

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND BUILDING PERMIT

This is to certify that
SPRINKLER SYSTEMS, INC.
PO BOX 1285
LEWISTON, ME 04243

For installation at
580 CONGRESS ST

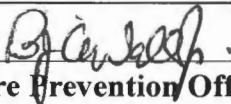
Job ID: 2012-06-4251-FAFS

CBL: 037- G-005-001

has permission to install NFPA 13 sprinkler system throughout the building 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 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


Fire Prevention Officer

 58

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (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.**

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.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: 2012-06-4251-FAFS
install NFPA 13 sprinkler system
throughout the building

For installation at:
580 CONGRESS ST

CBL: 037- G-005-001

Conditions of Approval:

Fire

The sprinkler system shall be installed in accordance with NFPA 13. A signed compliance letter will be required.

A separate sprinkler permit is required from the State Fire Marshal's Office.

Sprinkler supervision shall be provided in accordance with NFPA 101, *Life Safety Code*, and NFPA 72, *National Fire Alarm and Signaling Code*.

Sprinkler protection shall be maintained. Where the system is to be shut down for maintenance or repair, the system shall be checked at the end of each day to insure the system has been placed back in service.

The Fire Department will require a Knox locking cap on the Fire Department Connection on the exterior of the building.

System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

City ordinance requires a Knox Box for all structures with a sprinkler or fire alarm system.



Water-Based Fire Suppression System Permit

Entire
6/15/12
RCS

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.

2012-06-4251-FAS
037 6005

Installation address: 580 Congress Street CBL: 037 6005

Exact location: (within structure) Springer's Jewelers

Type of occupancy(s) (NFPA & ICC): Light and Ordinary Hazard Group 2

Building owner: Springer's Jewelers

Managing Supervisor (RMS): Scott E. Garland License No: 278

Supervisor phone: 207-775-1521 E-mail: scottg@sprinklersystemsinc.com

Installing contractor: Sprinkler Systems Inc. License No: 093

Contractor phone: 207-782-0104 E-mail: _____

The suppression work to be done will be: New: Renovation: Addition to existing system:

This is an amendment to an existing permit: Yes: NO: Permit no: _____

NFPA Standard this system is designed to: NFPA #13 Edition: 2010

*Non-NFPA systems are not approved for use within the City of Portland.

Download a new copy of this document from www.portlandmaine.gov/fire for every submittal. Attach all working 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.

COST OF WORK: <u>\$10,000.00</u>
PERMIT FEE: <u>\$120.00</u>
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)
RECEIVED
JUN 15 2012
Dept. of Building Inspections City of Portland Maine

Submit all information to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire protection system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with NFPA and the Fire Department Technical Standard(s).

Applicant signature: _____ Date: 6-8-2012

BBC INC - 76 Wood Lawn Dr
Farmington, ME 04105
1 - retail - Springer's
2 - office
3 - office
4 - storage/unoccupied



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Receipts Details:

Tender Information: Check , Check Number: 28273

Tender Amount: 120.00

Receipt Header:

Cashier Id: bsaucier

Receipt Date: 6/15/2012

Receipt Number: 45013

Receipt Details:

Referance ID:	6908	Fee Type:	BP-Constr
Receipt Number:	0	Payment Date:	
Transaction Amount:	120.00	Charge Amount:	120.00
Job ID: Job ID: 2012-06-4251-FAFS - Sprinkler System			
Additional Comments: 580 Congress			

Thank You for your Payment!

Sprinkler Systems, Inc.

P.O. Box 1285

Lewiston, ME 04243-1285

TO: CITY of PORTLAND
INSPECTIONS, RM 315
339 LANGLISS ST
PORTLAND, ME

Letter of Transmittal

DATE	6/4/12	JOB #	12016
ATTENTION:	CODE ENFORCEMENT		
RE:	SPRINKLER'S JEWELERS 500 LANGLISS ST. PORTLAND, ME 04101		

WE ARE SENDING YOU:

- Attached Under separate cover via _____ the following items:
 Shop drawings Prints Plans Samples Specifications Wavier or Liens
 Copy of letter Change order Signed Contracts PERMITS, APPL, CHECK

COPIES	DATE	NO.	DESCRIPTION
1 c	6-4-12	12012	SPRINKLER SHOP DRAWINGS
1 c	6-3-12	-	CITY OF PORTLAND SPRINKLER PERMIT APPL.
1 c	6-5-12	10033	STATE OF MAINE SPRINKLER PERMIT
1 c	5-31-12	12012	PWD FLOW TEST MAP
1 c	6-4-12	12012	11X17 SPRINKLER SHOP DRAWINGS
1 c	6-11-12	20273	8 1/2 PERMIT CHECKS

THESE ARE TRANSMITTED as checked below:

- For your approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution

REMARKS:

PLEASE RETURN 1 PERMIT.

THANK YOU,
SCOTT E. GALLAND, SET RMS

SIGNED:

PROJ. MGR.



State of Maine
Department of Public Safety
Fire Sprinkler System Permit



10033

Springer's Jewelers

Located at: 580 Congress Street
 In the Town of: Portland
 Occupancy/Use: Offices / Jewellery Store
 Type of System: NFPA 13

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 # **2121243** , 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 **6/5/2012** for a fee paid of **\$190.00**

*This permit will expire at midnight on **Sunday, December 02, 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: Saucier Clayton D.

RMS Signature: _____

3
): 1209
OD-HYD00225
(GPM): 4573
27
): 919
OD-HYD00146
(GPM): 0
38
): 963
OD-HYD00146
(GPM): 0

Static PSI: 57
Residual PSI: 0
Test Flow (GPM): 1061
Flow Hydrant: POD-HYD00186
Flow at 20 PSI (GPM): 0
Date: 1986-01-07
Static PSI: 57
Residual PSI: 0
Test Flow (GPM): 1061
Flow Hydrant: POD-HYD00186
Flow at 20 PSI (GPM): 0

Flow at 20 PSI (GPM): 0
Date: 1988-07-15
Static PSI: 0
Residual PSI: 0
Test Flow (GPM): 0
Flow Hydrant: POD-HYD00086
Flow at 20 PSI (GPM): 0

POD-HYD00185 (I)
Date: 1991-07-03
Static PSI: 56
Residual PSI: 0
Test Flow (GPM): 1150
Flow Hydrant: POD-HYD00185
Flow at 20 PSI (GPM): 0
Date: 1986-07-01
Static PSI: 52
Residual PSI: 0
Test Flow (GPM): 1113
Flow Hydrant: POD-HYD00185
Flow at 20 PSI (GPM): 0

POD-HYD00206 (J)
Date: 2010-05-07
Static PSI: 64
Residual PSI: 62
Test Flow (GPM): 992
Flow Hydrant: POD-HYD00462
Flow at 20 PSI (GPM): 5265
Date: 1991-07-03
Static PSI: 62
Residual PSI: 0
Test Flow (GPM): 822
Flow Hydrant: POD-HYD00206
Flow at 20 PSI (GPM): 0
Date: 1986-05-30
Static PSI: 59
Residual PSI: 0
Test Flow (GPM): 1034
Flow Hydrant: POD-HYD00206
Flow at 20 PSI (GPM): 0

POD-HYD00207 (I)
Date: 2004-12-10
Static PSI: 80
Residual PSI: 0
Test Flow (GPM): 0
Flow Hydrant:
Flow at 20 PSI (GPM):
Date: 1991-07-03
Static PSI: 59
Residual PSI: 50
Test Flow (GPM): 822
Flow Hydrant: POD-HYD00206
Flow at 20 PSI (GPM): 1814
Date: 1986-05-30
Static PSI: 57
Residual PSI: 0
Test Flow (GPM): 992
Flow Hydrant: POD-HYD00207
Flow at 20 PSI (GPM): 0

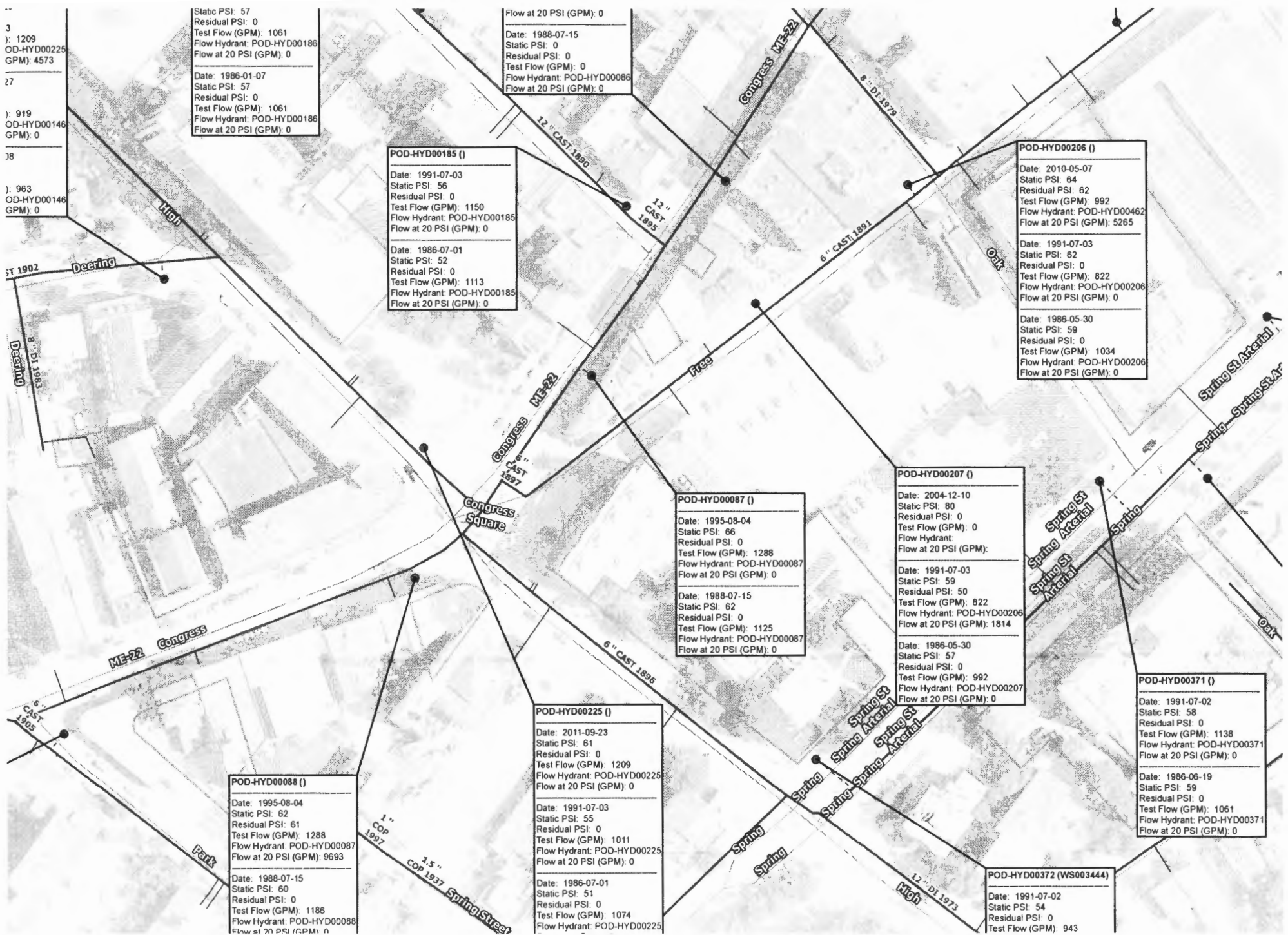
POD-HYD00087 (I)
Date: 1995-08-04
Static PSI: 66
Residual PSI: 0
Test Flow (GPM): 1288
Flow Hydrant: POD-HYD00087
Flow at 20 PSI (GPM): 0
Date: 1988-07-15
Static PSI: 62
Residual PSI: 0
Test Flow (GPM): 1125
Flow Hydrant: POD-HYD00087
Flow at 20 PSI (GPM): 0

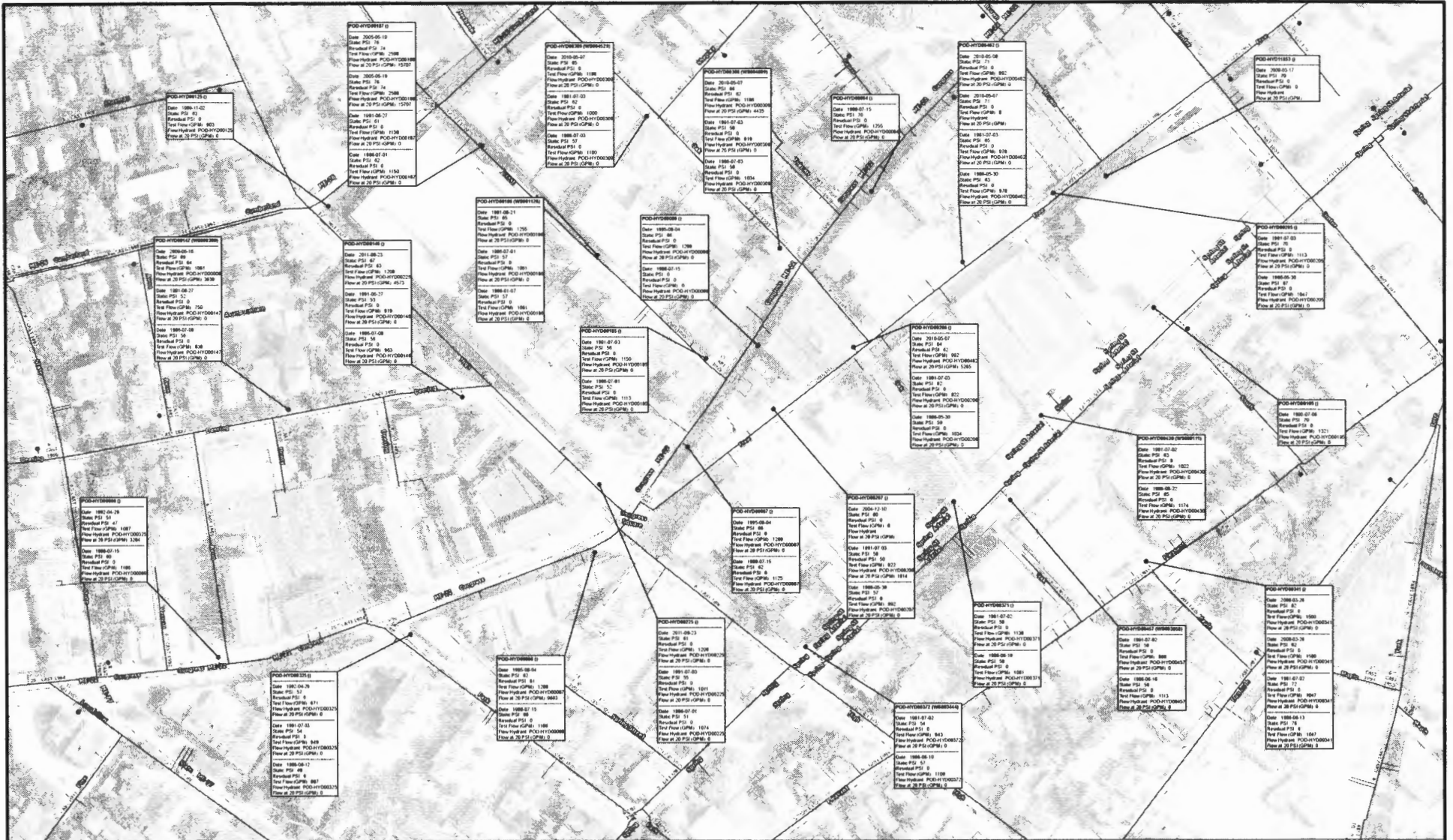
POD-HYD00371 (I)
Date: 1991-07-02
Static PSI: 58
Residual PSI: 0
Test Flow (GPM): 1138
Flow Hydrant: POD-HYD00371
Flow at 20 PSI (GPM): 0
Date: 1986-06-19
Static PSI: 59
Residual PSI: 0
Test Flow (GPM): 1061
Flow Hydrant: POD-HYD00371
Flow at 20 PSI (GPM): 0

POD-HYD00225 (I)
Date: 2011-09-23
Static PSI: 61
Residual PSI: 0
Test Flow (GPM): 1209
Flow Hydrant: POD-HYD00225
Flow at 20 PSI (GPM): 0
Date: 1991-07-03
Static PSI: 55
Residual PSI: 0
Test Flow (GPM): 1011
Flow Hydrant: POD-HYD00225
Flow at 20 PSI (GPM): 0
Date: 1986-07-01
Static PSI: 51
Residual PSI: 0
Test Flow (GPM): 1074
Flow Hydrant: POD-HYD00225

POD-HYD00088 (I)
Date: 1995-08-04
Static PSI: 62
Residual PSI: 61
Test Flow (GPM): 1288
Flow Hydrant: POD-HYD00087
Flow at 20 PSI (GPM): 9693
Date: 1988-07-15
Static PSI: 60
Residual PSI: 0
Test Flow (GPM): 1186
Flow Hydrant: POD-HYD00088
Flow at 20 PSI (GPM): 0

POD-HYD00372 (WS003444)
Date: 1991-07-02
Static PSI: 54
Residual PSI: 0
Test Flow (GPM): 943





PORTLAND WATER DISTRICT
 225 Douglass Street
 Portland, ME 04104
 Asset Management and Planning Dept.

Legend	
● Air Valve	● Connection
● Blow Off	● Attribute Change
● By Pass	▲ Reducer
● Distribution	● Hydrant
● Transmission	● Hydrant Control
● Combined Service	● Domestic Service
● Fire Service	● Private Hydrants
● Meter Pits	● Manhole
● CSO	● Gravity
● Force	

Hydrant Flow Testing Data

580 Congress Street
 Portland



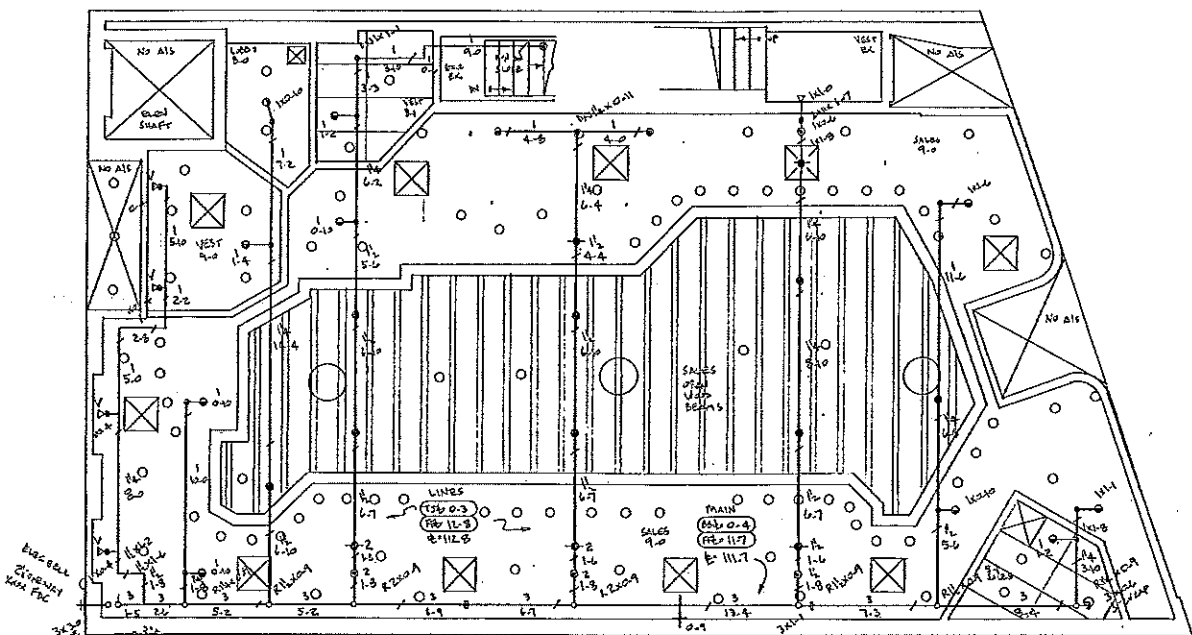
This map depicts flow testing data for the selected hydrants from PWD's asset management system. Note: a static pressure with a zero residual pressure and a flow hydrant that is the same as the test hydrant depicts a single-hydrant static pressure-only test.

Drawn By: SBM

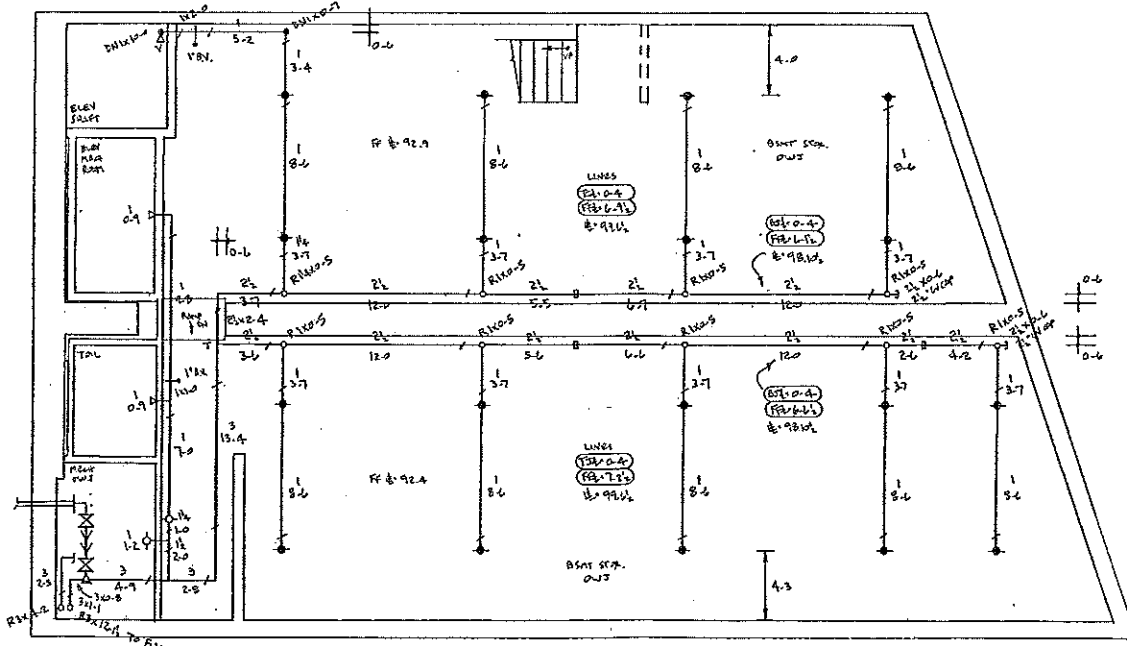
Prepared For:

Scale: As Noted

Date: 5-31-12

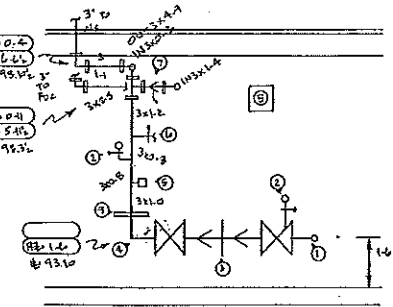
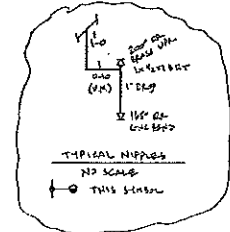


FIRST FLOOR - 2.014.5
1/4" = 1'-0"
FF @ 102.0



BASEMENT LEVEL - 2.014.52
1/4" = 1'-0"
FF @ 92.9 (UM)

SYMBOL	DESCRIPTION	QUANTITY	REMARKS
○	1/2" x 1/2" BRASS UPRIGHT RELIABLE FIRE SPRINKLER RA1425	2	12
○	1/2" x 1/2" BRASS PENDENT RELIABLE FIRE SPRINKLER RA1414	15	5
○	1/2" x 1/2" WHITE CONCEALED PENDENT RELIABLE FIRE SPRINKLER RA410	1	17
○	1/2" x 1/2" WHITE CONCEALED UPRIGHT RELIABLE FIRE SPRINKLER RA425	2	1
○	1/2" x 1/2" WHITE VERTICAL SHUTTER RELIABLE FIRE SPRINKLER RA1455	1	4
○	1/2" x 1/2" WHITE PENDENT RELIABLE FIRE SPRINKLER RA1414	1	8
	TOTAL HANGERS, ROWS 1-2	23	47



- 1" FILL ALL
- 1/2" x 1/2" BRASS UPRIGHT TO 12" MAX. W/ 1/2" x 1/2" BRASS VALVE W/ 1/2" WATER STOP (2-2000)
- 1" FILL DOUBLE CHECK BACKFLOW PREVENTER W/ 2" L" FILL OS & 2" LATER VALVES W/ WATER STOP - APES 2000 SS
- 1" x 3" FILL RELIEF VALVE
- 2" FILL VALVE
- FROM 12" x 6" W/ 1/2" TAP & 2" DRIP VALVE, AGE 1000. W/ PIPED TO OUTSIDE
- 3" COUPLED SWIRE COUPLER VALVE W/ 1/2" BRASS ASS'Y
- 12" BRASS SPRINKLER CABINET W/ SPRINKLER WRENCH
- 5" VC FLANGE

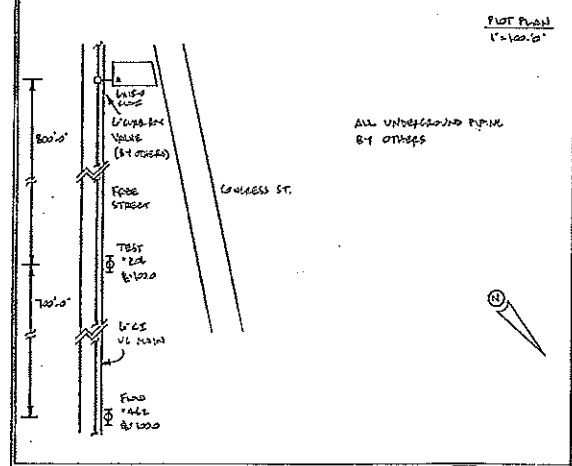
- Notes**
- 1) OCCUPANT: OFFICES - LIGHT HAZARD, 200 SF
CEILING PLenums - LIGHT HAZARD, 130 SF
RETAIL SALES BASEMENT - LIGHT HAZARD, 130 SF
 - 2) DESIGN BASIS: NEW NFPA 13A, LIGHT PIPE SCHEDULE SPRINKLER SYSTEM.
 - 3) ALL 1" TO 2" PIPING TO BE BLACK STEEL SCHEDULE 40. ALL PIPING 2" AND LARGER TO BE BLACK STEEL THINWALL. ALL FITTINGS TO BE CAST-IRON SCHEDULE 40.
 - 4) ALL PIPING AND HANGER DIMENSIONS ARE CUT LENGTHS FOR APPLICATION AND INSTALLATION.
 - 5) TB L DENOTES TOP OF WOOD BEAM TO CENTERLINE OF PIPE.
 - 6) BB L DENOTES BOTTOM OF WOOD BEAM TO CENTERLINE OF PIPE.
 - 7) TB L DENOTES TOP OF WOOD JOIST TO CENTERLINE OF PIPE.
 - 8) BB L DENOTES BOTTOM OF WOOD JOIST TO CENTERLINE OF PIPE.
 - 9) FFL DENOTES FINISHED FLOOR TO CENTERLINE OF PIPE.
 - 10) OWNER TO PROVIDE SUFFICIENT HEAT (MIN 40°F) IN ALL AREAS OF THE BUILDING AT ALL TIMES TO PREVENT SPRINKLER PIPE FROM FREEZING.
 - 11) OWNER: SPRINGER'S JEWELERS
580 CONGRESS STREET
PORTLAND, MAINE 04101
772-5404
 - 12) ARCHITECT: BRIAN B. DUFFY ASSOCIATES - FALMOUTH, MAINE
 - 13) ALL SPRINKLER HEADS TO BE LOCATED IN EXACT CENTER OF CEILING TILES.

WATER SUPPLY

FLOW TEST BY PORTLAND WATER DISTRICT MAY 7, 2010
WATER WAS FLOWED FROM HYDRANT #412 ON FREE STREET, APPROX. 1500' FROM THE BUILDING FROM A LOCAL CIRCULATING CITY MAIN. TEST HYDRANT #206 LOCATED ON FREE STREET, APPROX. 300' FROM BUILDING.

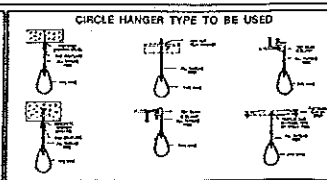
STATIC: 64.0 PSI
RESIDUAL @ 2 PSI WITH 992 GPM FLOW
ELEVATION: 102.0

- LEGEND**
- BRASS UPRIGHT SPRINKLER ON TOP OF A WHITE CONCEALED PENDENT SPRINKLER
 - WHITE PENDENT SPRINKLER ON TOP
 - 200° BRASS PENDENT SPRINKLER ON TOP
 - 200° BRASS UPRIGHT SPRINKLER
 - 200° BRASS UPRIGHT SPRINKLER ON WALL
 - WHITE RECESSED HORIZONTAL SUBMINOR SPRINKLER
 - WHITE VERTICAL SHUTTER SPRINKLER
 - WHITE CONCEALED PENDENT SPRINKLER ON TOP
 - COUPLER OR SCREWED JOINT



HYDRAULIC DESIGN CRITERIA

Design	Plasma Area	K Factor	Water Supply
Static: 64.0 PSI	Residual: 62.0 PSI	Water Flowing: 492 GPM	Size of Supply: 6" CE



HANGERS

Symbol	Description
○	1/2" x 1/2" BRASS UPRIGHT
○	1/2" x 1/2" BRASS PENDENT
○	1/2" x 1/2" WHITE CONCEALED PENDENT
○	1/2" x 1/2" WHITE CONCEALED UPRIGHT
○	1/2" x 1/2" WHITE VERTICAL SHUTTER
○	1/2" x 1/2" WHITE PENDENT

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	FINISH	TYPE	TEMP.	N.P.T.	ORIFICE	K-FACTOR	TOTAL
○	RELIABLE	PIR XL	BRASS	OR. 55A	200°	1/2"	1/2"	SL/RA1425	6.5
○	RELIABLE	PIR SL	BRASS	OR. 55B	200°	1/2"	1/2"	SL/RA1414	2.1
○	RELIABLE	PIR SL	WHITE	OR. 55B	155°	1/2"	1/2"	SL/RA1414	9
○	RELIABLE	PIR SL	BRASS	OR. 55B	200°	1/2"	1/2"	SL/RA1414	5.7
○	RELIABLE	PIR SL	WHITE	OR. 55B	155°	1/2"	1/2"	SL/RA1414	2.3
○	RELIABLE	PIR SL	WHITE	OR. 55B	155°	1/2"	1/2"	SL/RA1414	12
○	RELIABLE	PIR SL	WHITE	OR. 55B	155°	1/2"	1/2"	SL/RA1414	4
	TOTALS								190

SUBMITTALS

SENT TO	DATE SENT	DATE RECEIVED
ISO		
FM		
LA		
STATE FIRE		
LOCAL FIRE		
LOCAL WATER		
LOCAL		

LICENSE #093
R.A.S. #276

SPRINKLER SYSTEMS INC.

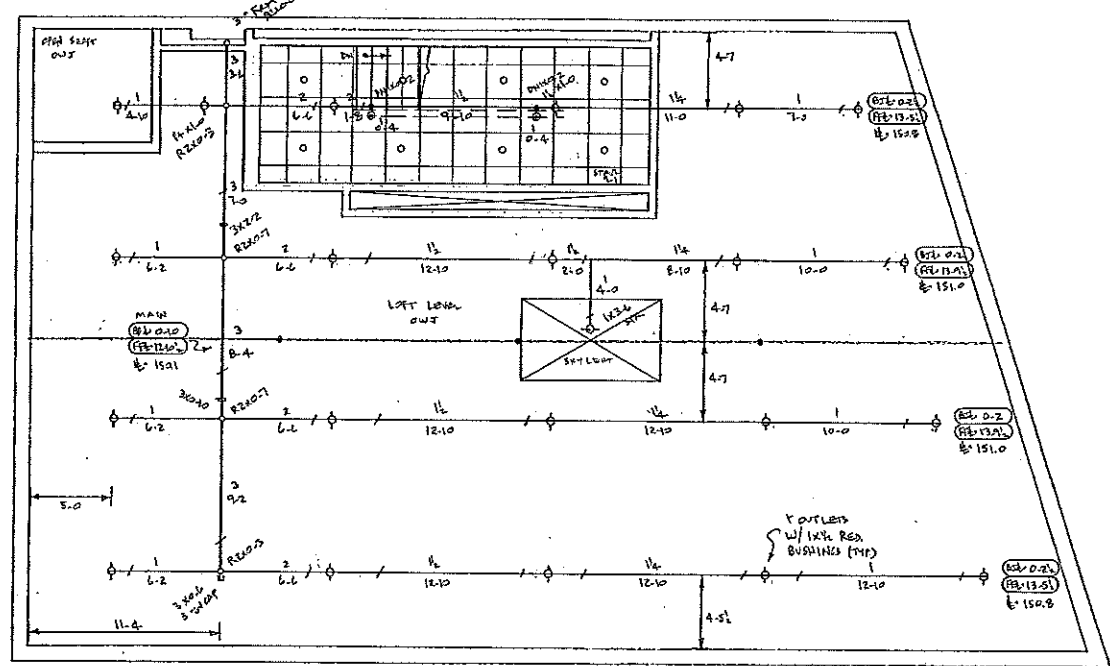
P.O. BOX 1265
LEWISTON MAINE
04240

SPRINGER'S JEWELERS
580 CONGRESS STREET
PORTLAND, MAINE 04101

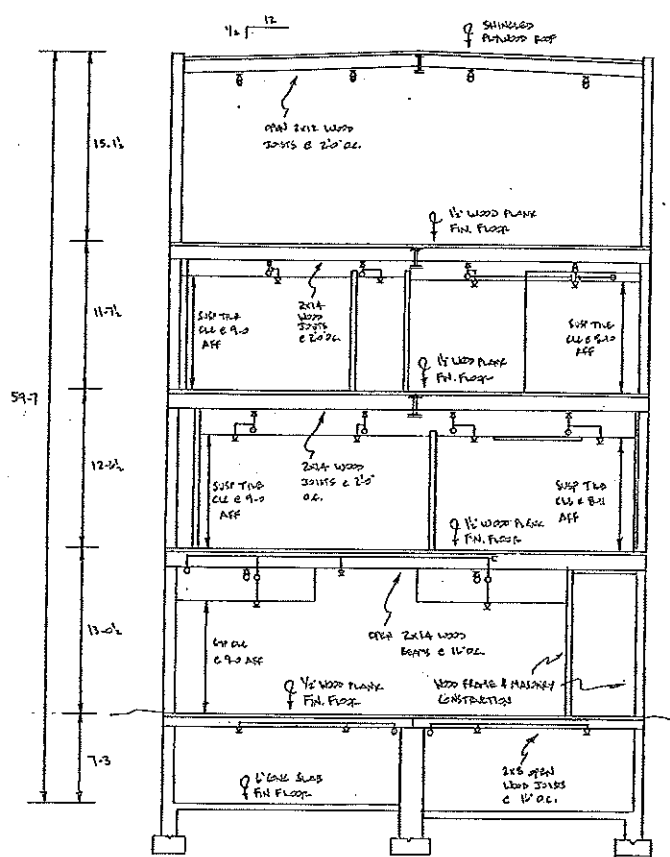
SCALE 1/4" = 1'-0"

DRAWN BY SEG
CHECKED BY SEG

DATE 6-4-12
TOTAL SPKRS ON JOB 190
SHEET # 1 OF 2
JOB # 12016

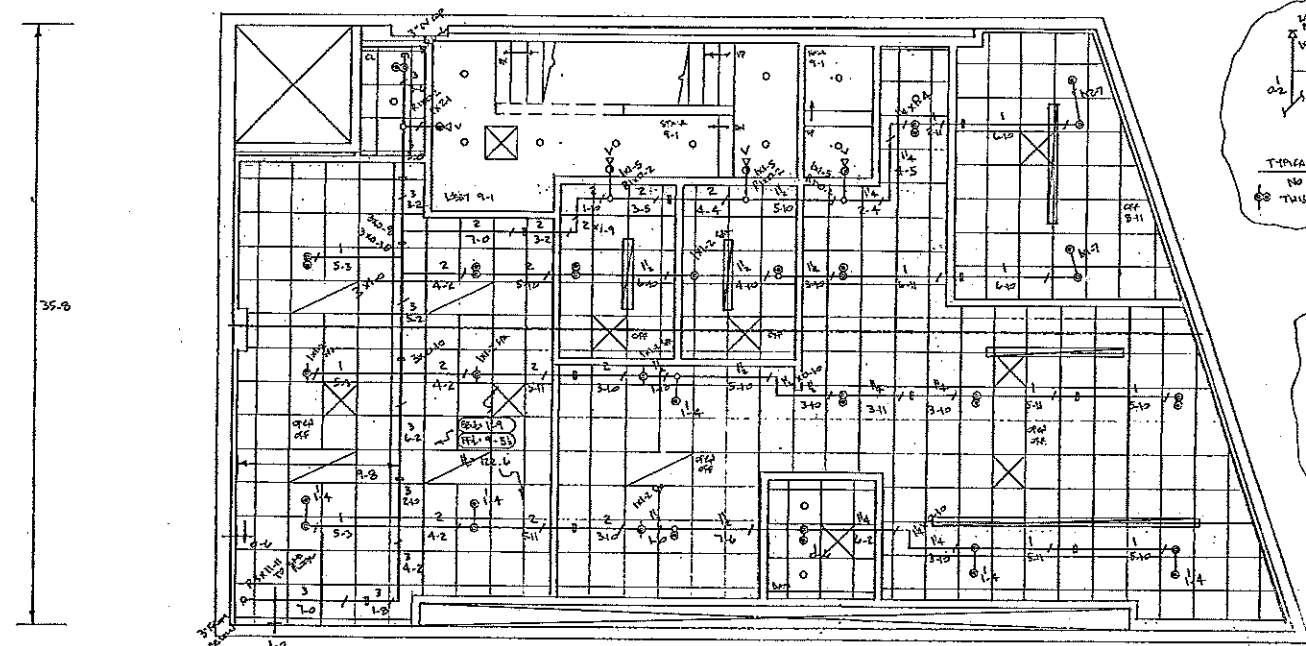


FIRST FLOOR - 2014 SE
1/4" = 1'-0"
FF # 137.2

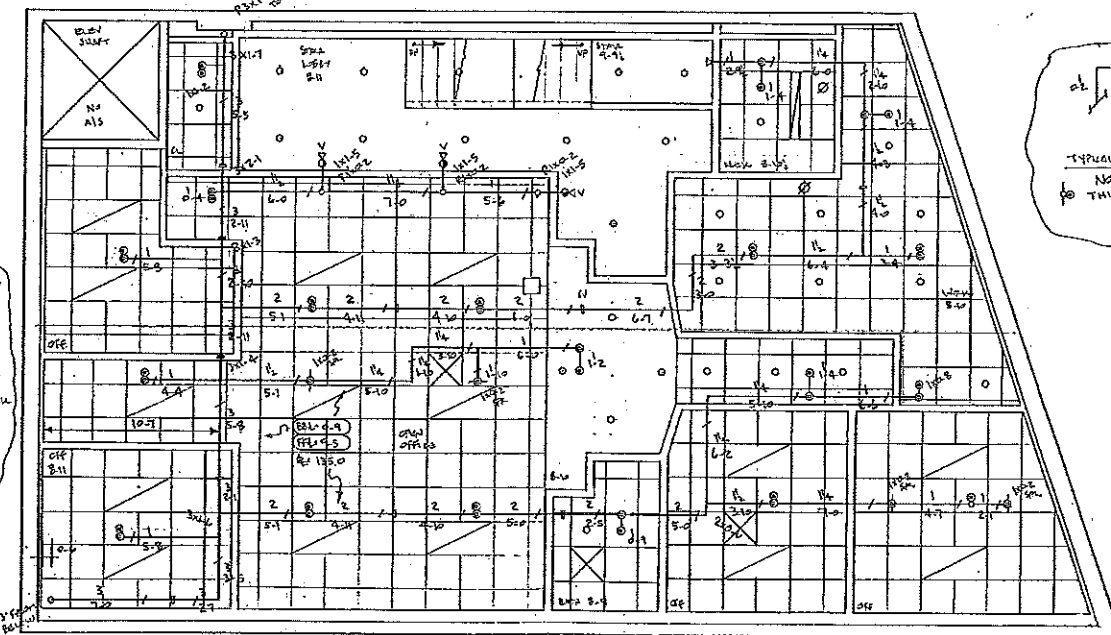
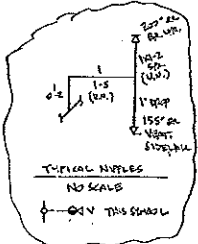
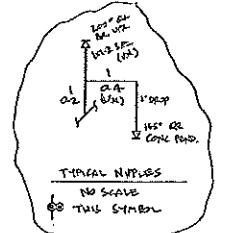


BUILDING CROSS SECTION 'AA'
3/16" = 1'-0"

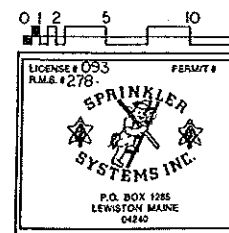
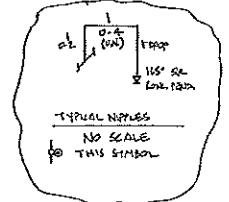
	2ND	3RD	4TH
51 YEARS OF BRASS UPRIGHT RELIABLE "FIRE-SU" K15L RAISES	25	25	1
40 YEARS OF CONCRETE WHITE ROBERT RELIABLE "GAM" K15L RAISES	19	19	2
1 YEARS OF RECESSED WHITE BRASS SPOON RELIABLE "FIRE-SU" K15L RAISES	-	1	-
7 YEARS OF ORANGE VERTICAL SPOON RELIABLE "FIRE-SU" K15L RAISES	4	3	-
21 YEARS OF BRASS ROBERTS RELIABLE "FIRE-SU" K15L RAISES	-	-	21
120 TOTALS	48	48	24



SECOND FLOOR - 2014 SE
1/4" = 1'-0"
FF # 113.0
ALL CEILING @ 9'-0" AFF W/ ALL APPLS 1-2 ON THIS FLOOR



THIRD FLOOR - 2014 SE
1/4" = 1'-0"
FF # 125.7
ALL CEILING @ 9'-0" AFF W/ ALL APPLS 1-2 ON THIS FLOOR



SPRINGER'S JEWELERS 580 CONGRESS STREET PORTLAND, MAINE 04101		SCALE 1/4" = 1'-0" DRAWN BY SEG CHECKED BY SEG
CONTRACT WITH OWNER		DATE 6-4-12 TOTAL SPURS ON JOB 190
SYSTEM TYPE 1 MET <input type="checkbox"/> NO. (DATE) DESCRIPTION DRY <input type="checkbox"/> DELUGE <input type="checkbox"/> PREACTION <input type="checkbox"/> ME LIFE <input type="checkbox"/>	SHEET # 2 OF 2 JOB # 12016	