

SECTION 08330 OVERHEAD COILING GRILLES AND DOORS

ROLLING GRILLES

THREE PART SHORT FORM SPECIFICATIONS (CSI)

Part 1 – General

1.01

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

B. Related Sections

1. Section 08330: Rolling Shutters
Rolling Wood Shutters
2. Section 08350: Folding Grilles

1.02 Exclusions:

Structural or other preparation of the opening to receive the guides and grille, finish or trim to the opening.

Part 2 – Products

[CHOOSE ONE OR MORE]

2.01 Model:

A. Gardaire as manufactured by Amstel Manufacturing.
(Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

2.02 Curtain:

A. Construct of 1/8" thick by 3/4" wide by 3-3/4" offset aluminum vertical links connected to continuous horizontal 5/16" diameter aluminum rods. Vertical links shall be secured in place by 7/16" diameter aluminum sleeves over every fourth horizontal aluminum rod. Spacing of horizontal aluminum rods shall be 1-1/2" O.C.. Spacing of vertical aluminum links shall be at 9" O.C.. Optional construction: stainless steel.

[OR]

2.01 Model

B. Straight-Link pattern grille as manufactured by Amstel Manufacturing
(Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

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111 CARLAUREN ROAD
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/OR/

- C. Poly-Guard rolling grille as manufactured by Amstel Manufacturing
(Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

2.02 Curtain

- B. Construct of 1/8" thick by 3/4" wide by 3-1/8" flat aluminum vertical links connected to continuous horizontal 5/16" diameter aluminum rods. Vertical links shall be secured in place by 7/16" diameter aluminum sleeves over each 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. forming a "straight" pattern. Optional construction: stainless steel.
- C. Construct as (B) except vertical aluminum links to have vertical slot to accommodate 1/8" thick by 1-3/4" wide clear Lexan panels. Optional construction: stainless steel.

/OR/

2.01 Model:

- D. Brick pattern grille as manufactured by Amstel Manufacturing
(Tel: 1-800-663-6206, (905) 850-7122, Fax: 905-850-7336)

2.02 Curtain:

- D. Construct of 1/8" thick by 3/4" wide by 3-1/8" flat aluminum vertical links connected to continuous horizontal 5/16" diameter aluminum rods. Vertical links shall be secured in place by 7/16" diameter aluminum sleeves over each horizontal aluminum rod. Spacing of horizontal aluminum rods shall be 2" O.C.. Spacing of vertical aluminum links shall be at 4-1/2" O.C. in an alternating array forming a "brick" pattern. Optional construction: stainless steel. Optional 3" O.C. rod spacing available.

2.03 Materials:

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

Optional stainless steel is to be Type 304.

2.04 Locking:

Members are to be horizontal bottom bars of tubular aluminum extrusion 2" in width and 3" in height. Manufacturer's standard is slide-bolt lock at each end of bottom bar on coil side. Optional locking: master-keyed cylinder(s) on one or both sides.

Optional stainless steel members are to be horizontal bottom bars of tubular stainless steel, 2" in width and 3" in height.

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Manufacturer's standard is slide-bolt lock at each end of bottom bar on coil side.
Optional locking: master-keyed cylinder(s) on one or both sides.

2.05 Guides:

Members are to be 1-3/8" wide by 2-3/16" deep 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/soffit. Guides shall be fitted with a rigid P.V.C. stripping to ensure smooth and quiet operation. Fasten guides to HSS supports and structural angles with concealed fasteners at max. 2'-0" O.C.. Optional stainless steel cladding.

2.06 Shaft:

Construct of standard pipe of adequate diameter to prevent deflection exceeding 0.03" per foot of door width. Shaft shall enclose oil tempered helical torsion springs of a design to ensure proper counterbalancing action with 25% overload factor. Springs shall be mounted on shaped anchors mounted on a single solid torsion rod. Spring tension adjustment shall be by means of an adjusting wheel and pin on the outside of the bracket plate.

2.07 Bracket Plates:

Construct of minimum 3/16" thick steel plate, prime painted "grey".

2.08 Hood:

Construct of 0.040" clear anodized aluminum sheet, press-bent to form suitable coil enclosure.

Optional: construct of 24 GA. stainless steel sheet, press-bent to form suitable coil enclosure.

Optional: construct of 24 GA. prime painted satin coat galvanized steel, press-bent to form suitable coil enclosure.

2.09 Finish:

Standard factory finish to be 0.0004" (10 micron) clear anodizing.

Optional finish: stainless steel to be #4 polish.

Optional finishes: Consult Amstel Manufacturing.

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Part 3 – Execution

3.01 Preparation and Examination:

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

Verify opening dimensions by actual site measurements.

3.02 Installation:

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

3.03 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.

3.04 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 the grille.

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE