

# Protection Professionals

## FIRE ALARM AND EMERGENCY COMMUNICATION SYSTEM

### RECORD OF COMPLETION

#### 1. PROPERTY INFORMATION

Name of property: CREMA COFFEE  
Address: 9 COMMERCIAL STREET PORTLAND MAINE 04102  
Description of property: SINGLE LEVEL BRICK AND WOOD STRUCTURE  
Occupancy type: MERCANTILE  
Name of property representative: JOHN WALSH  
Address:  
Phone: 207-767-8038 Fax: E-mail:  
Authority having jurisdiction over this property: PORTLAND FIRE DEPARTMENT  
Phone: 207-874-8576 Fax: E-mail:

#### 2. INSTALLATION, SERVICE, AND TESTING CONTRACTOR INFORMATION

Installation contractor for this equipment: Protection Professionals  
Address: 325 US Route One, Falmouth, ME 04105  
License or certification number:  
Phone: 207-775-5755 Fax: 207-781-2064 E-mail: mail@protectionprofessionals.net  
Service organization for this equipment: Protection Professionals  
Address: 325 US Route One, Falmouth, ME 04105  
License or certification number:  
Phone: 207-775-5755 Fax: 207-781-2064 E-mail: mail@protectionprofessionals.net  
A contract for test and inspection in accordance with NFPA standards is in effect as of:  
Contracted testing company: Protection Professionals  
Address: 325 US Route One, Falmouth, ME 04105  
Phone: 207-775-5755 Fax: 207-781-2064 E-mail: mail@protectionprofessionals.net  
Contract expires: Contract number: Frequency of routine inspections: 1 / Year

#### 3. DESCRIPTION OF SYSTEM OR SERVICE

- Fire alarm system (nonvoice)  
 Fire alarm with in-building fire emergency voice alarm communication system (EVACS)  
 Mass notification system (MNS)  
 Combination system, with the following components:  
 Fire alarm  EVACS  MNS  Two-way, in-building, emergency communication system  
 Other (specify):

NFPA 72, Fig. 10.18.2.1.1 (p. 1 of 12)

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## 3. DESCRIPTION OF SYSTEM OR SERVICE (continued)

NFPA 72 edition: 2010 Additional description of system(s):

### 3.1 Control Unit

Manufacturer: FARADAY Model number: MPC-6000

### 3.2 Mass Notification System

This system does not incorporate an MNS

#### 3.2.1 System Type:

In-building MNS—combination

In-building MNS—stand-alone  Wide-area MNS  Distributed recipient MNS

Other (specify):

#### 3.2.2 System Features:

Combination fire alarm/MNS  MNS autonomous control unit  Wide-area MNS to regional national alerting interface

Local operating console (LOC)  Direct recipient MNS (DRMNS)  Wide-area MNS to DRMNS interface

Wide-area MNS to high-power speaker array (HPSA) interface  In-building MNS to wide-area MNS interface

Other (specify):

### 3.3 System Documentation

An owner's manual, a copy of the manufacturer's instructions, a written sequence of operation, and a copy of the numbered record drawings are stored on site. Location: fire alarm document cabinet

### 3.4 System Software

This system does not have alterable site-specific software.

Operating system (executive) software revision level: 7.07

Site-specific software revision date: N/A Revision completed by: N/A

A copy of the site-specific software is stored on site. Location: PANEL BACKUP

### 3.5 Off-Premises Signal Transmission

This system does not have off-premises transmission.

Name of organization receiving alarm signals with phone numbers:

Alarm: Phone: 1-800-932-3822

Supervisory: Phone: 1-800-932-3822

Trouble: Phone: 1-

Entity to which alarms are retransmitted: PORTLAND FIRE DEPARTMENT Phone:

Method of retransmission:

If Chapter 26, specify the means of transmission from the protected premises to the supervising station:

If Chapter 27, specify the type of auxiliary alarm system:  Local energy  Shunt  Wired  Wireless

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## 4. CIRCUITS AND PATHWAYS

### 4.1 Signaling Line Pathways

#### 4.1.1 Pathways Class Designations and Survivability

Pathways class: B Survivability level: 0 Quantity: 1  
(See NFPA 72, Sections 12.3 and 12.4)

#### 4.1.2 Pathways Utilizing Two or More Media

Quantity: N/A Description: N/A

#### 4.1.3 Device Power Pathways

- No separate power pathways from the signaling line pathway
- Power pathways are separate but of the same pathway classification as the signaling line pathway
- Power pathways are separate and different classification from the signaling line pathway

#### 4.1.4 Isolation Modules

Quantity: 2

### 4.2 Alarm Initiating Device Pathways

#### 4.2.1 Pathways Class Designations and Survivability

Pathways class: N/A Survivability level: N/A Quantity: N/A  
(See NFPA 72, Sections 12.3 and 12.4)

#### 4.2.2 Pathways Utilizing Two or More Media

Quantity: N/A Description: N/A

#### 4.2.3 Device Power Pathways

- No separate power pathways from the initiating device pathway
- Power pathways are separate but of the same pathway classification as the initiating device pathway
- Power pathways are separate and different classification from the initiating device pathway

### 4.3 Non-Voice Audible System Pathways

#### 4.3.1 Pathways Class Designations and Survivability

Pathways class: B Survivability level: 0 Quantity: 2  
(See NFPA 72, Sections 12.3 and 12.4)

#### 4.3.2 Pathways Utilizing Two or More Media

Quantity: N/A Description: N/A

#### 4.3.3 Device Power Pathways

- No separate power pathways from the notification appliance pathway
- Power pathways are separate but of the same pathway classification as the notification appliance pathway
- Power pathways are separate and different classification from the notification appliance pathway

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## 5. ALARM INITIATING DEVICES

### 5.1 Manual Initiating Devices

#### 5.1.1 Manual Fire Alarm Boxes

This system does not have manual fire alarm boxes.

Type and number of devices: Addressable: 3 Conventional: Coded: N/A Transmitter: N/A

Other (specify): N/A

#### 5.1.2 Other Alarm Boxes

This system does not have other alarm boxes.

Description: N/A

Type and number of devices: Addressable: N/A Conventional: N/A Coded: N/A Transmitter: N/A

Other (specify): N/A

### 5.2 Automatic Initiating Devices

#### 5.2.1 Smoke Detectors

This system does not have smoke detectors.

Type and number of devices: Addressable: 5 Conventional:

Other (specify): N/A

Type of coverage:  Complete area  Partial area  Nonrequired partial area

Other (specify): N/A

Type of smoke detector sensing technology:  Ionization  Photoelectric  Multicriteria  Aspirating  Beam

Other (specify): N/A

#### 5.2.2 Duct Smoke Detectors

This system does not have alarm-causing duct smoke detectors.

Type and number of devices: Addressable: N/A Conventional: N/A

Other (specify): N/A

Type of coverage: N/A

Type of smoke detector sensing technology:  Ionization  Photoelectric  Aspirating  Beam

#### 5.2.3 Radiant Energy (Flame) Detectors

This system does not have radiant energy detectors.

Type and number of devices: Addressable: N/A Conventional: N/A

Other (specify): N/A

Type of coverage: N/A

#### 5.2.4 Gas Detectors

This system does not have gas detectors.

Type of detector(s): N/A

Number of devices: Addressable: N/A Conventional: N/A

Type of coverage: N/A

#### 5.2.5 Heat Detectors

This system does not have heat detectors.

Type and number of devices: Addressable: 8 Conventional:

Type of coverage:  Complete area  Partial area  Nonrequired partial area  Linear  Spot

Type of heat detector sensing technology:  Fixed temperature  Rate-of-rise  Rate compensated

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## 5. ALARM INITIATING DEVICES (continued)

### 5.2.6 Addressable Monitoring Modules

This system does not have monitoring modules.

Number of devices: 3

### 5.2.7 Waterflow Alarm Devices

This system does not have waterflow alarm devices.

Type and number of devices: Addressable: \_\_\_\_\_ Conventional: \_\_\_\_\_ Coded: N/A Transmitter: N/A

### 5.2.8 Alarm Verification

This system does not incorporate alarm verification.

Number of devices subject to alarm verification: N/A Alarm verification set for: N/A seconds

### 5.2.9 Presignal

This system does not incorporate pre-signal.

Number of devices subject to presignal: N/A

Describe presignal functions: N/A

### 5.2.10 Positive Alarm Sequence (PAS)

This system does not incorporate PAS.

Describe PAS: N/A

### 5.2.11 Other Initiating Devices

This system does not have other initiating devices.

Describe: N/A

## 6. SUPERVISORY SIGNAL-INITIATING DEVICES

### 6.1 Sprinkler System Supervisory Devices

This system does not have sprinkler supervisory devices.

Type and number of devices: Addressable: \_\_\_\_\_ Conventional: \_\_\_\_\_ Coded: N/A Transmitter: N/A

Other (specify): N/A

### 6.2 Fire Pump Description and Supervisory Devices

This system does not have a fire pump.

Type fire pump:  Electric pump  Engine

Type and number of devices: Addressable: N/A Conventional: N/A Coded: N/A Transmitter: N/A

Other (specify): N/A

#### 6.2.1 Fire Pump Functions Supervised

Power  Running  Phase reversal  Selector switch not in auto  Engine or control panel trouble  Low fuel

Other (specify): N/A

### 6.3 Duct Smoke Detectors (DSDs)

This system does not have DSDs causing supervisory signals.

Type and number of devices: Addressable: 2 Conventional: \_\_\_\_\_

Other (specify): N/A

Type of coverage: N/A

Type of smoke detector sensing technology:  Ionization  Photoelectric  Aspirating  Beam

### 6.4 Other Supervisory Devices

This system does not have other supervisory devices.

Describe: N/A

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## 7. MONITORED SYSTEMS

### 7.1 Engine-Driven Generator

This system does not have a generator.

#### 7.1.1 Generator Functions Supervised

Engine or control panel trouble     Generator running     Selector switch not in auto     Low fuel

Other (specify): N/A

### 7.2 Special Hazard Suppression Systems

This system does not monitor special hazard systems.

Description of special hazard system(s): KITCHEN HOOD SYSTEM

### 7.3 Other Monitoring Systems

This system does not monitor other systems.

Description of special hazard system(s): N/A

## 8. ANNUNCIATORS

This system does not have annunciators.

### 8.1 Location and Description of Annunciators

Location 1: N/A

Location 2: N/A

Location 3: N/A

## 9. ALARM NOTIFICATION APPLIANCES

### 9.1 In-Building Fire Emergency Voice Alarm Communication System

This system does not have an EVACS.

Number of single voice alarm channels: N/A

Number of multiple voice alarm channels: N/A

Number of speakers: N/A

Number of speaker circuits: N/A

Location of amplification and sound-processing equipment: N/A

Location of paging microphone stations:

Location 1: N/A

Location 2: N/A

Location 3: N/A

### 9.2 Nonvoice Notification Appliances

This system does not have nonvoice notification appliances.

Horns: 6

With visible: 6

Bells: N/A

With visible: N/A

Chimes: N/A

With visible: N/A

Visible only: 1

Other (describe): N/A

### 9.3 Notification Appliance Power Extender Panels

This system does not have power extender panels.

Quantity:

Locations:

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## 10. MASS NOTIFICATION CONTROLS, APPLIANCES, AND CIRCUITS This system does not have an MNS.

### 10.1 MNS Local Operating Consoles

Location 1: N/A

Location 2: N/A

Location 3: N/A

### 10.2 High-Power Speaker Arrays

Number of HPSA speaker initiation zones: N/A

Location 1: N/A

Location 2: N/A

Location 3: N/A

### 10.3 Mass Notification Devices

Combination fire alarm/MNS visible appliances: N/A

MNS-only visible appliances: N/A

Textual signs: N/A

Other (describe): N/A

Supervision class: N/A

#### 10.3.1 Special Hazard Notification

This system does not have special suppression predischarge notification.

MNS systems DO NOT override notification appliances required to provide special suppression predischarge notification.

## 11. TWO-WAY EMERGENCY COMMUNICATION SYSTEMS

### 11.1 Telephone System

This system does not have a two-way telephone system.

Number of telephone jacks installed: N/A

Number of warden stations installed: N/A

Number of telephone handsets stored on site: N/A

Type of telephone system installed:  Electrically powered  Sound powered

### 11.2 Two-Way Radio Communications Enhancement System

This system does not have a two-way radio communications enhancement system.

Percentage of area covered by two-way radio service: Critical areas: N/A % General building areas: N/A %

Amplification component locations: N/A

Inbound signal strength: N/A

dBm

Outbound signal strength: N/A

dBm

Donor antenna isolation is: N/A

dB above the signal booster gain

Radio frequencies covered: N/A

Radio system monitor panel location: N/A

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## 11. TWO-WAY EMERGENCY COMMUNICATION SYSTEMS (continued)

### 11.3 Area of Refuge (Area of Rescue Assistance) Emergency Communications Systems

This system does not have an area of refuge (area of rescue assistance) emergency communications system.

Number of stations: N/A Location of central control point: N/A

Days and hours when central control point is attended: N/A

Location of alternate control point: N/A

Days and hours when alternate control point is attended: N/A

### 11.4 Elevator Emergency Communications Systems

This system does not have an elevator emergency communications system.

Number of elevators with stations: N/A Location of central control point: N/A

Days and hours when central control point is attended: N/A

Location of alternate control point: N/A

Days and hours when alternate control point is attended: N/A

### 11.5 Other Two-Way Communication Systems

Describe: N/A

## 12. CONTROL FUNCTIONS

This system activates the following control functions:

- Hold-open door releasing devices     Smoke management     HVAC shutdown     F/S dampers  
 Door unlocking     Elevator recall     Fuel source shutdown     Extinguishing agent release  
 Elevator shunt trip     Mass notification system override of fire alarm notification appliances

Other (specify): N/A

### 12.1 Addressable Control Modules

This system does not have control modules.

Number of devices: \_\_\_\_\_

Other (specify): N/A

## 13. SYSTEM POWER

### 13.1 Control Unit

#### 13.1.1 Primary Power

Input voltage of control panel: 120VAC Control panel amps: 2.4AMPS

Overcurrent protection: Type: CRKT BREAKER Amps: 15

Location (of primary supply panel board): HOUSE PANEL 2

Disconnecting means location: CKT 10

#### 13.1.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: N/A

Location of fuel storage: N/A Type of fuel: N/A



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## 13. SYSTEM POWER (continued)

### 13.1.3 Uninterruptible Power System

This system does not have a UPS.

Equipment powered by a UPS system: N/A

Location of UPS system: N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): N/A

In alarm mode (minutes): N/A

### 13.1.4 Batteries

Location: IN PANEL

Type: SLA

Nominal voltage: 24VDC

Amp/hour rating: 12AH

Calculated capacity of batteries to drive the system:

In standby mode (hours): 24 HOURS

In alarm mode (minutes): 5MIN

Batteries are marked with date of manufacture

Battery calculations are attached

## 13.2 In-Building Fire Emergency Voice Alarm Communication System or Mass Notification System

This system does not have an EVACS or MNS system.

### 13.2.1 Primary Power

Input voltage of EVACS or MNS panel: N/A

EVACS or MNS panel amps: N/A

Overcurrent protection: Type: N/A

Amps: N/A

Location (of primary supply panel board): N/A

Disconnecting means location: N/A

### 13.2.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: N/A

Location of fuel storage: N/A

Type of fuel: N/A

### 13.2.3 Uninterruptible Power System

This system does not have a UPS.

Equipment powered by a UPS system: N/A

Location of UPS system: N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): N/A

In alarm mode (minutes): N/A

### 13.2.4 Batteries

Location: N/A

Type: N/A

Nominal voltage: N/A

Amp/hour rating: N/A

Calculated capacity of batteries to drive the system:

In standby mode (hours): N/A

In alarm mode (minutes): N/A

Batteries are marked with date of manufacture

Battery calculations are attached

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## 13. SYSTEM POWER (continued)

### 13.3 Notification Appliance Power Extender Panels

This system does not have power extender panels.

#### 13.3.1 Primary Power

Input voltage of power extender panel(s): N/A

Power extender panel amps: N/A

Overcurrent protection: Type: N/A

Amps: N/A

Location (of primary supply panel board): N/A

Disconnecting means location: N/A

#### 13.3.2 Engine-Driven Generator

This system does not have a generator.

Location of generator: N/A

Location of fuel storage: N/A

Type of fuel: N/A

#### 13.3.3 Uninterruptible Power System

This system does not have a UPS.

Equipment powered by a UPS system: N/A

Location of UPS system: N/A

Calculated capacity of UPS batteries to drive the system components connected to it:

In standby mode (hours): N/A

In alarm mode (minutes): N/A

#### 13.3.4 Batteries

Location: N/A Type: N/A

Nominal voltage: N/A

Amp/hour rating: N/AN/A

Calculated capacity of batteries to drive the system:

In standby mode (hours):

In alarm mode (minutes): N/A

Batteries are marked with date of manufacture

Battery calculations are attached

## 14. RECORD OF SYSTEM INSTALLATION

Fill out after all installation is complete and wiring has been checked for opens, shorts, ground faults, and improper branching, but before confecting operational acceptance tests.

This is a:  New system  Modification to an existing system Permit number: 2011-12-2947-FAFS

The system has been installed in accordance with the following requirements: (Note any or all that apply.)

NFPA 72, Edition: 2010

NFPA 70, National Electrical Code, Article 760, Edition: 2008

Manufacturer's published instructions

Other (specify): AHJ

System deviations from referenced NFPA standards:

Signed: *Chris Bonney*  
Organization: *Casco Bay Electric*

Printed name: *Chris Bonney*  
Title: *Electrician*

Date: *3/23/2012*  
Phone: *207-221-3331*

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## 15. RECORD OF SYSTEM OPERATIONAL ACCEPTANCE TEST

New system

*All operational features and functions of this system were tested by, or in the presence of, the signer shown below, on the date shown below, and were found to be operating properly in accordance with the requirements for the following:*

Modifications to an existing system

*All newly modified operational features and functions of the system were tested by, or in the presence of, the signer shown below, on the date shown below, and were found to be operating properly in accordance with the requirements of the following:*


NFPA 72, Edition: 2010

NFPA 70, National Electrical Code, Article 760, Edition: 2008

Manufacturer's published instructions

Other (specify): AHJ

Individual device testing documentation [Inspection and Testing Form (Figure 14.6.2.4) is attached]

Signed:  Printed name: JEREMY LAMBERT Date: 3-22-12  
Organization: Protection Professionals Title: technician Phone: 207-775-5755

## 16. CERTIFICATIONS AND APPROVALS

### 16.1 System Installation Contractor:

This system, as specified herein, has been installed and tested according to all NFPA standards cited herein.

Signed: \_\_\_\_\_ Printed name: \_\_\_\_\_ Date: \_\_\_\_\_  
Organization: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

### 16.2 System Service Contractor:

The undersigned has a service contract for this system in effect as of the date shown below.

Signed: \_\_\_\_\_ Printed name: \_\_\_\_\_ Date: \_\_\_\_\_  
Organization: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

### 16.3 Supervising Station:

This system, as specified herein, will be monitored according to all NFPA standards cited herein.

Signed: \_\_\_\_\_ Printed name: \_\_\_\_\_ Date: \_\_\_\_\_  
Organization: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

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## 16. CERTIFICATIONS AND APPROVALS *(continued)*

### 16.4 Property or Owner Representative:

This system, as specified herein, will be monitored according to all NFPA standards cited herein.

Signed: \_\_\_\_\_ Printed name: \_\_\_\_\_ Date: \_\_\_\_\_  
Organization: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

### 16.5 Authority Having Jurisdiction:

I have witnessed a satisfactory acceptance test of this system and find it to be installed and operating properly in accordance with its approved plans and specifications, with its approved sequence of operations, and with all NFPA standards cited herein.

Signed: \_\_\_\_\_ Printed name: \_\_\_\_\_ Date: \_\_\_\_\_  
Organization: \_\_\_\_\_ Title: \_\_\_\_\_ Phone: \_\_\_\_\_

### NOTES:

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