

## Model 190 – Economy Commercial Sheet Door

### Part 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Type:** Economy Commercial Sheet Doors to be manufactured by Asta Door Corporation.
- 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. 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. Bottom Bar:** curtain to be reinforced with a bottom bar consisting of a continuous 2"x1-1/2"x16 gauge galvanized steel angle fastened to aluminum retainer with bulb 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. Chain Hoist Operation on all doors.

#### 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 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 bottom angle 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.