

# Wayne-Dalton Corp. Upward Acting Sectional Doors

## Thermospan® 150 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® 150) as manufactured by Wayne-Dalton Corp.

#### 1.02 Related Work

B) 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 to include a thermal break and have a calculated "R"-value of 14.16, in accordance with industry guidelines. The exterior skin .010" (min.) will be pre-painted with a polyester primer, polyester finish coat, and feature non-repeating random stucco embossed texture. The interior skin .015" (min.) will be hot-dipped galvanized steel, 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.) (16 ga. available) 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 and separated by a factory extruded thermal break. Total thickness is 1-3/8". Doors will be equipped with integral tongue-in-groove section design with factory installed section joint seals 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 ga. thickness, hot-dipped galvanized. Track is (2") (3") standard or as specified. 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) (three-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).

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## 2.05 Weather Stripping

A) (Optional factory- installed top section header seal or field-installed jamb/perimeter seals are available).

## 2.06 Locks

A) Will engage right-hand vertical track and utilize an interior side lock. (Standard size rim cylinder short lock bar or 2" track only double lock bar that engages both vertical tracks are available).

## 2.07 Glazing

A) (Will be sealed 1/2" insulated glass window units - 24" x 6" - set in two-piece molded high-impact polymer frames) (1/4" single pane glazing available). (Prepainted aluminum full view sections also available with various choices of glazing materials).

## 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.