JANUS INTERNATIONAL GROUP

SPECIFICATIONS 08330

400 Series - Standard Rolling Steel Door

Part 1 - GENERAL

1.01 DESCRIPTION

A. Type: Standard Rolling Steel Doors to be manufactured by Janus
B. Operation: standard chain hoist operation, roller chains and sprockets. Hand chain galvanized machine link to pull 35 lbs. or less. Electric motor operation or crank optional.
C. Mounting: to be interior face mounted on a prepared opening, between jamb under lintel, between jamb face of wall or exterior.

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: Galvanized steel cold roll formed in continuous lengths. Galvanized according to A.S.T.M. A653-G90 and finished with baked epoxy primer and/or baked polyester topcoat (finish colors listed below). Flat slat 2-5/8" x 5/8" or Curved slat 2-5/8" x 7/8"
1. Model 424- 24 gauge in flat or curved slat up to 20' (6.1m) wide x 16' (4.88) high
2. Model 422- 22 gauge in flat or curved slat up to 24' (7.32m) wide x 24' (7.32m) high
3. Model 420- 20 gauge in flat or curved slat up to 26' (7.92m) wide x 26' (7.92m) high or 40' (12.19m) wide x 14' (4.27m) high
4. Model 418- 18 gauge in flat or curved slat up to 30' (9.14m) wide x 30' (9.14m) high or 44' (13.41m) wide x 18' (5.49m) high *Note: Larger sizes are available, contact customer service for details*.

B. Endlocks: each end of alternate slats to be fitted with malleable iron endlocks to maintain slat alignment. Windlocks to be used on larger size doors and all Windload certified doors.
C. Windload (standard): door construction designed to meet or exceed a windload of 20 PSF or 90 M.P.H. Consult factory for available sizes.
Optional Windload-
1.Windload Certified
2.Impact Rated

D. Bottom Bar: curtain to be reinforced with a bottom bar consisting of two steel angles bolted back-to-back with bottom astragal, painted black (powder coat optional).

2.02 BARREL ASSEMBLY

A. Barrel: to be a steel pipe of diameter and wall thickness to restrict maximum 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 25,000 times. Springs are to be mounted on a cold rolled steel inner shaft.
C. End Bearing: to be self lubricating ball bearings or oil impregnated bronze bushings.

2.03 BRACKET PLATES

A. **Bracket Plates:** to be 1/4" (6.35mm) minimum thickness steel plate and enclose ends of barrel assembly.
B. **Drive End Bracket Plate:** to be fitted with a self-aligning sealed ball bearing.

2.04 OPERATION

A.
B. **Chain Hoist:** to consist of roller chains and sprockets.
Hand Chain: to be galvanized machine link. Pull not to exceed 35 lbs.
C. (156 N).
D. **Electric Motor Operation:** to be front of hood mount or wall mounted.
Crank Operation: to be operated with a awning crank and crank handle

2.05 GUIDE ASSEMBLY

A. Wall Angles: to be 3/16" (4.76mm) minimum thickness structural steel angles.
B. Guides: to be structural steel angles 3/16" (4.76mm) minimum thickness with removable headstops and 30" (762mm) service cutout on both sides.
C. Guide Depth: to provide slat penetration adequate to satisfy specified windloading.
D. Weather Seal: optional non-coil side to be vinyl weather seal (optional aluminum retainer with brush seal).

2.06 HOODS

A. Hoods: to be 24-gauge galvanized steel with baked epoxy primer and/or baked polyester topcoat and enclose coil (optional header seal or hood baffle).
B. Reinforcing: to be 1/4" (6.35mm) thick steel brackets for doors over 16'0" (4877mm) wide.

2.07 LOCKING

A. Hand Chain Lock: lockable bracket, mounted on guide angle or wall, suitable for padlocking (padlock by others).

2.08 FINISH

A. Ungalvanized Surfaces: to be shop coated with rust reducing black prime paint, except for the malleable iron endlocks.
B. Curtain:
1. Satin White Topcoat
2. Gray Topcoat
3. Tan Topcoat
4. Galvanized in 22 gauge only
5. Powder Coat Optional Ral. #

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Part 3 - EXECUTION

3.01 INSTALLATION

A. Installation: to be by Janus authorized representative according to Janus standards and instructions.