



East Contra Costa

Fire Protection District

CA

F.D. Project Number

Date

Description of Work: _____

Project Name: _____ Address: _____ Suite _____

City: _____ Additional Info. _____

Applicant: _____ Address: _____

Contact Person: _____ Phone No. () _____ Lic# / Type _____

City: _____ State: _____ Zip: _____ Email _____

APPLICATION SECTION: DO NOT MARK BELOW THIS LINE

The Fire District has reviewed the proposed **clean agent fire suppression** plans for the project facility. Our review is to insure compliance with the minimum code requirements related to fire and life safety as set forth in the California Fire Code, NFPA 2001 & NFPA 72. The following selected comments shall apply to this project:

- Revise the sequence of operation matrix to include all input/output functions of the system regardless of installation responsibility or specific scope of work. Include 1st alarm 2nd alarm, abort, release, HVAC shutdown, fire-smoke damper activation, emergency power off, building fire alarm activation etc. Where the control panel also serves as releasing for pre-action fire sperinkler, incude these as well.

- Post/verify permanent signage exists on the door(s) leading to the fire alarm control panel stating: "CLEAN AGENT CONTROL PANEL". Letters shall be white in color on a red background. In addition, provide similar signage on all doors leading to remote power supplies or other fire alarm control equipment. (509.1) CFC

- The clean agent fire suppression system shall be connected to the building fire alarm system and monitored for alarm, trouble, and supervisory. Location of clean agent control panel shall be identified via the panel/annunciator display and room name/number. (10.5.8.2 – 10.5.8.4) NFPA 72

- Mechanically protect and label the dedicated circuit breaker(s) serving the fire alarm control panel's primary power as well as remote power supplies. Label all fire alarm control equipment with the location of the electrical panel and associated circuit breaker number on the exterior of the box. (10.5.5.2 – 10.5.5.3) NFPA 72

- Provide additional smoke detectors to account for high air movement rooms. Air changes per hour shall not exceed 60.

- Smoke detectors shall not be installed within 3' to an air supply diffuser or return opening.

(CONTINUED OVER)

Fee computed by: _____

Amount Due: _____

Received by: _____

Amount Received: _____

Cash Credit Check No. _____

Invoice No. _____

- Install a smoke detector at the location of the clean agent control panel.
- Provide warning and instruction signs at entrances to protected rooms.
- Provide automatic closers and seal openings of the protected room to prevent loss of agent. Where confinement is not possible, the design area shall be revised to include all areas. Suspended ceilings are not recommended unless tiles can be secured and will not lift upon agent discharge.
- Protected rooms containing electrical equipment, UPS, data processing, etc. shall be disconnected upon agent release. Where approved by the Fire District, in lieu of automatic power disconnect, an EPO switch for firefighter shall be installed in an approved location outside the protected area. Where the switch is required to be secured, a Knox key-switch is permitted. Provide signage "Emergency Power Disconnect-Fire Dept. Use Only".
- Initiating and releasing circuits shall be installed in conduit. Junction boxes shall be identified and box covers painted red. Notification circuits not installed in conduit shall be plenum rated and supported by building elements every 6' and be protected at penetrations of rated construction or vertically within walls.
- Provide a completed Record of Completion in accordance with NFPA 72 and record (as-built drawings) to the Fire District upon acceptance testing. In addition, provide operating, testing, and maintenance instructions to the owner. Record drawings shall include all field changes and those changes as a result of the requirements contained herein. (907.7.2) CFC (7.18.2) NFPA 72
- Additional comments.

- Contact the Fire District at **925-240-2139** (minimum **two** working days notice required) to schedule final inspection available Monday through Thursday excluding holidays.

On the morning of the inspection, a confirmation telephone call made to the Fire District at 925-240-2139 is necessary between 8:00 and 8:30 AM. Otherwise, the inspection will be cancelled.

Final acceptance is subject to field inspections and necessary tests.

Approval does not relieve the designer / contractor from complying with all applicable fire code requirements, nor does it abrogate the requirements of other authorities having jurisdiction.

- Approved as Submitted.
 Approved with Comments.
 Denied, Resubmittal Required.

Reviewed by: _____ Date: _____