



SOL - A - TROL[®]

aluminum products

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SPECIFICATIONS

SERIES 5000-TH IMPACT WINDOW WALL

1. GENERAL

Impact Resistant Thermally Broken Flush Face Aluminum Window Wall System as shown on architectural drawings shall be Series 5000 by Sol-A-Trol Aluminum Products, Miami FL tested to TAS 201, 202, 203 to a max. pressure of +75/-75 PSF, max span of 140”

2. MATERIAL

Extruded aluminum 6063-T5 (Alloy and Temper)

3. CONSTRUCTION

- a. Perimeter frame, horizontal, and vertical members to be 5” deep tubular aluminum extrusions .250 wall thickness for outside and inside face of tubular section assembled with dual 24-millimeter polyamide struts, .125 wall thickness for all other portions. Assembly to be with extruded aluminum sheer blocks and stainless-steel fasteners.
- b. Glazing legs to be .875 long and .125 thickness.
- c. Glazing beads to be flush design at interior face minimum .0625 wall thickness.
- d. Aluminum or steel reinforcements as required to meet design loads and project requirement.
- e. Horizontal sections shall be milled down to allow glazing leg to overlap at corners and sealed with GESCS2000 silicone or DOWSIL 795 to provide watertight seal

4. WEATHERSTRIPPING

Continuous exterior wet seal of structural silicone for watertightness and interior EDPM glazing gasket at full perimeter of each glass lite.

5. FINISHES

- Electro-statically applied baked enamel to meet AAMA 2603.
- Clear Anodized.
- Dark, Bronze, Medium Bronze or Light Bronze Anodized
- Electro-statically applied baked enamel to meet AAMA 2605, 70% PVDF “Kynar”

6. GLAZING

The glass shall be as specified under Glass and Glazing section shall be glazed with 1 5/16” Insulated laminated glass as tested.

7. Thermal Performance

Total U-Value .37; S.H.G.C ..20 to .34 per NFRC 100,200, and 500 using insulated and insulated impact low-e glass.