

THREE PART SHORT FORM SPECIFICATIONS (CSI)

ASH300 ROLLING ALUMINUM SHUTTER

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Rolling Shutter – Overhead Rolling Door and Grille
- B. Preparation of door opening, structural or miscellaneous ironwork, access panels, electrical wiring, conduit, disconnect switches, drywall and finish painting are in the scope of the work of other sections or trades.

1.2 WARRANTY

- A. The standard warranty shall cover the repair or replacement of defective components or assembly labour for a period of two year or specified cycles, whichever comes first following the installation of the grille.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Amstel Manufacturing (1993) Inc
128 Centre Street East, Richmond Hill, Ontario. L4C 1A6. Canada.
Ph. 1-800-663-6206 or 905-508-0855 Fx. 1-866-525-1304 or 905-508-8487
E. projects@amstel-doors.com
W. www.amstel-doors.com.
- B. Substitute products by the following manufacturers are accepted:
 - 1. McKinlay Door Sales
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00.

2.2 MATERIALS

- A. ASH300 Rolling Aluminum Shutter
 - 1. Curtain:
 - a. Constructed of interlocking extruded aluminum slat sections 16 gauge [0.055"/1.4 mm] thick, 1/2" (13.4 mm) deep and individually 2-3/4" (70 mm) high, with an overall width sized to suit the door opening. Surface of slat is curved and 2.58" (65.5 mm) high.
 - 2. Aluminum is to be 6063 aluminum alloy with t-5 temper conforming to ASTM B 221.
 - 3. Bottom Bar:
 - a. Members are to be horizontal bars of tubular aluminum extrusion 1.10" (28 mm) in width and 2" (50.8 mm) in height and 0.06" (1.5 mm) wall thickness.
 - 4. Locking:
 - a. Standard: Mortise cylinder locking at center of bottom bar on coil side.
 - b. [Optional: Mortise cylinder locking at both sides at center of bottom bar.](#)
 - c. [Optional: Slide bolt locking both jambs on secure side of shutter.](#)

5. Guides:
 - a. Members are to be 1-1/4" (31.8 mm) wide by 1.7" (43 mm) deep extruded aluminum guide sections with built-in upset shoulders to provide curtain retention.
 - b. Each guide to be fabricated with a bell mouth to provide smooth curtain operation.
 - c. Mount steel stoppers to guides to prevent roll over and travel above finished bulkhead/soffit.
 - d. Guides shall be fitted with a wool pile wear strip on the outside face and a rigid P.V.C. stripping on the interior face to ensure smooth and quiet operation and reduce wear.
 - e. Fasten guides to masonry or structural supports with concealed fasteners at max. 2'-0" O.C.
6. Counterbalance:
 - a. Construct of extruded aluminum involute tube to act as pipe barrel. Pipe barrel shall enclose oil tempered helical torsion springs of a design to ensure proper counterbalancing action.
 - b. Spring tension adjustment shall be by means of pinning the spring shaft to U-lug on the inside of the bracket plate. Adjusting wheel positions available on inside and outside of bracket plates.
7. Bracket Plates: Construct of minimum 1/8" (3.2 mm) thick steel plate, primer painted "gray".
8. Hood:
 - a. Construct of 0.040" (1 mm) clear anodized aluminum sheet, press-bent to form suitable coil enclosure.
 - b. Hoods and fascias will have maximum length of 144" (3658 mm) per section.
 - c. Fascias will have 3/4" (19 mm) plywood backing board supplied.
9. Factory Finishes: use letter suffix to denote required door finish.
 - a. Standard: AA Clear Anodized, 0.0004 inch (10 micron) clear anodizing.
 - b. Options: CC Aluminum to be painted RAL colour or match colour sampled.
10. Operation:
 - a. Standard: Manual push-up operation. Depending on door model and size, manual push-up operation may be unsuitable, and manufacturer will make recommendations.
 - b. Optional: hand-crank, chain-hoist, tube motor direct drive 120v 1ph, bracket mount direct drive 120v 1ph, bracket mount jackshaft indirect drive 120v 1ph.
 - c. Operational Cycles: 30,000 Cycles

PART 3 EXECUTION

3.1 PREPARATION & EXAMINATION

- A. Site preparations are to be detailed by approved shop drawings. Verify opening dimensions by actual site measurements.
- B. Contractor shall make structural or other preparation of the opening to receive guides and grille, provide finish or trim to the opening.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Structural steel support, where provided by Amstel, is not self-supporting and must be adequately secured during installation for proper and safe operation of the door.

3.3 MAINTENANCE

- A. 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.
- B. The curtains should be cleaned at least once a year with a damp rag and a non-abrasive cleaner.
- C. It is recommended that the shutter balance should be checked on a yearly basis and the tension adjusted if necessary.
- D. For jackshaft motorized or indirect hand crank operated shutters the chain should be lubricated four times a year.

END OF SECTION

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE