

Model 231 - 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

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 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 14 gauge galvanized steel channels.

B. Guide Depth: 2-1/2" 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.