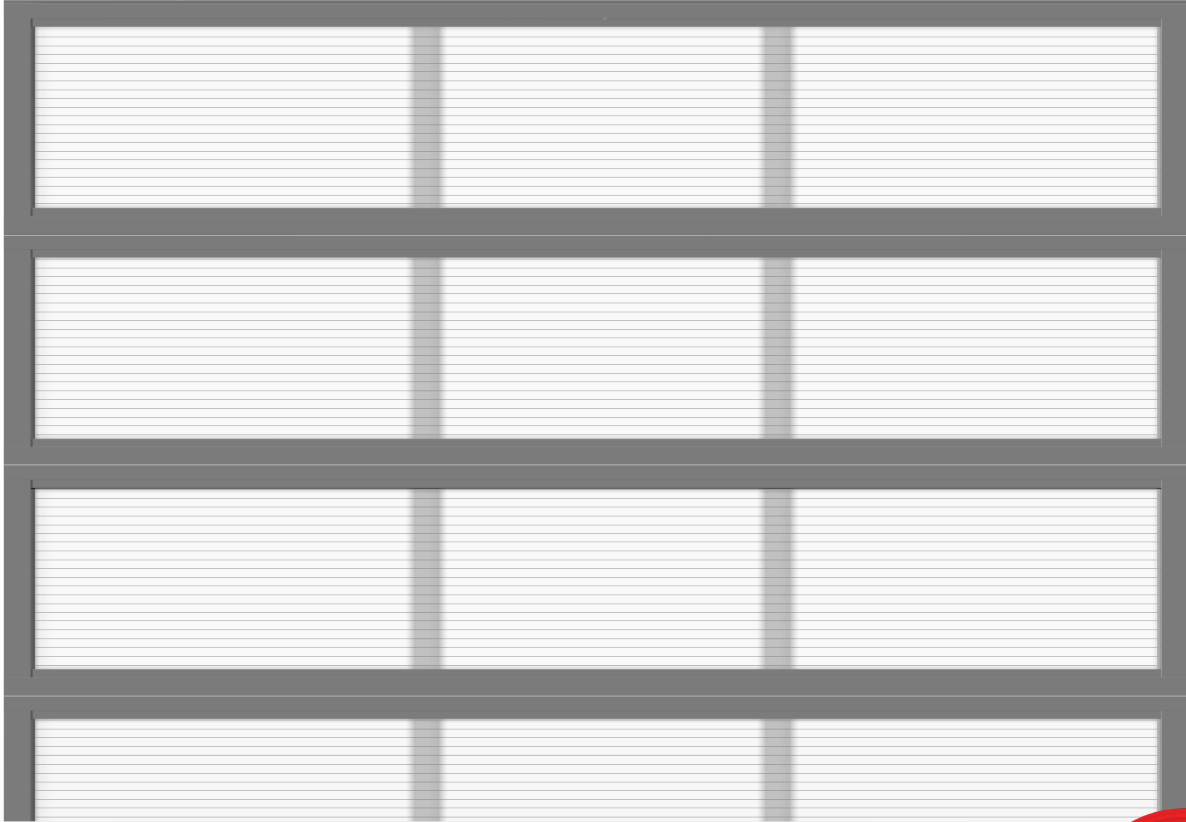




Richardson-Wilcox

Sectional Overhead Doors



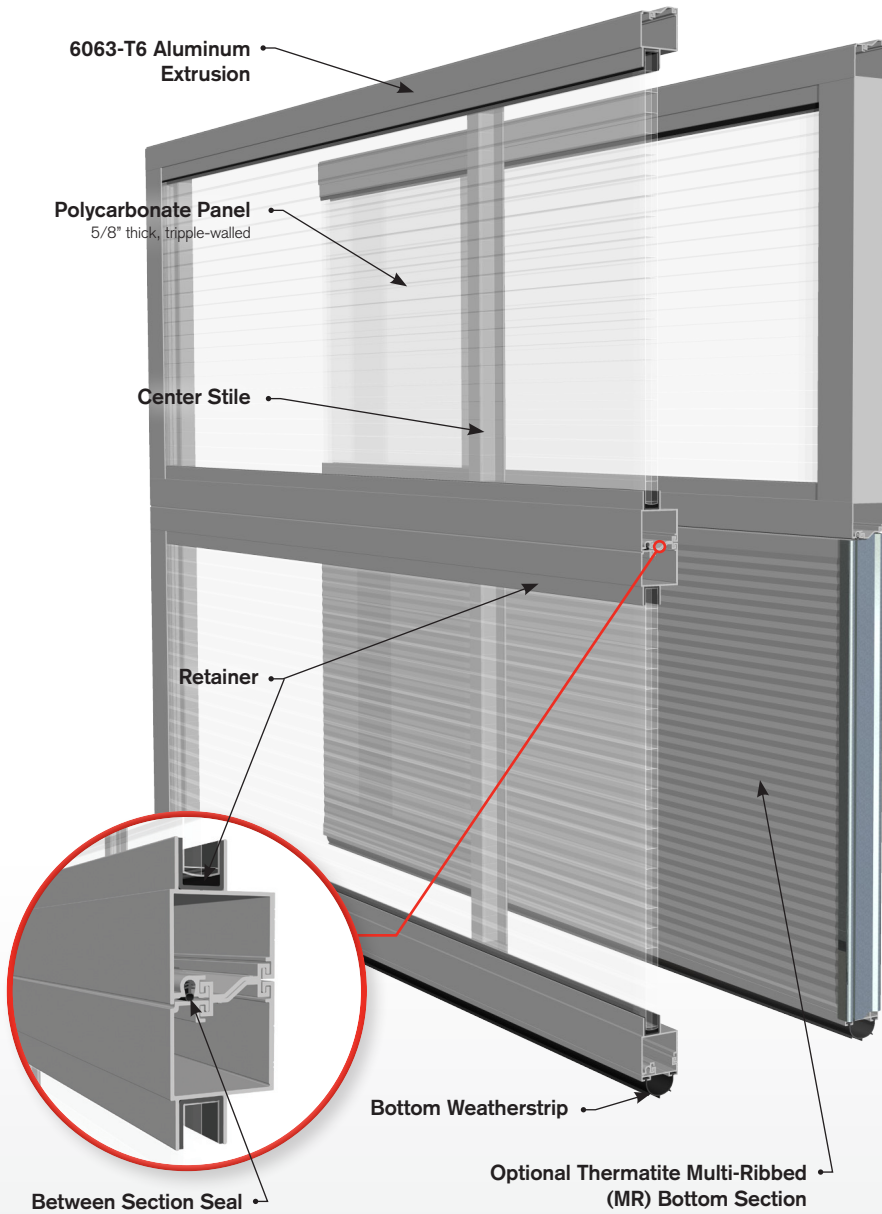
Polytite Sectional Polycarbonate Doors

P175, P175T



- Panels made with 5/8" (16mm) thick, triple-walled polycarbonate sheet are lightweight, providing easy operation with minimum stress on hardware components.
- Translucent polycarbonate panels provide a naturally-lit, inviting work environment and help reduce winter heating costs through the effects of solar heat gain.
- Polytite doors are extremely impact-resistant and can withstand long-term exposure to extreme elements such as sun, wind, rain and snow without cracking or splitting.
- Particularly suited for service garages but ideal for all types of industrial, agricultural, commercial, institutional and residential overhead door installations where an attractive, light-transmitting, strong, lightweight door is desired.
- P175T comes standard with insulated Thermatite kick panel section fabricated from pre-painted, hot dipped galvanized steel sheets with rigid polyurethane insulation core, face sheet stucco embossed and rib reinforced.

Product Specifications



Section & Stile Schedule

Door Height	Sections High	Door Width	# of Stiles
7'-1" to 8'-1" (2159mm to 2464mm)	4	Up to 9'-2" (2794mm)	1
8'-2" to 10'-1" (2489mm to 3073mm)	5	9'-3" to 12'-2" (2819mm to 3708mm)	2
10'-2" to 12'-1" (3099mm to 3683mm)	6	12'-3" to 16'-2" (3734mm to 4928mm)	3
12'-2" to 14'-1" (3708mm to 4293mm)	7	16'-3" to 19'-2" (4953mm to 5842mm)	4
14'-2" to 16'-1" (4318mm to 4902mm)	8	19'-3" to 24'-2" (5867mm to 7366mm)	5
16'-2" to 18'-1" (4928mm to 5512mm)	9		

Section Details

Section Thickness: 1 3/4" (45mm)
Section Height: 21" & 24" (533mm & 610mm)

Opening Widths

Basic Windload: 8'-0" – 16'-2" (2438mm – 4877mm)
15 psf Design: 8'-0" – 24'-2" (2438mm – 7366mm)
Custom Door Width: Up to 30'-2" (9195mm)

Polycarbonate Paneling

The external side of the Polycarbonate is protected with a coextruded layer warranting resistance to atmospheric agents and U.V. rays.

Thickness: 5/8" (16mm)
Structure: 3 layers
Weight: 0.553lbs/sq ft (2.69 kg/sq m)
R-Factor: 2.500 ft² hF/Btu
U-Factor: 2.271 W/m²K

Fire Reaction: ASTM E84-01 Flame spread and smoke Developed: Class A.

Solar Heat Gain Coefficient: Clear: 75; Bronze: 57; White: 63

Stock Colors: Clear, Dark Bronze, Western Bronze

Optional Colors: Green, Blue, Red, White
 (available upon request)

Section Framing

Fabricated from 6063-T6 aluminum alloy extrusions, extrusion thickness 0.063" (1.6mm) thick, and 0.090" (2.18mm) thick at hardware mounting locations.

End stiles: 2 1/2" (64mm) wide aluminum; Double end stiles for doors over 16'-2" (4928mm) wide

Center stiles: 3" (76mm) wide aluminum

Pair of meeting rails: 4 1/2" (114mm) high aluminum

Top Rail: 2 3/16" (56mm) high aluminum

Bottom rail: 2 9/16" (65mm) high aluminum

Stock Colors: Clear Anodized, Bronze, White

Reinforcement as required by windload

0.090" (2.18mm) thick aluminum extrusion for hardware mounting. Full width integral horizontal, reinforcement truss at meeting rails. Galvanized steel truss as required.

Optional Thermatite Multi-Ribbed (MR) Bottom Section

Insulated sections fabricated from pre-painted, hot dipped galvanized, steel sheet; with rigid polyurethane insulation core, CFC and HCFC free, face sheet stucco embossed and rib reinforced.

R-Factor: 16.000 ft² hF/Btu

U-Factor: 0.355 W/m²K

Stock Colours: White, Silver

Optional Accessories for Thermatite section:

- Exhaust port: 3" (75mm) / 4" (102mm) / 5" (127mm) diameter

Warranty

Polytite Panels: 10 years against breakage, excessive yellowing and loss of light transmission

Materials and workmanship: 1 year

Professionally installed and serviced by:



Richards-Wilcox Sectional Overhead Doors – Engineered for life

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