

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK  
**CITY OF PORTLAND**

BUILDING DEPARTMENT

**PERMIT**

Permit Number: 081474

Please Read  
Application And  
Notes, If Any,  
Attached

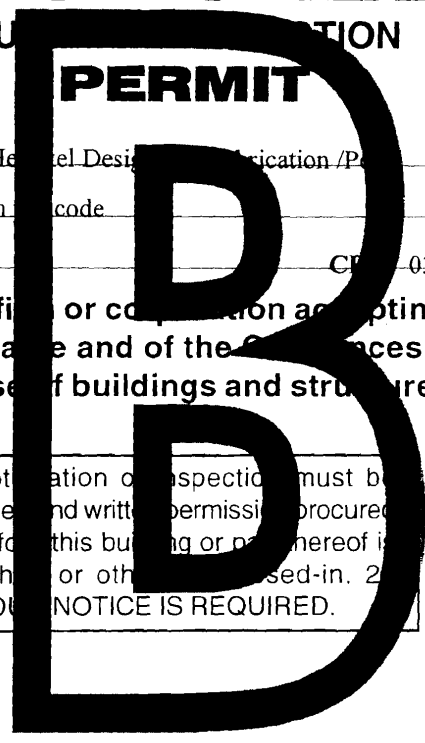
This is to certify that DICTAR ASSOCIATES II / Heibel Design / Permittation / P  
has permission to install 1 type one Hood System code \_\_\_\_\_  
AT 468 FORE ST \_\_\_\_\_ CP 038 F008001

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of buildings and structures, 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.

Notification of inspection must be given and written permission procured before this building or part thereof is lath or other work is set-in. 24 HOURS NOTICE IS 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 \_\_\_\_\_

PERMIT ISSUED  
DEC 2008  
Department Name  
CITY OF PORTLAND

12/3/08 *Cheryl M*  
Director - Building & Inspection Services

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: 08-1474	Issue Date: 12/3/08	CBL: 038 F008001
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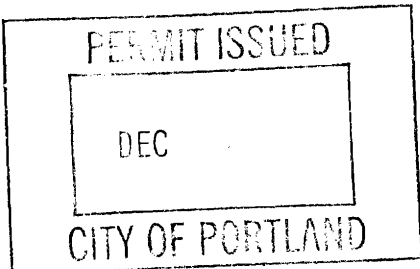
Location of Construction: 468 FORE ST	Owner Name: DICTAR ASSOCIATES II	Owner Address: PO BOX 3572	Phone:
Business Name:	Contractor Name: Henckel Design and Fabrication /Pet	Contractor Address: 134 Hartley Street Portland	Phone 2073182623
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: B-3

Past Use: Commercial - Connected w/ permit# 081323	Proposed Use: Commercial - Connected w/ permit# 081323 - install 1 type one Hood System per code	Permit Fee: \$80.00	Cost of Work: \$5,424.00	CEO District: 1
		FIRE DEPT: 1/20/08 <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: A2/R-1 Type: Hood INC-2003 TYPE 1	

Proposed Project Description: n stall 1 type one Hood System per code	Signature: <i>Gay Coas</i>	Signature: <i>CE 12/3/08</i>
PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)		
Action: <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied		
Signature: _____ Date: _____		

Permit Taken By: ldobson	Date Applied For: 11/19/2008	<b>Zoning Approval</b>
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<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building permits do not include plumbing, septic or electrical work.</p> <p>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..</p>	<p><b>Special Zone or Reviews</b></p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetland</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p>Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/></p> <p>Date: <i>9/11/08</i></p>	<p><b>Zoning Appeal</b></p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>	<p><b>Historic Preservation</b></p> <p><input checked="" type="checkbox"/> Not in District or Landmark</p> <p><input type="checkbox"/> Does Not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: _____</p>
	<p><i>allow with conditions</i></p>		



**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

<b>Permit No:</b> 08-1474	<b>Date Applied For:</b> 11/19/2008	<b>CBL:</b> 038 F008001
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<b>Location of Construction:</b> 468 FORE ST	<b>Owner Name:</b> DICTAR ASSOCIATES II	<b>Owner Address:</b> PO BOX 3572	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Henckel Design and Fabrication /Pet	<b>Contractor Address:</b> 134 Hartley Street Portland	<b>Phone:</b> (207) 318-2623
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Hood Systems, Commerical	

<b>Proposed Use:</b> Commercial - Connected w/ permit# 081323 - install 1 type one Hood System per code	<b>Proposed Project Description:</b> install 1 type one Hood System per code
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**Dept:** Zoning      **Status:** Approved with Conditions      **Reviewer:** Marge Schmuckal      **Approval Date:** 11/19/2008**Note:** **Ok to Issue:** 

- 1) The hood system shall not exceed the maximum noise requirements as regulated under the B-3 Zone. Any future complaints will be enforced strictly. Any violations shall apply all necessary mitigating features that would be required.
- 2) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.
- 3) This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

**Dept:** Building      **Status:** Approved with Conditions      **Reviewer:** Chris Hanson      **Approval Date:** 12/03/2008**Note:** **Ok to Issue:** 

- 1) Installation must comply w/ NFPA 96 and IMC 2003
- 2) No openings within 10' of exhaust or exiting openings must be rendered inoperable.

**Dept:** Fire      **Status:** Approved with Conditions      **Reviewer:** Capt Greg Cass      **Approval Date:** 11/20/2008**Note:** **Ok to Issue:** 

- 1) No details provided on how system shall exhaust. May require historic review.
- 2) Install shall comply with NFPA 96.  
A compliance letter is required

**BUILDING PERMIT INSPECTION PROCEDURES**

**Please call 874-8703 or 874-8693 (ONLY )**

**to schedule your inspections as agreed upon**

**Permits expire in 6 months, if the project is not started or ceases for 6 months.**

The Owner or their designee is required to notify the inspections office for the following inspections and provide adequate notice. Notice must be called in 48-72 hours in advance in order to schedule an inspection:

**By initializing at each inspection time, you are agreeing that you understand the inspection procedure and additional fees from a "Stop Work Order" and "Stop Work Order Release" will be incurred if the procedure is not followed as stated below.**

**A Pre-construction Meeting will take place upon receipt of your building permit.**

  X   **Final inspection required at completion of work.**

Certificate of Occupancy is not required for certain projects. Your inspector can advise you if your project requires a Certificate of Occupancy. All projects DO require a final inspection.

**If any of the inspections do not occur, the project cannot go on to the next phase, REGARDLESS OF THE NOTICE OR CIRCUMSTANCES.**

**CERIFICATE OF OCCUPANICES MUST BE ISSUED AND PAID FOR, BEFORE THE SPACE MAY BE OCCUPIED.**

\_\_\_\_\_  
Signature of Applicant/Designee

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Inspections Official

\_\_\_\_\_  
Date



# 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: <u>468 Fore St Ptd.</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# <u>38</u> Block# <u>F</u> Lot# <u>8</u>	Applicant * <u>must be owner, Lessee or Buyer</u> * Name <u>Dicker Associates II</u> Address <u>P.O. Box 3572</u> City, State & Zip <u>Portland, ME 04104</u>	Telephone:
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>5424.00</u> C of O Fee: \$ _____ Total Fee: \$ <u>80</u>
Current legal use (i.e. single family) _____ Number of Residential Units _____ If vacant, what was the previous use? _____ Proposed Specific use: _____ Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>install awc type awc hood system per Code</u>		
Contractor's name: <u>Pete Henckel</u>		
Address: <u>134 Hatley St</u>		
City, State & Zip <u>Portland Me 04103</u>		Telephone: <u>318-2623</u>
Who should we contact when the permit is ready: <u>Pete Henckel</u>		Telephone: <u>772-8952</u>
Mailing address: <u>SAME</u>		

Please submit all of the information outlined on the applicable 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 or to download copies of this form and other applications visit the Inspections Division on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), or stop by the Inspections Division 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: [Signature] Date: 11-19-08

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



Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Lee Urban - Director of Planning and Development
Jeanie Bourke - Inspection Division Services 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 [checked] 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? yes If Other, what Type?

Is the duct work Stainless steel or other type of steel? No If Other, what type? 16 Ga Black 12aw

Thickness of the steel for the hood 18Ga

Thickness of the duct for the hood 16 Ga

Type of Hood and Duct Supports

UL Rated Sanny Anchoring system with threaded Rod

Type of seams and Joints All welded

Grease Gutters provided? yes

Hood Clearance reduction to Combustibles design /specs:

2003 NFPA

Duct Clearance reduction to Combustibles design /specs:

15A Fire Barrier

Vibration Isolation System:

yes

Air Velocity within the duct system 1500 FPM

Grease accumulation prevention system:

yes

Cleanouts yes

Grease Duct enclosure yes

Exhaust Termination Roof \_\_\_\_\_ Wall X

Fire Suppression System yes

Exhaust fan mounting and clearance from the roof / wall or Combustibles:

per code

Exhaust fan distance from property lines Ground Fastened

Exhaust fan distance from other vents or openings per code

Exhaust fan distance from adjacent buildings Ground Fastened

Exhaust fan height above adjoining grade 16'

### Hood Specs

Style of Hood Type one

Type of Filter Grease Baffled

Height of filter above nearest cooking surface 48" Max

Capacity of hood CFM 250 CFM per cubic foot

Make up Air system description and capacity

Gravity Fed.



**Phone: 1-207-318-2623**

**Fax: 1-207-772-8952**

**E-mail: [petehenckel@maine.rr.com](mailto:petehenckel@maine.rr.com)**

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**Mark here is the quote for the installation of one type one hood system if you should have any questions after you read this please feel free to call.**

**#1. one hole will be cut in the exterior wall to the rear of the building to allow for exhaust ducting.**

**#2. Stainless steel will be installed where the hood is to be located.**

**#3. one type one hood system will be installed per code.**

**#4. 16 Ga welded black iron exhaust duct will be installed from the exhaust hood to the termination point out side.**

**#5. welded cleanouts will be installed every 10 feet and or where ever there's a 90 degree fitting per code.**

**#6. 15A Fire Barrier insulation will be used when ever the exhaust duct comes with in 18 inches of a combustibile item.**

**#7. exterior and interior obstruction plates will be installed and fire sealed.**

**#8. one exhaust fan will be installed where the ducting terminates.**

**Once a deposit is received plan drawings will be supplied to the city and a permit sought for the installation listed above with the balance paid upon the passing the fire inspection.**

**This quote includes no electrical work the hood fan and fire suppression system will be provided by others H/D/F will coordinated the delivery and installation with Ability Equipment Sale and Fire Safe.**

**The total for the work listed above is \$5424.00 a deposit of 50% is required to begin the work listed.**





Henckel Design and Fabrication

134 Hartley Street  
Portland, Maine  
04103

Phone: 1-207-318-2623

Fax: 1-207-772-8952

E-mail: [petehenckel@maine.rr.com](mailto:petehenckel@maine.rr.com)

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Site location; 498 fore St Portland Me.

Subject; Type one exhaust hood installation.

The hood will be hung using a UL rated anchoring system with 3/8" threaded rod from the 3x12 ceiling joist.

The ducting will be using the same anchoring system to hang it and 1"5/8 unistrut to with 3/8" threaded rod.

•Restaurant Hoods•Boiler Breaching•HVAC Design•Curb Adapters and Unit Installations•  
•Welded Ducting•Custom Welding Fabrication•

**EXHAUST FAN INFORMATION**

FAN UNIT NO.	FAN UNIT MODEL #	MODEL	TAG	CFM	S.P.	RPM	HP.	#	VOLT	FLA	WEIGHT (LBS.)
1	DUS0HFA	DUS0HFA		900	L250	1471	0.500	1	115	8.1	69.26

**FAN OPTIONS**

FAN UNIT NO.	OPTION (Qty. - Descr.)
1	1 - Grease Box

**CURB ASSEMBLIES**

NO.	ON FAN	ITEM	SIZE
1	8 1	Curb	19.500"V x 19.500"L x 20.000"H Vented Hinged

**CUSTOMER APPROVAL TO MANUFACTURE:**

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE *[Signature]*

Your Title \_\_\_\_\_ Date \_\_\_\_\_



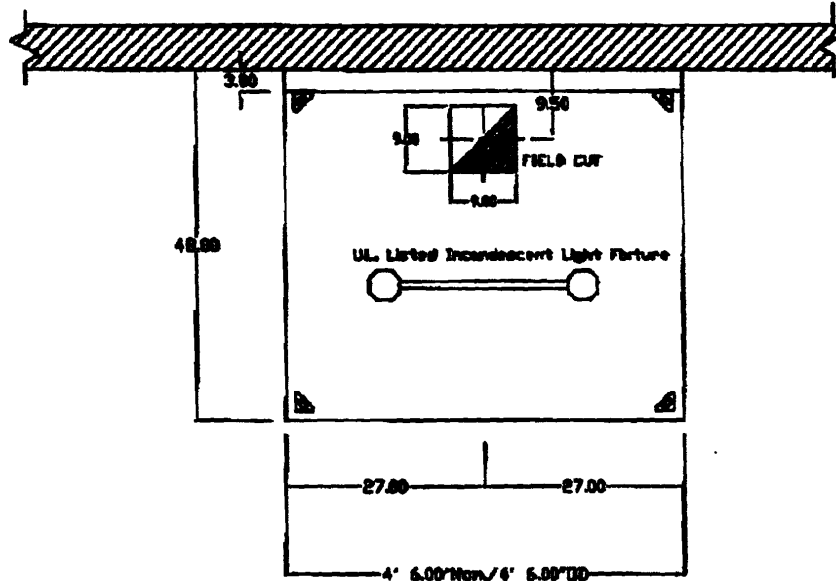
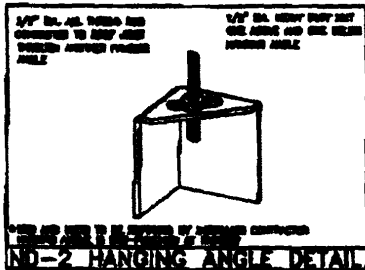
JOB Pete	
LOCATION	
DATE 11/7/2008	JOB # 854899
DWG # Pete	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'

**HOOD INFORMATION**

HOOD NO.	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM RISER(S)					SUPPLY PLENUM RISER(S)					HOOD CONSTRUCTION	HOOD CONFIG.		
				TOTAL EXH. CFM	WIDTH	LENG.	DIA.	CFM	S.P.	TOTAL SUP. CFM	WIDTH	LENG.	DIA.		CFM	S.P.	END TO END
1	4824 ND-2	4' 6.00"	450 Deg.	900	9"	9"		900	-0.360"	0					400 SS 100%	ALONE	ALONE

**HOOD INFORMATION**

HOOD NO.	FILTER(S)				LIGHT(S)			UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD WEIGHT		
	TYPE	QTY.	HEIGHT	LENGTH	QTY.	TYPE	WIRE GUARD	LOCATION	TYPE	SIZE	ELECTRICAL MODEL #			SWITCHES QUANTITY	LOCATION
1	SS Baffle with Handles	1	16"	20"	2	Incandescent Light Flat	NO							NO	210 LBS.



CAPTIVE-AIRE HOODS ARE BUILT IN COMPLIANCE WITH

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

**CUSTOMER APPROVAL TO MANUFACTURE:**

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

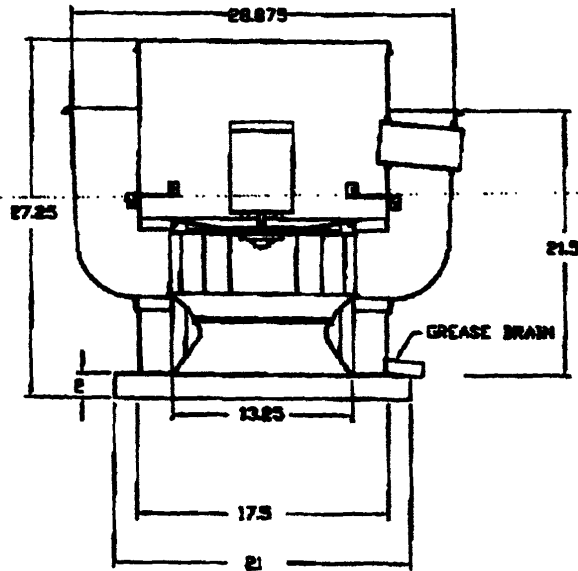
SIGNATURE: *[Signature]*

Your Title: \_\_\_\_\_ Date: \_\_\_\_\_

**CAPTIVE-AIRE**

JOB Pete	
LOCATION	
DATE 11/7/2008	JOB # 854899
DWG # Pete	DRAWN BY BFC
REV. 1.00	SCALE 8.5' x 11'

Centrifugal Upblast Direct (Fan #1 DU50HFA)



**FEATURES:**

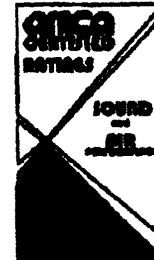
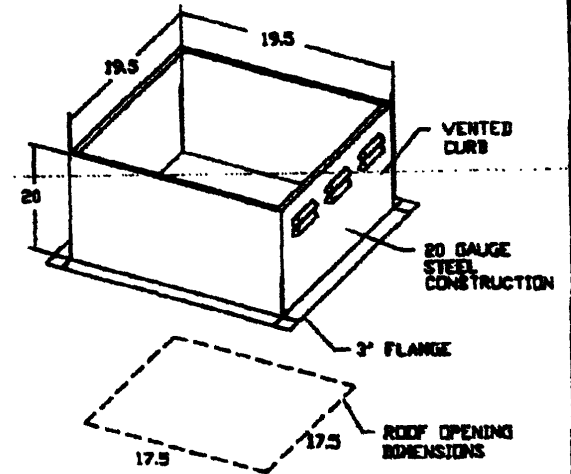
- ROOF MOUNTED FANS
- RESTAURANT MODEL
- UL762 - UL765
- VARIABLE SPEED CONTROL
- INTERNAL WIRING
- WEATHERPROOF DISCONNECT
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE)
- HIGH HEAT OPERATION 300°F (149°C)
- GREASE CLASSIFICATION TESTING

**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 (306°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



**CUSTOMER APPROVAL TO MANUFACTURE:**

Approved as Noted

Approved with NO Exception Taken

Revise and Resubmit

SIGNATURE *Pete*

Your Title \_\_\_\_\_ Date \_\_\_\_\_

<b>CAPTIVE AIR</b>		JOB Pete	
		LOCATION	
DATE 11/7/2008	JOB # 854899		
DWG # Pete	DRAWN BY BFC		
REV. 1.00	SCALE 8.5' x 11'		

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

- 3" UNBLENDED STANOFF
- 3" INSULATED STANOFF
- 1" INSULATED BACKUP
- BACK REPAIR SUPPLY PLUMB

**TABLE 1**

**ETL LISTING DESCRIPTION**  
**THE CAPTIVE AIR MODEL**  
**ND-2 HAS BEEN E-T-L**  
**TESTED, LISTED, AND**  
**APPROVED TO EXHAUST**  
**A MINIMUM OF 150 CFM PER**  
**LINEAR FOOT**  
**OVER 450 DEGREE COOKING**  
**EQUIPMENT**

1. ALL ELECTRICAL WIRING CONNECTIONS AND RELATED INSTALLATIONS TO BE PERFORMED BY LICENSED ELECTRICAL CONTRACTORS.
2. ALL FINISHES TO BE OF QUALITY AND TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
3. ALL APPLIANCES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. IF WIRE MESH FILTERS ARE USED, THEY MUST BE INSTALLED AS SHOWN ON PLANS.
5. ALL CONNECTIONS FROM COOKING ARE MUST BE MADE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
6. ALL WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND TO BE APPROVED BY LICENSED ELECTRICAL CONTRACTORS.
7. LEAVE FOR LIGHT FIXTURES OF MANUFACTURER'S INSTRUCTIONS.
8. OWNER ACCEPTS ALL RESPONSIBILITY OF PROPER INSTALLATION.
9. MANUFACTURER'S WARRANTY IS VOID IF ANY MODIFICATIONS ARE MADE TO THE HOOD OR ANY PART THEREOF. THE MANUFACTURER'S WARRANTY IS VOID IF ANY MODIFICATIONS ARE MADE TO THE HOOD OR ANY PART THEREOF.
10. HOOD AND SUPPORTING STRUCTURE OF THE EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
11. HOOD SHALL BE INSTALLED AS SHOWN ON DRAWINGS.

**GENERAL NOTES**

**CUSTOMER APPROVAL TO MANUFACTURE:**

Approved as Noted

Approved with NB Exception Taken

Revised and Resubmit

SIGNATURE PB

Your Title \_\_\_\_\_ Date \_\_\_\_\_

**CALCULATIONS UTILIZED**

EXHAUST CFM=LENGTH OF HOOD X CFM/INCH FT. (LWF)

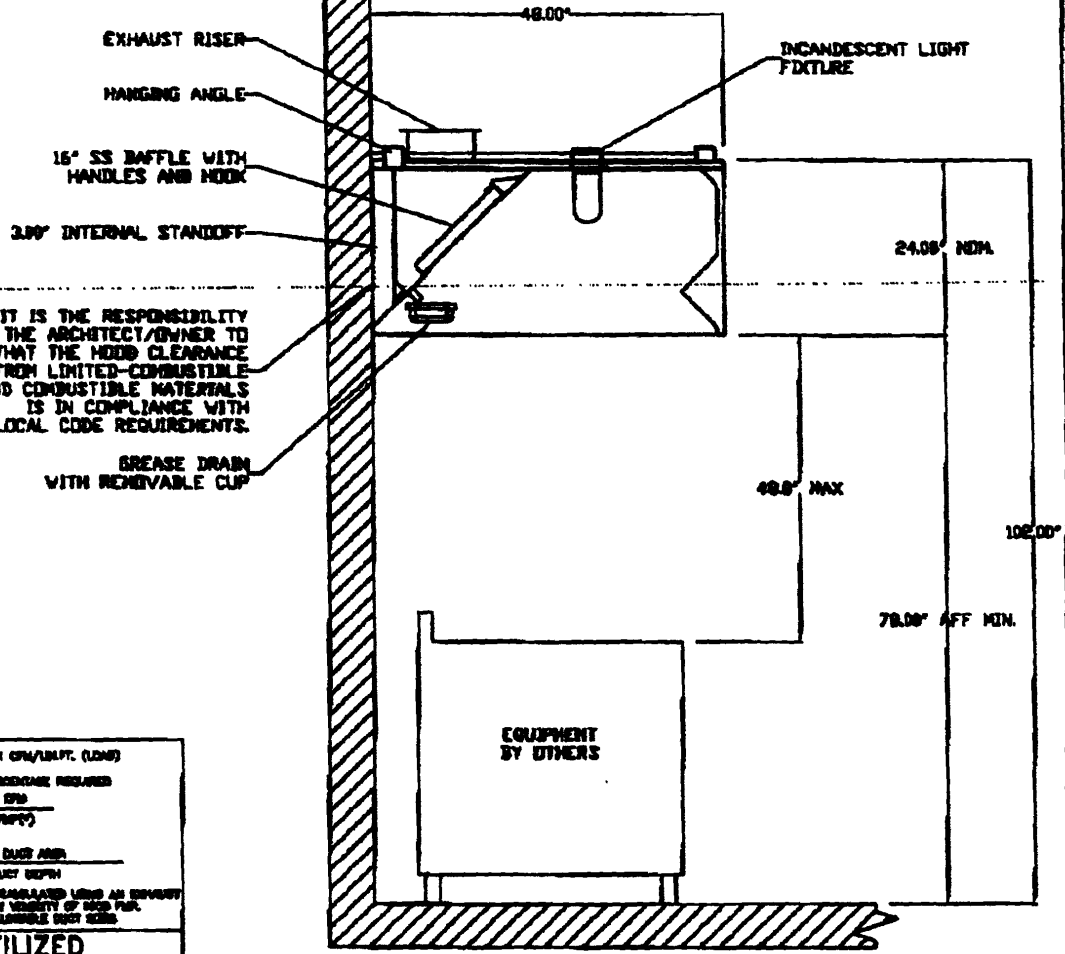
SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED

TOTAL DUCT AREA=144 X  $\frac{CFM}{7.57}$

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

\*CAPTIVE-AIR VENTILATED DUCT SYSTEMS ARE CAPABLE OF USING AN EXHAUST VELOCITY OF 1000-1400 FPM AND A SUPPLY VELOCITY OF 1000 FPM. PLEASE CONSULT FACTORY FOR MAXIMUM ALLOWABLE DUCT SIZE.

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.



**SECTION VIEW - MODEL 4B24ND-2**  
**HOOD - #1**



JOB Pete	
LOCATION	
DATE 11/7/2008	JOB # 854899
DWG # Pete	DRAWN BY BFC
REV. 1.00	SCALE 8.5" x 11"



**Henckel Design and Fabrication**

134 Hartley Street  
Portland, Maine  
04103

Phone: 1-207-318-2623

Fax: 1-207-772-8952

E-mail: [petehenckel@maine.rr.com](mailto:petehenckel@maine.rr.com)

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Attn; Mike Collins  
From; Pete Henckel  
Subject;468 Fore St hood installation

The installation of one type one hood system will be compliant with the 2003 NFPA mechanical codes and fire codes if for any reason more information is required please contact our office at any time.

Happy holidays to the city of Portland ☺

•Restaurant Hoods•Boiler Breaching•HVAC Design•Curb Adapters and Unit Installations•  
•Welded Ducting•Custom Welding Fabrication•