



MAHON DOOR CORPORATION

QUALITY PRODUCTS SINCE 1912

Rolling Steel Fire Door Specifications

Important Fire Door Operational Features

Governor Closing Control: furnished as standard on all fire doors over 5'- 0" in height, the oscillating governor controls the downward rate of descent after the automatic closing device has been activated. Mahon governor control complies with the Underwriters Laboratories requirements for rate of descent.

Smoke Detectors - when specified: Mahon can furnish U.L. Listed smoke detection devices (see optional electrical equipment) along with release devices. Detectors are available in either fail safe types, or delayed release types to protect against power interruptions of a short nature.

Automatic Closing Features: all Mahon fire doors feature closing devices to insure the positive start of the door in the downward direction upon release of the fusible link, and/or detection equipment. (refer to standard and optional fire door specifications.)

UNDERWRITERS LABELED ROLLING FIRE DOORS STANDARD SPECIFICATIONS

1. **FURNISH AND INSTALL** rolling fire doors as indicated. Doors shall be as manufactured by Mahon Door Corporation, constructed in accordance with Underwriters Laboratories, Inc. requirements.
2. **WORK NOT INCLUDED** unless otherwise specified; preparation of openings, steel jambs or supports, trim, access panels, field painting, wires, wiring or disconnect switches for motor operated doors.
3. **CURTAINS** shall be formed of (galvanized steel) (stainless steel) interlocking slats of not less than #20 gauge for class (A) (B) (C), nor less than #22 gauge for class D labeled doors. Steel slats to be galvanized per ASTM standards, chemically treated for paint adhesion. Both ends of each slat to be equipped with malleable iron endlocks. The bottom of each curtain is to be reinforced with two (steel) (stainless steel) angles of equal weight.
4. **COUNTERBALANCE ASSEMBLY** shall be furnished with oil tempered helical torsion springs having a 25% safety factor. Springs shall be affixed to tapered cast anchors, mounted on a single steel torsion rod. Torsion rod to be attached to a spring adjusting wheel. Entire spring assembly to be housed in a steel pipe shaft of proper diameter and thickness so not to exceed .03" of deflection per foot of span.
5. **AUTOMATIC CLOSING** of doors, in the event of fire, is activated by melting of fusible links. This releases the closing device and the oscillating governor controls the downward speed of the door.
6. **HOODS** shall be of #24 gauge (galvanized steel) (stainless steel) and are to be laterally reinforced to prevent sag.
7. **OPERATION** is to be (manual, with lift handles) (chain and gear, maximum pull of 35 lbs.) (hand crank gear) (motor operator).
8. **BRACKET PLATES** are to be of steel plate with sealed ball bearings to support counterbalance assembly and curtain. Brackets to form end closures, and support hood.
9. **GUIDES** to be fabricated of (steel) (stainless steel) structural angles not less than 3/16" thick, assembled with 3/8" bolts, bolted to the jambs at a maximum spacing of 1'- 6" on center. Holes to be slotted for heat expansion.
10. **FINISH** steel surfaces to receive one shop coat of prime paint except galvanized surfaces, bearings, etc. For stainless steel finish shall be (mill) (#4).

SPECIFICATIONS FOR OPTIONAL FEATURES

MOTOR OPERATORS to include high starting torque motor, reduction gearing, solenoid brake, limit switches for up and down door travel, emergency hand chain with electrical interlock to cut power to control switch when hand chain is engaged, magnetic relay starter with overload protection, internal pre-wiring to terminal block, three button station operating on a 24 volt control circuit. Motor is removable without affecting the emergency hand chain operation. Wiring diagram will be provided.

REVERSING SAFETY DOOR EDGE to be furnished on motor operated doors. Upon contact with an obstruction this safety feature will stop the door and return it to the fully open position.

FLAT SLATS to be furnished in lieu of standard curved slats.

FUSIBLE LINKS BOTH SIDES to be furnished to activate automatic closing from either side of the wall.

FUSIBLE LINK CEILING UNIT to be furnished to house the link release and installed in the hung ceiling below the door coil.

SMOKE DETECTORS of (photo electric) (ionization) type to be furnished with magnetic door release to activate closing mechanism of door. Installation and wiring by electrical contractor.

CYLINDER LOCKING to be provided on the bottom bar of the door. For motor operated doors, protective cut-out switches to be provided.

SHOP COAT curtain and hoods shall be shop primed in addition to non-galvanized surfaces. Optional colors include: Gray, Tan, White.

Consult With Factory For More Information Regarding Any Optional Items Or Repair Service By Calling 1-800-826-3667.

Please contact us at 1-800-826-3667 for some personal touch to help with all your rolling door needs.

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