Form # P 04

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Please Read Application And Notes, If Any, Attached

Permit Number: 070191

PERMIT ISSUED

APR - 9 2007

CITY OF PORTLAND

This is to certify that FACTORS FINANCIAL FR NC /Bourgoin & Sons

has permission to Install Type 1 hood System w ire Supp sion

AT 685 CONGRESS ST 047 C034001

provided that the person or persons firm or ation accepting this permit shall comply with all of the provisions of the Statutes of ine and of the O nances of the City of Portland regulating the construction, maintenance and e of buildings and uctures, and of the application on file in this department.

Apply to Public Works for street line and grade if nature of work requires such information.

ification of inspe on mus e n and w en perm on proc d ore this ilding o rt there s ed or orwi osed-in 4 UR NO REQUIRED.

A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS

Fire Dept. _____

Health Dept. _____

Appeal Board _____

Other _____
Department Name

Director - Building & Inspection Services 3/19/07

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Issue Date:	CBL:
07-0191		047 C034001

Location of Construction:	Owner Name:	Owner Address:	Phone:
685 CONGRESS ST	FACTORS FINANCIAL FRC INC	PO BOX 7002	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Bourgoin & Sons	123 Davis Road Durham	2077491878
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	**Zone:**
		Hood Systems, Commerical	B2b

Past Use:	Proposed Use:	Permit Fee:	Cost of Work:	CEO District:
Commercial Restaurant	Commercial Restaurant - Install Type 1 hood System w/ Fire Suppression local 188 - (restaurant NAME)	$160.00	$13,900.00	2

FIRE DEPT: ☑ Approved ☐ Denied
See Conditions
Signature: Greg Cass

INSPECTION: Use Group: A-2 Type: Commercial Hood
IMC-2003
Signature: AMB 3/19/07

Proposed Project Description:
Install Type 1 hood System w/ Fire Suppression

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)
Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied
Signature: Date:

Permit Taken By:	Date Applied For:
ldobson	02/22/2007

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
3. Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

PERMIT ISSUED
CITY OF PORTLAND

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
☐ Shoreland	☐ Variance	☑ Not in District or Landmark
☐ Wetland	☐ Miscellaneous	☐ Does Not Require Review
☐ Flood Zone	☐ Conditional Use	☐ Requires Review
☐ Subdivision	☐ Interpretation	☐ Approved
☐ Site Plan	☐ Approved	☐ Approved w/Conditions
Maj ☐ Minor ☐ MM ☐	☐ Denied	☐ Denied
Date: OK 2/27/06	Date:	Date:

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT | ADDRESS | DATE | PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE | DATE | PHONE

City of Portland, Maine - Building or Use Permit

389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No:	Date Applied For:	CBL:
07-0191	02/22/2007	047 C034001

Location of Construction:	Owner Name:	Owner Address:	Phone:
685 CONGRESS ST	FACTORS FINANCIAL FRC INC	PO BOX 7002	
Business Name:	**Contractor Name:**	**Contractor Address:**	**Phone**
	Bourgoin & Sons	123 Davis Road Durham	(207) 749-1878
Lessee/Buyer's Name	**Phone:**	**Permit Type:**	
		Hood Systems, Commerical	

Proposed Use:	Proposed Project Description:
Commercial Restaurant - Install Type 1 hood System w/ Fire Suppression	Install Type 1 hood System w/ Fire Suppression

Dept: Zoning **Status:** Approved **Reviewer:** Marge Schmuckal **Approval Date:** 02/27/2007

Note: **Ok to Issue:** ☑

Dept: Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 03/19/2007

Note: **Ok to Issue:** ☑

1) The Hood shall be installed per IMC 2003 and NFPA 96

2) Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approrval prior to work.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Cptn Greg Cass **Approval Date:** 03/06/2007

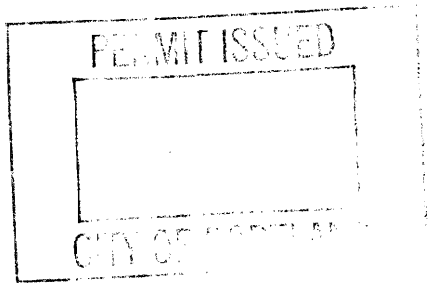
Note: **Ok to Issue:** ☑

1) This hood is not compatable with solid fuel cooking.
NFPA 96 compliance letter required

Comments:

3/16/2007-jmb: left vmail w/Dan B. For clearance to combustible at top of hood

3/19/2007-jmb: Dan B. Called to confirm the distance from the top of the hood to the drop celing is 2-3 feet and from the hood to the steel I-beams is 6 feet. Ok to issue



General Building Permit Application

If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: 685 Congress St		
Total Square Footage of Proposed Structure	Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# 47 Block# C Lot# 34	Owner: William Black	Telephone:
Lessee/Buyer's Name (If Applicable) Jay Villani	Applicant name, address & telephone: Below - 207-272-3004	Cost Of Work: $ 13900.00 Fee: $ C of O Fee: $
Current Specific use: VACANT If vacant, what was the previous use? Commercial Building Proposed Specific use: RESTAURANT Project description: Install Type I Hood System with Fire Suppression		
Contractor's name, address & telephone: Dan Bourgoin 749-1878 Who should we contact when the permit is ready: Dan Bourgoin Bourgoin & Sons LLC Mailing address: Phone: 749-1878		

DEPT. OF BUILDING INSPECTION CITY OF PORTLAND, ME
FEB 22 2007
RECEIVED

Please submit all of the information outlined in the Commercial Application Checklist. Failure to do so will result in the automatic denial of your permit.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information, go online at www.portlandmaine.gov, stop by the Building Inspections office, room 315 City Hall or call 874-8703.

I hereby certify that I am the Owner of record of the named property, or that the owner of record authorizes the proposed work and that I have been authorized by the owner to make this application as his/her authorized agent. I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in this application is issued, I certify that the Code Official's authorized representative shall have the authority to enter all areas covered by this permit at any reasonable hour to enforce the provisions of the codes applicable to this permit.

Signature of applicant: Daniel Bourgoin	Date: 2/22/07

This is not a permit; you may not commence ANY work until the permit is issued.

PORTLAND MAINE
Strengthening a Remarkable City, Buildin[illegible]munity for Life • www.portlandmaine.gov

Lee Urban- Director of Planning and Development
Michael J. Nugent- Inspections Division Director

Kitchen Exhaust System Checklist and Code Provisions

Dear Applicant,

The following is a checklist to assist you in filing for a permit for a Kitchen Exhaust system. The applicable Mechanical Code provisions have also been attached. Please complete this and submit job specific construction documents that demonstrate compliance with the attached information.

Type of System:

Type I ✓ Type II _____

(Type I systems are systems that vent fryers, grills, broilers, ovens or woks. Type II systems are systems that vent steamers and other non grease producing appliances)

Type of Materials:

Is the hood Stainless steel or other type of steel? Stainless Steel If Other, what Type? _____

Is the duct work Stainless steel or other type of steel? other If Other, what type? Crs Steel 16ga

Thickness of the steel for the hood 16ga

Thickness of the duct for the hood 16ga

Type of Hood and Duct supports
Canopy Hood thread to rod

Type of seams and Joints Solid welded

Grease Gutters provided? —

Hood Clearance from Combustibles materials 18" or wrap

Duct Clearance from Combustibles materials 18" or wrap 3m grease duct wrap

Vibration Isolation System:
N/A

Air Velocity within the duct system .75 static pressure

Grease accumulation prevention system
grease

Cleanouts N/A 8' ft run no 90°

Grease Duct enclosure 3m grease duct fire barrier duct wrap

Exhaust Termination roof

Fire Suppression system 6 Gallon wet chemical

Exhaust fan mounting and clearance from the roof or wall 18" off roof
4C to Tcp

Exhaust fan distance from other vents or openings 10'

Exhaust fan height above adjoining grade 10'

Hood Specs

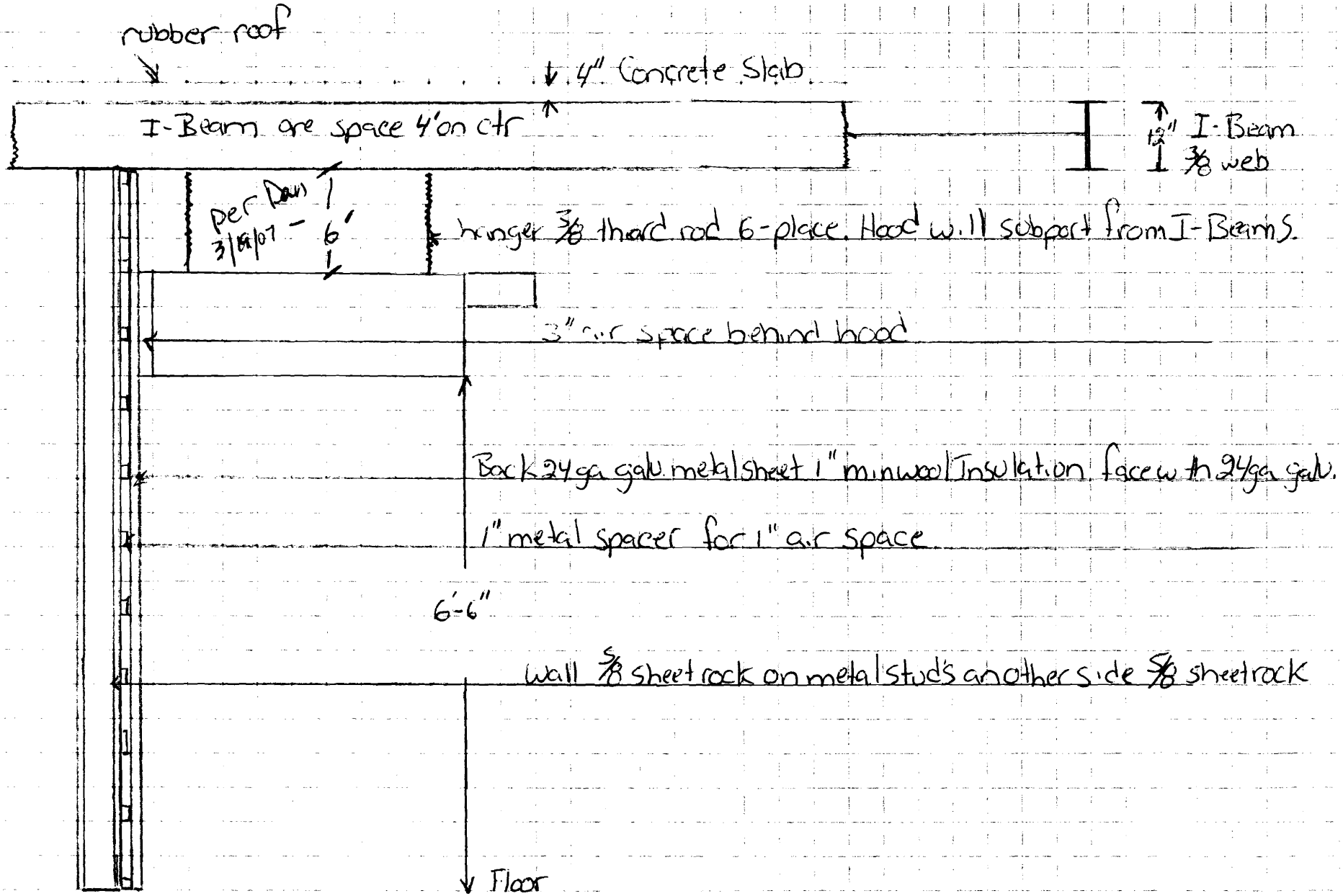
Style of hood 4' S/S wall mounted

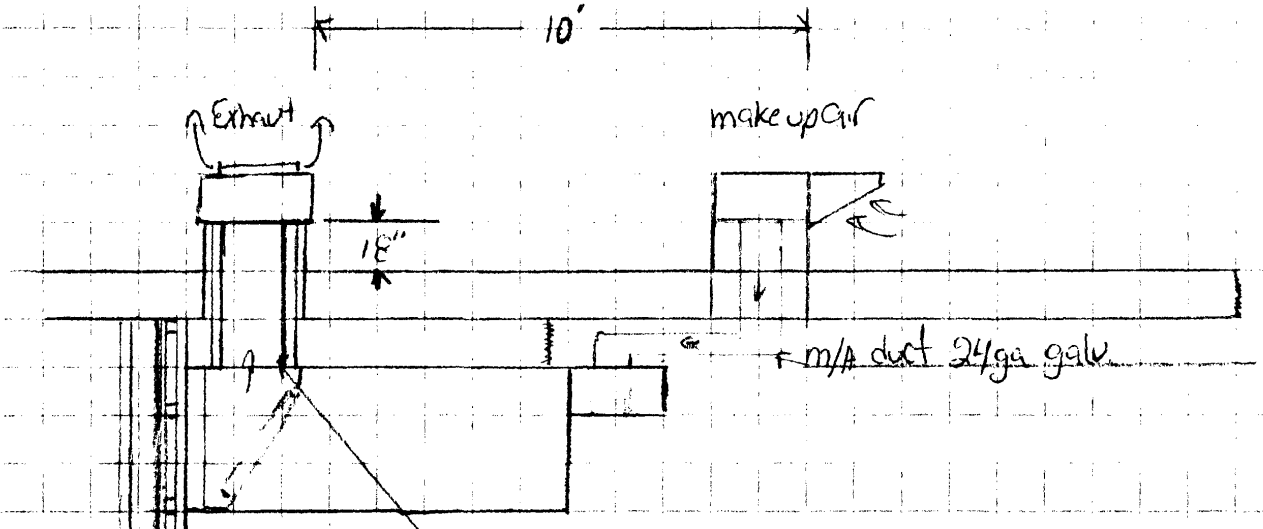
Type of Filter: Aluminum Baffle

Height of filter above nearest cooking surface: 56"

Capacity of hood in CFM 3300

Make up Air system description and capacity
roof mounted 10' from Exhuct return 2310 cfm
10.

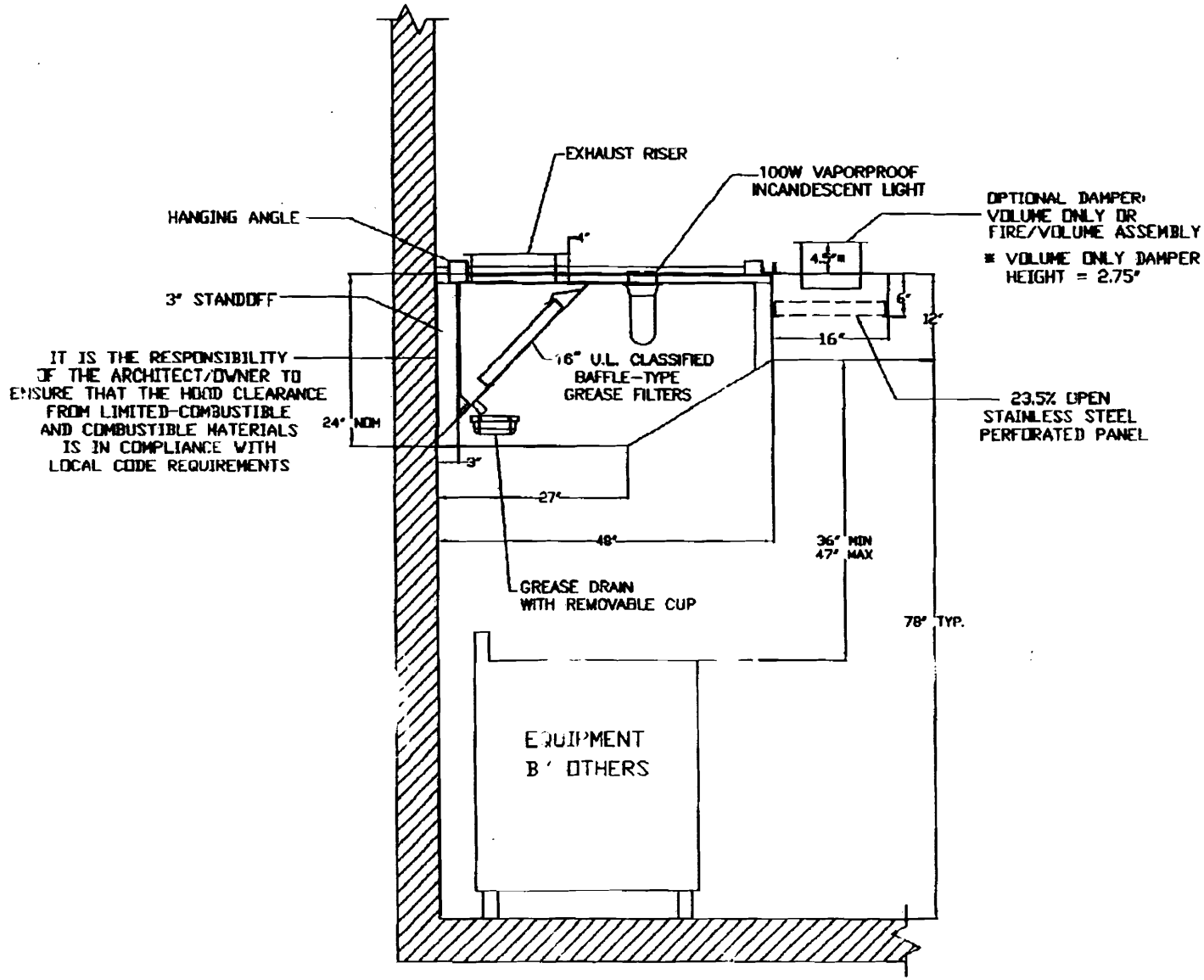

rubber roof
4" Concrete Slab
I-Beam are space 4' on ctr
12" I-Beam
3/8 web
per Dan 1/3/07 - 6'
hanger 3/8 thard rod 6-place. Hood will subport from I-Beams.
3" air space behind hood
Back 24 ga galv. metal sheet 1" min wool Insulation face with 24 ga galv.
1" metal spacer for 1" air space
6'-6"
wall 5/8 sheet rock on metal studs another side 5/8 sheetrock
Floor



Duct 16ga solid welded

Duct work to be wrap in 3m fire barrier grease duct wrap

3/9/07 per Dan Bougoin
The whole length of stack is wrapped
JM/B



SECTION VIEW – MODEL 4812-SND-2 with PSP Accessory

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted ☐

Approved with NO Exception Taken ☐

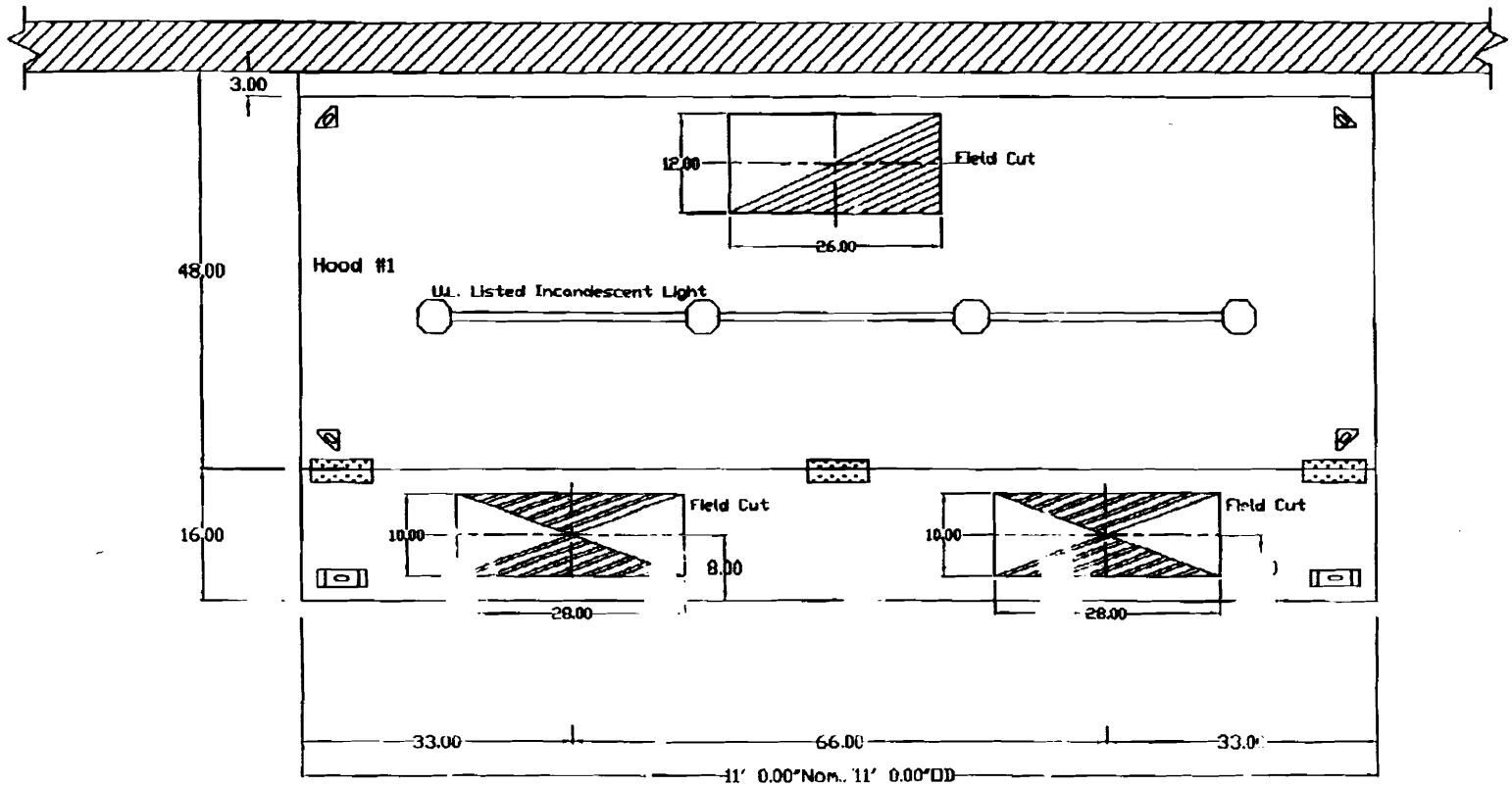
Revise and Resubmit ☐

SIGNATURE _____

Your Title _____ Date _____

CAPTIVE-AIRE

JOB	Local 188		
LOCATION			
DATE	2/2/2007	JOB #	548819
DWG #	Local188	DRAWN BY	RFC
REV	2.00	SCALE	



PLAN VIEW - 11' 0.00" LONG 4812SND-?-PSP-F

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as N ed ☐

Approved with J Exception Taken ☐

Revise and Res bmit ☐

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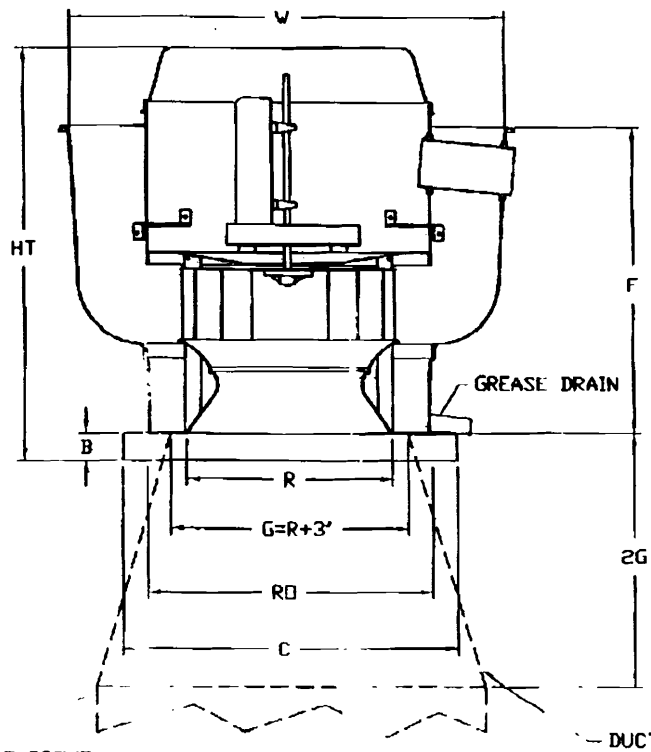
CAPTIVEAIRE

JOB	Local 188		
LOCATION			
DATE	2/2/2007	JOB #	548819
DWG #	Local188	DRAWN BY	BFC

NCAFA SERIES UPBLAST EXHAUST FANS (UL762)



FEATURES:

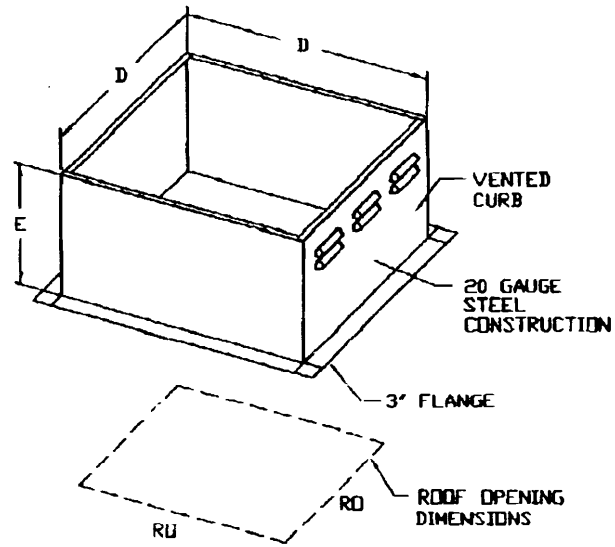
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762
- AMCA SOUND AND AIR CERTIFIED
- WIRING FROM MOTOR TO DISCONNECT SWITCH
- WEATHERPROOF DISCONNECT
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

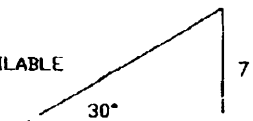
ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS:

GREASE BOX
HINGED FAN
PITCHED CURB
INSULATED CURB



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.



SPECIFY PITCH
EXAMP 7/12 PITCH = 30° SLOPE

NCAFA BELT DRIVE
CENTRIFUGAL UP-BLAST EXHAUST FANS DIMENSIONAL DATA

FAN MODEL	HT	W	B	C	F	R	RD	WEIGHT LB
NCA16FA	33 3/4	38	2	28	23 1/2	16 1/2	24 1/2	190

CURB DIMENSIONAL DATA

FAN MODEL	D	E
NCA16FA	26 1/2	20

CUSTOMER APPROVAL TO MANUFACTURE

Approved as Noted ☐
Approved with NO Exception Taken ☐
Revise and Resubmit ☐
SIGNATURE _____
Your Title _____ Date _____

CAPTIVE-AIRE

JOB	Local 188		
LOCATION			
DATE	2/2/2007	JOB #	548819
DWG #	Local188	DRAWN BY	BFC
REV.	2.00	SCALE	8.5" x 11"

FAN INFORMATION

FAN UNIT NO.	FAN UNIT MODEL #	EXHAUST FAN									SUPPLY FAN									
		MODEL	TAG	CFM	S.P.	RPM	H.P.	#	VOLT	FLA	BLOWER	HOUSING	TAG	CFM	S.P.	RPM	H.P.	#	VOLT	FLA
1	NCA16FA	NCA1GFA		3300	- 1.000"	1129	1.500	1	115	20.4										
2	NSAU1-G10										G10	NSAU1		2310	0.250"	777	1.000	1	115	14.0

FAN OPTIONS

FAN NO.	OPTION (Qty. - Descr.)
1	1 - Grease Box
2	1 - Gravity Backdraft Damper for Size 1 Housing

CURB ASSEMBLIES

NO.	ON FAN	ITEM	SIZE
1	# 1	Curb	26.500"W x 26.500"L x 20.000"H Vented Hinged
2	# 2	Curb	23.000"W x 23.000"L x 14.000"H

CUSTOMER APPROVAL TO MANUFACTURE:

Approved Noted ☐

Approved with NO Exception Taken ☐

Revise and Resubmit ☐

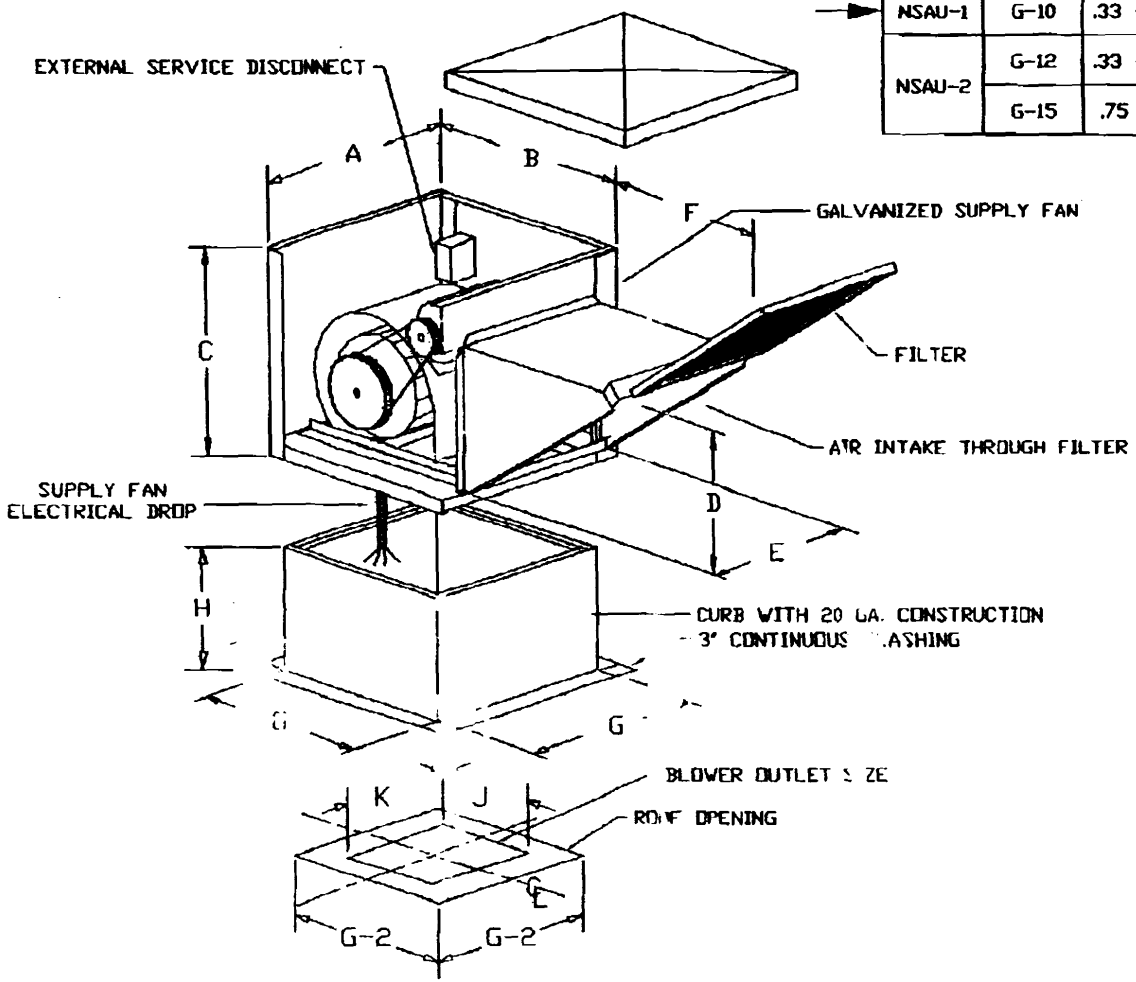
SIGNATURE _____

Your Title _____ Date _____

CAPTIVE-AIRE

JOB	Loc 188		
LOCATION			
DATE	2/2/2007	*JOB #*	548819
DWG #	Local188	*DRAWN BY*	BFC
REV.	2.00	*SCALE*	8.5" x 11"

NSAU-1 AND NSAU-2 SERIES DOWN DISCHARGE SUPPLY FANS



SUPPLY AIR UNIT DIMENSIONAL DATA

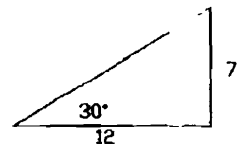
MODEL	BLOWER	HP RANGE	A	B	C	D	E	F	FILTER QTY.	FILTER SIZE	WEIGHT
NSAU-1	G-10	.33 - 2	26	32	28	20	20	26	2	16" X 20"	175 LBS
NSAU-2	G-12	.33 - 3	36	40	35	28.5	25	29	2	20" X 25"	275 LBS
	G-15	.75 -5						53.75	3	20" X 25"	315 LBS

CURB/ROOFTOP DIMENSIONAL DATA

MODEL	BLOWER	G	H	J	K
NSAU-1	G-10	23	14	11-3/4	13-1/2
NSAU-2	G-12	32.5	14	13-3/4	15-7/8
	G-15			16-1/8	18-7/8

PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH
EXAMPLE: 7/12 PITCH = 30° SLOPE



CUSTOMER APPROVAL TO MANUFACTURE

Approved as Noted ☐
Approved with NO Exception Taken ☐
Revise and Resubmit ☐
SIGNATURE _____
Your Title _____ Date _____

CAPTIVE-AIRE

JOB	Local 188		
LOCATION			
DATE	2/2/2007	JOB #	548819
DWG #	Local188	DRAWN BY	BFC
REV	2.00	SCALE	1/4" = 1'-0"

HOOD INFORMATION

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM						SUPPLY PLENUM						HOOD CONSTRUCTION	HOOD CONFIG.	
				TOTAL EXH. CFM	RISER(S) WIDTH	RISER(S) LENG.	RISER(S) DIA.	RISER(S) CFM	RISER(S) S.P.	TOTAL SUP. CFM	RISER(S) WIDTH	RISER(S) LENG.	RISER(S) DIA.	RISER(S) CFM	RISER(S) S.P.		END TO END	ROW
1	4812 SND-2-PSP-[illegible]	11' 0.00"Nom. 11' 0.00"OD	600 Deg.	3300	12"	26"		3300	-0.673"	2310						430 SS 100%	ALONE	N/A

HOOD INFORMATION

HOOD NO.	FILTER(S) TYPE	FILTER(S) QTY.	FILTER(S) HEIGHT	FILTER(S) LENGTH	LIGHT(S) QTY.	LIGHT(S) TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	FIRE SYSTEM TYPE	FIRE SYSTEM SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	SWITCHES LOCATION	FIRE SYSTEM PIPING	HOOD WEIGHT
1	Alum. Baffle w/ Handle	2	16"	16"	4	Incandescent Light	NO							NO	356 LBS.
		5	16"	20"											

PERFORATED SUPPLY PLENUM(S)

HOOD NO.	POS.	LENGTH	WIDTH	HEIGHT	RISER(S) WIDTH	RISER(S) LENG.	RISER(S) DIA.	RISER(S) CFM	RISER(S) S.P.
1	Front	132"	16"	6"	10"	28"		1155	0.174"
					10"	28"		1155	0.174"

THE HOOD MAY BE INSTALLED WITH A 0 INCH CLEARANCE TO COMBUSTIBLE MATERIALS IF CONSTRUCTED IN ONE OF THE FOLLOWING METHODS:

3" UNINSULATED STANDOFF

1" INSULATED STANDOFF

1" INSULATED BACKSPLASH

BACK RETURN SUPPLY PLENUM

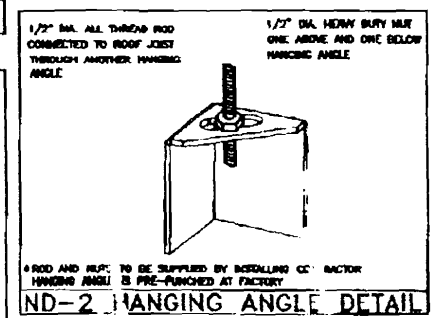
TABLE 1

CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

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

1. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS.
2. ALL PLUMBING "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY PLUMBING CONTRACTORS.
3. ALL ASSOCIATED HANGING MATERIALS BY INSTALLING CONTRACTORS.
4. 6" LONG FACTORY [illegible] AND WELDED HANGER BRACKETS AS SHOWN ON PLANS.
5. ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER THE PLANS BY MECHANICAL CONTRACTORS.
6. ALL LIGHTS SHOWN INSTALLED BY CAPTIVE-AIRE, ARE FACTORY PREWIRED PER THE PLANS, INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTOR.
7. LAMPS FOR LIGHT FIXTURES BY INSTALLING CONTRACTORS.
8. SEISMIC RESTRAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR.
9. 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.
10. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO COMMENCEMENT OF FABRICATION.
11. NOMINAL HOOD DIMENSIONS AS SHOWN ON DRAWINGS.

GENERAL NOTES



ND-2 HANGING ANGLE DETAIL

EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)

SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA=144 X $\frac{\text{CFM}}{\text{FMP(*)}}$

DUCT LENGTH= $\frac{\text{TOTAL DUCT AREA}}{\text{DUCT DEPTH}}$

*CAPTIVE-AIRE VENTILATOR DUCT SIZES ARE CALCULATED USING AN EXHAUST VELOCITY OF 1800-1880 FPM AND A SUPPLY VELOCITY OF 1000 FMP. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZES

CALCULATIONS UTILIZED

CUSTOMER APPROVAL TO MANUFACTURE:

Approved as Noted ☐

Approved with NO Exception Taken ☐

Revise and Resubmit ☐

SIGNATURE Dave Brown

Your Title _____ Date _____

CAPTIVE-AIRE

JOB	Local 188		
LOCATION			
DATE	2/2/2007	JOB #	548819
DWG #	Local188	DRAWN BY	BFC
REV	2.01	SCALE	3/4" = 1'-0"