



CITY OF PORTLAND BUILDING PERMIT



This is to certify that

CARREN JOY M ETAL & GARY LAMSON/Maine Fire Protection Systems

PERMIT ID: 2013-00460

Located at

25 BRAMHALL ST

CBL: 063 A002001

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 Statues 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 clsoed-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

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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

PERMIT ID: 2013-00460 Located at: 25 BRAMHALL ST CBL: 063 A002001

BUILDING PERMIT INSPECTION PROCEDURES Please call 874-8703 (ONLY)

or email: 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.

PERMIT ID: 2013-00460 Located at: 25 BRAMHALL ST CBL: 063 A002001

		,	ding or Use Permit 207) 874-8703, Fax: (20	07) 874-8716	Permit No: 2013-00460	Date Applied For: 03/08/2013	CBL: 063	A002001
Loca	ation of Constructi	ion:	Owner Name: Ow		Owner Address:		Phone:	
25	BRAMHALL S	T	CARREN JOY M ETAI		PO BOX 9715-327			
Busi	ness Name:		Contractor Name:		Contractor Address:		Phone	
			Maine Fire Protection S		PO Box 1050 Bang	gor	(207)	942-8809
Less	ee/Buyer's Name		Phone:	I	ermit Type:			
					Fire Suppression \	Water Based		
Prop	oosed Use:			Proposed	Project Description:			
Sin	gle family			install	NFPA 13D sprinkle	er system.		
	ept: Zoning ote:	Status: A	pproved	Reviewer:	Ann Machado	Approval Da	ate: Ok to I	03/11/2013 (ssue:
De	ept: Fire	Status: A	pproved w/Conditions	Reviewer:	Ben Wallace Jr	Approval Da	ate:	03/12/2013
N	ote: Spoke with 101 Life S Otherwise	afety Code allows additional approva	on the phone to clarify the a single family with no models will be required.	ore than 3 outsi			Ok to I	ssue:
1)	The sprinkler \$	ystem shall be insta	alled in accordance with N	NFPA 13D.				
2)	A copy of the r	equired state sprin	kler permit with RMS sign	noff shall be pro	ovided prior to the	final inspection.		
	Warning: T Devices that re- softeners, filtra system by a fire	The water system for strict the flow or do tions systems, and the protection special	in. letters, shall be affixed or this house supplies fire secrease the pressure or aut automatic shut off valves, ist. Do not remove this si	sprinklers that r tomatically shu shall not be ad ign.	require certain flow t off the water to the ded to this system	s and pressures to fig e fire sprinkler syste without a review of t	ght a fire m, such he fire s	e. as water prinkler
4)		ves shall be supervi open position by pa	sed in accordance with Nid lock.	FPA 13D. Pad	locks shall only be	installed on valves	designed	d to be

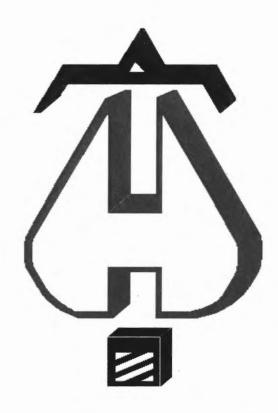
		_				Issue Date:	O63 V003001		
0			, Fax: (20/) 8/4-						
Location of Construction: 25 BRAMHALL ST	Street, 04101 Tel: (207) 874-8703, Fax: (207) 874-8716								
						ME 04402			
Lessee/Buyer's Name									
Past Use:		Proposed Use:					CEO District:		
Change of use to sing home (#2012-08-477	Single family		FIRE		Inve				
				3/	12/13	Denied	e Group: Type:		
Proposed Project Descript	tion:			1					
install water based fir	e supression sy	stem.			2700000	/11			
				А	ction: Approve	ed Approve	d w/Conditions Denied		
Permit Taken By:	Date A	nnlied For		S		A	Date:		
bjs				Zoning Approvai					
	cation does not	preclude the	Special Zone or Reviews		Zoning	g Appeal	Historic Preservation		
	o3/08/2013 s permit application does not preclude the plicant(s) from meeting applicable State and leral Rules. Idding permits do not include plumbing, tic or electrical work. Special Zone or Reviews Special Zone or Reviews Special Zone or Reviews Shoreland Wetland Wetland Miscellaneous Does Not Require Review								
		plumbing,	☐ Wetland		Miscellan	neous	Does Not Require Review		
within six (6) mo	onths of the date	of issuance.	☐ Flood Zone		Condition	nal Use	Requires Review		
False information permit and stop a		a building	Subdivision		Interpreta	ation	Approved		
			Site Plan		_ Approved	i	Approved w/Conditions		
			Maj Minor	мм 🗌	_ Denied		Denied		
			Date: 3/11/13	480	Date:		Date: ARN		
			CERTIFICA	ATION	N				
that I have been author this jurisdiction. In ad-	rized by the own dition, if a perm ve the authority	ner to make this nit for work desc	application as his a cribed in the applica	authoriz ation is	zed agent and I ag issued, I certify t	ree to conform	the owner of record and n to all applicable laws of fficial's authorized the provision of the		
SIGNATURE OF APPLIC	ANT		ADD	RESS		DATE	PHONE		
RESPONSIBLE PERSON	IN CHARGE OF V	VORK, TITLE				DATE	PHONE		



2013-00年60 Water-Based Fire Suppression System 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: 25 Bramhall Street	CBL: Obs ADOZ
Exact location: (within structure) Basement	RECEIVED
Type of occupancy(s) (NFPA & ICC): Light Hazard Resident	ial - Three Story House MAR 08 2013 License No: 789 Dept. of Pontland Maine Dept. of Pontland Maine
Building owner: Charlie Derouche	Building Inspand Maine
Managing Supervisor (RMS): Chris Maheux	License No: 789 Dept. of Building Inspection License No: 789 Dept. of Portland Maine
Supervisor phone: 207-942-8809	E-mail: cmaheux@mefirepro.com
Installing contractor: Maine Fire Protection Systems	License No: 1
Contractor phone: 207-942-8809	E-mail: service@mefirepro.com
The suppression work to be done will be: New:	ation: Addition to existing system:
This is an amendment to an existing permit: Yes: NO	Permit no:
NFPA Standard this system is designed to: NFPA 13D	Edition: 2010
*Non-NFPA systems are not approved for use within the City of Portland.	(3,000 COST OF WORK: \$12,762.00
Download a new copy of this document from	PERMIT FEE: \$157.56 \\ \SQUARE \\
www.portlandmaine.gov/fire for every submittal. Attach all working	(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)
documents and complete approved submittals as may be required by	
the State Fire Marshal's Office on electronic PDF's in addition to	
full sized plans.	
Contractor shall verify location and type of all FDCs shall	
be approved in writing by the Fire Prevention Bureau.	
Submit all information to the Building Inspections Department, 389 Con	grass Street Poom 315 Portland Mains 04101
Prior to acceptance of any fire protection system, a complete commiss	sioning and acceptance test must be coordinated with
all fire system contractors and the Fire Department, and proper docum	nentation of such test(s) provided.
All installation(s) must comply with NFPA and the Fire Department	Fechnical Standard(s).
A 11/	
Applicant signature: WM JM TM	Date: 02 /20 /2013



. . . Fire Protection by Computer Design

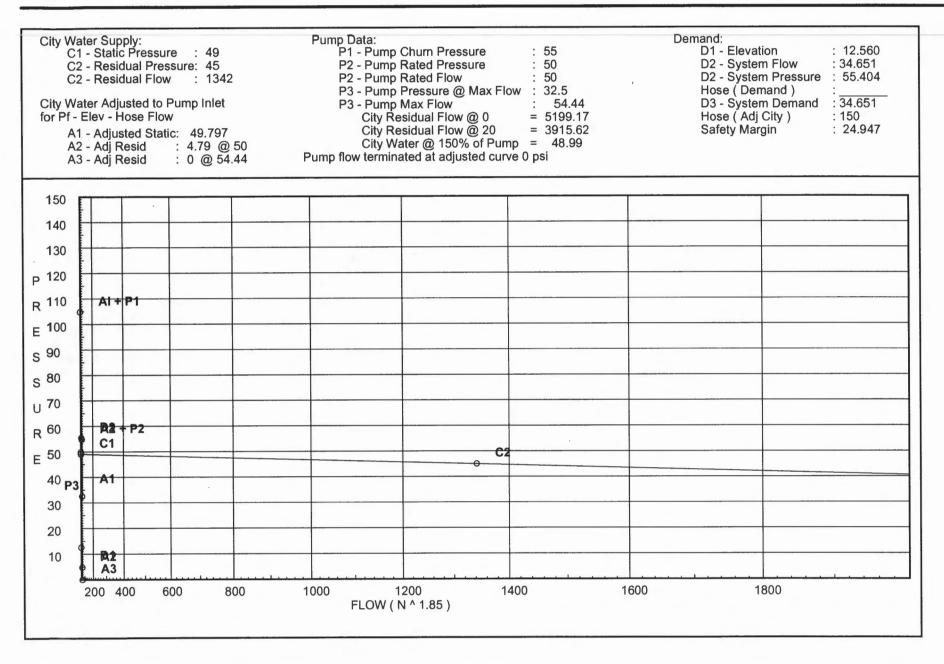
Maine Fire Protection Systems 6 Dowd Road Bangor, Maine 04401 (207) 942-8809

Job Name : 780 calc file

Building : Location : System : Contract :

Data File : 780 calc file AREA 1.wxf

Maine Fire Protection Systems 780 calc file



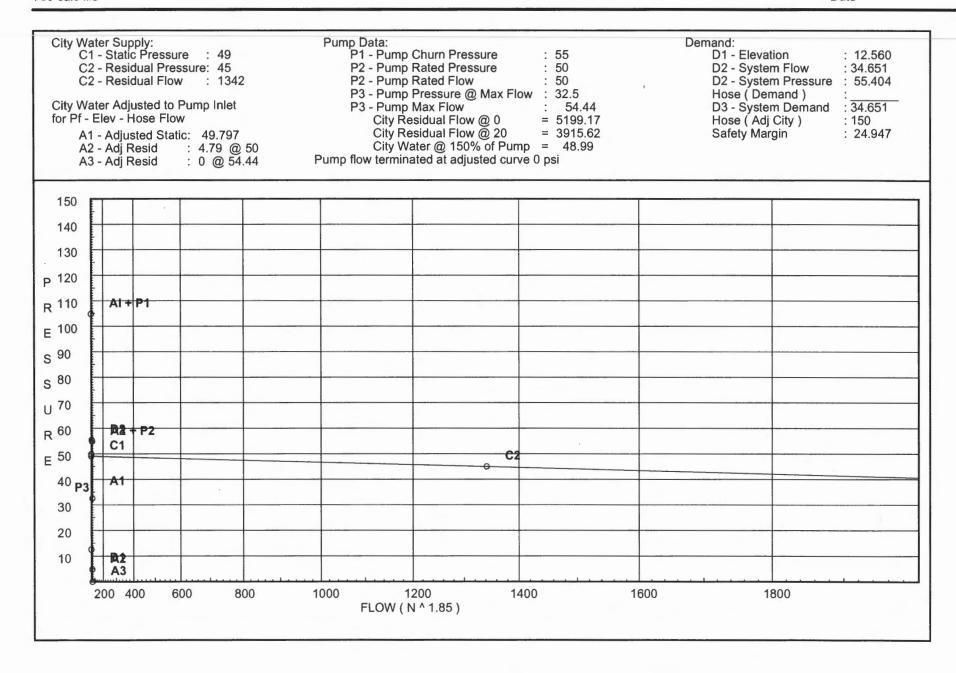
Maine Fire P	rotection	Systems
780 calc file		

Page 4 Date

780 calc file	е					Date	е
Hyd. Ref. Point	Qa Dia. "C" Qt Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes *****
1 to	17.33 1.049 120.0	2E 4.0 0.0	4.270 4.000	12.505 0.0		K Factor :	
2	17.33 0.0998	0.0	8.270	0.825		Vel = 6.4	13
2 to 3	17.32 1.049 120.0	1E 2.0 0.0	8.380 2.000	13.330 0.0		\/al = 40	96
3	34.65 0.3597 0.0 1.097	0.0	10.380 2.000	3.734 17.064		Vel = 12.	00
to	120.0	0.0	0.0	0.0		\/-l - 44	70
3F	34.65 0.2890 0.0 1.38	0.0 2E 6.0	2.000 12.000	0.578 17.642		Vel = 11.	76
to	120.0	0.0	6.000	7.363			
2F	34.65 0.0946	0.0	18.000	1.703		Vel = 7.4	13
2F to	0.0 1.38 120.0	3E 9.0 4T 24.0	12.000 33.000	26.708			
GF	34.65 0.0946	0.0	45.000	0.0 4.258		Vel = 7.4	13
GF	0.0 1.38	1E 3.0	12.000	30.966			
to BSMT	120.0	0.0	3.000 15.000	2.599			12
BSMT	34.65 0.0945 0.0 1.38	0.0 5E 15.0	44.080	1.418 34.983		Vel = 7.4	ю
to	120.0	2T 12.0	27.000	3.000		* * Fixed l	oss = 3
TOR	34.65 0.0946	1Fsp 0.0	71.080	6.725		Vel = 7.4	3
TOR	0.0 1.61	2E 8.0	8.000	44.708		* * Fixed !	
to PO	120.0 34.65 0.0446	1Zik 0.0 0.0	8.000 16.000	9.982 0.714		Vel = 5.4	_oss = 6.517 l6
	0.0						
System D	34.65 emand Pressure			55.404 55.404		K Factor =	- 4.00
Safety Ma				24.947			
	on Pressure			80.351			
	@ Pump Outlet From Pump Curve			80.351 -53.401			
	2 Pump Inlet			26.950			
PI	0.0 1.598	0.0	30.120	26.950			
to	150.0 34.65 0.0306	0.0 0.0	0.0 30.120	-0.433 0.923		Vel = 5.5	:A
4	0.0 0.785	1E 2.387	20.000	27.440		Vei - 5.0	-
to	150.0	0.0	2.386	0.0			
5	34.65 0.9769	0.0	22.386	21.869		Vel = 22.	97
5 to	0.0 12.34 120.0	0.0	750.000 0.0	49.309 0.0			
6	34.65 0.0	0.0	750.000	0.001		Vel = 0.0	9
6	0.0 6.16	1E 15.101	300.000	49.310			
to TEST	120.0	0.0	15.101	-0.433		Vel = 0.3	17
1531	34.65 0.0001 150.00	0.0	315.101	0.021		Qa = 150	
	184.65			48.898		K Factor =	
7	17.32 1.049	1T 5.0	3.320	12.500		K Factor =	= 4.90
to 2	120.0	0.0 0.0	5.000	0.0		Vel = 6.4	3
2	17.32 0.0998	0.0	8.320	0.830		vei = 6.4	

Final Calculations - Hazen-Williams

Maine Fire P 780 calc file	rotection	Systems	š				Pag Da		
Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fitting or Eqv. Ln.	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	法请询法法诉讼	Notes ****	**
	0.0 17.32				13.330		K Factor	= 4.74	



Pressure / Flow Summary - STANDARD

Maine Fire Protection Systems 780 calc file

Page 3 Date

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
1	31.0	4.9	12.5	na	17.33	0.1	96	12.5
2	31.0	7.5	13.33	na	17.00	0.1	00	
3	31.0		17.06	na				
3F	31.0		17.64	na				
2F	14.0		26.71	na				
GF	14.0		30.97	na				
BSMT	8.0		34.98	na				
TOR	8.0		44.71	na				
PO	0.0		55.4	na				
PI	0.0		26.95	na				
4	1.0		27.44	na				
5	1.0		49.31	na				
6	1.0		49.31	na				
TEST	2.0		48.9	na	150.0			
7	31.0	4.9	12.5	na	17.32	0.1	96	12.5

The maximum velocity is 22.97 and it occurs in the pipe between nodes 4 and 5 $\,$