

## **Request For Quote – Fire Suppression System**

Afton Historical Museum  
3165 St. Croix Trail South  
Afton, MN 55001  
612-720-6478

Sir / Ms., this is a Request For Quote on a grant funded installation of a non-water based, 3M Clean Agent Fire Suppression System for the Afton Historical Museum located in Afton Minnesota (referred to as the “museum”).

### **Description of project:**

The museum has recently renovated our artifact storage room to create an environmentally controlled room with state-of-the-art LED lighting, sealed floors / walls and ceiling. Self-closing sealed fire doors will be installed with emergency egress push bars. This RFQ is for the installation of a fire sensing and delivery system that will sense smoke and fire, and flood the artifact storage room with a fire suppression chemical that once discharged will leave no residue on items in the room.

### **The Team:**

- 1) The company that installs the Fire Suppression System will be referred to as “FSC”.
- 2) The contractor that installs the fire doors will be referred to as the “contractor”.
- 3) The existing monitored smoke and fire company will be referred to as “Tyco”.
- 4) The company that works on the museum’s environmental system will be referred to as “HVAC contractor”.

### **The process:**

- 1) Museum staff will remove any artifacts affected by the project.
- 2) A contractor will install two fire doors.
- 3) The FSC will install a smoke and fire sensing system in the artifact storage room.
- 4) The FSC will install the fire suppression system with the discharge nozzle in the artifact storage room.
- 5) The HVAC contractor will install dampers on the return side of the forced air duct work.
- 6) The HVAC contractor will provide an electrical signal input that will turn off the furnace and close all new and existing dampers.

- 7) Tyco will provide three signal inputs on a new zone of their panel. The signals will be used for: 1 – self test, 2 – first stage of smoke detected, 3 – Clean Agent dispensed.
- 8) The FCS will wire signals from their control panel to the HVAC system and the monitored alarm panel.
- 9) The FCS will demonstrate the system to the museum staff and the Fire Marshal.
- 10) Museum staff will return artifacts to exhibit area.

**Scope of Work:**

The FCS shall:

- 1) Meet with museum staff to plan the layout of the Fire Suppression System' tanks, plumbing and sensors.
- 2) Provide a state-of-the art smoke and fire sensing system.
- 3) Provide the wiring to the Tyco and HVAC panel.
- 4) Provide alarm horns and strobes in the artifact storage room.
- 5) Provide an early warning for staff to exit the artifact storage room in case of fire.
- 6) Install the FCS with a minimal impact on the artifact storage room.
- 7) Provide training to the museum's staff.
- 8) Provide a system demonstration for the museum's staff and fire marshal.
- 9) Provide annual inspection of the Fire Suppression System.

**Schedule:**

This project is funded, resources are in place and project can start immediately.

**Qualifications:**

The company must provide a list of previous projects showing installations of 3M's Clean Agent fire suppression material.

Stan Ross

A handwritten signature in black ink that reads "Stan Ross". The signature is stylized, with the first letters of the first and last names being significantly larger and more prominent than the rest of the letters.

President,

Afton Historical Museum

612-720-6478