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## 3502 - 3 3/8" Single Hung

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Durability and energy efficiency are combined to provide the best aluminum window available

Our Single Hung Slider provides all the features required for use in cold climate areas. Efficient 1" insulated glazing in a thermally broke sash and frame, with a fully weather-stripped sash combine to reduce heating and cooling requirements. The interlocking mullion has been designed with a cam lock to provide maximum security. Available in 3 standard finishes or countless custom finishes, this window is the best choice for new construction or remodel work.

Minimum Rough Opening: Width - 12" Height - 24"

Vent Heights: Minimum - 12" Maximum - 36"

Minimum Egress Dimensions: 30 x 72 / 36 x 62 / 38 x 60

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## Specifications

### **GENERAL**

Sliding windows shall be Marlin series #3502 (thermally improved) as manufactured by Marlin Windows, and shall conform to ANSI/AAMA 101-88 DHC-C30. Series #3502 shall have a condensation resistance factor of 58.

### **MATERIALS**

All frame and sash members shall be aluminum extrusions of 6063-T5 alloy & temp. Frame and sash members shall have a rigid polyurethane "thermal barrier" as an integral part of the extrusion which eliminates all direct contact between the interior and exterior aluminum section.

### **FINISH**

Standard architectural Class II anodic color conforming to Aluminum Association AA-M12-C22-A34 for dark bronze or AA-M12-C22-A31 for clear anodize. (Architectural Class I and Class II anodic finishes and organic coatings available).

### **CONSTRUCTION**

Frame members shall be 3 3/8" in depth. Frame and vent corners shall be fabricated to form tight mitered joints. Fixed interlock members shall be fabricated to form tight butt-joints where joined to frame members. All joinery fastened securely with stainless steel self-tapping screws and sealed to prevent moisture and air infiltration. Sill members shall allow drainage of moisture to the exterior, but prevent direct inflow of wind, moisture, and dirt. Sill tracks shall be extruded as an integral part of the sill member. Extruded aluminum glass stops shall be fabricated to form tight butt-joints.

### **HARDWARE**

The sliding vent shall be counterbalanced with concealed block and tackle hardware. Rigid vinyl guides shall be located on the top and bottom rails at each corner of the sash to assure smooth operation. A continuous pull handle shall be part of the interlock stile. A thumb operated latch shall be attached to the interlock stile and shall engage a channel in the fixed interlock when the sash is fully closed.

### **WEATHERSTRIPPING**

Ventilating sash shall have continuous weather stripping of silicone treated wool pile incorporating a polypropylene fin to ensure longer life with better resistance to wind and moisture infiltration. Weather stripping shall extend around the entire perimeter of the vent.

### **GLAZING**

Marlin series 3502 shall be glazed with 1" overall insulating glass. The ventilator shall be "marine" type glazed with a continuous vinyl channel gasket. The fixed glass shall be set on blocks, back bedded in foam glazing tape and retained by an extruded aluminum stop.

### **OPTIONAL SCREEN**

Screen frames shall be fabricated from roll form aluminum, finish to match window. Screen cloth to be 18 x 16 fiberglass mesh held in aluminum screen frame with a tight fitting continuous vinyl spline. Two leaf springs shall be attached to the top rail of the screen and two metal pull tabs shall be attached at the bottom rail and held in place by the screen spline.

### **INSTALLATION**

Windows shall be installed straight, plumb, and level without twisting and securely anchored in place. Openings shall be properly prepared to provide sufficient space at jambs, head and sill to compensate for normal construction movement without effecting intended use.

### **PROTECTION AND CLEANING**