

# AAA FIRE EXTINGUISHER CO.

*"Fire Protection since 1968"*



Reviewed for Code Compliance  
Permitting and Inspections Department  
Approved with Conditions

**05/29/2018**

To: Portland Fire Dept, Fire Prevention, Building inspections  
From: Brian @ AAA Fire Extinguisher Co.  
Date: April 11, 2018  
Ref: Forage Market kitchen system installation

Dear building inspector,

Forage Market 123 Washington Avenue, Portland ME 04101

AAA Fire Extinguisher Company will be installing an Amerex 2.75 kitchen fire suppression system to UL300 specifications in the kitchen exhaust hood. The kitchen system will have nozzles protecting the kitchen hood, and the appliances. The system will have 2 means of actuation, 1 via manual pull release and the other with fusible links. The appliances will shut down automatically once the system has been actuated.

Scheduled installation date May 2018

Thank you

Sincerely,

Brian Grondin  
AAA Fire Extinguisher Co., Inc.

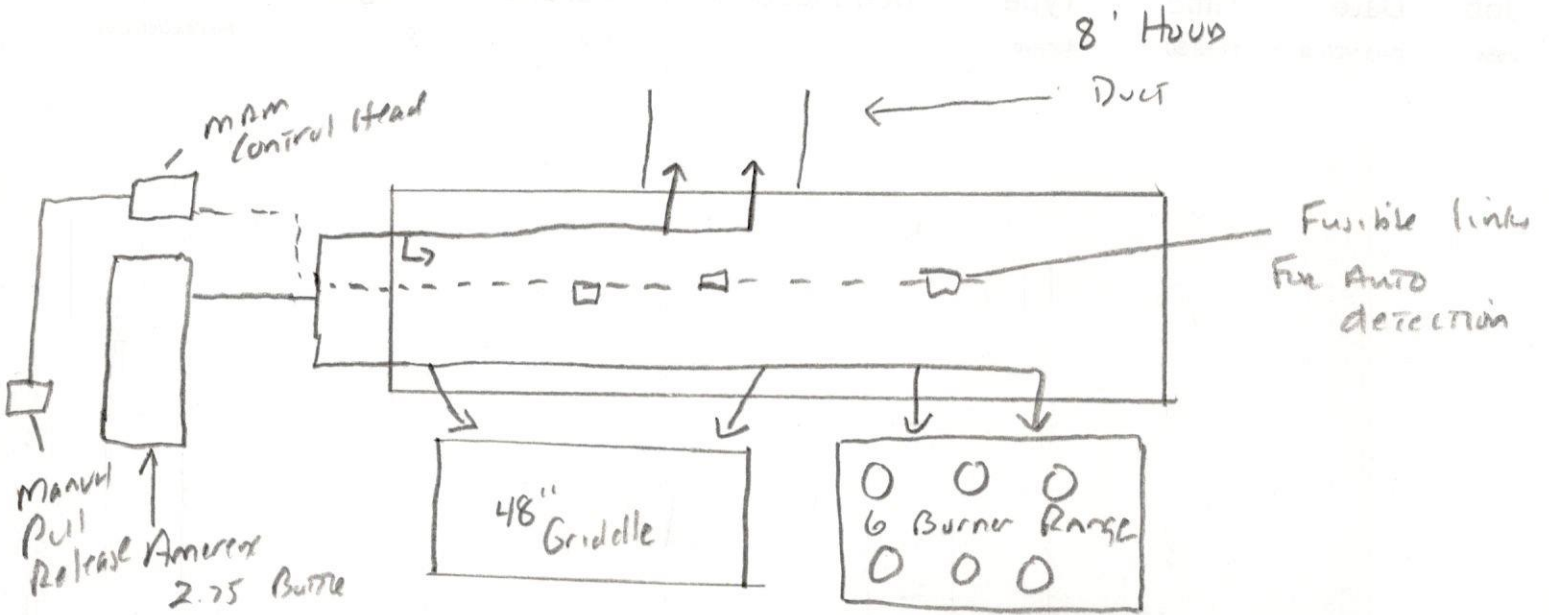


FORAGE MARKET  
123 WASHINGTON ST  
PORTLAND, ME 04104

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Installation done by AAA Fire Extinguisher Co.





Permitting and Inspections Department  
Michael A. Russell, MS, Director

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# Non-Water Based Fire Suppression System Permit Application

A permit is required for non-water based fire suppression systems. Full-sized plans and details in PDF format and this application form shall be submitted to [permitting@portlandmaine.gov](mailto:permitting@portlandmaine.gov). 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 installations must comply with NFPA and the Fire Department Technical Standards.

Construction Address: 123 Washington Avenue, Portland Me

Tax Assessor's CBL:  Chart #  Block #  Lot #

Cost of work: \$2625.00

Exact location (within structure): Kitchen

Type of occupancy (NFPA & ICC): NFPA

Building Owner: Allen Smith (Forage Market)

Managing Supervisor: Brian Grondin

Supervisor phone: 207-784-8306 Supervisor email: brian@aaafireinc.com

Installing Contractor: AAA Fire Extinguisher Co License No.:

Contractor phone: 207-784-8306 Contractor email: brian@aaafireinc.com

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

Is this an amendment to an existing permit?  Yes, Permit No.:   No

System type: UL300

NFPA Standard\*: NFPA17A Edition: 2009

Name of person to contact when permit is ready: Brian Grondin (AAA Fire)

Address: 328 Rodman Road

City, State & Zip: Auburn ME 04210

Phone: 207-784-8306 Email: brian@aaafireinc.com

Separate permits are required for internal and external plumbing and electrical installations. For questions on Fire Department requirements, call the Fire Prevention Officer at (207) 874-8405.



# Fire Suppression Systems

05/29/2018

## Restaurant System Specifications

ITEM #	FIRE SUPPRESSION SYSTEM
Quantity:	Lot, (1)
Spec. Manufacturer:	Amerex Corporation, Phone: (205) 655-3271
Spec. Model No.:	KP Restaurant Fire Suppression System (UL-300)
Pertinent Data:	Pressurized thermal responsive tubing detection system or Mechanical detection utilizing fusible links
Utilities Required:	120V – 1Ph, 20 Amps;

Furnish and set in place as per manufacturer's standard specs and the following:

### GENERAL CONDITIONS:

1. The fire Protection Contractor shall be a Factory Authorized; Factory Trained and State Certified Distributor of the Amerex Corporation general product line. The Fire Protection Contractor must also hold a current Amerex Corporation certificate in a "KP" training program.
2. The Fire Protection Contractor shall maintain a minimum of a 1-Million Dollar Liability Policy to insure all work performed.
3. All installations must meet current UL-300 criteria; the latest NFPA 96 and NFPA17A (wet chemical) guidelines.
4. The fire suppression system shall include a minimum 3-year manufacturer's warranty to cover the entire system. The warranty shall be valid only if the system is installed, serviced and maintained by an Amerex authorized distributor in strict accordance with Amerex Manual No. 12385A.
5. The Fire Protection Contractor shall include a minimum 1-year installation warranty to cover the entire system.
6. The Fire Protection Contractor shall provide as part of the fire suppression system an Amerex mechanically operated BRASS gas valve. GENERIC GAS SHUT-OFF VALVE SHALL NOT BE ACCEPTABLE- The plumbing contractor shall be responsible for the proper installation of the gas valve.
7. The Fire Protection Contractor shall furnish and install all appliance drops to be penetrating through the top of the hood with a UL-approved Quick Seal device and aimed as directed by the Amerex Corporation.
8. All exposed appliance drops shall be chrome-plated.



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9. The General Contractor shall schedule the installation of the recessed remote pull station(s) with the Fire Protection Contractor @ 4'-6" above the finished floor.
10. The Fire Protection Contractor shall provide a dry-contact micro-switch as required to actuate shut-down of the make-up air fan; all energized electrical sources under the hood and signal building fire alarm where fire alarm is present.
11. The fire suppression system's extinguishing agent shall be Amerex KP a liquid fire suppressant, a potassium acetate based solution that suppresses cooking grease fires through both saponification and cooling. The agent shall have a pH of 9 or less and will not harm stainless steel.
12. All related electrical connections and devices shall be provided and installed by the Electrical Contractor.
13. KEC and General Contractor to coordinate with local authorized Amerex Corporation/Fire Protection Specialist for products, installation, and system certification.
14. Unit shall be housed in stainless steel cabinet. Verify drawing for actual location.

#### PRODUCT DATA:

1. The Amerex Corporation "KP" Fire Suppression System is a pre-engineered, fixed, automatic fire suppression system that when pneumatically or mechanically activated discharges a fixed amount of wet chemical agent.
2. The system shall be the pre-engineered type having minimum and maximum guidelines established by the manufacturer and listed by Underwriters Laboratories, Inc. (UL).
3. The manufacturer shall be ISO 9001-2000 registered.
4. The wet chemical agent shall be a specially formulated, aqueous solution of inorganic salts with a pH less than 9 and shall be designed for rapid flame knockdown and foam securement of grease-related fires.
5. Provide all components, including recessed manual pull station(s) as required for a completely operable system.
6. This pre-engineered Amerex Corporation "KP" fire suppression system shall be warranted for not less than three years from the date that it has been certified for use. (See the manufacturer's Limited Warranty for further information)
7. Must meet all applicable federal, state and local laws, rules, regulations and codes.