

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED		Permit No: 01-0515	Issue Date: MAY 17 2001	CBL: 030 D012001
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Location of Construction: 72 Commercial St	Owner Name: Watson, Tom	Owner Address: Spring Street	Phone:
Business Name: n/a	Contractor Name: National Air & Ref.	Contractor Address: 173 Indian Village Road Shapleigh	Phone: 2073293207
Lessee/Buyer's Name: n/a	Phone: n/a	Permit Type: Alterations - Commercial	Zone: WCT

Past Use: Commercial / Restaurant	Proposed Use: Same / New exhaust for Clay Oven's pipe & exhaust fans.	Permit Fee: \$48.00	Cost of Work: \$4,000.00	CEO District: 1
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied	INSPECTION: Use Group: A-3 Type: 3B	

Proposed Project Description: New Exhaust Pipes & Fans	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</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: gg	Date Applied For: 05/11/2001	Zoning Approval	
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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>Special Zone or Reviews</p> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>5/15/01</i>	<p>Zoning Appeal</p> <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:	<p>Historic Preservation</p> <input checked="" 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: <i>5/15/01</i>
	<p><i>with conditions</i></p> <p>PERMIT ISSUED WITH REQUIREMENTS</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

BUILDING PERMIT REPORT

DATE: 12 MAY 2001 ADDRESS: 72 Commercial ST CBL: 030-D-012

REASON FOR PERMIT: New Exhaust System For Day Over's

BUILDING OWNER: Tom Watson

PERMIT APPLICANT: _____ (CONTRACTOR NATIONAL AIR & REF.)

USE GROUP: A-3 CONSTRUCTION TYPE: 3-B CONSTRUCTION COST: \$4,000.00 PERMIT FEES: \$400

The City's Adopted Building Code (The BOCA National Building Code/1999 with City Amendments)
The City's Adopted Mechanical Code (The BOCA National Mechanical Code/1993)

CONDITION(S) OF APPROVAL

This permit is being issued with the understanding that the following conditions shall be met: *1, *28, *38, *39, *40
#41

- *1. This permit does not excuse the applicant from meeting applicable State and Federal rules and laws.
2. Before concrete for foundation is placed, approvals from the Development Review Coordinator and Inspection Services must be obtained. (A 24 hour notice is required prior to inspection) "ALL LOT LINES SHALL BE CLEARLY MARKED BEFORE CALLING."
3. Foundation drain shall be placed around the perimeter of a foundation that consists of gravel or crushed stone containing not more than 10 percent material that passes through a No. 4 sieve. The drain shall extend a minimum of 12 inches beyond the outside edge of the footing. The thickness shall be such that the bottom of the drain is not higher than the bottom of the base under the floor, and that the top of the drain is not less than 6 inches above the top of the footing. The top of the drain shall be covered with an approved filter membrane material. Where a drain tile or perforated pipe is used, the invert of the pipe or tile shall not be higher than the floor elevation. The top of joints or top of perforations shall be protected with an approved filter membrane material. The pipe or tile shall be placed on not less than 2" of gravel or crushed stone, and shall be covered with not less than 6" of the same material. Section 1813.5.2
4. Foundations anchors shall be a minimum of 1/2" in diameter, 7" into the foundation wall, minimum of 12" from corners of foundation and a maximum 6" O.C. between bolts. Section 2305.17
5. Waterproofing and dampproofing shall be done in accordance with Section 1813.0 of the building code.
6. Precaution must be taken to protect concrete and masonry. Concrete Sections 1908.9-19.8.10/ Masonry Sections 2111.3-2111.4.
7. It is strongly recommended that a registered land surveyor check all foundation forms before concrete is placed. This is done to verify that the proper setbacks are maintained.
8. Private garages located beneath habitable rooms in occupancies in Use Group R-1, R-2, R-3 or I-1 shall be separated from adjacent interior spaces by fire partitions and floor/ceiling assembly which are constructed with not less than 1-hour fire resisting rating. Private garages attached side-by-side to rooms in the above occupancies shall be completely separated from the interior spaces and the attic area by means of 1/2 inch gypsum board or the equivalent applied to the garage side. (Chapter 4, Section 407.0 of the BOCA/1999)
9. All chimneys and vents shall be installed and maintained as per Chapter 12 of the City's Mechanical Code. (The BOCA National Mechanical Code/1993). Chapter 12 & NFPA 211
10. Sound transmission control in residential building shall be done in accordance with Chapter 12, Section 1214.0 of the City's Building Code.
11. Guardrails & Handrails: A guardrail system is a system of building components located near the open sides of elevated walking surfaces for the purpose of minimizing the possibility of an accidental fall from the walking surface to the lower level. Minimum height all Use Groups 42". In occupancies in Use Group A, B, H-4, I-1, I-2, M, R, public garages and open parking structures, open guards shall have balusters or be of solid material such that a sphere with a diameter of 4" cannot pass through any opening. Guards shall not have an ornamental pattern that would provide a ladder effect. Handrails shall be a minimum of 34" but not more than 38". Exception: Handrails that form part of a guard shall have a height not less than 36 inches (914 mm) and not more than 42 inches (1067 mm). Handrail grip size shall have a circular cross section with an outside diameter of at least 1 1/4" and not greater than 2". (Sections 1021 & 1022.0). Handrails shall be on both sides of stairway. (Section 1014.7)
12. Headroom in habitable space is a minimum of 7'6". (Section 1204.0)
13. Stair construction in Use Group R-3 & R-4 is a minimum of 10" tread and 7 3/4" maximum rise. All other Use Group minimum 11" tread, 7" maximum rise. (Section 1014.0)
14. The minimum headroom in all parts of a stairway shall not be less than 80 inches. (6'8") 1014.4
15. The Minimum required width of a corridor shall be determined by the most restrictive of the criteria under section 1011.3 but not less than 36".
16. Every sleeping room below the fourth story in buildings of Use Groups R and I-1 shall have at least one operable window or exterior door approved for emergency egress or rescue. The units must be operable from the inside without the use of special knowledge or separate tools. Where windows are provided as means of egress or rescue they shall have a sill height not more than 44 inches (1118mm) above the floor. All egress or rescue windows from sleeping rooms shall have a minimum net clear opening height dimension of 24 inches (610mm). The minimum net clear opening width dimension shall be 20 inches (508mm), and a minimum net clear opening of 5.7 sq. ft. (Section 1010.4)
17. Each apartment shall have access to two (2) separate, remote and approved means of egress. A single exit is acceptable when it exits directly from the apartment to the building exterior with no communications to other apartment units. (Section 1010.1)
18. All vertical openings shall be enclosed with construction having a fire rating of at least one (1) hour, including fire doors with self closure's. (Over 3 stories in height requirements for fire rating is two (2) hours. (Section 710.0)
19. The boiler shall be protected by enclosing with (1) hour fire rated construction including fire doors and ceiling, or by providing automatic extinguishment. (Table 302.1.1)

5/11

20. All single and multiple station smoke detectors shall be of an approved type and shall be installed in accordance with the provisions of the City's Building Code Chapter 3, Section 2205.2 (i.e. On National Building Code/2003), and NFPA #10 Chapter 18.9.10. (On a list attached) shall be installed and maintained at the following locations):

- In the immediate vicinity of bedrooms
- In all bedrooms
- In each story within a dwelling unit, including basements

21. A portable fire extinguisher shall be located as per NFPA #10. They shall bear the label of an approved agency and be of an approved type. (Section 921.0)

22. The Fire Alarm System shall be installed and maintained to NFPA #72 Standard.

23. The Sprinkler System shall be installed and maintained to NFPA #13 Standard.

24. All exit signs, lights and means of egress lighting shall be done in accordance with Chapter 10 Section & Subsections 1023.0 & 1024.0 of the City's Building Code. (The BOCA National Building Code/1999)

25. Section 25 - 135 of the Municipal Code for the City of Portland states, "No person or utility shall be granted a permit to excavate or open any street or sidewalk from the time of November 15 of each year to April 15 of the following year".

26. The builder of a facility to which Section 4594-C of the Maine State Human Rights Act Title 5 MRSA refers, shall obtain a certification from a design professional that the plans commencing construction of the facility, the builder shall submit the certification the Division of Inspection Services.

27. Ventilation and access shall meet the requirements of Chapter 12 Sections 1210.0 and 1211.0 of the City's Building Code. (Crawl spaces & attics).

~~28. All electrical, plumbing and HVAC permits must be obtained by Master Licensed holders of their trade. No closing in of walls until all electrical (min. 72 hours notice) and plumbing inspections have been done.~~

29. All requirements must be met before a final Certificate of Occupancy is issued.

30. All building elements shall meet the fastening schedule as per Table 2305.2 of the City's Building Code (The BOCA National Building Code/1996).

31. Ventilation of spaces within a building shall be done in accordance with the City's Mechanical code (The BOCA National Mechanical Code/1993). (Chapter M-16)

32. Please read and implement the attached Land Use Zoning report requirements.

33. Boring, cutting and notching shall be done in accordance with Sections 2305.3, 2305.3.1, 2305.4.4 and 2305.5.1 of the City's Building Code.

34. Bridging shall comply with Section 2305.16.

35. Glass and glazing shall meet the requirements of Chapter 24 of the building code. (Safety Glazing Section 2406.0)

36. All flashing shall comply with Section 1406.3.10.

37. All signage shall be done in accordance with Section 3102.0 signs of the City's Building Code, (The BOCA National Building Code/1999).

~~38. The proposed system shall meet the requirement set forth by the manufacturer's requirements & the design by E. Scotti, Sheriff P.E. # 4837. See drawings by PG and spec. by Cheminee Living E. Inc.~~

~~39. Mechanical Equipment shall comply with Chapter 4 of the City's mech. Code. The BOCA mech. Code 1993.~~

~~40. Kitchen Exhaust Equipment shall comply with Chapter 5 of the City's Mech. Code (BOCA National mech. Code/1993)~~

P. Sandoz, Building Inspector
Cc: M. Dougall, PFD
Margo Schmuckal, Zoning Administrator
Michael Nugent, Inspection Service Manager

41. This permit would normally be issued do to the pending violations. However, because of safety concerns, it is being issued. This issuance does not extinguish the other violations. They must be corrected.

PSH 10/1/00

**This permit is herewith issued, on the basis of plans submitted and conditions placed on these plans, any deviations shall require a separate approval on record.

***THIS PERMIT HAS BEEN ISSUED WITH THE UNDERSTANDING THAT ALL THE CONDITIONS OF THE APPROVAL SHALL BE COMPLETED. THEREFORE, BEFORE THE WORK IS COMPLETED A REVISED PLAN OR STATEMENT FROM THE PERMIT HOLDER SHALL BE SUBMITTED TO THIS OFFICE SHOWING OR EXPLAINING THAT THE CONDITIONS HAVE BEEN MET. IF THIS REQUIREMENT IS NOT RECEIVED YOUR CERTIFICATE OF OCCUPANCY SHALL BE WITHHELD. (You Shall Call for Inspections)

****ALL PLANS THAT REQUIRE A PROFESSIONAL DESIGNER'S SEAL, (AS PER SECTION 114.0 OF THE BUILDING CODE) SHALL ALSO BE PRESENTED TO THIS DIVISION ON AUTO CAD LT. 2000, DXF FORMAT OR EQUIVALENT.

*****CERTIFICATE OF OCCUPANCY FEE \$50.00

X

**THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE
PERMIT IS ISSUED**

All Purpose 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: 72 Commercial

Total Square Footage of Proposed Structure	Square Footage of Lot <u>5,000</u>
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Tax Assessor's Chart, Block & Lot Number Chart# <u>030</u> Block# <u>D</u> Lot# <u>012</u>	Owner: <u>TOM WATSON</u> <u>SPRING ST WEST</u>	Telephone#:
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Lessee/Buyer's Name (If Applicable) <u>FLAT BREAD PIZZA</u>	Owner's/Purchaser/Lessee Address:	Cost Of Work \$ <u>4,000</u> Fees \$ <u>48.00</u>
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Current use: vesau rant

If the location is currently vacant, what was prior use:
Approximately how long has it been vacant:

Proposed use: APW Exhaust for Clay oven's
PIPE and Exhaust fans

Project description:

Contractor's Name, Address & Telephone: NATIONAL AIR & Ref
173 Indian Village Rd
Shapleigh Me 04076

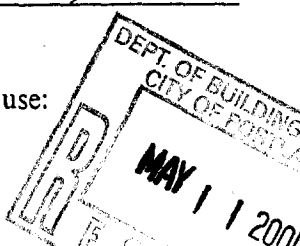
Applicants Name, Address & Telephone:

Who should we contact when the permit is ready: Call xx Mike - 329-3207

Telephone:

If you would like the permit mailed, what mailing address should we use:
no will p/c

5/11/01
6cay6
Rec'd By:





1.3 Shipping

Protection The fan is shipped in a corrugated cardboard box. If a transport securing device is attached to the bottom of the fan to hold the motor and impeller in place, do not remove it when unpacking the fan.



Do not remove the transport securing device until the fan is being installed on the duct or the roof curb. The motor shaft could be damaged. ✓

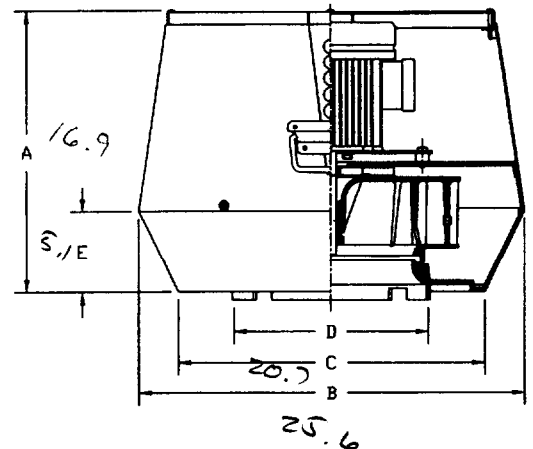
1.4 Warranty

Complete warranty conditions are available from EXHAUSTO.

2. Specifications

2.1 Dimensions & Capacities

Model		GSV 250	GSV 315	GSV 400	GSV 450	
Discharge		Vertical				
Fan Type		Centrifugal Impeller				
Max. Discharge Velocity	FPM	2,222	2,771	2,752	4,134	
Actual Discharge Velocity	FPM	1.9 x CFM	1.2 x CFM	1.03 x CFM	1.03 x CFM	
Voltage	V AC	1x129		3 x 208-240		
RPM		1600		1720		
Amps	A	2.9	5.8	3.5	6.5	
Power Ratings	kW	0.16	0.35	0.75	1.5	
Weight	lbs	60	88	97	128	
	kg	26	35	44	58	
Dimensions	A	in	13.20	14.97	16.94	23.23
		mm	335	380	430	590
	B x B	in	19.11	22.85	25.61	25.61
		mm	485	580	650	650
	C x C	in	15.17	18.32	20.69	20.69
		mm	385	465	525	525
	D Ø	in	9.85	12.41	15.76	15.76
		mm	250	315	400	400
	E	in	3.94	4.53	5.12	8.54
		mm	100	115	130	217
	Soft Start Required		No	No	Yes ¹⁾	Yes ¹⁾
	Variable Speed Motor		Yes	Yes	Yes ✓	Yes
FA Sones		3.9	6.3	7.8	8.3	



1) Not required if using a VFD



PERFORMANCE PROVEN WORLDWIDE

Scott P. McCrum
Vice President of Operations

Northeast Mechanical Corporation

P.O. Box 2829 • 139 Cash Street • So. Portland, ME 04106-6207

Telephone (207) 799-8533 • Fax (207) 799-5642

1-800-883-7661

e-mail : smccrum@nemech.com

<http://www.nemech.com> • <http://www.cleaver-brooks.com>

THIS IS NOT A PERMIT/CONSTRUCTION CANNOT COMMENCE UNTIL THE PERMIT IS ISSUED

PLOT PLAN INCLUDES THE FOLLOWING:

- The shape and dimension of the lot, all existing buildings (if any), the proposed structure and the distance from the actual property lines. Structures include decks porches; a bow windows cantilever sections and roof overhangs, as well as, sheds, pools, garages and any other accessory structures.
- Scale and North arrow; Zoning District & Setbacks
- First Floor sill elevation (based on mean sea level datum);
- Location and dimensions of parking areas and driveways;
- Location and size of both existing utilities in the street and the proposed utilities serving the building;
- Location of areas on the site that will be used to dispose of surface water.
- Existing and proposed grade contours

A COMPLETE SET OF CONSTRUCTION DRAWINGS INCLUDES THE FOLLOWING:

- Cross Sections w/Framing details (including porches, decks w/ railings, and accessory structures)
 - Floor Plans & Elevations
 - Window and door schedules
 - Foundation plans with required drainage and damp proofing
- Electrical and plumbing layout. Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review must be included.

SEPARATE PERMITS ARE REQUIRED FOR INTERNAL & EXTERNAL PLUMBING, HVAC AND ELECTRICAL INSTALLATIONS

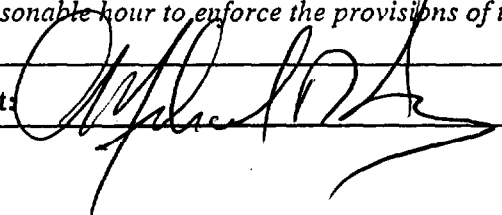
- All construction must be conducted in compliance with the 1999 B.O.C.A. Building Code as amended by Section 6-Art II.
- All plumbing must be conducted in compliance with the State of Maine Plumbing Code.
- All Electrical Installation must comply with the 1999 National Electrical Code as amended by Section 6-Art III.
- HVAC (Heating, Ventilation and Air Conditioning) installation must comply with the 1993 BOCA Mechanical Code.

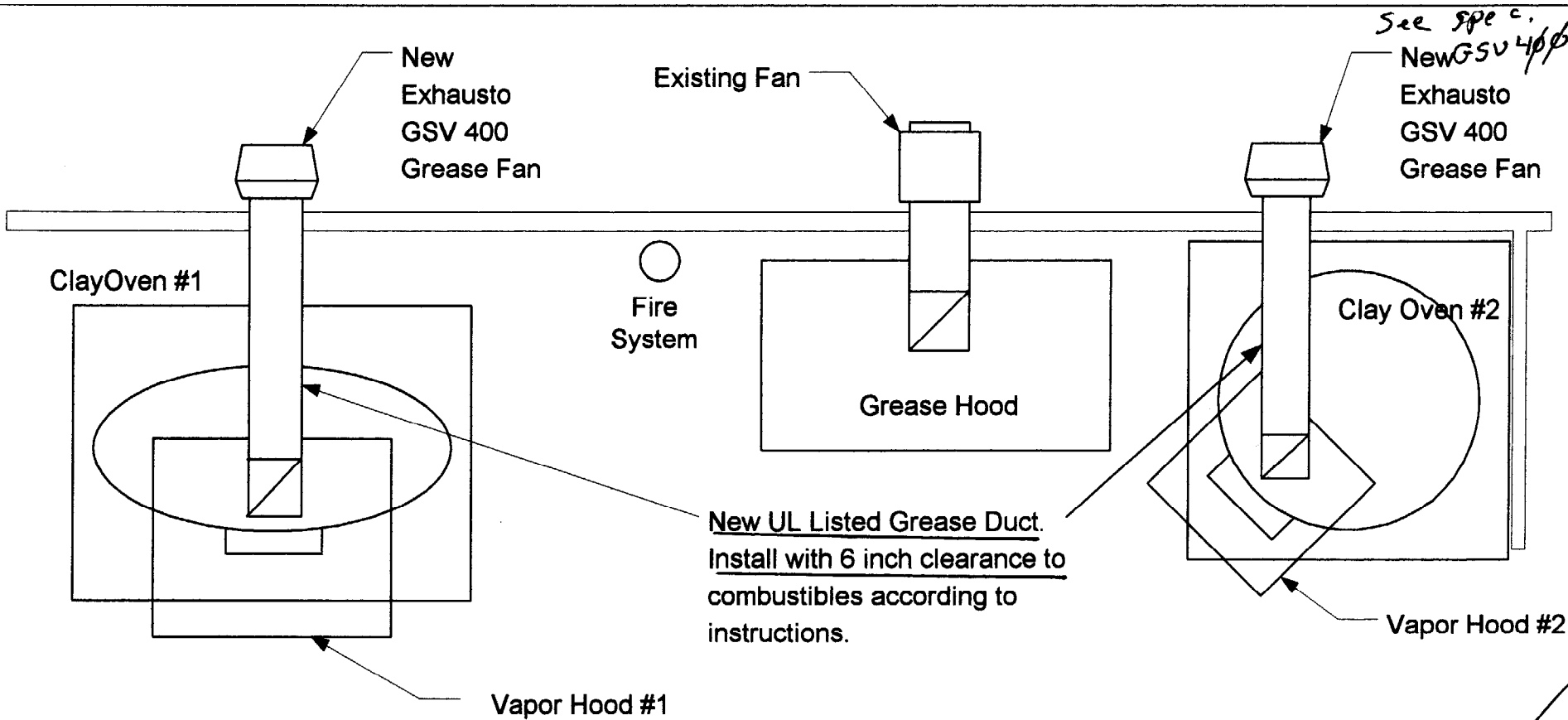
Minor/Minor Site Review Fee for New Single Family homes: \$300.00/Building Permit Fee: \$30.00 for the 1st \$1000.cost plus \$6.00 per \$1,000.00 construction cost thereafter.

ONE SET OF SUBMISSIONS INCLUDING CONSTRUCTION AND SITE PLAN DRAWINGS MUST BE SUBMITTED ON PAPER NO LARGER THAN 11" x 17" BEFORE ANY BUILDING PERMIT WILL BE ISSUED

Certification

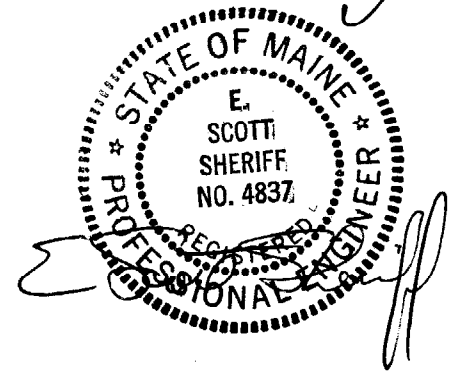
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Signature of applicant: 	Date: 5/11/01
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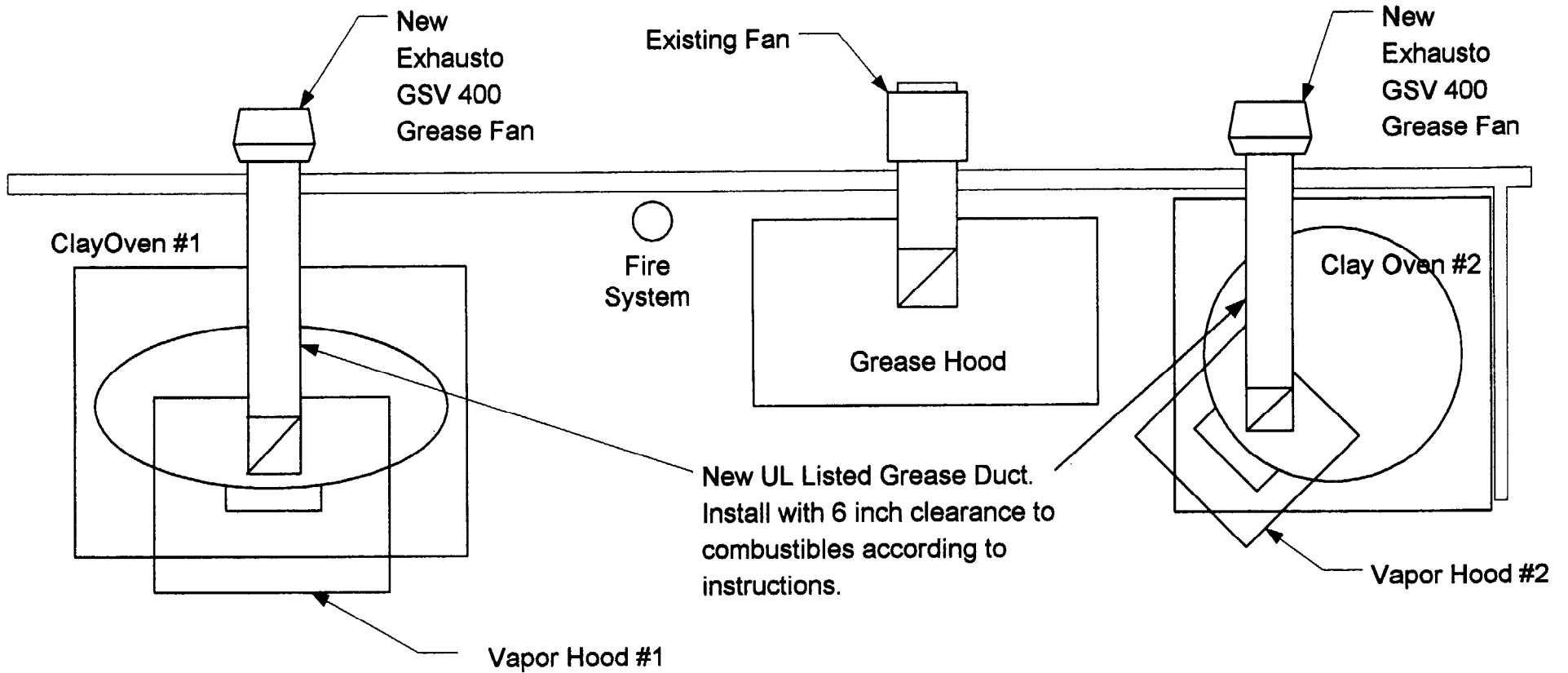
Notes:
 Installation of all fans and Grease Duct must be in accordance with manufacturers instructions as well as State and Local codes.

*Does This work
 horizontal as well?
 or is this horizontal?
 yes, see spec.*



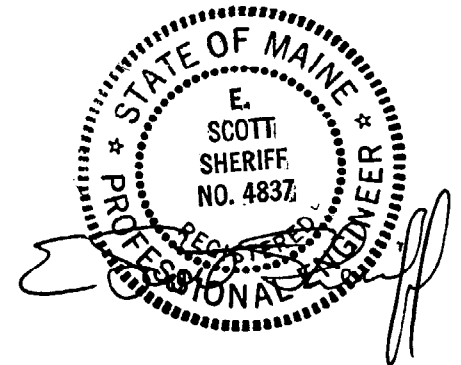
GSV 400 rating: 2000 CFM at 1/8" S.P.


	Flatbread Co.			
	72 Commercial St. Portland, Maine			
EXHAUST FANS FOR CLAY OVENS 1 & 2				
Date: 5/11/01	SIZE	FSCM NO	DWG NO	REV
By: ESS	SCALE 1/4" = 1'-0"		Ovens	SHEET 1 OF 1

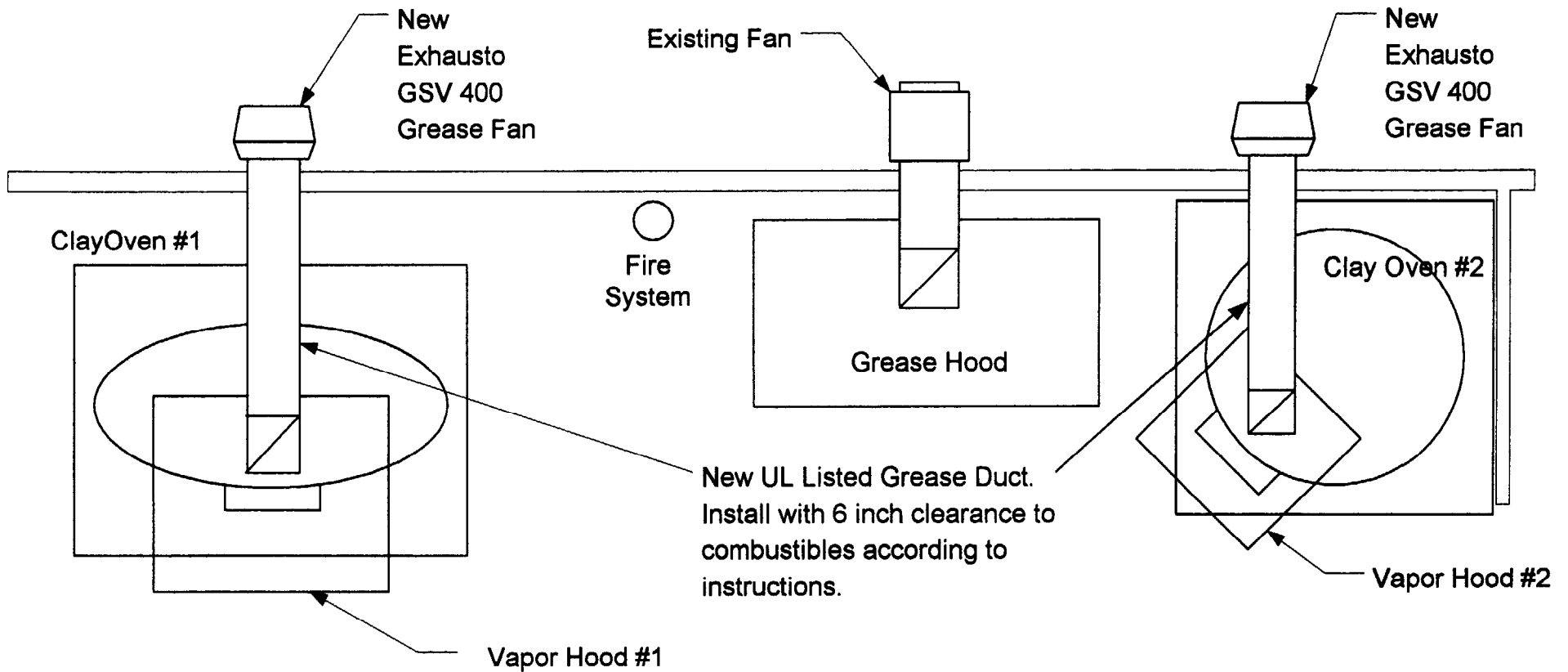


Notes:
 Installation of all fans and Grease Duct must be in accordance with manufacturers instructions as well as State and Local codes.

GSV 400 rating: 2000 CFM at 1/8" S.P.



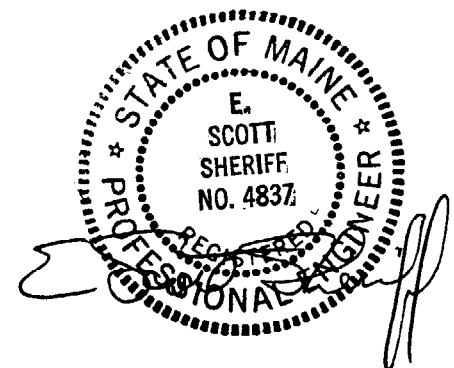
 Northeast Mechanical Corporation	Flatbread Co. 72 Commercial St. Portland, Maine			
	EXHAUST FANS FOR CLAY OVENS 1 & 2			
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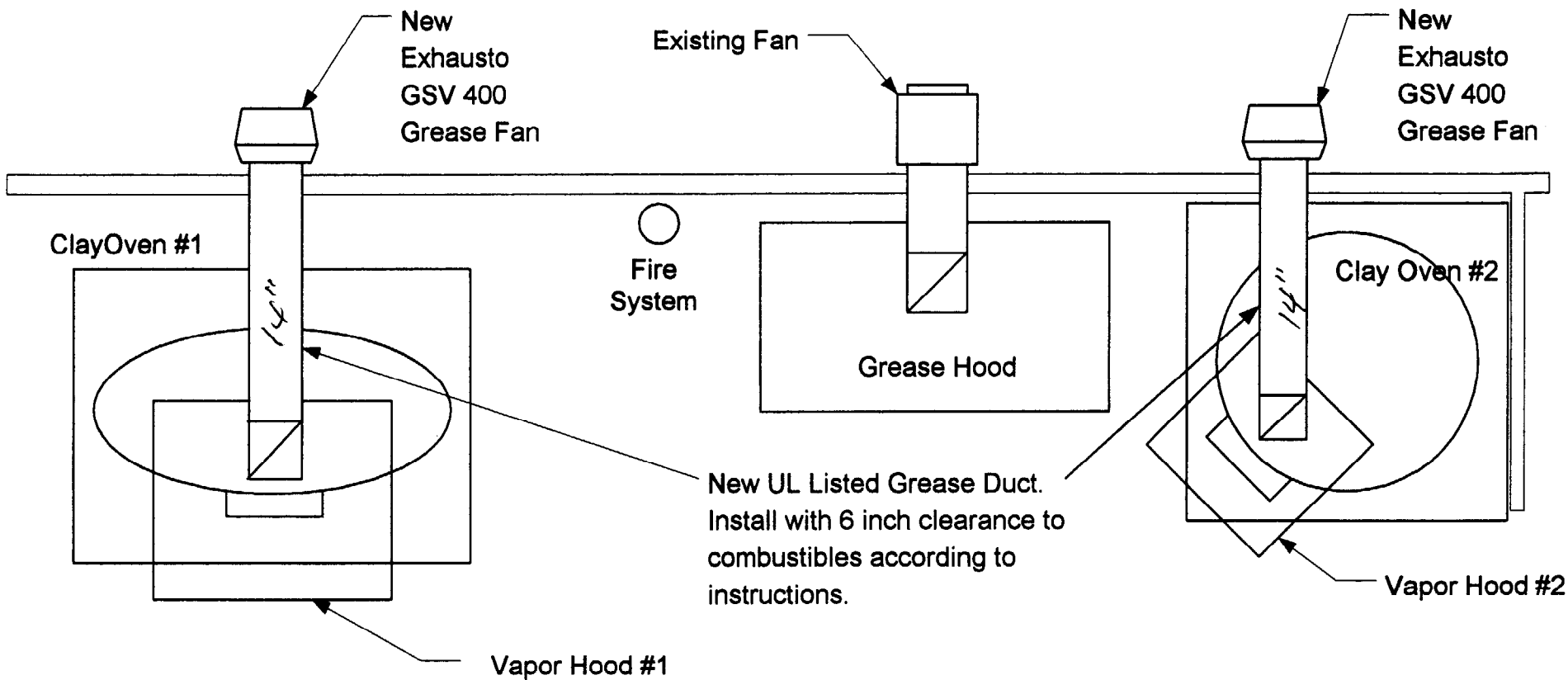
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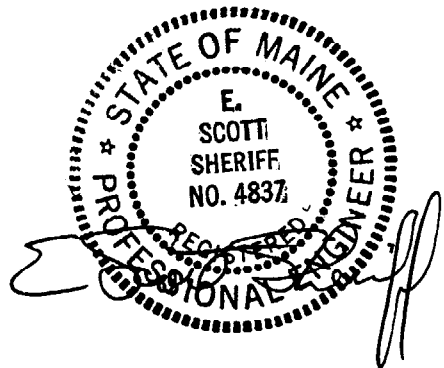
 Northeast Mechanical Corporation	Flatbread Co. 72 Commercial St. Portland, Maine			
	EXHAUST FANS FOR CLAY OVENS 1 & 2			
Date: 5/11/01	SIZE	FSCM NO	DWG NO Ovens	REV
By: ESS	SCALE 1/4" = 1'-0"		SHEET	1 OF 1




New UL Listed Grease Duct.
Install with 6 inch clearance to combustibles according to instructions.

Notes:
Installation of all fans and Grease Duct must be in accordance with manufacturers instructions as well as State and Local codes.

GSV 400 rating: 2000 CFM at 1/8" S.P.



 Northeast Mechanical Corporation	Flatbread Co. 72 Commercial St. Portland, Maine			
	EXHAUST FANS FOR CLAY OVENS 1 & 2			
Date: 5/11/01	SIZE	FSCM NO	DWG NO Ovens	REV
By: ESS	SCALE 1/4" = 1'-0"	SHEET		1 OF 1



CITY OF PORTLAND, MAINE
Department of Building Inspection

May 11 2001

Received from F. Adams and P. Pittard a fee

of forty eight /100 Dollars \$ 48.00

for permit to install
erect
alter new exhaust

at move
demolish 72 Commercial Est. Cost \$ 4,000.

CBL 030 D 012

Check # 2973

Inspector of buildings
Per Hayes

THIS IS NOT A PERMIT

No work is to be started until PERMIT CARD is actually posted upon the premises. Acceptance of fee is no guarantee that permit will be granted. PRESERVE THIS RECEIPT. In case permit cannot be granted the amount of the fee will be refunded upon return of the receipt less \$5.00 or 10% whichever is greater.

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Auditors Copy