



SOL - A - TROL[®]

aluminum products

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SPECIFICATIONS

SERIES 3000-TH THERMALLY BROKEN IMPACT CASEMENT WINDOWS

1. **GENERAL**

Architectural projected windows as shown in the architectural drawings shall be Series 3000-TH as manufactured by SOL-A-TROL Aluminum Products, Miami FL and shall meet or exceed AAMA specifications for HC-70, Large missile impact-resistant tested in accordance TAS 201, 202, 203.

2. **MATERIAL**

Extruded aluminum 6063-T6 (Alloy and Temper)

FRAMES: The window frame shall have a minimum thickness of 1/8" and a full depth of 3" with dual 24-millimeter polyamide thermal strut.

SASH: All sash members shall have a minimum thickness of 1/8", double tubular construction assembled with dual 24-millimeter polyamide thermal strut full depth of 3".

3. **CONSTRUCTION**

FRAME: All frame members corners shall be mechanically joined with (2) stainless steel #12 x 1 1/2" sheet metal screws, shall be factory sealed with GE SCS 2000 silicone.

SASH: All vents shall be mitered, reinforced with extruded aluminum corner key and crimped, shall be factory sealed with GE SCS2000 silicon.

4. **HARDWARE**

Each Sash shall be equipped with a pair of heavy duty, non-magnetic stainless steel, 4-bar mechanism, adjustable friction hinges. Optional 5 Knuckle Extruded Aluminum Butt Hinge. All locking hardware shall be white bronze with U.S.25-D finish.

5. **WEATHERSTRIPPING**

Dual row EDPM bulb weatherstripping continuous on sash to frame contact locations

6. **FINISHES**

Clear Anodized Finish

Bronze Anodized

Electrostatically Painted Finish in compliance with AAMA 2605, 2604, or 2603 in Custom or Standard Colors

7. **GLAZING**

The glass shall be as specified under Glass and Glazing section and held in place with extruded tubular glazing bead. Thickness to be either 1 5/16" or 1 3/16" Insulated Impact Glass.

8. **SCREENS**

Screens shall be aluminum frames with an 18 x 16 mesh charcoal fiberglass screen cloth. Wickets to be provided for access to locks

9. **THERMAL PERFORMANCE**

Total U-Value .45; S.H.G.C .15 to .24 per NFRC 100,200, and 500 using insulated and insulated impact low-e glass