

## Model 322 - Commercial Slat Door / 22 Gauge

### Part 1 - GENERAL

#### 1.01 DESCRIPTION

- A. Type:** Standard Commercial Slat Doors to be manufactured by Asta Door Corporation.
- B. Operation:** to be chain hoist operated using gear reduction.
- 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. Slats:** 22 gauge galvanized steel cold roll formed in continuous lengths. Galvanized according to A.S.T.M. A653-G90 and finished with baked epoxy primer and baked polyester top coat.
- B. Endlocks:** each end of alternate slats to be fitted with endlocks to provide a wearing surface in the guides and to maintain slat alignment. Fastened with 1/4" rivets.
- 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 4.76mm) structural steel angle with E.P.D.M. astragal.

#### 2.02 DRUM ASSEMBLY

- A. Drum:** to be formed with 24 gauge galvanized steel sheet rolled around and attached to stamped 16 gauge galvanized steel drums to restrict deflection to .03" per foot (2.5mm/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" (25.4mm) black steel pipe of minimum Schedule 40.
- C. End Bearings:** to be self lubricating ball bearings.

#### 2.03 SUPPORT BRACKETS

- A. Support Brackets:** to be 3/16" (4.76mm) thick 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. Drive:** to be cast iron reduction or roller chain reduction.
- B. Hand Chain:** to be galvanized machine link. Pull not to exceed 35 lbs. (156 N).

#### 2.05 GUIDE ASSEMBLY

- A. Guides:** to be roll formed 14 gauge galvanized steel channels.
- B. Guide Depth:** to provide slat penetration adequate to satisfy specified windloading.

#### 2.06 LOCKING

- A. Hand Chain Lock:** bracket, to be mounted on guide angle or wall.
- B. Curtain Lock:** hardened galvanized steel slide bolts attached to bottom angle 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 Asta Door Corporation authorized representative according to Asta Door Corporation standards and instructions.