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SECTION 08 33 23.02 – OVERHEAD COILING DOORS

 GENERAL

 ADMINISTRATIVE REQUIREMENTS

 Pre-Installation Conference:

 Attendance: [Architect,] [Owner,] [Contractor,] [Construction Manager,] [Design/Builder] installer, and related trades.

 Review: Project conditions, manufacturer requirements, delivery and storage, staging and sequencing, and protection of completed work.

 SUBMITTALS

 Action Submittals:

 Shop Drawings: Illustrate products, installation, and relationship to adjacent construction.

 Product Data: Manufacturer’s descriptive data and product attributes.

 Samples: [Selection samples.] [Verification samples.]

 Closeout Submittals:

 Operation and Maintenance Data.

 QUALITY ASSURANCE

 Installer Qualifications: Minimum [2] [\_\_] years’ experience in work of this Section.

 SYSTEM DESCRIPTION

 Design Requirements: Positive and negative design wind loads in accordance with [ASCE 7.] [Building Code.] [\_\_\_\_.]

 Operation: [Manual, push up.] [Chain hoist.] [Electric.]

 WARRANTY

 Manufacturer’s 2 year warranty against defects in materials and workmanship.

 Manufacturer’s 40 year warranty for coating film integrity and 35 year warranty against chalking and fading of coating.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on Series 400 by ASTA America, [www.astaamerica.com](http://www.astaamerica.com).

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MATERIALS

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

\*\*\*\* OR \*\*\*\*

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

\*\*\*\* OR \*\*\*\*

 Aluminum:

 Extrusions: ASTM B221.

 Sheet: ASTM B209.

 COMPONENTS

 Curtain:

 Material: [18] [20] [22] [24] gage [galvanized steel.] [ stainless steel.] [aluminum.]

 Slat profile: [Flat.] [Curved.] [Perforated.]

 Endlocks: Ends of alternate slats fitted with endlocks.

 Bottom bar: Steel, double angle, with weatherseal

 Vision panels: 5 x ¾ inch cut outs spaced approximately 3 inches apart, covered with clear Lexan.

 Locking: [Slide bolts mounted on bottom bar, with padlock provisions.] [Chain lock.]

 Hood:

 24 gage [galvanized steel] [stainless steel] [aluminum], with closed ends.

 8 inch wide PVC rubber baffle riveted to inside of hood.

 Guides:

 12 gage galvanized steel.

 Weather seal: [Single piece vinyl weather seal attached to door guide on non-coil side.] [Brush seal with retainer.]

 Barrel Assembly:

 Barrel: Steel pipe, size and wall thickness to limit deflection to 0.03 inch per foot of width,

 Springs: Oil tempered, helical torsion springs, [25,000] [50,000] [100,000] cycle life, mounted on steel inner shaft

 End bearings: Self-lubricating ball bearings.

 Support Brackets: Steel.

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

 FINISHES

 Galvanized Steel: [Prime painted.] [Powder coated, [\_\_\_\_] color [to be selected from manufacturer’s full color range].

\*\*\*\* OR \*\*\*\*

 Stainless Steel: No. 4 satin.

\*\*\*\* OR \*\*\*\*

 Aluminum: [Clear anodized.] [Powder coated, [\_\_\_\_] color [to be selected from manufacturer’s full color range].

 EXECUTION

 INSTALLATION

 Install in accordance with manufacturer’s instructions and approved Shop Drawings.

END OF SECTION