

# PORTAND M



Approved with Conditions

Strengthening a Remarkable City, Building a Community for L Date:

10/20/14

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:

Digitally signed by Mark Radziszewski

DN: cn=Mark Radziszewski, o=Freedom Fire

Protection, ou, email=markrad@maine.rr.com, c=US

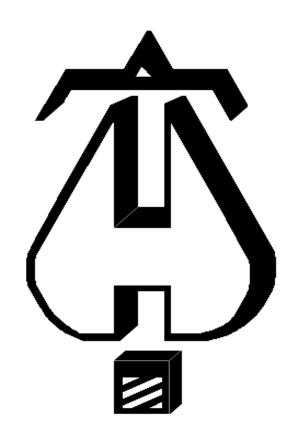
Date: 2014.08.18 08:12:38 -04'00'

I have provided digital copies and sent them on:

Date: August 18, 2014

Date: August 18, 2014

NOTE: All electronic paperwork must be delivered to <a href="mailto:buildinginspections@portlandmaine.gov">buildinginspections@portlandmaine.gov</a> or by physical means ie; a thumb drive or CD to the office.





Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: \_\_10/20/14

. . . Fire Protection by Computer Design

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

Job Name : RESIDENCE HOUSING
Building : 133 YORK STREET
Location : PORTLAND, MAINE 04101

System: #1 AREA#1

Contract

Data File : RESIDENCE HOUSING HC1.WXF

#### FREEDOM FIRE PROTECTION INC. **RESIDENCE HOUSING**

#### HYDRAULIC DESIGN INFORMATION SHEET

Reviewed for Code Compliance Inspections Division
Approved with Conditions

Name - RESIDENCE HOUSING Date - 8/5/14 Location - PORTLAND, MAINE 04101 Building - 133 YORK STREET Contractor -Calculated By - MIKE NOBLIT D
Construction: (X) Combustible ( ) Non-Combustible

System No. - #1 AREA#1 Contract No. -Drawing No. - FP-3

Date: \_10/20/14 Ceiling Height 8'-6"

	of Sprinklers Flowin		1 (X)NFPA 13R ()NFPA 13D 2 (X)4 ()	
	ific Ruling	Made	by Date	
Listad	Flow at Start Point	- 1/1 Crm	System Type	
Listed	Pres. at Start Point	t - 10.1 Psi	(X) Wet ( ) Dry	
			() Deluge () PreAction	
Domest	ic Flow Added	- Gpm	Sprinkler or Nozzle	
Additi	onal Flow Added	- 100 Gpm	Make TYCO Model FLII	
	ion of Himboot Outle	⊦ <b>-</b> 37 33E~~+	$V_{-}V_{-}V_{-}V_{-}V_{-}V_{-}V_{-}V_{-}$	
	ion at Highest Outle		Size 1/2" K-Factor 4.4	
Elevat Note:	ion at Highest Outle		Temperature Rating 155	
Note:			Temperature Rating 155	
Note:	Gpm Required 158. C-Factor Used:	421 Psi Requi	Temperature Rating 155	
Note: lculation mmary	Gpm Required 158. C-Factor Used:	421 Psi Requi Overhead	Temperature Rating 155  red 85.247 At Test	
Note: lculation mmary Water F	Gpm Required 158.	421 Psi Requi Overhead Pump Data:	Temperature Rating 155  red 85.247 At Test 150 Underground 140	
Note:  lculation mmary  Water F Date of Time of	Gpm Required 158. C-Factor Used: low Test: Test - 5/11/2013 Test -	Pump Data: Rated Cap.  Psi Requi	Temperature Rating 155  red 85.247 At Test 150 Underground 140  Tank or Reservoir:	
Note:  lculation mmary  Water F Date of Time of Static	Gpm Required 158. C-Factor Used: low Test: Test - 5/11/2013 Test - (Psi) - 108	Pump Data: Rated Cap. Psi Elev.	Temperature Rating 155  red 85.247 At Test 150 Underground 140  Tank or Reservoir: Cap. Elev.	
Note:  lculation mmary  Water F Date of Time of Static Residua	Gpm Required 158. C-Factor Used: low Test: Test - 5/11/2013 Test - (Psi) - 108 l (Psi) - 102	Pump Data: Rated Cap.  Psi Requi	Temperature Rating 155  red 85.247 At Test 150 Underground 140  Tank or Reservoir: Cap. Elev. Well	
Note:  lculation mmary  Water F Date of Time of Static Residua Flow (G	Gpm Required 158. C-Factor Used: low Test: Test - 5/11/2013 Test - (Psi) - 108 l (Psi) - 102 pm) - 1537	Pump Data: Rated Cap. Psi Elev.	Temperature Rating 155  red 85.247 At Test 150 Underground 140  Tank or Reservoir: Cap. Elev.	
Note:  lculation mmary  Water F Date of Time of Static Residua Flow (G	Gpm Required 158. C-Factor Used: low Test: Test - 5/11/2013 Test - (Psi) - 108 l (Psi) - 102 pm) - 1537 on20	Pump Data: Rated Cap. Psi Elev.	Temperature Rating 155  red 85.247 At Test 150 Underground 140  Tank or Reservoir: Cap. Elev. Well	

#### Water Supply Curve (C)

FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING



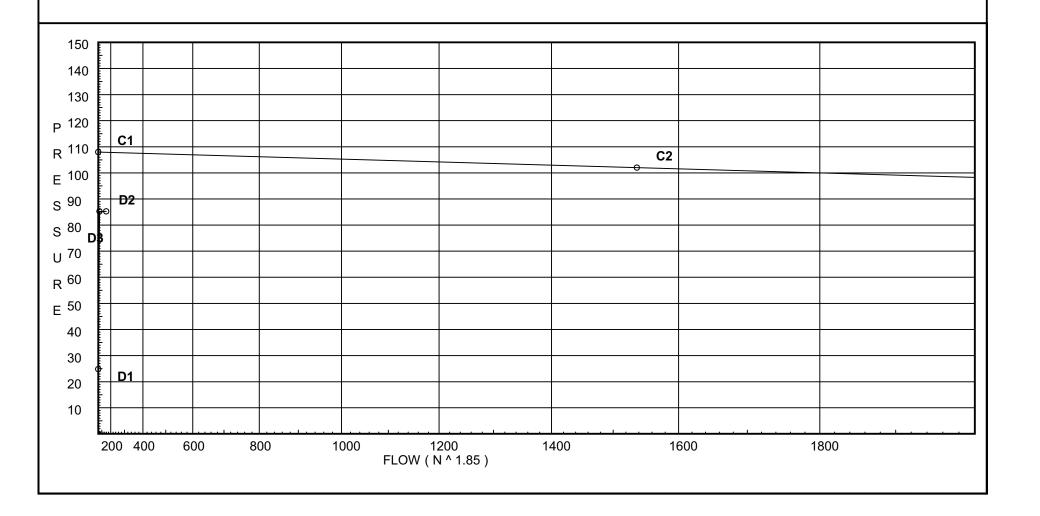
City Water Supply: C1 - Static Pressure : 108 C2 - Residual Pressure: 102 C2 - Residual Flow : 1537

Demand: D1 - El€

Inspections Division Approved with Conditions D2 - Sy:

D2 - Sy:

Hose ( / Date: 10/20/14
Hose ( I D3 - System Demand : 158.421
Safety Margin : 22.664



#### Fittings Used Summary

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

Fitting L	egend															
Abbrev.	Name	1/2	3/4	1	11/4	11/2	2	21/2	3	31/2	4	5	6	8	10	1.
B E T	Generic Butterfly Valve 90' Standard Elbow 90' Flow Thru Tee	0 2 3	0 2 4	0 2 5	0 3 6	0 4 8	0 5 10	7 6 12	10 7 15	0 8 17	12 10 20	9 12 25	10 14 30	12 18 35	19 22 50	2 2 6
Zac Ames 2000SS Fitting generates a Fixed Loss Based on Flow										00	Ü					



Reviewed for Code Compliance Inspections Division Approved with Conditions

21

Date: \_\_\_\_\_\_\_\_

### Pressure / Flow Summary - STANDARD

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	
101	37.33	4.4	12.73	na	15.7	0.05	Revie Ap
22	37.33	** *	13.38	na	10.1	0.00	ΛÞ
21	28.5		17.75	na			Date: 10/2
20	28.5		18.2	na			Date
19	28.5		18.67	na			
102	37.33	4.4	11.17	na	14.71	0.05	0.001
24	37.33		11.56	na			
23	28.5		15.87	na			
103	37.33	4.4	10.17	na	14.03	0.05	0.001
26	37.33		10.53	na			
25	28.5		14.8	na			
104	37.33	4.4	10.1	na	13.98	0.05	0.001
18	37.33		10.45	na			
17	28.5		14.72	na			
16	28.5		15.02	na			
15	28.5		15.3	na			
14	28.5		16.42	na			
13	28.5		19.52	na			
12	28.5		28.61	na			
11	28.5		33.22	na			
10	26.5		37.23	na			
9	26.5		47.64	na			
8	26.5		54.34	na			
7	6.166		65.54	na			
6	6.166		68.19	na			
5	6.166		68.2	na			
4	6.166		68.4	na			
3	0.0		76.46	na			
2	0.0		76.58	na			
1	0.0		76.58	na			
0	-20.0		85.24	na			
TEST	-20.0		85.25	na	100.0		



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Approved with Conditions										
Date:	10/20/14									
0.0	01	10.1								
0.0	01	10.1								
0.0	01	10.1								

The maximum velocity is 21.69 and it occurs in the pipe between nodes 11 and 10

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

14

13

12

11

10

9

8

7

6

4 3

2

1

16.424

19.518

28.610

33.220

37.228

47.638

54.335

65.540

68.191

68.200

68.402

76.458

76.578

76.580

85.244

17.16

TEST 85.247

14.70

15.70

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

100.00

42.72

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

58.42

158.42

14.40

19.69

19.69

21.69

21.69

21.69

8.44

8.44

5.13

5.13

3.44

1.42 4.1

0.16 12.34

0.16 12.34

0.16 12.34

1.101

1.101

1.101

1.049

1.049

1.049

1.682

1.682

2.157

2.157

2.635

11.166

8.830

5.500

2.000

9.083

4.660

20.330

23.000

0.330

1.000

6.166

100.000

300.000

250,000

600,000

1T

1E

1E

1T

2E

1E

1E

1E

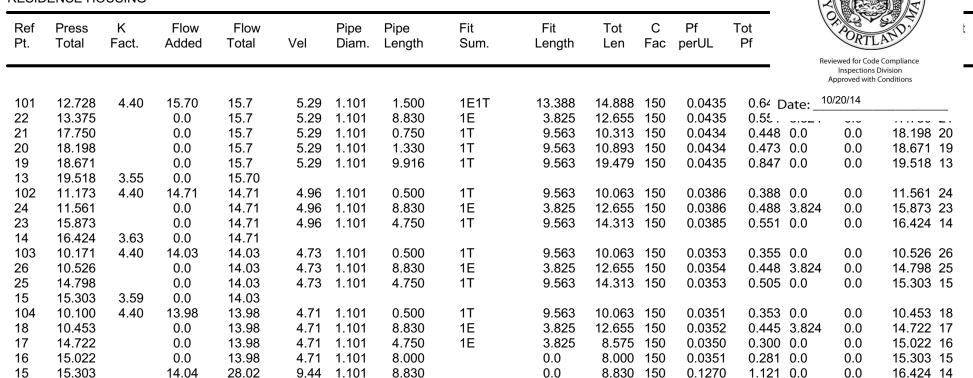
2E

1T

1T

1T

1Zac1B



0.0

9.563

3.825

3.022

7.555

6.044

4.95

4.95

0.0

6.153

9.61

93.767

93.767

11.166 150

18.393 150

9.325 150

5.022 150

16.638 150

10.704 150

25.280 120

27.950 120

0.330 120

7.153 120

15.776 120

393.767 140

343.767 140

29.067 129.067 140

93.767 693.767 140

0.2771

0.4943

0.4944

0.6256

0.6257

0.6257

0.0949

0.0948

0.0273

0.0282

0.0106

0.0009

0.0

0.0

0.0

3.094 0.0

9.092 0.0

4.610 0.0

10.410 0.0

6.697 0.0

2.651 0.0

0.009 0.0

0.202 0.0

0.120 0.0

0.002 0.0

0.003 0.0

0.168 2.670

0.002 8.662

3.142 0.866

2.398 8.807

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

0.0

5.218

19.518 13

28.610 12

33.220 11

37.228 10

47.638 9

54.335 8

65.540 7

68.191 6

68.200 5

68.402 4

76.458 3

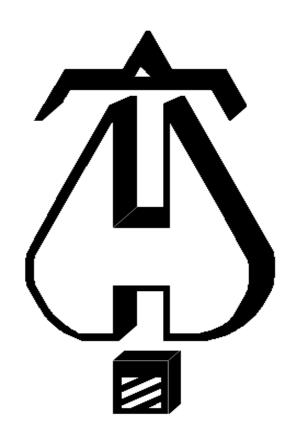
76.578 2

76.580 1

85.244 0

85.247 TEST







Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: \_\_10/20/14

. . . Fire Protection by Computer Design

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

Job Name : RESIDENCE HOUSING
Building : 133 YORK STREET
Location : PORTLAND, MAINE 04101

System: #1AREA#2

Contract

Data File : RESIDENCE HOUSING HC2.WXF

Name - RESIDENCE HOUSING

#### Hydraulic Design Information Sheet

Date - 8/5/1

Reviewed for Code Compliance Inspections Division
Approved with Conditions

Location - PORTLAND, MAINE 04101 Building - 133 YORK STREET Contractor -System No. - #1AREA#2 Contract No. Drawing No. - FP-2 Calculated By - MIKE NOBLIT

Date: \_\_10/20/14

Construction: (X) Combustible ( ) Non-Combustible Ceiling Height - 7'-2"

	13 ( ) Lt. Haz. 231 ( ) NFPA 231C			) 3 ( ) Ex.Haz. Curve	
Specific	Ruling	Ma	ade By	Date	
Density	Sprinkler Operation	15	System Type (X) Wet	Sprinkler/Nozzle Make TYCO	
	r Sprinkler on at Highest Outle	- 130 t - 6.166	( ) Dry ( ) Deluge	Model TY-FRB Size 1/2"	
Hose All	lowance - Inside		( ) Preaction	K-Factor 5.6	
	rinkler Allowance Lowance - Outside	- - 250	( ) Other	Temp.Rat.155	
11000 1111	towarree outbrac	250			
Note			Required - 83.4	19 At Test	
Note lculation	Flow Required - 45 C-Factor Used: 12	1.115 Press			
Note  lculation mmary  Water Flo	Flow Required - 45 C-Factor Used: 12 Dw Test:	1.115 Press	140 ta:	Underground Tank or Reservoir:	
Note   culation  mmary  Water Flo	Flow Required - 45 C-Factor Used: 12 Dw Test: Cest - 5/11/13	1.115 Press Downward Overhead Pump Da	140 ta:	Underground  Tank or Reservoir:	
Note    culation   mmary   Water Floor   Floor   Time of Table   Time	Flow Required - 45 C-Factor Used: 12 ow Test: Cest - 5/11/13	1.115 Press Downward	140 ta:	Underground Tank or Reservoir:	
Note  lculation mmary  Water Flo Date of Time of Time of Static Processing Static Pr	Flow Required - 45 C-Factor Used: 12 Dw Test: Cest - 5/11/13	1.115 Press 1 O Overhead Pump Dar Rated Cap.	140 ta:	Underground  Tank or Reservoir:	
Note    Culation   mary	Flow Required - 45 C-Factor Used: 12 Ow Test: Cest - 5/11/13 Cest - cess - 108 Press - 102 - 1537	1.115 Press 1 O Overhead Pump Da Rated Cap. @ Press	140 ta:	Underground  Tank or Reservoir: ap ev	
Note    Culation   mary   Water Floor   Time of Time of The Static Property   Residual	Flow Required - 45 C-Factor Used: 12 Ow Test: Cest - 5/11/13 Cest - cess - 108 Press - 102 - 1537	1.115 Press 1 O Overhead Pump Da Rated Cap. @ Press	140 ta:	Underground  Tank or Reservoir: ap ev Well	

#### Water Supply Curve (C)

FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

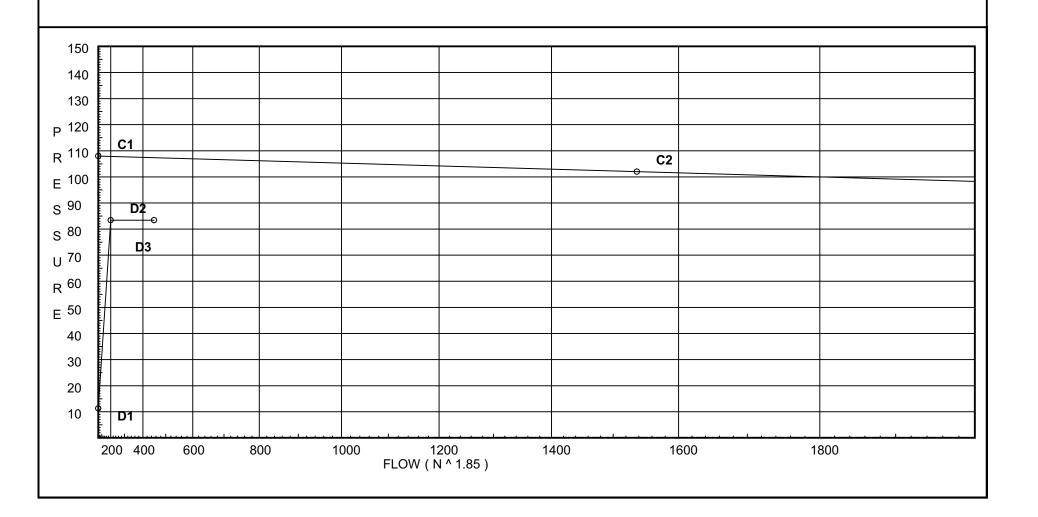


City Water Supply: C1 - Static Pressure : 108 C2 - Residual Pressure: 102 C2 - Residual Flow : 1537

Demand: D1 - El€

Inspections Division Approved with Conditions D2 - Sy:

D2 - Sy:



#### Fittings Used Summary

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

Fitting L	egend															
Abbrev.	Name	1/2	3/4	1	11/4	11/2	2	21/2	3	31/2	4	5	6	8	10	1.
B E T	Generic Butterfly Valve 90' Standard Elbow 90' Flow Thru Tee	0 2 3	0 2 4	0 2 5	0 3 6	0 4 8	0 5 10	7 6 12	10 7 15	0 8 17	12 10 20	9 12 25	10 14 30	12 18 35	19 22 50	2 2 6
Zac Ames 2000SS Fitting generates a Fixed Loss Based on Flow										00	Ü					



Reviewed for Code Compliance Inspections Division Approved with Conditions

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Date: \_\_\_\_\_\_\_\_

### Pressure / Flow Summary - STANDARD

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density
201	6.166	5.6	22.42	na	26.52	0.15
203	6.166	5.6	18.03	na	23.78	0.15
202	6.166	5.6	19.4	na	24.67	0.15
204	6.166	5.6	16.68	na	22.87	0.15
206	6.166	5.6	13.36	na	20.47	0.15
205	6.166	5.6	14.4	na	21.25	0.15
207	6.166	5.6	15.16	na	21.81	0.15
209	6.166	5.6	12.13	na	19.5	0.15
208	6.166	5.6	13.08	na	20.25	0.15
34	6.166		16.32	na		
33	6.166		17.95	na		
32	6.166		24.08	na		
31	6.166		47.2	na		
30	6.166		59.37	na		
5	6.166		64.69	na		
4	6.166		66.68	na		
3	0.0		73.51	na		
2	0.0		74.7	na		
1	0.0		74.71	na		
0	-20.0		83.39	na		
TEST	-20.0		83.42	na	250.0	



Reviewed for Code Compliance Inspections Division Approved with Conditions

Date:_	10/20/14		
130	)	7.0	
130	)	7.0	
130	)	7.0	
130	)	7.0	
130	)	7.0	

The maximum velocity is 31.7 and it occurs in the pipe between nodes 32 and 31

#### Final Calculations - One-Line

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING

0

83.390

49.39

TEST 83.420

0.0

250.00

201.12

451.12

0.54 12.34

600.000

1T

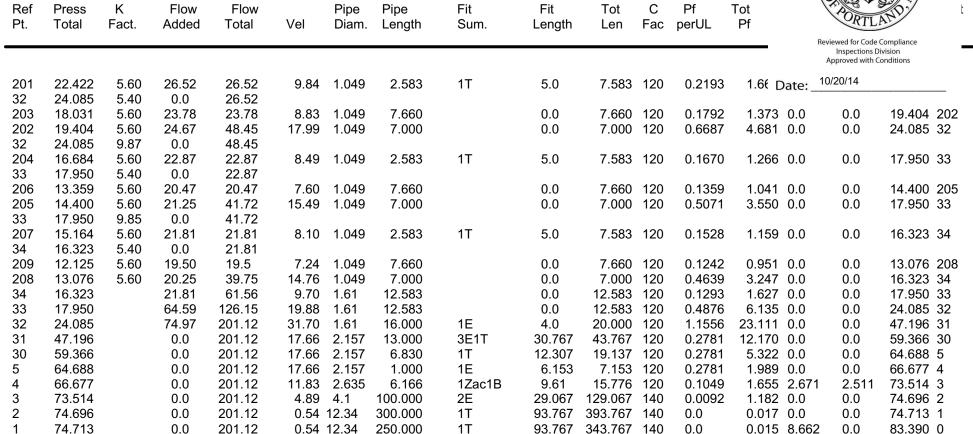
93.767 693.767 140

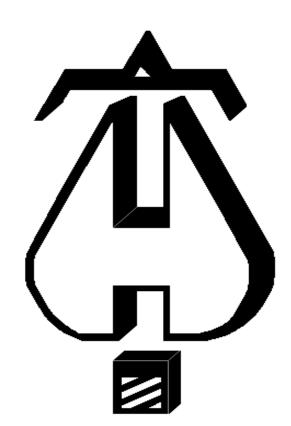
0.0

0.030 0.0

0.0

83.420 TEST







Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: \_\_10/20/14

. . . Fire Protection by Computer Design

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

Job Name : RESIDENCE HOUSING STANDPIPE

Building : 133 YORK STREET

Location : PORTLAND, MAINE 04101

System : STANDPIPE

Contract

Data File : RESIDENCE HOUSING HC3.WXF

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING STANDPIPE

#### HYDRAULIC DESIGN INFORMATION SHEET

Name - RESIDENCE HOUSING STANDPIPE Location - PORTLAND, MAINE 04101 Building - 133 YORK STREET Contractor -Calculated By - MIKE NOBLIT Occupancy - HOUSING \_\_\_\_ Date - 9/5/14

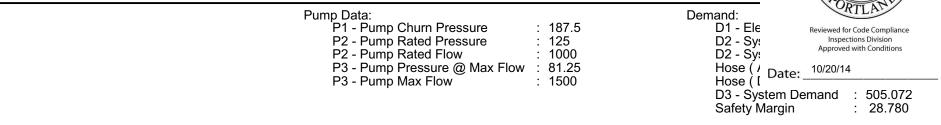
System No. - STANDPIPE Contract No. -Drawing No. - FP-2 Reviewed for Code Compliance

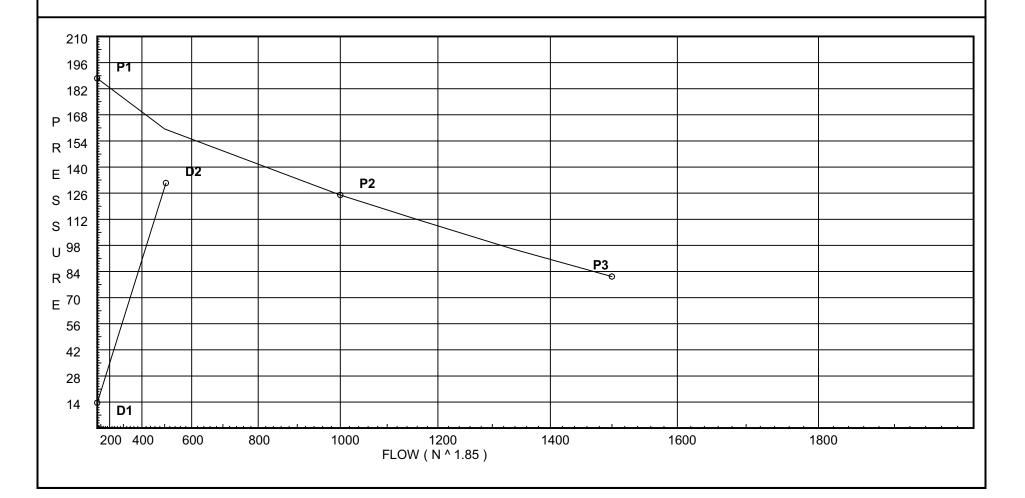
Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: \_\_10/20/14

```
S
                    Number of Standpipes (X)1 ()2 ()3 ()4 ()
    (X) NFPA 14
Υ
    ()Other
    ( ) Specific Ruling
S
                                            Made by
                                                                   Date
Τ
Ε
     Flow at Top Most Outlet
                                          - 250
                                                   Gpm
                                                                System Type
     Pres. at Top Most Outlet
Μ
                                          - 100
                                                   Psi
                                                           (X) Wet
                                                                          () Dry
     Flow For Ea. Additional Standpipe -
                                                   Gpm
D
     Total Additional Flow
                                                   Gpm
     Elevation at Highest Outlet - 37.916 Feet Hose Valve Connection ()1 1/2" (X)2 1/2"
Ε
S
Ι
     Class Service (X) I
                                 ( )II
                                         ()III
G
     Note:
Ν
               Gpm Required 505.072
                                        Psi Required 131.384 At Test
Calculation
                                        Overhead 120
               C-Factor Used:
Summary
                                                                 Underground
W
    Water Flow Test:
                                    Pump Data:
                                                            Tank or Reservoir:
    Date of Test
Α
                                                           Cap.
Т
    Time of Test
                                    Rated Cap. 1000
                                                         Elev.
Ε
    Static (Psi)
                                    @ Psi
                                                125
R
    Residual (Psi) -
                                   Elev.
                                                                 Well
    Flow (Gpm)
                                                           Proof Flow Gpm
S
    Elevation
U
Р
    Location:
Ρ
    Source of Information: FIRE TRUCK PUMP
\mathbf{L}
```







#### Fittings Used Summary

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING STANDPIPE

	21102 110001110 01711101																/				
Fitting L Abbrev		1/2	3/4	1	11/4	1½	2	2½	3	3½	4	5	6	8	10	1		POR POR	TLAN		1
E	90' Standard Elbow	2	2	2	3	4	5	6	7	8	10	12	14	18	22	2	f		Code Compli ions Division with Condition		1
F	45' Elbow	1	1	1	1	2	2	3	3	3	4	5	7	9	11	1					3
G	Generic Gate Valve	0	0	0	0	0	1	1	1	1	2	2	3	4	5	6 D	ate:	10/20/14			3
S	Generic Swing Check VIv	4	5	5	7	9	11	14	16	19	22	27	32	45	55	6	u.c				30
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. RESIDENCE HOUSING STANDPIPE

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density
HV2 HV1 44 43 42 41 PUMP	23.166 31.416 31.416 23.166 6.166 6.166 0.0	25 25	104.1 100.0 100.32 104.43 114.2 119.36 131.38	na na na na na na	255.07 250.0	0.001 0.001



Reviewed for Code Compliance Inspections Division Approved with Conditions

Date: \_\_\_\_\_10/20/14

The maximum velocity is 17.09 and it occurs in the pipe between nodes HV2 and 43

#### Final Calculations - One-Line

### FREEDOM FIRE PROTECTION INC. RESIDENCE HOUSING STANDPIPE

41 119.358 PUMP131.384 44.06 0.0

0.0

505.07

505.07

Ref Pt.	Press Total	K Fact.	Flow Added	Flow Total	Vel	Pipe Diam.	Pipe Length	Fit Sum.	Fit Length	Tot Len	C Fac	Pf perUL	Tot Pf	OF POR	TLAND.	t
														Inspectio	Code Compliance ons Division vith Conditions	_
HV2 43	104.099 104.434	25.00 24.96	255.07 0.0	255.07 255.07	17.09	2.469	0.500	1G	1.0	1.500	120	0.2233	0.33 Date	:10/20/14		
HV1	100.000	25.00	250.00	250.0	16.75	2.469	0.500	1G	1.0	1.500	120	0.2153	0.323 0.0	0.0	100.323 44	
44	100.323		0.0	250.0	5.63	4.26	9.250	1T	26.334	35.584	120	0.0151	0.538 3.5	573 0.0	104.434 43	
43	104.434		255.07	505.07	11.37	4.26	17.000	1T	26.334	43.334	120	0.0555	2.407 7.3	363 0.0	114.204 42	
42	114.204		0.0	505.07	11.37	4.26	24.330	3E1S	68.469	92.799	120	0.0555	5.154 0.0	0.0	119.358 41	

1E1F

18.434 168.434 120

0.0555

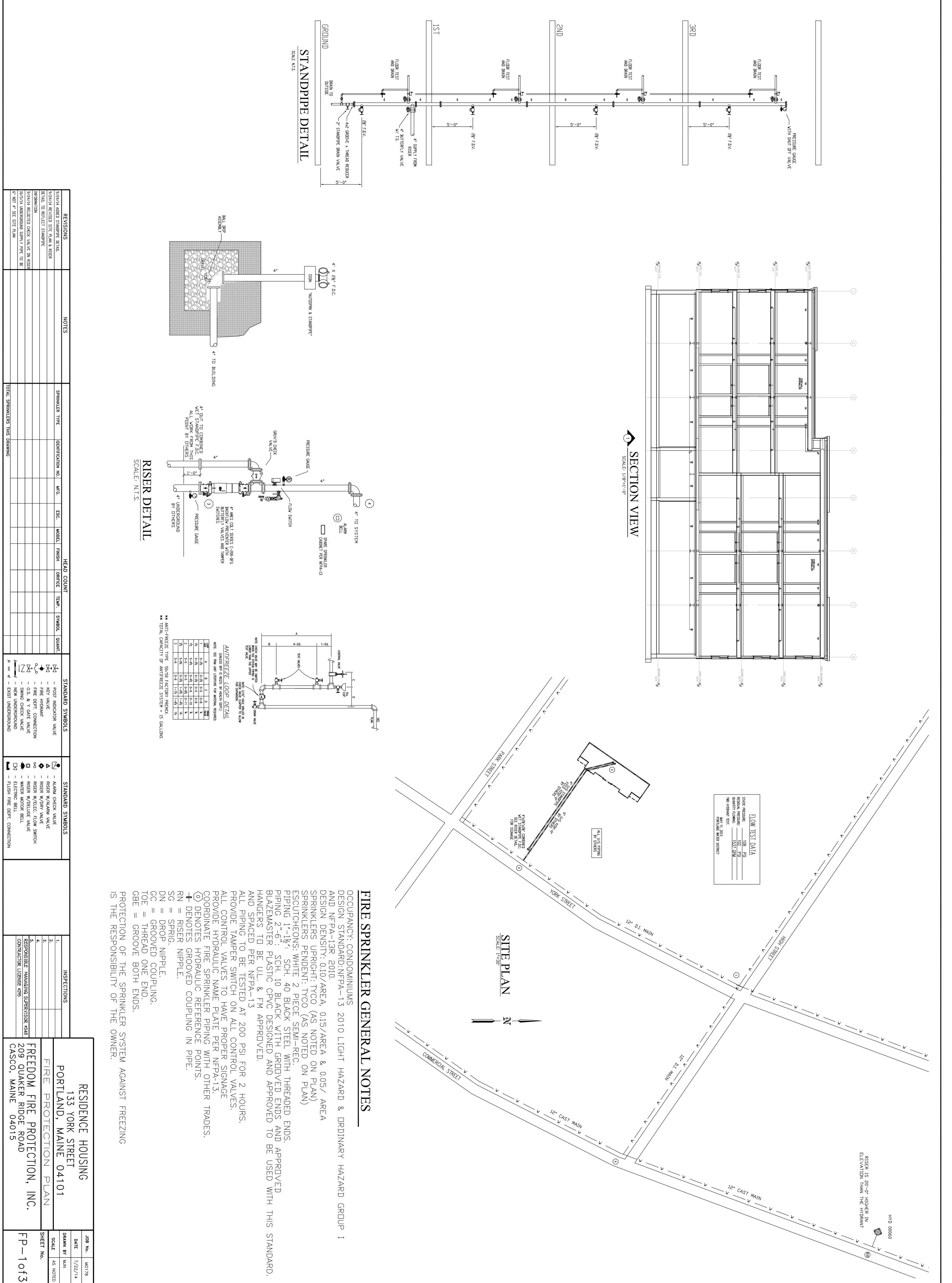
9.356 2.670

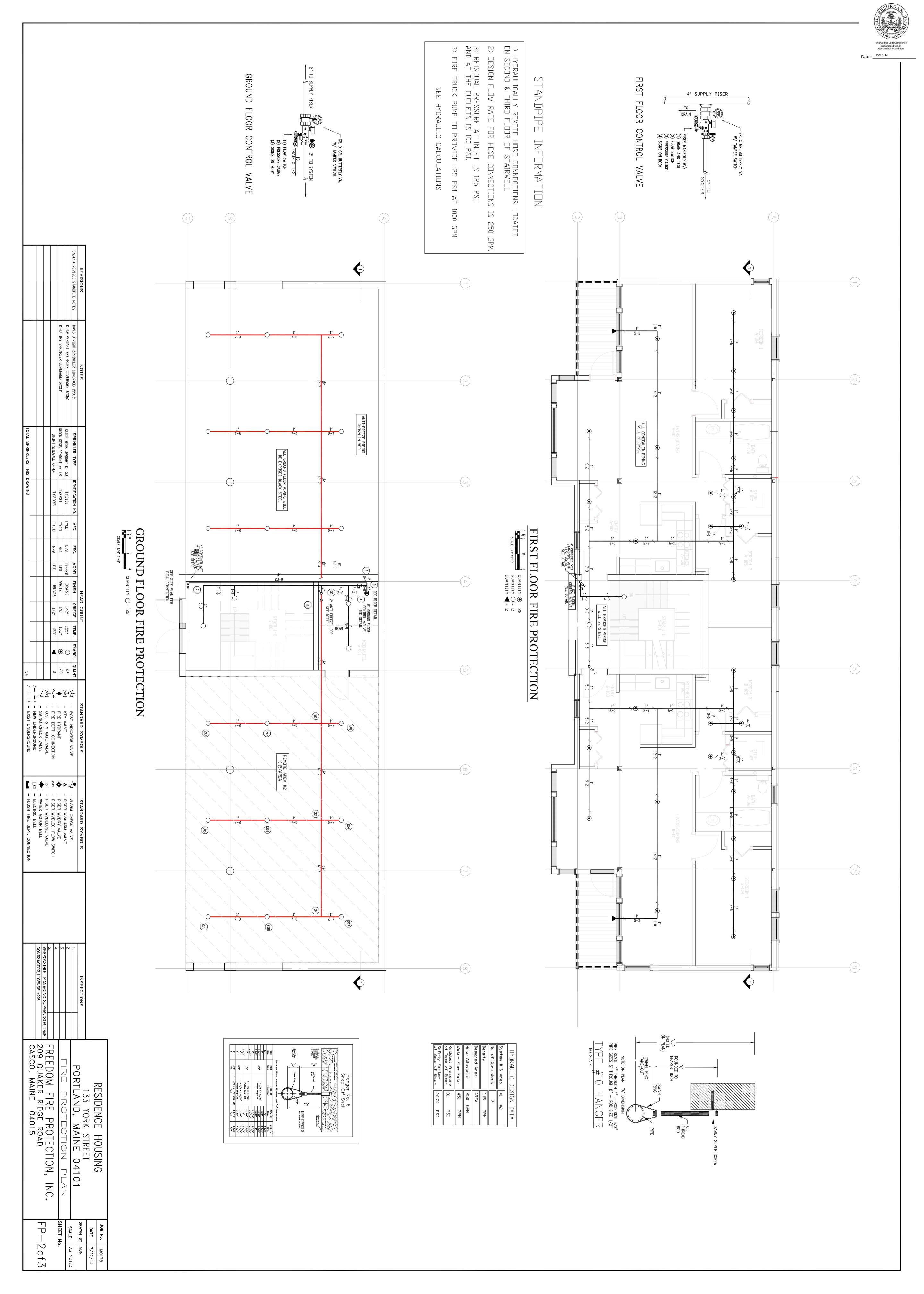
0.0

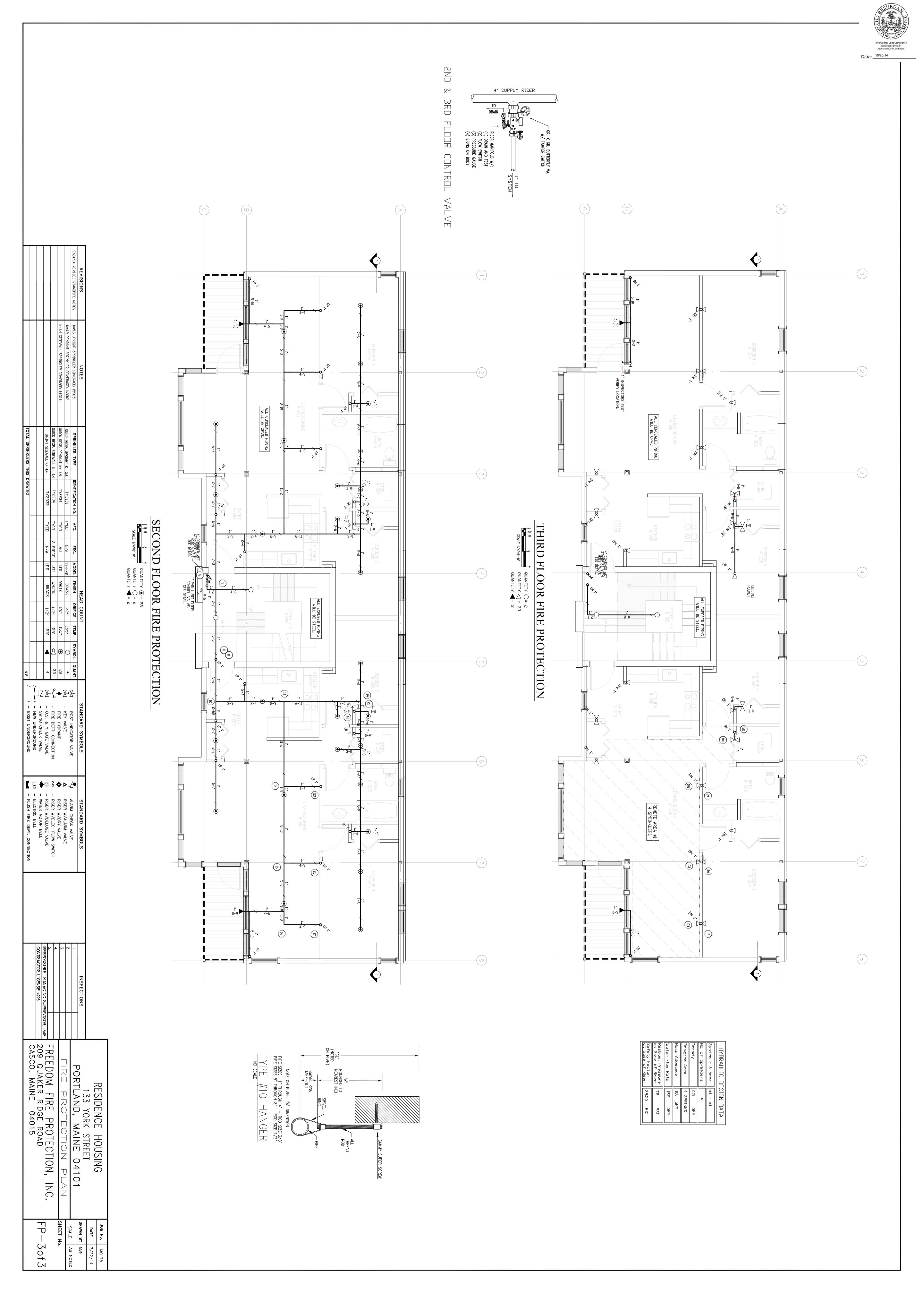
131.384 PUMP

11.37 4.26 150.000











### State of Maine Department of Public Safety

### Fire Sprinkler System Permit



Inspections Division Approved with Conditions

10/20/14 Date:

11212

#### RESIDENCE HOUSING

133 YORK STREET Located at:

In the Town of: Portland Occupancy/Use: HOUSING Type of System: NFPA 13

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 # 2141295, 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, o other pertinent legal restrictions. This permit shall be displayed at the construction site or be made readily available.

This permit was issued on

RMS for this job: Vess Timothy L.

8/6/2014

for a fee paid of \$123.00

This permit will expire at midnight on

Monday, February 02, 2015

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

olm & monio

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 dat	te of
RMS Signature:	
KWS Signature:	



## Water-Based Fire Suppression System Permit Application



If you or the property owner owes real estate or personal property taxes or user within the City, payment arrangements must be made before permits of ar

Reviewed for Code Compliance Inspections Division Approved with Conditions

Address/Location of Construction:	133 York Street, Portland Maine	Date:
Total Square Footage of Proposed Stru		
Tax Assessor's Chart, Block & Lot Chart# Block# Lot#  44 - A - 29	Applicant Name: Freedom Fire Protection, Inc. Address 209 Quaker Ridge Road Casco, Maine 04015 City, State & Zip	Telephone: 207-627-4109 Email: markrad@maine.rr.cp
Lessee/Owner Name: (if different than applicant) 133 York, LLC Address: 110 Marginal Way Suite 292 City, State & Zip: Portland, Maine 04101	Contractor Name: (if different from Applicant) Address: P.O. Box 1508 Windham, Me 04062 City, State & Zip:	Cost Of Work:  \$\frac{36,683.00}{\text{Fees: first \$1000 = \$30 fee + \$10 for every other \$1000 of }}
Telephone & E-mail: 207-807-9218 jbenn617@gmail.com	Telephone & E-mail: 207-831-3582 jarodrobie@hotmail.com	Cost of work  Total Fees:
Current use (i.e. single family) NA If vacant, what was the previous use? _ Proposed Specific use: Housing Is property part of a subdivision? No If y Project description: New 3 story Apartment Building with	ves, please name	
Who should we contact when the permit is	ready: Mark Radziszewski	
Address: 209 Quaker Ridge Road		
City, State & Zip: Casco, Maine 04015 E-mail Address: markrad@maine.rr.c		
	OITI	
Telephone: 207-627-4109		

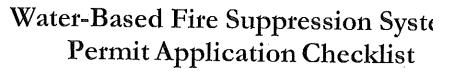
Please submit all of the information outlined on the applicable checklist. Failure to do so causes an automatic permit denial.

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 <a href="https://www.portlandmaine.gov">www.portlandmaine.gov</a>, 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.

 Digitally signed by Mark Radzisżewski				
DN: cn=Mark Radziszewski, o=Freedom Fire Protection, ou, email=markrad@maine.rr.com/c=US	Date:	August 18, 2014	V	
Date: 2014.08.18 08:11:58 -04'00'				







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 Date: application package will ensure your package is complete and will help to expedite the permitting process. Complete and submit the following for all systems: Vectored pdf plans and documents included (same as submitted to the State Fire Marshal where applic)\* Sprinkler installation costs: \$36,683.00 State Sprinkler license number: 295 State Sprinkler Permit / log number: 11212 Life Safety Code Occupancy Classification: NFPA 13 Is this new work or a renovation to an existing system? New Will the system be a combination sprinkler and standpipe system? No The water supply is: 

Municipal 

Pump and tank 

Other: Municipal A copy of the state sprinkler permit with RMS sign off is required prior to the final inspection Design complies with City Code Ch. 10 and Fire Department Regulations Ch 6: Yes The following checks lists are to be completed as applicable: NFPA 13D sprinkler check list (Rooming and Lodging & Small Residential Board and Care only) Is this check list applicable? No What edition of NFPA 13D is the designed to? Is the building part of a mixed occupancy? Will all habitable areas and closets be sprinklered? Will the entrance foyers be sprinklered? Is this a multipurpose piping system? Does the system use pex piping? Will the water supply meet the requirements for a two-family dwelling? Will water flow activate the fire alarm system? Will the valves be electrically supervised? A city plumbing permit has been pulled:



### NFPA 13R sprinkler check list

	Is this check list applicable? No		ORTLAND
	What edition of NFPA 13R is the designed to?		Reviewed for Code Complian Inspections Division Approved with Conditions
	Building construction type:	Date: _	10/20/14
	Will the sprinkler system provide complete or partial coverage of the building?		
	Will covered exterior balconies, decks and ground floor patios be sprinklered?		
	Size of riser assembly:		
	Fire department connection- number of 2 ½" inlets:		
	Electrical supervision will be provided via the fire alarm system per NFPA 101:9.7	.2:	
	Is the nearest fire hydrant within 100 ft. of the FDC?		
	The completed Contractor's Material and Test Certificate for Aboveground Piping the completion of the job?	shall b	e provided at
N	FPA 13 sprinkler check list		
	Is this check list applicable? Yes		
	What edition of NFPA 13 is the designed to? 2010		
	Building construction type: Wood		
	Will the sprinkler system provide complete or partial coverage of the building? Cor	mplete	
	System type (See NFPA 13:3.4): Wet & Antifreeze (Garage)		
-	NFPA 13 Occupancy Classification (Hazard): Light		
	Is the structure high-rise (see NFPA 101:3.3.32.7)? No		
	Size of riser assembly: 2 1/2"		
	Fire department connection- number of 2 ½" inlets: 1		
	Electrical supervision will be provided via the fire alarm system per NFPA 101:9.7.	2: Yes	3
	Is the nearest fire hydrant within 100 ft. of the FDC? Unknown		
	The completed Contractor's Material and Test Certificate for Aboveground Piping the completion of the job? Yes	shall b	e provided at
NI	FPA 14 standpipe check list		
	Is this check list applicable? No		
	What edition of NFPA 14 is the designed to?		

What class of standpipe is this?	
Is the system automatic or manual?	PORTLAN
Is the system wet or dry (see NFPA 14:5.4.1.4)?	Reviewed for Code Compl Inspections Division Approved with Conditio
Is the structure high-rise (see NFPA 101:3.3.32.7)?	Date:
What is the minimum residual pressure for the most remote hose con 7.8.2)?	
What is the maximum static pressure at hose connections (see NFPA	A 14:7.8.3)?
Are floor control valve assemblies provided (see NFPA 14:6.3.5)?	
Number of standpipes (see NFPA 14:3.3.11):	
Minimum required flow rate (see NFPA 14:7.10):	
Fire department connection- number of 2 ½" inlets (see NFPA 14:7.	
What is the pressure required at the FDC inlets to deliver the system	
Is the nearest fire hydrant within 100 ft. of the FDC (see NFPA 14:6	.4.5.4)?
The completed <i>Standpipe Contractor's Material and Test Certificate Undergrounding Piping</i> as applicable shall be provided at the compatible 14:11.1.3):	e for Aboveground Piping and letion of the job (see NFPA
NFPA 20 fire pump check list (not required for NFPA 13D systems	)
Is this check list applicable? No	•
What edition of NFPA 20 is the designed to?	
What is the water source?	
Is the pump and associated equipment listed for fire service?	
What is the minimum required flow rate?	
What is the pump driver type?	
Is the pump design less than 7 hp?	
If less than 7 hp does the pump have a general listing and has its use Marshal's Office?	been approved by the State Fire
Will the equipment be protected in accordance with NFPA 14:5.12?	
Is the pump installed at least 50 ft. from the protected premises?	
If not what is the fire resistance senaration provided (see NEDA 14.5	

### NFPA 24 p

provided at the completion of the job?

FPA 24 private fire mains and hydrants check list		
Is this check list applicable? No		ORTLAND
All information shall be provided per NFPA 24:4.1.3 prior to construction?		Reviewed for Code Compliance Inspections Division Approved with Conditions
Design/installation shall comply with City Code Ch. 10 and Fire Department Regi	Date:	10/20/14
What is the minimum fire main size serving a fire hydrant?		
What is the minimum fire main size not serving a fire hydrant?		
What is the minimum fire flow available from the water supply?		
If the water supply is stored water, what is the quantity available?		
The completed Contractor's Material and Test Certificate for Underground Piping the completion of the job?	; shall	be provided at
The completed City of Portland Test and Maintenance Report and Hydrant Flow To	'est Re <sub>l</sub>	oort shall be

\* See Applicant Submittal Requirements for Electronic Plan Review.

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

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.

This is not a Permit; you may not commence any work until the Permit is issued.