

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that SPRINKLER SYSTEMS INC.
of PO Box 1285, Lewiston, Maine 04243

For installation at 71 BEDFORD ST
Masterton Hall

Job ID: 2011-08-1854-FAFS

CBL: 114 - A - A - 001 - - - -

has permission to renovate the 1st & 3rd floor sprinkler system

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes 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

Bj. [Signature] (58)

Fire Prevention Officer

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.**

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: 2011-08-1854-FAFS
renovate the 1st & 3rd floor sprinkler
system

For installation at:
71 Bedford St
Masterton Hall

CBL: 114 - A - A - 001 - 001 - - - -

Conditions of Approval:

Fire

Application requires State Fire Marshal approval.

The sprinkler system shall be installed in accordance with NFPA 13.

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 Knox locking caps on all Fire Department Connections 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.

Installation of a sprinkler or fire alarm system requires a Knox Box to be installed per city ordinance.



Water-Based Fire Suppression System Permit

USM Overlay

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: 71 Bedford Street CBL. 14A-A-1

Exact location: (within structure) 1st & 3rd Floors

Type of occupancy(s) (NFPA & ICC): Educational - Light Hazard

Building owner: University of Southern Maine

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

Supervisor phone: 207-775-1521 E-mail: scottssi@maine.rr.com

Installing contractor: Sprinkler Systems Inc. License No: 093

Contractor phone: 207-782-0104 E-mail: same as above

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: 2007

*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: \$2,000.00
PERMIT FEE: \$40.00
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

RECEIVED

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: [Signature] Date: 7-28-2011

11.8.8

Sprinkler Systems, Inc.

P.O. Box 1285

Lewiston, ME 04243-1285

Letter of Transmittal

DATE	7-29-11	JOB #	11044
ATTENTION:	INSPECTIONS / FD		
RE:	USM SIMULATION LABORATORY RENOV 71 BOSTON ST. PORTLAND ME		

TO: CITY OF PORTLAND
BUILDING INSPECTIONS, RM 315
309 CONGRESS 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 PERMIT CHECK, COPIES

COPIES	DATE	NO.	DESCRIPTION
1c	6-27-11	1 of 1	SPRINKLER SHOP DRAWING
1c	6-27-11	1 of 1	11 X 17 SPRINKLER SHOP DRAWING
1c	8-16-10	1 of 1	WATER FLOW TEST MAP FROM PWD
1c	6-30-11	956	STATE OF MAINE SPRINKLER PERMIT
1c	-	-	CITY OF PORTLAND SPRINKLER PERMIT APPLICATION
1c	2-3-11	25356	PAO PERMIT CHECK

THESE ARE TRANSMITTED as checked below:

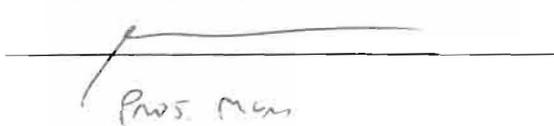
- For your approval Approved as submitted Resubmit _____ copies for approval
 For your use Approved as noted Submit _____ copies for distribution

REMARKS:

PLEASE RETURN 1 PERMIT, PLEASE FORWARD PACKAGE TO PORTLAND FIRE DEPT.

THANK YOU,
SCOTT E. GARLAND, SJS, PWS

SIGNED:


PWS. ME



State of Maine
Department of Public Safety



Fire Sprinkler System Permit

9566

USM Simulation Lab

Located at: 71 Bedford Street
In the Town of: Portland
Occupancy/Use: Offices / Classrooms
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 # 2111225, 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, or other pertinent legal restrictions. This permit shall be displayed at the construction site or be made readily available.

This permit was issued on 6/30/2011 for a fee paid of \$100.00
This permit will expire at midnight on Tuesday, December 27, 2011

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: _____

POD-HYD01123
 WS# 003816
 Forest Ave @ Fenwick St
 Date. 6-17-1991
 Static. 93 psi
 Pitot: 60 psi
 Flow: 1155 gpm



1 inch = 100 feet

PORTLAND WATER DISTRICT
 225 Douglass Street
 Portland, ME 04104

Drawn By: DPW
 Date: 8-16-2010

Scale: As Noted

334 Forest Avenue
Portland

Disclaimer: This map is suitable for preliminary study and analysis and is based on PWD record information. PWD is not liable for any damages whatsoever resulting from inaccurate data or from errors made in the location and marking of its infrastructure.

Prepared for:
 Sprinkler Systems, Inc.

Sheet No. 1 of 1



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

_____ 10/29 2011 _____

Received from _____

Location of Work _____

Cost of Construction \$ _____ Building Fee: _____

Permit Fee \$ _____ Site Fee: _____

Certificate of Occupancy Fee: _____

Total: _____

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other _____

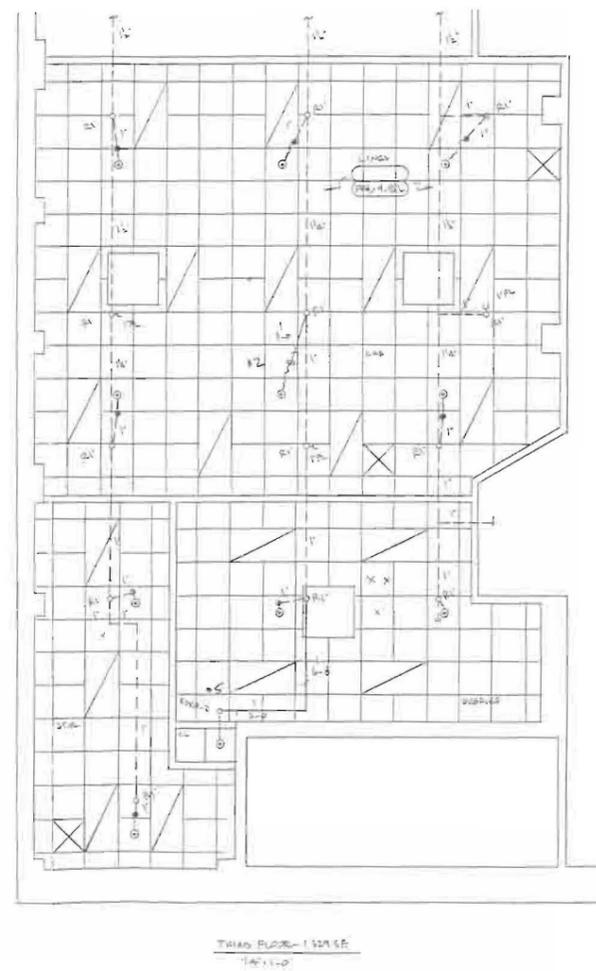
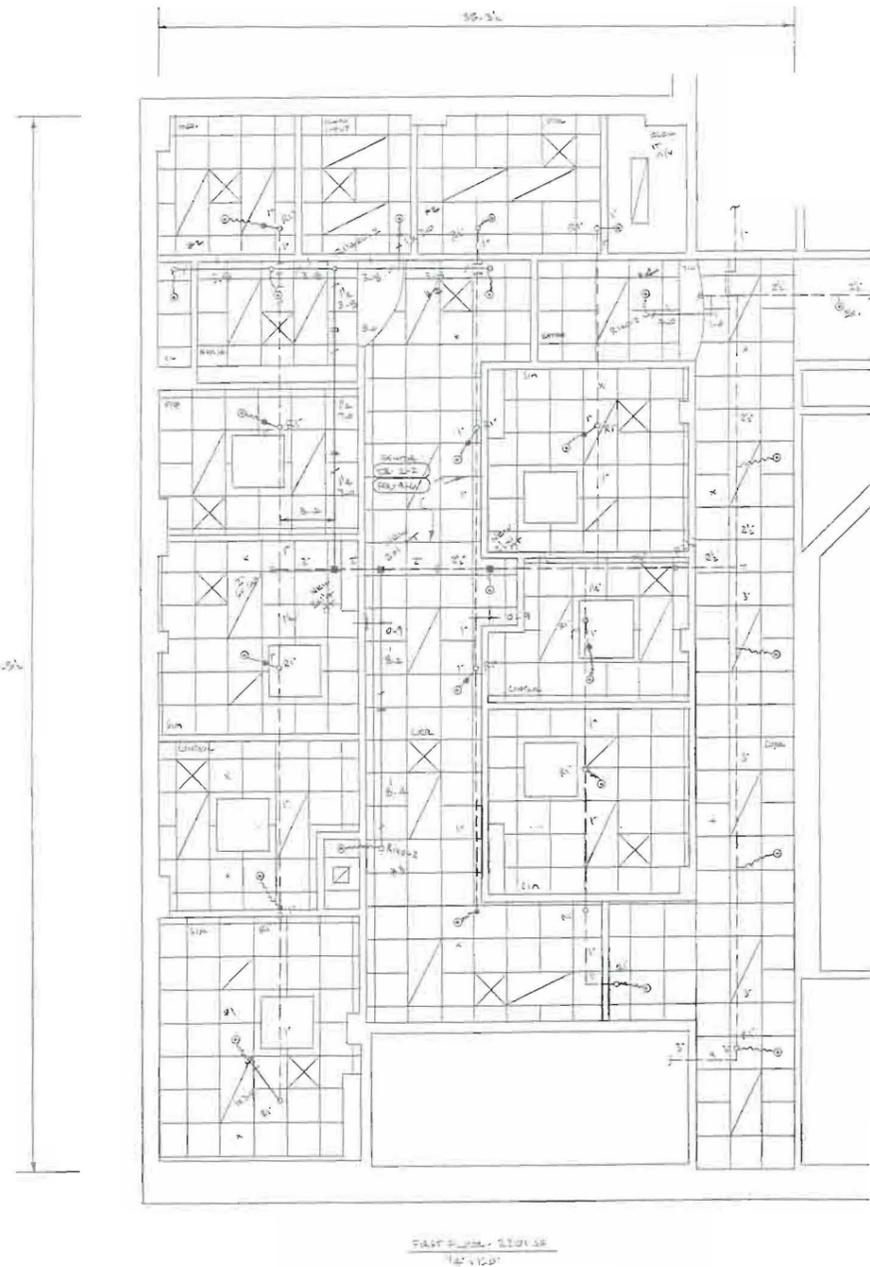
CBL: _____

Check #: _____ Total Collected \$ _____

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: _____

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy



LEGEND

- EXISTING PIPE TO REMAIN
- MECHANICAL TEE
- SPRINKLER AS SHOWN
- PREFERRED SPRINKLER ON 1" PLUM HEAD

ALL SPRINKLERS TO BE LOCATED IN EXACT CENTER OF CEILING TILES.



HYDRAULIC DESIGN CRITERIA

Design: 1.5" x 1/2"

Alarm Area: 1000 sq ft

K Factor: 5.0 Head Size: 1.5"

Flow Allowance: 100 GPM

Water Supply: W11111

Static: 35 PSI

Residual: 20 PSI

Water Flowing: 1050 GPM

Size of Supply: 12" x 12"

CIRCLE HANGER TYPE TO BE USED

HANGERS

Symbol	Description
(Symbol)	NEW HANGER

ABBREVIATIONS

A	Section of Room
B	Section of Deck
P	Section of Pipe
H	Head Size
W x C	Width and Clear
W x L	Width and Length
H x L	Height and Length
H x W	Height and Width
L x W	Length and Width
L x H	Length and Height
W x H	Width and Height
W x L x H	Width, Length, and Height
W x L x H x D	Width, Length, Height, and Depth
W x L x H x D x T	Width, Length, Height, Depth, and Thickness
W x L x H x D x T x S	Width, Length, Height, Depth, Thickness, and Slope
W x L x H x D x T x S x R	Width, Length, Height, Depth, Thickness, Slope, and Radius
W x L x H x D x T x S x R x C	Width, Length, Height, Depth, Thickness, Slope, Radius, and Color
W x L x H x D x T x S x R x C x M	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, and Material
W x L x H x D x T x S x R x C x M x F	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, and Finish
W x L x H x D x T x S x R x C x M x F x P	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, and Price
W x L x H x D x T x S x R x C x M x F x P x V	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, and Volume
W x L x H x D x T x S x R x C x M x F x P x V x A	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, and Area
W x L x H x D x T x S x R x C x M x F x P x V x A x I	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, and Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, and Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, and Section Modulus
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, and Polar Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, and Torsion
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, and Mass
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, and Moment of Inertia
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W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, and Area Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, and Mass Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, and Area Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S x T	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, and Mass Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S x T x U	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, and Area Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S x T x U x V	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, and Mass Moment of Inertia
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W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S x T x U x V x W x X x Y	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, and Area Moment of Inertia
W x L x H x D x T x S x R x C x M x F x P x V x A x I x J x K x L x M x N x O x P x Q x R x S x T x U x V x W x X x Y x Z	Width, Length, Height, Depth, Thickness, Slope, Radius, Color, Material, Finish, Price, Volume, Area, Inertia, Moment of Inertia, Section Modulus, Polar Moment of Inertia, Torsion, Mass, Moment of Inertia, Polar Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, Area Moment of Inertia, Mass Moment of Inertia, and Area Moment of Inertia

SPRINKLER HEAD LEGEND

SYMBOL	MAKE	MODEL	FINISH	TYPE	TEMP	IN P.T.	DRIFICE	K-FACTOR	TOTAL
(Symbol)	RAJAPOL	PKL	SAFTE	150°	1 1/2"	1 1/2"	5.0	10	
(Symbol)	SAFETY			150°	1 1/2"	1 1/2"	5.0	1	
TOTALS									10

SUBMITTALS

SENT TO	DATE RECEIVED
ISO	<input type="checkbox"/>
PM	<input type="checkbox"/>
LM	<input type="checkbox"/>
TR	<input type="checkbox"/>
LA	<input type="checkbox"/>
STATE FIRE	<input type="checkbox"/>
LOCAL FIRE	<input type="checkbox"/>
LOCAL WATER	<input type="checkbox"/>
CONTRACTOR	<input type="checkbox"/>

LICENSE #035 PERMIT #
RMS #278

P.O. BOX 1288
LEWISTON MAINE
04240

USM SIMULATION LABORATORY
71 BEDFORD STREET
PORTLAND, MAINE 04101

CONTRACT WITH CM/CMINO CONST

SYSTEM TYPE	REVISIONS
WET	<input type="checkbox"/>
DRY	<input type="checkbox"/>
DELUGE	<input type="checkbox"/>
PREACTION	<input type="checkbox"/>
ME LIFE	<input type="checkbox"/>

SCALE 1/4" = 1'-0"

DRAWN BY SEG

CHECKED BY SEG

DATE 6-27-11

TOTAL SPRKS ON JOB 36

SHEET # 1 OF 1

JOB # 11044