

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



# CITY OF PORTLAND BUILDING PERMIT



**This is to certify that**

GULLIKSON DIANE M /Freedom Fire Protection, Inc

**Located at**

35 BAY ST

**PERMIT ID:** 2012-50305

**CBL:** 156 C001001

has permission to **install NFPA 13D sprinkler system**

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 the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be procured prior to occupancy.

  
Fire Prevention Officer

  
Code Enforcement Officer / Plan Reviewer

**THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY  
THERE IS A PENALTY FOR REMOVING THIS CARD**

**BUILDING PERMIT INSPECTION PROCEDURES**  
Please call 874-8703 (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 Inspections 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.**

**REQUIRED INSPECTIONS:**

Final - Fire

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

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

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

<b>Permit No:</b> 201250305	<b>Date Applied For:</b> 11/16/2012	<b>CBL:</b> 156 C001001
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<b>Location of Construction:</b> 35 BAY ST	<b>Owner Name:</b> GULLIKSON DIANE M	<b>Owner Address:</b> 35 BAY ST	<b>Phone:</b>
<b>Business Name:</b>	<b>Contractor Name:</b> Freedom Fire Protection, Inc	<b>Contractor Address:</b> 209 Quaker Ridge Road Casco	<b>Phone:</b> (207) 627-4109
<b>Lessee/Buyer's Name</b>	<b>Phone:</b>	<b>Permit Type:</b> Fire Alarm System	

<b>Proposed Use:</b> One Family sprinkler (no charge)	<b>Proposed Project Description:</b> install NFPA 13D sprinkler system
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<b>Dept:</b> Zoning	<b>Status:</b> Approved	<b>Reviewer:</b> Marge Schmuckal	<b>Approval Date:</b> 11/20/2012
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		

<b>Dept:</b> Fire	<b>Status:</b> Approved w/Conditions	<b>Reviewer:</b> Ben Wallace Jr	<b>Approval Date:</b> 12/24/2012
<b>Note:</b>	<b>Ok to Issue:</b> <input checked="" type="checkbox"/>		
1) A copy of the required state sprinkler permit with RMS signoff shall be provided prior to the final inspection. 2) All control valves shall be supervised in accordance with NFPA 13D. Pad locks shall only be installed on valves designed to be secured in the open position by pad lock. 3) The sprinkler system shall be installed in accordance with NFPA 13D.			

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

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

Job No: 2012-11-5413-FAFS	Date Applied: 11/16/2012	CBL: 156- C-001-001	
Location of Construction: 35 BAY ST	Owner Name: DIANE GULLIKSON	Owner Address: 35 BAY ST PORTLAND, MAINE 04103	Phone:
Business Name:	Contractor Name: FREEDOM FIRE PROTECTION	Contractor Address: 209 QUAKER RIDGE RD CASCO MAINE 04015	Phone: (207) -627-4109
Lessee/Buyer's Name:	Phone:	Permit Type: SPRINKLER SYSTEM	Zone: R-3
Past Use: Single family dwelling	Proposed Use: Same: Single family dwelling – to install fire suppression system	Cost of Work: \$6,000.00	CEO District:
		Fire Dept: 12/24/12 <input checked="" type="checkbox"/> Approved w/ conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
Proposed Project Description: One Family sprinkler (no charge)		Signature: <i>[Signature]</i> (50)	
Permit Taken By: Brad		Pedestrian Activities District (P.A.D.)	

**Zoning Approval**

<ol style="list-style-type: none"> <li>This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</li> <li>Building Permits do not include plumbing, septic or electrical work.</li> <li>Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.</li> </ol>	<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan  ___ Maj ___ Min ___ MM Date: <i>OK</i> <i>11/20/12</i>	<b>Zoning Appeal</b> <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  Date:	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in Dist 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  Date: <i>[Signature]</i>
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**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 \_\_\_\_\_

Entered 11/16/12

(B)

# One- or Two-family Fire Sprinkler 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.

156 Cool

# 2012-11-5413-FAFS

Installation address: 35 Bay Street, Portland Maine

Building owner: KR Stiffler Construction Diane Grubbs <sup>KS</sup> Phone: 207-400-7140

Installer: Freedom Fire Protection, Inc. Phone: 207-627-4109

Total sq/ft of building floor space per unit: 1,276sq/ft  Single-family home  
or

Sq/ft of sprinklered floor space per unit: \_\_\_\_\_  Two-family home

Is this a multipurpose piping system? Y / N Sprinkler piping uses Pex? Y / N

Water supply:  Municipal Water  Well pump  Stored water  Other

Include electronic copy of approved State Sprinkler Permit plans:

Additional cost to the owner for the home fire sprinkler system for each dwelling unit minus costs necessary for domestic needs (See below): **A=** \$5,305.00

Attach cost breakdown:  A City plumbing permit has been pulled:

RECEIVED  
NOV 16 2012  
Dept. of Building Inspections  
City of Portland Maine

COST OF WORK: \$5,305.00  
(A times number of units)  
  
NO FEE REQUIRED

Additional information and Frequently asked questions about home fire sprinkler systems may be found at

[www.portlandmaine.gov/fireprevention](http://www.portlandmaine.gov/fireprevention).

Sprinkler system cost must deduct costs that would have been incurred if the system did not provide sprinkler service. In a well pump system it would include the difference between the well pump to be installed and the one that would have been installed if there were no sprinkler demand on the system. Includes additional piping and valves that are required only because of NFPA Standard 13D, and not already required for domestic needs. Includes cost of sprinkler heads and additional installation costs.

## **Freedom Fire Protection, Inc.**

*30 Years of Fire Protection Experience*

209 Quaker Ridge Road

Casco, Maine 04015

Phone (207) 627-4109 Fax (207) 627-7340

November 15, 2012

Portland City Hall  
Third Floor Room #315  
Portland, Maine 04101

Attention: Captain Chris Pirone

Ref: 35 Bay Street  
Portland, Maine

Subject: Fire Sprinkler Plan Review

Enclosed please find for your review and comment the following sprinkler information.

- Fire Suppression System Permit
- Freedom Fire Protections drawing FP1
- Hydraulic Calculations
- CD Copy of Drawings and Calculations

Please get in touch with me to discuss any questions or if you need additional information.

Regards,

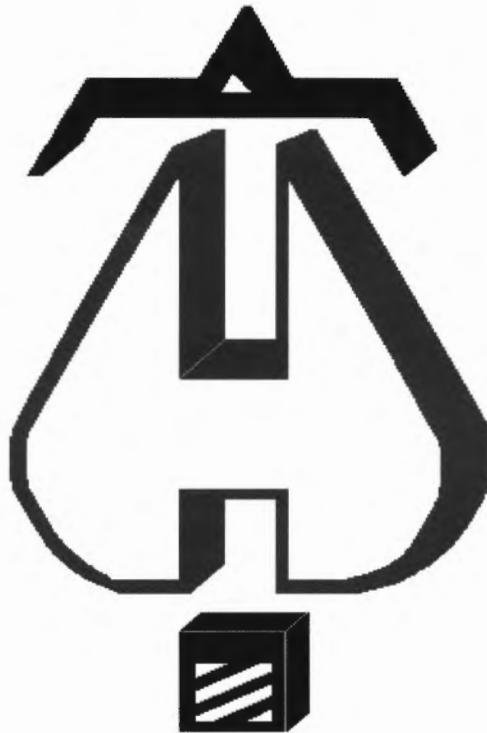
Mark Radziszewski

(O) 207-627-4109

(F) 207-627-7340

(C) 207-318-9992

E-mail [markrad@maine.rr.com](mailto:markrad@maine.rr.com)



... Fire Protection by Computer Design

FREEDOM FIRE PROTECTION INC.  
209 QUAKER RIDGE ROAD  
CASCO, MAINE 04015  
207-627-4109

Job Name : 35 BAY STREET  
Building : 35 BAY STREET  
Location : PORTLAND, MAINE 04103  
System : #1 AREA #1  
Contract :  
Data File : 35 BAY STREET HC.WXF

Final Calculations - Hazen-Williams

FREEDOM FIRE PROTECTION INC.  
35 BAY STREET

Page 5  
Date 11/9/12

Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	***** Notes *****
101 to 10	13.98	1.101 150	1T	9.563 0.0	0.500 9.562	10.100 0.0	K Factor = 4.40
	13.98	0.0351		0.0	10.062	0.353	Vel = 4.71
	0.0						
	13.98					10.453	K Factor = 4.32
102 to 10	14.21	1.101 150		0.0 0.0	0.500 0.0	10.435 0.0	K Factor = 4.40
	14.21	0.0360		0.0	0.500	0.018	Vel = 4.79
10 to 9	13.99	1.101 150	1T	9.563 0.0	10.000 9.562	10.453 4.331	
	28.2	0.1285		0.0	19.562	2.513	Vel = 9.50
9 to 8	0.0	1.101 150	1T	9.563 0.0	1.500 9.562	17.297 0.0	
	28.2	0.1285		0.0	11.062	1.421	Vel = 9.50
8 to 7	0.0	1.101 150	1T	9.563 0.0	8.830 9.562	18.718 0.0	
	28.2	0.1284		0.0	18.392	2.362	Vel = 9.50
7 to 6	0.0	1.101 150	1E	3.825 0.0	0.500 3.825	21.080 0.0	
	28.2	0.1286		0.0	4.325	0.556	Vel = 9.50
6 to 5	0.0	1.049 120	1T	5.0 0.0	10.000 5.000	21.636 4.331	
	28.2	0.2457		0.0	15.000	3.685	Vel = 10.47
5 to 4	0.0	1.049 120	1E	2.0 0.0	9.483 2.000	29.652 0.0	
	28.2	0.2457		0.0	11.483	2.821	Vel = 10.47
4 to 3	0.0	1.049 120	1E	2.0 0.0	5.830 2.000	32.473 0.0	
	28.2	0.2456		0.0	7.830	1.923	Vel = 10.47
3 to 2	0.0	1.049 120	1Zaa	0.0 0.0	6.500 0.0	34.396 6.815	* Fixed loss = 4
	28.2	0.2457		0.0	6.500	1.597	Vel = 10.47
2 to 1	0.0	0.745 140	1E	1.628 0.0	30.000 1.628	42.808 3.000	* Fixed loss = 3
	28.2	0.9779		0.0	31.628	30.928	Vel = 20.76
1 to 0	0.0	0.745 140		0.0 0.0	5.000 0.0	76.736 3.000	* Fixed loss = 3
	28.2	0.9778		0.0	5.000	4.889	Vel = 20.76
0 to TEST	0.0	6.16 140		0.0 0.0	150.000 0.0	84.625 0.0	
	28.2	0.0		0.0	150.000	0.005	Vel = 0.30
	0.0						



Final Calculations - Standard

FREEDOM FIRE PROTECTION INC.  
35 BAY STREET

Page 6  
Date 11/9/12

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Hyd. Ref. Point	Qa  Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
	28.20				84.630			K Factor =	3.07

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