

SECTION 08350 FOLDING GRILLES – SENTRY MODEL

THREE PART SHORT FORM SPECIFICATIONS (CSI)

Part 1 - General

1.01

A. Supply and install manually operated folding grilles manufactured by Amstel Manufacturing (Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

B. Related Sections:

1. Section 08330: Rolling Grilles
Rolling Shutters
Rolling Wood Shutters

1.02 Exclusions:

Structural or other preparation of the opening to receive the track and grille, finish or trim to the opening, construction of storage pockets

Part 2 - Products

2.01 Model:

A. Sentry 33, 66, 99, 1212, 1515 as manufactured by Amstel Manufacturing (Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

2.02 Curtain:

A. The “Sentry” shall incorporate 2” (51 mm) high truss-like plates at the top and bottom of the closure. Construct of 4” (102 mm) wide x 0.60” (1.5 mm) thick aluminum plates that slide over 5/16” (8 mm) rods on 3_” (89 mm) centers in an alternating pattern. Plate height is indicated by model number (Sentry 33 - 3” plates, Sentry 1515 - 15” plates).

/OR/

2.01 Model:

B. Sentry 525, S12 as manufactured by Amstel Manufacturing (Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

2.02 Curtain:

- B. The "Sentry" shall incorporate 2" (51 mm) high truss-like plates at the top and bottom of the closure. Construct of 4" (102 mm) wide by 0.60" (1.5 mm) thick aluminum plates that slide over 5/16" (8 mm) rods on 3" (89 mm) centers.

2.03 Materials:

Aluminum is to be 6063 aluminum alloy with T-5 temper.

2.04 Locking:

Members are to be vertical stiles fabricated from rectangular tubing 1.3" (33 mm) x 2.4" (62 mm). Members using floor bolts include dust free, stainless top floor sockets.

Lead and trailing end members are to be cylinder controlled lock stiles with self-adjusting, cold rolled steel floor bolts and top bolts through the top of the track into the support.

Intermediate locking members with cold rolled steel floor bolts are supplied for (up to) every 10'-0" (3048 mm) of curtain.

Bipart assemblies are supplied as required. One lock member will retain a hookbolt deadlock activated by keyed or thumbturn cylinders. A second intermediate locking member with a steel floor bolt shall include a full height channel to accept the hookbolt deadlock.

2.05 Track:

Overhead track is to be 1.3" (33 mm) wide x 1.8" (46 mm) high and is to accept 1-1/8" (29 mm) diameter roller trolleys. Rollers are to bear on 0.27" (7 mm) thick aluminum surface within the track. Track curves, where indicated, are to have 10" (254 mm) or 14" (356 mm) radii.

2.06 Finish:

Standard factory finishes are to be: 0.0004" (10 micron) clear anodizing or K1285 (white), K70632 (light bronze), K71232 (medium bronze) or K90421 (black) Duracron acrylic paint.

2.07 Weight and Stacking:

Grille weights are to be expressed in lbs./sq. ft. and kg/sq.m of clear opening:
Sentry - 1.5 lbs./sq. ft. (7.3 kg/sq.m).

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Minimum stacking shall be 1.05"/linear foot of opening plus 3.5" for each locking member or 87.5 mm/meter of opening plus 89 mm per locking member.

Grille support must be able to carry the weight of a fully stacked door at any point along its length. Support is to carry the total weight / the total stacking.

Part 3 - Execution

3.01 Preparation and Examination:

Contractor shall make structural or other preparation of the opening to receive track and grille, provide finish or trim to the opening, construct finish or trim to the opening and construct storage pockets as necessary. Site preparations are to be detailed by approved shop drawings.

Examine all conditions under which grilles are to be installed. Notify contractor of unsatisfactory conditions.

Verify track layout and grille dimensions, especially the finished floor (or counter) to the underside of the support dimensions, by actual measurements.

3.02 Installation:

Install in accordance with the manufacturer's shop drawings and instructions.

3.03 Maintenance:

Grille curtain shall be cleaned regularly with a mild soap that is approved for use on aluminum.

Roller trolleys are to be lubricated at least every 4 months with WD-40 or equivalent.

3.04 Warranty:

The standard warranty shall cover the repair or replacement of defective components or assembly labour for a period of one year following the installation of grille.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE