

TECHNICAL SPECIFICATIONS

Olympus 500, 400

PART 1 GENERAL

1.01 Section

Sectional Doors are to be the Olympus 400 or Olympus 500 model as supplied by Amarr Garage Doors. Operation to be manual pushup. Mounting to be interior face mounted on a prepared surface.

1.02 Quality Assurance

Doors shall be insulated steel sectional overhead type. Each door includes sections, brackets, tracks, counterbalance mechanisms and hardware to suit the opening and headroom available.

1.03 Related Work

Opening preparation, electrical wiring, miscellaneous or structural steel, finish or field painting is in the scope of the work of other sections or trades.

PART 2 PRODUCT

2.01 Door Sections

Steel sections shall be 2" (Olympus 500) or 1-3/8" (Olympus 400) thick sandwich construction consisting of exterior and interior steel skins, with foamed in-place polyurethane insulation. Steel skins shall be roll formed, hot-dipped galvanized (per ASTM A-525, A-526), Zinc phosphate pre-treatment with primer and baked-on polyester top coat. Door shall have tongue and groove joint system with EPDM thermal break and weather-strip between section joints. Door sections shall be constructed of 25 gauge exterior and 27 gauge interior skins. Exterior skin to have woodgrain embossed texture, interior skin to have stucco embossed texture. The exterior steel skin has raised panels. Sections shall be insulated with CFC free polyurethane, foamed in place by means of a continuous process. Interior skin of each section shall have one 20 gauge 3-3/4" x 10" wide backer plate at top and bottom of section at each hinge location to provide for mounting of full hinges. Galvanized steel step plate/lift handle provided on bottom section. End stiles to be 20ga standard. Standard maximum door size is 20'0" wide x 14'0" high.

2.02 Finish

The door exterior and interior is pre-painted steel consisting of a phosphate coating over hot-dipped galvanization applied to the base metal. A .2 mil baked-on prime coat is applied and then a .8 mil baked-on polyester top-coat is applied for ultimate rust protection. Sections are available in white, almond, sandtone and brown exterior finish. The paint finish carries a limited lifetime warranty.

2.03 Energy Values

Model Olympus 400 Olympus 500
Section: R-value 14.46 19.40

2.04 Insulation

2" or 1-3/8" thick foamed in place CFC free expanded polyurethane core.

2.05 Weather-stripping

Full length dual contact EPDM rubber bottom seal is attached to bottom section. Perimeter seal for header and jambs is optional.

Door Height	Sections High
6'6"	4
7'	4
8'	5
9'	6
10'	6
11'	7
12'	7

2.06 Track

Galvanized steel track shall be 2" or 3" as required. Reverse angle mounting is standard for steel jambs. Bracket mounting is standard for wood jambs. Vertical track to be minimum 17 gauge galvanized steel, incline through the use of adjustable brackets to assure weathertight closure at the jambs. Horizontal tracks to be min. 16 gauge galvanized steel, reinforced with 13 gauge galvanized steel angles as required by door size and weight.

2.07 Hardware

Hardware includes min. 14 gauge galvanized steel hinges and 13 gauge galvanized steel track brackets. All rollers to have 10-ball bearings with casehardened inner and outer races. Sliding end stile locking device with spring-loaded bolt for inside operation only. Doors 16'2" and wider will have double end hinges and stiles and long stem rollers. Galvanized struts (truss bars) supplied on all doors 12'0" and wider to prevent deflection no more than 1/120 of the spanned width when in the open position.

2.08 Spring Counterbalance

Extension springs for door counter-balance are mounted and attached to the supporting horizontal angle and back support of the horizontal track assembly. Each spring shall be equipped with a device capable of restraining the spring or any part thereof in case of breakage. Torsion springs for door counter-balance are mounted on a continuous cross header shaft. Springs are oil tempered, helical wound and custom computed for each door. Cable drums are die cast aluminum. Galvanized lift cable will provide minimum safety factor of five to one. Springs to comply with DASMA 102.

Options

2.11 Window Lites

Framed lites 18-1/16" x 10-5/8" viewable area for short panel construction can be installed in any section. SSB glass is standard.

2.12 Wind Load

Contact your Amarr Door Center for specific wind load applications.

2.13 High Cycle Springing

25,000; 50,000 or 100,000-cycle torsion springs available.

2.14 Locks

Interior sliding end stile lock with hole to receive padlock is standard. 5 pin cylinders lock with optional locking mechanism.

2.15 Track

Hi-lift, vertical-lift, low headroom and follow-the-roofline track is available. Bracket mount and reverse angle mount is also available.

2.16 Electric Operation

A full line of residential operators and accessories is available through any Amarr Door Center. Contact your Amarr Door Center for product information.

Part 3 EXECUTION

3.01 Installation

Installation to be by qualified dealer in accordance with Amarr's installation instructions and local building codes.

Contact: Amarr Garage Doors
165 Carriage Court
Winston-Salem, NC 27105
877-512-6277
www.amarr.com



