

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK CITY OF PORTLAND BUILDING PERMIT



This is to certify that <u>SPRINKLER SYSTEMS, INC.</u> <u>P.O. Box 1285</u> <u>LEWISTON, ME 04240</u> For installation at <u>512 WARREN AVE</u> <u>PORTLAND SPORTS COMPLEX</u>

Job ID: 2012-06-4372-ALTCOMM

CBL: 271- A-002-001

has permission to install dry pipe 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 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

58 Fire Prevention Officer

r

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 Jeff Levine

Job ID: 2012-06-4372-ALTCOMM install dry pipe sprinkler system For installation at: <u>512 WARREN AVE</u> <u>PORTLAND SPORTS COMPLEX</u> CBL: 271- A-002-001

Conditions of Approval:

Fire

Installation shall be in accordance with the City of Portland Fire Department Regulations and NFPA 13. A copy of the State Sprinkler permit with RMS date and signature shall be provided prior to scheduling of the final inspection.

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 entire sprinkler system shall be maintained in accordance with NFPA 25, *Standard for Inspection, Testing and Maintenance of Water-Based Fire Protection Systems*, 2008 edition.

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

A Knox Box is required.

Notice: Installation of a nitrogen system may extend the life of a dry pipe sprinkler system by decades where the sprinkler piping is not well pitched and/or when the arrangement allows water to collect and not completely drain. The installer has been requested to provide the owner with a copy of the Fire Marshal's handout regarding dry pipe design issues.

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2012-06-4372-ALTCOMM 2012-49575 FAFS	Date Applied: 10/23/2012		CBL: 271- A-002-001						
Location of Construction: 512 WARREN AVE	Owner Name: PORTLAND SPORTS R LLC	EALTY	Owner Address: 510 WARREN AVI PORTLAND, ME 0	-		Phone:			
Business Name:	Contractor Name: SPRINKLER SYST	EMS INC.	Contractor Addr P.O. BOX 1285, LI	ess: Ewiston, me 0424	10	Phone: (207) 782-0104			
Lessee/Buyer's Name:	Phone:		Permit Type: FAFS			Zone: B-4			
Past Use: Sports Center addition	*			Cost of Work: \$11,000.00					
(under construction)	Sprinkler system in addition		Fire Dept: $1\nu/29/12$ Signature: BIO	Approved (2) Denied N/A	of conditions	Inspection: Use Group: Type:			
Proposed Project Descriptio sprinkler system	n:			ities District (P.A.		Signature:			
Permit Taken By: Lannie				Zoning Appr	oval				
 This permit application Applicant(s) from meeti Federal Rules. Building Permits do not septic or electrial work. Building permits are vo within six (6) months of False informatin may in permit and stop all work 	ing applicable State and include plumbing, id if work is not started f the date of issuance. validate a building	Special Zo Shorelan Wetland Flood Zo Subdivis Site Plan Maj Date:	s one tion	Zoning Appeal Variance Miscellaneous Conditional Us Interpretation Approved Denied Date:	e Not in Dis Does not i Requires i Approved				

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 application 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

Child 2012: 1955



Water-Based Fire Suppression System Permit

8-4

SLLAC

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.

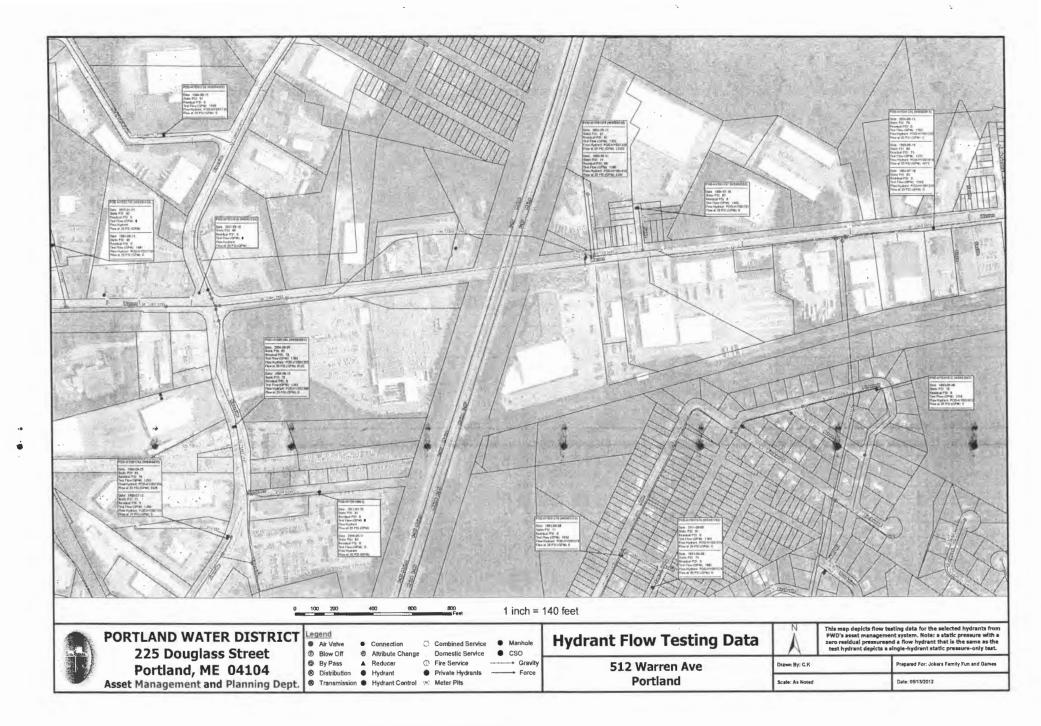
Installation address: 510 - 512 Warren Avenue	Св. 27/-А-2
Exact location: (within structure) Joker's Addition (Portland	Sports Center)
Type of occupancy(s) (NFPA & ICC): Light Hazard - Indoor	Sports Center
Building owner:Joker's, 510-512 Warren Avenue, Portl	and, ME 04103
Managing Supervisor (RMS): Scott E. Garland	License No: 278
Supervisor phone: 207-775-1521	E-mail: scottg@sprinklersystemsinc.cor
Installing contractor: Sprinkler Systems Inc.	License No: 093
Contractor phone: 207-782-0104	E-mail:
The suppression work to be done will be: New: O Renov	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 #13	Edition: 2007
*Non-NFPA systems are not approved for use within the City of Portland.	COST OF WORK: \$11,000.00
Download a new copy of this document from	PERMIT FEE: \$130.00
	(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)
www.portlandmaine.gov/fire for every submittal. Attach all working	(\$10 FER \$1,000 + \$50 FOR THE FIRST \$1,000)
documents and complete approved submittals as may be required by	9 .
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	1
be approved in writing by the Fire Prevention Bureau.	
Submit all information to the Building Inspections Department, 389 Gon	ress Street, Room 315, Portland, Maine 04101.
Die de la Constantia antenia a constantia	cianing and accortance test must be accordinated with

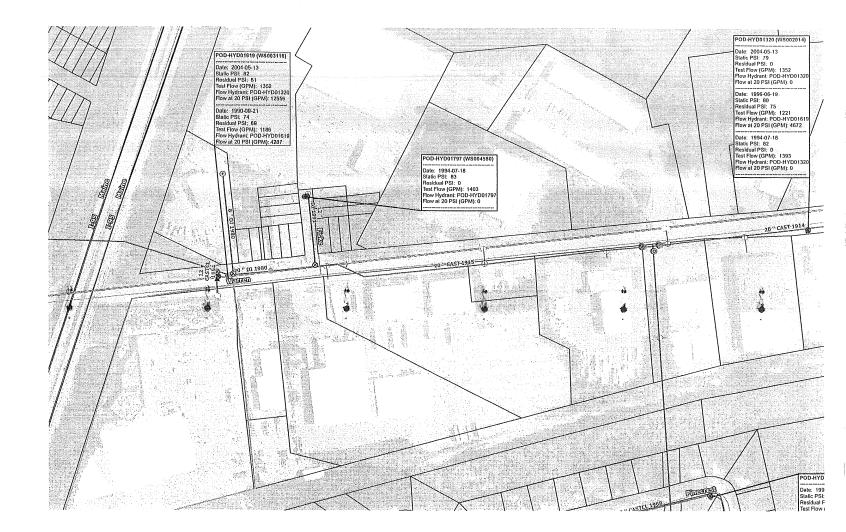
Prior to acceptance of any fire protection system, a complete commissioning and acceptance test must be coordinated with

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).

• • Date: 10-22-2012 Applicant signature:





.

rà

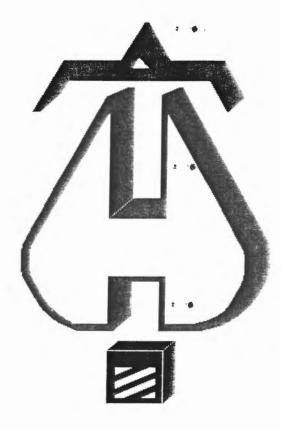
-

Sprinkler Systems, Inc	เรารู่เรา การกราย
P.O. BON 1285	DATE 10-22-12 JOB # 12066
Lewiston, ME 04243-1285	ATTENTION: IN SPECTIONS
TO: CITY OF PORTIONS INSPORTIONS RM 315 CITY HOW 339 CONGRESS ST. PORTIONO, ME 04101	RE: Johigis Appirion SID-SIZ WARLIGN ANONNO PORTIONO ME
WE ARE SENDING YOU: Attached Under separa	te cover via the following items:
Shop drawings Prints Plans Samp	oles Specifications Wavier or Liens
Copy of letter Change order Signed Contracts	P-10 CALLS & PBAMIT CHUCK
COPIES DATE NO.	DESCRIPTION

COPIES	DALE	NO.	DESCRIPTION
1 c	9-19-12	lor	SPRINKIG Stop DROWING
le	9-19-12	TINS	HYPRAULIC COLCULATIONS POCKALO
10	9-19-12	105-1	11×17 Sprinker Drovink
le	9-26-12	10251	STATE OF MAINE FORWIGLER REAMIT
10	10-22-12	-	CITI of POPULANO SAN IN MUCH RAMIT APPLICATION
10	10-9-12	29779	
12	9-13-12	-	PWD Frow Tisst Map.
	10-9-12	28179	\$ 130,00 PORMIT CHOCK (\$11,000)

THESE ARE TRANSMITTED as checked below:

For your approval	Approved as submitted	Resubmitcopies for approval
For your use	Approved as noted	Submit copies for distribution
REMARKS: PLEOSE FERMO 1	PGI-MIT.	
		THANK YOU,
		SLOTE GAMANO, SOTPMS
	SI	GNED: Proj. Myz



. .

÷

... Fire Protection by Computer Design

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

Job Name : JOKER'S ADDITION Building : 2012 ADDITION Location : 510-512 WARREN AVENUE, PORTLAND, MAINE 04103 System : 3 OF 3 Contract : 12066 Data File : 12066JOKERSADDNPTLD1.WXF

2 . .

Fitting	s Used Summary																				
	er Systems Inc. R'S ADDITION																	Pa Da	ige 3 ite 9	3 9-19-20	12
Fitting L Abbrev.		1/2	3/4	1	1¼	11/2	2	21⁄2	3	31⁄2	4	5	6	8	10	12	14	16	18	20	24
E F G T Zac	NFPA 13 90' Standard Elbow NFPA 13 45' Elbow NFPA 13 Gate Valve NFPA 13 90' Flow thru Tee Ames 2000SS	1 1 0 3 Fittir	2 1 0 4 ng gener	2 1 0 5 rates a F	3 1 0 6 ixed Los	4 2 0 8 ss Based	5 2 1 10 d on Flov	6 3 1 12 W	7 3 1 15	8 3 1 17	10 4 2 20	12 5 2 25	14 7 3 30	18 9 4 35	22 11 5 50	27 13 6 60	35 17 7 71	40 19 8 81	45 21 10 91	50 24 11 101	61 28 13 121

••

.

н

.

•

2

Units Summary

۲

Diameter Units	Inches
Length Units	Feet
Flow Units	US Gallons per Minute
Pressure Units	Pounds per Square Inch

۰

..

.

Final Calculations - Hazen-Williams

Sprinkler Systems Inc. JOKER'S ADDITION

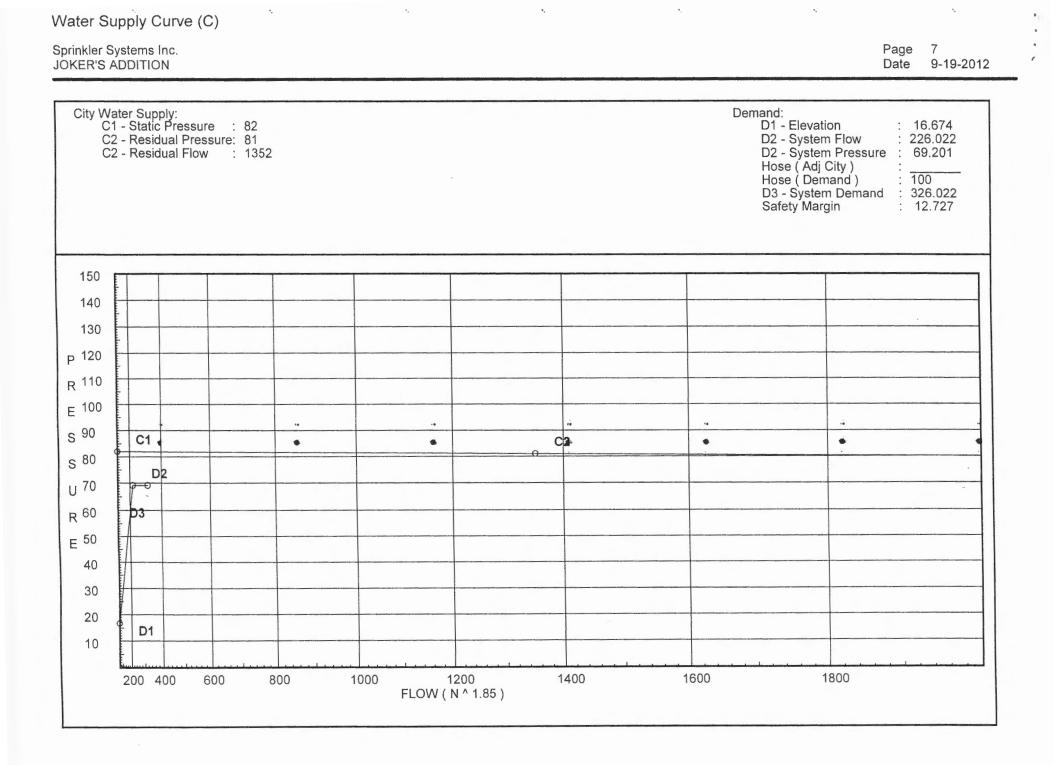
.

Page 5 Date 9-19-2012

JOKER'S	ADDITION						Dat	e 9-19-	2012
Hyd. Ref. Point	Qa Dia. "C" Qt Pf/Ft	Fittir o Eqv.	r	Pipe Ftng's Total	Pt Pe Pf	Pt Pv Pn	*****	Notes	*****
				1	z ()				
1	16.67 1.442		0.0	13.333	8.862		K Factor =	= 5.60	
to 2	100.0 16.67 0.0277		0.0 0.0	0.0	0.487 0.369		Vel = 3.2	7	
2	17.46 1.442		0.0	13.333	9.718		K Factor =		
to	100.0		0.0	0.0	0.487				
3	34.13 0.1040		0.0	13.333	1.387		Vel = 6.7		
3	19.06 1.442 100.0		0.0 0.0	13.333 0.0 ะ	11.592 . 0.487		K Factor =	5.60	
to 4	53.19 0.2366		0.0	13.333	3.154		Vel = 10.4	45	
4	21.86 1.442	1E	2.652	14.417	15.233		K Factor =		
to	100.0		0.0	2.652	0.523				
AT	75.05 0.4471	···· · ·····	0.0	17.069	7.631		Vel = 14.	74	
AT	0.0 1.442 100.0	1T	5.304 0.0	4.417 5.304	23.387 1.949				
to A	75.05 0.4471		0.0	9.721	4.346		Vel = 14.7	74	
	0.0								
	75.05			*	29.682		K Factor =	13.78	
5	16.71 1.442		0.0	13.333	8.902		K Factor =	5.60	
to	100.0		0.0	0.0	0.487		N/-1 - 0.0	0	
6	16.71 0.0278		0.0	13.333	0.370		Vel = 3.2		-
6 to	17.49 1.442 100.0		0.0 0.0	13.333 0.0	9.759 0.487		K Factor =	5.60	
7	34.2 0.1045		0.0	13.333	1.393		Vei = 6.7	2	
7	19.11 1.442		0.0	13.333	11.639		K Factor =	5.60	
to	100.0		0.0	0.0 *	• 0.487			-	
8	53.31 0.2375	45	0.0	13.333	3.166		Vel = 10.4		
8 to	21.90 1.442 100.0	1E	2.652 0.0	14.417 2.652	15.292 0.523		K Factor =	5.60	
BT	75.21 0.4488		0.0	17.069	7.661		Vel = 14.7	8	
BT	0.0 1.442	1T	5.304	4.417	23.476				
0	100.0		0.0	5.304	1.967				
В	75.21 0.4488		0.0	9.721	4.363		Vel = 14.7	8	
	0.0 75.21			*	29.806		K Factor =	13 78	
9	16.84 1.442		0.0	13.333	9.045		K Factor =		A
0	100.0		0.0	0.0	0.487		it i dotor	0.00	
10	16.84 0.0282		0.0	13.333	0.376		Vel = 3.31		
10	17.63 1.442		0.0	13.333	9.908		K Factor =	5.60	
0	100.0 34.47 0.1061		0.0 0.0	0.0 13.333	0.487 1.414		Vel = 6.77	,	
11 11	<u>34.47 0.1061</u> 19.24 1.442		0.0	13.333	11.809		K Factor =		
0	19.24 1.442		0.0	0.0	• 0.487		R actor -	0.00	
12	53.71 0.2408		0.0	13.333	3.210		Vel = 10.5	5	
12	22.06 1.442	1E	2.652	14.417	15.506		K Factor =	5.60	
0	100.0		0.0	2.652	0.523		Vol - 14.00		
CT	75.77 0.4550	4 -	0.0	17.069	7.767		Vel = 14.89	2	
CT o	0.0 1.442 100.0	1T	5.304 0.0	4.417 5.304	23.796 1.985				
C	75.77 0.4550		0.0	9.721	4.423		Vel = 14.89	9	

t 🌒 -

T 🖗 🖓



Computer Programs by Hydratec Inc. Route 111 Windham N.H. USA 03087



State of Maine Department of Public Safety Fire Sprinkler System Permit



10251

Joker's Addition

Located at:510-512 Warren AveIn the Town of:PortlandOccupancy/Use:Indoor Sports FacilityType 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 # **2121443**, 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 9/26/2012 for a fee paid of \$108.00

This permit will expire at midnight on Monday, March 25, 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.

olm & monio

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 Signature:**

RMS for this job: Garland Scott E.

