

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

BUILDING PERMIT

Please Read Application And Notes, If Any, Attached

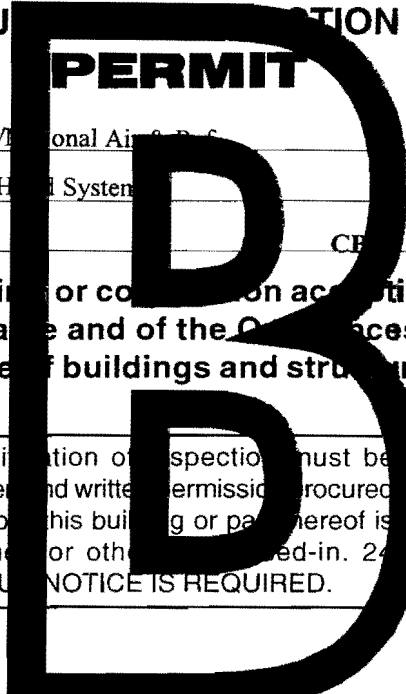
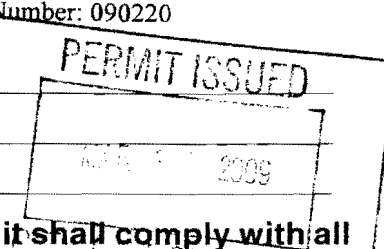
Permit Number: 090220

This is to certify that ELEVEN EXCHANGE LLC / National Air Conditioning

has permission to Install Type I Stainless Steel Heat Exchanger Systems

AT 5 EXCHANGE ST

CE 032 E012001



provided that the person or persons, firm or corporation accounting 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 altered or otherwise used-in. 24 HOUR NOTICE IS REQUIRED.

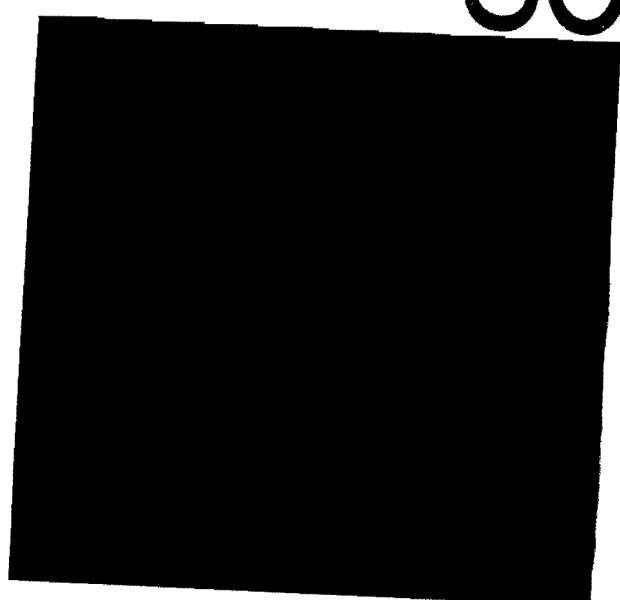
A certificate of occupancy must be procured by owner before this building or part thereof is occupied.

OTHER REQUIRED APPROVALS
Fire Dept. [Signature]
Health Dept.
Appeal Board
Other

[Signature] 3/31/09
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

SCANNED



City of Portland, Maine - Building or Use Permit Application
 389 Congress Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716

Permit No: 09-0220 Issue Date: 3/31/09 CBL: 032 F012001

Location of Construction: 5 EXCHANGE ST	Owner Name: ELEVEN EXCHANGE LLC	Owner Address: PO BOX 4894	Phone: 207-615-2891
Business Name:	Contractor Name: National Air & Ref.	Contractor Address: 173 Indian Village Road Shapleigh	Phone: 2076152891
Lessee/Buyer's Name	Phone:	Permit Type: Hood Systems, Commerical	Zone: B-3

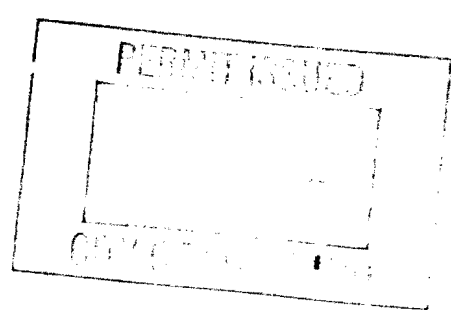
Past Use: Commercial Restaurant "Wasbi" <i>supersedes permit # 09-0100</i>	Proposed Use: Commercial Restaurant "Wasbi" - Install Type I Stainless Steel Hood System	Permit Fee: \$40.00	Cost of Work: \$1,500.00	CEO District: 1
Proposed Project Description: Install Type I Stainless Steel Hood System		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>* See Conditions</i>	INSPECTION: Use Group: B Type: <i>Hed</i> IMC-2007	
Signature: <i>(Signature)</i>		Signature: _____		

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

Permit Taken By: lmd	Date Applied For: 03/29/2009	Zoning Approval		
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- 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 type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Minor <input type="checkbox"/> MM <input type="checkbox"/> <i>See conditions</i> Date: 3/23/09 <i>AK</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 checked="" type="checkbox"/> Not in District or Landmark <input type="checkbox"/> Does Not Require Review <input type="checkbox"/> Requires Review <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: 3/23/09 <i>STH</i>
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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

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-0220		Date Applied For: 03/23/2009		CBL: 032 F012001	
Location of Construction: 5 EXCHANGE ST		Owner Name: ELEVEN EXCHANGE LLC		Owner Address: PO BOX 4894	
Business Name:		Contractor Name: National Air & Ref.		Contractor Address: 173 Indian Village Road Shapleigh	
Lessee/Buyer's Name		Phone:		Permit Type: Hood Systems, Commerical	
Proposed Use: Commercial Restaurant "Wasbi" - Install Type I Stainless Steel Hood System			Proposed Project Description: Install Type I Stainless Steel Hood System		
Dept: Historic		Status: Approved		Reviewer: Scott Hanson	
Note:				Approval Date: 03/23/2009	
				Ok to Issue: <input type="checkbox"/>	
Dept: Zoning		Status: Approved with Conditions		Reviewer: Ann Machado	
Note:				Approval Date: 03/23/2009	
				Ok to Issue: <input checked="" type="checkbox"/>	
1) ANY exterior work requires a separate review and approval thru Historic Preservation. This property is located within an Historic District.					
2) 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	
Note:				Approval Date: 03/31/2009	
				Ok to Issue: <input checked="" type="checkbox"/>	
1) All vegetation must be removed from building and any openings must be permanently sealed with-in 10' of exhaust termination.					
2) The Hood shall be installed per IMC 2003 and NFPA 96 This permit is approved based on the plans submitted and updated for reductions in the clearances based on the application of a UL approved fire wrap or equivalent assembly per code.					
Dept: Fire		Status: Approved with Conditions		Reviewer: Capt Keith Gautreau	
Note:				Approval Date: 03/26/2009	
				Ok to Issue: <input checked="" type="checkbox"/>	
1) Exterior vegetation needs to be removed. NFPA 1 10.15.10.1					
2) Install shall comply with NFPA 96. A compliance letter is required					



General Building Permit Application

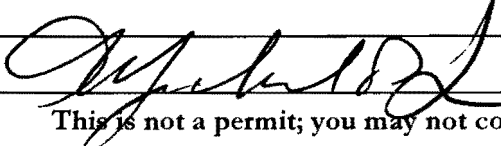
If you or the property owner owes real estate or personal property taxes or user charges on any property within the City, payment arrangements must be made before permits of any kind are accepted.

Location/Address of Construction: <u>7 Exchange</u>		
Total Square Footage of Proposed Structure/Area	Square Footage of Lot	Number of Stories
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>032 F 012</u>	Applicant * must be owner, Lessee or Buyer * Name <u>DAVE/WASABI</u> Address City, State & Zip	Telephone:
Lessee/DBA (if Applicable)	Owner (if different from Applicant) Name <u>Joe Soley</u> Address City, State & Zip	Cost Of Work: \$ <u>1500</u> C of O Fee: \$ Total Fee: \$ <u>40.00</u>
Current legal use (i.e. single family) <u>Restaurant/Residential Above</u> Number of Residential Units _____ If vacant, what was the previous use? <u>CLIPPING STORE</u> Proposed Specific use: <u>SUSHI BAR</u> Is property part of a subdivision? _____ If yes, please name _____ Project description: <u>Type 1 Hood</u>		
Contractor's name: <u>MIKE JOSUA / NATIONAL AIR + REF</u> Address: <u>173 Indian Village</u> City, State & Zip: <u>Shapleigh Me 04076</u> Telephone: <u>207-615-2891</u> Who should we contact when the permit is ready: <u>same</u> Telephone: _____ 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, 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: 	Date: <u>8-19-09</u>
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This is not a permit; you may not commence ANY work until the permit is issued



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 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 If Other, what Type? _____

Is the duct work Stainless steel or other type of steel? 1/8" BLACK IRON If Other, what type? _____

Thickness of the steel for the hood 1/8

Thickness of the duct for the hood 1/8

Type of Hood and Duct Supports

Ducts - Set on 1/8" x 1/4" Angle Iron

Lagged to BRICK

Type of seams and Joints welded

Grease Gutters provided? In Hood

Hood Clearance reduction to Combustibles design /specs: NO Combustibles

ALL WRAPPED IN FIRE MASTER 0" Clearance

Duct Clearance reduction to Combustibles design /specs:

Vibration Isolation System:

Air Velocity within the duct system 1600 CFM

Grease accumulation prevention system:

Grease Filters

Cleanouts 2

Grease Duct enclosure

Exhaust Termination Roof _____ Wall

Fire Suppression System

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

NO Combustibles 12" off wall

Exhaust fan distance from property lines N/A

Exhaust fan distance from other vents or openings 4'-11"

Exhaust fan distance from adjacent buildings 20'

Exhaust fan height above adjoining grade 11'

Hood Specs

Style of Hood Low Profile

Type of Filter

Height of filter above nearest cooking surface 6'8"

Capacity of hood CFM 1600

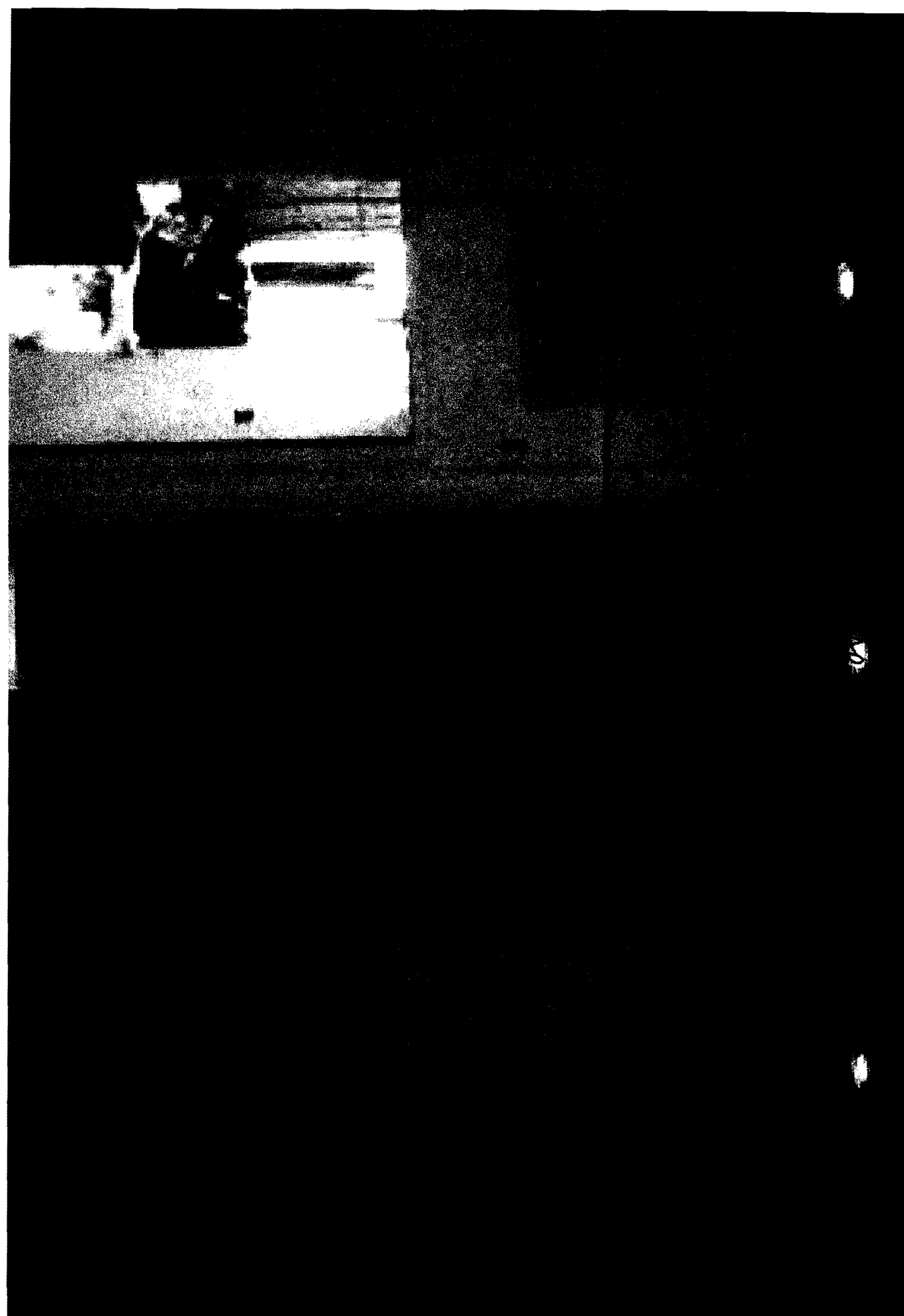
Make up Air system description and capacity

N/A



overhead photo

①





Product Data & Installation Guide

1. Product Description

Thermal Ceramics' new FireMaster® FastWrap XL is the thinnest and lightest flexible wrap material available that passes the ASTM E 2336 test standard required by the 2006 IMC and NFPA 96 for reduced clearance enclosure materials used to provide 1 or 2 hour fire rating for kitchen exhaust ducts. FastWrap XL is also UL Classified and Labeled per ISO 6944 as an alternative to a 1 or 2 hour rated enclosure for air ventilation ducts. The FastWrap XL core blanket is manufactured using Thermal Ceramics patented Superwool® fiber, a 2000°F rated, non-combustible, alkaline-earth silicate wool with low biopersistence. FastWrap XL is the product of extensive research and development resulting in break-through improvements in fiberization technology with significant enhancements in thermal properties beneficial to fire protection applications. FastWrap XL when used in combination with an approved firestop sealant provides an effective through penetration firestop in rated floor and wall assemblies. FastWrap XL is UL Classified and is part of UL's Listing and Follow-Up Service Program to ensure the consistent quality essential to the critical nature of this life-safety application.

Product Features

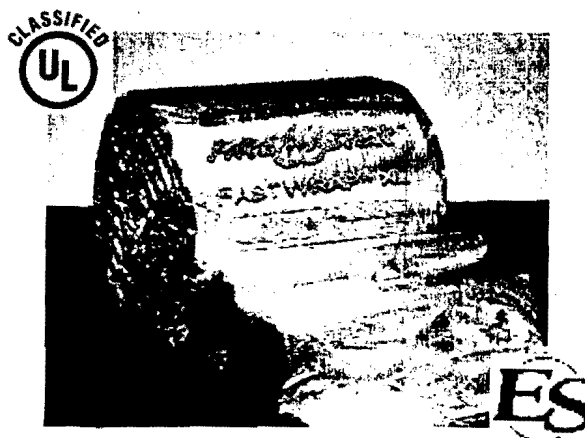
- Zero clearance to combustibles at any location
- Thin and Lightweight at 1-1/2 inch thick, 6 pcf density
- Contours easily to complex duct designs
- Butt Joints on inside layer - save labor, space, and material
- Fully foil encapsulated for fast and clean installation
- Completely inorganic and non-combustible
- Contains 2000°F rated fibers for added safety margin
- Contains no low temperature mineral or glass fibers
- Wide variety of through penetration systems
- Resistant to mold growth
- Extensive Listings and detailed installation instructions
- Offered in 50 and 100 square foot rolls
- Available in 48 inch widths for less joints and installation labor

2. Applications

- Applied in 2 layers to provide 1 or 2 hour fire protection to grease ducts exhausting Type 1 hoods per 2006 IMC, NFPA 96 and 2006 IAPMO UMC
- Applied in 1 layer as an alternative to a 1 or 2 hour rated enclosure for air ventilation ducts

3. Physical Characteristics

Product	Unit	Size	Units/Ctn.	Wt./Ctn.
FastWrap XL	Roll	1-1/2" x 24" x 25'	1	37.5 lbs.
FastWrap XL	Roll	1-1/2" x 48" x 25'	1	75 lbs.
FastWrap XL Collar	Roll	1-1/2" x 6" x 25'	4	37.5 lbs.
Color	White blanket with silver foil encapsulation			



4. Performance Specifications

Reference Standard	Standard No.	Performance
Grease Duct Enclosure System	ASTM E2336	Pass
Section 16.1 - Non-Combustibility	ASTM E136	Pass
Section 16.2 - Fire Resistance (wall)	ASTM E119	Pass
Section 16.3 - Durability Test	ASTM C518	Pass
Section 16.4 - Internal Fire Test	ASTM E2336	Pass
Section 16.5 - Fire Engulfment (duct)	ASTM E814/E119	Pass
Surface Burning Characteristics		
Flame Spread (foil/blanket)	ASTM E84	5/0
Smoke Developed (foil/blanket)	ASTM E84	5/0
Thermal Resistance (R-value @ 70°F)	ASTM C518	4.2 per inch
Mold Growth (75% -95% humidity)	ASTM D6329	Resistant
Air Ventilation Duct Enclosure	ISO 6944	Pass
Grease Duct Enclosure System	UL 1978*	Pass

* Laboratory Listings will be withdrawn January 1, 2009 forcing systems to be tested to ASTM E2336.

5. Listings/Building Code Reports

Listed Uses	Agency	Listing
Grease Duct Enclosure System (Zero Clearance) - AC101 (ASTM E2336)	UL	G18
Grease Duct Enclosure System (Zero Clearance) - ASTM E2336	ICC-ES*	ESR 2213
Through Penetration FireStop System - ASTM E814/UL 1479	UL	See Figure 2
Ventilation Duct Enclosure System - ISO 6944	UL	V19

* International Code Council - Engineering Service

Exchange

Hood lagged to BRICK with
5/16 x 4 1/2" LAGS (6)

Front of Hood Hung with Threaded
Rod 1/2" AT EACH CORNER lagged to
ceiling joist

All Ducts wrapped in Framster
see Attached sheet

7 Exchanges

Hood lagged to BRICK with
5/16 x 4 1/2" LAGS (6)

Front of Hood Hung with Threaded
Rod 1/2" AT EACH CORNER lagged to
ceiling joist

All Ducts wrapped in Firemaster
see Attached sheet



CITY OF PORTLAND, MAINE
 Department of Building Inspections

Original Receipt

3/19 20 09

Received from Mike Toshn

Location of Work _____

Cost of Construction \$ 1500. Building Fee: 40.00

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: 4000

Building (1L) _____ Plumbing (15) _____ Electrical (12) _____ Site Plan (U2) _____

Other Hood

CBL: 32-F-12

Check #: cash Total Collected \$ 40.00

No work is to be started until permit issued.
 If permit is Withdrawn or Denied, amount of the Refund is based on \$20.00 or 20% of the fee, (whichever is greater)
 In order to receive a refund, you **MUST** present the Original Receipt.

Taken by: [Signature]

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