

## Model 231HD - Industrial Sheet Door

### Part 1 - GENERAL

#### 1.01 DESCRIPTION

**A. Type:** Industrial Sheet Doors to be manufactured by Asta Door Corporation.

**B. Operation:** to be rope pull or hand chain operated depending on size.

**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-G60 and finished with baked epoxy primer and baked polyester topcoat.

**B. Side Stripping:** p.v.c. rubber to be attached to curtain edges for up to 14' (4267mm) wide doors, otherwise tempered steel banding and p.v.c. rubber.

**C. Bottom Bar:** curtain to be reinforced with a bottom bar consisting of a 2" x 2" x 1/8" (50.8mm x 50.8mm x 3.18mm) structural steel angle with E.P.D.M. astragal.

#### 2.02 DRUM ASSEMBLY

**A. Drum:** to be formed with 26 gauge galvanized steel sheet rolled around and attached to stamped 16 gauge galvanized steel drums to restrict deflection to .03" per foot (2.5 mm/m) of door width.

**B. 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" hot rolled steel tubing minimum 11 gauge.

#### 2.03 SUPPORT BRACKETS

**A. Support Brackets:** to be 3/16" (4.76mm) thick structural steel angles and a 1/4" (6.35mm) thick steel diagonal brace welded in a triangular form to support ends of drum assembly.

#### 2.04 OPERATION

**A. Rope Pull:** to be 1/4" (6.35mm) polyester rope attached to bottom angle up to 10' x 10' (3048mm x 3048mm) doors.

**B. Chain Hoist:** to be cast iron pocket wheel drive with machine link hand chain for over 10' X 10' (3048mm x 3048mm) doors.

#### 2.05 GUIDE ASSEMBLY

**A. Guides:** to be roll formed 12 gauge galvanized steel channels.

**B. Guide Depth:** 3-1/2" deep per side to provide sheet penetration adequate for proper operation.

#### 2.06 WEATHER SEAL (Optional)

**A. Side Draft Stop:** to be closed cell ethafoam attached to edge of sheet (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. Hand Chain Lock:** bracket, to be mounted on guide angle or wall for chain operated doors.

**B. Curtain Lock:** to be hardened galvanized steel slide bolts attached to bottom angle suitable for padlocking. (padlock by others)

#### 2.08 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 Asta Door Corporation authorized representative according to Asta Door Corporation standards and instructions.