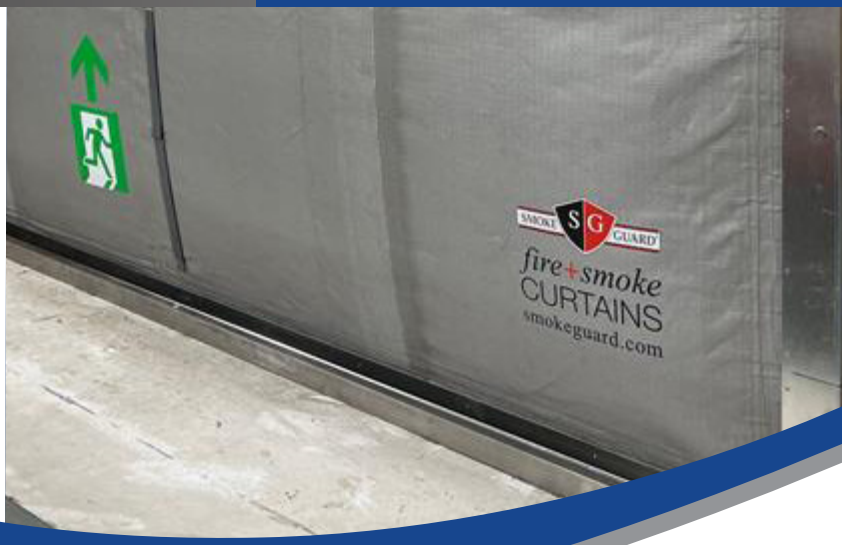
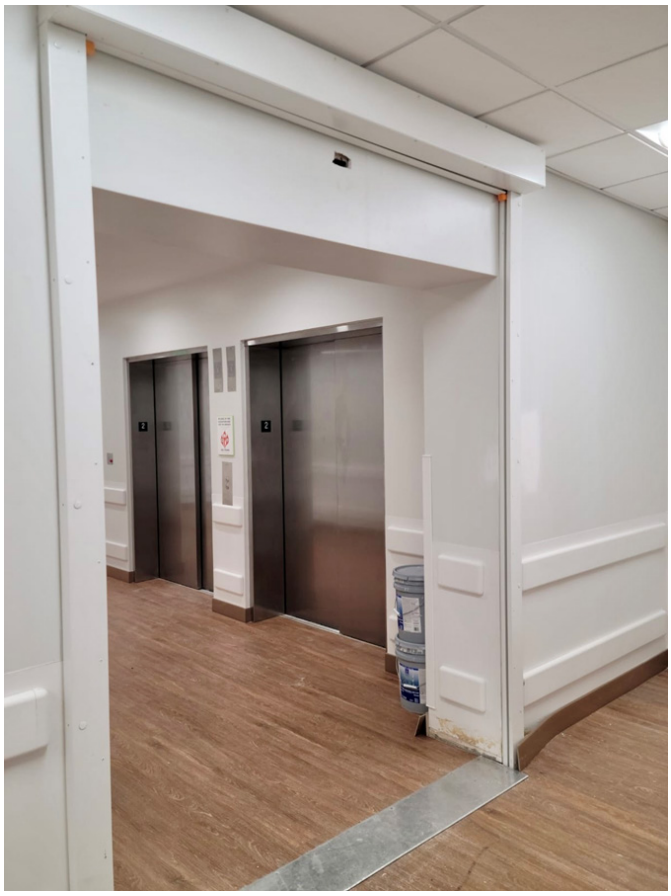
SMOKE GUARD® *system*

Model 2100 Egress

Vertical Opening Protective



System Description. The Smoke Guard System Model 2100 Egress (M2100 Egress) is a code-compliant curtain assembly designed to protect openings in rated or unrated walls. The M2100 Egress consists of a high-performance reinforced fabric curtain assembly, specifiable as either fire + smoke-rated or smoke-rated only, mounted within a steel housing. Vertical steel guide tracks capture the curtain as the system deploys, and a bottom bar seals to the floor upon deployment. Removable front and bottom housing cover plates offer easy access for installation and service. The system is available in galvanized (standard) or with a custom RAL powder coat finish.



Clear Opening Sizes
- Openings up to 10′-0″W x 10′-0″H

Housing Dimensions
- Housing height: 6 3/8″H x 6 1/4″D

Standards
- UL 10B “Fire Tests of Door Assemblies” (20 minute without hose stream) listed by Intertek
- UL 10C “Positive Pressure Fire Tests of Door Assemblies” (20 minute without hose stream) listed by Intertek
- UL 10D “Fire Tests for Fire Protective Curtains” (2 hours) listed by Intertek
- UL 1784 “Air Leakage Tests of Door Assemblies” listed by Intertek
- UL 864 “Control Units for Fire Protective Signaling Systems” listed by Intertek

Complies with
- ICC-ES Report AC77 (ESR-1136)
- 2009 IBC Section 708.14.1, 2012 IBC Section 713.14.1
- 2015/2018/2021/2024 IBC Section 3006
- ASME A 17.1/CSA B44 ICC/ANSI A117.1 (ADA Accessible)
- NFPA 105 “Installation of Smoke Control Door Assemblies”
- NFPA 80 “Standards for Fire Doors and Other Opening Protectives”
- NFPA 252 “Standard Methods of Fire Tests of Door Assemblies” (20 minute) listed by Intertek
- ASME A17.1/CSA B44 Safety Code for Elevators*
- when ordered with the optional fire-rated viewports*

Designed, Assembled, and Tested in the USA

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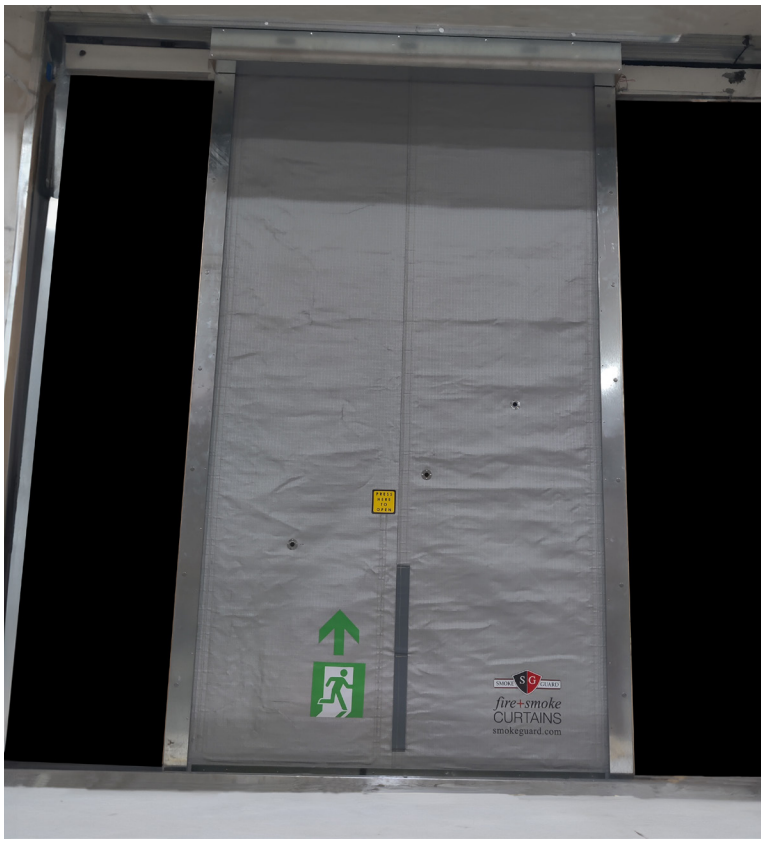

Fail-Safe Features. The **M2100 Egress** is a gravity fail-safe system featuring easy, manual egress via a lift strap on both sides of the curtain. The control unit monitors the state of curtain deployment and features both visual and audible fault reporting to indicate when corrective action is required.

Optional Electronic Egress Buttons. Wall-mounted egress push-plate buttons may be installed on either or both sides of the system to offer additional methods of electronically-enabled egress for occupants or first responders. If the system is in an alarm state when an egress button is depressed, the curtains will retract to allow passage, then redeploy after a brief pause. The curtain will automatically retract to the ready position when the alarm clears.

Optional Obstruction-Sensing Edge. Sensors may be added, spanning the width of the bottom bar, to detect any obstructions during deployment. This ensures the safety and effectiveness of the system, allowing it to remain operational in the event that obstructions are present.

System Operation. The system is deployed upon receiving an alarm signal from the local smoke detector or fire control panel. The unit is equipped with a 12VDC battery backup system maintained by electronic controls. When necessary, the system can also be connected to building standby power. The controls feature a universal power supply that can be adapted to meet foreign electrical current requirements.

Installation. The system is typically anchored flush or above the ceiling, mounted to a header or assembly as required. The vertical side guides can be wall-mounted or recessed as needed. All Smoke Guard systems are installed by factory-recognized installation technicians. Preparation of the opening and related work by others shall be performed in accordance with the system design and listing as outlined in the product data. Opening surfaces shall be level, plumb, and unobstructed for the installation of the headbox and side guides accordingly. The AC power supply, alarm activation device, wiring, and all final connections shall be handled by others. System alarm activation is typically done by a local smoke detector.

Listed Releasing Device. The M2100 Egress control has been tested in accordance with the UL 864 standard and is listed by Intertek Laboratories. The electrical power requirement is 120/240VAC.

FSCS Option. The interface for the Firefighter Smoke Control Station (FSCS) provides high-priority inputs to remotely OPEN and CLOSE the curtain, along with remote system status monitoring.

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***
- ☐ ***Available 120/240VAC circuit with 7/3.5A capacity per controller***
- ☐ ***Fire alarm system has normally open auxiliary contacts available***
- ☐ ***Confirm suitable backing for housing and guides***

