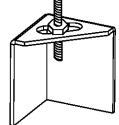


1/2" DIA. ALL THREAD ROD CONNECTED TO ROOF JOIST THROUGH ANOTHER HANGING ANGLE

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



\* HOOD AND NITS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-FINISHED AT FACTORY

**HOOD INFORMATION - Job #2891281**

HOOD NO.	TAG	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST FLENUM RISER(S)						HOOD CONSTRUCTION	HOOD CONFIG.		
					TOTAL EXH. CFM	WIDTH	LENG.	HEIGHT	DIA.	CFM		S.P.	END TO END	ROW
1		3044 BD-2	5' 0.00"	450 Deg.	1200	10"	10"	4"		1200	-0.50"	430 SS Where Exposed	ALONE	ALONE

HOOD NO.	TAG	FILTER(S)				LIGHT(S)		UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING LIGHT				
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 3 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE			FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY
1		98 Baffle with Handles	3	16"	16"	30%	2	L55 Series E26	NO	Left	12"x30"x24"	Ansel R102	3.0			YES	214 LBS

HOOD NO.	TAG	OPTION	
		FIELD WRAPPER	HEIGHT
1		21.00"	High Front, Left, Right
		61.00"	High X 12.00" Long 430 SS Vertical
		12.00"	High X 18.00" Long 430 SS Vertical
		12.00"	High X 18.00" Long 430 SS Vertical
		20"	Top Width 0" Bottom Width 20" High 430 SS
		20"	Top Width, 0" Bottom Width, 20" High 430 SS

**ND-2 HANGING ANGLE DETAIL**

HOOD STYLE	DIM FROM REAR	DIM FROM FRONT (24")	DIM FROM FRONT (30")
ND2	4.166"	2.246"	2.246"
ND2-PSP-F	4.166"	2.246"	2.246"
BACKSHELF 3841BD	2.00"	14.25"	-
VHS/VHS-G	36"x36"	42"x42"	48"x48"
FRONT BACK TYPE BY SIZE	2.246"	2.246"	2.246"

**HANGING ANGLE LOCATIONS**

EXHAUST CFM = LENGTH OF HOOD X CFM INFT. (LOAD)

SUPPLY CFM = EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA = 144 X CFM / (VELOCITY)

DUCT LENGTH = TOTAL DUCT AREA / DUCT DEPTH

\* CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 3000-3500 FPM AND A SUPPLY VELOCITY OF 3000 FPM.

**CALCULATIONS UTILIZED**

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH:

ETL LISTED  
UL LISTED  
Intertek  
BUILT IN ACCORDANCE WITH NFPA #36

**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" UNINSULATED 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 SIZED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.
- ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT FOR MECHANICAL CONTRACTOR'S PLANS.
- COOKING EQUIPMENT TO SHUT-OFF 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 HOOD AND TO SWITCHES BY ELECTRICAL CONTRACTORS.
- LAPPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
- SEPTIC RESTRICTIONS 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 CODE REQUIREMENTS IN STRICT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SACKS.

**GENERAL NOTES**

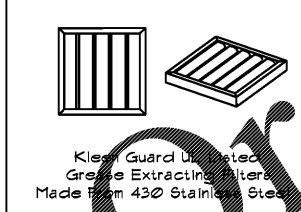
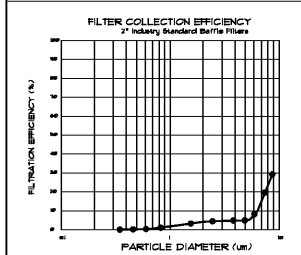
1. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN.

2. KITCHEN SHALL BE NEGATIVE WITH RESPECT TO DINING AREA.

3. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.

4. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE.

5. SIGNED AND APPROVED COPIES OF THIS DOCUMENT MUST BE SUBMITTED TO ARCHITECT PRIOR TO COMMENCEMENT OF FABRICATION.

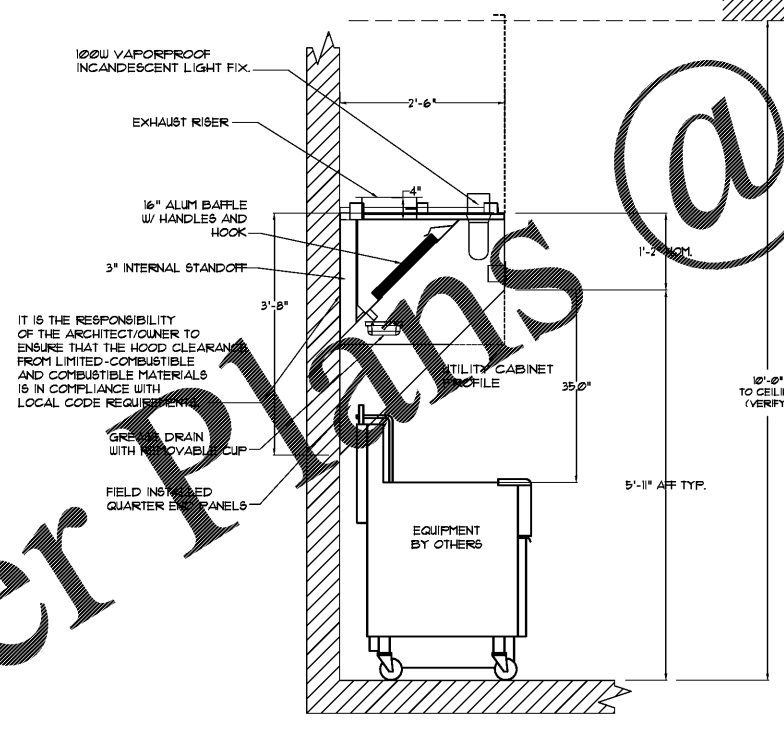


**ORDER PLANS**

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH UNLESS SPECIFICALLY NOTED:

THE MODEL BD-2 HOOD IS LISTED WITH A MINIMUM SIDE OVERHANG TO THE COOKING EQUIPMENT SURFACE OF 0", AND A MINIMUM FRONT OVERHANG OF -3". FOR 450°F APPLICATIONS, THE MINIMUM EXHAUST RATE IS 150 CFM/FT.

NFPA #36  
UL 710 & ULCT10 STANDARDS  
E.T.L. LISTED 3054804-001



SECTION VIEW - MODEL 3044BD-2

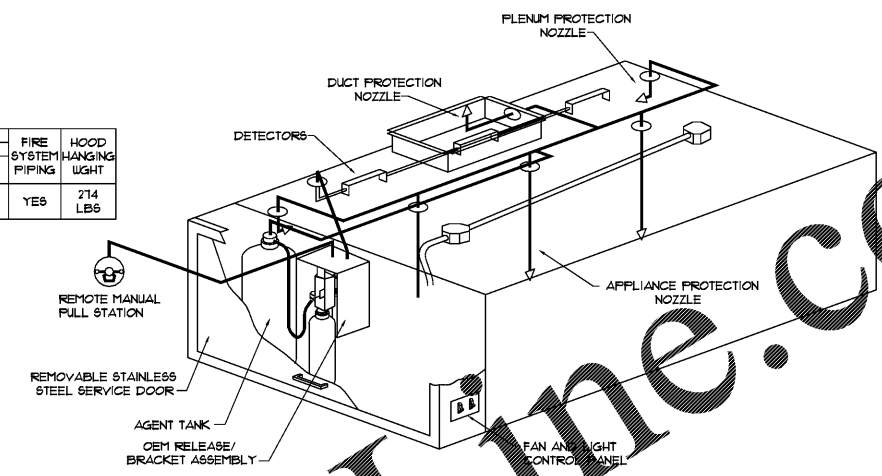
**SPECIFICATIONS**

THE RESTAURANT FIRE SUPPRESSION SYSTEM SHALL BE THE PRE-ENGINEERED TYPE WITH A FIXED NOZZLE AGENT DISTRIBUTION NETWORK. IT SHALL BE LISTED WITH UNDERWRITERS LABORATORIES, INC. (UL.)

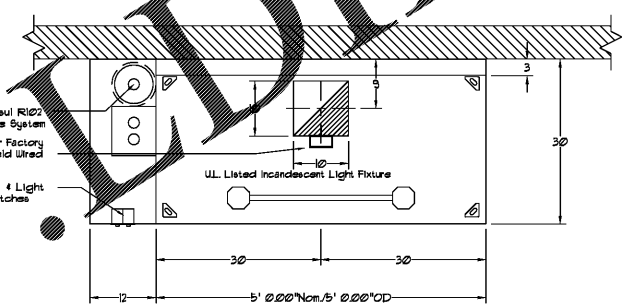
THE SYSTEM SHALL BE CAPABLE OF AUTOMATIC DETECTION AND ACTUATION WITH LOCAL OR REMOTE MANUAL ACTUATION. ACCESSORIES SHALL BE AVAILABLE FOR MECHANICAL OR ELECTRICAL GAS LINE SHUT-OFF APPLICATIONS.

THE EXTINGUISHING AGENT SHALL BE A POTASSIUM CARBONATE, POTASSIUM ACETATE-BASED FORMULATION DESIGNED FOR FLAME KNOCKDOWN AND SECUREMENT OF GREASE RELATED FIRES. IT SHALL BE AVAILABLE IN ELASTIC CONTAINERS WITH INSTRUCTIONS FOR LIQUID AGENT HANDLING AND USAGE.

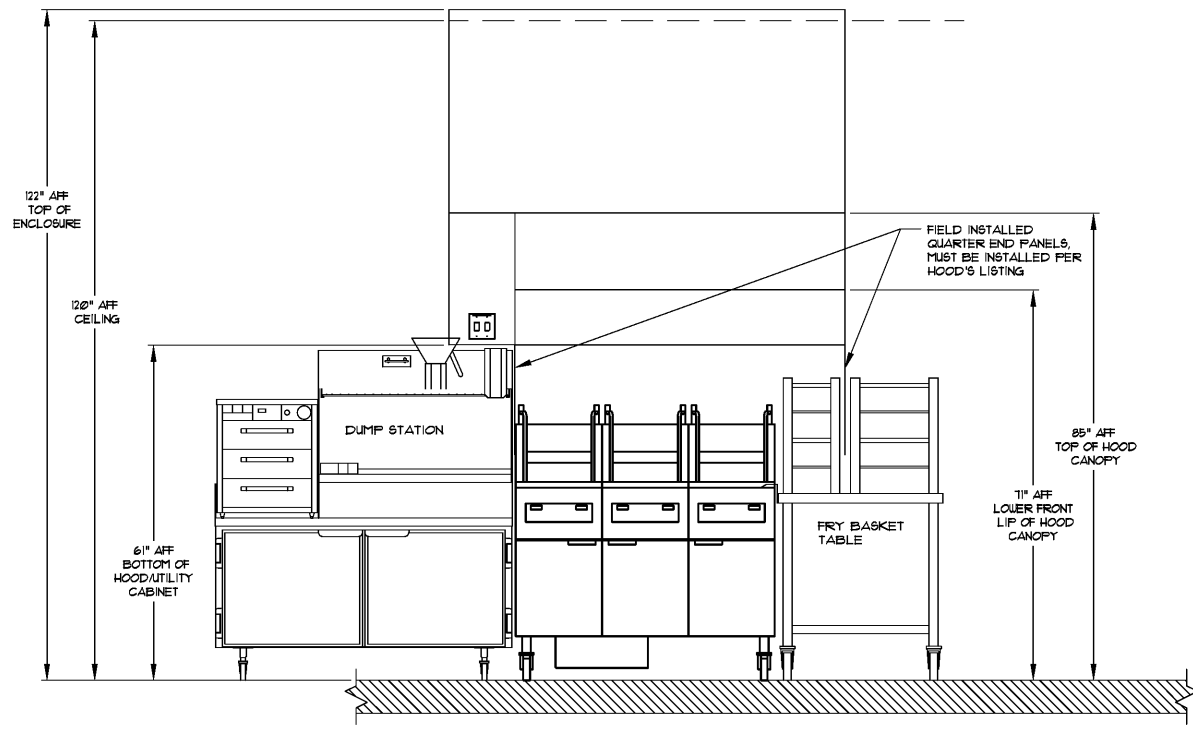
THE REGULATED RELEASE MECHANISM SHALL BE COMPATIBLE WITH A FUSIBLE LINK DETECTION SYSTEM. THE FUSIBLE LINK SHALL BE SELECTED AND INSTALLED ACCORDING TO THE OPERATING TEMPERATURE IN THE VENTILATING SYSTEM. THE FUSIBLE LINK SHALL BE SUPPORTED BY A DETECTOR BRACKET/ LINKAGE ASSEMBLY.



TYPICAL ANSEL R102 SYSTEM LAYOUT



PLAN VIEW - Hood #1 (H-1)  
5' 0.00" LONG 3044BD-2



ELEVATION VIEW - MODEL 3044BD-2

REVISIONS BY

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Fort Lauderdale, FL 33304  
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Case No. 18-0000002  
New Building for  
ARBY'S  
Store #8149  
1058 Dunlawton Ave.  
Port Orange, Florida

Date: 08.24.18  
Project Mgr: DM  
Drawn: BMD  
Job: 18-082  
Sheet  
M4