Form # P 04

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

# CITY OF PORTLAND

**B[illegible]CTION**

PERMIT ISSUED
AUG 3 0 2005
Permit Number: 051112
CITY OF PORTLAND

Please Read Application And Notes, If Any, Attached

# PERMIT

**This is to certify that** Marasco Rose C /Bill Bunton

**has permission to** convert single family residenc[illegible] two fa[illegible]y resid[illegible]e (chang[illegible] use)

**AT** 108 Winter St C[illegible] 045 E006001

**provided that the person or persons, f[illegible]m or c[illegible]rporation a[illegible]epting this permit shall comply with all of the provisions of the Statutes of M[illegible]ne and of th[illegible]ances of the City of Portland regulating the construction, maintenance and u[illegible] of buildings and st[illegible]tures, 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.

N[illegible]ication [illegible] inspec[illegible] must gi[illegible] and wr[illegible]n permis[illegible]n procu[illegible] be[illegible]e this b[illegible]ding or [illegible]t thereo[illegible] la[illegible]d or c[illegible]closed-in. H[illegible]R 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** _____
Department Name

Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

PERMIT ISSUED
AUG 3 0 2005
CITY OF PORTLAND

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

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

| Permit No: | Issue Date: | CBL: |
|---|---|---|
| 05-1112 | | 045 E006001 |

| Location of Construction: | Owner Name: | Owner Address: | Phone: |
|---|---|---|---|
| 108 Winter St | Marasco Rose C | 108 Winter St | 780-1965 |
| **Business Name:** | **Contractor Name:** | **Contractor Address:** | **Phone:** |
| | Bill Bunton | 87 Middle Road Cumberland | 2077740111 |
| **Lessee/Buyer's Name** | **Phone:** | **Permit Type:** | **Zone:** |
| | | Change of Use - Dwellings | R-6 |

| Permit Fee: | Cost of Work: | CEO District: |
|---|---|---|
| $186.00 | $0.00 | 2 |

**FIRE DEPT:** ☐ Approved ☐ Denied
Signature:

**INSPECTION:**
Use Group: R3 Type: 5B
IRC-2003
Signature: MB 8/30/05

**Proposed Project Description:**
convert single family residence to two family residenc (change of use)

Action: ☐ Approved ☐ Approved w/Conditions ☐ Denied
Signature: Date:

| Permit Taken By: | Date Applied For: |
|---|---|
| jharris | 08/11/2005 |

8/1/05

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building permits do not include plumbing, septic or electrical work.
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..

## Zoning Approval

| Special Zone or Reviews | Zoning Appeal | Historic Preservation |
|---|---|---|
| ☐ Shoreland | ☐ Variance | ☐ Not in District or Landmark |
| ☐ Wetland | ☐ Miscellaneous | ☐ Does Not Require Review |
| ☐ Flood Zone | ☐ Conditional Use | ☐ Requires Review |
| ☐ Subdivision | ☐ Interpretation | ☐ Approved |
| ☒ Site Plan exemption given to planning | ☐ Approved | ☐ Approved w/Conditions |
| Maj ☐ Minor ☒ MM ☐ OK with Condit | ☐ Denied | ☐ Denied |
| Date: 8/26/05 | Date: | Date: |

Any exterior work requires A Separate permit review and approval

## 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: | Date Applied For: | CBL: |
|---|---|---|
| 05-1112 | 08/01/2005 | 045 E006001 |

| Location of Construction: | Owner Name: | Owner Address: | Phone: |
|---|---|---|---|
| 108 Winter St | Marasco Rose C | 108 Winter St | ( ) 780-1965 |
| **Business Name:** | **Contractor Name:** | **Contractor Address:** | **Phone** |
| | Bill Bunton | 87 Middle Road Cumberland | (207) 774-0111 |
| **Lessee/Buyer's Name** | **Phone:** | **Permit Type:** | |
| | | Change of Use - Dwellings | |

| | |
|---|---|
| two family residence | convert single family residence to two family residence (change of use) |

**Dept:** Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 08/26/2005

**Note:** Given to Res plan reviewrs pile on 8/11/05 - should have been to Marge /TMM 8/26/05 site plan given to planning **Ok to Issue:** ☑

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 property shall remain a two (2) family dwelling with the issuance of this permit and subsequence issuance of certificates of occupancy. Any change of use shall require a separate permit application for review and approval.

3) Separate permits shall be required for future decks, sheds, pools, and/or garages.

4) **ANY** exterior work requires a separate review and approval thru Historic Preservation. This property is located within a Historic District

**Dept:** Building **Status:** Approved with Conditions **Reviewer:** Jeanine Bourke **Approval Date:** 08/30/2005

**Note:** on 8/11/05 this permit was first given to RES T/J - Tammy remanded it back to Marge on 8/25/05 **Okto Issue:** ☐

1) Permit approved based on the plans submitted and reviewed w/owner/Roger H., with additional information as agreed on and as noted on plans.

2) Separate permits are required for any electrical, plumbing, or heating.

**Comments:**

08/25/2005-tmm: sent to Marge on 8/25/05 - given to us on 8/11/05 and should have been to Marge

# 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: 108 Winter Street Portland

Total Square Footage of Proposed Structure: N/A

Square Footage of Lot: 5,039 sq. ft.

Tax Assessor's Chart, Block & lot: Chart# 045 Block# E Lot# 006

Owner: Rose Marasco

Telephone: 780-1965

Lessee/Buyer's Name (If Applicable)

Applicant name, address & telephone: Rose Marasco 108 Winter St 780-1965

cost Of Work: $ 10,000.

Fee: $ 111. + 75.00 186.00

Current use: single family

If the location is currently vacant, what was prior use: _____

Approximately how long has it been vacant: _____

Proposed use: a rental unit in the ell of building (2 family)

Project description: Cnq gd

Contractor's name, address & telephone: Bill Burton 758-0011 (pager) 87 Middle Rd. / Cumberland

Who should we contact when the permit is ready: Rose Marasco

Mailing address: 108 Winter St. 04102

We will contact you by phone when the permit is ready. You must come in and pick up the permit and review the requirements before starting any work, with a Plan Reviewer. A stop work order will be issued and a $100.00 fee if any work starts before the permit is picked up, PHONE: 780-1965

IF THE REQUIRED INFORMATION IS NOT INCLUDED IN THE SUBMISSIONS THE PERMIT WILL BE AUTOMATICALLY DENIED AT THE DISCRETION OF THE BUILDING/PLANNING DEPARTMENT, WE MAY REQUIRE ADDITIONAL INFORMATION IN ORDER TO APROVE THIS PERMIT.

*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.*

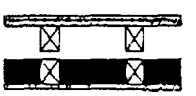
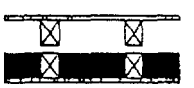
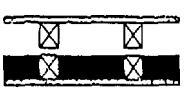
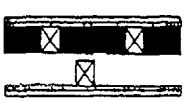
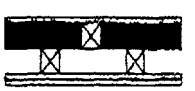
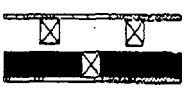
Signature of applicant: Rose Marasco Date: August 1, 2005

**This is NOT a permit, you may not commence ANY work until the permit is issued.**
**If you are in a Historic District you may be subject *to* additional permitting and fees with the Planning Department on the 4th floor of City Hall**

## STC ratings of wall assemblies insulated with Nu-Wool® WALLSEAL® Insulation. Testing done with full scale assemblies at Riverbank Acoustical Laboratories. Some walls extrapolated from other data.

The diagrams and stated STC ratings listed below are intended to serve as a guide. Construction practices have an influence on final STC ratings. Nu-Wool® Company, Inc. cannot guarantee actual STC ratings. Flanking sound patterns, the integrity of the wall, and floor and ceiling construction are important factors in effective sound control.

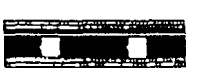
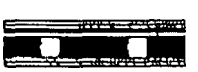
### Wood Stud Assemblies

| STC | | |
|---|---|---|
| 66 | Double wood studs 16" o.c.; double layer 1/2" type "x" gypsum boerd each side, WALLSEAL one side 3-1/2" thick. |  |
| 62 | Double wood studs 16" o.c.; double layer 1/2" gypsum board one side. single layer other aide: both cavities WALLSEAL to thickness. |  |
| 61 | Double wood studs 16' o.c.; single layer 1/2" gypsum bard each side; both cavities WALLSEAL® to thickness. |  |
| 59 | Double wood studs 16" o.c.; double layer 1/2" type "x" gypsum board one Side, single layer other side; WALLSEAL® one side 3-1/2" thick. |  |
| 58 | Double wood studs 16" o.c.; single layer 1/2" type "x" gypsum board each side: WALLSEAL' ono side 3-1/2" thick. |  |
| 58 | Double wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side; WALLSEAL" one side 3-1/2" thick. |  |
| 58 | Single wood studs 16o.c.; resilient channel one side; double layer 1/2" type "x" gypsum board each side; WALLSEAL" 3-1/2" thick. |  |
| 56 | Staggered wood studs 24" o.c.; double layer 5/8" type "x" gypsum board each side: WALLSEAL® one side 3 1/2" thick. |  |
| 64 | Staggered wood stud4 24" o.c.; double layer 5/8" type "x" gypsum board one side, single layer other side; WALLSEAL® one side 3-1/2" thick. |  |
| 54 | Single wood studs 16" o.c.; resilient channel; single layer 5/8" type "x" gypsum board one side. double layer other side; WALLSEAL® 3-1/2" thick. |  |
| 63 | Staggered wood etude 15' o.c.; single layer 1/2" gypsum board each side; both cavities WALLSEAL® to thickness. |  |
| 52 | Staggered wood studs, 16" o: single layer 5/8" type "x" gypsum board each side: WALLSEAL® one side 3-1/2" thick. |  |

### Wood Stud Assemblies (cont.)

| STC | | |
|---|---|---|
| 51 | Single wood studs 16' o.c.; resilient channel one side; single layer 5/8" type "x" gypsum board each side; WALLSEAL® 3-1/2" thick. |  |
| 48 | Single wood studs 16' o.c.; resilient channel one side; single layer 1/2" type "x" gypsum board each side; WALLSEAL' 3-1/2" thick. |  |
| 47 | Single wood studs 16" o.c.; double layer 1/2" type "x" gypsum board eech side, WALLSEAL® 3-1/2" thick. |  |
| 45 | Single wood studs 16" o.c.; single layer 5/8" type "x" gypsum board each side: WALLSEAL® 3-1/2" thick. |  |
| 42 | Single wood studs 16' o.c.; double layer 1/2" gypsum board one side, single layer 1/2" gypsum board other side: WALLSEAL' 3-1/2" thick. |  |
| 41 | Single wood studs 16" o.c.; single layer 1/2" type "x" gypsum boera each side: WALLSEAL' 3-1/2" thick. |  |

### Steel Stud Assemblies

| STC | | |
|---|---|---|
| 60 | Single steel studs 16" o.c.; resilient channel one side; double layer 5/8" type "x" gypsum board each side: WALLSEAL® 3-1/2" thick. |  |
| 58 | Single steel studs 16" o.c.; resilient channel one side; double layer 1/2" type "x" gypsum board eech side: WALLSEAL' 3-1/2" thick. |  |
| 54 | Single 6" steel studs 16o.c.; resilient channel one side. one layer, 5/8" gypsum board each side; WALLSEAL® 3-5/8" thick. |  |
| 52 | Single steel studs 16' o.c.; resilient channel one side; single layer 5/8" type "x" gypsum board eacn side: WALLSEAL® 3-1/2" thick. |  |
| 46 | Single steel studs 16" o.c.; single layer 1/2" gypsum board eech side: WALLSEAL' 3-1/2" thick. |  |

**For more information. contact the Technical Services Department of Nu-Wool® Company, Inc. at 1-800-748-0128.**

NU-WOOL COMPANY INC.

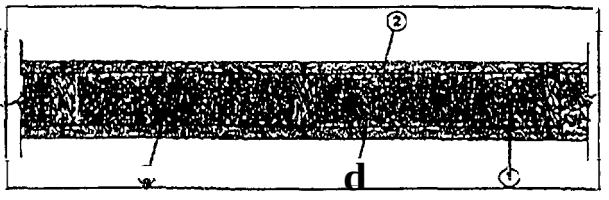
# Nu-Wool® WALLSEAL® Is Approved For Use In the Following 46 UL-Approved Firewall Designs:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| U023 | U040 | U305 | U307 | U309 | U317 | U321 | u333 |
| U338 | u339 | U340 | U342 | U360* | U369* | U403 | U411 |
| U412 | U420 | U426 | U428 | U429 | u434 | u435 | U436 |
| U438 | U440 | U462 | U463 | U465 | U466 | U467 | U469 |
| U478 | u495 | U498 | U499 | U603 | U611 | U614 | U618 |
| U622 | U646 | U647 | V4LO | V416 | V421 | | |

*Proprietary to Nu-Wool® Co. Inc.

## Listed below are 2 of those 46 designs:

### Design No. U333
### Underwriters Laboratories
### Bearing Wall Rating—1 HR




1. Wood Stud6 — Nom 2 by 4 In., spaced 16 in. OC effectively cross braced.

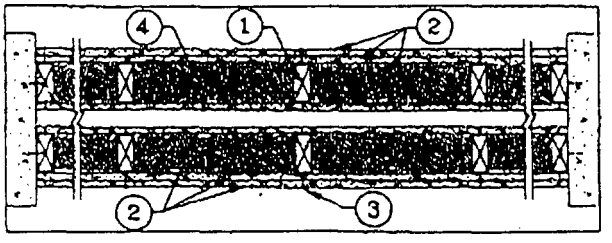
2. Gypsum Board* — 5/8 In thick, 4 ft wide. applied either vertically of horizontally, screw attached to studs and plates with 1-1/4 in. long Type W steel screws, spaced 12 In. OC.

38. Fiber, Sprayed* — Spray applied cellulose insulation material. Applied to completely fill the *enclosed* cavity.
Nu-Wool® Co. Inc. — WALLSEAL® Cellulose Insulation

4. Joints end Nailheads — Wallboard joints covered with paper (ape and joint compound. Screw heeds covered with joint compound.

*Bearing the UL Classification Mark

### Design No. U342
### Underwriters Laboratories
### Bearing Wall Rating — 2 HR




1. Wood Studs — Nom 2 *by* 4 In. Cross braced at mid-height and effectively firestopped at top end bottom of wall. Spaced a max of 16 or 24 in. OC depending on type of wallboard.

2. Gypsum Board. — 5/8 in. thick, 4 ft wide, applied either vertically or horizontally. Inner layers nailed lo studs and beeringplates 6 In. O.C. wlrh 6d cement coated naile, 1-7/8 In. long, 0.0915 In. shank diarn and 1/4 in. diam head. Outer layer of double layered side nailed to studs and bearing plates 8 in. O.C. with 8d cement coated nails, 2-3/8 in. long. 0.113 in. shank diam and 9/32 in. diam head. Vertical joints located over Studs.

3. Joints and Nailheads — Wallboard joints of outer layer covered with tape and joint compound. Neil heeds of outer layer covered with joint compound.

48. Fiber. Sprayed* — Spray applied cellulose Insulation material. Applied to completely fill the enclosed cavity.
Nu-Wool® Co. Inc. — WALLSEAL. Cellulose Insulation

*Bearing the UL Classification Mark

For more Information, contact *the* Technical Services Department *of* Nu-Wool® Company, Inc. at 1-800-748-0128.

NU-WOOL COMPANY INC.
1-800-748-0128

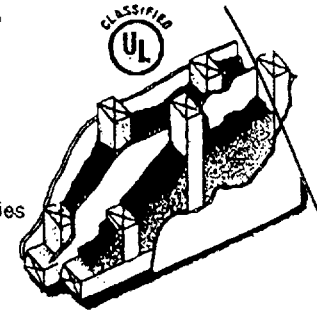
# Cost-Saving Firewall Designs

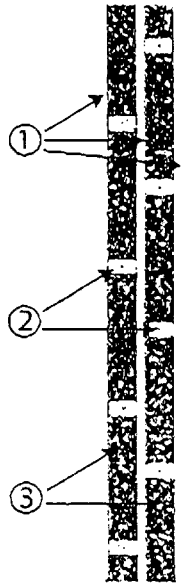
in addition to *a5* UL-approved firewall **designs.** Nu Wool has **engineered** two proprietary UL-approved cost saving firewall designs UL design U360 is the only *2* hour load-bearing firewall rested by UL that needs only three layers of 5/8" type X drywall . resulting in savings of 25% on drywall labor and materials Sound-absorbing UL design U369 has a high STC rating of 58 making it [he design choice for sound control

## Cost Savlng Two-Hour Firewall Uslng Only 3 Layers 5/8 In. Type X Gypsum Wallboard Design No. U360

Underwriters Laboratories
**Bearing Wall Rating 2 Hr.**

Riverbank Acoustical Laboratories
**STC Rating: 51**




1. Wallboard, Gypsum - any classified 5/8 in. thick gypsum wallboard. 4 ft. wide, paper surfaced, with beveled, square, or tapered edges, applied vertically. Wallboard fastened 6 in. o.c. at joints and edges and 12 *in.* o.c. in the field with No. 6 by 1-5/8 in. long bugle head drywall screws. One layer of wallboard is applied to each side of the wall assembly and one layer is applied in the middle - 3 layers total.

2. Wood Studs - nominal 2 by 4-in. no. 2 grade spruce, pine, fir, spaced 16 in. on center.

3. Spray-Applied Material - Nu-Wool** classified spray-applied insulation material. Applied to completely fill the cavities between the wood studs of both sides of wall to a nominal depth of 3-1/2 in.

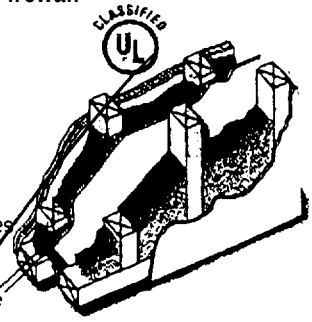
4. Joints and Screw Heads - wallboard joints covered with tape and joint compound and screw heads covered with joint compound.

*UL Reference R-13173

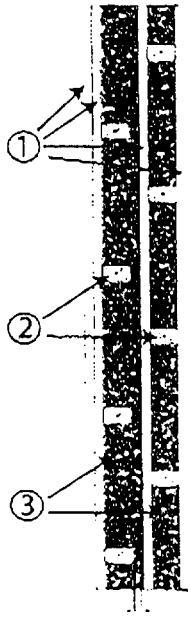
## Sound Absorbing Two Hour Firewall Using 4 layers of 5/8 in. Type X Gypsum Wallboard Design No. U369

Underwriters Laboratories
**Bearing Wall Rating 2 Hr.**

Riverbank Acoustical Laboratories
**STC Rating: 58**




5/8" air space




1. Wallboard, Gypsum - any classified 5/8 in. thick gypsum wallboard. 4 ft. wide, paper surfaced, with beveled, square, or tapered edges, applied vertically. Wallboard fastened 6 in. o.c. at joints and edges and 12 in. o.c. in the field with No. 6 by 1-5/8 in. long bugle head drywall screws. Two layers of wallboard are to be attached to the wood studs on one side of the wall. The face and base layer joints of the wallboard are to be staggered. A 5/8 in. air space is to be placed in between those studs and the inner layer of wallboard which is to be attached to the studs of the other side of the wall. A fourth layer of wallboard is to be attached on the opposite side of those studs.

2. Wood Studs - nominal 2 by 4-in. no. 2 grade spruce, pine, fir, spaced 16 in. on center.

3. Spray-Applied Material - Nu-Wool** classified spray-applied insulation material. Applied to completely fill the cavities between the wood studs of both sides of wall to a nominal depth of 3-1/2 in.

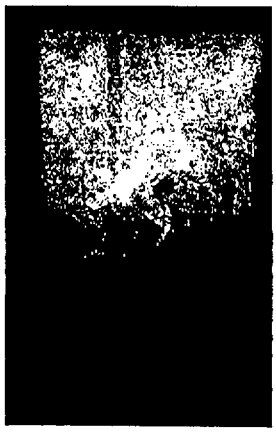
4. Joints and Screw Heads - wallboard joints covered with tape and joint compound and screw heads covered with joint compound.

*UL Reference R-13173

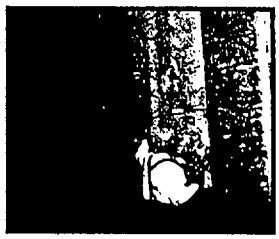
5/8" air space

## Firewall Tests

*As* the firewall test results demonstrate. the dense structure of Nu-Wool* cellulose insulation and its fire retardants slow the spread of fire through a building by blocking flames ana hot gases and restricting the availability of oxygen in insulated walls and ceilings Scientists at the National Research Council Canada report that "cellulose in the wall cavity provided an increase in the fire resistance performance of **22%** to 55%." Fire roars right through conventional insulation. The NRCC **study** showed that "the fire resistance of an assembly with **glass** fiber insulation was slightly lower than that of a non-insulated assembly."



Furnace temperatures in excess of **1300'**



Maximum average temperature of unexposed surface: 136"

Exposed surface after removal from furnace

End of hose stream test - unexposed surface still intact.

## Fire Retardant Permanency

Fire Retardants used in cellulose insulation do not lose their effectiveness over time. Tests by scientists and technicians at Oak Ridge National Laboratory. Tennessee Technological University. **Allied** Signal corp., US Borax Corp.. Underwriters Laboratories, and United Scares Testing Company, found no sign of "disappearing fire retardants."