

SECTION 08 33 13

COILING COUNTER DOORS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Roll-up (coiling) counter doors.

1.02 RELATED SECTIONS

- A. Section 01 33 00 - Submittal Procedures
- B. Section 01 33 23 – Shop Drawings, Product Data, and Samples
- C. Section 01 78 23 – Operation and Maintenance Data

1.03 MEASUREMENT AND PAYMENT

- A. General: Separate measurement or payment will not be made for the work required under this Section. All costs in connection with the Work specified herein will be considered to be included or incidental to the Work of this Contract.

1.04 REFERENCES

- A. American Society for Testing and Materials (ASTM):
 1. ASTM A167 Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip

1.05 SUBMITTALS

- A. General: Refer to Section 01 33 00 - Submittal Procedures, and Section 01 33 23 - Shop Drawings, Product Data, and Samples, for submittal requirements and procedures.
- B. Shop Drawings and Product Data: Submit Shop Drawings and manufacturer's product data of roll-up counter doors, including materials, finishes, details of installation, associated accessories, and locking hardware.
- C. O & M Manual: Submit operation and maintenance manual in accordance with the requirements of Section 01 78 23 - Operation and Maintenance Data.

1.06 QUALITY ASSURANCE

- A. Provide the services of a manufacturer's representative, experienced in the installation, operation, and maintenance of overhead coiling counter doors of the type specified, for technical assistance and advice during installation and testing.

PART 2 - PRODUCTS**2.01 ROLL-UP (COILING) COUNTER DOORS**

- A. Type and Manufacture: Roll-up counter doors shall be complete, factory-fabricated door and frame assemblies, manufactured of 300 Series stainless steel, hand push-up or crank operated, mounted within the provided opening as indicated. Doors shall be counter-balanced for smooth and easy operation.
- B. Door Components:
1. Curtain: Interlocking slats, flat slat design, manufactured from ASTM A167 Series 300 stainless steel, minimum 22 gage. Size and style of slat shall be as selected by the Engineer from manufacturer's standards.
 2. Guides: 300-Series stainless-steel box guides.
 3. Footpiece: 300-Series stainless-steel tubular section with rubber bumper and with two recessed pulls for hand push-up operated doors.
 4. Hood: Minimum 24 gage 300 Series stainless steel.
 5. Weatherstripping: Wool pile at jambs for weatherproofing, dust protection, and to eliminate metal-to-metal contact.
 6. Security Hardware: Concealed slide bolt operated by thumb knob from interior side only.
 7. Fasteners: 300 Series stainless steel.
 8. Operation: Hand push-up operation for doors up to 4 feet 6 inches in width, and hand crank operation for doors more than 4 feet 6 inches in width.
 9. Gears: Cast iron, with gear ratio designed for maximum 30-pound manual effort.
 10. Counterbalancing: Adjustable oil-tempered torsion springs capable of counterbalancing weight of curtain; with barrel sized to limit deflection to 0.03 inch per foot.
 11. Finish: No. 4 polished satin finish for exposed stainless steel surfaces.

PART 3 - EXECUTION**3.01 INSTALLATION**

- A. Install roll-up (coiling) counter doors in accordance with the manufacturer's installation instructions and the approved Shop Drawings.
- B. Test, adjust, and service the door assembly as required for proper operation.

3.02 COMPLETION

- A. At completion, the counter door assembly shall be square, plumb, and level, accurately aligned, and securely anchored to the supporting structure.
- B. Roll-up counter doors shall operate smoothly, quietly, and free from binding, with the footpiece striking sill surface uniformly for its entire length.
- C. Exposed surfaces of assembly shall be clean and free from scratches, dents, tool marks, stains, discoloration, and other defects and damage.
- D. At completion, lubricate moving parts as required for a smooth and quiet operation. Clean and polish all exposed surfaces.

END OF SECTION 08 33 13