JANUS INTERNATIONAL GROUP

SPECIFICATIONS 08330

Model 624 – Winload Certified / Insulated Rolling Steel Door Foamed in Place (FIP) Urethane

PART 1 – GENERAL

1.01 DESCRIPTION

A. Type: Insulated Doors to be manufactured by Janus International Group.
B. Operation: standard chain hoist operated using gear reduction, motor operation optional.
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: 24 gauge (front) and 24 gauge (back) galvanized steel cold roll formed in continuous lengths. Galvanized according to A.S.T.M. A653- and finished with baked epoxy primer and baked polyester topcoat.
1. Model 624 is available in sizes up to 24' (7.32m) wide x 16' (4.88m) high.

B. Windlocks: 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. Windload Certified & Impact Rated Up To 24'-4" wide x 16'-4" high: Design pressures based on the test of a 24' wide +28.8/-30.5 psf and 16' wide +55/-60 psf windload pressure.
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).
E. Insulation: to be 3/4" foamed in place urethane to flat slat. (R = 7.2 U = .139)
F. Vision Lites: (Optional): 5" x ¾"

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 MOUNTING 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. Drive: to consist of roller chains and sprockets.
B. Hand Chain: to be galvanized machine link. Pull not to exceed 35 lbs. (156 N).

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 head stops.
C. Guide Depth: to provide slat penetration adequate to satisfy specified windloading.
D. Weather Seal: non-coil side to be vinyl weather seal.

2.06 HOODS

A. Hoods: to be 24 gauge galvanized steel with baked epoxy primer and baked polyester top coat and enclose coil.
8" P.V.C. baffle to be riveted to inside of hood.
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 malleable Endlocks.
Curtain finish options:
1. White topcoat
2. Gray topcoat
3. Tan topcoat

PART 3 - EXECUTION

3.01 INSTALLATION

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