

## Specifications

### INFORMATION

All framing members in this section, unless noted otherwise, are stock items in Dark Bronze or Clear anodic coatings, and are available for prompt shipment. Other anodic coatings or painted finishes are also available upon inquiry.

## Specifications

### I. GENERAL

#### Description

Work included: The glazing contractor shall furnish all necessary materials, labor and equipment for the complete installation of aluminum entrances and framing as shown on the drawings and as specified herein.

Work not included: Structural support of the glazing system, structural steel, wood, masonry, interior closures, trim, sub-sills. (Specifier list exclusions.)

Related work specified elsewhere: Section 08700-Finish Hardware. Section 08800-Glass and Glazing

#### Quality Assurance

Quality designation (drawings and specifications) for work included in this section is based upon aluminum products as manufactured, supplied and distributed by Commercial Architectural Products, Inc. Substitute products to be considered must submit supporting technical performance data and samples ten (10) days prior to published bid date for valid comparison. Independent certified test reports must be made available upon request.

#### Performance Requirements

Air infiltration shall be tested in accordance with ASTM E-283. Infiltration shall not exceed .06 CFM/ft<sup>2</sup>.

Water infiltration shall be tested in accordance with ASTM E-331. No water penetration at a test pressure of 6.24 P.S.F.

Structural performance shall be tested in accordance with ASTM E-330. Maximum deflection of 1/175 of span.

Windload charts shall incorporate an allowable stress safety factor of 1.65. The system provided shall perform, as above, under a specified load of \_\_\_\_\_ PSF. (Specifier select.)

### II. PRODUCTS

#### Materials

Aluminum extrusions shall be 6063-T5 alloy and temper (ASTM B 221 alloy G.S. 10A-T5).

Exposed fasteners shall be minimized/or eliminated through use of extruded "screw race" major framing members. Fasteners shall be aluminum, stainless steel or plated steel in accordance with ASTM A 164. Stiffeners/anchors shall be aluminum or steel (steel, where provided, shall receive a zinc-chromate primer, or by other suitable means, be isolated from aluminum contact).

Glazing gasket shall be "Santoprene"--a superior vulcanized EPDM extrusion. Wall and entrance framing members (as

selected) shall be suitable for usage--per performance requirements, as stated, this section.

Stiffeners/anchors shall be aluminum or steel (steel, where provided, shall receive a zinc-chromate primer, or by other suitable means, be isolated from aluminum contact).

#### Finish

Aluminum extrusions shall receive an architectural class anodic coating conforming strictly to the Aluminum Association (AA) standards of the "Two-Step" Hardcoat Process, (published standards AA-M12 C22 A34 / AA-M12 C22 A44, 0.7 mil), providing maximum "state of the art" color consistency of the various components.

Aluminum extrusions shall be given a caustic etch followed by anodic oxide and color/seal treatments to obtain one of the following:

Aluminum Association Standards for \*Two-Step\*Anodized Coatings AA-M2 C22 A34 / AA-M12 C22 A44

(Specify) \_\_\_\_\_ #200 Clear Anodic Coating  
 \_\_\_\_\_ #250 Bronze Anodic Coating  
 \_\_\_\_\_ #300 Black Anodic Coating

Custom painted finishes also available to "Duranar" (70% resin - "Kynar 500"), including all siliconized and polyester paints---factory applied.

### III. EXECUTION

#### Installation

Products installed under this specification shall be set level, square, plumb and in proper alignment with other work in accordance with the manufacturer's installation instructions and approved shop drawings. Joints shall be properly sealed to provide watertight installation.

#### 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, and cement or other contaminants. The General Contractor shall be responsible for final cleaning.