DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



This is to certify that <u>MARION S CHRISTY – MR.</u> <u>BAGEL/BERNIES</u>

Job ID: 2012-01-3001-ALTCOMM

Located At 64 AUBURN ST

CBL: 375- A-003-001

has permission to Install a 15' Type 1 Kitchen hood system and exhaust with make-up air

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

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED. A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be

Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY PENALTY FOR REMOVING THIS CARD

(108ed 7/12/12

Bernic's I Ur. Rogel no loser that New tenant - Bed Bearly Salan 2012-07-4402

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## City of Portland, Maine - Building or Use Permit Application

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

| Job No: Hood<br>2012-01-3001-ALTCOMM   | Date Applied: 12/22/2011   |  | CBL:<br>375- A-003-001                                   |  |                                      |  |
|--|--|--|--|--|--------------------------------------|--|
| Location of Construction:<br>64 AUBURN ST  | Owner Name: MARION S CHRISTY   |  | Owner Address: 42 BROOK RD  FALMOUTH, 04105 ME - MAINE   |  |                                      | Phone:<br>(207) 878-6831                             |
| Business Name: Mister Bagel/Bernie's   | Contractor Name: Dan Bourgoin, Bourgoin & Sons LLC                                       |  | Contractor Address: 123 Davis RD DURHAM ME 04222         |  |                                      | Phone:<br>(207) 749-1878                             |
| Lessee/Buyer's Name:<br>Adam Shapiro   | Phone:<br>207-415-6800   |  | Permit Type: BLDG - Building - Ertchen Hand              |  |                                      | Zone:<br>B-1   |
| Past Use:  Mr. Bagel – approved as   | Proposed Use:  Same – retail with 25 seats –   |  | Cost of Work: 5000.00                                    |  |                                      | CEO District:  |
| retail with 25 seats in 1995   | install kitchen hood   |  | Fire Dept:  Signature: Ceyl.                             | Approved 6 / ( o. Denied N/A   | s/12                                 | Inspection: Use Group: Type: Type: 1 H20d Signature: |
| Proposed Project Description<br>Install Kitchen hood   | :  |  | Pedestrian Activi  | ties District (P.A.D.)   |                                      | 1/19/12  |
| Permit Taken By:   |  |  |  | Zoning Approval  |                                      |  |
| <ol> <li>This permit application of Applicant(s) from meeting Federal Rules.</li> <li>Building Permits do not septic or electrial work.</li> <li>Building permits are voice within six (6) months of False informatin may investment and stop all work.</li> </ol> | ng applicable State and include plumbing, d if work is not started the date of issuance. | Shoreland Wetland Flood Zo Subdivis Site Plan Maj Date: 0 \( \nabla \) w | s - mox ox ox one ox | Zoning Appeal  Variance  Miscellaneous  Conditional Use  Interpretation  Approved  Denied  Date: | Not in Di Does not Requires Approved |  |
| hereby certify that I am the owner of r  | ecord of the named property,   | or that the prop   | oosed work is authorized                                 | by the owner of record and   | i that I have been                   | authorized by  |

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

The property owner owes real estate or personal property taxes or user charges on any the City, payment arrangements must be made before 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.

|   |                                | 7 0 1                     | 4/ = 3//                        |  |
|---|--------------------------------|---------------------------|---------------------------------|--|
| Location/Address of Construction: 64  | Auburn S.                      | t, Portla                 | ind ME 04103                    |  |
| Total Square Footage of Proposed Structure  | Square F                       | ootage of Lot             |                                 |  |
|   |                                |                           |                                 |  |
| Tax Assessor's Chart, Block & Lot   | Owner                          | <u> </u>                  | Telephone:                      |  |
| Chart# Block# Lot#  | Owner:                         |                           | 1 -                             |  |
| 226 4 7   | Marianne                       | Christy                   | 878-6831                        |  |
| 315 11 3  |                                |                           |                                 |  |
| Lessee/Buyer's Name (If Applicable)   | Applicant name, addre          | -                         | Cost Of                         |  |
| Adam Shapino  | Adam Sha                       | piro                      | Work: \$ \(^{\frac{1}{5}}\)COO. |  |
| 11000   | 7 Knisht H                     | ile Rd                    | Fee: \$                         |  |
|   | falmont                        |                           | ree: •                          |  |
|   | 4174                           | 800                       | C of O Fee: \$ / U              |  |
| Current legal use (i.e. single family) 105+   | aurant - was                   | exported on               | Epul consalis w/25              |  |
| If vacant, what was the previous use?   |                                |                           | Jestinin                        |  |
| Proposed Specific use: restraunt  |                                |                           |                                 |  |
| Is property part of a subdivision?  | If yes, please                 | e name                    |                                 |  |
| Project description:  | 100010 7                       | · . 44 i /                | .4                              |  |
| Install Kidelien Exhaust H  | ood system 19                  | ipet 1 to my              |                                 |  |
| NFPA #96  |                                | •                         |                                 |  |
|   |                                |                           | Ì                               |  |
| Contractor's name, address & telephone: Depr  | BOUSOIN BOO                    | rsoint sons               | LU 749-1828                     |  |
| ſ   |                                | •                         |                                 |  |
| Who should we contact when the permit is ready: Bourson + sons LLC  |                                |                           |                                 |  |
| Mailing address:  | Phone: <u>749 - 1</u>          | 878                       | 100                             |  |
| 123 Davis rd  |                                | - CIV                     |                                 |  |
| Durham Mr. 04222  |                                |                           | inte                            |  |
|   |                                | - Mr                      | J. Pection                      |  |
| Please submit all of the information outle Failure to do so will result in the automation or to be sure the City fully understands the full request additional information prior to the issuance of other applications visit the Inspections Division only room 315 City Hall or call 874-8703. | ined in the Commer             | cial Application          | hecklist 105 Nail               |  |
| Failure to do so will result in the automa  | ttic denial of your pe         | rmit.                     | ilding and                      |  |
| In order to be sure the City fully understands the ful  | l coope of the project the I   | Danning and Davidond      | A BU COLLIN                     |  |
| request additional information prior to the issuance  | of a permit. For further info  | ranning and Develop       | Hens Department may             |  |
| other applications visit the Inspections Division on-   | ine at www.portlandmaine.      | gov, or stop by the Ins   | spections Division office,      |  |
| room 315 City Hall or call 874-8703.  | •                              | •                         |                                 |  |
|   |                                |                           |                                 |  |
| I hereby certify that I am the Owner of record of the name  | ed neonerty or that the owner  | of second authorizes the  | twoposed work and that I have   |  |
| been authorized by the owner to make this application as l  |                                |                           |                                 |  |
| In addition, if a permit for work described in this application   |                                |                           |                                 |  |
| authority to enter all areas covered by this permit at any re-  | asonable nour to entorce the p | provisions of the codes a | ppiicable to this permit.       |  |
|   |                                |                           |                                 |  |
| Signature of applicant:   | 7                              | Date: /2/                 | 21//                            |  |
| This is seen a seemite way.   | not common ANTV                | ande sometimes and        | ENAF D                          |  |
| This is not a permit; you may t   | ioi commence aly I W           |                           | ピアグレ                            |  |

DEC 22 1011



# PORTLAND MAINE

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

Greg Mitchell - Acting Director of Planning and Urban Development Marge Schmuckal, Zoning Administrator

January 3, 2012

Adam Shapiro 7 Knight Hill Road Falmouth, ME 04105

RE: 64 Auburn Street - 375 A003 - B-1 Zone - Permit #2012-01-3001

Dear Mr. Shapiro,

This letter is a follow up to the telephone conversation that we had earlier today. When Mr. Bagel moved into the space at 64 Auburn Street in November 1995, the legal use was Retail Sales (Food) with twenty-five seats. Today, if a retail establishment has more than 9 seats the use changes to restaurant. Since Mr. Bagel was approved for twenty-five seats, you may keep the same number of seats. If you decide to add more than twenty-five seats, you need to apply for a change of use permit to become a restaurant. I have enclosed a Commercial Interior & Change of Use Permit Application Checklist and General Building Permit Application.

64 Auburn Street is located in the B-1 Neighborhood Business Zone. A restaurant is a conditional use in this zone [section 14-163(1)] which needs to be approved by the Zoning Board of Appeals. I have enclosed a conditional use appeal application, a sheet outlining the application process for the Zoning Board of Appeals, the 2012 meeting schedule and a copy of section 14-163 which outlines the criteria a restaurant must meet. You need to get approval for the conditional use from the Zoning Board of Appeals before the Inspections Division can issue a change of use permit to be a restaurant in order for you to add more than twenty-five seats.

At this point, I am signing off on the permit to install a kitchen exhaust hood system with the condition that there will not be more than twenty-five seats in the space. Please feel free to call me at 874-8709 if you have any questions.

Yours truly

Ann B. Machado Zoning Specialist (207) 874-8709

Cc. file



## RTLAND MAIN

Strengthening a Remarkable City, Building a Community for Life . www.portlandmaine.gov 64 Aburn ST. Portland Me.

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? 16ga Stanless Steels Other, what  |
| Type?   |
| Is the duct work Stainless steel or other type of steel? Logg Gol. If Other, what type?   |
| ,   |
| Thickness of the steel for the hood / Lga & Stain less Steel  |
| Thickness of the duct for the hood 169s, 9910.  |
| Type of Hood and Duct Supports Cangy Hood 78 Theard rod into roof trusts  |
| Type of seams and Joints Solid welded   |
|   |
|   |
|   |
|   |
| Make up Air system description and capacity   |
| make upair to sit on roof and duct in . Supply air through  |
| Ceiling differs. Bring back in to space Exmanded 4300 fm.   |

## Duct wrap

### 1. Product Description

3M™ Fire Barrier Duct Wrap 15A is a fire resistant wrap consisting of a patented inorganic blanket encapsulated with a scrim-reinforced foil. It is used to fire rate commercial kitchen grease ducts and is a proven alternative to 1 or 2 hour fire resistant rated shaft enclosures. This non-asbestos wrap contains a safer fiber construction\* and installs easily because of its high flexibility and strength. 3M Fire Barrier Duct Wrap 15A is the thinnest standard, single layer fire resistant wrap that has passed the UL1978 test which simulates a grease duct fire. With its excelient insulating capabilities, it is an ideal choice for tight spaces because it protects combustible constructions at zero clearance to the overlap or collar. 3M Fire Barrier 1000 N/S, 1003 S/L and 2000+ Silicone Sealants used in combination 3M Fire Barrier Duct Wrap 15A provide an effective firestop when the duct penetrates fire rated walls and floors.

#### **Features**

- Thinnest, standard one layer wrap for grease ducts rated as a shaft alternative per UL 1978
- Zero clearance to the overlap or collar for congested spaces
- High flexibility for installation ease
- Foil encapsulated with unique center overlap seam for blanket protection, less dust, and high wrap strength
- Safer fiber construction\*

\*Has been demonstrated to be soluble in the lungs according to EU guidelines 67/548/EWG, Note Q for bio persistence.

#### 2. Applications

3M Fire Barrier Duct Wrap 15A is an ideal fire resistive enclosure for commercial kitchen grease ducts. It is a proven performance alternative to a 1 or 2 hour fire resistant rated shaft enclosures and provides zero clearance to combustible construction at overlap or collar. 3M Fire Barrier 1000 N/S, 1003 S/L or 2000+ Sillcone Sealant is used in combination with 3M Fire Barrier Duct Wrap 15A to firestop the duct when the duct penetrates fire rated ficors and walls.

#### 3. Availability

| Product                          | Unit | Size  | Units: | Wt./<br>ctn.      |
|----------------------------------|------|---|--------|-------------------|
| 3M Fire Barrier<br>Duct Wrap 15A | Roil | 1.5 in.x 24 in. x 20 ft.<br>(38mm x 60,9cm x 609 cm)  | 1      | 53 lbs.<br>24 kg  |
| 3M Fire Barrier<br>Duct Wrap 15A | Roll | 1.5 in. x 48 in. x 20 ft.<br>(38mm x 121 cm x 609 cm) | 1      | 106 lbs.<br>48 kg |

#### 4. Typical Physical Properties

Blanket Color:

gray/green

Weight:

1.38 lbs./sq. ft. (6.73 kg/gg, m)

#### 5. Performance

3M Fire Barrier Duct Wrap 15A has been tested in accordance with the following:

ASTM C 411

ASTM C 51

ASTM E 84

**ASTM E 119** 

ASTM E 136

ASTM E 814

UL 1978 (Sections 12 & 13)

Surface Burning Characteristics (ASTM E 84)

Foil Encapsulated Blanket:

Flame Spread: 0

Smoke Developed: 0

Blanket:

Flame Spread: 0 Smoke Developed: 0

#### Thermal Conductivity

| Temperature °F (°C) | btu•inJ(hr,•ft²•F) |
|---------------------|--------------------|
| 500 (260)           | 0.417              |
| 1000 (537)          | 0.922              |
| 1500 (815)          | 1.69               |
| 1800 (982)          | 2.27               |

For technical data and properties of 3M Fire Barrier 1000 N/S, 1003 S/L and 2000+ Silicone Sealants see separate product data sheets available from your 3M representative

**Grease Duct Listings** 

| Fire<br>Resistive<br>Rating | Enclosure System  | Omega Point L<br>Duct System | ab. Design Nos<br>Through-<br>Penetration<br>System  |
|-----------------------------|---|------------------------------|--|
| 1 or 2 hours                | 1 layer of 3M Fire Barrier<br>Duct Wrap 15A , 3 in.<br>(76 mm) perimeter and<br>longitudinal overlaps | GD 532 F<br>GD 538 F         | FS 557 W<br>FS 558 F<br>FS 559 W<br>FS 560 F<br>FS 561 F<br>FS 562 W<br>FS 563 W<br>FS 578 F<br>FS 579 W |

#### **Code Compliance**

3M Fire Barrier Duct Wrap 15A complies with requirements of the following codes:

NFPA 96, 1998 Edition Standard Mechanical Code International Mechanical Code Standard Building Code

SBCCI Compliance Report 2132

This is only a partial list of code compliance. For the latest code and approval information go to www.3m.com/firestop or speak to your authorized 3M distributor or sales representative at (800) 328-1687.



## Technical Product Information BOARD INSULATION 07210 **RHT 80** Architectural/OEM

## (1) all Insulation USE

## General Product Information:

ROXUL products are mineral wool fibre insulations made from basalt rock and steel stag. This combination results in a non-combustible product with a melting point of approximately 2150°F (1177°C), which gives it excellent fire resistance properties. ROXUL mineral wool is a water repellent yet vaccuir permeable material. It absorbs water only when water is pressed or forced into the material and once the pressure is relieved, the water will evaporate without any load of integrity to the material's shape or insulating properties.

All ROXUL products are certified to carry the Environmental Cholde togo.

## Description & Common Applications:

The RHT 80 product is a non-combustible, rigid mineral wool insulation board that is water repellers and delivers exceptional life cycle performance and value in a diversity of thermal, acoustic and fire protection applications. RHT 80's excellent moisture resistance. non-combustibility and dimensional stability make it the ideal choice for curtain wall applications. The product can be specified with confidence in a variety of building envelope designs, parking garages. acoustic and OEM applications.



### Compliance and Performance

**ASTM C 612** CAN/CGSB 51.10-92

EA Approval

Fire Performance ASTM E 136 CAN4 S114

UL 723 (ASTM E 84) CAN/ULC S102 Mineral Fibre Board Thormal Insulation New York City Approval

Behaviour of Materials # 750°C (1382°F)

Test for Non-Combustibility Surface Burning Chara Unistics

Surface Burning Characteristics

Maximum Service Temperature

**ASTM C 411** 

Hot Surface Performance

Dimensional Stability

ASTM C 356

Linear Shrinkage

Moisture Resistance

**ASTM C 1104** 

Moisture Sorption

Corrosion Resistance

**ASTM C 665** 

**ASTM C 795** 

**ASTM C 871** 

Corrosivaness to Steel

For use with Austenitic Stainless Steel

Chemical Analysis

Thermal Resistance

ASTM C 518 (C 177) R-value @ 75°F (24°C) K-value @ 75°F (24°C)

Mineral Fiber Block and Board Thermal Insulation Type IV, Complies Type 1, Class 4 332-97-M

> Non-Combustible Non-Combustible Flame Spread = 0 Smoke Developed = 0 Flame Spread = 0 Smoke Developed = 0

No Reaction @ 1200°F (650°C)

1.24% @ 1200°F (650°C)

0.04%

Passed No Reaction Passed

4.2/inch

0.24 Blu.in/ft².hr, °F

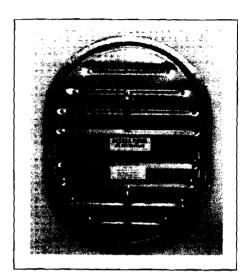
Supercedes: 11 Jenuary 1999 Revised: 23 April 1999

## Access Doors- High Temp

Access Doors For Round and Flat Duct Work

## **Specifications**

- Tested to 20" w.g., with no leakage noted.
- Available in 10x6 and 16x12.
- Metal Thickness: 10x06 16 ga. Black iron
- 16x12 16 ga, Black iron
- Ceramic fiber rope (1,000° max) or ceramic fiber gasket (2,300°, Meets NFPA 96) ensures an air tight seal
- · Zinc coated wing nuts are easily turned by hand
- Self adhesive template is provided for easy installation.
- Zinc coated conical springs installed between the inner and outer door.



## **Packaging**

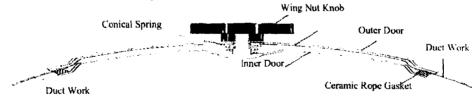
· Access Doors are sold as single units.

## **Profile**

Available sizes: 10x06 Flat

16x12 Flat

10x06x 6" through 30" 16x12x 18" through 60"



## **Installation Instructions**

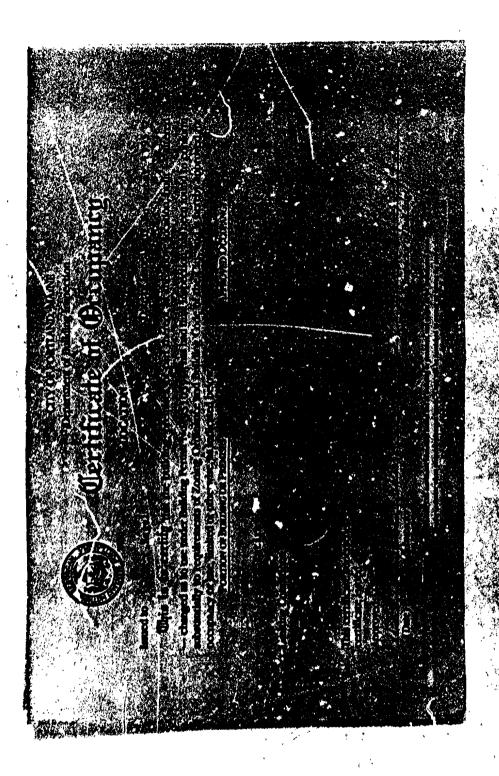
- 1. Adhere self adhesive template to ductwork.
- 2. Using a pair of sheet metal snips, cut out the template.
- Unscrew knobs of door and insert into the opening

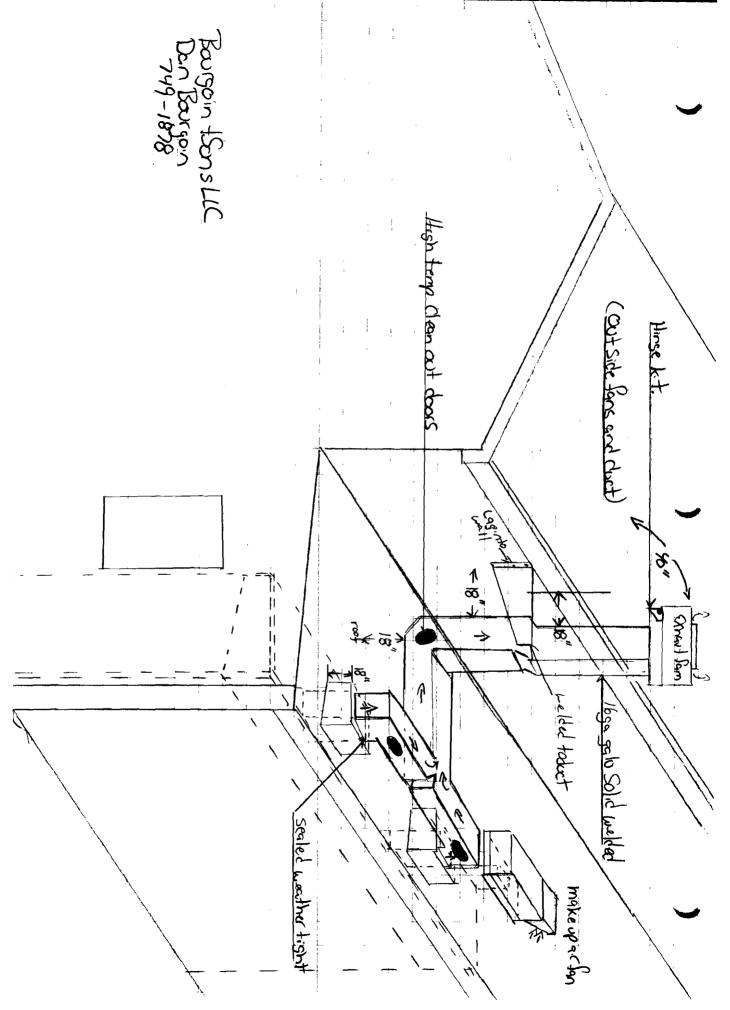
4. Tighten knobs.

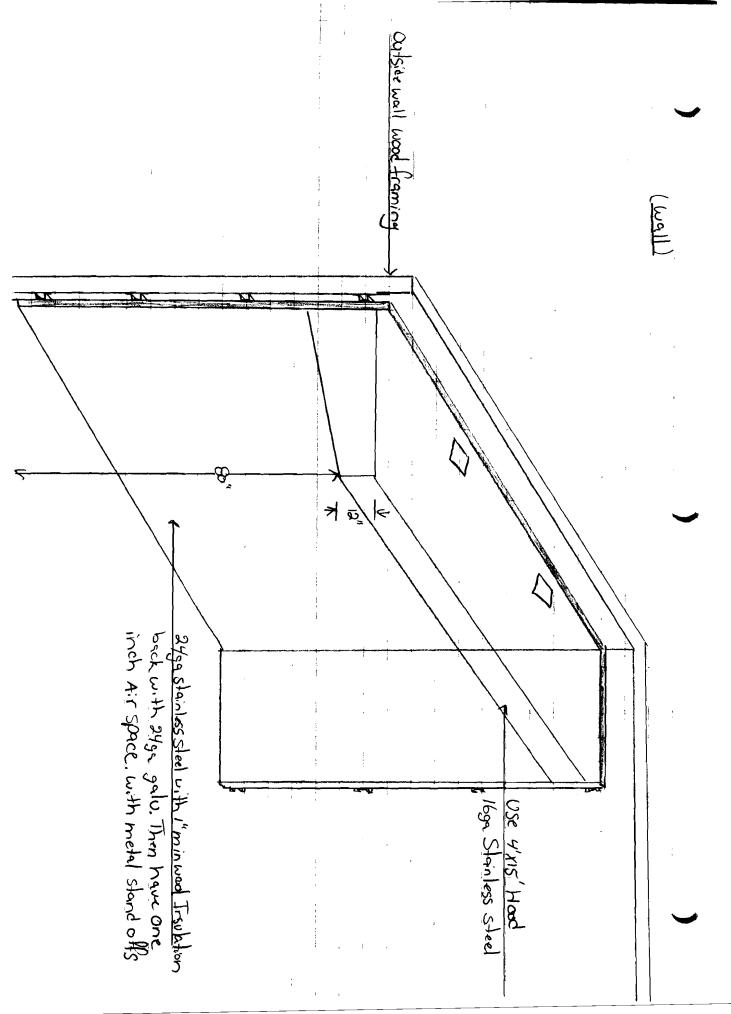
C.L. WARD & FAMILY INC.



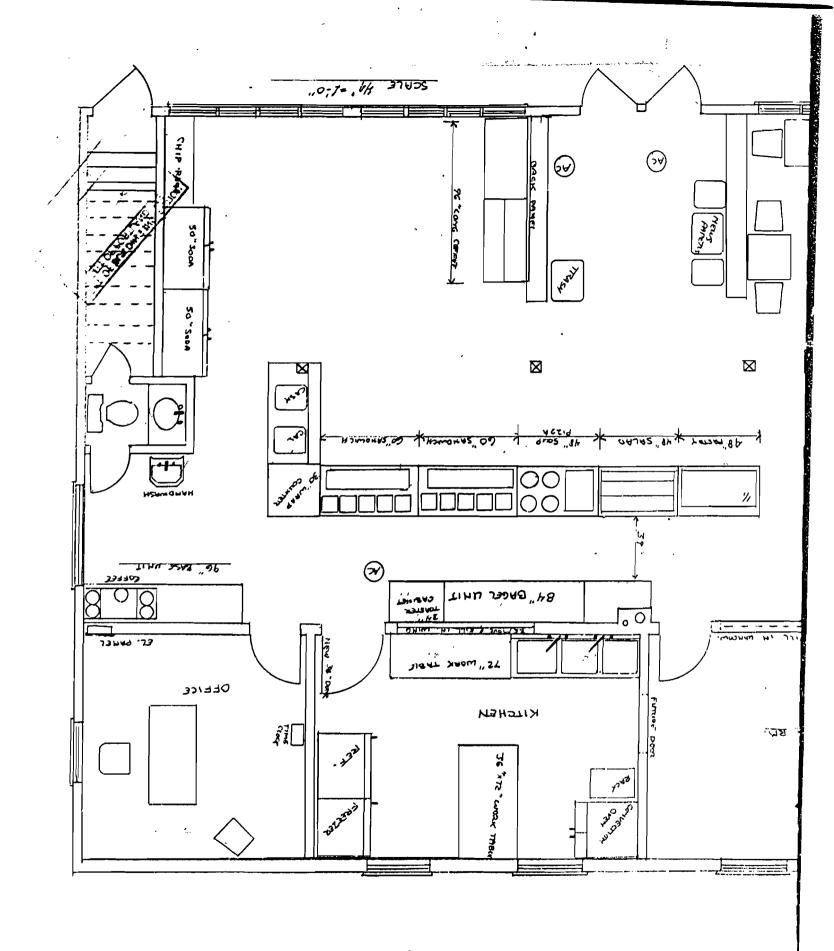
888.973.7600 www.clward.com

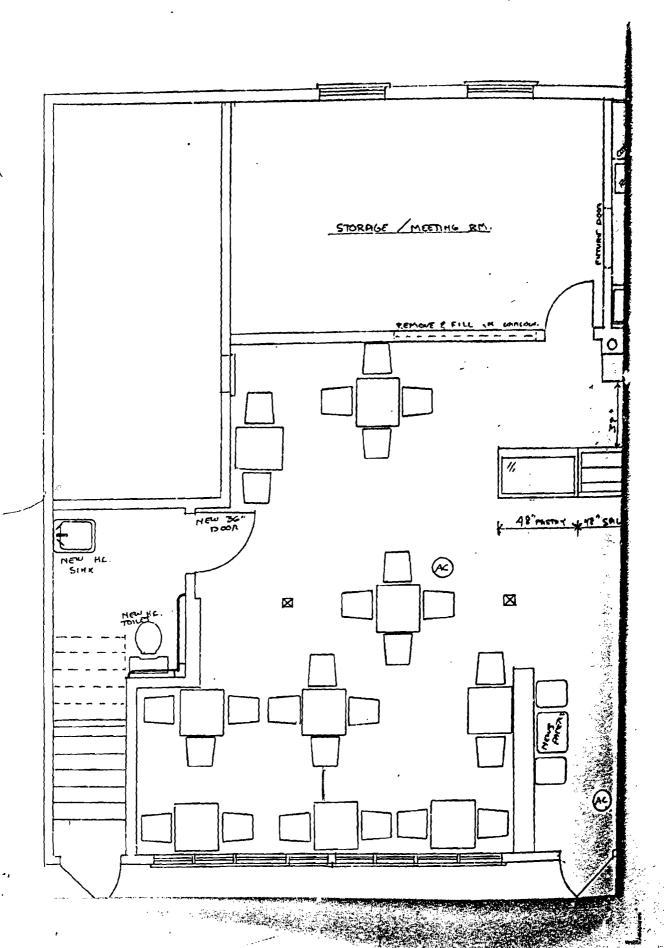


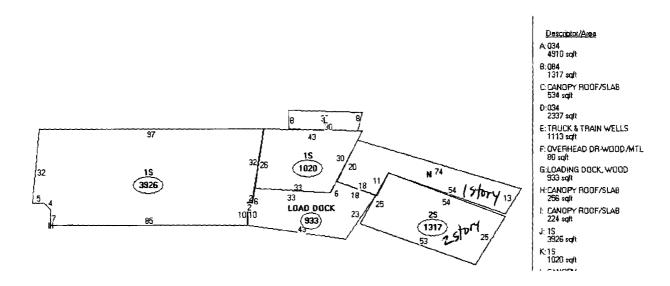




( make air duct) make up air duct work 2435 solv sted to run length of those an turn up 8° through root.









## **BUILDING PERMIT INSPECTION PROCEDURES**

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

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.
- Permits expire in 6 months. If the project is not started or ceases for 6 months.
- If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.

Close In Elec/Plmb/Frame prior to insulate or gyp

**Final Inspection** 

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



## PORTLAND MAINE

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

Director of Planning and Urban Development Penny St. Louis

Job ID: <u>2012-01-3001-ALTCOMM</u> Located At: <u>64 AUBURN ST</u> CBL: <u>375- A-003-001</u>

## **Conditions of Approval:**

## Zoning

- 1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.
- 2. This space was approved as retail sales with 25 seats. If the number of seats increases in the future, a change of use will have to be applied for to change the use to restaurant. Any change of use shall require a separate permit application for review and approval.

### Fire

- 1. Installation shall comply with City Code Chapter 10.
- 2. Hood suppression system shall comply with NFPA 17A, 96, and UL 300. Activation of the suppression system shall activate the fire alarm system if available. A letter of compliance will be required at the time of final inspection stating: the date the system was tested for operation, fuel gas shut off, and fire alarm connection if applicable. The Class K fire extinguisher and proper signage should be located at the suppression system pull station.

## **Building**

- Application approval based upon information provided by applicant. Any deviation from approved plans requires separate review and approval prior to work. THIS DOES NOT APPROVE ADDITIONAL CONSTRUCTION OR ALTERATIONS TO THIS AREA; THIS APPROVES THE HOOD INSTALLATION ONLY.
- 2. The hood, duct and exhaust shall be installed per IMC 2003 and NFPA 96. This permit is approved based on the plans submitted and/or updated for reductions in the clearances based on the application of a UL approved fire wrap or equivalent assembly per code.
- 3. Separate permits are required for any electrical, plumbing, sprinkler, fire alarm, HVAC systems, heating appliances, including pellet/wood stoves, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
- 4. THIS APPROVAL IS CONTINGENT ON THE TENANT SUBMITTING AN APPLICATION FOR REVIEW FOR INTERIOR ALTERATIONS, CHANGE OF USE AND FIT UP FOR THE EXPANDED KITCHEN/BATHROOM/SEATING AREAS. THIS WAS AGREED TO ON 1/18/12 WITH ADAM AND JEN SHAPIRO.

|      | Grease Gutters provided? NA  |
|------|--|
|      | Hood Clearance reduction to Combustibles design/specs:   |
|      | Duct Clearance reduction to Combustibles design/specs:   |
|      | 18" Plus 3m grease duct wrap zero to Combusitble   |
|      | Vibration Isolation System:  |
|      | NA   |
|      | Air Velocity within the duct system  |
|      | Grease accumulation prevention system:   |
|      | greas e cap At Hood  |
|      | Cleanouts 90° elbows   |
|      | Grease Duct enclosure 3m srese duct  |
|      | Exhaust Termination Roof Wall  |
|      | Fire Suppression System Done by other  |
|      | Exhaust fan mounting and clearance from the roof/wall or Combustibles:   |
|      | Exhaust fan distance from property lines /0'   |
|      | Exhaust fan distance from other vents or openings /O '   |
|      | Exhaust fan distance from adjacent buildings   |
|      | Exhaust fan height above adjoining grade   |
| Hood | Specs  |
|      | Style of Hood Canpy  |
|      | Type of Filter Grease baffle   |
|      | Height of filter above nearest cooking surface   |
|      | Capacity of hood CFM 5400 Cfm At . 75 Static presure   |
|      | Make up Air system description and capacity  |
|      | make upair to sit on roof and duct in . Supply air through   |
|      | make upair to sit on roof and duct in . Supply air through<br>Celling differs. Bring back in to space exhauted 4320 Cfm. |
|      |  |