HOOD INFORMATION - Job#4345540

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TYPE	APPLIANCE DUTY	DESIGN CFM/ft	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG.	HEIGHT	DIA.	CFM	VEL.	S.P.	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG. END TO END	ROW
1		2812 BLL	11' 3"	600 Deg.	I	Heavy	169	1901	7"	10"	4"		950	1954	-0.429"	0	430 SS Where Exposed	ALONE	ALONE
									7"	10"	4"		950	1954	-0.429"				
3		912 MISC-PSP	11' 3"	300 Deg.	I	N/A	0	0								1520	430 SS Where Exposed	ALONE	ALONE

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

HOOD NO.	TAG	FILTER(S) TYPE	QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY.	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WGHT
1		SS Baffle with Handles	8	10"	16"	30%	0			Wall Mnt	12"x42"x24"	Ansul R102	3.0/3.0/3.0			YES	201 LBS
3							0									NO	148 LBS

FRYER BATTERY WITH MINIMUM
2" MIN. SIDE OVERHANG AND
4.5"FRONT UNDERHANG BY HOOD
PER ETL LISTING FILE #3054804-001

HOOD OPTIONS

HOOD NO.	TAG	OPTION
1		BACKSPLASH 114.00" High X 210.00" Long 430 SS Vertical
		RISER SENSOR INSTALL 6IN PLEN
2		OPTIONS ONLY: FIELD WRAPPER 22.50" High x 60.00" Long Left 430 SS
		OPTIONS ONLY: FIELD WRAPPER 22.50" High x 60.00" Long Right 430 SS
		OPTIONS ONLY: FIELD WRAPPER 22.50" High x 60.00" Long Left 430 SS
		OPTIONS ONLY: FIELD WRAPPER 22.50" High x 60.00" Long Right 430 SS
		OPTIONS ONLY: FIELD WRAPPER 37.00" High x 60.00" Long Front 430 SS
		OPTIONS ONLY: FIELD WRAPPER 37.00" High x 60.00" Long Front 430 SS
		OPTIONS ONLY: WRAPPER CHANNEL - 19.00" Long
		OPTIONS ONLY: WRAPPER CHANNEL - 19.00" Long
		OPTIONS ONLY: WRAPPER CHANNEL - 19.00" Long
		OPTIONS ONLY: WRAPPER CHANNEL - 19.00" Long
		OPTIONS ONLY: WRAPPER CHANNEL - 28.00" Long
		OPTIONS ONLY: WRAPPER CHANNEL - 28.00" Long
3		FIELD WRAPPER 12.00" High Front, Left, Right, Back

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG.	DIA.	CFM	S.P.
3		Front	135"	9"	12"	MUA	6"	28"		380	0.118"
						MUA	6"	28"		380	0.118"
						MUA	6"	28"		380	0.118"
						MUA	6"	28"		380	0.118"

BLL Series Specification

The BLL series hood is a low proximity passover type hood. Hood shall have size, shape and performance specified on drawings.

Construction shall be type 430 stainless steel with a #3 or #4 polish where exposed. All seams shall be welded and have stainless steel on exposed surfaces. Unexposed surfaces shall be constructed of aluminized steel. Individual component construction shall be determined by manufacturer and ETL. Construction shall be dependent on the structural application to minimize distortion and other defects. All seams, joints and penetrations of the hood enclosure to its lower outermost perimeter that directs and captures grease-laden vapor and exhaust gases shall have a liquid-tight continuous external weld in accordance with NFPA 96. Hood shall be wall type with provisions to screw to back wall.

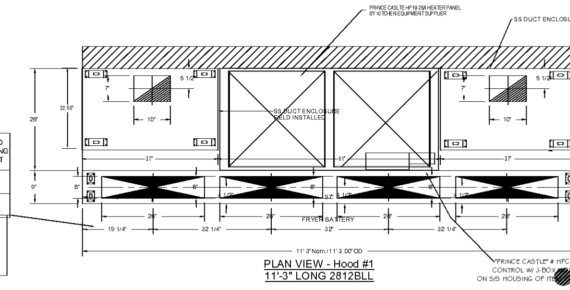
Ventilator shall be furnished with UL classified aluminum baffle filters, supplied in size and quantity as required by ventilator. The filters shall extend the full length of the hood and the filler panels shall not be more than 6" in width.

The hood manufacturer shall supply complete computer generated submittal drawings including hood section view(s) and hood plan view(s). These drawings must be available to the engineer, architect and owner for their use in construction, operation and maintenance.

Exhaust duct collar to be 4" high with 1" flange. Duct sizes, CFM and static pressure requirements shall be as shown on drawings. Static pressure requirements shall be precise and accurate; air velocity and volume information shall be accurate within 1-ft increments along the length of the ventilator.

The hood shall have:
-A sloped grease drain system which shall be an enclosed integral part of the hood back with an exposed, removable ½ pint grease cup to facilitate cleaning.
-Low profile design to allow plate shelf and passover design.

The hood shall be ETL Listed as "Exhaust Hood Without Exhaust Damper", ETL Sanitation Listed and built in accordance with NFPA 96. The hood shall be listed for 400° F cooking surfaces at 110 CFM/ft.

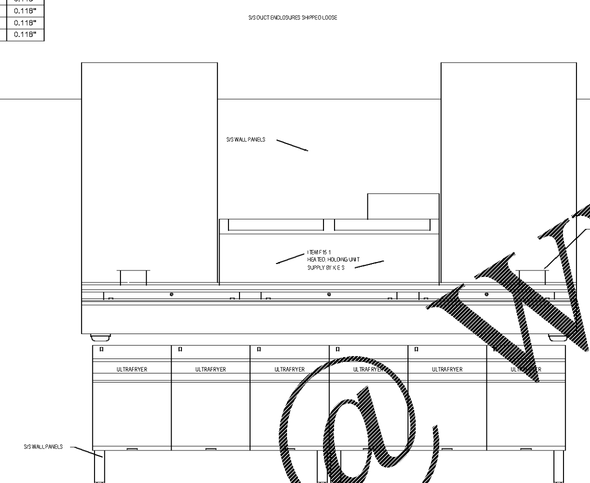


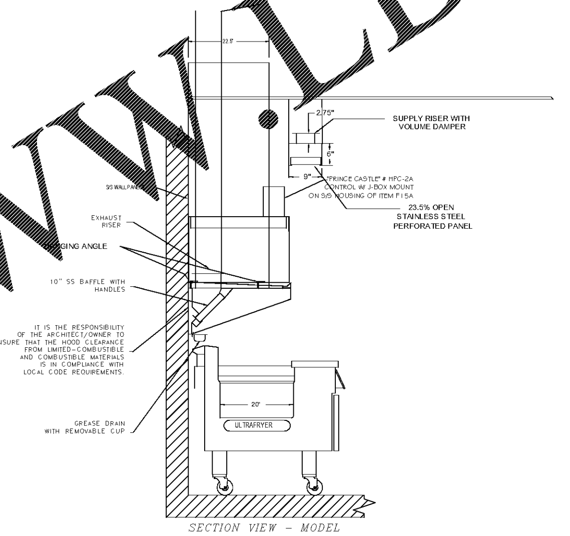
PLAN VIEW - Hood #1
11'-3" LONG 2812BLL

DUCTWORK BY MEC
PLAN VIEW - Hood #3
11' 3.00" LONG 912MISC-PSP

Backshelf Exhaust-Only ETL Ratings - File 3054804-001

HOOD MODEL	MAX TEMP	MAX EXH. CFM/FT	LENGHT RANGE	MAX LENGTH FOR 1 RISER	WIDTH RANGE	WIDTH INCR.	SIDE OVER-HANG	FRONT OVER-HANG	VERTICLE CLEARANCE WITH LIGHTS	VERTICLE CLEARANCE WITHOUT LIGHTS
BLL	400DEG	110	3'-24'	16'	26"-36"	[illegible]	2"	-4.5"	-	[illegible]"-26"





SECTION VIEW - MODEL
2812BLL

All enclosure panels 60" tall with vertical grain

FRYER BATTERY WITH MINIMUM
2" MIN. SIDE OVERHANG AND
4.5"FRONT UNDERHANG BY HOOD
PER ETL LISTING FILE #3054804-001

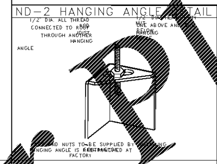
GENERAL NOTES

INSTALLATION
1. ALL ELECTRICAL "FIELD" CONNECTIONS AND REQUIRED CONNECTIONS BY ELECTRICAL CONTRACTORS.
2. ALL PLUMBING "FIELD" CONNECTIONS AND REQUIRED CONNECTIONS BY PLUMBING CONTRACTORS.
3. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
4. ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT BY MECHANICAL CONTRACTORS'S PLANS.
5. COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
6. EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
7. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTIVE-AIRE PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
8. SEISMIC RESTAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
9. INSTALLING CONTRACTORS ASSUME ALL RESPONSIBILITY FOR VERIFICATION OF
10. DIMENSIONS CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION CODE REQUIREMENTS IN EFFECT PRIOR TO 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
14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

ND-2 HANGING ANGLE DETAIL



HANGING ANGLE LOCATIONS

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24"H)	DIM FROM FRONT (30"H)
CANOPY ND2	4.166"	2.246"	2.246"
[illegible]-PSP-F	4.166"	2.246"	2.246"
BACKSHELF BD-2	4.166"	2.246	–
VHB/VHB-G	36"x36"	42"x42"	48"x48"
DIMS BY FRONT/BACK SIZE	2.246"	2.246"	2.246"

CALCULATIONS UTILIZED

EXHAUST CFM=LENGTH OF HOOD x CFM/LIN FT. (LOAD)
SUPPLY CFM=EXHAUST CFM x PERCENTAGE REQUIRED
TOTAL DUCT AREA= 144 x CFM / FPM(*)
DUCT LENGTH= TOTAL DUCT AREA / DUCT DEPTH

* CAPTIVE-AIRE DUCT CONNECTION SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 300-400 FPM.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

LISTED #3054804-001 & #3054804-002
UL STANDARD 710
Intertek
BUILT IN ACCORDANCE WITH NFPA No. 96
Listed under ETL File number 3054804-001/002

CLEARANCE TO COMBUSTIBLES

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

1 / M3 CAPTIVE AIRE HOOD DETAILS

1/2" = 1'-0"

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LOUISIANA KITCHEN POPEYES

JPL MANAGEMENT

ISSUE INFORMATION

REVISIONS

Nelco Architecture, Inc.

STATE OF KENTUCKY JOHN W. GUILLEN 30529 LICENSED PROFESSIONAL ENGINEER
05/08/2020

PROJECT INFORMATION

BOWLING GREEN, KY

DISHMAN LANE
BOWLING GREEN, KY 42101

PROJECT #:
11352

SHEET INFORMATION

HOOD DETAILS

DRAWN BY: Designer
REVIEWED BY: Checker
SCALE: 1/2" = 1'-0"
AUTHORIZED FOR: PERMIT

M3

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