

# SB750

ON TIME. ON SPEC. ON COST.

## Features

- Front Set Pressure Plate Curtain Wall System
- Available System Depths: 6", 7½" & 10"
- Tubular Vertical Mullions
- Optional Open Back Head, Horizontal and Sill Members
- Vertical Butt Glaze option available
- Optional face members
- Engineering and fabrication available
- Non-Impact Florida Product Approval: #17881

## Performance Data

### AIR



ASTM E283 Air Infiltration shall not exceed 0.06 cfm/ft<sup>2</sup> when tested at 6.24psf

### WATER



ASTM E331 and AAMA 501.1: No Uncontrolled Water when tested at 15psf

### STRUCTURAL

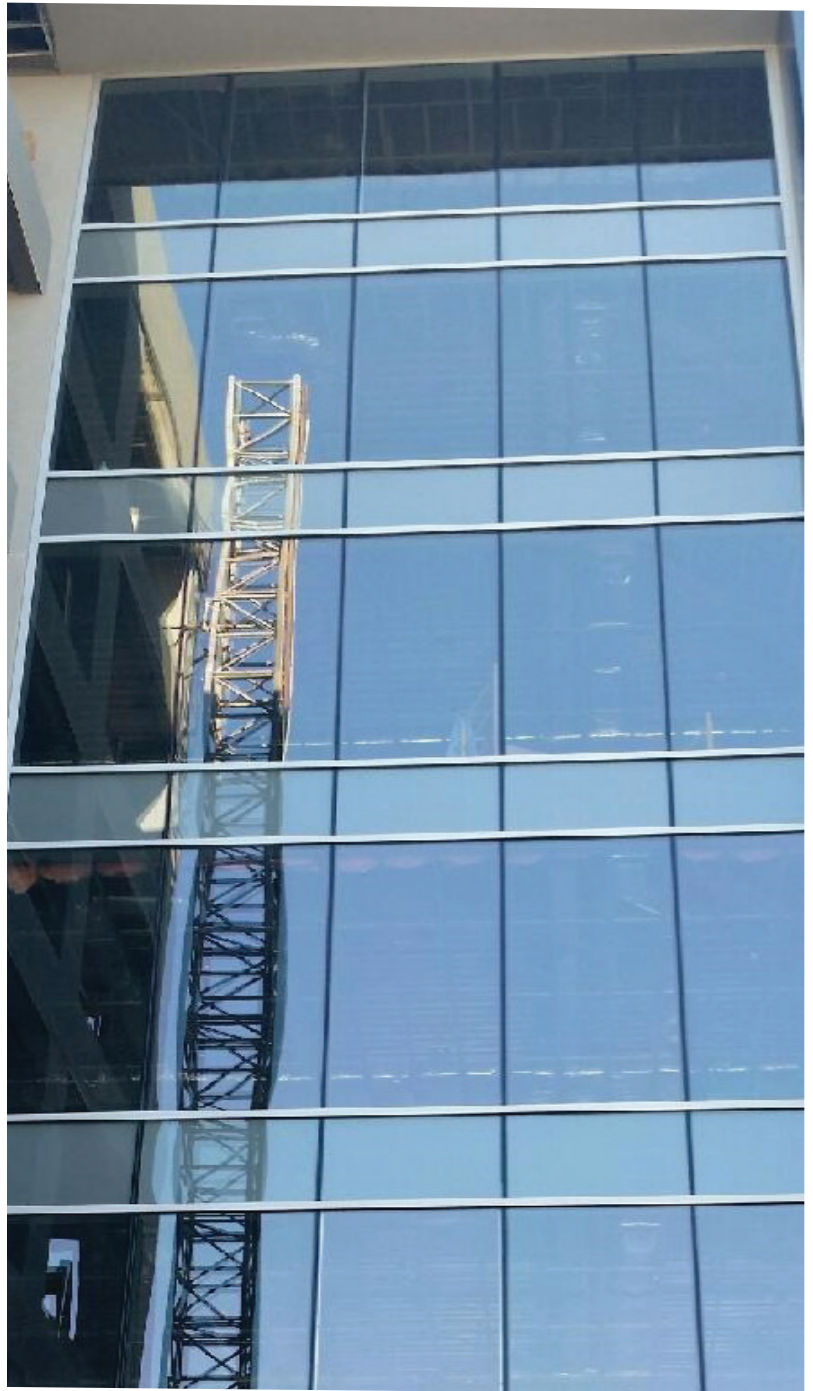


Consult Engineering: Designed and Tested for Multi-Span Application

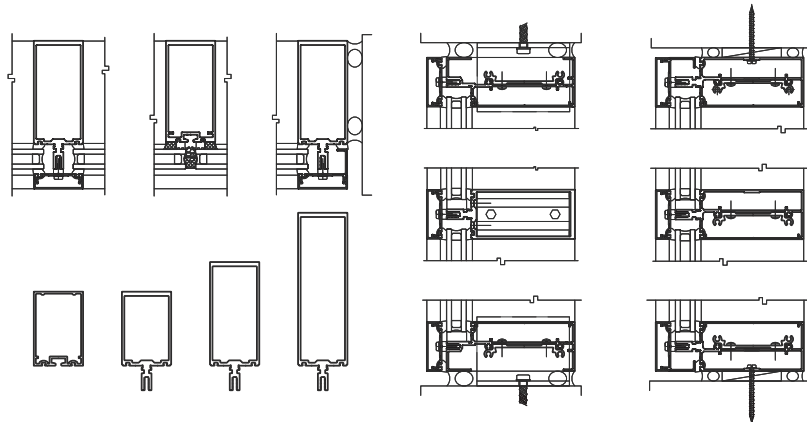
### THERMAL



U-Value shall not exceed 0.42BTU/hr-ft<sup>2</sup> when tested in accordance with NFRC 102-2010



## System Details



Trulite Glass & Aluminum Solutions is proud to be your True Single Source Supplier of all your needs from Specification Sections: 08400, 08700, 08800 and 08900. Complete System Details are Available on [www.trulite.com](http://www.trulite.com).

403 Westpark Court, Suite 201 • Peachtree City, GA 30269 • 800-432-8132

## 1.01 SUMMARY

- A. Section Includes: Aluminum Curtain Wall Systems  
Trulite Series SB750 Pressure Glazed Curtain Wall System.
- B. Related Sections:
  - Glass and Glazing: Refer to Division 8 Glass and Glazing Section for glass and glazing requirements.
  - Sealants: Refer to Division 7 Joint Treatment Section for sealant requirements.
  - Single Source Requirement: All products listed below shall be by the same manufacturer.
    - a. Section 08 41 13 Aluminum Framed Entrance Door.
    - b. Section 08 44 13 Glazed Aluminum Curtain Walls.

## 1.02 SYSTEM PERFORMANCE DESCRIPTION

- A. Performance Requirements: Provide curtain wall systems that comply with performance requirements indicated, as demonstrated by testing manufacturer's assemblies in accordance with test methods indicated.
  - 1. Air Infiltration shall be tested in accordance with ASTM E283 protocol at static pressure of 6.24 PSF (299 Pa) Infiltration shall not exceed 0.06 CFM/FT<sup>2</sup> of total frame area.
  - 2. Static and Dynamic Water Resistance: Test specimen shall be tested in accordance with ASTM E331 (static) and AAMA 501.1 (dynamic) protocols. There shall be no evidence of uncontrolled water when tested at static and dynamic air pressure differential of 15 p.s.f. for a 15 minute duration.
  - 3. Uniform Load: A static air design pressure of +40/-40 p.s.f. shall be applied in the positive and negative direction in accordance with ASTM E330 protocol. There shall be no deflection in excess of L/175 of the span of any framing member at 1.5 times the specified design load, no glass breakage or permanent set in the framing members in excess of 0.2% of their clear spans shall occur.
  - 4. Seismic and Wind-induced Inter-story Drift: It shall be tested in accordance with AAMA 501.4 subject to specified design displacement (elastic) and at 1.5 times the specified design displacement (inelastic).
  - 5. Thermal performance shall be tested under NFRC-102 and AAMA 1503. Thermal transmittance rated 0.42 Btu/h-ft<sup>2</sup>·°F when tested under NFRC-102.

## 1.03 WARRANTY

- A. Manufacturer's Warranty: Submit, for Owner's acceptance, manufacturer's standard warranty document executed by an authorized company official.
  - 1. Warranty Period: Manufacturer's two (2) year standard warranty commencing on the date of shipment by Trulite Glass & Aluminum Solutions, LLC.

## PART 2 PRODUCTS

### 2.01 MANUFACTURERS (Acceptable Manufacturers/Products)

- A. Acceptable Manufacturers: Trulite Glass & Aluminum Solutions
  - 1. Trulite SB750 Pressure Glazed Curtain Wall System
- B. Curtain Wall Framing System
  - 1. Description: Framing Member Profile: 2-1/2" x 6", 7 1/2" or 10" nominal dimension; pressure glazed; thermal performance; pressure glazed capped and structural silicone glazed (SSG) option; stick system installation; concealed fasteners and open back horizontal options.

### 2.02 MATERIALS

- A. Extrusions: ASTM B 221 (ASTM B 221M), 6063-T6 Aluminum Alloy.

### 2.03 FINISHES

- A. Anodized Finishing in accordance with the requirements of AAMA 611.
  - 1. Architectural Class II, etched, medium matte, clear anodic coating, 0.4 mil (10 microns) minimum thickness.
  - 2. Architectural Class I, etched, medium matte, black, dark bronze, medium bronze, colored anodic coating, 0.7 mil (18 microns) minimum thickness.
- B. High Performance Organic Coating in accordance with either AAMA 2604 or AAMA 2605
  - 1. Finish coat of 50% (AAMA 2604) or 70% (AAMA 2605) minimum fluorocarbon resin fused to primed surfaces at temperature recommended by manufacturer, 1.0 mil (25.4 microns) minimum dry film thickness. Color to be selected by architect.