



Plastic Decorative Panels Guide Specification

This section is based on the products of Barrette Outdoor Living, Egg Harbor City, NJ 08215; (877) 265-2220; www.barretteoutdoorliving.com.

Decorative Screen Panels offer a unique and attractive way to customize an outdoor or indoor setting. Allowing for creativity with privacy screening, decorative panels are a stylish solution for under a deck and provide the perfect enhancement to a patio or garden area. They can also be an interior accent when used as home décor within a room. Panels are extra thick, water resistant, paintable, available in a wide range of styles and colors, and have a limited lifetime warranty. Decorative screen panels can also be installed up to three high in our aluminum frame kit — creating a divider screen for increased privacy wherever it is needed.

As the leading North American supplier of exterior home products, Barrette Outdoor Living produces vinyl, aluminum, steel and composite fencing and railing; composite decking; and other outdoor products sold through specialty retailers, home centers and lumberyards.

SECTION 066413 - PLASTIC DECORATIVE PANELS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Plastic decorative panels.

Specifier: Delete "Aluminum frame kits" Paragraph below and elsewhere in this section if not required.

- B. Aluminum frame kits.

1.2 REFERENCES

Specifier: If retaining this optional Article, edit list below to correspond to those references retained in edited specification section.

- A. References, General: Versions of the following standards current as of the date of issue of the project or required by applicable code apply to the Work of this Section.
- B. ASTM International (ASTM):
 1. ASTM B221 - Aluminum-Alloy Extruded Bar, Rod, Wire, Shape and Tube.
 2. ASTM D638 - Test Method for Tensile Properties of Plastics.
 3. ASTM D648 - Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.

1.3 SUBMITTALS

- A. Product Data: Manufacturer's technical literature for each product specified.
 - 1. Include substrate preparation instructions and recommendations.
 - 2. Include storage and handling requirements and recommendations.
 - 3. Include manufacturer's installation instructions.

Specifier: Retain both "Samples for Initial Selection" and "Samples for Verification" paragraphs below for two-stage Samples.

- B. Samples for Initial Selection: For each product, sets of color chips representing manufacturer's full range of available colors.
- C. Samples for Verification: For each color, in manufacturer's standard size.

1.4 QUALITY ASSURANCE

- A. Qualification Data:
 - 1. Manufacturer Qualifications: Company specializing in manufacturing products specified in this Section with minimum five years documented experience.
 - 2. Installer Qualifications: Manufacturer, or experienced Installer with a record of successful installations of similar type and size to that specified.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Transport, handle, store and protect panels so they are in undamaged condition when installed.
- B. Store in manufacturer's unopened packaging.
- C. Store off the ground in a dry, protected, covered and secure area.

1.6 WARRANTY

- A. Special Warranty: On manufacturer's standard form in which manufacturer agrees to replace components which fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: Lifetime.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Basis of Design: [Decorative Screen Panels](#) by Barrette Outdoor Living; Middleburg Hts., Ohio 44130; (877) 265-2220; www.barretteoutdoorliving.com.

Specifier: Retain one of the following two paragraphs.

- 1. Substitutions: Not permitted.
- 2. Substitutions: Submit request for substitution according to [Instructions to Bidders and] Division 01 General Requirements.

2.2 PLASTIC DECORATIVE PANELS

Specifier: Decorative Screen Panels are compatible with other Barrette Outdoor Living products including Pergola, RDI® Finyl Line™ Vinyl Railing, RDI® Privacy Rail™, and RDI® Avalon Aluminum Railing™. Plastic decorative panels used as infill in those systems may be specified with those systems in separate sections or may be specified in this section if desired.

- A. Use manufacturer's standard components.
- B. Plastic Decorative Panels:

Specifier: To see panels below visit [Barrette Outdoor Living Decorative Screen Panels website](#). If retaining more than one type of panel indicate locations on Drawings or in Schedule.

- 1. Nominal Size: [24 by 48 inches] [36 by 72 inches].
 - 2. Style: [Aztek] [Freesia] [Morse] [Sanibel] [Sprig] [Fretwork] [Boardwalk] [Slate] [River Rock] [Optic]
 - 3. Color: [Black] [Gray] [White] [Brazilian Walnut] [Umber] [Saddle].
- C. Aluminum Frame Kits: Manufacturer's standard aluminum frame kit for [three 24-by-48-inch] [two 36-by-72 inch] [vertical] panels, pre-engineered for field assembly. Provide top, bottom, and mid channels, line posts, corner posts, end posts, and all accessories, fasteners, and trim necessary for a complete installation.

2.3 MATERIALS

- A. Polyvinyl Chloride Panels: Rigid PVC homopolymer compound modified for cold weather impact retention with high levels of Titanium Dioxide pigment for long-term ultraviolet light resistance.
 - 1. Tensile Modulus: ASTM D638, 425,000 psi.
 - 2. Heat Deflection Temperature: ASTM D648, 67° c.
 - 3. Tensile Strength: ASTM D638, 6,203 psi.
 - 4. Thermal Expansion: 3×10^{-5} in/in °F.
- B. Aluminum: Provide alloys and tempers with not less than the strength and durability properties of alloy and temper designated below for each aluminum form needed.
 - 1. Extrusions: ASTM B221, Alloy 6005-T5.
- C. Fasteners: Manufacturer's standard stainless steel screws with color-matched covers.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine panel substrate with Installer present. Inspect for erection tolerances and other conditions that would adversely affect installation of panels.
- B. Proceed with panel installation once out-of-tolerance work and other deficient conditions are corrected.

3.2 PANEL INSTALLATION

- A. General: Install panels [and frame kits] in accordance with manufacturer's written instructions.
- B. During installation, carefully handle and store PVC components to avoid contact with abrasive surfaces. Install components in sequence as recommended by manufacturer.

3.3 CLEANING AND PROTECTION

- A. Clean finished surfaces according to manufacturer's written instructions and as required by product warranty.
- B. Replace damaged or discolored panels that cannot be restored by field repair.

END OF SECTION