

1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE

1/2" DIA. HEAVY DUTY NUT ONE ABOVE AND ONE BELOW HANGING ANGLE

HOOD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-FURNISHED AT FACTORY

HANGING ANGLE DETAILS

HOOD STYLE / MODEL	450 DEGREES cfm/ft.	600 DEGREES cfm/ft.	700 DEGREES cfm/ft.
CANOPY NOZ	150	200	250
WITH END PANELS (2% REDUCTION)	127.5	170	212.5
SLOPED END-2	228	294	-
ISLAND NO-ZWI	269	300	350
NDI	346	422	475

ETL HOOD LISTING DETAIL

EXHAUST CFM=LENGTH OF HOOD X CFM/IN.FT. (LOAD)
SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED (CM)
TOTAL DUCT AREA=144 X (FPM)
DUCT LENGTH= TOTAL DUCT AREA / DUCT VELOCITY

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

BUILDING CODES

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

MATERIAL CLEARANCE REDUCTION SYSTEM

NON-COMBUSTIBLE NONE REQUIRED
LIMITED-COMBUSTIBLE 3" UNINSULATED STANDOFF
COMBUSTIBLE 1" INSULATED STANDOFF

CLEARANCE TO COMBUSTIBLES

INSTALLATION

- ALL ELECTRICAL "TIE-IN" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS
- ALL PLUMBING "TIE-IN" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS
- HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PANEL. ALL OTHER HANGING MATERIALS PROVIDED BY INSTALLING CONTRACTOR
- ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTOR'S PLAN
- COOKING EQUIPMENT TO SHUT-OFF IN EVENT OF FIRE
- EXHAUST FANS TO TURN ON IN EVENT OF FIRE
- ALL LIGHTS FURNISH SHOWN INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS
- LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS
- SEWING RESISTANTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR
- INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF THIS REQUIREMENT. ALL EFFORT SHALL BE TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.

BALANCE

- KITCHEN HOODS MUST BE BALANCED WITH KITCHEN
- KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DRIVING AREA
- RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE

ADDITIONAL

- WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE
- OWNER AND "APPROVED" COPIES OF THIS DOCUMENT REQUIRE REVIEW BY PLUMBING

GENERAL NOTES

FILTER COLLECTION EFFICIENCY

2" CaptiveAire Solo Filter

FILTRATION EFFICIENCY (%)

PARTICLE DIAMETER (µm)

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

FILTER DETAIL

FOR QUESTIONS, CALL THE Maryland Office REGION 32 PHONE: (800) 988-0881 EMAIL: or@turo.meza@captiveaire.com

PATENT NUMBERS
AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.

HOOD INFORMATION - JOB#6794385

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)					MUA CFM	AC CFM	HOOD CONSTRUCTION	HOOD CONFIG			
										WIDTH	LENG	HEIGHT	DIA	CFM				VEL	SP	END TO END	RDW
1	33	6030 ND-2-ACPS-F	CAPTIVEAIRE	11' 7"	600 DEG	I	HEAVY	225	2606			4'	16'	2606	1866	-0.968"	1165	776	430 SS WHERE EXPOSED	ALONE	ALDNE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM	HOOD SYSTEM HANGING PIPING WEIGHT			
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	TYPE			SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY
1	33	CAPTRATE SOLO FILTER	8	20"	16"	85% SEE FILTER SPEC	6	L55 SERIES E26	NO	LEFT	12"x60"x30"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	YES	1154 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	33	FIELD WRAPPER 10.00' HIGH FRONT, LEFT, RIGHT END STANDOFF (FINISHED) 1' WIDE 60' LONG INSULATED. INSULATION FOR BACK OF HOOD. LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH INSULATED 430 SS. RIGHT WALL AS END PANEL.

CLEARANCE TO COMBUSTIBLES

HOODS #	SURFACE	*CLEARANCE
1	TOP	18"
	FRONT	0"
	BACK	0"
	LEFT	0"
	RIGHT	0"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.
- HOOD MOUNTED UTILITY CABINETS REQUIRE 36" SERVICE CLEARANCE.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)			
							WIDTH	LENG	DIA	CFM
1	33	Front	152'	19'	6'	MUA	6"	28"	388	0.123"
							6"	28"	388	0.123"
							6"	28"	388	0.123"
							8"	24"	388	0.088"
							8"	24"	388	0.088"

WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)				WEIGHT
			FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	
1	WALL MNT	12"x54"x24"	PCU TANK	4.0/4.0			300.00 LBS

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
HIGH VELOCITY DIFFUSERS OR HVAC RETURNS SHOULD NOT BE PLACED WITHIN TEN (10) FEET OF THE EXHAUST HOOD. PERFORATED DIFFUSERS ARE RECOMMENDED.

VERIFY CEILING HEIGHT
_ ' - _ "

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

CUSTOMER APPROVAL TO MANUFACTURE:

APPROVED AS NOTED

APPROVED WITH NO EXCEPTION TAKEN

REVISE AND RESUBMIT

SIGNATURE _____

YOUR TITLE _____ DATE _____



REVISIONS

DESCRIPTION	DATE

CAPTIVEAIRE

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DATE: 5/13/2024
DWG.#: 6794385
DRAWN BY: BTT-32
SCALE: NTS
MASTER DRAWING

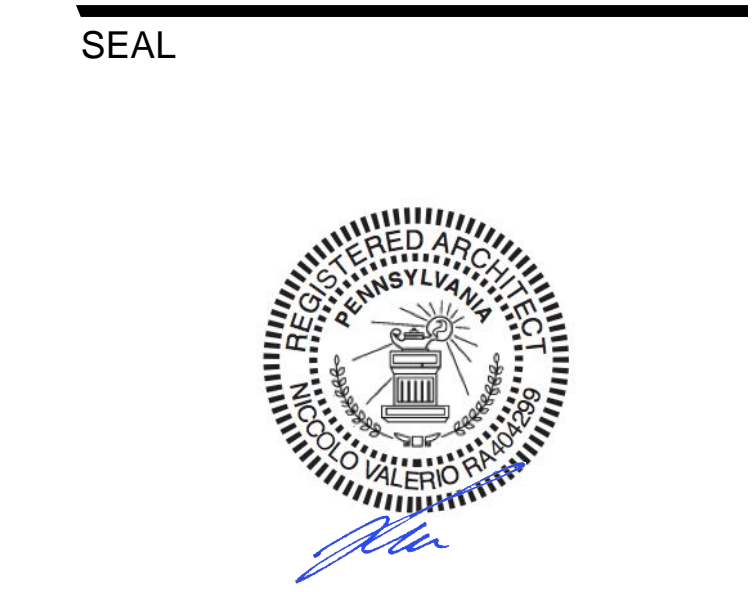
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PROJECT

CAVA

CAVA
LOCATION
1100 W MONTGOMERY AVENUE SUITE C
PHILADELPHIA, PA 19122

DATE	DESCRIPTION
04/01/24	BID ADDENDUM / PC COMMENTS
06/13/24	PLUMBING & HEALTH COMMENTS
06/04/24	CONSTRUCTION SET / PERMIT ADDENDUM

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Captive Aire

Date Modified: _____
Date Created: 10/30/23
Scale: N.T.S.
Project No.: 3387-23-132
Drawn By: GPL
CAD#3387-240408-CD-Permit Set Comments-MV.vwx

A9.1

