



**SMOKE GUARD®** *system*

## Model 4000

### Perimeter Curtain



**System Description.** The Smoke Guard **Model 4000 Perimeter (M4000)** is a code-compliant fire-rated assembly designed to function as a vertically deploying opening protective requiring no corner posts. This perimeter curtain may be configured in a closed, box-like, condition or in a multi-faceted open-ended configuration with or without side-guide captures. The curtain panel angle may vary from 30°-150°. The **M4000** features fire-rated pleated curtain mounted within a steel housing. The curtain assembly can be equipped with an obstruction sensor in the bottom pan to detect impediments to the deploying screen. **M4000** comes in a standard galvanized finish. RAL powder coat color options are available.

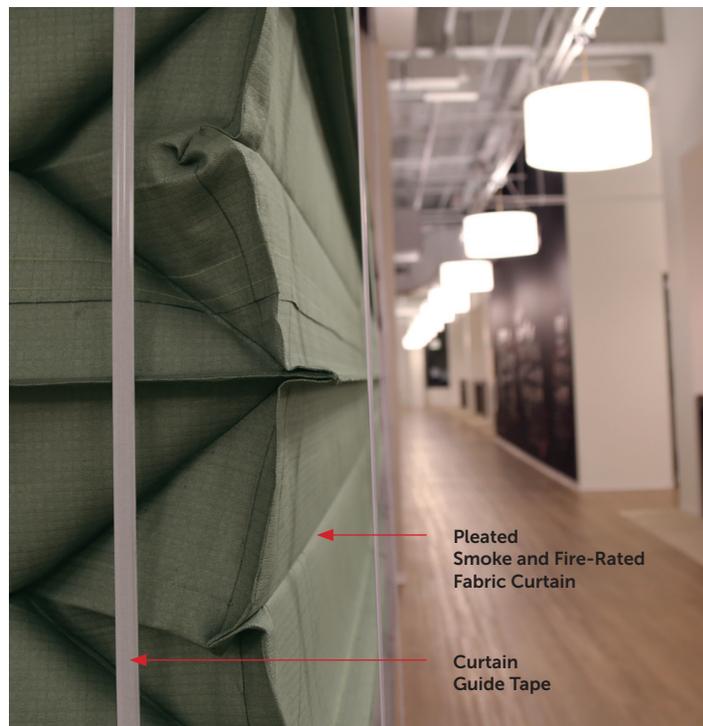
#### Dimensions

- Headbox: 19 <sup>3</sup>/<sub>8</sub>" deep by 9" high
- Openings up to 15' in drop length and 220' linear wide

#### Standards

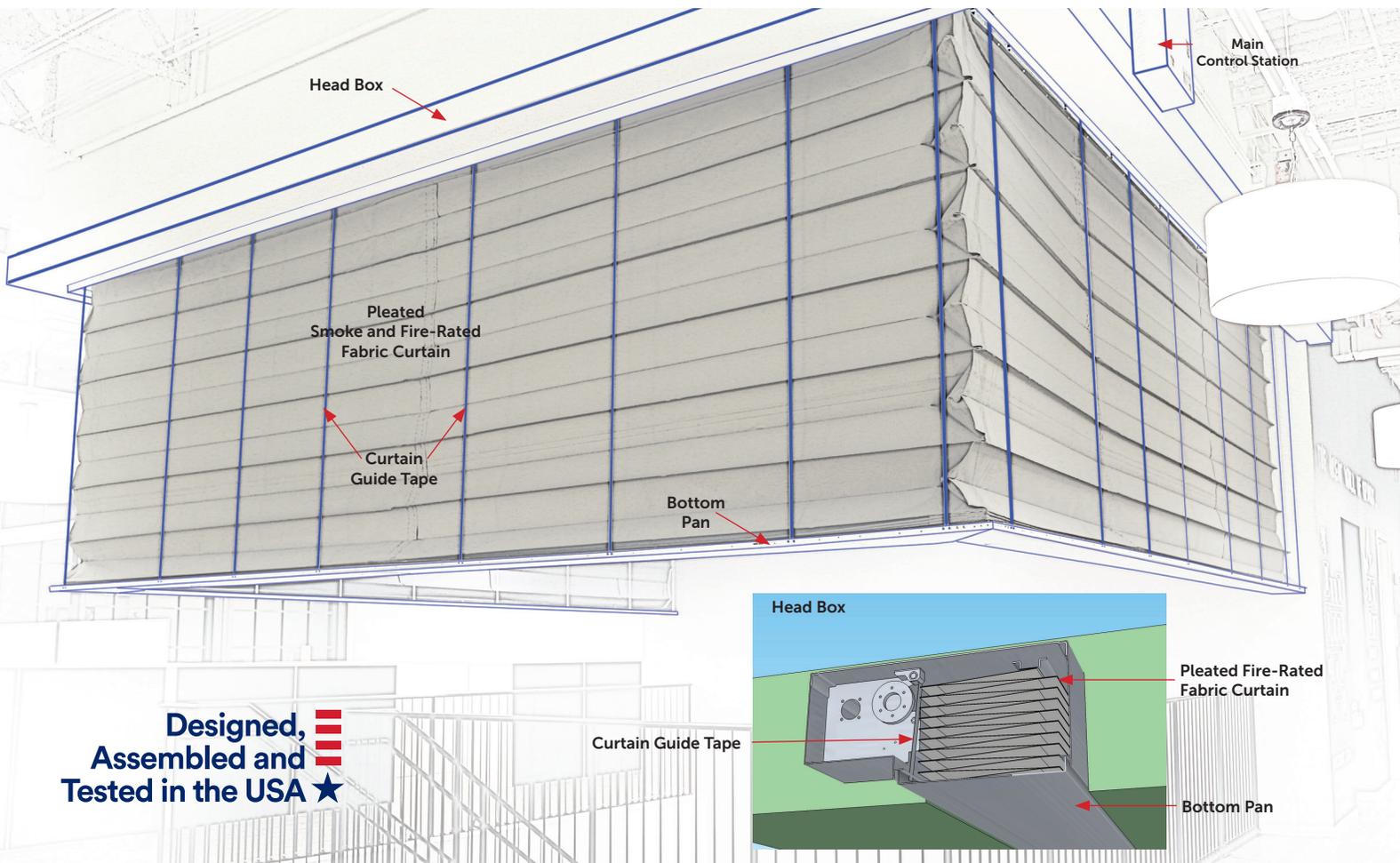
- UL 1784 "Air Leakage Tests of Door Assemblies" listed by Intertek (in a closed system configuration)
- UL 10B "Standard for Fire Tests of Door Assemblies" (20 min. without hose stream) listed by Intertek (fire-rated assemblies)
- UL 10C "Standard for Positive Pressure Fire Tests of Door Assemblies" (20 min. without hose stream) listed by Intertek (fire-rated assemblies)
- UL 10D "Standard for Fire Tests for Fire Protective Curtains" (2 hr.) listed by Intertek (fire-rated assemblies)
- UL 864 "Standard for Control Units and Accessories for Fire Protective Signaling Systems" listed by Intertek (both smoke and fire-rated assemblies)
- NFPA 252 "Standard Methods of Fire Tests of Door Assemblies" (20 min.)

**Codes and Standards.** **M4000** fulfills IBC requirements to provide an opening protective where these assemblies are permitted as passive barriers used smoke control systems. This fire-rated curtain system can serve as opening protective in applications such as an atrium, stairwell and escalator construction.



Designed, Assembled, and Tested in the USA 

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**System Operation.** The system is deployed upon a signal from the local smoke detection system or a smoke control panel. System requires 120/240 VAC power. The unit is also equipped with a 24 VDC battery back-up system that maintains the electronic controls. When required the system can be connected to building standby power. The controls include a universal power supply that supports either 120/240 VAC operation.

**Installation.** The system is typically mounted above the ceiling. It anchors to a header above the ceiling assembly, supported from the fire-rated deck above. If side guides are used, they are secured to the walls on either side of the opening. All Smoke Guard system units are to be installed by factory recognized installation personnel. Preparation work required by others is outlined in the product specification and submittals. Installation requires clear, plumb, unobstructed wall surfaces for mounting the side guides, 120/240 VAC power and, should local smoke detection be required, a smoke detector.

### Smoke Guard and Your Project

- Check for clearance/obstructions issues on, above, and surrounding the opening (sprinklers, HVAC, etc.)
- Field verify opening measurements prior to ordering systems
- Requires 120/240 volt 20 amp circuit for each 60' of system length
- Fire alarm system has normally open local auxiliary contacts available
- Ensure all HVAC/smoke evacuation systems off when curtain is moving