

Sample Specification for 08410

Including Bacon's Architectural Muntins

DIVISION 8 - DOORS & WINDOWS
Section 08410 - Aluminum Entrances and Storefronts

1. GENERAL

2. PRODUCTS

2.1. MANUFACTURERS

1. Bacon & Van Buskirk
2. Kawneer Company, Inc.
3. Oldcastle Building Envelope
4. EFCO Corporation.
5. Tubelite Architectural Systems.
6. YKK AP
7. As Approved by Architect (10 days required prior to Bid Date)

2.2. MATERIALS

2.3. COMPONENTS

- A. Framing System Exterior: Kawneer 451T-CG is basis of design, finish to be _____.
 - B. Framing System Interior: Kawneer 450-CG is basis of design, finish to be _____.
 - C. Curtainwall System: Kawneer 1600 SS is basis of design, finish to be _____.
 - D. Applied Muntin System: Bacon & Van Buskirk Architectural Muntin system or approved equal.
1. Fully-assembled applied extruded aluminum muntin grids shall be field-installed over glass glazed within aluminum frames in patterns as shown on elevations. Each of the exterior and interior grids are to be aligned exactly back-to-back to simulate divided lites. [Architect note option: Insulating Glass to have between-glass spacers aligned with muntins. Finish of Insulating Glass spacers to be _____.]
 2. Fully-assembled aluminum muntin grids shall be finished to match the aluminum frame it is placed within unless noted on drawings. Finish warranty of the aluminum framing system shall apply to the aluminum muntin grids.

3. Screw-Attached System: [Recommended for standard tubular storefront framing.] Fully-assembled Muntin grids shall have a sloped perimeter anchoring flange member profiled to resemble the mid-muntins and must not interfere with the adjacent glazing vinyl. Muntin grids shall be screw-anchored at no less than at a total of four locations on the sides and/or top of the grids to the surrounding framing. Anchor screws shall be rust-proof aluminum or nickel and be removable by maintenance crews to allow for future glass washing or needed glass replacement. Anchor screws shall be touched-up to match the aluminum framing after installation as needed, and not be anchored through the sill or in a position as to cause leakage within the adjacent framing. Grids shall be manufactured to be approximately 1/16" to 1/8" smaller in width and height than the 'daylight opening' of the glazing area, be centered in width when installing, and be anchored up tight to the top of the opening so water and cleaning solutions may have a positive flow under the grid when running down glass surfaces. Clear or same-colored silicone cushion 'buttons' shall be applied on all grid intersections where the muntin rests against glass when the muntin grids are placed against each glass surface so as to prevent noise and allow for positive water-wash.

OR

Glaze-In System: [Recommended for curtainwall, 2-piece storefront framing systems, and aluminum entrances.] Fully-assembled muntin grids shall have a perimeter glazing flange to allow assembled muntin grid to be placed against the glass surface and glazed in along with glass.

OR

Tape-Applied System: [Recommended for partial grids and unique settings.] Glass shall be cleaned in the field and then fully-assembled muntin grids shall be applied to the glass surface with 3M VHB tape. Color of 3M VHB tape to be _____.

4. Manufacturers' samples of fully-assembled applied aluminum muntin grids must be reviewed and approved prior to bid. Mock-up of fully-assembled grids is required for architectural approval prior to muntins being permanently installed. Mock-ups may be incorporated within permanent construction with architect's approval. Where insulated glass is to be covered by muntin grids, Glazier should arrange insulated glass to be gas-filled to flat (no bowing) by the insulated glass fabricator. Contact information for Bacon & Van Buskirk in Champaign, Illinois is ph 877-315-1624 and on the Web at www.bvbproducts.com.