Richard-Wilcox – Rolltite R700

SECTION 08 33 13.01 – COILING COUNTER SHUTTERS

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.] [Reduced drive crank.]

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 R700 by Richard-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. Aluminum:
   1. Extrusions: ASTM B221.
   2. Sheet: ASTM B209.

2.3 COMPONENTS

A. Curtain:
   1. Material: 22 gage [galvanized steel.] [aluminum.]
   2. Slat profile: Flat.
   3. Slat size: 1-1/2 inch face width x ½ inch depth.
   4. Endlocks: Ends of alternate slats fitted with endlocks.
   5. Bottom bar: Extruded aluminum, single angle, with dual slide bolts and bottom astragal.
   6. Locks: Keyed cylinder type; key locks [alike.] [differently.] [as directed by Owner.] Furnish [2] [__] keys per lock.

B. Hood: [24 gage galvanized steel sheet] [0.0201 inch thick aluminum sheet], with closed ends.

C. Guides: Box shaped, extruded aluminum, two-piece configurations with soft brush guide runners, bell mouths, and head stop.

D. Barrel Assembly:
   1. Barrel: Minimum 4-1/2 inch O.D. pipe; maximum 0.03 inch deflection per foot under full load.
   2. Spring: Spring tension assembly supported within barrel by precision ball bearings.
   3. Counterbalance: Curtain weight counterbalanced by oil-tempered, helically wound torsion springs, grease packed and mounted to steel torsion shaft.
   4. Spring assembly life cycle: [20,000] [__] cycles.

E. Head Plates: Steel plate.

2.4 FINISHES

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

**** OR ****

B. Galvanized Steel: [Prime painted.] [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