

specifications

general

- ▶ Thermally controlled aluminum and glass hinged and fixed windows
- ▶ Conforms to AAMA/WDMA/CSA 101/I.S.2-A440 Specifications, CW PG40 Performance Grade Rating for casement, awning, and fixed windows, LC PG25 Performance Grade Rating for hopper windows
- ▶ 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

construction

- ▶ All frame members are neatly fitted, mechanically joined at the corners with stainless steel screws, and sealed with a high-grade silicone sealant
- ▶ Sash members mitered, mechanically joined with crimped aluminum corner keys, and sealed with high-grade silicone sealant
- ▶ Structural frame extruded shape with sash members that are full-hollow (tubular) extrusions
- ▶ All operating and fixed glazing (except in arches) held in place with extruded aluminum snap-in stops removable for re-glazing
- ▶ Stops in arches are applied with exposed screws

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

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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 3mm (1/8") thick glass up to 20 square feet, 5mm (3/16") thick glass over 20 to 40 square feet, and 6mm (1/4") thick glass over 40 square feet, all 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 6mm (1/4") thick glass over 32 square feet
- ▶ Insulating and single-pane glass conforms to ASTM Specification C1036, Standard Specification for Flat Glass

hardware

- ▶ Exposed hardware matches frame finish or brushed nickel finish
- ▶ Casement and awning windows utilize roto operators and folding crank handles or cam handles for push out sashes
- ▶ Casement windows from 24" to 120" in height equipped with a hidden multi-point locking system
- ▶ Push out casement windows from 36" to 72" in height can be equipped with cam handle locks
- ▶ Casements under 36" in height have two butt hinges
- ▶ Casements between 36" and 60" in height have three butt hinges
- ▶ Casements between 60" and 84" in height have four butt hinges
- ▶ Casements between 84" and 120" in height have five butt hinges
- ▶ Casements less than 24" in height have a single point lock
- ▶ Awning windows equipped with a scissor roto operator and heavy-duty concealed four bar hinges, optional electric operator or cam handle also available
- ▶ Hopper windows available with pawl handle or ring-pull latch with extension pole

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screens

- ▶ Each operating sash furnished with extruded aluminum screen frame finished to match the color of the window frame and wired with 18 x 16 charcoal-colored vinyl coated fiberglass mesh
- ▶ Casement and awning window screens are mounted to interior side of sash and feature a concealed clip system
- ▶ Hopper window screens are mounted to exterior side of sash and feature a concealed clip system
- ▶ Push out casement and awning windows are furnished without screens

weather stripping

- ▶ Shall be bulb vinyl and closed cell foam tape

installation

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