

SECTION 08330 – Amstel Manufacturing 1993 Inc

ARG259PAAUHC – ALUMINUM ROLLING GRILLE

THREE PART SHORT FORM SPECIFICATIONS (CSI)

Part 1 – General

- 1.01 A. Supply rolling grilles manufactured by Amstel Manufacturing, www.amstel-doors.com
Tel: 1-800-663-6206, (905) 508-0855, Fax: (905) 508-8487, 1-866-525-1304
- 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.

Part 2 – Products

- 2.01. Model: ARG259PAAUHC as manufactured by Amstel Manufacturing.
Standard Curtain: Construct of 1/8" thick by 5/8" wide by 3-1/4" flat aluminum vertical links arranged in a straight pattern to support continuous horizontal 5/16" diameter aluminum rods. Vertical links shall be secured in place by 7/16" diameter plastic pvc sleeves 9" long over every other horizontal aluminum rod. Spacing of horizontal aluminum rods shall be 2-1/2" O.C.. Spacing of vertical aluminum links shall be at 9" O.C.. Curtain ends to be fastened with screws and washer connection.
- 2.02. Aluminum Bottom Bar: Members are to be horizontal bottom bars of tubular aluminum extrusion 2" in width and 3" in height and 1/8" wall thickness. Optional 18" of condensed rod protection is available for reduction of possibility of photo-eye interference.
- 2.03. Guides: Members are to be 1-3/8" wide by 2-3/4" deep and 0.100" thick extruded aluminum guide sections with built-in upset shoulders to provide curtain retention. Each guide to be fabricated with a bell mouth to provide smooth curtain operation. Mount steel stoppers to end plate to prevent roll over and travel above finished bulkhead. Guides shall be fitted with a rigid P.V.C. strip to ensure smooth and quiet operation. Fasten guides to steel angles, HSS supports or HSS spacers with concealed fasteners at max. 2'-0" O.C..
- 2.04. Counterbalance: Construct of standard steel pipe of adequate diameter to prevent deflection exceeding 0.03" per foot of door width. Barrel will come equipped with a resettable inertia brake, and is not equipped with any springs. Constructed and tested for up to 500,000 cycles.
- 2.05. Bracket Plates: Construct of minimum 3/16" thick steel plate, primer painted "gray". Bracket plates will be equipped with HD polar bearings to suit diameter of shaft.

- 2.06. Hood: Construct of 0.040" clear anodized aluminum sheet, press-bent to form suitable coil enclosure. Hoods and fascias will have maximum length of 144" per section. Steel channel fabricated hood supports will be provided for hoods and fascias that exceed 144" in width. In such cases the client is responsible for suitable support within the bulkhead. Hoods are not furnished for doors where coil is located above ceiling.
- 2.07. Finish: Aluminum is to be 6063 aluminum alloy with T-5 temper.
Standard factory finish to be 0.0004" (10 micron) clear anodizing.
- 2.08. Operation: Motor operated bracket mount face of coil, motor size and voltage to be determined by size and cycles of door. Operator is designed for continuous duty work and equipped with a concealed heavy-duty disc brake system. Travel speed of door up to 12" per second. Motor will come equipped c/w time delay on reverse, soft start and stop, timer to close, pneumatic safety edge on the bottom of the door, photo eye controls for safety and standard three button station for operation.

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: Install in accordance with the manufacturer's shop drawings and instructions. 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.
- 3.2. 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.
- 3.3.A. Warranty: The standard warranty shall cover the repair or replacement of defective components or assembly labour following the installation for a period of two years or 500,000 cycles, which ever comes first.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE