

# **SECTION 08330 OVERHEAD COILING GRILLES AND DOORS**

## **ROLLING WOOD SHUTTERS**

### THREE PART SHORT FORM SPECIFICATIONS (CSI)

#### Part 1 – General

##### 1.01

A. Supply and install rolling wood shutters 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 Grilles
2. Section 08350: Folding Grilles

##### 1.02 Exclusions:

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

#### Part 2 – Products

##### 2.01 Model:

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

##### 2.02 Curtain:

A. Construct of 3/4” solid wood slats joined by vinyl covered aircraft cables mortised into slats on the coil side.

##### 2.03 Materials:

Wood is to be kiln dried, clear grade of solid birch, oak, maple, or mahogany.

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

##### 2.04 Locking:

Cont'd...

Members are to be horizontal bottom bars of laminated solid wood tubular sections. Manufacturer's standard is thumbturn lock at center of bottom bar on coil side. Optional locking: master-keyed cylinder(s) on one or both sides.

2.05 Guides:

Members are to be 1-3/4" wide by 2-1/16" 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 wool pile wear strip to ensure smooth and quiet operation and reduce wear. Fasten guides to masonry or structural supports with concealed fasteners at max. 2'-0" O.C.. Aluminum guides to have a clear anodized finish standard. Guides are available with optional wood-veneer to match curtain. Solid wood guides are available on request.

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 1/8" thick steel plate.

2.08 Hood:

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

Optional 3/4" plywood hood with face veneer to match curtain.

2.09 Finish:

Finish to be supplied and applied by paint contractor. Finish to be applied to all surfaces prior to installation.

Part 3 – Execution

3.01 Preparation and Examination:

Cont'd...

Contractor shall make structural or other preparation of the opening to receive guides and shutter, 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 Storage:

DO NOT store outdoors or in a damp location because warpage may occur.

3.04 Maintenance:

Shutter curtain shall be cleaned regularly with method corresponding to the requirements of the finish selected.

It is recommended that the shutter curtain balance should be checked on a yearly basis and the tension adjusted if necessary.

For motorized or crank operated shutters the chain should be lubricated four times a year.

3.05 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***