

SECTION 08330 OVERHEAD COILING GRILLES AND DOORS

FIRE RATED SHUTTERS ASH800 SERIES MANUAL OPERATION

THREE PART SHORT FORM SPECIFICATIONS (CSI)

Part 1 – General

- 1.01 A. Summary: Supply rolling shutters manufactured by Amstel Manufacturing, www.amstel-doors.com Tel: 1-800-663-6206
- B. All Rolling Counter Fire Doors shall be Series FD10 as manufactured by Amstel Manufacturing Inc. Furnished materials shall include all curtains, bottom bars, guides, brackets, hoods, operating mechanisms and any special features.
- C. Work not to be included by Amstel Manufacturing Inc includes design of, material for, and preparation of door openings but not limited to structural or miscellaneous iron work, metal or wood trim, access panels, finish painting, electrical wiring, conduit and disconnect switches.
- 1.02 A. Quality Assurance: All rolling counter fire doors shall be constructed in accordance with testing agency requirements and shall bear a [3 hour] [1-1/2 hour] [3/4 hour] rating label.

Part 2 – Products

- 2.01 Model: Fire Rated Shutter ASH800-M as manufactured by Amstel Manufacturing.
- 2.02 Curtain: Construct of interlocking extruded steel slat conforming to ASTM-526. The curtain shall be constructed of 22 gauge No. 10 (1-1/4" high by 3/8" deep) slats as designated by Amstel Manufacturing Inc.

Bracket Size: P	Maximum height to bracket:	Clear Height of Opening: H
10" x 10"	60"	56-1/2"
11" x 11"	96"	92-1/2"
12" x 12"	128-1/2"	125"

- 2.03 The bottom bar shall be constructed of tubular steel measuring 2" high by 1-1/4" deep. The bottom bar shall receive one (1) coat of bronze rust-inhibiting prime paint.
- 2.04 The finish on the door curtain shall be Amstel Manufacturing Inc consisting of the following:
- A. Hot dipped galvanized G-90 coating consistent with ASTM A-525
 - B. Bonderized coating for prime coat adhesion
 - C. Corrosion inhibiting primer - .2 mils per side
 - D. Thermo-setting tan polyester top coat with a minimum thickness of .6 mils each side
- 2.05 The guides shall be constructed of box sections of steel. The finish on the guides shall be one (1) coat of bronze rust-inhibiting prime paint.
- 2.06 The brackets shall be constructed of 11 gauge steel plate and shall receive one (1) coat of bronze rust-inhibiting prime paint.
- 2.07 The barrel shall be steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain and shall have both a main and an auxiliary spring. The barrel shall be designed to limit maximum deflection to .03" per foot of opening width. The barrel shall receive one (1) coat of bronze rust-inhibiting prime paint.
- 2.08 The hood shall be fabricated from 24 gauge galvanized steel and shall be formed to fit the square brackets. The finish on the hood shall be the Amstel Manufacturing Inc same finish as indicated in the

curtain section.

2.09 Operation:

- A. All push-up operated counter fire doors shall have an automatic closing device and governor to control the downward speed of the door which shall become operational upon the fusing of a 160 degree fusible link. The door shall have an average closing speed of not less than six (6) inches per second and not more than twenty-four (24) inches per second as indicated in NFPA Bulletin 80. Once the door has closed, it should be able to be reset by one person on one side of the door only.
- B. Push-up operated doors shall open and close with a maximum of 30 pounds of effort utilizing finger lifts in the bottom bar. This type of operation should not be used for doors over 8 feet wide.

Part 3 – Execution

- 3.0 Preparation and Examination: Site preparations are to be detailed by approved shop drawings. Verify opening dimensions by actual site measurements. Contractor shall make structural or other preparation of the opening to receive guides and grille, provide finish or trim to the opening.
- 3.1 Installation: All Amstel Manufacturing Inc Rolling Counter Fire Doors shall be installed in accordance with NFPA Bulletin 80 by an authorized Amstel Manufacturing Inc Distributor.
- 3.2 Maintenance: The guides should be kept clean of dirt, particularly in the area of the bottom of the guide pocket where dust and dirt can accumulate. On both anodized aluminum and stainless steel curtains, the curtains should be cleaned at least once a year with a damp rag and a non-abrasive cleaner. For cleaning of finished steel curtains consult finish manufacturer for recommendations. It is recommended that the grille curtain balance should be checked on a yearly basis and the tension adjusted if necessary. For motorized or crank operated grilles the chain should be lubricated four times a year.
- 3.01 Warranty: All Amstel Manufacturing Inc Rolling Counter Fire Doors shall be warranted for a period of twelve (24) months from the time of shipment against defects in workmanship and materials.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE