



CONTRA COSTA COUNTY FIRE PROTECTION DISTRICT

CA

F.D. Permit Number

Date

Description of Work: _____

Project Name: _____ Address: _____

Suite: _____ City: _____ Zip: _____

Contractor: _____ Contractor's License/Type #: _____

Address: _____ City: _____ State: _____ Zip: _____

Contact Person: _____ Phone No. (): _____ Email: _____

OFFICE USE ONLY: DO NOT COMPLETE BELOW THIS LINE

The Fire District has reviewed the proposed **clean agent fire suppression** plans for the project facility. Our review is to ensure compliance with the minimum code requirements related to fire and life safety as set forth in the 2022 California Fire Code, 2018 NFPA 2001 and 2022 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 sprinklers, include 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. (CFC 509.1)
- The clean agent fire suppression system shall be connected to the building fire alarm system and monitored for alarm, trouble, and supervisory. Location of the clean agent control panel shall be identified via the panel/annunciator display and room name/number. (NFPA 72 26.2.1)
- 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.
- Provide additional smoke detectors to account for high air movement rooms. Air changes per hour shall not exceed 60. (NFPA 72 17.7.7.3.3.2)
- Smoke detectors shall not be installed within 36" to an air supply or return opening. (NFPA 72 A.17.7.5.1)
- Install a smoke detector at the location of the clean agent control panel.
- Provide warning and instruction signs at the entrances to, and inside of protected rooms. (NFPA 2001 4.3.5.5)

(CONTINUED OVER)

Fee computed by: _____ Amount Due: \$ _____

Received by: _____ Amount Received: \$ _____

Cash Credit Check No. _____ Invoice No. _____

- Provide automatic closures 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. (NFPA 2001 5.3.4)
- 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.
- Initiating and releasing circuits shall be installed in raceways. Other than as permitted in 4.3.1.3.1, alternating current (ac) and direct current (dc) wiring shall not be combined in a common conduit or raceway. (NFPA 2001 4.3.1.3)
- It shall be permitted to combine ac and dc wiring in a common conduit or raceway where shielded and grounded. (NFPA 2001 4.3.1.3.2)
- 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. (CFC 907.7.2 and NFPA 72 7.5.6)
- Additional comments: _____

Approved plans **shall** be onsite at time of inspection. Failure to have approved plans onsite may result in the **cancellation of the inspection**, and a **reinspection fee** being assessed.

Contact the Fire District at **925-941-3300 ext. 3902** (minimum **two** working days' notice required) to schedule an onsite inspection. No inspections will be scheduled on Fridays.

On the morning of the inspection, a confirmation telephone call made to the Fire District at 925-941-3300 is necessary between 8:00 and 8:30 AM. Otherwise, the inspection will be cancelled.

Final acceptance may be subject to field inspections.

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: _____