

Wayne-Dalton Corp. Coiling Doors & Grilles

800-C Insulated Door Specifications

08330/WAY - BuyLine 1720

Note to specifiers: Words in parenthesis indicate options that need to be specified.

PART I- GENERAL

1.01 Work Included

A) The rolling doors will be Wayne-Dalton 800C Series Model as manufactured by Wayne-Dalton Corp.

1.02 Related Work

A) Opening preparation, miscellaneous or structural metal work, access panels, finish or field painting, field electrical wiring, wire, conduit, fuses, and disconnect switches are in the Scope of Work of other divisions or trades.

PART II- PRODUCT

2.01 Curtain

A) Curtain will be composed of interlocking steel galvanized prime painted #14 flat slats with galvanized prime painted 24 gauge back panels. The area between #14 slat and back panel will be filled by foaming-in-place with polyurethane insulation, R-value of 6.7. Curtain designed per ASTM standards and capable of withstanding 20 PSF windload. Ends of alternate slats to be fitted with metal windlocks.

Bottom Bar to be comprised of two equal sized structural steel angles, minimum 1/8" thick, fitted with vinyl bottom weatherseal. When additional security is required, provide [(slide bolts) (cylinder locks)] on the bottom bar operable from [(coil side) (opposite coil side) (both sides)].

2.02 Guides

A) Guides will be of roll-formed steel channels and angles or structural angles of steel to form a slot of sufficient depth to retain curtains in guides to resist 20 PSF windload. Guides will be provided with integral windlock bars and vinyl weatherstripping.

2.03 Brackets

A) Brackets will be of steel plates, 3/16" minimum, with permanently sealed ball bearings. Designed to enclose ends of coil and provide support for counterbalance pipe at each end.

2.04 Counterbalance

A) Curtain to be coiled on a pipe of sufficient size to carry door load with deflection not to exceed .03 inches per foot of door span and to be evenly balanced by helical springs, oil tempered torsion type designed with a 25% safety factor. Cast iron barrel plugs will be used to anchor springs to tension shaft and pipe.

2.05 Hood

A) Hood will be minimum 24 gauge galvanized sheet metal, flanged at top for attachment to header and flanged at bottom to provide longitudinal stiffness. Hood will enclose curtain coil and counterbalance mechanism. Includes neoprene hood baffle.

2.06 Finish

A) Shop coat of rust inhibitive primer on galvanized and non-galvanized surfaces and operating mechanisms. Guides and bracket plates will be coated with a flat black prime paint. Aluminum finish to be [(mill) (204R1 clear anodized) (bronze anodized)]. Stainless steel finish to be [(mill) (#4)].

800-C Insulated Door Specifications pg.2

2.07 Operation

A) Door will be operated by means of [(chain hoist) (awning crank) (wall crank box) (motor operation)]. [(Electric) (Pneumatic)] safety edge to be attached to bottom bar to [(stop) (stop and reverse)] the door when it contacts an object during the closing cycle.

2.08 Weatherstripping

A) Lintel weatherstripping will be of [nylon, straight bristle, brush type] weatherseal to effectively reduce air infiltration at lintel, and will be fitted with aluminum extrusion for easy attachment to header.

2.09 Locking

A) [(Chain-hoist door will have chain keepers suitable for padlocks by others). (Electric-motor operation doors will lock through the operator gearing). (Cylinder locks will be provided with the doors)].

CAUTION: When specifying slide bolts or cylinder locks on electric-motor doors, electric interlocks should also be specified to prevent operation when lock bolts are engaged in the guides.

PART III- EXECUTION

3.01 Install

A) Install the doors in accordance with Wayne-Dalton instructions and standards. Installation will be by an authorized Wayne-Dalton representative.