

specifications

general

- ▶ Available in 4.71" medium stile with 4.18" top rail and 7.17" bottom rail, or 3.15" narrow stile with 4.18" top rail and 4.18" bottom rail
- ▶ All dimensions include a .75" stop for Duo-Pane glazing
- ▶ Door frames, sidelites, and transoms shall be constructed using Western Window Systems' 4.5" deep frame system
- ▶ Single panel swing-out doors mounted in a Series 900 frame with Western Window Systems' E9860 1.69" residential step threshold shall conform to ASTM E283 for air infiltration, ASTM E547 for Water Penetration, ASTM E330 for Structural Performance
- ▶ Conforms to NFRC 100 for U-factor and NFRC 200 for Solar Heat Gain Coefficient (SHGC)

material

- ▶ Commercial quality 6063-T5 alloy and temper extruded aluminum
- ▶ Component parts and accessories shall be made of aluminum alloy, plated steel, stainless steel, or nonmetallic materials to resist deterioration and corrosion
- ▶ Thermally broken frames and panels available

construction

- ▶ All frame members are neatly fitted and mechanically joined at the corners with stainless steel screws
- ▶ Door rails (horizontal members) shall be designed to nest with stiles (vertical members) to eliminate daylight and shine at cut edge
- ▶ Door stiles shall be fabricated to achieve an interlock system that engages the rails and is secured with a tie rod assembly to ensure a permanent rigid connection at the top and bottom corners of the door panel
- ▶ Door panel stiles and rails shall have a nominal wall thickness of .125"
- ▶ Glazing will be secured with extruded aluminum snap-in stops that can be removed for re-glazing

specifications

finish

- ▶ Extruded aluminum members furnished from stock inventory available in dark bronze anodized and satin anodized
- ▶ Custom colors are available in both painted and anodized finishes
- ▶ Unless otherwise specified, painted finishes on extruded aluminum members shall conform to a minimum of AAMA 2605, Specification for High Performance Organic Coatings on Aluminum Extrusions and Panels
- ▶ Anodized finishes shall be Class 1 on dark bronze and satin anodized

glazing

- ▶ Insulating glass conforms to ASTM E774 specification for Sealed Insulating Glass
- ▶ Units shall have a dual seal of Thermo Plastic Spacer (TPS) and silicone
- ▶ Insulating glass manufactured using 5mm (3/16") thick glass with a minimum air gap of .50"
- ▶ When specified, single-pane glass shall be supplied in 5 mm (3/16") thick glass up to 32 square feet, and in 6mm (1/4") thick over 32 square feet
- ▶ Insulating and single-pane glass conforms to ASTM Specification C1036, Standard Specification for Flat Glass
- ▶ All glazing in doors shall be fully tempered

hardware

- ▶ Standard Type "A" locking hardware shall include a maximum-security plated steel lock case with latch bolt and lock bolt in one assembly, Eurostyle aluminum lever handles on the interior and exterior of all single doors, and active panels of pairs (dummy levers can be supplied on the inactive panel as an option)
- ▶ A thumb turn shall be supplied on the interior and a Schlage 5-pin C keyway cylinder on the exterior
- ▶ The door shall be mounted to the frame using a continuous aluminum hinge
- ▶ The inactive panel of pairs shall be equipped with top and bottom flush bolts and Western Window Systems' part E9150 astragal assembly

specifications

hardware continued

- ▶ Doorframes shall be equipped with a stainless steel frame strike with dust box and Western Window Systems' part E9860 1.69" tall, extruded aluminum threshold
- ▶ Lever handles, continuous hinge, threshold, and astragal shall be finished to match the frame
- ▶ Cylinders, thumb turns, flush bolts, and faceplates shall be finished in bronze for bronze frames and in satin for all other frame finishes
- ▶ Self-closing and self-latching hardware to meet swimming pool codes is available
- ▶ In addition to standard hardware, optional hardware with a 2.375" backset can be specified

screens

- ▶ Western Window Systems does not provide screens for hinged doors

weather stripping

- ▶ Black Santoprene bulb at the doorframe stop, full perimeter on swing-out doors and at jambs, and head only on swing-in doors
- ▶ Swing-in doors shall be equipped with multi-finger vinyl at the door bottom
- ▶ Glazing shall be accomplished using a black extruded EDPM bulb on the interior, and a non-stretch extruded EDPM rubber wedge on the exterior

installation

- ▶ Installation shall be in accordance with published instructions by Western Window Systems