



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Strengthening a Remarkable City, Building a Community for Li

Date: 09/10/13

Jeff Levine, AICP, Director
Director of Planning and Urban Development

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, once my complete permit application and corresponding paperwork has been electronically delivered, I intend to **call the Inspections Office** at 207-874-8703 and speak to an administrative representative and provide a credit/debit card over the phone.
- Within 24-48 hours, once my permit application and corresponding paperwork has been electronically delivered, I intend to **hand deliver** a payment method to the Inspections Office, Room 315, Portland City Hall.
- I intend to deliver a payment method through the U.S. Postal Service mail once my permit paperwork has been electronically delivered.

Applicant Signature: William Hopkins

Date: 7/24/2013

I have provided digital copies and sent them on:

Date: 7/24/2013

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



New Commercial Permit Application Checklist



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

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

Date: 09/10/13

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

Note: Construction documents for costs in excess of \$50,000.00 must be prepared by a Design Professional and bear their seal.

- Cross sections w/framing details
- Detail of any new walls or permanent partitions
- Floor plans and elevations
- Window and door schedules
- Foundation plans with rebar specifications and required drainage and damp proofing (if applicable)
- Detail egress requirements and fire separations
- Insulation R-factors of walls, ceilings, floors and U-factors of windows as per the IECC 2009
- Complete the Accessibility Certificate and The Certificate of Design
- A statement of special inspections as required per the IBC 2009
- Complete electrical and plumbing layout.
- Mechanical drawings for any specialized equipment such as furnaces, chimneys, gas equipment, HVAC equipment (air handling) or other types of work that may require special review.
- Reduced plans or electronic files in PDF format are required if originals are larger than 11" x 17".
- Per State Fire Marshall, all new bathrooms must be ADA compliant.

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

Nine (9) copies of the minor (< 10,000 sf) or major (> 10,000 sf) site plan application is required that includes:

- A stamped boundary survey to scale showing north arrow, zoning district and setbacks to a scale of $\geq 1'' = 20'$ on paper $\geq 11'' \times 17''$
- The shape and dimension of the lot, footprint of the proposed structure and the distance from the actual property lines. Photocopies of the plat or hand draw footprints not to scale will not be accepted.
- Location and dimensions of parking areas and driveways, street spaces and building frontage
- Finish floor or sill elevation (based on mean sea level datum)
- Location and size of both existing utilities in the street and the proposed utilities serving the building
- Existing and proposed grade contours
- Silt fence (erosion control) locations



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Fire Department requirements.

The following shall be submitted on a separate sheet:

Date: 09/10/13

- Name, address and phone number of applicant **and** the project architect.
- Proposed use of structure (NFPA and IBC classification)
- Square footage of proposed structure (total and per story)
- Existing and proposed fire protection of structure.
- Separate plans shall be submitted for
 - a) Suppression system
 - b) Detection System (separate permit is required)
- A separate Life Safety Plan must include:
 - a) Fire resistance ratings of all means of egress
 - b) Travel distance from most remote point to exit discharge
 - c) Location of any required fire extinguishers
 - d) Location of emergency lighting
 - e) Location of exit signs
 - f) NFPA 101 code summary
- Elevators shall be sized to fit an 80" x 24" stretcher.

For questions on Fire Department requirements call the Fire Prevention Officer at (207) 874-8405.

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 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.

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.



Certificate of Design Application



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

From Designer: Archetype
 Date: 7/24/13
 Job Name: Paradigm Windows Date: 09/10/13
 Address of Construction: 56 Milliken Street

2009 International Building Code

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

Building Code & Year IBC 2009 Use Group Classification (s) F-2 Factory Industrial F-2 Low Haz
 Type of Construction I/II
 Will the Structure have a Fire suppression system in Accordance with Section 903.3.1 of the 2009 IRC YES
 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) N/A

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>light manufacturing</u>	<u>125 psf</u>

Wind loads (1603.1.4, 1609)

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)
B Wind exposure category (1609.4)
GCP=0.18 Internal pressure coefficient (ASCE 7)
40psf/70psf Component and cladding pressures (1609.1.1, 1609.6.2.2)
15 psf Main force wind pressures (7603.1.1, 1609.6.2.1)

Earth design data (1603.1.5, 1614-1623)

equivalent la Design option utilized (1614.1)
II Seismic use group ("Category")
0.274, 0.107 Spectral response coefficients, S_D & S_{D1} (1615.1)
D Site class (1615.1.5)

- Live load reduction
20 Roof *live* loads (1603.1.2, 1607.11)
42 Roof snow loads (1603.7.3, 1608)
60 Ground snow load, P_g (1608.2)
34 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
1.1 Roof thermal factor, C_t (1608.4)
34 Sloped roof snowload, P_s (1608.4)
B Seismic design category (1616.3)
b4 Basic seismic force resisting system (1617.6.2)
3.25, 3.25 Response modification coefficient, R_f 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
2000lb veh Concentrated loads (1607.4)
5 PSF Partition loads (1607.5)
--- Misc. loads (Table 1607.8, 1607.6.1, 1607.7, 1607.12, 1607.13, 1610, 1611, 2404)



Accessibility Building Code Certificate



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 09/10/13

Designer: Archetype Architects

Address of Project: 56 Milliken Street

Nature of Project:

1. Provide new demising wall between Paradigm Windows & Advance Pierre Foods.
- 2.Reconfigure existing offices
- 3.Provide new loading/unloading facilities
4. New storage shed on N. side of existing building.
- 5.Install new window washing prep room in existing warehouse.

The technical submissions covering the proposed construction work as described above have been designed in compliance with applicable referenced standards found in the Maine Human Rights Law and Federal Americans with Disability Act. Residential Buildings with 4 units or more must conform to the Federal Fair Housing Accessibility Standards. Please provide proof of compliance if applicable.



Signature: 

Title: Maine Licensed Architect

Firm: Archetype, PA

Address: 48 Union Wharf

Portland, ME 04101

Phone: (207) 772-6022

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov



Certificate of Design



Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 09/10/13

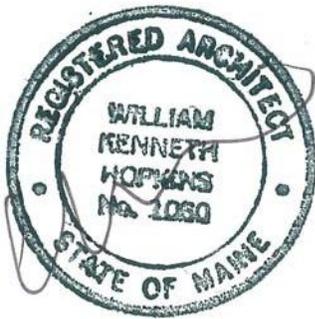
Date: July 24, 2013

From: Archetype Architects

These plans and / or specifications covering construction work on:

56 Milliken Street

Have been designed and drawn up by the undersigned, a Maine registered Architect / Engineer according to the **2009 International Building Code** and local amendments.



Signature: 

Title: Maine Licensed Architect

Firm: Archetype, PA

Address: 48 Union Wharf

Portland, ME 04101

Phone: (207) 772-6022

For more information or to download this form and other permit applications visit the Inspections Division on our website at www.portlandmaine.gov