



## 291 Model – Mini / Self Storage Sheet Door

4/8/2010

### Part 1 - GENERAL

#### 1.01 DESCRIPTION

- A. **Type:** Mini/Self Storage Sheet Doors to be manufactured by Porvene Doors, Inc.
- B. **Operation:** to be push/pull with rope.
- C. **Mounting:** to be interior face mounted on a prepared opening.

#### 1.02 RELATED WORK

- A. Opening preparation, access panels, finish or field painting is 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-G60\* and finished with baked epoxy primer and baked polyester topcoat.
- B. **Side Stripping:** P.V.C. to be attached to curtain edges.
- C. **Bottom Bar:** curtain to be reinforced with a bottom bar consisting of a 13 gauge galvanized steel angle with E.P.D.M. astragal.

#### 2.02 DRUM ASSEMBLY

- A. **Drum:** to be stamped from 18 gauge galvanized steel.
- B. **Torque Tube:** to be formed with 30 gauge galvanized steel sheet rolled around and attached to stamped galvanized steel drums to resist deflection to 0.03" per foot (2.5mm/m) of door width.
- C. **Springs:** to be oil tempered, grease packed helical torsion type designed to cycle 12,500 times with an overload factor of 25%. Springs are to be mounted on a 1.5/16" (33.34mm) black steel pipe of minimum Schedule 40.

#### 2.03 SUPPORT BRACKETS

- A. **Support Brackets:** 18 gauge galvanized steel to be stamped into a reinforced triangular configuration.

#### 2.04 OPERATION

- A. **Rope Pull:** to be 5/16" (8mm) polyester rope attached to bottom angle for up to 10' x 10' (3048mm x 3048mm) doors.

#### 2.05 GUIDE ASSEMBLY

- A. **Guides:** to be roll-formed 18 gauge galvanized steel channels.

#### 2.06 LOCKING

- A. **Curtain Mini-Lock:** to be 5/16" round steel slide bolts attached to curtain, suitable for padlocking. (Padlock by others.)

#### 2.07 FINISH

- A. **Ungalvanized Surfaces:** to be shop coated with rust reducing black prime paint.

### Part 3 - EXECUTION

#### 3.01 INSTALLATION

- A. **Installation:** to be by Porvene Doors, Inc. authorized representative according to Porvene Doors, Inc. standards and instructions.

\*A.S.T.M. A653 is the new designation of ASTM A527