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*Deck Images E2A™*

Rail Kit Series

Glass and Aluminum  
Railing Systems



## *Railing Kits*

For a railing system that's easy to assemble but looks professionally installed, choose Deck Images E2A™ glass and aluminum railing systems. Deck Images E2A systems come in user-friendly kits available in either a 6' line or 6' stair, both 36" high. Made from high-grade aluminum to ensure strength, durability and rust resistance, Deck Images E2A components come in green, clay, white and black. Their protective powder-coated finish provides additional protection from the elements.



Deck Images E2A products are suitable for use on decks, porches and balconies made from wood, composite or concrete. Whether you're building a new deck or remodeling an old one, Deck Images E2A railing systems will add a clean, professional finish to your project.



## *Aluminum Balusters*

Deck Images E2A aluminum balusters come in a range of colors and styles. Round and rectangular Deck Images E2A balusters are offered in four colors: white, black, green and clay. The round balusters are 3/4" in diameter; the rectangular balusters are 1/2" x 3/4". Both styles feature a durable power-coated finish.



## *Glass Balusters*

The glass balusters are made of long-lasting tempered safety glass. Each baluster measures 6" wide and 5/16" thick. The glass balusters add elegance to any patio, deck or balcony and provide an unobstructed view.



## Connectors

The matching connectors make Deck Images E2A a simple system to install. Use these basic connectors to attach the rail to the post quickly and easily, using the recommended tools.



The connectors include angle brackets for 90-, 22.5-, and 45-degree (using two 22.5-degree connectors) connections. The straight-rail connector kit works for both line and 90-degree applications.



Deck Images E2A connectors make the system not only easy to assemble, but sturdy. The system is code-compliant and has been tested by an independent, third-party laboratory. Like the other Deck Images E2A components, these all-aluminum connectors have a durable, powder-coated finish.

## Accessories

Each post kit includes a traditional post cap. Other options are available for a truly unique appearance. Choose from two decorative post cap options: planter and solar-powered. Our planter caps can offer natural beauty, while our solar caps provide a soft nighttime glow.



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## *Mix and Match*

Deck Images E2A™ components can be mixed and matched to create a unique design that's easy to assemble. Mix colors to create complementary or contrasting looks—or mix styles to reflect your personal taste or the architecture of your home.



Green railing  
with white balusters

## *Assembly*

Deck Images E2A assembles easily using these common tools:

- Safety glasses
- Miter saw with a carbide-tipped, multipurpose blade
- #2 square driver bit
- #3 square driver bit
- Power drill
- Tape measure
- Level



Black railing  
with clay balusters

# Deck Images™

## System Evaluation:

1. Deck Images E2A™ product has been evaluated by Stork Laboratories through full-scale assembly testing. Deck Images 36" E2A system was evaluated in a complete assembly consisting of a 12 ft railing span supported at the ends by 6 ft return railing sections that were securely fastened to the building structure\*. Posts are 2-½" (6005-T5 aluminum) with 5" x 5" x ⅜" base plates (6061-T6 aluminum). A post was located midway in the railing assembly (6 ft center to center from the corner post). Return railing sections were provided at each end of the 12 ft span. The 2-½" Support Posts were secured to a solid wood deck structure using the Deck Images E2A post mounting kit. Refer to Deck Images E2A instructions for post mounting hardware specifications and mounting instructions. Railing picket baluster infill consisted of ¾" round (6063-T6) or ½" x ¾" square. Railing glazing infill consisted of ⅝" x 6" Tempered Glass infill strips (ANSI.97.1 tempered glass). The Top Rail was 2" x 1.92" with a wall thickness of 0.065" (6063-T5). Bottom Rail is 1.28" x 1.59" with a wall thickness of 0.065" (6063-T5).
2. When Deck Images systems are assembled under the conditions described above, the railing meets the guardrail requirements of R301.5 of the 2006 International Residential Code (IRC).
3. When Deck Images guardrail is installed in configurations other than described above, each installation shall be designed using numerical methods by a registered professional engineer licensed in the state in which the project is constructed. Sealed shop drawings shall be made available to interested parties to demonstrate compliance with applicable building codes.
4. If Deck Images railing is installed contrary to the specific assembly described above and sealed engineering drawings are not available, then the railing is intended for decorative purposes only and cannot be used in applications where a structural railing system is required by building code.

\*During testing the return railing support posts were securely fastened to the building using Deck Images "Building Connectors." The connection kit consists of 2" square top connectors with a 2-¾" length of square top rail used as an internal spacer between the two top connectors. Connectors were attached to the 2-½" end post using two #12 x ¾" stainless steel screws and into the solid structure blocking representing a structural building connection with two #14 x 2" stainless steel screws. Two #8 x ¾" stainless steel screws were used to connect each top connector to the internal spacer between the two connectors.

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