

## SECTION 08 33 00 - OVERHEAD COILING COUNTER DOORS

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Rolling counter doors.

#### 1.2 SUBMITTALS

- A. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- B. Shop Drawings:
  - 1. Provide drawings indicating guide details, head and jamb conditions, spring shafts, anchorage, accessories, finish colors, patterns and textures, operator mounts and other related information.
  - 2. Regulatory Requirements and Approvals: Provide shop drawings in compliance with local Authority Having Jurisdiction (AHJ).
- C. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.

#### 1.3 QUALITY ASSURANCE

- A. Installer Qualifications: Utilize an installer having demonstrated experience on projects of similar size and complexity, and trained and authorized by the door manufacturer to perform the work of this section.

#### 1.4 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

#### 1.5 WARRANTY

- A. Manufacturer's Warranty for Rolling Counter Doors: Provide manufacturer's standard warranty.
  - 1. One (1) year against defects in material and workmanship.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

- A. Raynor (Basis of Design)
- B. Atlas Door; Div. of Clopay Building Products Company, Inc.
- C. Wayne-Dalton Corp.
- D. Overhead Door Corp., Inc.

## 2.2 ROLLING COUNTER DOORS

- A. DuraShutter as manufactured by Raynor Garage Doors:
1. Doors:
    - a. Operation:
      - 1) Provide doors designed for push-up operation.
    - b. Mounting: Door guide mounting configuration.
      - 1) To face of wall on each side of door opening.
    - c. Mounting: Integral frame as follows:
      - 1) Painted Build-in Frame: For use with masonry wall construction. Color and finish to match guides and curtain.
  2. Curtain: Interlocking slats as specified below. Endlocks shall be attached to each of alternate slat to prevent lateral movement.
    - a. Slat Type(s):
      - 1) Extruded aluminum flat slat (0.050 inch minimum thickness).
    - b. Material:
      - 1) Aluminum in accordance with ASTM B-221, alloy 6063, temper T6.
    - c. Color and Finish:
      - 1) Clear anodize finish.
  3. Endlocks: Zinc-plated stamped steel endlocks fastened with zinc-plated steel rivets.
  4. Bottom Bar: Tubular type, with 1/4 inch (6.3) thick protective strip to cushion impact of bottom bar on counter top.
    - a. Material:
      - 1) Extruded aluminum (0.078 inch minimum thickness).
    - b. Color and finish:
      - 1) Aluminum bottom bar to be clear anodize finish to match curtain.
  5. Guide Assemblies: Guides shall be provided in the same material and finish as the curtain, and fitted with removable curtain stops.
    - a. Material and Finish:
      - 1) Extruded aluminum (0.050 inch minimum thickness) to have clear anodize finish to match curtain.
    - b. Wear strips: Wool-pile to be attached to the inside of the guides to reduce wear and noise.
    - c. Guide Weatherseals: Seals to inhibit air infiltration between the guide and the curtain.
      - 1) Brushseal with an aluminum retainer attached to the guide assembly.

6. Counterbalance:
  - a. Barrel: Minimum 4-1/2 inches (114.3 mm) O.D. and 0.120 inch (3.1 mm) wall thickness structural steel pipe. Deflection of pipe under full load shall not exceed 0.03 inch (0.8 mm) per foot of span.
  - b. Counterbalance: Provide counterbalance mechanism with helical torsion springs, grease packed and mounted on a continuous steel torsion shaft.
    - 1) Standard 7,500 cycles.
    - 2) High \_\_\_\_\_ cycles.
7. Brackets: Mounting brackets shall be 10 gauge galvanized steel (0.130 inch minimum thickness) attached to the guide assembly.
8. Enclosures:
  - a. Hood Type: Hood to be a square type and to be attached to the brackets.
  - b. Bracket Side Covers: Covers to enclose door mechanisms.
  - c. Material:
    - 1) 18 gauge aluminum (0.040 inch minimum thickness) in accordance with ASTM B-209, alloy 5005, temper H34.
  - d. Color and Finish:
    - 1) Clear anodize finish.
9. Header Weatherseal: Provide a brushseal to inhibit air infiltration between the header and the curtain.
10. Locks: Furnish door system with the following:
  - a. Locking Bar: For push-up doors and doors, locks to be thumb turn cylinders and bars to engage both guides.
11. Operator: Provide Raynor ControlHoist 2.0 Optima or equal

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared. Verify that site conditions are acceptable for installation of doors, operators, controls and accessories. Ensure that openings are square, flush and plumb.

### 3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.3 INSTALLATION

- A. General: Install door, guides and operating equipment complete with all necessary accessories and hardware according to shop drawings, manufacturer's instructions.
- B. Lubricate bearings and sliding parts, assure weather tight fit around door perimeter and adjust doors for proper operation, balance, clearance and similar requirements.

#### 3.4 PROTECTION

- A. Clean installed products in accordance with manufacturer's instructions prior to Owner's acceptance. Remove and legally dispose of construction debris from project site.
- B. Remove temporary coverings and protection of adjacent work areas. Repair or replace installed products damaged prior to or during installation.
- C. Protect installed products until completion of project.
- D. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION