

## Model 190 – Commercial Sheet Door

### Part 1- GENERAL

#### 1.01 DESCRIPTION

- A. Type:** Economy Commercial Sheet Doors to be manufactured by Asta America.
- B. Operation:** 4:1 Reduction Gear Chain Hoist.
- 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. Curtain:** 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:** nylon to be attached to curtain edges.
- C. Bottom Bar:** curtain to be reinforced with a bottom bar consisting of a continuous 2"x1-1/2"x12 gauge galvanized steel angle fastened to aluminum retainer with bulb astragal.

#### 2.02 SPRING COUNTERBALANCE

- A. Drum Assembly:** to be formed with 26 gauge 9 1/2" diameter galvanized steel spiral torque tube and attached to 20 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. Operation:** Rope pull up to 10'0" Wide x 10'0" High. Otherwise, Reduction gear chain hoist standard.

#### 2.04 SUPPORT BRACKETS

- A. Support Brackets:** to be 3/16" (4.76mm) thick structural steel angles.

#### 2.05 GUIDE ASSEMBLY

- A. Guides:** to be roll formed 14 gauge galvanized steel channels (2 1/4" deep per side).

#### 2.06 LOCKING

- A: Curtain Lock:** Dual galvanized steel slide bolt locks attached to the bottom bar suitable for padlocks. (Padlocks by Others)

- 2.07 FINISH:** galvanized and pre-painted with long-lasting silicone polyester paint guaranteed with a 25 year film integrity warranty to not crack, peel or blister. Additional guarantee up to 20 years against chalking and fading based on color chosen.

### Part 3 - EXECUTION

- 3.01 INSTALLATION:** to be by authorized representative according to Asta America standards and instructions.