

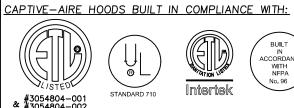
HANGING ANGLE IS	PRE-PUNCHED AT	FACTORY			
HANGIN(	G ANGLE	DETAIL	S		
HOOD STYLE / MODEL	450 DEGREES cfm/ft.	600 DEGREES cfm/ft.	700 DEGREES cfm/ft.		
CANOPY ND-2	150	200	250		
CANOPY ND-2 W/ END PANELS	105	140	175		
SLOPED SND-2	228	294	_		
ISLAND ND-2WI	269	300	350		
ISI AND					

### ETL HOOD LISTING DETAIL

EXHAUST CFM = LENGTH OF HOOD X CFM/LIN.FT. (LOAD) SUPPLY CFM = EXHAUST CFM X PERCENTAGE REQUIRED TOTAL DUCT AREA (sq. in.) = 144 X  $\frac{\text{CFM}}{\text{FPM(*)}}$ 

422 475

DUCT LENGTH = \*CAPTIVEAIRE 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-AIRE HOODS HAVE OPTIONAL CLEARANCE

REDUCTION SYSTEMS AVAILABLE AS FOLLOWS: CLEARANCE REDUCTION SYSTEM <u>MATERIAL</u>

NON-COMBUSTIBLE NONE REQUIRED

3" UNINSULATED STANDOFF COMBUSTIBLE 1" INSULATED STANDOFF

## CLEARANCE TO COMBUSTIBLES

### INSTALLATION

ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.

3. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON

- PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
- ALL CONNECTIONS FROM CAPTIVEAIRE 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 SHOWN INSTALLED BY CAPTIVEAIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES ARE BY ELECTRICAL CONTRACTOR.
- 8. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
- 9. SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
- 10. INSTALLING CONTRACTORS ASSUME ALL RELATED REPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

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

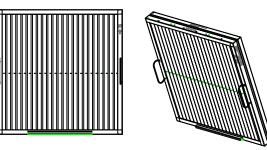
### 14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.

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

## GENERAL NOTES

FILTER COLLECTION EFFICIENCY 2" Captrate Grease-Stop Solo Filter

PARTICLE DIAMETER (µm)



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

FILTER DETAIL

HOOI	OINFO	RMATION -	- Job#4.	328831															
		MODEL		MAX.	TYPE	APPLIANCE DUTY	DESIGN CFM/ft	TOTAL EXH. CFM	EXHAUST PLENUM							TOTAL		HOOD CONFIG.	
HOOD NO.	TAG		LENGTH	COOKING TEMP.					WIDTH	LENG.		RISER ( DIA.	S) CFM	VEL.	S.P.	SUPPLY CFM	HOOD CONSTRUCTION	END TO END	ROW
1	15F (L)	6024 EX-2-PSP-F	8' 4"	600 Deg.	I	Heavy	225	1875			4"	14"	1875	1754	-0.378"	1500	430 SS Where Exposed	LEFT	FRONT
2	15F (R)	6024 EX-2-PSP-F	8' 5"	600 Deg.	I	Heavy	200	1683			4"	14"	1683	1574	-0.305"	1363	430 SS Where Exposed	RIGHT	FRONT
3	15B (L)	5424 EX-2-PSP-F	8' 6"	450 Deg.	I	Medium	200	1700			4"	14"	1700	1590	-0.311"	1360	430 SS Where Exposed	LEFT	BACK
4	15B (R)	5424	5' 3"	600	ı	Heavy	200	1050			4"	12"	1050	1337	-0.226"	840	430 SS	RIGHT	BACK

IOOD	INFO	RMATION

		FILTER (S)						LIGHT (S)	UTILITY CABINET (S)								
HOOD	TAG	TYPE							WIRE			FIRE SYSTEM		ELECTRICAL	SWITCHES	FIRE	HOOD HANGING
NO.	TAG		QTY.	HEIGHT	LENGTH	FFFICIENCY @ 7 MICRONS		TYPE	GUARD	LOCATION	SIZE	TYPE SIZE		MODEL#	QUANTITY		WGHT
1	15F (L)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO	Wall Mnt	12"x60"x24"	Ansul R102	3.0/3.0/3.0			YES	490 LBS
2	15F (R)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO							YES	507 LBS
3	15B (L)	SS Baffle with Handles	6	20"	16"	30%	5	L55 Series E26	NO							YES	530 LBS
4	15B (R)	SS Baffle with Handles	3	20"	16"	30%	3	L55 Series E26	NO							YES	319 LBS
		33 Danie with Handles		20	10	30 /0		Loo delles L20									

## HOOD OPTIONS

	NO.	TAG	OPTION
Ī			FIELD WRAPPER 18.00" High Front
			LEFT END STANDOFF 1" Wide 60" Long Insulated
	1	15F (L)	LEFT SIDESPLASH 80.00" High X 60.00" Long 430 SS Vertical
			BALANCE DAMPERS
			RISER SENSOR INSTALL 3IN DBL
			FIELD WRAPPER 18.00" High Front, Right
	2	15F (R)	BALANCE DAMPERS
ļ			RISER SENSOR INSTALL 6IN PLEN
	3	15B (L)	FIELD WRAPPER 18.00" High Front, Left
			BACK STANDOFF (FLAT) 10" Wide 102" Long
			BALANCE DAMPERS
			RISER SENSOR INSTALL 6IN PLEN
			FIELD WRAPPER 18.00" High Front
			RIGHT END STANDOFF 1" Wide 54" Long Insulated
	4	15B (R)	RIGHT SIDESPLASH 80.00" High X 64.00" Long 430 SS Vertical
	7	105 (19	BACK STANDOFF (FLAT) 10" Wide 64" Long
			BALANCE DAMPERS
			RISER SENSOR INSTALL 6IN PLEN

PERFORATED SUPPLY PLENUM(S)

- 1		I DIVI OIVII DD DOI I DI I DDIVOM(D)													
		HOOD							RISER (S)						
		HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	WIDTH	LENG.	DIA.	CFM	S.P.		
		4	15F (L)	Front	101"	16"	6"	MUA	12"	28"		750	0.211"		
		'	131 (L)	FIOIIL	101	10	0	MUA	12"	28"		750	0.211"		
		2	15F (R)	Front	101"	16"	6"	MUA	12"	28"		681	0.176"		
			131 (19				O O	MUA	12"	28"		681	0.176"		
		3	15B (L)	Front	102"	14"	6"	MUA	12"	28"		680	0.175"		
		,	13B (L)					MUA	12"	28"		680	0.175"		
		4	15B (R)	Front	64"	14"	6"	MUA	10"	20"		420	0.119"		
		4		1 TOTAL	04		0	MUA	10"	20"		420	0.119"		

# **VERIFY CEILING HEIGHT**

Approved with NO Exception Taken

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS

#### **CUSTOMER APPROVAL TO MANUFACTURE:** Approved as Noted

Revise and Resubmit Your Title \_ Date

EXHAUST HOOD DETAILS

Allen, 20  $\mathbf{X}$ Ë N RKDT **DATE:** 05-19-2020 4328831

# **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.

**DRAWN** BS-32 SCALE:

**MASTER DRAWING** 

SHEET NO.



**REVISIONS** 

ISSUE DATE DESCRIPTION PROJECT NUMBER 06/05/2020 SHEET DESCRIPTION

KITCHEN EXHAUST HOOD DETAILS

SHEET NUMBER

M3.1