



Scope of Work M4000

The installation of a Model 4000 Smoke Guard system, below a building atrium or around a stairwell, include the following phases:

Phase 1—Site preparation by general or sub-contractor

NOTE: See shop drawings for details.

1. Provide a level horizontal fire rated header with backing or clear concrete surface for mounting the housing (this system anchors up).
2. Provide a vertical mounting surface within 30 conduit feet for one 18" x 18" x 6" control box, on the right side of the system, see shop drawings for location.
3. For open ended systems, provide a 1 3/4" min 2" max wide fire rated pocket with a 2" wall step for side guides, shown in the shop drawings.
4. If a soffit is going to be dropped down around the system allow a 1" clearance around the outside perimeter of the system. Do not attach finished ceiling to the system.
5. Eliminate any ceiling, plumbing or electrical in the housing and side guide areas. These areas should be clear of all obstructions.
6. Provide temporary power during installation.

Phase 2—Installation by Smoke Guard system installer

1. Layout system with chalk lines onto the mounting surface before installing.
2. Provide and install housing with fire containment curtain.
3. Provide and install side guides.
4. Provide and install one 18" x 18" x 6" Control box in area provided by the General Contractor.
5. Terminate all Low voltage electrical connections at Control station and junction boxes with provided wiring harnesses.
6. Provide appropriate anchors for type of material you're attaching to.

Phase 3—Wiring by electrical contractor

NOTE: See shop drawings for details.

1. Provide UL 268 compliant smoke detector and install end-of-line diode (furnished by Smoke Guard Corporation).
2. Provide all High voltage electrical circuits and conduit for the control station and High voltage junction boxes along the housing, see shop drawings for specific locations.

3. (Optional) Provide wiring and junction box(s) for wall switch(s) that deploy and open the system.
4. Provide service disconnect(s) at all High voltage locations, see shop drawings for locations.

Phase 4—Finish work by general contractor or sub-contractor

5. Provide a bead of fire caulking sealant along the inside and outside perimeter of the system housing.
6. If providing a new ceiling or valance, Do Not attach to housing leaving at least a 1/8" gap around the perimeter.

Phase 5—Responsibilities of the building owner

1. The Smoke Guard system is considered “connected equipment” as defined in NFPA 72. As such, the owner or designated representative shall be responsible for inspecting, functional testing, recording of tests, and maintaining the system. Delegation of responsibility shall be in writing, with a copy made available to the authority having jurisdiction under the provisions of the building code and local ordinances.
2. Testing frequency requires a Visual inspection, functional testing, and maintenance described in this manual must be performed and recorded at intervals not longer than six months, more frequently where required by the authority having jurisdiction.
3. Visual inspection shall ensure that there are no changes that would affect equipment performance—such as building modifications, occupancy hazards, and environmental effects. Smoke Guard recognized personnel must perform any alterations or additions to your system.
4. Acceptance tests shall be performed after system components are added or deleted, after any modification, repair, or adjustment to the system hardware or wiring.