



### GENERAL DESCRIPTION:

The DUAL HOSE STREAM 120® is a deployable fabric fire shutter system composed of wired reinforced fabric curtains on round steel tubes in a fire rated assembly. The curtains remain retracted above the finished ceiling until activated by fire alarm or smoke alarm at which point they descend at 6 in/sec. and create a smoke and fire barrier. The curtain can also be non-motorized when activated by a fusible link. The system consists of:

- A double headbox/roller roller assembly with a 0.05 in. thick galvanized steel head box with a minimum 9 in. x 9 in. dimension. Maximum span up to 146 ft. and drop height of 20 ft.
- A motor control circuit (MCC) is housed in a steel enclosure and mounted onto the motor end of the head boxes. NFPA 70 compliant DC motor interfaced with Control Panel (CP) and suitably weighted bottom bars. Internal or external motors depending on length.
- Removable fire rated cover plates incorporated to allow access to curtain roller.
- Curtains pass through fire rated galvanized steel auxiliary rails (side guides) that can be powder coated or prime coated in finish.
- Egress switches on both sides of curtains.
- Tested at Guardian Fire Testing Laboratories.  
Accreditation  
ISO 17025 (testing)  
ISO 17020 (inspection)  
ISO 17065 (production certification)

### STANDARDS:

The DUAL HOSE STREAM 120® is certified for quality by ISO 9000, meets and exceeds the requirements of:

- Tested in accordance to UL 10 B and ASTM E2226 (Hose Stream)
- ASTM E119 (UL263) is listed and labeled assembly for two hours
- NFPA 105 Compliance
- NFPA 252 Compliance

### PERFORMANCE:

- 2 hours fire rated at 1800°F
- Bottom bars deploy ~6"/second. Heavier bottom bars deploy ~12"/second.

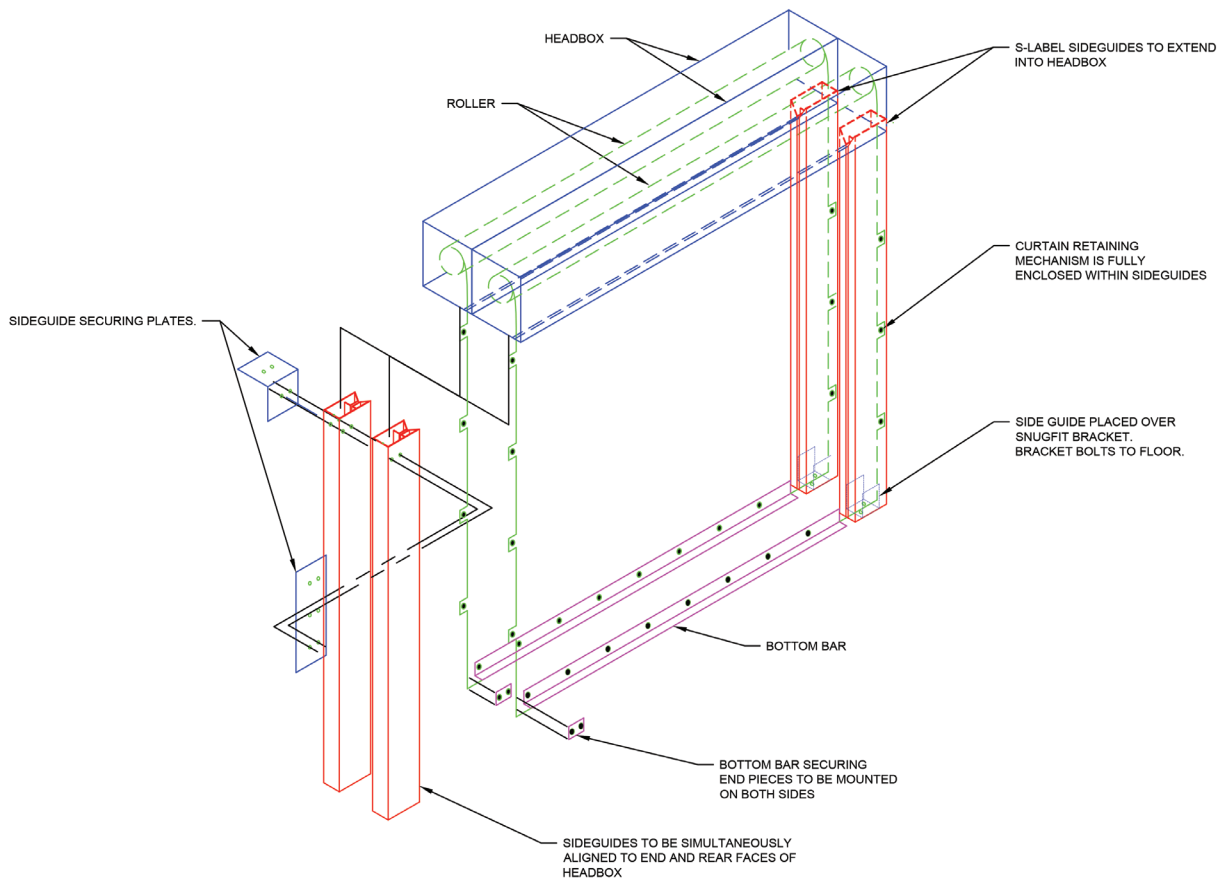


## CONTROL PANEL (CP):

The curtain deployment mechanism is directly synced and integrated in the fire alarm emergency systems.

When an alarm signal is detected, the CP will automatically trigger all the curtain systems to deploy in a controlled descent under gravity. In normal operating conditions the CP provides AC supply to the MCC to keep the curtains in retracted condition. Should smoke be detected, the fire alarm control system will send a signal to the Control Panel and the curtains will deploy at a controlled speed to their operational position. When the fire alarm system goes back to normal power mode, the curtains will automatically retract back to the housing.

## DUAL HOSE STREAM CURTAIN DIAGRAM



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