

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

PERMIT ISSUED
Permit Number: 060274
MAR 7 2006
CITY OF PORTLAND

This is to certify that FRENCH JAY J /Bourgoin ons
has permission to Install hood to remove steam associated with 60073
AT 796 FOREST AVE L 137 E001001

provided that the person or persons who accept 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.

Classification of inspection must be given and when permission procedure for this building or part thereof is closed or service closed-in 4 HOUR NOTIFICATION REQUIRED.

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

OTHER REQUIRED APPROVALS

Fire Dept. Craig Cass 3-6-06
Health Dept. _____
Appeal Board _____
Other _____
Department Name

[Signature] 3/6/06
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: 06-0274	Issue Date: PERMIT ISSUED	CBL: T37 E001001
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Location of Construction: 796 FOREST AVE	Owner Name: FRENCH JAY J	Owner Address: 796 FOREST AVE	Phone:
Business Name:	Contractor Name: Bourgoin & Sons	Contractor Address: 123 Davis Road Durham	Phone: 2077491878
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone:

Past Use: Commercial	Proposed Use: Commercial/ Install hood to remove steam associated w/permit#060073 <i>legal use : retail whole building</i>	Permit Fee: \$84.00	Cost of Work: \$6,350.00	CEO District: 4
Proposed Project Description: Install hood to remove steam associated w/permit#060073		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>TO NFPA 96</i>	INSPECTION: <i>TYPE II EXHAUST</i> <i>3/6/06</i> <i>HOOD</i>	

Signature: *Greg Cross* Signature: *[Signature]*

PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)

Action: Approved Approved w/Conditions Denied

Signature: _____ Date: _____

Permit Taken By: Idobson	Date Applied For: 02/28/2006	Zoning Approval	
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<ol style="list-style-type: none"> This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. Building permits do not include plumbing, septic or electrical work. 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.. 	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input checked="" type="checkbox"/> Subdivision <i>associated w/ permit change sheet 06-0073</i> <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> DC Date: 3/6/06 <i>hba</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date: _____	Historic Preservation <input type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: _____
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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.

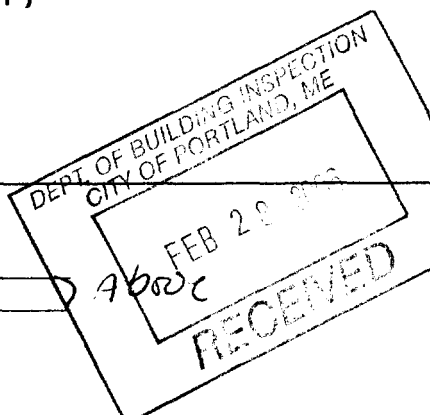
SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK. TITLE		DATE	PHONE



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.

Total Square Footage of Proposed Structure		Square Footage of Lot	
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#		Owner:	Telephone:
137 E 4 001		JAY FERNCH	
Lessee/Buyer's Name (If Applicable)	Applicant name, address & telephone:	Cost Of Work:	Fee:
Kelcie Green	Bourgin & Sons 123 Davis Rd Durham, ME 04222 353-7606	\$6350.00	\$
Current Specific use: <u>0 Vacant Space -</u>		C of O Fee: \$84 ⁰⁰ /10	
Proposed Specific use: <u>Maple's Organics</u>			
Project description: <u>install hood to Remove steam</u>			
060073			
Contractor's name, address & telephone:			
Who should we contact when the permit is ready:		Phone:	
Mailing address:		760c	
Dan Bourgin		149-1698	



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 visit us on-line 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: <u>Dan Bourgin</u>	Date: <u>2-20-06</u>
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This is not a permit; you may not commence ANY work until the permit is issued.



PORTLAND MAINE

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

*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 X 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? _____ If Other, what type? 16 ga. steel

Thickness of the steel for the hood 16 ga.

Thickness of the duct for the hood 16 ga.

Type of Hood and Duct supports

 Canopy and angle iron

Type of seams and Joints solid welded

Grease Gutters provided? No

Hood Clearance from Combustibles material 18"

Duct Clearance from Combustibles materials 3M Firemaster Duct Wrap

Vibration Isolation System: No

Air Velocity within the duct system .75 static pressure

Grease accumulation prevention system No

Cleanouts Each 90 degree elbow

Grease Duct enclosure 30 Fire Wrap

Exhaust Termination upside building to roof

Fire Suppression system suppression system if needed

Exhaust fan mounting and clearance from the roof or wall 18"

Exhaust fan distance from other vents or openings 10'

Exhaust fan height above adjoining grade 40"

Hood Specs

Style of hood Canopy

Type of Filter: Baffle

Height of filter above nearest cooking surface: 3'

Capacity of hood in CFM 2200

Make up Air system description and capacity None

2x8 Roughcut
16" on center
Ceiling Joist over
11' span

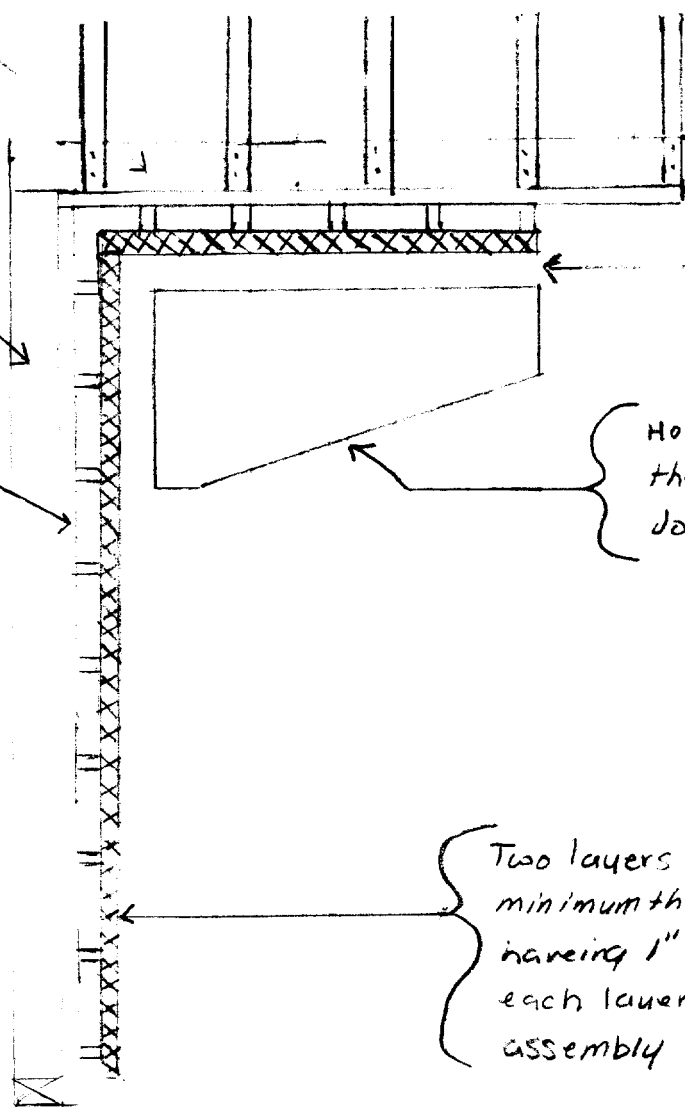
2x4 Roughcut
16" on center
wall studs

Gypsum wall board

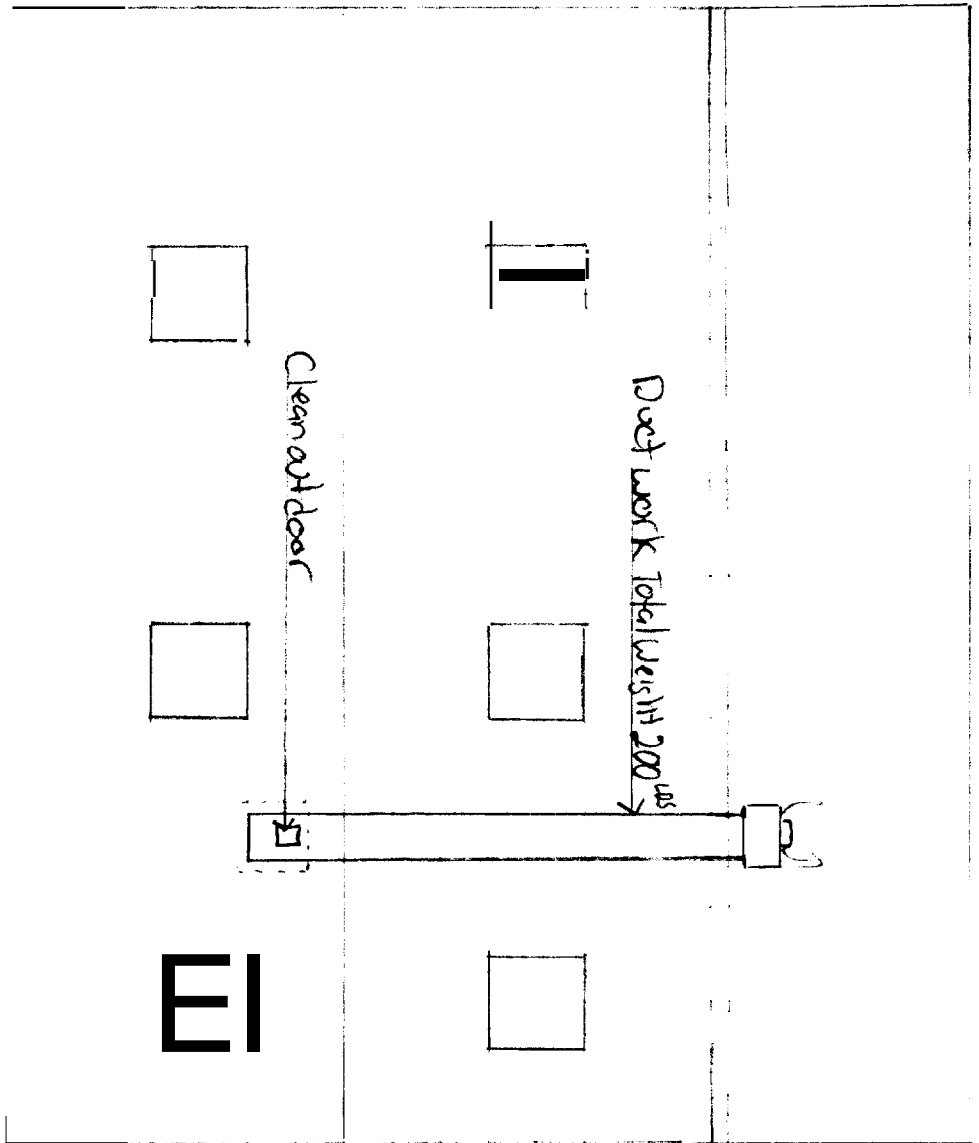
3' Air space on top and backside
of hood 18' away from
combustibles

Hood support 6 1/4" dia Lags into wall
then 3/8" threaded rod into ceiling
joist all 4 corners of the hood

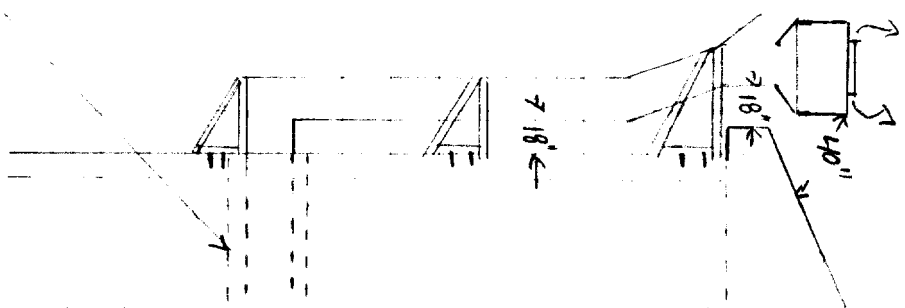
Two layers of galvanized sheet metal
minimum thickness of .024 inch (No 24 gage)
having 1" fiberglass insulation between
each layers spaced 1" off the combustible
assembly



1 1/2 x 1 1/2 x 1/8 angle iron welded to duct them 1/4 lag in wall studs



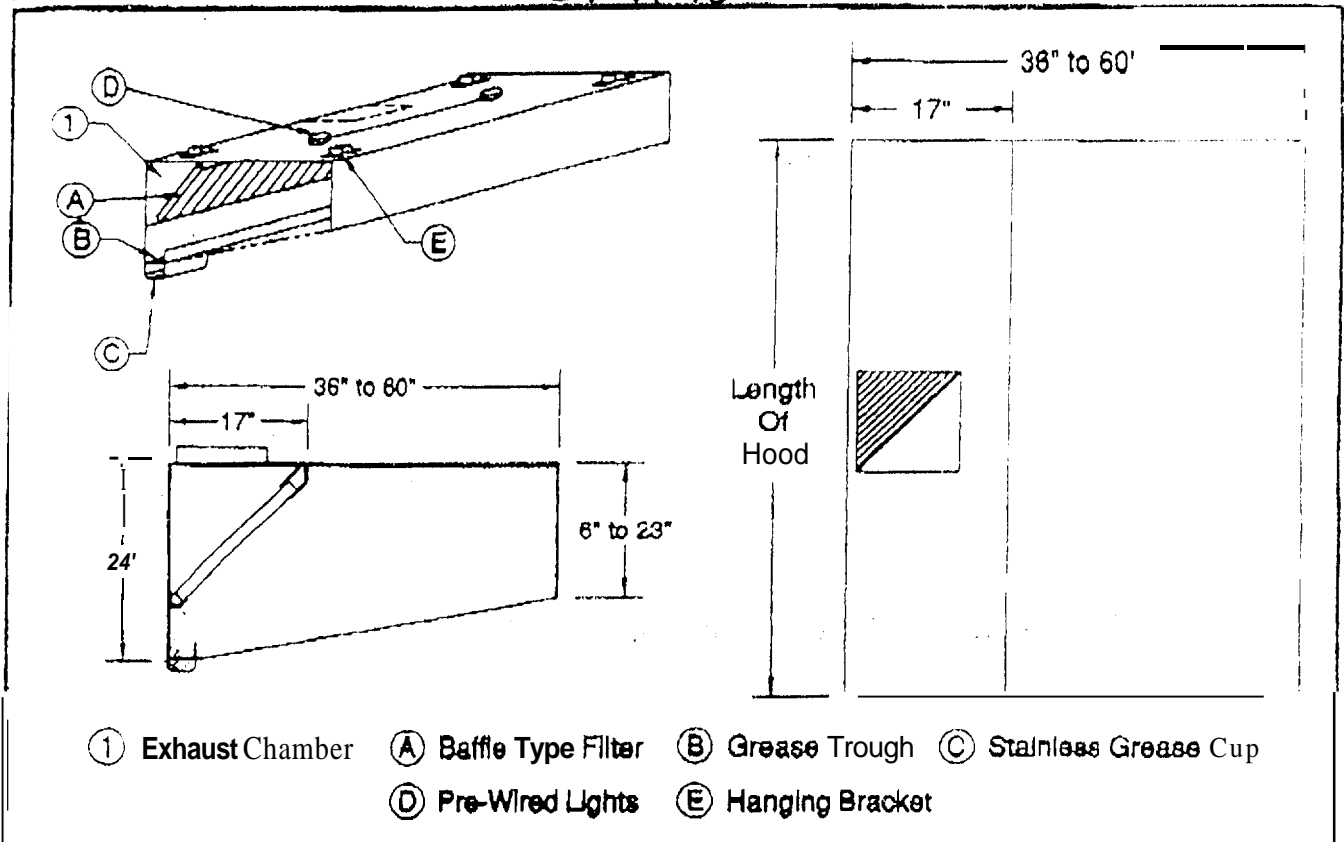
Duct wrap 3m fire barrier





Low Ceiling Box Exhaust Canopy

(4' x 48" 234 LBS)



HOOD SPECIFICATIONS:

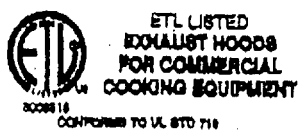
1. All hoods are constructed of 16 gauge steel.
2. All joints are welded liquid tight, without seams by an automatic wire led mig welder
3. All hoods are built in accordance to NFPA 96, NSF specifications, & U.L. 710 specifications.
4. Grease trough 4 made to receive grease extracted by filters.
- 5 Grease filters are of baffle type (20" wide) and carry a U.L. listing. They are made from a light weight aluminum steel
- 6 A stainless steel wp attaches to the tray that runs the entire length of the hood.

DELUXE
ALL STAINLESS STEEL

HYBRID
FROM & SIDES STAINLESS
TOP & BACK ALUMINIZED

ECONOMY
ALL ALUMINIZED

American Hood Systems, Inc. "Your Exhaust Hood Specialist"
WWW.AMERICANHOOD.COM

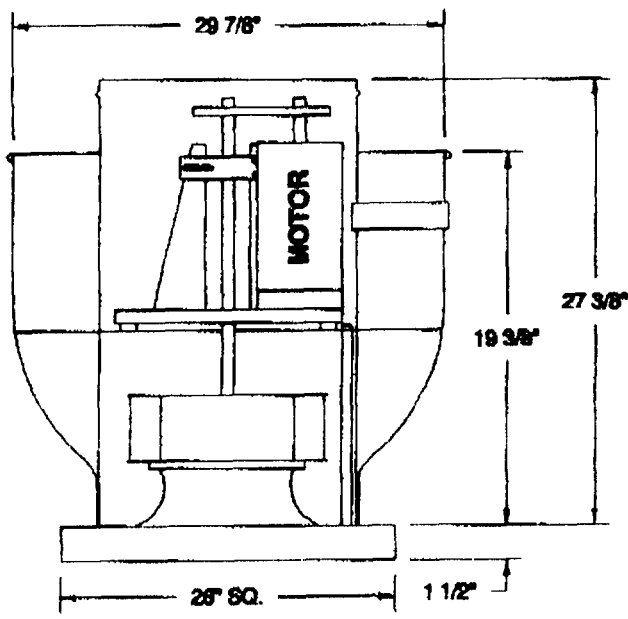


177 Reaser Court
 Elyria, Ohio 44036
 Telephone: 440-365-4567
 Toll Free: 800-854-3267



P.O. Box 1377
 Elyria, Ohio 44036-1377
 Fax: 440-365-2100
 www.americanhood.com

PERFORMANCE DATA



(77LB)

PHASE	1	
VOLTS	115	230
AMPS	11.0	5.4
HP	3/4	

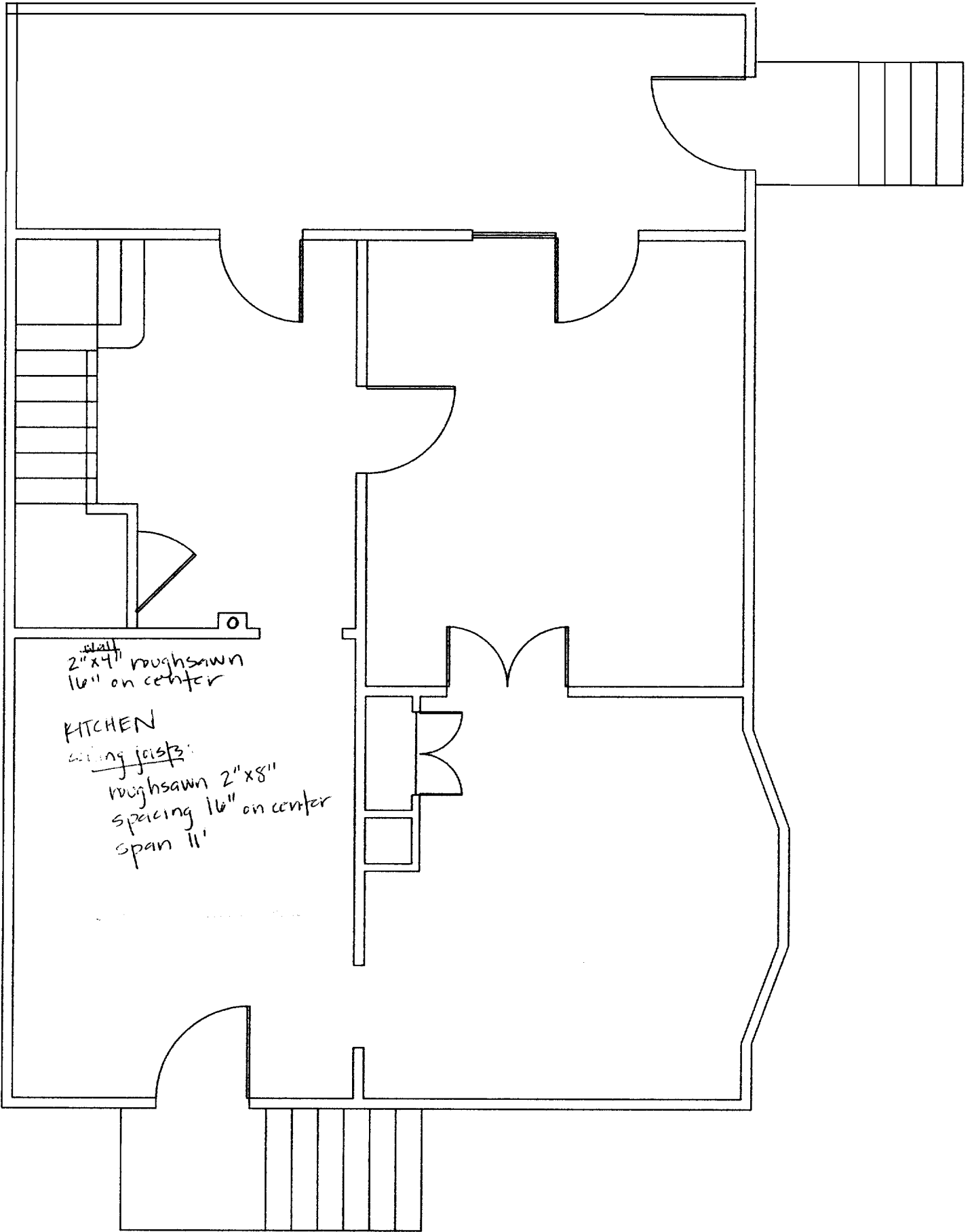
DIMENSIONAL DATA
 26" SQ. CURB

RPM	.000" S.P.		.125" S.P.		.250" S.P.		.375" S.P.		.50" S.P.		.625" S.P.		.75" S.P.		.875" S.P.		1.00" S.P.		1.25" S.P.		1.50" S.P.	
	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone	CFM	Sone
1353	2554	16.2	2473	16.2	2300	16.1	2303	15.5	2211	15.2	2112	15.0	2008	14.9	1891	14.2	1757	14.0	905	11.8	-	-
1403	2649	17.1	2570	16.7	2400	16.5	2408	16.5	2320	16.3	2207	15.7	2127	15.4	2021	15.2	1902	14.9	1578	13.5	-	-
1489	2811	18.1	2735	17.9	2608	17.8	2582	17.7	2503	17.1	2414	16.9	2325	16.5	2281	16.4	2123	15.7	1875	15.0	1412	13.9

STANDARD FEATURES

- HEAVY GAUGE ALUMINUM HOUSING
- 3-YEAR LIMITED WARRANTY ON ALL ELECTRIC MOTORS
- FACTORY SET DRIVE
- BELT DRIVEN MOTORS ARE ENCLOSED IN WEATHER-TIGHT COMPARTMENTS
- AVERAGE UNIT WEIGHT: 77 LBS





slab
2" x 4" roughsawn
16" on center

KITCHEN
ceiling joists:
roughsawn 2" x 8"
spacing 16" on center
span 11'

4.1.4* Cooking equipment used in fixed, mobile, or temporary concessions, such as trucks, buses, trailers, pavilions, tents, or any form of roofed enclosure, shall comply with this standard.

4.2* Clearance.

4.2.1 Where enclosures are not required, hoods, grease removal devices, exhaust fans, and ducts shall have a clearance of at least 457 mm (18 in.) to combustible material, 75 mm (3 in.) to limited-combustible material, and 0 mm (0 in.) to noncombustible material.

4.2.2 Where a hood, duct, or grease removal device is listed for clearances less than those required in 4.2.1, the listing requirements shall be permitted.

(4.2.3 Clearance Reduction.)

4.2.3.1 Where a clearance reduction system consisting of 0.30 mm (0.012 in.) (28 gauge) sheet metal spaced out 25 mm (1 in.) on noncombustible spacers is provided, there shall be a minimum of 229 mm (9 in.) clearance to combustible material.

4.2.3.2 Where a clearance reduction system consisting of 0.59 mm (0.027 in.) (22 gauge) sheet metal on 25 mm (1 in.) mineral wool batts or ceramic fiber blanket reinforced with wire mesh or equivalent spaced out 25 mm (1 in.) on noncombustible spacers is provided, there shall be a minimum of 75 mm (3 in.) clearance to combustible material.

4.2.3.3 Zero clearance to limited-combustible materials shall be permitted where protected by metal lath and plaster, ceramic tile, quarry tile, other noncombustible materials or assembly of noncombustible materials, or materials and products that are listed for the purpose of reducing clearance.

4.2.4 Clearance Integrity.

4.2.4.1 In the event of damage, the material or product shall be repaired and restored to meet its intended listing or clearance requirements and shall be acceptable to the authority having jurisdiction.

4.2.4.2* In the event of a fire within a kitchen exhaust system, the duct and its enclosure (rated shaft, factory-built grease duct enclosure, or field-applied grease duct enclosure) shall be inspected by qualified personnel to determine whether the duct and protection method are structurally sound, capable of maintaining their fire protection function, and in compliance with this standard for continued operation.

4.2.4.3 Protection shall be provided on the wall from the bottom of the hood to the floor, or to the top of the noncombustible material extending to the floor, to the same level as required in 4.2.1.

4.2.4.4 The protection methods for ducts to reduce clearance shall be applied to the combustible or limited-combustible construction, not to the duct itself.

4.3 Field-Applied and Factory-Built Grease Duct Enclosures.

4.3.1 Field-applied grease duct enclosures and factory-built grease duct enclosures shall be listed in accordance with UL 221, *Standard for Tests of Fire Resistant Grease Duct Enclosure Assemblies*, or equivalent standard and installed in accordance with the manufacturer's instructions and the listing requirements.

4.3.2 Field-applied grease duct enclosures and factory-built grease duct enclosures shall demonstrate that they provide mechanical and structural integrity, resiliency, and stability when subjected to expected building environmental conditions, duct movement under general operating conditions, and duct movement due to fire conditions.

4.3.3 The specifications of material, gauge, and construction of the duct used in the testing and listing of field-applied grease duct enclosures and factory-built grease duct enclosures shall be included as minimum requirements in their listing and installation documentation.

4.3.4 **Clearance Options for Field-Applied and Factory-Built Grease Duct Enclosures.** The following clearance options for which field-applied grease duct enclosures and factory-built grease duct enclosures have been successfully evaluated shall be clearly identified in their listing and installation documentation and on their label:

- (1) Open combustible clearance at manufacturer's requested dimensions
- (2) Closed combustible clearance at manufacturer's requested dimensions, with or without specified ventilation
- (3) Rated shaft clearance at manufacturer's requested dimensions, with or without specified ventilation

4.4 Building and Structural Duct Contact.

4.4.1 A duct shall be permitted to contact noncombustible floors, interior walls, and other noncombustible structures or supports, but it shall not be in contact for more than 50 percent of its surface area per each lineal foot of contact length.

4.4.2 Where duct contact must exceed the requirements of 4.4.1, the duct shall be protected from corrosion.

4.4.3 Where the duct is protected with a material or product listed for the purpose of reducing clearance to zero, the duct shall be permitted to exceed the contact limits of 4.4.1 without additional corrosion protection.

4.5 **Duct Clearances to Enclosures.** Clearances between the duct and interior surfaces of enclosures shall meet the requirements of Section 4.2.

4.6 **Drawings.** A drawing(s) of the exhaust system installation, along with a copy of operating instructions for subassemblies and components used in the exhaust system, including electrical schematics, shall be kept on the premises.

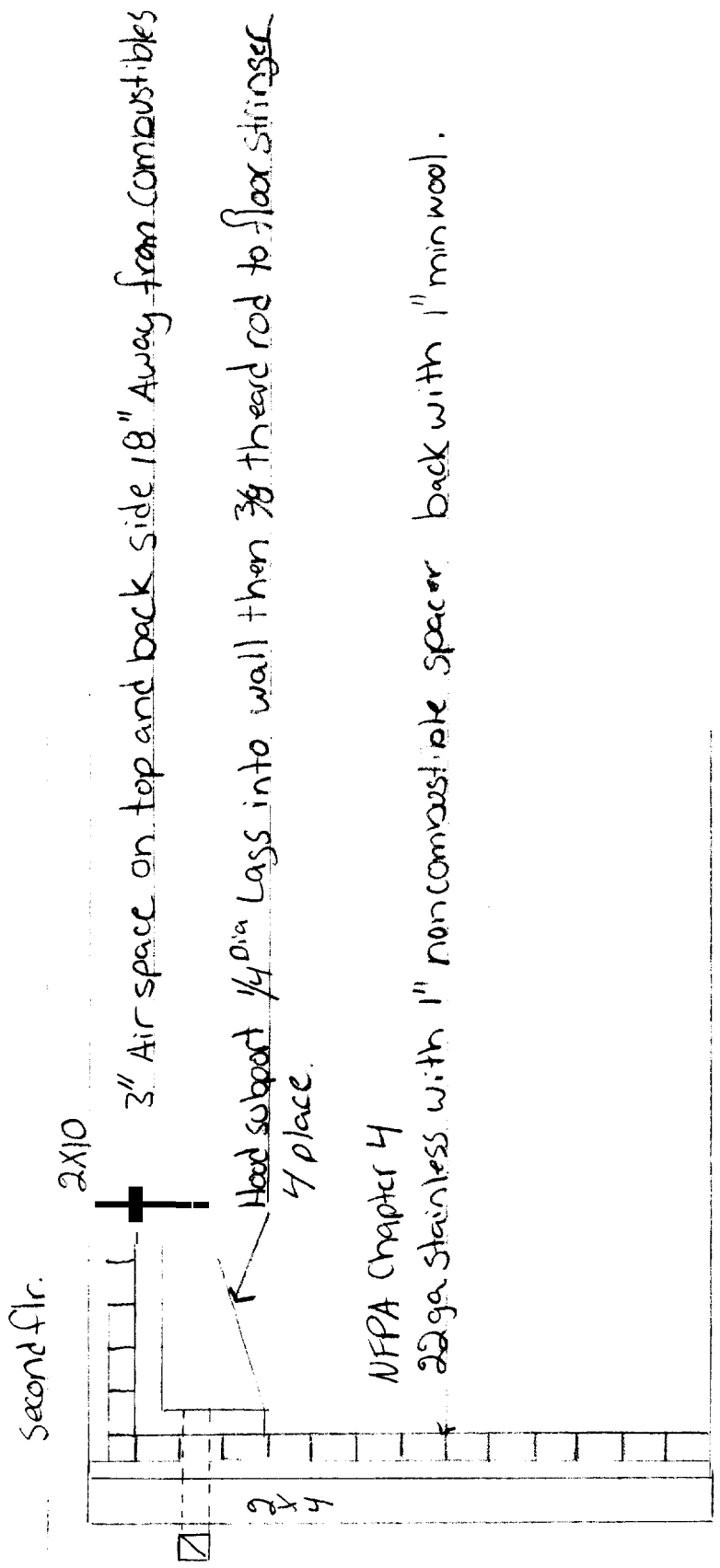
4.7 **Authority Having Jurisdiction Notification.** If required by the authority having jurisdiction, notification in writing shall be given of any alteration, replacement, or relocation of any exhaust or extinguishing system or part thereof or cooking equipment.

Chapter 5 Hoods

5.1 Construction.

5.1.1 The hood or that portion of a primary collection means designed for collecting cooking vapors and residues shall be constructed of and be supported by steel not less than 1.09 mm (0.043 in.) (No. 18 MSG) in thickness, stainless steel not less than 0.94 mm (0.037 in.) (No. 20 MSG) in thickness, or other approved material of equivalent strength and fire and corrosion resistance.

Venting Steam.



City of Portland, Maine - Building or Use Permit

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

Permit No: 06-0274	Date Applied For: 02/28/2006	CBL: 137 E001001
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Location of Construction: 796 FOREST AVE	Owner Name: FRENCH JAY J	Owner Address: 796 FOREST AVE	Phone:
Business Name:	Contractor Name: Bourgoin & Sons	Contractor Address: 123 Davis Road Durham	Phone (207) 749-1878
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	

Proposed Use: Commercial/ Install hood to remove steam associated w/permit#060073	Proposed Project Description: Install hood to remove steam associated w/permit#060073
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Dept: Zoning	Status: Approved	Reviewer: Ann Machado	Approval Date: 03/06/2006	Note:	Ok to Issue: <input type="checkbox"/>
Dept: Building	Status: Approved with Conditions	Reviewer: Mike Nugent	Approval Date: 03/06/2006	Note: 1) This system has been approved as a class II system, with no cooking allowed other than boiling or steaming of non grease laden products.	Ok to Issue: <input type="checkbox"/>
Dept: Fire	Status: Approved with Conditions	Reviewer: Cptn Greg Cass	Approval Date: 03/06/2006	Note: 1) Install shall comply with NFPA 96	Ok to Issue: <input type="checkbox"/>