

# Wayne-Dalton Corp. Upward Acting Sectional Doors

## Thermospan® 125 Specifications

08360/WAY - BuyLine 0261

*Note to specifiers: Words in parenthesis indicate options that need to be specified.*

### **PART I- GENERAL**

#### 1.01 Work Included

A) The sectional doors will be Wayne-Dalton (Thermospan® 125) as manufactured by Wayne-Dalton Corp.

#### 1.02 Related Work

A) Opening preparation, miscellaneous or structural metal work, access panels finish or field painting, field electrical wiring, wire conduit, fuses, and disconnect switches are in the Scope of Work of other divisions or trades.

### **PART II- PRODUCT**

#### 2.01 Door Sections

A) Will be of hot-dipped galvanized structural quality steel/polyurethane/steel sandwich type construction with a calculated R-value of 10.79, in accordance with industry guidelines. The exterior skin will be pre-painted with baked-on polyester primer and finish coat and feature non-repeating random stucco embossed texture. The interior skin will be pre-painted with polyester primer and white polyester finish coat, and have two 1-3/4" integral ribs per section. Ends of sections have full-height 18 ga. (min.) hot-dipped galvanized steel end caps. The void between the hot-dipped galvanized steel interior and exterior skins will be completely filled by a foamed-in-place CFC free polyurethane core. Total thickness is 3/4". Ends of sections will be sealed with mastic to protect against moisture and preserve insulation properties. Doors will be equipped with integral tongue-in-groove section design and provided with a two-piece "bulb" shaped astragal for the bottom section.

#### 2.02 Track

A) All track, vertical mounting angles and brackets will be commercial quality steel minimum 16 gauge thickness, hot-dipped galvanized. Track is 2" standard. Vertical track to be graduated providing wedge type weathertight closing with (bracket mounting for wood jambs) (continuous angle mounting for wood jambs) (continuous reverse angle mounting for steel jambs), and are fully adjustable to seal door at jambs. Horizontal track will be reinforced with continuous angle of adequate length and gauge to help prevent deflection.

#### 2.03 Hardware

A) Hinge & Roller Assembly - All hinges and brackets will be made from hot-dipped, galvanized steel. Track rollers will be case-hardened inner steel races with 10-ball, two-inch roller. All factory authorized attachments will be made at locations indicated and reinforced with additional backup plates.

#### 2.04 Counterbalance

A) Springs will be torsion type, low-stress, helical wound, oil-tempered spring wire to provide minimum 10,000 cycles of use - or meet specified cycles - on continuous steel shaft; (solid CRS). Spring fittings and drums will be made of die cast, high-strength aluminum. Pre-formed galvanized steel aircraft cable shall provide a minimum of a 5:1 safety factor. (Long life springs of 25,000, 50,000 or 100,000 cycles may be specified and are recommended for high usage doors).

#### 2.05 Weather Stripping

A) (Optional field-installed jamb/perimeter seals are available).

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## 2.06 Locks

A) Will engage at the right-hand vertical track and utilize an interior side lock. (Standard size rim cylinder short lock bar).

## 2.07 Glazing

A) Will be 1/8" SSB glass - 24" x 6 - set in two-piece molded high-impact polymer frames) (1/8" DSB, acrylic or polycarbonate is available).

## 2.08 Windload

A) Per DASMA 102-2003 and as required by local codes.

## 2.09 Options

A) Chain hoist or motor operator.

## **PART III- EXECUTION**

### 3.01 Install

A) The doors in accordance with Wayne-Dalton Corp. instructions and standards. Installation will be by authorized Wayne-Dalton representative.