

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND

BUILDING INSPECTION

PERMIT

Permit Number: 091401

PERMIT ISSUED

Please Read Application And Notes, If Any, Attached

This is to certify that 80 GRANT STREET LLC / ENLARGE M
has permission to install Fire Alarm System connected to permit # 0507 & 091401
AT 80 GRANT ST CE 048-D003001

JAN 13 2010

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 worked-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. _____
Appeal Board _____
Other _____
Department Name _____

[Signature] 1/13/10
Director - Building & Inspection Services

PENALTY FOR REMOVING THIS CARD

City of Portland, Maine - Building or Use Permit Application

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

Permit No: 09-1401	Issue Date:	CBL: 048 D003001
-----------------------	-------------	---------------------

Location of Construction: 80 GRANT ST	Owner Name: 80 GRANT STREET LLC	Owner Address: 104 GRANT ST	Phone:
Business Name:	Contractor Name: ENERGIZE ME INC	Contractor Address: 22A MERTIE DR BUXTON	Phone:
Lessee/Buyer's Name	Phone:	Permit Type: Fire Alarm System	Zone: R-6

Past Use: Residential 13 Units <i>Legal 13 res. D.M.</i>	Proposed Use: Residential 13 Units - install Fire Alarm System connected to permit# 050742 & 091400	Permit Fee: \$150.00	Cost of Work: \$13,000.00	CEO District: 2
		FIRE DEPT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <i>* See Conditions</i>	INSPECTION: Use Group <i>R2</i> Type <i>Fire Alarm</i> <i>DBL-2003</i>	

Proposed Project Description: install Fire Alarm System connected to permit# 050742 & 091400	Signature: <i>(KB)</i>	Signature: <i>JMB 1/13/10</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: Ldobson	Date Applied For: 12/10/2009	Zoning Approval
-----------------------------	---------------------------------	------------------------

<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"/> Minor <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>PERMIT ISSUED</p> <p>JAN 13 2010</p> <p>City of Portland</p>	<p><i>OK with conditions</i></p> <p>Date: <i>12/10/09</i></p>	<p>Date: _____</p>

CERTIFICATION

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the application is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT	ADDRESS	DATE	PHONE
RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE		DATE	PHONE

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-1401	Date Applied For: 12/10/2009	CBL: 048 D003001
------------------------------	--	----------------------------

Location of Construction: 80 GRANT ST	Owner Name: 80 GRANT STREET LLC	Owner Address: 104 GRANT ST	Phone:
Business Name:	Contractor Name: ENERGIZE ME INC	Contractor Address: 22A MERTIE DR BUXTON	Phone
Lessee/Buyer's Name	Phone:	Permit Type: Fire Alarm System	

Proposed Use: Residential 13 Units - install Fire Alarm System connected to permit# 050742 & 091400	Proposed Project Description: install Fire Alarm System connected to permit# 050742 & 091400
---	--

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 12/10/2009

Note: **Ok to Issue:**

- 1) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 2) 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.
- 3) This property shall remain a thirteen (13) family dwelling. Any change of use shall require a separate permit application for review and approval.
- 4) 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:** Jeanine Bourke **Approval Date:** 01/13/2010

Note: **Ok to Issue:**

- 1) Fire Alarm systems shall be installed per Sec. 907 of the IBC 2003
- 2) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Capt Keith Gautreau **Approval Date:** 01/06/2010

Note: **Ok to Issue:**

- 1) Fire Alarm system shall be maintained.
If system is to be off line over 4 hours a fire watch shall be in place.
Dispatch notification required 874-8576.
- 2) The Fire alarm and Sprinkler systems shall be reviewed by a licensed contractor[s] for code compliance.
Compliance letters are required.
- 3) The entire structure shall comply with NFPA 101 "Existing Apartments"
Compliance shall be insured prior to the issuance of a Certificate of Occupancy.
- 4) The fire alarm system shall comply with the City of Portland Standard for Signaling Systems for the Protection of Life and Property. All fire alarm installation and servicing companies shall have a Certificate of Fitness from the Fire Department.
- 5) Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance
- 6) All smoke detectors and smoke alarms shall be photoelectric. Carbon Monoxide detectors are required in the dwelling units by State law.
- 7) System acceptance and commissioning must be co-ordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.
- 8) All fire alarm records required by NFPA 72 should be stored in an approved cabinet located at the FACP and keyed alike, labeled "FIRE ALARM RECORDS".



Fire Alarm Permit

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

Installation address: 70 Grant St CBL: 48-D-3

Exact location: (within structure) _____

Type of occupancy(s) (NFPA & ICC): Residential Apartments

Building owner: Port Property Management

System Designer: Shannon McNamee

Designer phone: 207-298-0063 E-mail: smcnaee@portmaine.com

Installing contractor: Energize ME License No: ME10018384

Contractor phone: 602-4481 E-mail: energizeme@msn.com

This is a new application: YES NO

This is an amendment to an existing permit: YES NO Permit no: _____

The following documents have been provided with this application:

- Floor plans: YES NO
- Wiring diagram: YES NO
- Annunciator details: YES NO
- Bid specifications: YES NO
- Equipment data sheets: YES NO
- Battery & voltage drop calculations: YES NO
- Input/ Output Matrix: YES NO
- Designer/ personnel qualifications: YES NO

COST OF WORK: <u>\$13,000</u>
PERMIT FEE: _____ (\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

Download a new copy of this document from Inspection Division on-line at www.portlandmaine.gov for every submittal. Submit all plans on 11X17 copies or electronic PDF's in addition to full sized plans to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire alarm system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with NFPA 70, NFPA 72, and Fire Department Technical Standard(s).

Applicant signature: [Signature] Date: 12/10/08

MS 2 / MS 4 Battery Calculation Chart

Since the current draws listed here can be edited, the user is fully responsible for verifying these calculations.

Entries only to be made in the Yellow cell locations

Regulated Load in Standby

Device Type	Qty	X	[Current Draw]	=	Total
Main Circuit Board					
MS 2 (1 MAX)			X 0.080	=	0.000
MS 4 (1 MAX)	1		X 0.085	=	0.085
CAC-4 (1 MAX)			X 0.001	=	0.000
4XTMF (1 MAX)			X 0.005	=	0.000
4XZMF (1 MAX)			X 0.004	=	0.000
4XLMF/RZA-4XF (1 PAIR MAX)			1 X 0.004	=	0.004
2 wire Detector Heads		7	X .000049	=	0.000
4 wire Detector Heads			X	=	0.000
Power Supervision Relays			X	=	0.000
NAC #1					
NAC#2					
Current Draw from TB1 (non-alarm)			X	=	0.000
Total Regulated Standby Load					= 0.089

Entries only to be made in the Yellow cell locations

Regulated Load in Alarm

Device Type	Qty	X	[Current Draw]	=	Total
Main Circuit Board					
MS 2 (1 MAX)		0	X 0.112	=	0.000
MS 4 (1 MAX)		1	X 0.175	=	0.175
CAC-4 (1 MAX)		0	X 0.001	=	0.000
4XTMF (1 MAX)		0	X 0.011	=	0.000
4XZMF (1 MAX)		0	X 0.008	=	0.000
4XLMF/RZA-4XF (1 PAIR MAX)			1 X 0.019	=	0.019

2 wire Detector Heads	7	X	0.130	=	0.910	
4 wire Detector Heads			0	X	=	0.000
Power Supervision Relays			0	X	=	0.000
NAC #1	7	X	0.048	=	0.336	
NAC#2	39	X	0.020	=	0.780	
Current Draw from TB1 (non-alarm)				X	=	0.000

Total Regulated Alarm Load = 2.220

Total Secondary Power Requirements at 24 DC

Required Standby Time
(24 or 60 hours)

Total Regulated Standby Load 0.089 X 24 = 2.14 2.144 AH

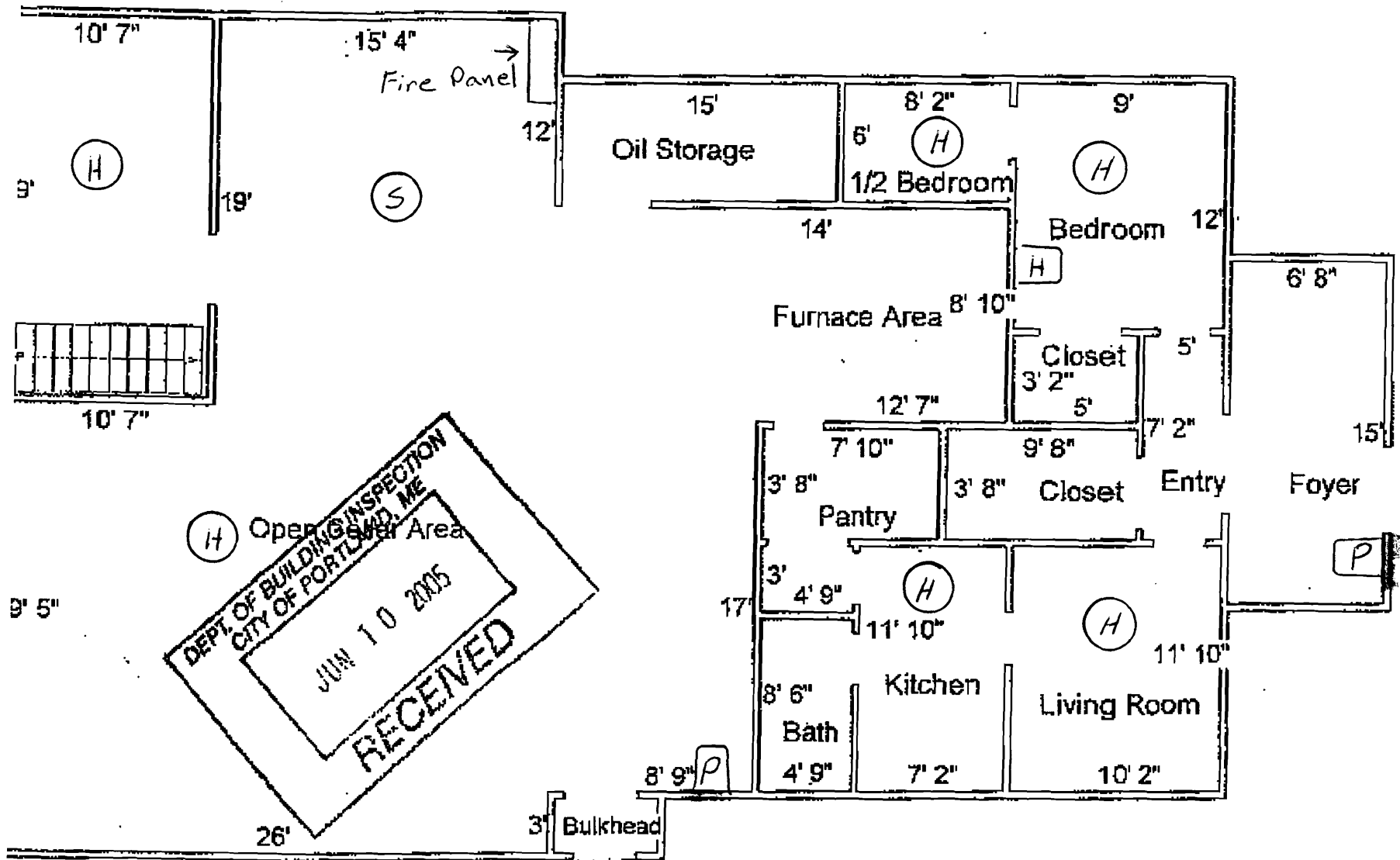
Required Alarm Time
for 5 min enter .084, for 10 mins, enter 0.168

Total Regulated Alarm Load 2.220 X .168 = 0.373 AH

Sum of Standby and Alarm Ampere Hours 2.517 AH

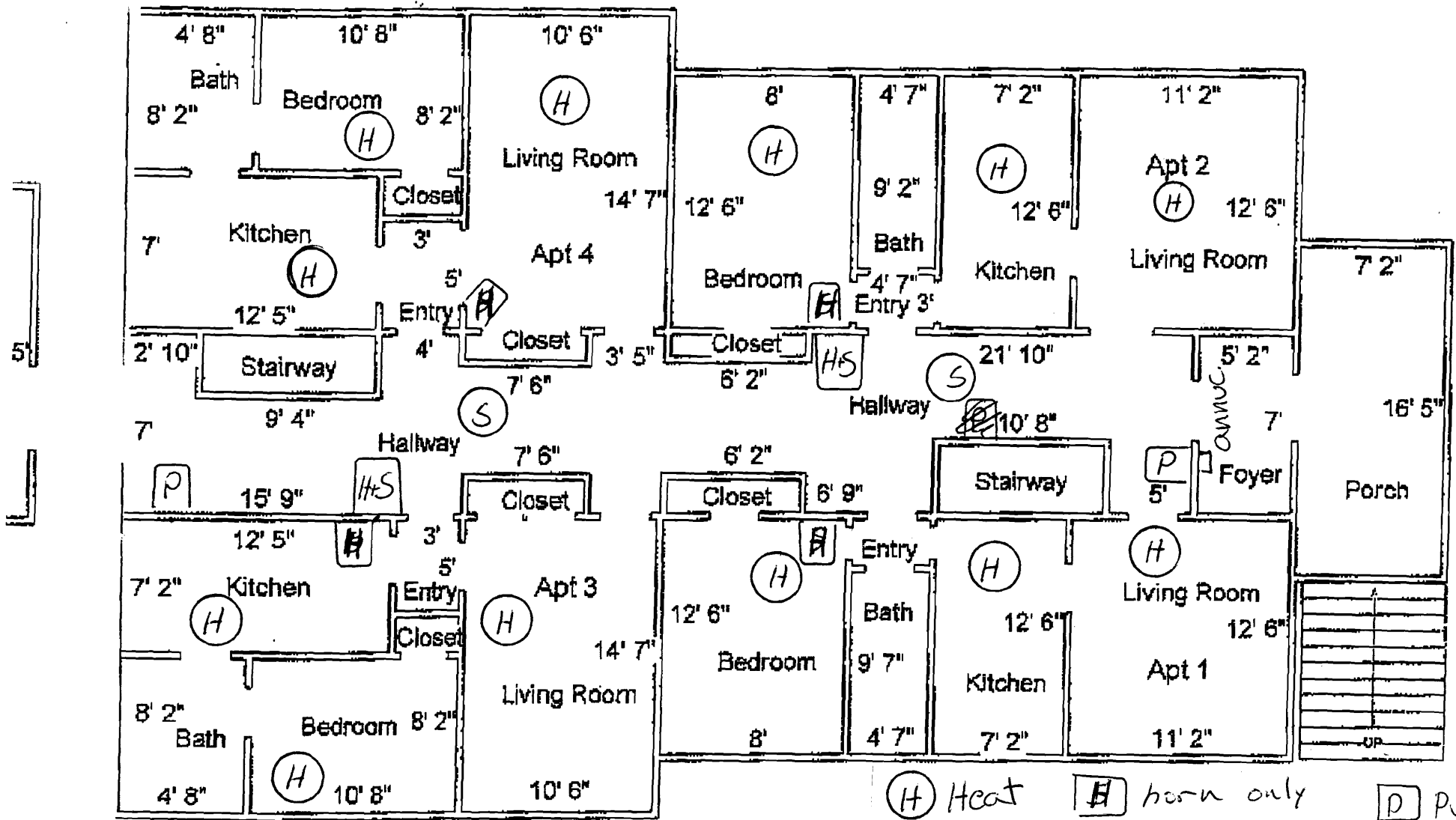
Multiply by the Derating Factor X 1.200 AH

Battery Size/Total Amperes Required 3.021 AH



80 Grant Street, Portland, Maine
 Basement Floor Plans Apartment 13

8
7
2
7
7
8



80 Grant Street Portland, Maine

(H) Heat (H) horn only (P) Pull
 (S) smoke (HS) horn strobe
 First Floor Plans
 2nd and 3rd

INSA

Fire Alarm Certification Program

Be It Known That

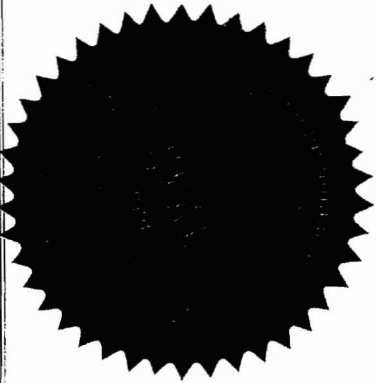
Shannon F. McMahon

is hereby certified as a

Interior Fire Alarm Technician Level II

by completing all requirements and examination

For Certification on this Twenty-ninth day of March, 2004



Certificate Number

JB_71376

Executive Director

Maury E. Lawrence

Port Property

M A N A G E M E N T

Fr: 80 Grant Street, LLC: Tom Watson, Its Manager
To: Captain Keith Gautreau, Lt. Ben Wallace
Re: Additional Information for Fire Alarm Permit at 80 Grant Street
Da: December 23, 2009

Keith/Ben:

Please see additional information attached:

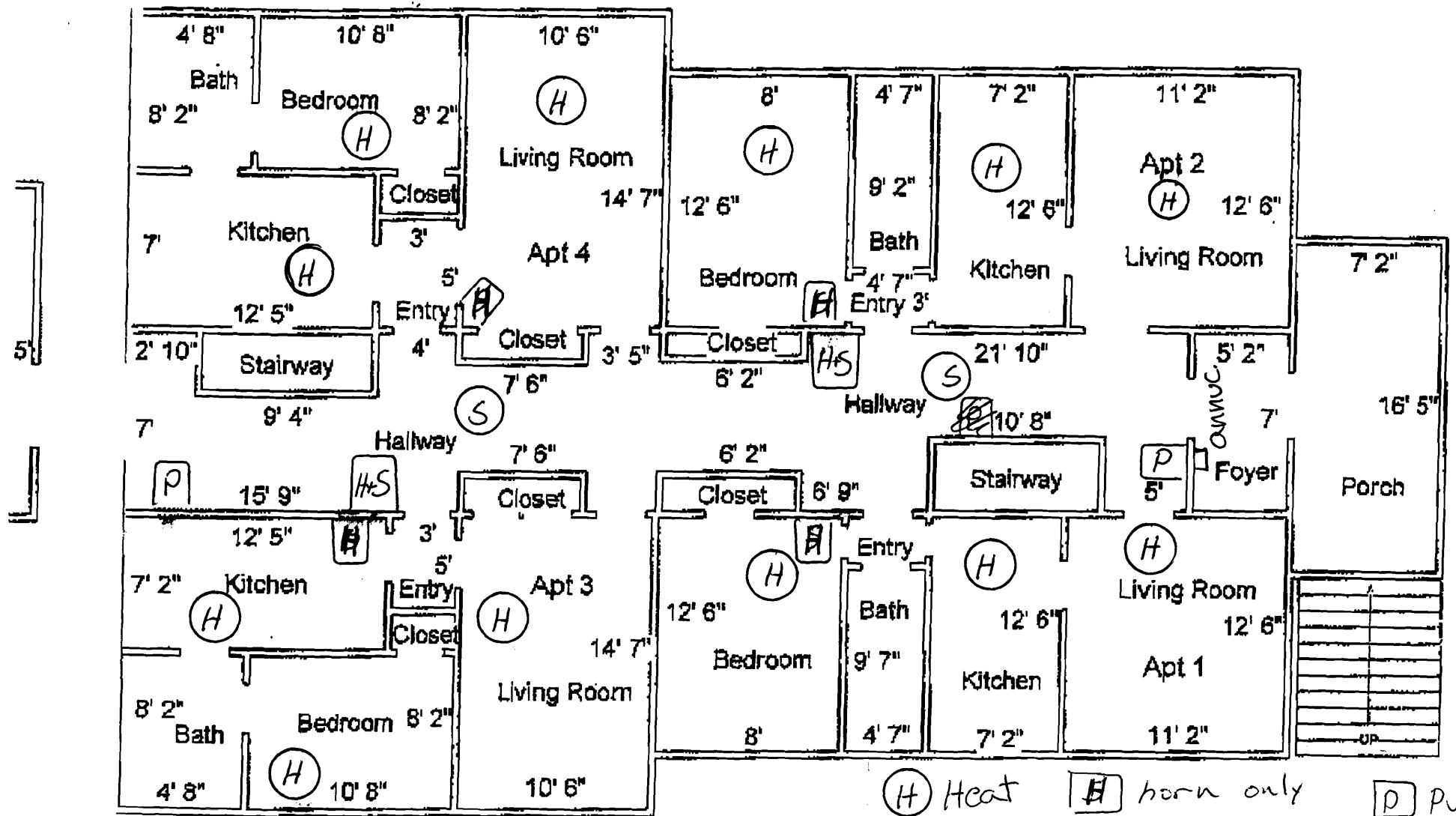
1. Shannon McMahon's Certifications
2. Wiring Diagrams
3. Equipment Data Sheets.

I hope this covers most of what you need to complete the Application for the Fire Alarm Permit at 80 Grant Street. Please let me know if there's anything else you need.

Thanks.

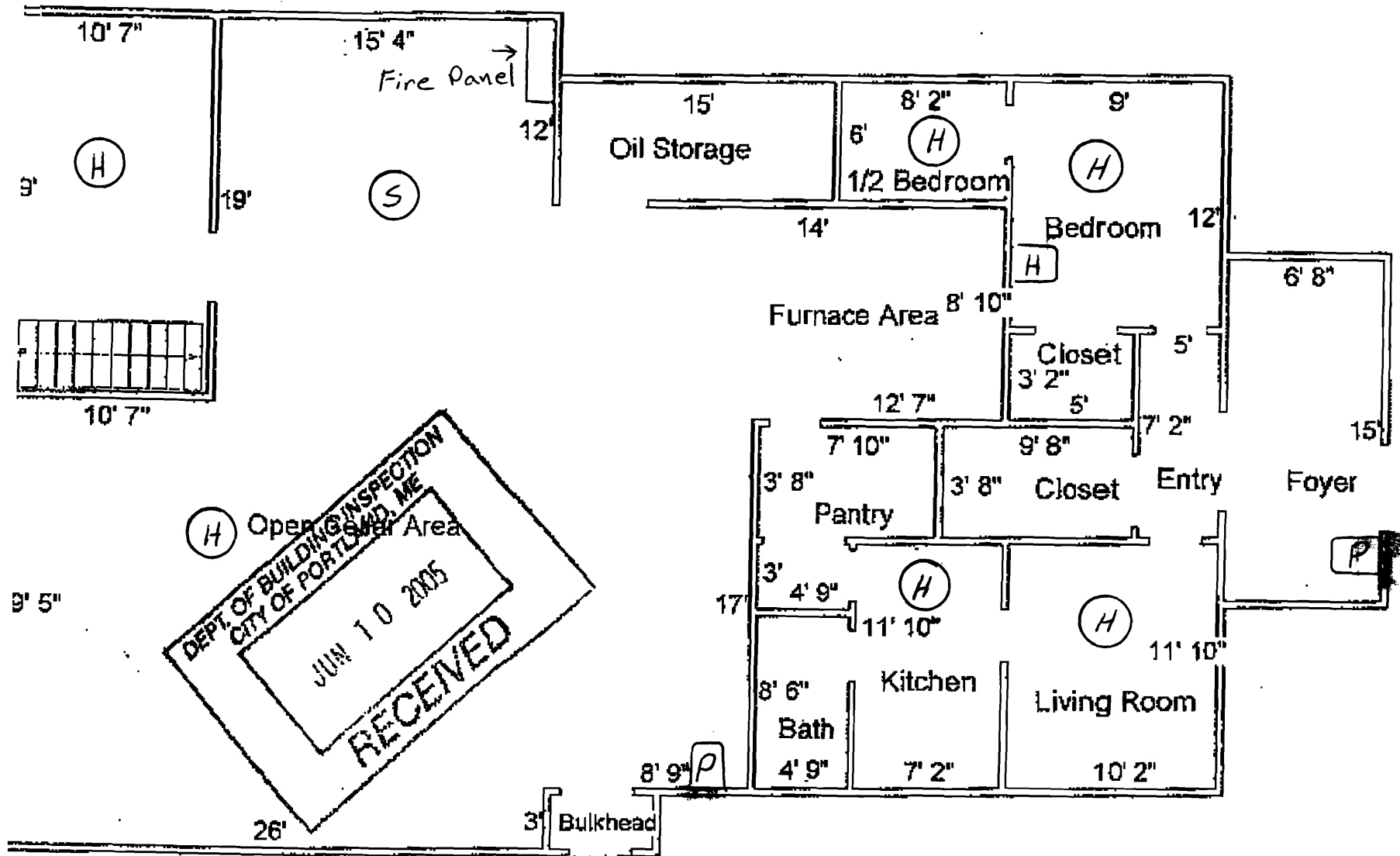
A handwritten signature in black ink, appearing to be 'Tom Watson', written over a horizontal line.

Tom Watson



80 Grant Street Portland, Maine

(H) Heat (H) horn only (P) pull
 (S) Smoke (HS) horn strobe
 First Floor Plans
 2nd and 3rd



80 Grant Street, Portland, Maine
 Basement Floor Plans Apartment 13

8' 2"
 7'
 2' 1"
 7'
 7' 2"
 8' 2"
 4

IMSA

Fire Alarm Certification Program

Be It Known That

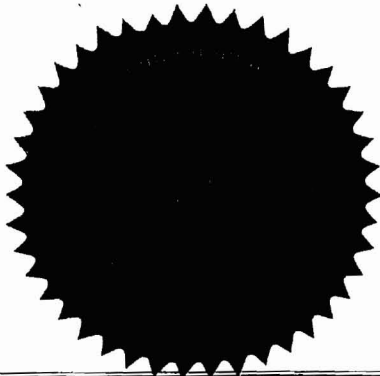
Shannon F. McMahon

is hereby certified as a

Interior Fire Alarm Technician Level II

by completing all requirements and examination

For Certification on this Twenty-ninth day of March, 2004



Marilyn E. Lawrence

Executive Director

Certificate Number

JB_71376

CERTIFICATE OF TRAINING



This is to certify that

Shannon McMahon of Town & Country Electric

has successfully completed an intensive Fire-Lite Academy Course covering:

Basic Fire Alarm Technology
Large Addressable Fire Control Panels
Conventional Panels with Remote Upload/Download

Presented on September 19, 2002


Customer Operations
Manager


Vice President
Sales & Marketing


Fire-Lite Trainer

80 Grant Fire System Riser Diagram

Zone 1 1 st Floor	Zone 2 2 nd Floor	Zone 3 3 rd Floor	Zone 4 Basement
Pull station rear exit	Pull station rear stairs	Pull station rear stairs	Smoke detector panel
Smoke detector hall	Smoke detector hall	Smoke detector hall	Heat basement
Heat Apt 3 kitchen	Heat Apt 7 kitchen	Heat Apt 11 kitchen	Heat basement
Heat Apt 3 bedroom	Heat Apt 7 bedroom	Heat Apt 11 bedroom	Pull station basement
Heat Apt 3 living	Heat Apt 7 living	Heat Apt 11 living	Heat Apt 13 kitchen
Heat Apt 1 bedroom	Heat Apt 5 bedroom	Heat Apt 9 bedroom	Heat Apt 13 living
Heat Apt 1 kitchen	Heat Apt 5 kitchen	Heat Apt 9 kitchen	Heat Apt 13 bedroom
Heat Apt 1 living	Heat Apt 5 living	Heat Apt 9 living	Heat Apt 13 bedroom
Pull station front exit	Pull station front stairs	Pull station front stairs	Pull station Apt 13
Smoke detector hall	Smoke detector hall	Smoke detector hall	
Heat Apt 2 living	Heat Apt 6 living	Heat Apt 10 living	
Heat Apt 2 kitchen	Heat Apt 6 kitchen	Heat Apt 10 kitchen	
Heat Apt 2 bedroom	Heat Apt 6 bedroom	Heat Apt 10 bedroom	
Heat Apt 4 living	Heat Apt 8 living	Heat Apt 12 living	
Heat Apt 4 bedroom	Heat Apt 8 bedroom	Heat Apt 12 bedroom	
Heat Apt 4 kitchen	Heat Apt 8 kitchen	Heat Apt 12 kitchen	

80 Grant St. Nac circuits riser diagram

Nac 1

Basement

Apt 13

1st floor hall rear

Apt 3

Apt 1

2nd floor rear

Apt 7

Apt 5

3rd floor rear

Apt 11

Apt 9

Nac 2

1st floor front

Apt 2

Apt 4

2nd floor front

Apt 6

Apt 8

3rd floor front

Apt 10

Apt 12

City of Portland, Maine - Building or Use Permit

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

Permit No: 09-1400	Date Applied For: 12/10/2009	CBL: 048 D003001
------------------------------	--	----------------------------

Location of Construction: 80 GRANT ST	Owner Name: 80 GRANT STREET LLC	Owner Address: 104 GRANT ST	Phone:
Business Name:	Contractor Name: Mark Tardiff	Contractor Address: 10 Wolcott Street Portland	Phone (207) 239-9046
Lessee/Buyer's Name	Phone:	Permit Type: Amendment to Multifamily	

Proposed Use: 13 Unit Residential - Amendment to permit#050742 correct life safety issues installation of non bearing partition walls with fire doors in common halls on 1st, 2nd & 3rd floor. 1 door & partition per floor	Proposed Project Description: Amendment to permit#050742 correct life safety issues installation of non bearing partition walls with fire doors in common halls on 1st, 2nd & 3rd floor. 1 door & partition per floor
---	---

Dept: Zoning **Status:** Approved with Conditions **Reviewer:** Marge Schmuckal **Approval Date:** 12/10/2009

Note: **Ok to Issue:**

- 1) Separate permits shall be required for future decks, sheds, pools, and/or garages.
- 2) 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.
- 3) This property shall remain a thirteen (13) family dwelling. Any change of use shall require a separate permit application for review and approval.
- 4) 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:** Jeanine Bourke **Approval Date:** 01/13/2010

Note: **Ok to Issue:**

- 1) Separate permits are required for any electrical, plumbing, sprinkler, fire alarm or HVAC or exhaust systems. Separate plans may need to be submitted for approval as a part of this process.

Dept: Fire **Status:** Approved with Conditions **Reviewer:** Ben Wallace Jr. **Approval Date:** 12/15/2009

Note: **Ok to Issue:**

- 1) A separate Fire Alarm System and Electrical Permit is required.
- 2) Fire doors shall have commercial listed self-closer.
- 3) New partitions shall be continuous from floor deck to floor deck and shall directly line up on each floor. 5/8 type-X sheetrock required each side.
- 4) Walls in structure are to be labeled according to fire resistance rating.
IE; 1 hr. / 2 hr. / smokeproof.
- 5) Emergency lights and exit signs are required. Emergency lights and exit signs are required to be labeled in relation to the panel and circuit and shall be on the proper lighting circuit.
- 6) Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance
- 7) All construction shall comply with NFPA 101