

PART 1 GENERAL

1.1 REFERENCE

- .1 Comply with the General Conditions of the Contract, Supplementary General Conditions and the requirements of Division 1.

1.2 RELATED WORK SPECIFIED ELSEWHERE

- .1 Masonry Section 04200
- .2 Miscellaneous Metals Section 05500
- .3 Painting Section 09900
- .4 Electrical Section 16000

1.3 SCOPE OF WORK INCLUDED

- .1 Supply and installation of Sectional Fire Rated Rolling Steel Shutter c/w all required operating hardware.

1.4 SUBMITTALS

- .1 Submit shop drawings in accordance with Section 01340.
- .2 Clearly indicate fabrication details, plans, deviations, hardware and installation details.

1.5 WARRANTY

- .1 Provide a Warranty as stipulated in the General Conditions, but for an extended period of five [5] years against delamination of sections and one [1] year on all other components, from the date of final completion and acceptance of the Work. Warranty shall be signed by both manufacturer and installer.
- .2 The Contractor shall promptly repair or replace any defective work.

1.6 MAINTENANCE MANUAL

- .1 Provide triplicate set of printed maintenance instructions for inclusion in Data Manual as specified in Division 1.
- .2 Submit complete list of all lubricants required for maintenance of doors and operating components.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Contact : Stewart Overhead Door @ 652-8312 (Gavin Tanner)

Specification prepared based on (or Equal):

1. Mahon Steel door (RP Series Manual Operation)

**1 interior fire rated manual roller steel doors
- Class D Fire Rating equal to 1 1 /2 Fire Rating
(Approx dimensions : refer to door schedule)**

Mahon doors underwriters rolling steel doors for fire rated openings. Door shutter will close automatically upon the melting of the useable link, and or release by smoke detection devices and prevent the passage of flame and smoke (electrically wired into Fire Alarm System Panel). Underwriters oversized certificate of factory inspection is to be furnished.

No 3. Standard slats.

Curtain shall be formed of galvanized steel interlocking flat slats, no lighter than # 22 gauge. Each end of slat shall be fitted with end locks. Bottom bar to be equipped with side locking bolts.

Guides shall be steel, fabricated to details as approved by underwriters Laboratories Inc.

Counterbalance Assembly springs to be helical torsion type with a safety factor of 25 % Springs to be mounted on a steel torsions shaft, and housed in a steel pipe. Furnish sealed bar bearings to minimize wear of pipe shaft rotation around inner shaft.

Bracket Plates shall be steel, to carry counter balance assembly and curtain. Brackets shall form end enclosures, and support hood.

Automatic Closing to be by release of fusible link or smoke detections equipment bracket to be equipped with a starting device which when released permits the shutter to automatically close Governor control provided as required by Underwriters Laboratories Inc.

Hood to be galvanized steel # 24 gauge minimum. Finish baked gray primer (galvanized steel) ready to accept paint application by Section 09900

PART 3 EXECUTION

3.1 EXAMINATION

- .1 Take field dimensions of Work upon which Work of this Section depends before fabrication. Field adaptation of Work fabricated in error or without field check will not be allowed without Consultant's approval.

3.2 INSTALLATION

- .1 Erect Work straight, plumb, level, and secured to prevent distortion or displacement or both
- .2 Install the doors in accordance with manufacturer's instructions and standards.

3.3 CLEANING

- .1 Final cleaning in accordance with Division 1

END OF SECTION