

Model 284 - Mini / Self Storage Insulated Windlock Sheet Door

Part 1 - GENERAL

1.01 DESCRIPTION

A. Type: Mini / Self Storage Windlock Sheet Doors to be manufactured by Asta Door Corporation.

B. Operation: to be rope pull.

C. Mounting: to be interior face mounted on a prepared opening.

1.02 RELATED WORK

A. Opening preparation, access panels, finish or field painting are in the scope of the work of other sections or trades.

Part 2 - PRODUCT

2.01 CURTAIN

A. Sheet: 26 gauge galvanized steel roll formed in continuous corrugation. Galvanized according to A.S.T.M. A653-60 and finished with baked epoxy primer and baked polyester topcoat.

B. Windload: Door construction designed to satisfy windload of +30.0/-34.0 psf at 8'0" wide tested to +45.0/-51.0psf. Consult factory for available sizes or higher windloads.

C. Bottom Bar: curtain to be reinforced with a bottom bar consisting of a continuous 2" x 1-1/2" x 12 gauge galvanized steel angle with E.P.D.M. astragal.

D. Windlock Clip: 10 gauge galvanized clip riveted to curtain edge with two 3/16" rivets.

E. Insulation: to be mylar and polyethylene insulation laminated to corrugated sheet.

2.02 SPRING COUNTERBALANCE

A. Drum Assembly: to be formed with 28 gauge galvanized steel sheet rolled around and attached to stamped 18 gauge galvanized steel drums to restrict deflection to .03" per foot (2.5 mm/m) of door width.

B. Springs: To be helical torsion type oil tempered wire designed to cycle 12,500 times with an overload factor of 25%. Springs are to be mounted on a 1" (25.4mm) black steel pipe of minimum 14 gauge.

2.03 OPERATION

A. Rope Pull: to be 1/4" (6.35mm) polyester rope attached to bottom angle.

2.04 SUPPORT BRACKETS

A. Support Brackets: 10 gauge galvanized plate bracket with tension adjustment device.

2.05 GUIDE ASSEMBLY

A. Guides: to be roll formed 18 gauge galvanized steel channels with p.v.c. wearstrips.

2.06 WEATHERSEAL (Standard)

A. Side Draft Seal: Brush seal with aluminum retainer (field installed).

B. Top Draft Stop: to be E.P.D.M. seal attached to top of curtain to seal against header (field installed).

2.07 LOCKING

A. Curtain Lock: to be hardened galvanized steel slide bolt attached to curtain suitable for padlocking. (padlock by others)

2.08 FINISH

A. Unpainted Surfaces: to be galvanized.

2.09 EFFICIENCY

A. Rating: overall efficiency rating of (R=5.24 , U=0.191).

Part 3 - EXECUTION

3.01 INSTALLATION

A. Installation: to be by Asta Door Corporation authorized representative according to Asta Door Corporation standards and instructions.