

DIVISION 8 – DOORS AND WINDOWS

SECTION 08360

ROLLING COUNTER SHUTTERS

PART 1 GENERAL

1.01 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specifications Sections, apply to this Section.
- B. Related Sections:
 - 1. Division 1 – Section 01001 Basic Requirements
 - 2. Division 6 – Section 06100 Rough Carpentry
 - 3. Division 6 – Section 06200 Finish Carpentry

1.02 SECTION INCLUDES:

- A. Furnish and Install One (1) Rolling Aluminum Counter Shutter including accessories as shown on the drawings and herein specified.
- B. Opening preparation, structural metal work, access panels, finish or field painting, are in the scope of the work of other divisions or trades.

1.03 SUBMITTALS:

- A. Shop drawings and schedule indicating profile, size, connection attachment, reinforcing, anchorage, finishes and operating portions.

1.04 DELIVERY, STORAGE AND HANDLING:

- A. Deliver rolling aluminum counter shutter door to job site in original, unopened package and store it in a fully enclosed space where it will be protected against damage from moisture, direct sunlight, surface contamination or other causes.
- B. Before installing unit, make sure that all operating parts function as they should and there are no dents, scratches or other blemishes.

PART 2 PRODUCT

2.01 MANUFACTURERS

- A. Approved Manufacturers
 - 1. Raynor Garage Doors
 - 2. Windsor
 - 3. Overhead Door
 - 4. Cookson

2.02 CURTAIN

- A. The door curtain shall be constructed of interconnected .050 extruded aluminum N0.8 (1-5/16" high by 3/8" deep slats as designated by the Cookson Company. The curtain shall receive a 204-R1 Dark Bronze finish.

2.03 BOTTOM BAR

- A. The bottom bar shall be constructed of tubular extruded aluminum measuring 1-5/16" deep by 2 1/4" high with a double vinyl astragal on the bottom edge. The bottom bar shall receive a 204-R1 dark bronze anodized finish.

2.04 GUIDES

- A. The guides shall be constructed of extruded aluminum and measures 1 3/4" square. Each side of the channel portion capturing the curtain shall contain wool pile weatherstripping. The guides shall receive a 204-R1 dark bronze anodized finish.

2.05 BRACKETS

- A. The brackets shall be constructed of 3/16" thick die cast aluminum.

2.06 BARREL/COUNTERBALANCE

- A. The barrel shall be steel tubing of not less than 4" in diameter. Oil tempered torsion springs shall be capable of correctly counter balancing the weight of the curtain. The barrel shall be designed to limit the maximum deflection to .03" per foot of opening width. The barrel shall received one (1) coat of bronze rust-inhibiting prime paint.

2.07 HOOD

- A. The hood shall be fabricated from .040 aluminum and shall be formed to fit the square brackets. The hood shall receive a 204-R1 dark bronze anodized finish.

2.08 OPERATION

- A. Push-up operated doors shall open and close with a maximum of 30 pounds of effort utilizing finger lifts in the bottom bar. This type of operation should not be used for doors over 12 feet wide.

2.09 LOCKING MECHANISMS

- A. The push-up doors shall be secured by means of a concealed sliding bolt deadlock in the bottom bar operated by a thumbturn.

2.09 FINISH

- A. Dark Bronze Aluminum Finish to match building door hardware.

2.10 WARRANTY

- A. Rolling Steel Counter Shutter and it's components shall be free from defects in material and workmanship for a period of one year from the date of delivery to the original purchaser.

PART 3 EXECUTION

3.01 INSTALLATION

- A. The Rolling Steel Counter Shutter Door shall be installed by an authorized door distributor.

3.02 PROTECTION AND CLEANING

- A. After completion of rolling steel counter shutter installation, unit shall be inspected, put into working order and left clean, free of labels, dirt, etc. Protection from this point shall be the responsibility of the General Contractor.

3.03 SCHEDULE:

- A. Serving Room #117 Door 18: One (1) rolling aluminum counter shutter shall be installed in the Serving Room and shall fit the prescribed opening designated which is approximately 6 feet wide by 4 feet 2 inches high.

END OF SECTION 08360