

HOOD STYLE	DIM FROM REAR		DIM FROM FRONT (24"H)		DIM FROM FRONT (30"H)	
	REAR	FRONT	FRONT	FRONT	FRONT	FRONT
CANOPY ND2	4.166"	2.246"	2.246"			
ND2-PSP-F	4.166"	2.246"	2.246"			
BACKSHELF ND4-FSD	2.00"	14.25"				
VHB/VHB-C	36"x36"	42"x42"	48"x48"			
FRONT/BACK DIMS BY SIZE	2.246"	2.246"	2.246"			

HANGING ANGLE LOCATIONS

EXHAUST CFM - LENGTH OF HOOD X CFM/AIRFT. (LOAD)

SUPPLY CFM - EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA = 144 X (FPM²)

DUCT LENGTH = TOTAL DUCT AREA / DUCT BIRTH

CFM CAPTURE VELOCITY DUCT BIRTH ARE CALCULATED USING AN EXHAUST VELOCITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 1000 FPM.

CALCULATIONS UTILIZED

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	

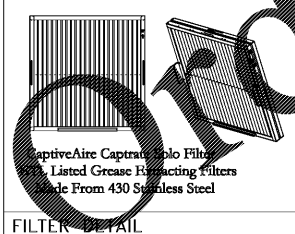
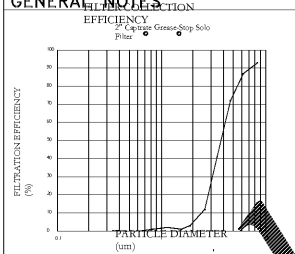
CLEARANCE TO COMBUSTIBLES

- #### INSTALLATION
- ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
 - ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
 - HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HARDER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
 - ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTORS' PLANS.
 - COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE.
 - EXHAUST FANS TO TURN ON IN EVENT OF FIRE.
 - ALL LIGHTS/FIXTURES SHOWN INSTALLED BY CAPTIVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
 - LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
 - SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
 - INSTALLING CONTRACTORS ASSUME ALL RELATED RESPONSIBILITY FOR VERIFICATION OF DIMENSIONAL DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTERPRETATION AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.
- #### BALANCE
- KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.
 - KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.
 - RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.
- #### ADDITIONAL
- WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.
 - SHEDD AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.

GENERAL NOTES

EFFICIENCY: Grease-Trap-Scrub Filter

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.



HOOD INFORMATION - Job#3480825

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	TOTAL EXH. CFM	EXHAUST PLENUM RISER(S)				TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD COMPTIG. END TO END	HOOD COMPTIG. RDW			
						WIDTH	LENG.	HEIGHT	DIA.							
1	KH-1	5424 ND-2-PSP-F	9' 0"	600 Deg.	1953	10"	18"	4"		1953	1562	-0.864"	1562	430 SS Where Exposed	ALDINE	ALDINE

HOOD INFORMATION

HOOD NO.	TAG	TYPE	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)			ELECTRICAL	SWITCHES	FIRE SYSTEM PIPING	HOOD HANGING WGT	
			QTY.	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY.	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM SIZE					MODEL #
1	KH-1	Captrate Solo Filter	6	16"	16"	85% See Filter Spec.	3	Screw In Compact	NO	Right	12"x54"x24"	Ansul R102	3.0	DCV-1111	1 Light 1 Fan	YES	685 LBS

HOOD OPTIONS

HOOD NO.	TAG	OPTION					
		FIELD WRAPPER	17.00" High	Front, Left, Right	LEFT QUARTER END PANEL	23" Top Width, 0" Bottom Width, 23" High	430 SS
1	KH-1	RIGHT QUARTER END PANEL	23" Top Width, 0" Bottom Width, 23" High	430 SS			

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	TAG	POS.	LENGTH	HEIGHT	TYPE	RISER(S)				
						WIDTH	LENG.	DIA.	CFM	S.P.
1	KH-1	Front	120"	14"	6"	MUA	12"	28"	781	0.196"
					MUA	12"	28"	781	0.196"	

IT IS HIGHLY RECOMMENDED THAT HVAC DIFFUSERS AND/OR RETURNS NOT BE PLACED WITHIN 10' OF THE EXHAUST HOOD. IF DIFFUSERS/RETURNS MUST BE CLOSER THAN 10' TO THE HOOD, THEY SHOULD BE PERFORATED OR 2 WAY DIRECTED AWAY FROM THE HOOD CANOPY. HIGH VELOCITY AIRFLOWS DIRECTED TOWARDS THE HOOD CAN NEGATIVELY IMPACT HOOD PERFORMANCE.

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

**NFPA #96
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001**

CUSTOMER APPROVAL TO MANUFACTURE

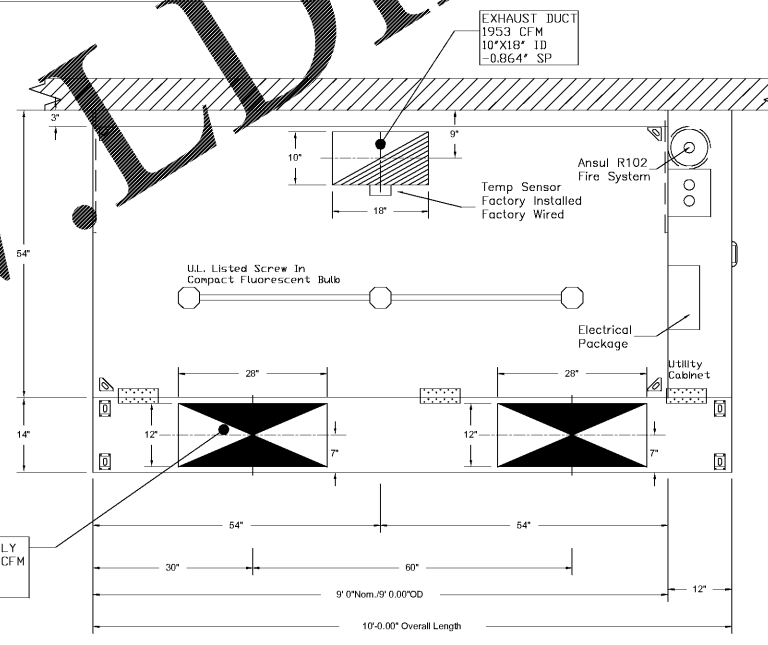
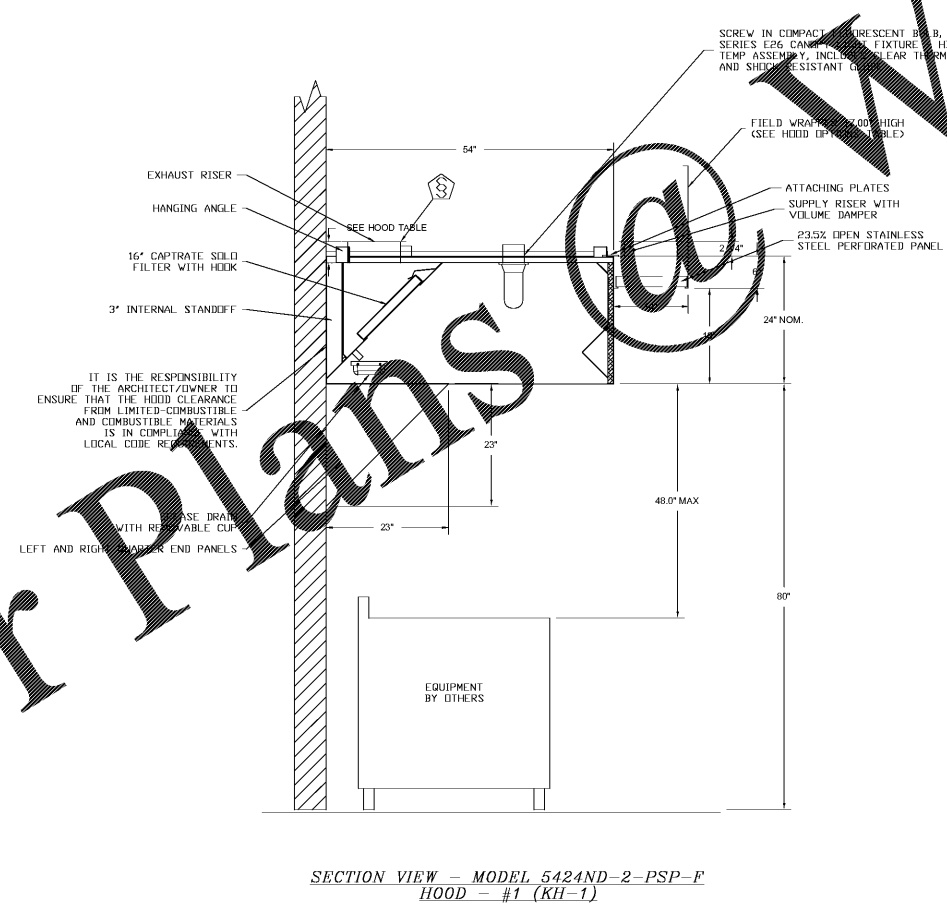
Approved as Noted

Approved with NO Exception Taken

Revised and Resubmit

Signature: _____ Date: _____

SIGNATURE IS APPROVED WITH NO EXCEPTION TAKEN OR "APPROVED AS NOTED" REPRESENTS ACCEPTANCE OF ALL SHEETS. RETURN ANY SHEETS THAT REQUIRE CHANGES "AS NOTED". CAPTIVE-AIRE SHALL NOT BE RESPONSIBLE FOR ANY CHANGES THAT WERE NOT REQUESTED WITH THE APPROVED DRAWING.



System Design Verification (SDV)

If ordered, CAS Service will perform a System Design Verification (SDV) once all equipment has had a complete start up per the Operation and Installation Manual. Typically, the SDV will be performed after all inspections are complete.

Any field related discrepancies that are discovered during the SDV will be brought to the attention of the general contractor and corresponding trades on site. These issues will be documented and forwarded to the appropriate sales office. If CAS Service has to resolve a discrepancy that is a field issue, the general contractor will be notified and billed for the work. Should a return trip be required due to any field related discrepancy that cannot be resolved during the SDV, there will be additional trip charges.

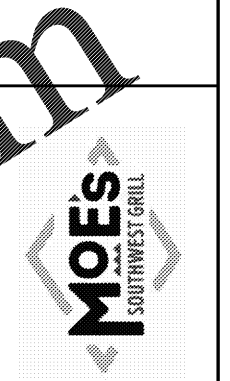
During the SDV, CAS Service will address any discrepancy that is the fault of the manufacturer. Should a return trip be required, the general contractor and appropriate sales office will be notified. There will be no additional charges for manufacturer discrepancies.

REVISIONS

NO.	DESCRIPTION	DATE



REV. NO.	DATE	ISSUED FOR PERMIT	DESCRIPTION



REV. NO.	DATE	ISSUED FOR PERMIT	DESCRIPTION



MOE'S SOUTHWEST GRILL
3732 US HWY 280
PHENIX CITY, AL 36867

MECHANICAL HOOD DRAWINGS

BRAND REVIEW	DATE
PERMIT	
BID	
CONSTRUCTION	
RECORDED	

PROJECT MANAGER: JB
DESIGNER: DTI
JOB NO. 2018375.13

M-410