



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.

Address/Location of Construction: <u>239 Cumberland Ave.</u>		
Total Square Footage of Proposed Structure: <u>178 S.F.</u>		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot# <u>26 L 10</u>	Applicant Name: <u>Louis Christen</u> Address <u>239 Cumberland Ave.</u> City, State & Zip <u>Portland, ME 04101</u>	Telephone: <u>207-415-9620</u> Email: <u>louischristen@yahoo.com</u>
Lessee/Owner Name : (if different than applicant) Address: City, State & Zip: Telephone E-mail:	Contractor Name: (if different from Applicant) Address: City, State & Zip: Telephone E-mail:	Cost Of Work: \$ <u>35,600</u> <u>25 + (15 x 35) = 550</u> C of O Fee: \$ <u>100</u> Historic Rev \$ _____ Total Fees : \$ <u>650.00</u>
Current use (i.e. single family) <u>single family unit in a 3-unit bldg.</u> If vacant, what was the previous use? Proposed Specific use: <u>single family unit in a 3-unit bldg.</u> Is property part of a subdivision? <u>NO</u> If yes, please name _____ Project description: <u>Remodel roof for a reverse dormer deck.</u>		
Who should we contact when the permit is ready: <u>Louis Christen</u>		
Address: <u>239 Cumberland Ave</u>		
City, State & Zip: <u>Portland, ME 04101</u>		
E-mail Address: <u>louischristen@yahoo.com</u>		
Telephone: <u>207-415-9620</u>		

Please submit all of the information outlined on the applicable checklist. Failure to do so causes an automatic permit denial.

In order to be sure the City fully understands the full scope of the project, the Planning and Development Department may request additional information prior to the issuance of a permit. For further information or to download copies of this form and other applications visit the Inspections Division on-line at www.portlandmaine.gov, or stop by the Inspections Division office, room 315 City Hall or call 874-8703.

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

Signature:	Date: <u>11-8-16</u>
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This is not a permit; you may not commence ANY work until the permit is issued.



Jeff Levine, AICP, Director
Planning & Urban Development Department

Tammy Munson, Director
Inspections Division

Electronic Signature and Fee Payment Confirmation

Notice: Your electronic signature is considered a legal signature per state law.

By digitally signing the attached document(s), you are signifying your understanding this is a legal document and your electronic signature is considered a **legal signature** per Maine state law. You are also signifying your intent on paying your fees by the opportunities below.

I, the undersigned, intend and acknowledge that no permit application can be reviewed until payment of appropriate permit fees are **paid in full** to the Inspections Office, City of Portland Maine by method noted below:

Within 24-48 hours, upon receipt of an e-mailed invoice from Building Inspections, which signifies that my electronic permit application and corresponding paperwork have been received, determined complete, entered by an administrative representative, and assigned a permit number, I then have the following four (4) payment options:

- provide an on-line electronic check or credit/debit card (we now accept American Express, Discover, VISA, and MasterCard) payment (along with applicable fees beginning July 1, 2014),
- call the Inspections Office at (207) 874-8703 and speak to an administrative representative to provide a credit/debit card payment over the phone,
- hand-deliver a payment method to the Inspections Office, Room 315, Portland City Hall,
- deliver a payment method through the U.S. Postal Service, at the following address:

City of Portland, Inspections Division
389 Congress Street, Room 315
Portland, Maine 04101

Once my payment has been received, this then starts the review process of my permit. **After all approvals have been met and completed, I will then be issued my permit via e-mail.** No work shall be started until I have received my permit.

Applicant Signature: _____

Date: 11-8-16

I have provided digital copies and sent them on: flash drive

Date: 11-9-16

NOTE: All electronic paperwork must be delivered to buildinginspections@portlandmaine.gov or by physical means ie; a thumb drive or CD to the office.



Certificate of Design Application

From Designer: Structural Integrity

Date: 11-8-16

Job Name: Christen / Henry Residence

Address of Construction: 239 Cumberland Ave

2009 International Building Code

Construction project was designed to the building code criteria listed below:

Building Code & Year 2009 IBC Use Group Classification (s) R-2

Type of Construction 5-B

Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC NO

Is the Structure mixed use? NO If yes, separated or non separated or non separated (section 302.3) _____

Supervisory alarm System? NO Geotechnical/Soils report required? (See Section 1802.2) NO

Structural Design Calculations

_____ Submitted for all structural members (106.1 - 106.11)

Design Loads on Construction Documents (1603)

Uniformly distributed floor live loads (7603.11, 1807)

Floor Area Use	Loads Shown
<u>RESIDENTIAL</u>	<u>40 PSF</u>
<u>BALCONY</u>	<u>60 PSF</u>
_____	_____
_____	_____

Wind loads (1603.1.4, 1609) ONLY USED FOR UPLIFT ON NEW BALCONY GRAPES

ANALYTICAL Design option utilized (1609.1.1, 1609.6)

100 MPH Basic wind speed (1809.3)

II, 1.0 Building category and wind importance Factor, I_w (table 1604.5, 1609.5)

C Wind exposure category (1609.4)

1-0.18 Internal pressure coefficient (ASCE 7)

35 PSF Component and cladding pressures (1609.1.1, 1609.6.2.2)

_____ Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

_____ Design option utilized (1614.1)

_____ Seismic use group ("Category")

_____ Spectral response coefficients, S_D & S_I (1615.1)

_____ Site class (1615.1.5)

- _____ Live load reduction
- _____ Roof live loads (1603.1.2, 1607.11)
- 42 PSF Roof snow loads (1603.7.3, 1608)
- 60 PSF Ground snow load, P_g (1608.2)
- 42 If $P_g > 10$ psf, flat-roof snow load P_f
- 1.0 If $P_g > 10$ psf, snow exposure factor, C_e
- 1.0 If $P_g > 10$ psf, snow load importance factor, I_s
- 1.0 Roof thermal factor, C_t (1608.4)
- NOT USED Sloped roof snowload, P_s (1608.4)
- _____ Seismic design category (1616.3)
- _____ Basic seismic force resisting system (1617.6.2)
- _____ Response modification coefficient, R and deflection amplification factor, C_d (1617.6.2)
- _____ Analysis procedure (1616.6, 1617.5)
- _____ Design base shear (1617.4, 1617.5.1)
- Flood loads (1803.1.6, 1612)**
- _____ Flood Hazard area (1612.3)
- _____ Elevation of structure
- Other loads**
- _____ Concentrated loads (1607.4)
- _____ Partition loads (1607.5)
- _____ Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)