

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

# CITY OF PORTLAND

## BUILDING INSPECTION

# PERMIT

Permit Number: 100278

Please Read Application And Notes, If Any, Attached

This is to certify that GALLAGHER DEBORAH R / Andrew Bulgur

has permission to interior renovations change a home studio space into a bedroom 1st floor

AT 42 MORNING ST CBL 003 E003001

provided that the person or persons, firm or corporation accepting 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 lathed or otherwise closed-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. CAPT. R. [Signature]

Health Dept. City of Portland

Appeal Board \_\_\_\_\_

Other \_\_\_\_\_  
Department Name

[Signature]  
Director - Building & Inspection Services

**PENALTY FOR REMOVING THIS CARD**

PERMIT ISSUED

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

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

Permit No: 10-0278	Issue Date:	CBL: 003 F003001
-----------------------	-------------	---------------------

Location of Construction: 42 MORNING ST	Owner Name: GALLAGHER DEBORAH R	Owner Address: 42 MORNING ST	Phone:
Business Name:	Contractor Name: Andrew Bulgur	Contractor Address: 55 Fogg Road Buxton	Phone: 2073218311
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Multi Family	Zoning: R-6

Past Use: 3 unit residential	Proposed Use: 3 unit residential - interior renovations change a home studio space into a bedroom 1st floor	Permit Fee: \$180.00	Cost of Work: \$16,000.00	CEO District: 1
Proposed Project Description: interior renovations change a home studio space into a bedroom 1st floor		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied * See Conditions	INSPECTION: Use Group R-2 Type SB IBC 2003	
Signature: <i>KG</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: Idobson	Date Applied For: 03/22/2010	<b>Zoning Approval</b>		
-----------------------------	---------------------------------	------------------------	--	--

<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 <input type="checkbox"/> Maj <input type="checkbox"/> Mjnor <input type="checkbox"/> MM <input type="checkbox"/>	<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	<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
	<p>Date: <i>3/22/10</i></p>	<p>Date: _____</p>	<p>Date: _____</p>

**PERMIT ISSUED**

APR 15 2010

City of Portland

**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: 10-0278	Date Applied For: 03/22/2010	CBL: 003 F003001
-----------------------	---------------------------------	---------------------

Location of Construction: 42 MORNING ST	Owner Name: GALLAGHER DEBORAH R	Owner Address: 42 MORNING ST	Phone:
Business Name:	Contractor Name: Andrew Bulgur	Contractor Address: 55 Fogg Road Buxton	Phone (207) 321-8311
Lessee/Buyer's Name	Phone:	Permit Type: Alterations - Multi Family	

Proposed Use: 3 unit residential - interior renovations change a home studio space into a bedroom 1st floor	Proposed Project Description: interior renovations change a home studio space into a bedroom 1st floor
--	---

Dept: Zoning      Status: Approved with Conditions      Reviewer: Marge Schmuckal      Approval Date: 03/22/2010

Note: Ok to Issue: ✓

- 1) This is NOT an approval for an additional dwelling unit. You SHALL NOT add any additional kitchen equipment including, but not limited to items such as stoves, microwaves, refrigerators, or kitchen sinks, etc. Without special approvals
- 2) This property shall remain a three family dwelling. Any change of use shall require a separate permit application for review and approval.
- 3) It is understood that there is no exterior work as part of this request.

Dept: Building      Status: Approved with Conditions      Reviewer: Tammy Munson      Approval Date: 04/15/2010

Note: Ok to Issue: ✓

- 1) The post being installed must be have solid bearing to the foundation
- 2) The minimum header size must be 2 - 2" x 6"-s.
- 3) Hardwired interconnected battery backup smoke detectors shall be installed in all bedrooms, protecting the bedrooms, and on every level
- 4) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm HVAC systems, heating appliances, commercial hood exhaust systems and fuel tanks. Separate plans may need to be submitted for approval as a part of this process.
- 5) Those building a new single family dwelling shall install a CO detector in each area within or giving access to bedrooms. That detection must be powered by the electrical service in the building and battery

Dept: Fire      Status: Approved with Conditions      Reviewer: Capt Keith Gautreau      Approval Date: 04/02/2010

Note: Ok to Issue: ✓

- 1) The entire structure shall comply with NFPA 101 "Existing Apartments" Compliance shall be insured prior to the issuance of a Certificate of Occupancy.
- 2) All construction shall comply with NFPA 1 and 101.
- 3) All smoke detectors and smoke alarms shall be photoelectric. Carbon Monoxide detectors are required in the dwelling units by State law.

PERMIT ISSUED

City of Portland

**Comments:**

3/22/2010-mes: I am not sure what all is being done here. Nothing has been filled in on the project description but the secretary typed in interior renovations. There is a new 1st floor deck 14' x 15.5' - called owner to find out the extent of the application. - the "decking" is a new floor system in the new bedroom area to get the floor flush to the kitchen (step down now).

## BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY )  
or email: [buildinginspections@portlandmaine.gov](mailto: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 Inspection 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 with construction.

  X   Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

  X   Framing/Rough Plumbing/Electrical: Prior to Any Insulating or drywalling

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

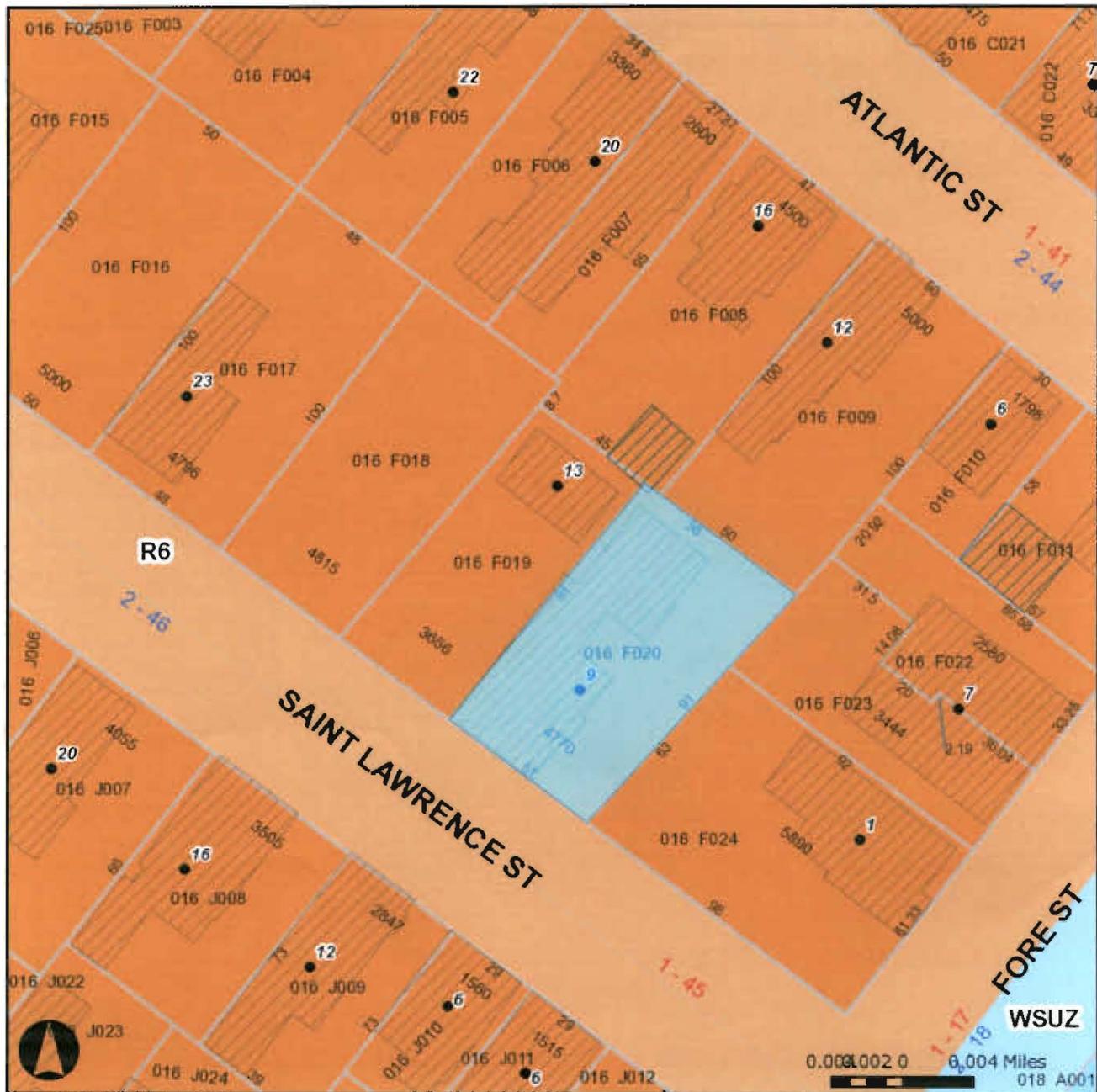
IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.

PERMIT ISSUED

APR 15 2011

City of Portland

# Map



Parcels	Island Zoning	Zoning (continued)	Zoning (continued)
	<input type="checkbox"/> C43	R3 Residential	<input type="checkbox"/> C25
Interstate	<input type="checkbox"/> I-B	R4 Residential	<input type="checkbox"/> C26
	<input type="checkbox"/> I-TS	R5 Residential	<input type="checkbox"/> C27
Streets	<input type="checkbox"/> I-R1	R6 Residential	<input type="checkbox"/> C28
Buildings	<input type="checkbox"/> I-R2	ROS Recreation Open	<input type="checkbox"/> C29
Building	I-R3	Space	<input type="checkbox"/> C30
Out Building	ROS	<input type="checkbox"/> RP Residential	<input type="checkbox"/> C31



# 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>42 MORNING STREET, PORTLAND, ME</u>		
Total Square Footage of Proposed Structure/Area <u>195 SQ' +/-</u>		Square Footage of Lot <u>3182'</u>
Tax Assessor's Chart, Block & Lot Chart# <u>3</u> Block# <u>F</u> Lot# <u>005 F003001</u> BOOK <u>15273</u> PAGE <u>181</u> <u>3</u> TAX ACCT # <u>530</u>	Applicant ' <u>must</u> be owner, Lessee or Buyer' Name <u>DEBORAH R. GALLAGHER</u> Address <u>42 MORNING ST</u> City, State & Zip <u>PORTLAND, ME 04101</u>	Telephone <u>879-5785</u>
Lessee/DBA (If Applicable)	Owner (if different from Applicant) Name Address City, State & Zip	Cost Of Work: \$ <u>16,000</u> C of O Fee: \$ _____ Total Fee: \$ <u>180</u> <u>+ 300</u> <u>480</u>
Current legal use (i.e. single family) <u>THREE FAMILY</u>		
If vacant, what was the previous use? _____		
Proposed Specific use: _____		
Is property part of a subdivision? _____ If yes, please name _____		
Project description: _____		
Contractor's name: <u>ANDREW A. BULGER DBA MISSING PIECE BUILDERS</u>		
Address: <u>55 FOGG ROAD</u>		
City, State & Zip <u>BUXTON, ME 04093</u>		Telephone: <u>207-321-8311</u>
Who should we contact when the permit is ready: <u>ANDY BULGER</u>		Telephone: <u>207-321-8311</u>
Mailing address: <u>SAME AS ABOVE</u>		

CALL WITH ANY QUESTIONS  
↓

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](http://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: <u>Deborah R. Gallagher</u>	Date: <u>3-17-10</u>
--	----------------------

This is not a permit; you may not commence ANY work until the permit is issue

PERMIT ISSUED  
MAR 22 2010  
City of Portland



## Residential Additions/Alterations Permit Application Checklist

All of the following information is required and must be submitted. Checking off each item as you prepare your application package will ensure your package is complete and will help to expedite the permitting process.

The Maine Home Construction Contracts Act requires that any home construction or repair work for more than \$3000. in materials or labor must be based on a written contract unless the parties agree to exempt themselves. A sample contract is available on the City's website at [www.portlandmaine.gov](http://www.portlandmaine.gov), in the Inspection Office, Room 315 of Portland City Hall or call (207)874-8703 to have one mailed to you.

One (1) complete set of construction drawings must include:

- Cross sections w/framing details
- Floor plans and elevations existing & proposed
- Detail removal of all partitions & any new structural beams
- Detail any new walls or permanent partitions
- Stair details including dimensions of: rise/run, head room, guards/handrails, baluster spacing
- Window and door schedules
- Foundation plans w/required drainage and damp proofing (if applicable)
- Detail egress requirements and fire separation/sound transmission ratings (if applicable)
- Insulation R-factors of walls, ceilings & floors & U-factors of windows per the IECC 2003
- Deck construction including: pier layout, framing, fastenings, guards, stair dimensions
- Reduced plans or electronic files in pdf format are required if originals are larger than 11" x 17"
- Proof of ownership is required if it is inconsistent with the assessors records

Separate permits are required for internal & external plumbing, HVAC, and electrical installations.

If there are any additions to the footprint or volume of the structure, any new or rebuilt structures or, accessory detached structures a plot plan is required. A plot must include:

- The shape and dimension of the lot, footprint of the existing and proposed structure and the distance from the actual property lines. Structures include decks, porches; bow windows, cantilever sections and roof overhangs, sheds, pools, garages and any other accessory structures must be shown with dimensions if not to scale.
- Location and dimensions of parking areas and driveways
- A change of use may require a site plan exemption application to be filed.

Please submit all of the information outlined in this application checklist. If the application is incomplete, the application may be refused.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information visit us on-line at [www.portlandmaine.gov](http://www.portlandmaine.gov), stop by the Building Inspections office, room 315 City Hall or call 874-8703.

Permit Fee: \$30.00 for the first \$1000.00 construction cost, \$10.00 per additional \$1000.00 cost  
This is not a Permit; you may not commence any work until the Permit is issued.



PO BOX 345 | BELFAST, ME 04915

Phone: (800) 615-2004 (207) 338-6490  
 Fax: (800) 244-9505 (207) 930-7030

Dealer  
 Acknowledgement

**BILL TO:**

Phinney Lumber Company  
 519 Fort Hill Road  
 Gorham, ME 04038

**SHIP TO:**

Phinney Lumber Company  
 519 Fort Hill Road  
 Gorham, ME 04038

Phone: (207) 839 - 3336

Fax: (207) 839 - 2409

<b>ORDER #</b>	<b>STATUS</b>	<b>CUSTOMER PO#</b>	<b>SHIP DATE</b>
119078	Ordered	19410	3/26/2010
<b>QUOTED BY</b>	<b>TERMS</b>	<b>CONTACT NAME</b>	<b>PROJECT NAME</b>
Moë Decoteau			ATT Jim

LINE #	DESCRIPTION	QUANTITY	LIST PRICE	DISC	NET PRICE	EXTN
100-1	Windgate New Construction Double Hung 33.5 X 64 Unit Size, White, Stimulus-E (Low-E & Argon), Dual Lock, Insert Full Screen Applied w/Nailing Flange, w/J Channel, No Exterior Casing Rough: 34" X 64.5" Overall Unit: 33.5" X 64"	1				
200-1	Windgate New Construction Double Hung 39.5 X 64 Unit Size, White, Stimulus-E (Low-E & Argon), Egress, Dual Lock, Insert Full Screen Applied w/Nailing Flange, w/J Channel, No Exterior Casing Rough: 40" X 64.5" Overall Unit: 39.5" X 64"	1				

PERMIT ISSUED  
 MAR 22 2010  
 City of Portland

MBC's products are "made-to-order." To achieve MBC's short lead times, we begin production immediately upon your order entry. Therefore, orders cannot be changed and units cannot be returned for credit. Please check this order thoroughly and promptly for errors so MBC can ensure your order was entered as intended.

#### General Product Information:

ROXUL products are mineral wool fibre insulations made from basalt rock and slag. 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 vapour 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 loss of integrity to the material's shape or insulating properties.

#### Description & Common Applications:

ROXUL AFB (Acoustical Fire Batt) is a batt insulation product designed specifically for application in wall/floor systems where acoustical performance and fire resistance are the primary concerns. This non-combustible lightweight product has excellent acoustical dampening properties and is dimensionally stable which makes it ideal for friction fit into wall partitions and system applications from party walls to plant/manufacturing walls. The product is chemically inert which means that it will not promote corrosion. The AFB product comes in a number of thicknesses to meet the requirements of both retrofit and new construction applications.

#### Compliance and Performance

CAN/ULC-S702-97	Mineral Fibre Thermal Insulation for Buildings	Type 1, Complies
CAN/CGSB-51.10-92	Mineral Fibre Board Thermal Insulation	Type 2, Class 4, Complies
ASTM C 665	Mineral-Fiber Blanket Thermal Insulation	Type 1, Class A, Complies
ASTM C 553	Mineral Fiber Blanket Thermal Insulation	Complies
MEA Approval	New York City Approval	338-97-M
ULC Design Nos.	U311, W406, W408, W419, W423, W440, W441, W442, W508, W600, Z500	
UL Design Nos.	U305, U311, U317, U411, U412, U448, U465, V417, V418, V419	

#### Fire Performance

CAN4 S114	Test for Non-Combustibility	Non-Combustible
ASTM E 136	Behaviour of Materials at 750°C (1382°F)	Non-Combustible
CAN/ULC S102	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
UL 723 (ASTM E 84)	Surface Burning Characteristics	Flame Spread = 0 Smoke Developed = 0
CAN/ULC S 129	Smoulder Resistance	0.09%
FMVSS 302	Motor Vehicle Safety Test Method	Passed

#### Acoustical Performance

ASTM E 90	Airborne Sound Transmission Loss	Tested
ASTM E 413	Rating Sound Insulation	Tested
ASTM C 423	Sound Absorption Coefficients	Tested
ASTM E 1050	Impedance and Absorption of Acoustical Materials (Please contact us for Rated Wall System Designs)	Tested

#### Corrosion Resistance

ASTM C 665	Corrosiveness	Passed
ASTM C 795	For use with Austenitic Stainless Steel	No Reaction
ASTM C 871	Chemical Analysis	Passed

#### Thermal Performance

ASTM C 518 (C 177)	R-value @ 75°F (24°C)	4.3/inch
	RSI value @ 25.4 mm	0.76 m²KW

PERMIT ISSUED

MAR 22 2010

City of Portland

#### General Product Information:

ROXUL products are mineral wool fibre insulations made from basalt rock and slag. 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 vapour 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 loss of integrity to the material's shape or insulating properties.

#### Description & Common Applications:

The SAFE product is a non-combustible, lightweight and water repellent semi-rigid insulation batt that provides fire stopping and acoustical insulation properties. Specifically engineered and produced for use in commercial, industrial and residential buildings as fire stopping material, SAFE can be used for applications such as:

- perimeter gaps between concrete floor slabs and exterior wall systems,
- around conduit pipe and duct openings through walls and floor slabs,
- between fire walls and ceiling slabs.

This product has excellent fire performance properties, such as high melt temperature and low thermal conductivity which means the insulation acts as a shield against fire and temperature. In addition, ROXUL products are subject to very little shrinkage in the critical phase of a fire, so the insulation layers remain in place to better prohibit the spread of flame.

SAFE is intended to be used in conjunction with a fire sealant to prevent the passage of fire and smoke.

#### Compliance and Performance

ASTM C 612	Mineral Fiber Block and Board Thermal Insulation	Type IVA, Complies
MEA Approval	New York City Approval	339-97-M
City Of Los Angeles Approval		RR 25444

UL Design Nos.	FF-D-0002, FF-D-0011, FF-D-1002, FF-D-1003, FF-D-1004, FF-D-1020, FF-D-1021, FF-S-0004, FF-S-1001, FF-S-1003, FF-S-1004, FF-S-1027, FW-D-0004, FW-D-0007, FW-D-1002, FW-D-1003, FW-D-1009, FW-D-1017, FW-S-0001, HW-D-0020, HW-D-0021, HW-D-0022, HW-D-0023, HW-D-0029, HW-D-0030, HW-D-0031, HW-D-0038, HW-D-0040, HW-D-0060, HW-D-0061, HW-D-0075, HW-D-0101, HW-D-0120, HW-D-1002, HW-D-1003, HW-D-1007, HW-D-1010, HW-D-1011, HW-D-1012, HW-D-1015, WW-D-0013, WW-D-1003, WW-D-1004, WW-D-1010, WW-D-1023, HW-S-0002, HW-S-0003, HW-S-0004, HW-S-0005, HW-S-0006, HW-S-0007, HW-S-0028, HW-S-0029, HW-S-0040, HW-S-0041, HW-S-0042, WW-S-0028, WW-S-1001, WW-S-1003, WW-S-1030, 2Hr Curtain Wall - CW-S-2004, CW-S-2005, CW-S-2007, CW-S-2009, CW-S-2010, CW-S-2011, CW-S-2013, CW-S-2015, CW-S-2016, CW-S-2017, CW-S-2018, CW-S-2019, CW-S-2020, CW-D-2004
----------------	---

#### Acoustical Performance:

Thickness	ASTM C423						
	CO-EFFICIENTS AT FREQUENCIES						
	125	250	500	1000	2000	4000	NRC
2.0"	0.26	0.68	1.12	1.10	1.03	1.04	1.00
3.0"	0.63	0.95	1.14	1.01	1.03	1.04	1.05
4.0"	1.03	1.07	1.12	1.04	1.07	1.08	1.10

## Acoustical Performance:

ASTM C423

### CO-EFFICIENTS AT FREQUENCIES

Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
1.0"	0.14	0.25	0.65	0.90	1.01	1.01	0.70
1.5"	0.18	0.44	0.94	1.04	1.02	1.03	0.85
2.0"	0.28	0.60	1.09	1.09	1.05	1.07	0.95
3.0"	0.52	0.96	1.18	1.07	1.05	1.05	1.05
4.0"	0.86	1.11	1.20	1.07	1.08	1.07	1.10

### Density:

Thickness ≤ 1.5" (40 mm) = 48 kg/m<sup>3</sup> (3.0 lbs/ft<sup>3</sup>)

Thickness ≥ 2.0" (51 mm) = 40 kg/m<sup>3</sup> (2.5 lbs/ft<sup>3</sup>)

### Dimensions:

24" (width) x 48" (length)

610 mm (width) x 1220 mm (length)

1" through 6" in 1/2" increments (thickness)

For additional sizes, please contact our customer service representatives.

### Key Application Qualifiers:

- Easily cut
- Non-combustible
- Excellent sound absorbency
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- Low moisture sorption
- Water resistant
- CFC and HCFC free product and process
- Made from natural & recycled materials

### Other ROXUL Products:

Please consult ROXUL for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.



#### Note:

As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warrant the performance or results of any installation containing ROXUL Inc's products. ROXUL Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose

ROXUL Inc. 551 Harrop Drive, Milton, Ontario L9T 3H3 • Tel: 1-800-265-6878 • Fax: (905) 878-8077 • Milton (905) 878-8474  
ROXUL AFB

28 February 2001

www.roxul.com

---

**Fire Performance:**

ASTM E 136 UL 723 (ASTM E 84)	Behaviour of Materials @ 750 C (1382 F) Surface Burning Characteristics	Non-Combustible Flame Spread = 0 Smoke Developed=0
-------------------------------------	--	--

**Moisture Resistance**

ASTM C 1104	Moisture Sorption	0.04%
-------------	-------------------	-------

**Corrosion Resistance**

ASTM C 665	Corrosiveness To Steel	Passed
ASTM C 795	For Use With Austenitic Stainless Steel	No Reaction
ASTM C 871	Chemical Analysis	Passed

---

**Stability and Flame Passage Testing:**

Time-temperature Curve Exposure based upon ASTM E 119

• 2" opening between horizontal concrete slabs	4 hours and 30 minutes
• 4" opening between horizontal concrete slabs	4 hours and 30 minutes
• 6" opening between horizontal concrete slabs	4 hours and 30 minutes

---

**Density:**

ASTM C 303      4.5 lbs/ft<sup>3</sup>

**Compressive Strength:**

@ 10%: 144 psf (6.9 kPa)

**Dimensions:**

24" (width) x 48" (length)

1.5" through 6" (thickness)

For additional sizes, please contact our customer service representatives.

**Key Application Qualifiers:**

- Non-combustible
- Melt temperature approximately 2150°F (1177°C)
- Fire resistance
- Easy to handle
- Low moisture sorption
- Non-corrosive
- Chemically inert
- Does not rot or sustain vermin
- Does not promote growth of fungi or mildew
- CFC and HCFC free product and process
- Made from natural & recycled materials

**Other ROXUL Products:**

Please consult ROXUL for all your insulation needs. We have an extensive range of products for all applications from pipe insulation to commercial products to residential batts. ROXUL invites all inquiries and will act promptly to service all of your requirements.

**Note:**

As ROXUL Inc. has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warrant the performance or results of any installation containing ROXUL Inc's. products. ROXUL Inc's. overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.

---

ROXUL Inc. 551 Harrop Drive, Milton, Ontario L9T 3H3 • Tel: 1-800-265-6878 • Fax: (905) 878-8077 • Milton (905) 878-8474

STAIRS

UPSTAIRS  
Living Rm

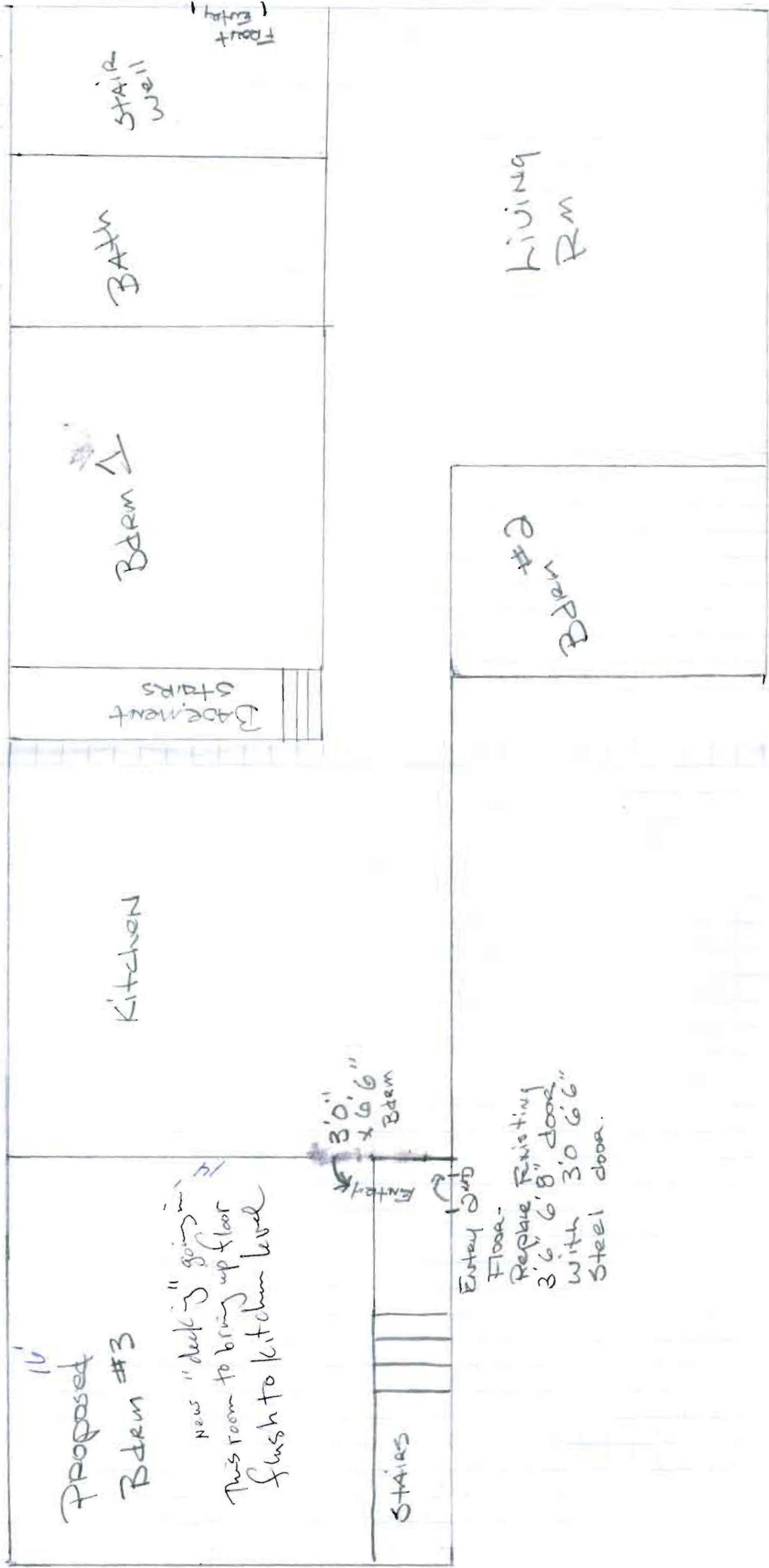
15'  
4"

Above Proposed  
Beam #3

14'9"

7

# 1st FLOOR PLAN



16'

Proposed  
Bdrm #3

New "deck" going in  
This room to bring up floor  
flush to kitchen level

Stairs

3'0" x 6'6" Bdrm

Entry Door

Floor -  
Replace Existing  
3'6" x 6'8" door  
with 3'0" x 6'6"  
Steel door.

Kitchen

Basement  
Stairs

Bdrm #1

Bath

Stair  
Well

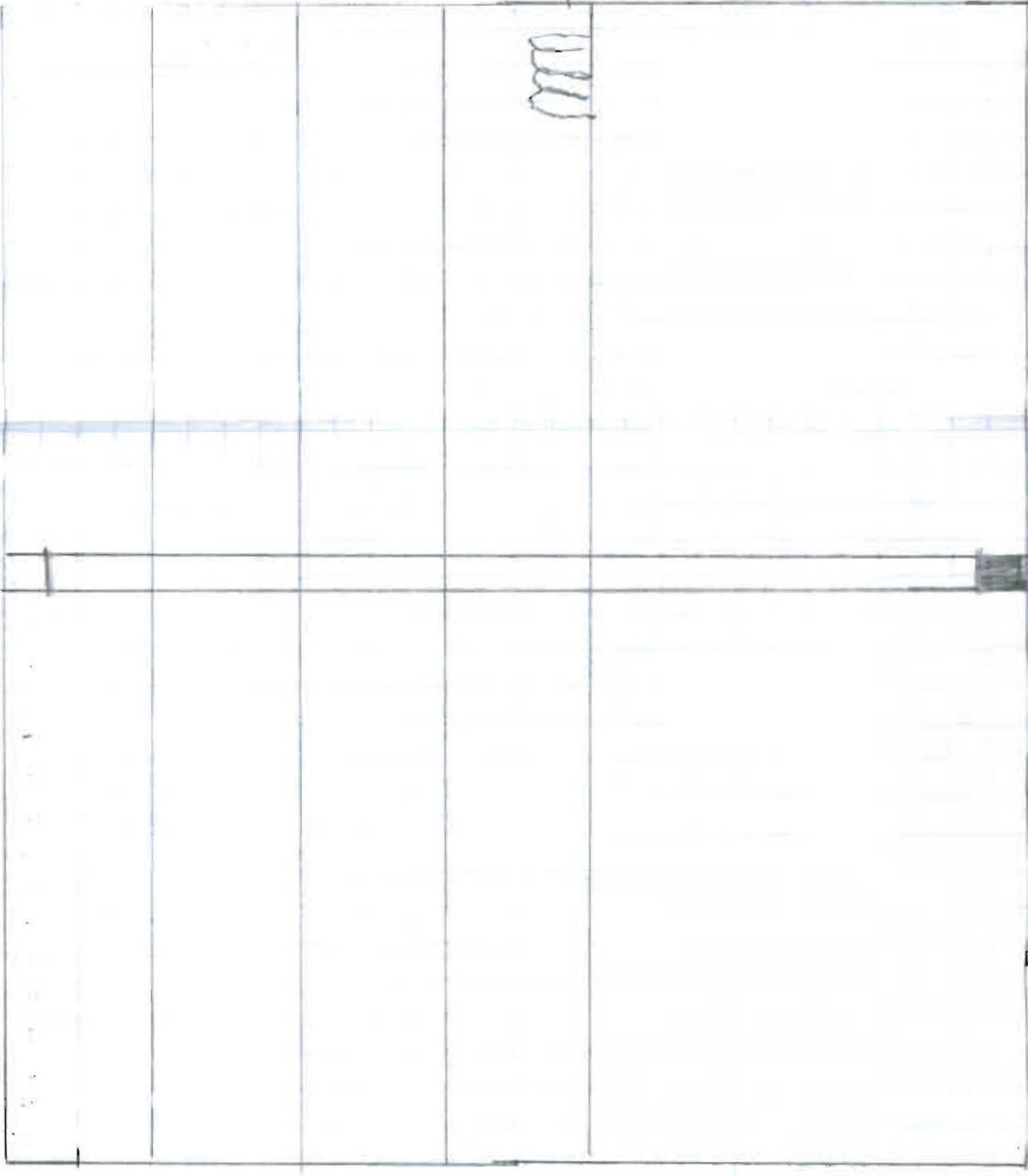
Bdrm #2

Living  
Rm

11'0" x 11'0"

Existing 2ND Floor

15' 8" <sup>1/2"</sup> <sub>1/4"</sub>



2ND Floor Framing  
 2x4 O.C 2x8 Rough Cut.  
 Ladding h.v.h. 7' 8" to  
 Center 4x10 h.v.h.  
 ✓ 7' GFR ON 1st Floor.

2nd Floor decking  
 2x6 T & G sheathing

Ceiling 3" Sound Roxul  
 Insulation R-13 Plus  
 1/2" sound board scribed  
 to strapping TYPE X 5/8  
 GYP Board

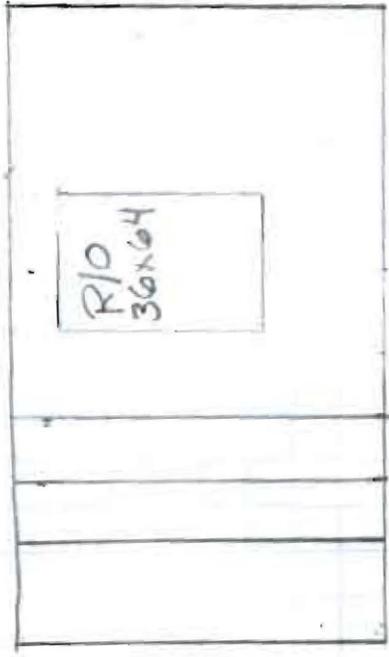
SEER Attachment For Sound  
 Insulation

4x4 Post in Wall Framing  
 Below

Scale 1/4" = 1'

Wall Section

14'



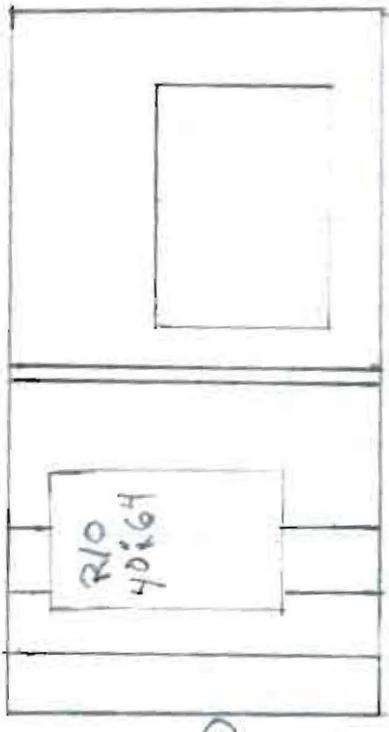
Rear Elev

Insulation R-19 Faced on Exterior Walls Only

Framing 2x4x8 16 O.C. Install New Window R/O 36x64 Framing will be in front of existing framing

Wall Section

15' 8"



RH Elev

Post 4x4 7'8" to hold hull for second floor. Egress window R/O 40x64. Remove existing bay window re frame existing framing. 2x4 framing in front of existing framing.

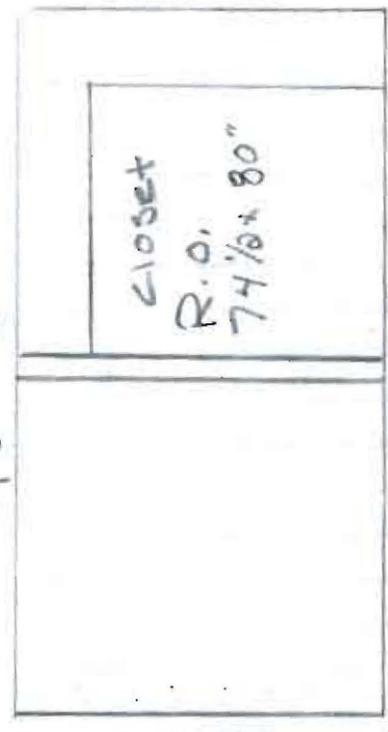
14'



Front Elev.

Remove Entry door 3'0" x 6'6" left hand in swing framing 2x4x8 16" O.C. in front of existing framing

15' 8"

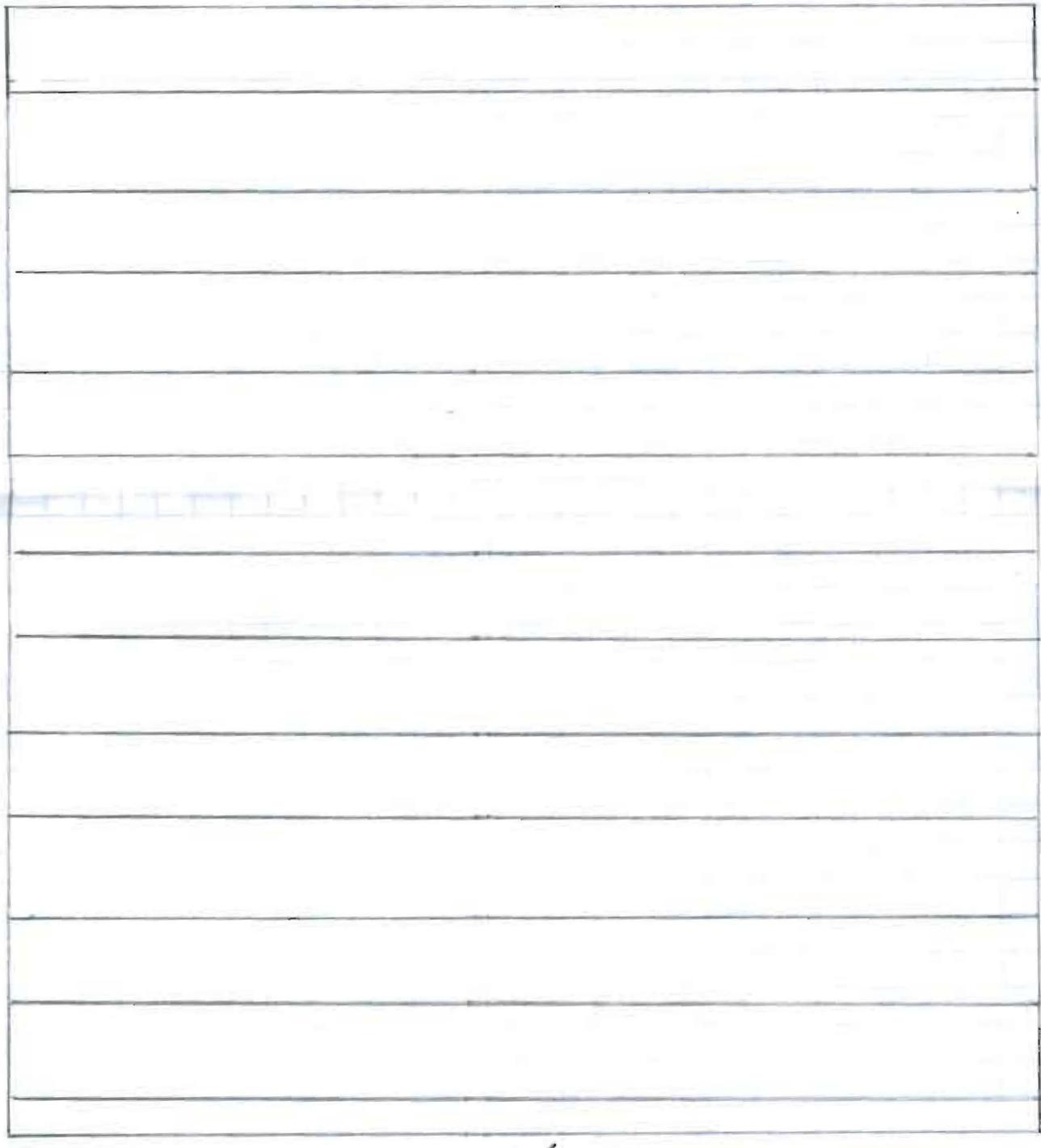


LH Elev

HxH x 8 7'8" to center to hold H'x10" h.v.h. for 2nd floor Framing 2x4x8 16 O.C. in front of existing. Closet 6'6" w/ BY Pass doors

Floor deck CROSS SECTION  
1st Floor.  
15' 6"

scale 1/8" = 1'



Framing Floor.

2x10x16 16" O.C.

Framing will be above original Floor system and nailed to Existing wall Framing. Decked over w/ 3/4" adhesive. Glued w/ PL 400 to joist and Nail 6 O.C. w/ 2.5" Ring Nail.

Floor insulation R-19

141