

Wayne-Dalton Corp. Coiling Doors & Grilles

Rolling Secur-Vent 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 opening will be Wayne-Dalton Secur-Vent 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 [(22 gauge - 2" flat) (20 gauge - 3" flat)] slats, rolled from [(galvanized, bonderized steel with grey, baked-on finish) (aluminum) (stainless steel)]. Curtains wider than 16' 0" will be composed of 20 gauge, No. 14 slats, rolled from [(galvanized, bonderized steel with grey, baked-on finish) (aluminum) (stainless steel)]. All curtains comply with ASTM standards and are designed to withstand 20 PSF windload. Ends of alternate slats to be fitted with metal windlocks.

Every other slat will be ventilated up to 14' 4" high.

Perforation on the flat portion of Secur-Vent slat consists of 3/32" diameter holes located on 5/32" staggered centers offering 25% open area over the entire length of each slat.

Bottom bar consists of two steel angles, minimum 1/8" thick, to stiffen the curtain. Loop astragal is included. 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) (stainless steel) (aluminum)] 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 bottom bar stops. Top of guide will be flared to reduce drag and wear.

2.03 Brackets

A) Brackets will be of steel plates, minimum 3/16". Designed to enclose ends of coil and provide support for counterbalance pipe at each end. The operator bracket has permanently sealed ball bearings. Round brackets are standard. Square brackets are available.

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 prime painted sheet metal, flanged at top for

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attachment to header and flanged at bottom to provide longitudinal stiffness. Hood will enclose curtain coil and counterbalance mechanism

2.06 Finish

A) Shop coat of rust inhibitive primer on galvanized and non-galvanized surfaces and operating mechanisms. If structural or 3" track used, the 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)].

2.07 Operation

A) Doors will be operated by means of [(manual, push-up) (chain hoist) (awning crank - (bracket) (wall mounted), or (motorized - (bracket) (wall mounted))]. [(Electrical) (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 Locking

A) [(Manual, push-up doors will have interior slide-bolts suitable for padlocks by others). (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 operated doors, electric interlocks should also be specified to prevent operation when lock bolts are engaged in the guides.

PART III- EXECUTION

3.01 Installation

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