

SERIES 2530 SGRW– FOUR SIDED SILICONE GLAZED RIBBON WALL SYSTEM SPECIFICATIONS

GENERAL

DESCRIPTION

Work Included: Furnish all necessary materials, labor and equipment for the complete installation of aluminum framing as shown on the drawings and specified herein. (Specifier Note: It is suggested that related items such as glass, sealants and aluminum entrances be included whenever possible).

Work Not Included: Structural support of the framing system, interior closures, trim, metal sub-sills. (Specifier list other exclusions).

QUALITY ASSURANCE

Drawings and specifications are based upon the Ribbon Wall 2530 SGRW Series framing systems as manufactured by Structural Glazing Systems, Inc. Whenever substitute products are to be considered, supporting technical literature, samples, drawings and performance data must be submitted ten (10) days prior to bid in order to make a valid comparison of the products involved. Test reports certified by an independent test laboratory must be made available upon request.

Qualifications:

1. Installer must be a trained and authorized SGSI dealer who has had experience with 2530 SGRW Series Ribbon Wall.
2. Manufacturer Qualifications: manufacturer capable of providing field service representation during construction, approving acceptable installer and approving application method.
3. Pre-Installation Meetings: Conduct pre-installation meeting to verify project requirements, substrate conditions, manufacturer's installation instructions, and manufacturer's warranty requirements.

PERFORMANCE REQUIREMENTS

Air Infiltration – shall be tested in accordance with ASTM E 283. Infiltration shall not exceed .06 CFM per square foot (.0003 m³/s-m²) of fixed area at 6.24 PSF. (300 Pa)

Water Infiltration – shall be tested in accordance with ASTM E 331. No water penetration at a test pressure of 15 PSF. (480 Pa)

Thermal Performance. When tested in accordance with AAMA 1502.7-1981 and 1503.1-1980, the following results should be attained:

* U – Maximum of .56

* CRF – Minimum of 62

Structural performance tested in accordance with ASTM E 330, and based on:

* Maximum deflection of 1/175 of the span

And

* Allowable stress with a safety factor of 1.65

The system shall perform to these criteria under a Windload of
(Specify): _____ PSF (_____ Pa).

(Architect to specify)

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PRODUCTS

MATERIALS

Extrusions shall be 6063-T5 or T6 alloy and temper (ASTM B221 alloy G.S. 10A-T5). Fasteners, where exposed, shall be aluminum, stainless steel or zinc plated steel in accordance with ASTM B 633. Perimeter anchors shall be aluminum or steel, providing the steel is properly isolated from the aluminum. Glazing gaskets shall be elastomeric extrusions.

FINISH SPECIFICATIONS

All exposed surfaces shall receive...(Specify one of the following):

...An Architectural Class II Clear Anodic Coating conforming with Aluminum Association Standard AA-M12C22A31

...An Architectural Class I Clear Anodic Coating conforming with Aluminum Association Standard AA-M12C22A41

...A Fluoropolymer Paint Coating conforming with the requirements of AAMA 605.2. Color shall be_____.

NOTE: Anodic Coatings are the preferred finishes on entrances and other products where high pedestrian traffic is a threat to surface maintenance.

FABRICATION

The framing system shall provide a flush glass appearance to the outside with no vertical or horizontal exterior stops. All four glass edges shall be retained by structural non-acidic neutral cure silicone. Perimeter framing members shall have a face dimension of 1". Overall depth shall be 4 ¼" for 1" system.

EXECUTION

INSTALLATION

All glass framing shall be set in correct locations as shown in the details and shall be level, square, plumb and in alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings. All joints between framing and the building structure shall be sealed in order to secure a watertight installation. Insulate all aluminum to be placed directly in contact with uncured masonry of incompatible materials with a heavy coat of zinc chromate or bituminous paint.

PROTECTION AND CLEANING

After installation, the General Contractor shall adequately protect exposed portions of aluminum surfaces from damage by grinding and polishing compounds, plaster, lime, acid, cement, or other contaminants. The General Contractor shall be responsible for final cleaning.

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WARRANTY

Manufacturer's Warranty: Submit, for owner's acceptance manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under the Contract Documents.

1. Beneficiary: Issue warranty in the legal name of the Project Owner.
2. Warranty Period: Five (5) years commencing on the Date of Shipment.

NOTE: In keeping with Structural Glazing Systems Incorporated continuous policy of product improvements, all specifications are subject to change without notice.