

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-06-4159-FAFS	Date Applied: 6/4/2012	CBL: 168- K-008-001	
Location of Construction: 10 ALTON ST	Owner Name: WARDENS INC.	Owner Address: 10 ALTON ST PORTLAND, ME 04103	Phone: 883-8194
Business Name: Bethany House Parish	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: Parish and offices for the St. Peters Episcopal Church next door	Proposed Use: Same: Parish and offices – to install a sprinkler system	Cost of Work:	CEO District:
		Fire Dept: SEE PERMIT 2012-06-4295-FAFS <input type="checkbox"/> Approved <input type="checkbox"/> Denied <input checked="" type="checkbox"/> N/A Signature: HAS BEEN VOIDED	Inspection: Use Group: Type: Signature:
Proposed Project Description: Sprinkler System		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Brad		Zoning Approval	

1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
2. Building Permits do not include plumbing, septic or electrical work.
3. 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.

Special Zone or Reviews	Zoning Appeal	Historic Preservation
<input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>OK - 6/5/12</i>	<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:	<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>

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 appication 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

VOID

The application is for an NFPA 13D sprinkler system on the second floor only due to converting the 2nd floor from business occupancy to a dwelling unit. The building is currently business use throughout and the first floor will remain so. The building being converted to multiple, mixed use without 2-hour separation. The exits will be 1-hour and the floor/ceiling assemblies are constructed of plaster and lath or sheetrock. The building will have to be sprinklered throughout and is outside the scope of NFPA 13D or 13R. The State will permit the use of the Maine Life Safety sprinkler standard and the Fire Department will consider it if the owner will submit a written request for a code modification.

The GC and sprinkler contractor have both been notified.

R-3

Entered 6/5/12

RS

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.

CBL: 168 K008 # 2012-06-4159 - FAFS
Installation address: 10 Alton Street Portland Maine

Building owner: Bethany House Parish Phone: 207-883-8194

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

Total sq/ft of building floor space per unit: 1250 Single-family home
or

Sq/ft of sprinklered floor space per unit: N/A Two-family home

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

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=** \$4,846.00

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

PDF's on drive

COST OF WORK: \$4,846.00
(A times number of units)

NO FEE REQUIRED

RECEIVED

JUN 04 2012

Dept. of Building Inspections
City of Portland Maine

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

www.portlandmaine.gov/fireprevention.

RECEIVED
MAY 04 2012
Dept. of Building Inspections
City of Portland Maine

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.

0.9 above ground

erland County

Scale - 1" = 20' FT

199.

10 Alton Street (Bituminous)

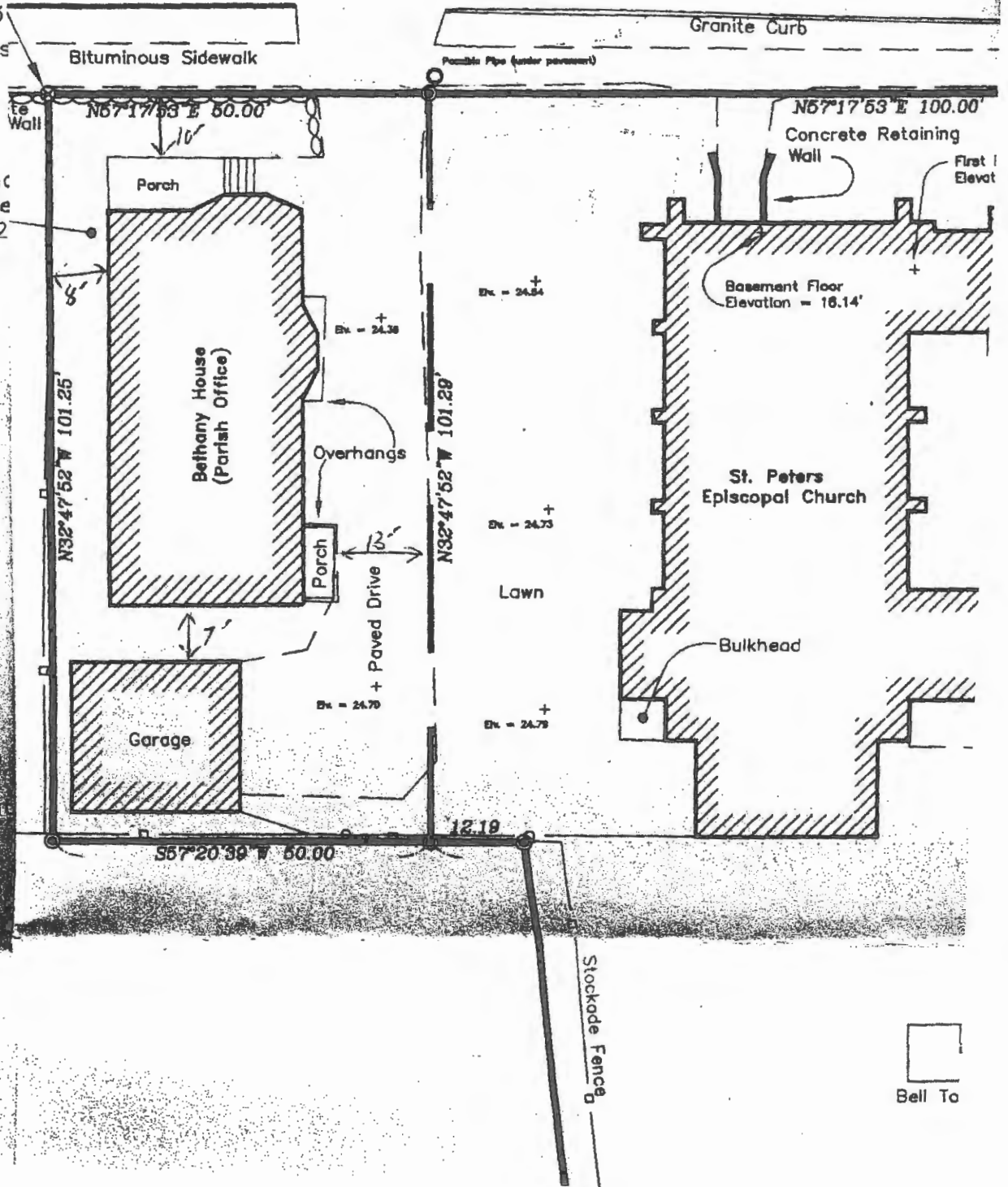
in the Diocese of
the 45 (Parcel 2).

3). Area = 5,063

and restrictions as

setback restriction

and Mean Tide. Bench
on northeasterly side
Elevation = 20.52



Recorded in Plan
and E.C. Jordan, dated
September 13, 1979
10 Alton Street, Portland



Bell To



State of Maine
Department of Public Safety
Fire Sprinkler System Permit



9996

BETHANY HOUSE PARISH OFFICE

Located at: 10 ALTON STREET
 In the Town of: Portland
 Occupancy/Use: APARTMENT
 Type of System: NFPA 13D



Permission is hereby given to:

Freedom Fire Protection, Inc.
 209 Quaker Ridge Road
 Casco, ME 04015
 Contractor License # 295

to begin installation according to plans submittal approved by the Office of State Fire Marshal.
 The submittal is filed under log # 2121186 , and no departure from the application submittal shall be made without prior approval in writing. This permit is issued under the provisions of Title 32, Chapter 20, Section 12004-I. Nothing herein shall excuse the holder of this permit from failure to comply with local ordinances, zoning laws, or other pertinent legal restrictions. This permit shall be displayed at the construction site or be made readily available.

This permit was issued on 5/1/2012 for a fee paid of \$25.00

This permit will expire at midnight on Sunday, October 28, 2012

The expiration date applies only if the installation has not begun by that date and no permission has been granted to extend the date. Once installation begins, then the permit is valid for however long it takes to complete the installation, assuming that the work is fairly continuous.

John E. Morris
 Commissioner

The type of Fire Department Connection and its location is to be according to the Local Fire Department

Within 30 days of the completion of a new fire sprinkler system or an addition to an existing fire sprinkler system, a fire sprinkler system contractor shall provide to the Office of State Fire Marshal a copy of this permit signed and dated by the certified Responsible Managing Supervisor representing that the fire sprinkler system has been installed according to specifications of the approved plan to the best of the supervisor's knowledge, information, and belief. This requirement is part of the sprinkler law, and neglect of this duty is grounds to not renew the contractor's license to do work in the State of Maine. All renewed sprinkler licenses are good for two years and expire on a June 30th.

Job completed, tested and verified by date of _____

RMS for this job: Vess Timothy L.

RMS Signature: _____



... Fire Protection by Computer Design

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

Job Name : BETHANY HOUSE PARISH OFFICE
Building : 10 ALTON STREET
Location : PORTLAND, MAINE 04103
System : #1 AREA #1
Contract :
Data File : BETHANY HOUSE PARISH OFFICE HC.WXF

HYDRAULIC DESIGN INFORMATION SHEET

Name - BETHANY HOUSE PARISH OFFICE Date - 4/25/12
 Location - PORTLAND, MAINE 04103
 Building - 10 ALTON STREET System No. - #1 AREA #1
 Contractor - FREEDOM FIRE PROTECTION Contract No. -
 Calculated By - MICHAEL NOBLIT Drawing No. - FP-1
 Construction: (X) Combustible () Non-Combustible Ceiling Height 8'-6"
 OCCUPANCY - HOUSE

S Type of Calculation: (X)NFPA 13 Residential ()NFPA 13R (X)NFPA 13D
 Y Number of Sprinklers Flowing: ()1 (X)2 ()4 ()
 S ()Other
 T ()Specific Ruling Made by Date
 E
 M Listed Flow at Start Point - 14 Gpm System Type
 Listed Pres. at Start Point - 10.1 Psi (X) Wet () Dry
 D MAXIMUM LISTED SPACING 14 x 14 () Deluge () PreAction
 E Domestic Flow Added - 0 Gpm Sprinkler or Nozzle
 S Additional Flow Added - 0 Gpm Make TYCO Model LFII
 I Elevation at Highest Outlet - 25'-6"Feet Size 1/2" K-Factor 4.4
 G Note: Temperature Rating 155
 N

Calculation Gpm Required 28.220 Psi Required 43.000 At Test
 Summary C-Factor Used: Overhead 150 Underground

W Water Flow Test: Pump Data: Tank or Reservoir:
 A Date of Test - Rated Cap. 45 Cap.
 T Time of Test - @ Psi 45 Elev.
 E Static (Psi) - Elev.
 R Residual (Psi) - Other Well
 Flow (Gpm) - Proof Flow Gpm
 S Elevation -

P Location:
 P
 L Source of Information:
 Y

Water Supply Curve (C)

FREEDOM FIRE PROTECTION INC.
 BETHANY HOUSE PARISH OFFICE

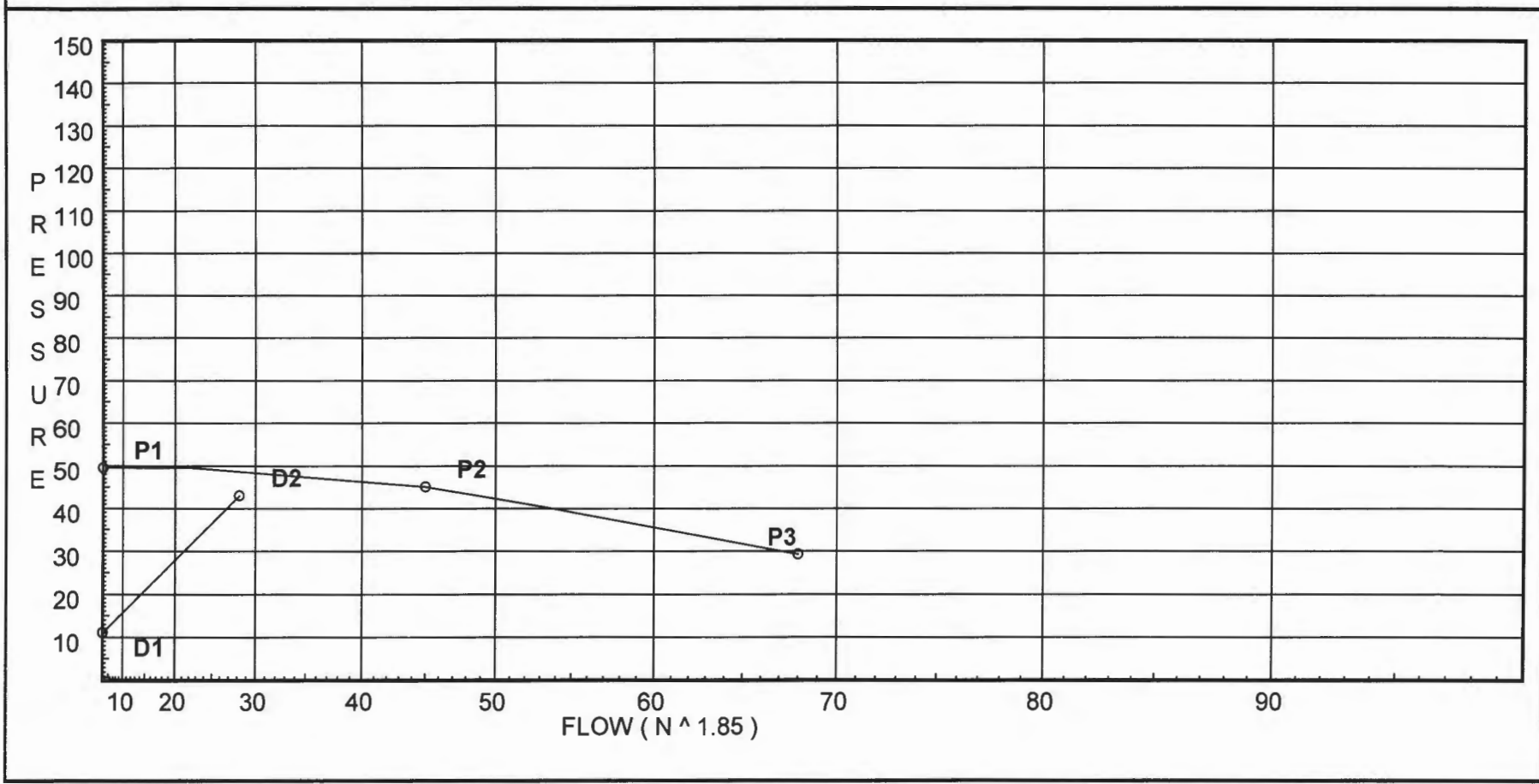
Page 2
 Date 4/25/12

Pump Data:

P1 - Pump Churn Pressure : 49.5
 P2 - Pump Rated Pressure : 45
 P2 - Pump Rated Flow : 45
 P3 - Pump Pressure @ Max Flow : 29.25
 P3 - Pump Max Flow : 68

Demand:

D1 - Elevation : 11.044
 D2 - System Flow : 28.2201
 D2 - System Pressure : 43.000
 Hose (Adj City) : _____
 Hose (Demand) : _____
 D3 - System Demand : 28.2201
 Safety Margin : 5.538



Fittings Used Summary

FREEDOM FIRE PROTECTION INC.
BETHANY HOUSE PARISH OFFICE

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Date 4/25/12

Fitting Legend		1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	8	10	12	14	16	18	20	24	
Abbrev.	Name																					
E	90° Standard Elbow	2	2	2	3	4	5	6	7	8	10	12	14	18	22	27	35	40	45	50	61	
F	45° Elbow	1	1	1	1	2	2	3	3	3	4	5	7	9	11	13	17	19	21	24	28	
S	Generic Swing Check Vlv	4	5	5	7	9	11	14	16	19	22	27	32	45	55	65	76	87	98	109	130	
T	90° Flow Thru Tee	3	4	5	6	8	10	12	15	17	20	25	30	35	50	60	71	81	91	101	121	

Pressure / Flow Summary - STANDARD

FREEDOM FIRE PROTECTION INC.
BETHANY HOUSE PARISH OFFICE

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Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
102	25.5	4.4	10.1	na	13.98	0.05	0.001	10.1
101	25.5	4.4	10.47	na	14.24	0.05	0.001	10.1
6	25.5		13.09	na				
5	25.5		20.55	na				
4	25.5		23.37	na				
3	6.66		36.68	na				
2	6.66		39.04	na				
1	0.0		42.74	na				
TEST	0.0		43.0	na				

The maximum velocity is 10.48 and it occurs in the pipe between nodes 101 and 6

Final Calculations - Hazen-Williams

FREEDOM FIRE PROTECTION INC.
BETHANY HOUSE PARISH OFFICE

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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 *****
102	13.98	1.049	1T 5.0	0.500	10.100		K Factor = 4.40
to		120	0.0	5.000	0.0		
101	13.98	0.0671	0.0	5.500	0.369		Vel = 5.19
101	14.24	1.049	2F 2.0	8.660	10.469		K Factor = 4.40
to		120	0.0	2.000	0.0		
6	28.22	0.2461	0.0	10.660	2.623		Vel = 10.48
6	0.0	1.049	0.0	30.330	13.092		
to		120	0.0	0.0	0.0		
5	28.22	0.2460	0.0	30.330	7.462		Vel = 10.48
5	0.0	1.049	2E 4.0	7.458	20.554		
to		120	0.0	4.000	0.0		
4	28.22	0.2461	0.0	11.458	2.820		Vel = 10.48
4	0.0	1.049	1E 2.0	18.916	23.374		
to		120	0.0	2.000	8.160		
3	28.22	0.2460	0.0	20.916	5.145		Vel = 10.48
3	0.0	1.049	1E 2.0	7.583	36.679		
to		120	0.0	2.000	0.0		
2	28.22	0.2461	0.0	9.583	2.358		Vel = 10.48
2	0.0	1.38	1S 7.0	5.660	39.037		
to		120	0.0	7.000	2.884		
1	28.22	0.0648	0.0	12.660	0.820		Vel = 6.05
1	0.0	1.38	1E 3.0	1.000	42.741		
to		120	0.0	3.000	0.0		
TEST	28.22	0.0648	0.0	4.000	0.259		Vel = 6.05
	0.0						
	28.22				43.000		K Factor = 4.30

Brad Saucier - Re: 10 Alton St. Fire sprinkler permit

From: Benjamin Wallace
To: Ann Machado; Brad Saucier; Chris Pirone
Date: 6/4/2012 4:40 PM
Subject: Re: 10 Alton St. Fire sprinkler permit

If you have the no-fee permit just send it through. We'll deal with it on our end when it arrives after Zoning sends it over.

Thanks,
Ben

>>> Brad Saucier 6/4/2012 8:29 AM >>>
Has anything happened on this application...I still have the original...

Brad Saucier

Administrative Assistant
Inspections Division
City of Portland
(207) 874-8703

>>> Chris Pirone 5/17/2012 8:50 AM >>>
Ben,
I have spoken w/Freedom Fire as we have discussed we are waiting to hear from the GC for a site visit.

Captain Chris Pirone
Portland Fire Department
Fire Prevention Bureau
380 Congress Street
Portland, ME 04101
(t) 207.874.8405
(f) 207.874.8410

>>> Benjamin Wallace 05/16/12 5:29 PM >>>
I'll call him in the morning.

>>> Brad Saucier 5/16/2012 2:29 PM >>>
Has anyone called Freedom Fire, 627-4109 and spoken with Mark or Bill to discuss this particular sprinkler permit? I am still holding onto the "one/two family fire sprinkler permit" application.

Brad Saucier
Administrative Assistant
Inspections Division
City of Portland
(207) 874-8703

>>> Chris Pirone 5/14/2012 8:25 AM >>>
Did he pay a fee?

Captain Chris Pirone
Portland Fire Department
Fire Prevention Bureau
380 Congress Street
Portland, ME 04101
(t) 207.874.8405
(f) 207.874.8410

>>> Brad Saucier 5/14/2012 8:23 AM >>>
So, should I still hold onto this?

Brad Saucier
Administrative Assistant
Inspections Division
City of Portland
(207) 874-8703

>>> Chris Pirone 5/14/2012 8:21 AM >>>
I have spoken with the GC he will need to submit a permit for a new sprinkler or nothing at all.

ad Saucier 5/14/2012 8:13 AM >>>
OK, so now this is still on my desk; I feel because of the time spent on this it should be put in now....whether it get put in free??

Brad Saucier
Administrative Assistant
Inspections Division
City of Portland
(207) 874-8703

Captain Chris Pirone
Portland Fire Department
Fire Prevention Bureau
380 Congress Street
Portland, ME 04101
(t) 207.874.8405
(f) 207.874.8410

>>> Benjamin Wallace 5/7/2012 8:15 AM >>>
It also makes a difference as to the standard they install the sprinkler system to. Pretty important detail.

>>> Chris Pirone 5/4/2012 11:35 AM >>>
It appears this is more than a 2unit according to our records. Ann Machado would have to weigh in on the legal use. No fee for one-2 units, 3+units will be charged a fee.

Captain Chris Pirone
Portland Fire Department
Fire Prevention Bureau
380 Congress Street

Portland, ME 04101
(t) 207.874.8405
(f) 207.874.8410

>>> Brad Saucier 5/4/2012 8:46 AM >>>

Hi

I just took in a sprinkler permit from Freedom Fire on a One-Two Family application. There seems to be some confusion whether this is an actual residential One-two unit or a commercial property. Could someone tell me what I need to do on this one? Should this be charged?

Brad Saucier
Administrative Assistant
Inspections Division
City of Portland
(207) 874-8703