City of Portland, Maine - Build	ding or Use Permit Application	on Permit No:	Issue Date:	CBL: 4 0 - 61 - 0
389 Congress Street, 04101 Tel: (2	207) 874-8703, Fax: (207) 874-87	16 2012-65580		010 G002001
Location of Construction:	Owner Name:	Owner Address:	saourn gaustinius eriosit Arizando sure kindadurra materiale Almian Allefanni Perbeniti et Al	Phone:
56 HAMMOND ST	HAMMOND APARTMENTS LLC	PO BOX 1398		
lusiness Name:	Contractor Name:	Contractor Address:		Phone
	Sprinkler System, Inc	P.O. Box 1285 Lew	iston	(207) 782-0104
Lessee/Buyer's Name	Phone:	Permit Type:		Zone:
		Fire Alarm System		R6
	Proposed Use:		ost of Work:	CEO District:
two lots - each lot has a 3 residential DUs on it after the split	Same: three residential dwelling units on each lot	\$50.00 FIRE DEPT: 5/10	\$3,000.00 INSPECTI	l l
residentian DOS on it after the spin	units on each lot	FIRE DEPT:	Approved Use Group	
			Denied	-7,54.
		1/1/13	√A.	
Proposed Project Description:		- ' '		
Install water based fire suppression sy	stem for building A & B (10-G-2	mature: BVa Jam	(58) Signature:	
3)	`	NACTIVI	TIES DISTRICT (P.A.	D.)
~		# &d	Approved w/Cor	ditions Denied
		54		
			Da	te:
•	plied For: /2012	ing A	approval	
	Enaci	Zoning .	Appeal	Historic Preservation
 This permit application does not p Applicant(s) from meeting applications Federal Rules. 	preclude the	J Variance		Not in District or Landmark
 Building permits do not include p septic or electrical work. 	olumbing,	Miscellane	ous	Does Not Require Review
Building permits are void if work within six (6) months of the date of		Conditiona	ıl Use	Requires Review
False information may invalidate permit and stop all work	a building	Interpretati	ion	Approved
	☐ Site Plan	Approved		Approved w/Conditions
	Maj Minor M	M Denied		Denied
	60 17/17/	Date:	Date:	and the second second
	Date: (1/15/1	J C Bate.	j Date.	
	enta entre entre en	PION		
	CERTIFICAT		authorized by the eve	nor of record and that
I hereby certify that I am the owner of I have been authorized by the owner to urisdiction. In addition, if a permit fo	make this application as his authorize work described in the application is	zed agent and I agree to sissued, I certify that the	conform to all appl e code official's autl	icable laws of this norized representative
shall have the authority to enter all areasuch permit.	as covered by such permit at any reas	sonable hour to enforce	the provision of the	e code(s) applicable to

ADDRESS

DATE

PHONE

SIGNATURE OF APPLICANT

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT



This is to certify that

HAMMOND APARTMENTS LLC /Sprinkler System, Inc

Located at

56 HAMMOND ST

PERMIT ID: 2012-65580

CBL: 010 G002001

has permission to install supervised NFPA 13R sprinkler systems for building A & B (10-G-2 & 3) 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

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

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 - Buil 389 Congress Street, 04101 Tel: (2	0	Permit No: 201265580	Date Applied For: 12/11/2012	CBL: 010 G002001						
Location of Construction:	Owner Name:		wner Address:	Phone:						
56 HAMMOND ST	HAMMOND APARTI	MENTS LLC I	1							
Business Name:	Contractor Name:	C	ontractor Address:		Phone					
	Sprinkler System, Inc	I	P.O. Box 1285 Lev	viston	(207) 782-0104					
Lessee/Buyer's Name	Phone:	P	ermit Type:	C 455 - 114						
			Fire Suppression System							
Proposed Use:		Proposed	Project Description:							
Same: three residential dwelling units	on each lot	install s (10-G-2		3R sprinkler systems	s for building A & B					
Dept: Zoning Status: A Note:	pproved	Reviewer:	Marge Schmucka		te: 12/13/2012 Ok to Issue: ✓					
Dept: Fire Status: A Note: 1) All control, drain, and test connect	pproved w/Conditions		Ben Wallace Jr		Ok to Issue: 🗹					
identification signs secured with c				w. o .p. 001 o .w. 01 1.2	2-m b-mar-r					
2) A 4100 series Knox Box is requir	ed. A hinged 3200 serie	s Knox Box may	be installed if the	building is master ke	yed.					
3) The entire sprinkler system shall be Water-Based Fire Protection System		nce with NFPA 2	25, Standard for Ins	spection, Testing and	Maintenance of					
4) System acceptance and commission Department. Call 874-8703 to scl	_	ed with alarm and	suppression system	m contractors and the	e Fire					
5) Fire department connection shall l	oe one 2 ½" for each bui	lding.								
6) Sprinkler protection shall be main checked at the end of each day to	_			ce or repair, the syste	m shall be					
7) A separate fire alarm permit is rec	uired for each building.									
8) A sprinkler supervisory system shall be provided for each building in accordance with NFPA 101, Life Safety Code, and NFPA 72, National Fire Alarm and Signaling Code. Sprinkler supervisory systems shall monitor for water flow and sprinkler supervisory signals via an approved fire alarm panel to central station. One smoke detector shall be located over the panel, a manual pull station located at the front door, and an audible water flow alarm provided.										
9) Installation shall be in accordance the State Sprinkler permit(s) with Piping (NFPA 13R figure 10.1.2)	RMS date and signature	and the Contract	or's Material and	NFPA 13R as publis Fest Certificates for A	hed. A copy of Aboveground					
Dept: DRC Status:		Reviewer:		Approval Da	te:					
Note:					Ok to Issue: 🗆					



Water-Based Fire Suppression System Permit

If you or the property owner owes real estate or proper within the city, payment arrangements must be made	
within the city, payment arrangements must be made to	N & W
Installation address: 56 Hammond Street	CBL: 10 - G - Z 10 - G
Exact location: (within structure) Building "A" & "B"	
Type of occupancy(s) (NFPA & ICC): Residential - 3 Unit Ap	partment Buildings
Building owner: BH Milliken, 175 Anderson Street, Port	
	License No: 278
	E-mail: scottg@sprinklersystemsinc.com
Installing contractor: Sprinkler Systems Inc.	
207 722 2424	E-mail:
	vation: Addition to existing system:
	Permit no:
NFPA Standard this system is designed to: NFPA #13-R	Edition: 2010
*Non-NFPA systems are not approved for use within the City of Portland.	COST OF WORK: \$3,000.00
Download a new copy of this document from	PERMIT FEE: \$50.00
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 <u>addition</u> to	DEC 1 1 2012 RECEIVED
full sized plans.	Sols Mous
Contractor shall verify location and type of all FDCs shall	DEC Mapeline
be approved in writing by the Fire Prevention Bureau.	DEC 1 1 2012
Submit all information to the Building Inspections Department, 389 Cor	P. Chri
Prior to acceptance of any fire protection system, a complete commis	sioning and acceptance test must be coordinated with
all fire system contractors and the Fire Department, and proper docur	mentation of such test(s) provided.
All installation(s) must comply with NFPA and the Fire Department	
•	* _ 12_7_2012
Applicant signature:	Date: 12-7-2012

Lawisann MF MARS 1985

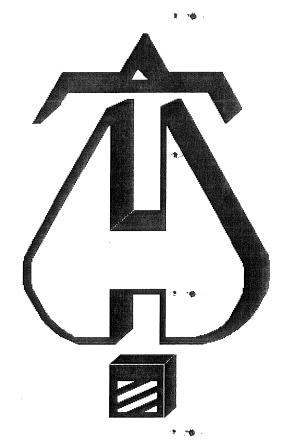
Morgans In Leiter of Trenentite

11-28-12

JOB #

12085

L.,		בוניים לחר		Code E	ntorce ment				
TO	D: City Code E Room 3 Portland	of P Enforce SIS CIL d, ME	ortland cement y Hall Oylol	RE: Hammond Apts. Bldg. A&B 56 Hammond Street Portland, ME 04104					
WE ARE SE	ENDING YO	OU: Atta	ched 🔲 Under separa	te cover via	the following items:				
Shop dra	wings [] Prints			_				
Copy of l	letter 🗌] Change	e order Signed Contracts	Myd- Calcs. City of Portland Pr Permit Check	State of ME Permit.				
COPIES	DATE	NO.		DESCRIPTION					
1 each	11-20-12	1-4094	Sprinkler Shop D	rawings					
1 each	11-20-12	7pg.							
1 each	11-20-12	1-4 cf4	'		iov.				
1 each	12-3-12	10372		perinkler permit					
l each	1-12-12	-	Flow test Map						
+	12-7-12		Portland Sprinkle	er Dermit App.					
l each	12-5-12	29026	\$ 5000 Permit Chec	k					
HESE ARE	TRANSMI	TTED as	checked below:						
ĬF	for your appro	oval	Approved as submitte	d Resubmit	copies for approval				
∀ F	or your use		Approved as noted	Submit	copies for distribution				
EMARKS:									
Please	return	۱ م	sprinkler permit						
	10.0.								
				······································	_				
					Thank You				
					Ryan Ovellette				
				ava. — /	1 0 1.11				
				SIGNED:	u Oullt				
			' ·	,	Project Designer				



. . . Fire Protection by Computer Design

Sprinkler Systems Inc. 2-4 Avon Street P O Box 1285 Lewiston, Maine 04240 207-782-0104

Job Name : 56 HAMMOND STREET

Building : A & B (IDENTICAL BUILDINGS)

Location : 56 HAMMOND STREET, PORTLAND, ME 04104

System: 1 OF 1 Contract: 12085

Data File : 1208556HAMMONDSTREETA1.WXF

2 .*

HYDRAULIC DESIGN INFORMATION SHEET

```
Name - 56 HAMMOND STREET
                                                             Date - 11-20-2012
Location - 56 HAMMOND STREET, PORTLAND, ME 04104
                                                    System No. - 1 OF 1
Building - A & B (IDENTICAL BUILDINGS)
                                                    Contract No. - 12085
Contractor - BH MILLIKEN
Calculated By - SCOTT E. GARLAND
                                                    Drawing No. - 1,2 OF 2
Construction: (X) Combustible ( ) Non-Combustible
                                                       Ceiling Height VARIES
OCCUPANCY - RESIDENTIAL - 3 UNIT APARTMENT BLDG
S
    Type of Calculation: ( )NFPA 13 Residential (X)NFPA 13R ( )NFPA 13D
    Number of Sprinklers Flowing: ()1 ()2 (X44 ()
Υ
S
    ()Other
Τ
    ( ) Specific Ruling
                                          Made by
                                                               Date
E
     Listed Flow at Start Point - 17.0 Gpm
                                                            System Type
M
     Listed Pres. at Start Point - 12.0 Psi
                                                                ( ) Dry
                                                   (X) Wet
     MAXIMUM LISTED SPACING 18 x 18
                                                  ( ) Deluge
                                                                ( ) PreAction
D
     Domestic Flow Added
                                        Gpm
                                                  Sprinkler or Nozzle
Ε
     Additional Flow Added
                                              Make RELIABLE
                                                             Model F1RES49
S
                                        Gpm
     Elevation at Highest Outlet - 58.542Feet Size 1/2 X 1/2 K-Factor 4.9
Ι
G
                                              Temperature Rating 155 DEG
Ν
     DESIGN AREA #1 - 3RD FLOOR BEDROOM/STAIR/LIVING
Calculation
              Gpm Required 68.701
                                    Psi Required 69.754
                                                          AT BASE OF RISER
Summary
              C-Factor Used:
                                     Overhead 150
                                                            Underground 140
W
    Water Flow Test:
                                  Pump Data:
                                                         Tank or Reservoir:
Α
    Date of Test - 8-30-2005
                                 Rated Cap.
                                                       Cap.
                                                 Elev.
Т
    Time of Test
                                 @ Psi
                  - 106
Ε
    Static (Psi)
                                 Elev.
    Residual (Psi) - 89
R
                                 Other
                                                             Well
    Flow (Gpm)
                   - 2418
                                                       Proof Flow Gpm
S
    Elevation
                   - 10.7
    Location: ON ANDERSON STREET, APPROXIMATELY 625'-0" FROM THE BUILDING
\overline{P}
Р
L
    Source of Information: PORTLAND WATER DISTRICT
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1 7

Fittings Used Summary

Sprinkler Systems Inc.
56 HAMMOND STREET

	MMOND STREET																	Pa Da	ge 3	3 11-20-12	2	
Fitting L Abbrev.		1/2	3/4	1	11/4	1½	2	2½	3	3½	4	5	6	8	10	12	14	16	18	20	24	
E Fsp T	NFPA 13 90' Standard Elbow Flow Switch Potter VSR NFPA 13 90' Flow thru Tee	1 Fittir 3	2 ng gener 4	2 ates a F 5	3 Fixed Los 6	4 s Based 8	5 I on Flov 10	6 v 12	7 15	8 17	10 20	12 25	14 30	18 35	22 50	27 60	35	40 81	45	50	61	

Units Summary

Diameter Units Length Units Flow Units Pressure Units

Inches Feet

US Gallons per Minute Pounds per Square Inch

Pressure / Flow Summary - STANDARD

Sprinkler Systems Inc. 56 HAMMOND STREET

Page 4 Date 11-20-12

Node No.	Elevation	K-Fact	Pt Actual	Pn	Flow Actual	Density	Area	Press Req.
								······································
TYP	0.0	4.9	12.04	na	17.0	0.05	340	12.0
1	58.542	K = K @ DROP	13.08	na	17.36	0.00	0.10	72.0
2	58.542	K = K @ DROP	13.03	na	17.32			
Α	58.542	<u> </u>	13.7	na 🐪				
3	58.542	K = K @ DROP	12.57	na	17.02			
4	58.542	$K = K \overset{\sim}{\otimes} DROP$	12.54	na	17.0			
С	58.542	9	13.1	na				
В	58.542		16.11	na				
D	58.542		20.79	na				
E	58.542		32.17	na				
F	48.792		39.57	na				
G	39.792		45.37	na				
Н	30.667		54.37	na				
RT	30.667		58.06	na				
RB	26.417		63.57	na na				
BR	24.417		69.75	na				
X1	30.583		71.26	na				
X2	30.583		71.27	na				
X3	10.583		79.95	na				
TEST	10.583		79.96	na				

The maximum velocity is 23.15 and it occurs in the pipe between nodes B and D

Page Date 5

11-20-12

Hyd. Ref.	Qa	Dia. "C"	Fitting		Pipe Ftng's	Pt Pe	Pt Pv	****** Notes *****
Point	Qt	Pf/Ft	Eqv.	Ln.	Total ,		Pn	Notes
TYP	17.00	1.101	1T	9.563	0.500	12.037		K Factor = 4.90
to DROP	17.0	150.0 0.0504		0.0	9.562 10.062	0.0 0.507		Vel = 5.73
	0.0 17.00					12.544		K Factor = 4.80
1 to	17.36	150.0		0.0 0.0	0.0	→ 13.083 0.0		K Factor @ node DROP
Α	17.36 0.0	0.0523		0.0	11.750	0.615		Vel = 5.85
2	17.36 17.32		1T	9.563	3.333	13.698 13.026		K Factor = 4.69 K Factor @ node DROP
to A	17.32	150.0 0.0521	(1	0.0 0.0	9.562 12.895	0.0 0.672		Vel = 5.84
	0.0 17.32					13.698		K Factor = 4.68
A to	34.69	1.101 150.0	1E	3.825 0.0	9.000 3.825	13.698 0.0		
В	34.69 0.0	0.1885		0.0	12.825	2.417		Vel = 11.69
3	34.69 17.02	1.101		0.0	10.667	16.115 12.567		K Factor = 8.64 K Factor @ node DROP
to C	17.02	150.0 0.0504		0.0 0.0	0.0 10.667	0.0 • 0.538		Vel = 5.74
	0.0 17.02					13.105		K Factor = 4.70
4 to	17.00	1.101 150.0	1T	9.563 0.0	1.583 9.562	12.544 0.0		K Factor @ node DROP
	17.0 0.0	0.0503	1.15 507 466 500	0.0	11.145	0.561		Vel = 5.73
С	17.00 34.02	1.101	1T	9.563	7 000 🛨	13.105 13.105		K Factor = 4.70
to B	34.02	150.0 0.1817	• •	0.0	9.562 16.562	0.0 3.010		Vel = 11.46
	0.0 34.02					16.115		K Factor = 8.47
B to	68.70	1.101 150.0		0.0	7.000 0.0	16.115 0.0		KT actor = 0.47
D	68.7	0.6671		0.0	7.000	4.670		Vel = 23.15
D to E	0.0 68.7	1.101 150.0 0.6672	1T	9.563 0.0 0.0	7.500 9.562 17.062	20.785 0.0 11.384		Vel = 23.15
E to	0.0	1.394 150.0	1E	4.762 0.0	10.250 4.761	32.169 4.223		Vei - 20.10
F	68.7	0.2114		0.0	15.011	3.174		Vel = 14.44
F to	0.0	1.394 150.0		0.0	9.000 0.0	39.566 3.898		
G	68.7	0.2114		0.0	9.000	1.903		Vel = 14.44

Sprinkler Systems Inc. 56 HAMMOND STREET

Page 6 Date 11-20-12

								Date 11-20-12
Hyd. Ref. Point	Qa Qt	Dia. "C" Pf/Ft	Fittir o Eqv.	r	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	****** Notes *****
7 01110	Gt	1 1/1 (щqv.	LII.	Total	ГІ	PII	
	ann gargant se dhi dhi kape gada dhi an a							
G	0.0	1.394	4 🗆	4 700	0.005	45.007		
to	0.0	150.0	1E 1T	4.762 9.523	9.625	45.367		
Н	68.7	0.2114	11	9.523 0.0	14.284	3.952		
					23.909	5.055		Vel = 14.44
H	0.0	1.610	2E	8.0	15.250	54.374		
to	C0 7	120.0		0.0	8.000	0.0		
RT	68.7	0.1584		0.0	23.250	3.683		Vel = 10.83
RT	0.0	1.610	1Fsp	0.0	4.250	58.057		
to		120.0		0.0	0.0	4.841		* Fixed loss = 3
RB	68.7	0.1584		0.0	4.250	0.673		Vel = 10.83
RB	0.0	1.610		0.0	2.000	63.571		
to		120.0		0.0	0.0	5.866		* Fixed loss = 5
BR	68.7	0.1585		0.0	2.000	* 0.317		Vel = 10.83
BR	0.0	1.72	1E	3.087	30.000	69.754		
to		150.0	1T	6.174	25.018	-2.670		
X1	68.7	0.0760		0.0	55.018	4.180		Vel = 9.49
X1	0.0	8.27	1T	55.354	150.000	71.264		7.70
to	0.0	140.0	''	0.0	55.354	0.0		
X2	68.7	0.0		0.0	205.354	0.009		Vel = 0.41
X2	0.0	8.27	1T	55.354	250.000			VEI - 0.41
to	0.0	140.0	1.1	0.0	55.354 ··	71.273		
X3	68.7	0.0		0.0	305.354	8.662 0.012		Val = 0.44
X3	0.0							Vel = 0.41
	0.0	8.27 140.0		0.0	300.000	79.947		
to TEST	68.7	0.0		0.0	0.0	0.0		
ILUI		0.0		0.0	300.000	0.013		Vel = 0.41
	0.0							
	68.70					79.960		K Factor = 7.68

300 600

900

1200

1500

1800

FLOW (N ^ 1.85)

Page 7

Date 11-20-12

City Water Supply: C1 - Static Pressure : 106 Demand: D1 - Elevation 20.771 C2 - Residual Pressure: 89 D2 - System Flow :
D2 - System Pressure :
Hose (Adj City)
Hose (Demand) 68.7012 C2 - Residual Flow : 2418 79.960 D3 - System Demand Safety Margin 68.7012 : 26.017 150 140 130 P 120 R 110 C1 E ¹⁰⁰ s 90 C2 . ø D2 4 s ⁸⁰ U 70 R 60 E 50 40 30 20 D1 10

2100

2400

2700



State of Maine Department of Public Safety

Fire Sprinkler System Permit



10372

Hammond Apts. Bldgs A&B

Located at:

56 Hammond Street

In the Town of: Portland

Occupancy/Use: Residential - Condominiums

Type of System: NFPA 13R

Permission is hereby given to:

Sprinkler Systems, Inc.

PO Box 1285

Lewiston, ME 042431285

Contractor License # 93

to begin installation according to plans submittal approved by the Office of State Fire Marshal. The submittal is filed under log # 2121539, 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 12/3/2012

for a fee paid of \$100.00

This permit will expire at midnight on

Saturday, June 01, 2013

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

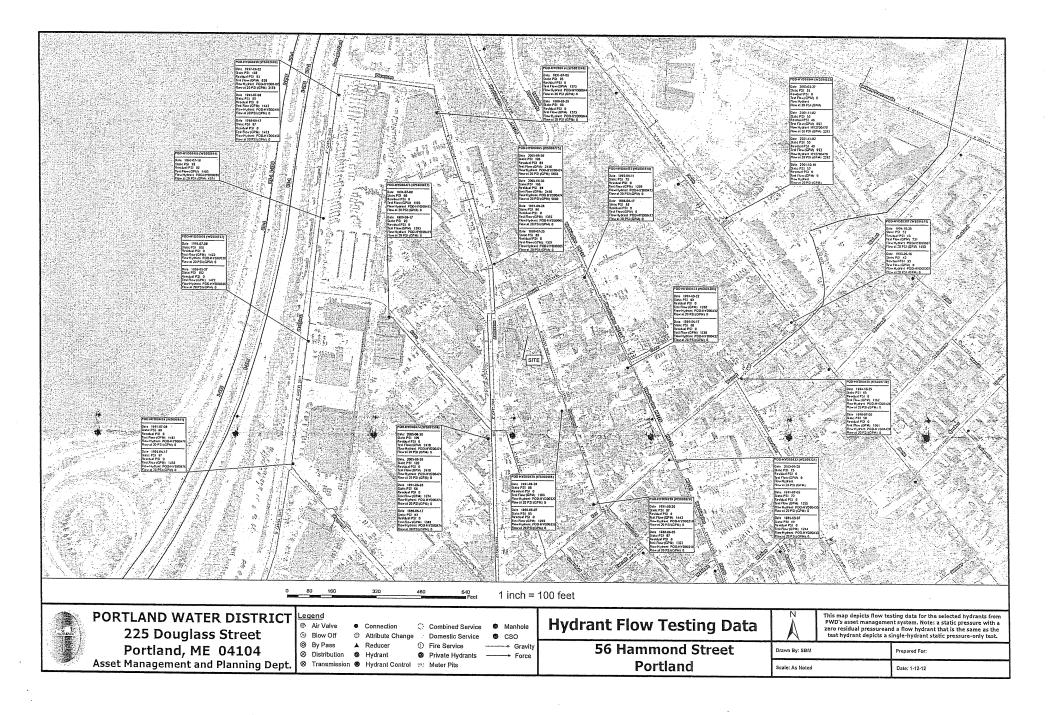
The type of Fire Department Connection and its location is to be according to the Local Fire Department

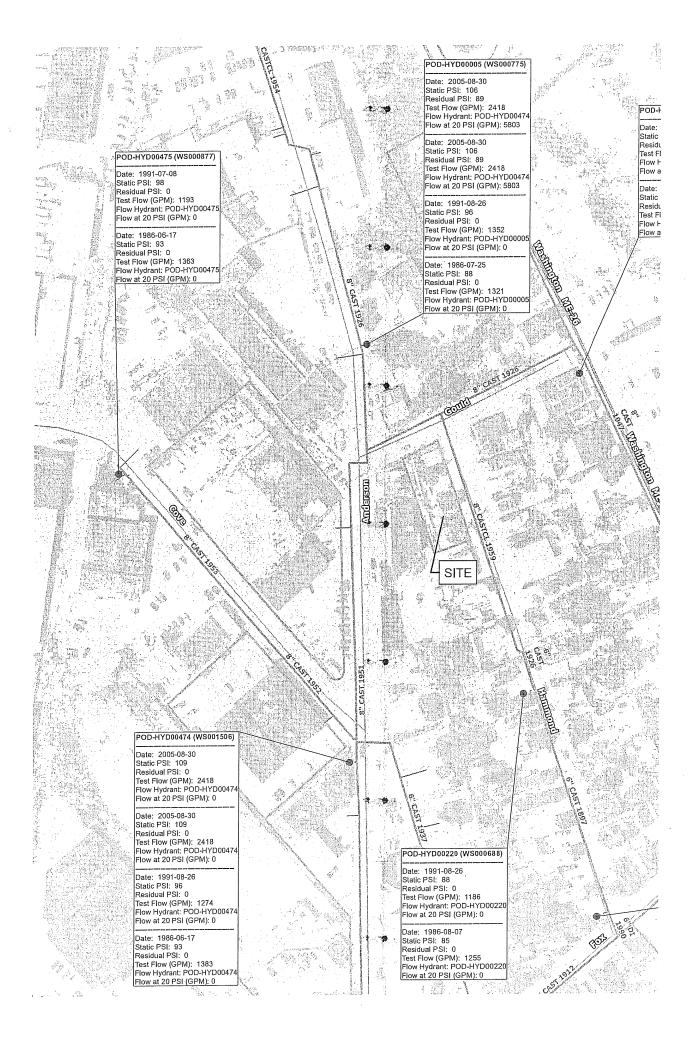
Within 30 days of the completion of a new fire sprinkler system or an addition to an existing fire sprinkler system, a fire sprinkler system contractor shall provide to the Office of State Fire Marshal a copy of this permit signed and dated by the certified Responsible Managing Supervisor representing 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.

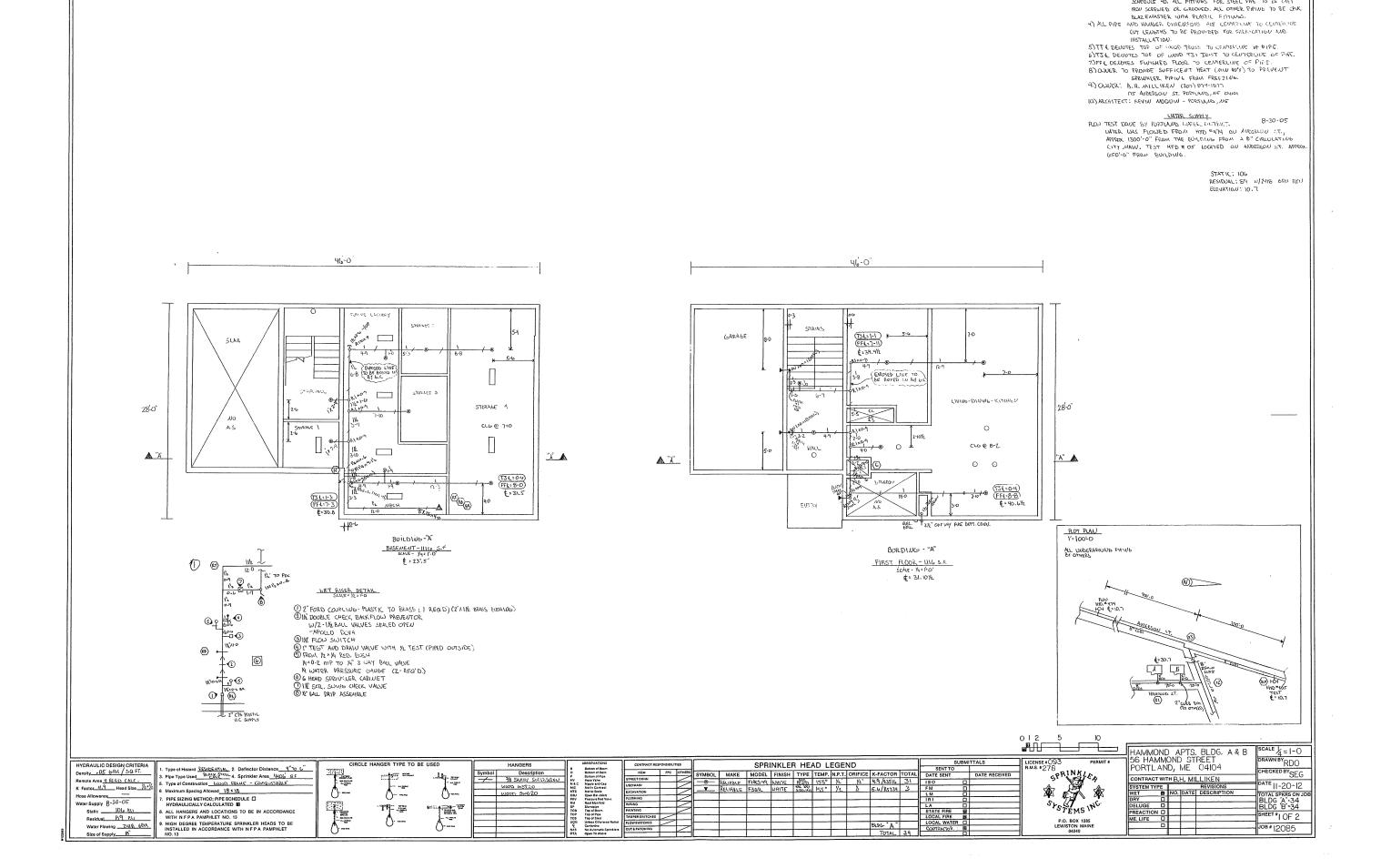
Job completed, tested and verified by date of __

RMS for this job: Garland Scott E.

RMS Signature:





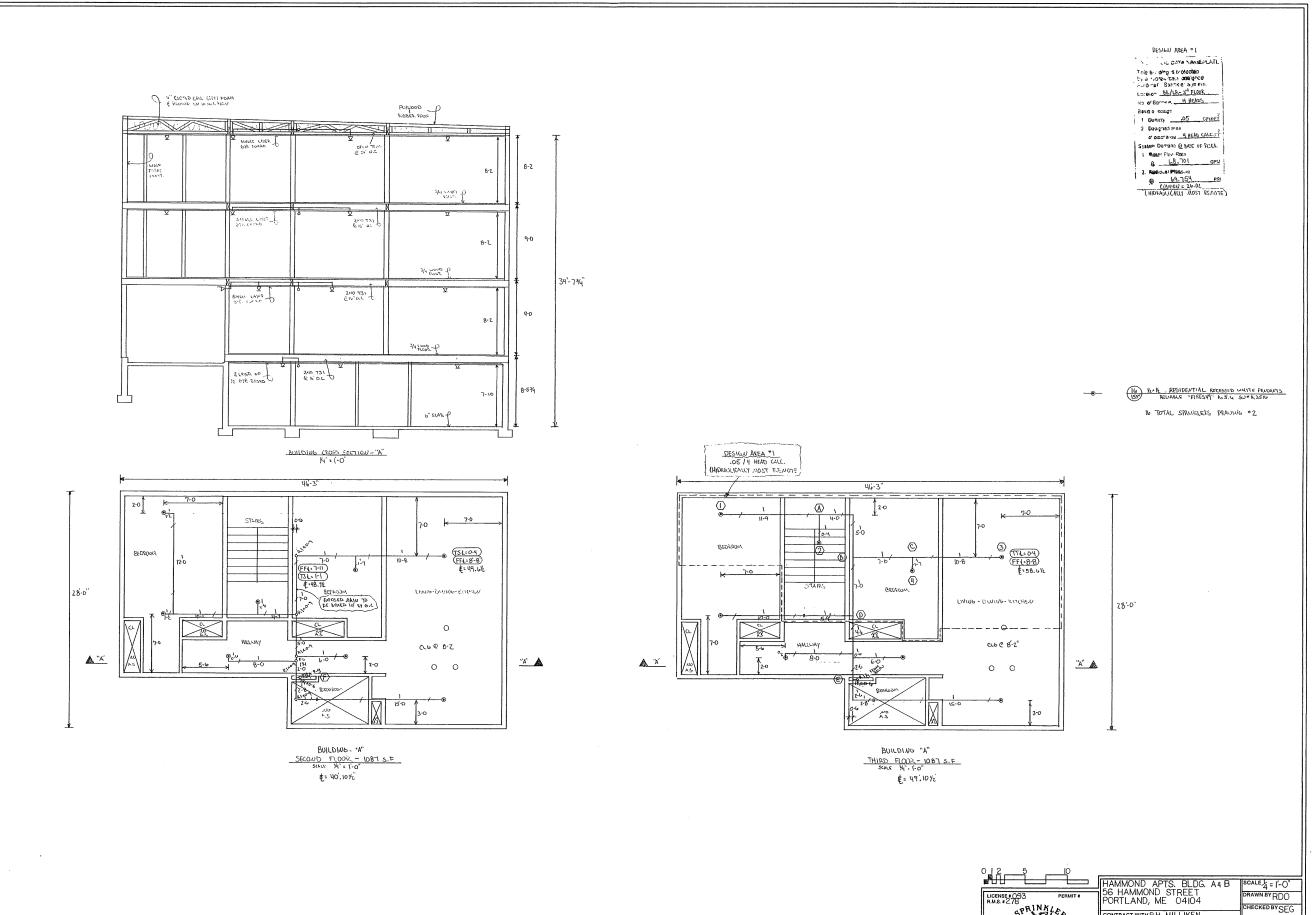


AIOTES

1) OCCUPANCY: COURDAINTINGS - RESIDENTIAL, IB-18

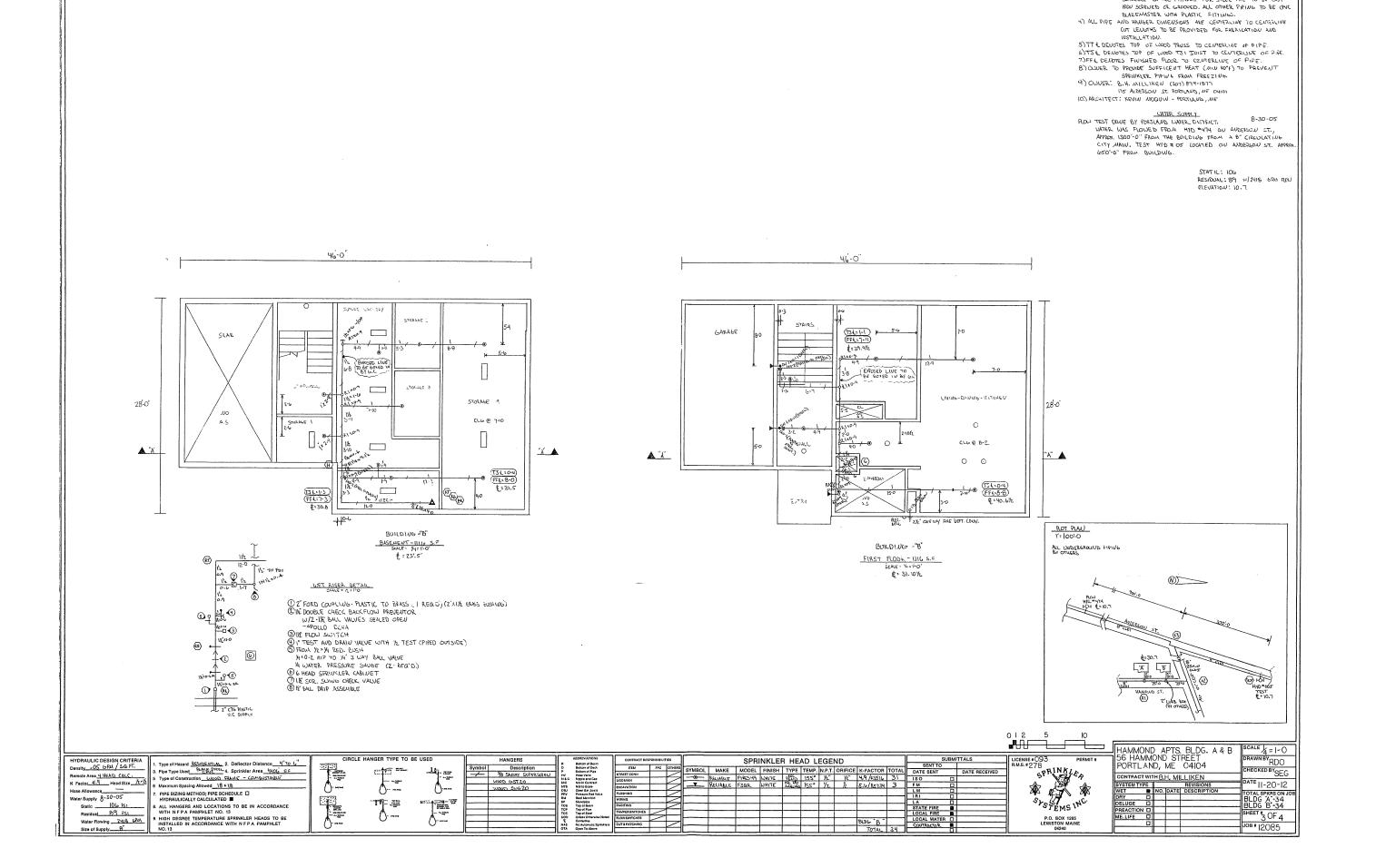
2) DESIGN BASIS: HYDRAULICALLY COLCULATED NIFPA "ISR NET SPRUNGER
SYSTEM, CSEE HABRANIC STAMP)

2) AL STRINGER ROOM PRIVILE 2" AND SMALLER TO RE BLACK "FEEL
SHEDULE 40. ALL FITTINGS FOR STEEL PIPE TO TE CAST



SYSTEMSING

CHECKED BY SEG CONTRACT WITH B.H. MILLIKEN DATE ||-20-|2 TOTAL SPKRS ON JOB BLDG "A" = 34 BLDG "B" = 34 SHEET # 2 OF 2' SYSTEM TYPE REVISIONS
WET NO. DATE DESCRIPTION
DRY DELUGE DEPREACTION DELUGE DESCRIPTION
MELIFE DELUGE DESCRIPTION
MELIFE DESCRIPTION
MELIFICATION
MELI



DOCCUPATION: CONDOMINIUMS - RESIDENTIAL IB +18

2) DESIGN BASIS: HYDRAULICALLY CALCULATED UFFA "13K WET SPRUNKLER SISTEM (SEE HIDRAUDIC STAMP) 3) ALL SPRUNKLER ROOM POWD 2" MID SAMLLER TO BE BLACK STEEL SCHEDULE YO. ALL FITTIMES FOR STEEL FIRE TO BE CAST

