROVIDE RATED ACCESS DOORS AT EVERY CHANGE IN DIRECTION AND EVERY 12' ON CENTER. PER MANUFACTURES LISTING
MODEL "DW" HORIZONTAL RUNS LESS THAN 75 FT. CAN BE SLOPED 1/16" PER 12", HORIZONTAL RUNS MORE THAN 75 FT. CAN BE
SLOPED 3/16" PER 12".
DUCT SHOULD BE SLOPED AS MUCH AS POSSIBLE TO REDUCE THE CHANCE OF GREASE ACCUMULATION IN HORIZONTAL RUNS.

IF THE DUCT OR CHIMNEY IS WITHIN 18 INCHES OF COMBUSTIBLE MATERIAL, PROVIDE UL-2221 OR UL-103 HT LISTED DOUBLE WALL GREASE DUCT OR DOUBLE WALL CHIMNEY EQUAL TO CAPTIVEAIRE SYSTEMS MODEL "DW-2R, 2R TYPE HT, 3R, OR 3Z" ROUND 20 GAUGE 430 STAINLESS INNER DUCT INSULATED WITH A 24 GAUGE 430 STAINLESS OUTER SHELL.

CAPTIVEAIRE SYSTEMS RECOMMENDS THE USE OF LISTED, PRE-FABRICATED ROUND GREASE EXHAUST DUCT TO REDUCE STATIC PRESSURE IN THE SYSTEM, MINIMIZE INSTALLATION AND INSPECTION TIMES, AND ENSURE DUCT IS LIQUID TIGHT

HVAC DISTRIBUTION NOTE

IT IS RECOMMENDED NOT TO INSTALL HIGH VELOCITY DIFFUSERS OR HVAC RETURNS WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

EXHAUST HOOD DETAILS

GENERAL NOTE (TYP OF ALL SHEETS)

THESE DRAWINGS ARE FOR INFORMATION PURPOSES ONLY

The information conveyed in this set is intended to communicate design intent for use in the planning and bidding processes only. These documents are not for use in construction or to locate utilities or other requirements. The Kitchen Equipment Contractor and other sub-contractors are to verify all information and produce construction documents. TDD, parent company and affiliates will not be liable for action taken as a result of the design and equipment portrayed in these plans.

NIKEC: Not included in the Kitchen Equipment Contract

[illegible]

THE DESIGN DIFFERENCE
Where the Difference is in the Details

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www.thedesigndifference.com

ODETTES
NEW HOPE, PA

SHEET TITLE:
KITCHEN EQUIPMENT
EXHAUST HOOD
SCHEDULE AND
DETAILS

SCALE: NO SCALE
DATE: 02/26/2019

SHEET NO.

K1.8