

Richard-Wilcox – Rolltite R400

SECTION 08 33 23.02 – OVERHEAD COILING DOORS

PART 1 GENERAL

1.1 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Conference:
 - 1. Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.
 - 2. Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

1.2 SUBMITTALS

- A. Action Submittals:
 - 1. Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.
 - 2. Product Data: Manufacturer's descriptive data and product attributes.
 - 3. Samples: [Selection samples.] [Verification samples.]
- B. Closeout Submittals:
 - 1. Operation and Maintenance Data.

1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum [2] [] years' experience in work of this Section.

1.4 SYSTEM DESCRIPTION

- A. Design Requirements: Positive and negative design wind loads in accordance with [ASCE 7.] [Building Code.] [____.]
- B. Operation: [Manual, push up.] [Chain hoist.] [Electric.]

1.5 WARRANTY

- A. Manufacturer's 2 year warranty against defects in materials and workmanship.
- B. Manufacturer's 40 year warranty for coating film integrity and 35 year warranty against chalking and fading of coating.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Contract Documents are based on Series 400 by Richards-Wilcox, www.rwdoors.com.
- B. Substitutions: [Refer to Division 01.] [Not permitted.]

2.2 MATERIALS

- A. Galvanized Steel: ASTM A653/A653M, Structural Quality, G90 coating class.

**** OR ****

B. Stainless Steel: ASTM A666, Type [304.] [316.]

**** OR ****

C. Aluminum:

1. Extrusions: ASTM B221.
2. Sheet: ASTM B209.

2.3 COMPONENTS

A. Curtain:

1. Material: [18] [20] [22] [24] gage [galvanized steel.] [stainless steel.] [aluminum.]
2. Slat profile: [Flat.] [Curved.] [Perforated.]
3. Endlocks: Ends of alternate slats fitted with endlocks.
4. Bottom bar: Steel, double angle, with weatherseal
5. Vision panels: 5 x ¾ inch cut outs spaced approximately 3 inches apart, covered with clear Lexan.
6. Locking: [Slide bolts mounted on bottom bar, with padlock provisions.] [Chain lock.]

B. Hood:

1. 24 gage [galvanized steel] [stainless steel] [aluminum], with closed ends.
2. 8 inch wide PVC rubber baffle riveted to inside of hood.

C. Guides:

1. 12 gage galvanized steel.
2. Weather seal: [Single piece vinyl weather seal attached to door guide on non-coil side.] [Brush seal with retainer.]

D. Barrel Assembly:

1. Barrel: Steel pipe, size and wall thickness to limit deflection to 0.03 inch per foot of width,
2. Springs: Oil tempered, helical torsion springs, [25,000] [50,000] [100,000] cycle life, mounted on steel inner shaft
3. End bearings: Self-lubricating ball bearings.

E. Support Brackets: Steel.

F. Operator: [Manaras Model OGH-6112.] [LiftMaster Model MH.] [LiftMaster Model H.] [LiftMaster Model GH.]

2.4 FINISHES

A. Galvanized Steel: [Prime painted.] [Powder coated, [_____] color [to be selected from manufacturer's full color range].

**** OR ****

B. Stainless Steel: No. 4 satin.

**** OR ****

C. Aluminum: [Clear anodized.] [Powder coated, [_____] color [to be selected from manufacturer's full color range].

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved Shop Drawings.

END OF SECTION