

Worthington Aluminum Redi-Rail System Architectural Specifications

1.0 GENERAL

1.1 DESCRIPTION

- A. The Worthington aluminum Redi-Rail system is an extruded rail system that utilizes a factory powder with a high quality powder coat finish meeting AAMA 2604 specifications.
- B. Each Worthington aluminum Redi-Rail kit shall be based on standard design containing a top and bottom rail, ¾" round or square balusters, a horizontal hardware kit, and crush blocks. Note: 4', 6', 8', and 10' length sections available.
- D. Residential and Commercial rail heights of 36" and 42" are available for all Worthington aluminum rail kits including a 2" crush support block.
- C. Worthington aluminum Redi-Rail system kits are available in the following seven colors: Super Durable Powder Coat Finish - White, Beige, Wicker, and Clay; Textured – White Bronze and Black
- D. Newel posts shall be the 3" Worthington Aluminum newel with tapered cap and trim kit. Specify 38" or 44" height
- E. Fixed and Adjustable stair aluminum rail kits are available in 4', 6' and 8' lengths.

1.2 DELIVERY, STORAGE AND HANDLING

- A. Materials to be delivered to the job site in good condition and adequately protected against damage.
- B. Store on site in a location and manner to avoid damage. Stacking should be done in a manner that will prevent bending. Store material in a clean, dry location away from uncured concrete or masonry. Any protection on the railings during transportation should remain until railing is installed.
- C. Keep handling on site to a minimum. Exercise caution to avoid damage to railing finish.

1.3 SUBMITTALS

- A. Product data: Submit manufacturer's descriptive literature, specifications, installation instructions and limited warranty.
- B. Shop drawings: Submit scaled details and method of installation.
- C. Samples: Provide samples, or color chart, of standard design or profile of custom design (custom designs submittals only available in form of CAD)

2.0 PRODUCTS

2.1 ACCEPTABLE MANUFACTURER

- A. Worthington Millwork, LLC
17842 Ashley Drive | Suite C.
Panama City Beach, FL 32413
800-872-1608/F. 850-640-0488

2.2 ACCESSORIES

- A. ADA Grab Rail: 1-1/2 inch (38 mm) diameter extruded aluminum tube. Provide where shown on Drawings.
 - 1. Brackets: Cut from extruded aluminum profile.
- B. Gate: Custom design as shown on Drawings with welded extruded aluminum frame.
 - 1. Infill: [Match railing system]
 - 2. Provide complete with hardware including hinges, latch, and/or drop bolt

2.3 MATERIALS

- A. Shapes, configurations and sizes: As shown on the drawings.
- B. Materials: Railings and guardrails shall be fabricated from extruded and plate aluminum.
 - 1. Extrusions: 6063 alloy, T5 or T6 temper, meeting ASTM B221-96; **channel .08 minimum wall thickness; all picket .045 minimum wall thickness.**
 - 2. Posts shall be 6061 T6 alloy, meeting ASTM B221-96; 0.250 minimum wall thickness.
 - 3. Sheet (5005-H34 alloy) & plate (6061/6063 alloy) meeting ASTM B209-96; minimum 0.050 thickness for sheet; 0.125 thickness for plate.

3.0 EXECUTION

3.1 INSTALLATION

- A. Follow manufactures detailed installation procedures. Please call 800.872.1608 for installation instructions

3.2 WARRANTY

A. Worthington Millwork, LLC (hereinafter referred to as Worthington) warrants its Aluminum Redi-Rail to be free from structural defects in materials and workmanship for a period of 15 years for the original purchaser and on the original structure which the products were installed. Worthington will repair or replace, at its option, any aluminum Redi-Rail that has failed as a result of defective material or workmanship. All rail kits must be installed in accordance with Worthington's installation instructions and in accordance with local building codes. Failure to install properly may void warranty. It shall remain the responsibility of the purchaser to ensure the railing is designed for the particular application.

Worthington Aluminum Redi-Rail receives a high quality powder coat finish applied according to AAMA 2604 Specifications. This finish is guaranteed to not crack, chip, blister, or peel for a period of five years with normal use and weatherization. Warranty for any installation within one mile of ocean will be limited to one year against cracking, chipping, or peeling. Any claim under this warranty must be made within 30 days of discovery of the problem and should be submitted in writing to the manufacturer.

At no time will Worthington Millwork, LLC. be liable for more than the original purchase price.

END OF SECTION