



# **SOL - A - TROL<sup>®</sup>**

## **aluminum products**

4101 N.W. 132nd Street • Miami, Florida 33054  
Telephone: (305) 681-2020 • Fax: (305) 681-2035

### **SPECIFICATIONS**

### **SERIES 5000 IMPACT WINDOW WALL**

#### **1. GENERAL**

Impact Resistant 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 +90/-120 PSF, max glass lite 50" x 144".

#### **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, .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 legs 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 9/16"; 1 5/16" Insulated laminated glass or 1 1/4" Aluminum clad composite panel

#### **7. THERMAL PERFORMANCE**

Total U-Value .50 with Argon Air Space .41 with Composite panel; S.H.G.C. .23 to .34 per NFRC 100,200, and 500 using insulated and insulated impact low-e glass; S.H.G.C .08 with composite Panel