

## Model 281W - Mini / Self Storage Sheet Door (Windload)

### Part 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Type:** Mini / Self Storage 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 grade 80 full hard 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. Side Stripping:** p.v.c. rubber to be attached to curtain edges.  
**C. Windload:** Door construction designed to satisfy wind of +/-22.0 psf at 6'0" wide, tested to +/-33.0 psf. Consult factory for available sizes or higher windloads.  
**D. Bottom Bar:** curtain to be reinforced with a bottom bar consisting of a continuous 2"x1-1/2"x12 gauge galvanized steel angle with E.P.D.M. astragal.

#### 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) galvanized steel tubing 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 LOCKING

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

#### 2.07 FINISH

- A. Unpainted Surfaces:** to be galvanized.

### Part 3 - EXECUTION

#### 3.01 INSTALLATION

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