

Aluminum Rail Systems

INSTALLATION

Examine substrate to verify that locations of concealed reinforcements have been clearly marked for Installer.

METHODS

Perform cutting, drilling, and fitting required for installation of railings. Set railings accurately in location.

Coat concealed surfaces of aluminum that will contact dissimilar materials using fabricators standard protective coating or with heavy coat of bituminous paint.

Use fully welded joints for permanently connecting railing components.

Secure wall brackets and railing end flanges to building construction as approved by Engineer.

Clean aluminum with mild, non-abrasive soap and water, using a soft sponge. Rinse with fresh water to remove residual soap.

WARRANTY

Manufacturer's One (1), Three (3) and Five (5) years Warranty for railing assembly. Manufacturer's standard limited warranty document executed by an authorized company official. Manufacturer's warranty is in addition to and not a limitation of other rights Owner may have under the contract documents.

TECHNICAL SERVICES

Detailed information, product literature, test results, project lists, and assistance in preparing project specifications are available through Mullet's Aluminum Products, Inc.



Product Name

Mullet's Aluminum Rail Systems:

Horizontal Picket Guardrail Assembly "HRS-100"
Horizontal Picket Guardrail Assembly "HRS-200"
Horizontal Picket Guardrail Assembly "HRS-300"
Vertical Picket Guardrail Assembly "VRS-100"
Vertical Picket Guardrail Assembly "VRS-200"
Vertical Picket Guardrail Assembly "VRS-300"
Vertical Picket Guardrail Assembly "VRS-400"

Manufacturer

Mullet's Aluminum Products, Inc.

905 Ponder Avenue
Sarasota, FL 34232
Toll Free (877) 685-5387 | (941) 371-3502
Fax: (941) 378-5676
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Product Description

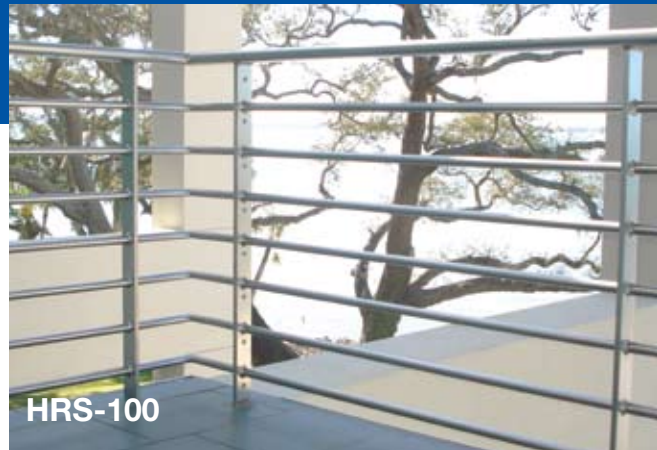
The Mullet's Aluminum Rail Systems are ideal for interior and exterior residential and commercial applications. Multiple aluminum vertical and horizontal picket style patterns and top cap designs are available. These versatile but simple and elegant designs can adapt to any application. The aluminum tube rail and picket systems are designed to meet the severe environments of the coastal regions and the hard winters of the industrial climates.

Guardrail assemblies are available with hollow, solid square or round pickets. Post and rails offered in square, round, scroll and custom designs to meet project requirements. Top caps available in multiple design options.



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HRS-100



HRS-200



HRS-300



HRS-400



VRS-100



VRS-200



VRS-300



VRS-400

COMPOSITION & MATERIALS

Mullet's Aluminum Systems are designed of extruded aluminum tube railings and solid and hollow stock pickets fabricated from Aluminum alloy 6063-T52 or 6061-T6.

Aluminum pickets are available in standard and custom sizes. Mounting systems are available in cored drilled, surface and side mountings. Fastener material is made of stainless-steel.

Aluminum rail systems are fully welded by the Tungsten Inert Gas Process in accordance with Aluminum Welding Society (AWS) Structural Welding Code.

FINISHES

Option One: Modified Polyester Powder Coat Finish meeting AAMA 2604 with minimum dry film thickness of 1.5 mils (0.059 inch). Comply with AAMA 2604. (5 year finish warranty)

Option Two: Seventy percent Fluoropolymer Thermosetting Resin Powder Coat Finish meeting AAMA 2605 with minimum dry film thickness of 1.5 mils (0.059 inch). Comply with AAMA 2605. (10 year finish warranty)

Option Three: One-hundred percent Fluoropolymer Thermosetting Resin Powder Coat Finish meeting AAMA 2605 with minimum dry film thickness of 1.5 mils (0.059 inch). Comply with AAMA 2605. (15 year finish warranty)

Option Four: Seventy percent Duranar XL Coating System - Kynar Finish meeting AAMA 2605 and minimum dry film thickness of 1.5 mils (0.059 inch) Comply with AAMA 2605. (15 year finish warranty)

APPLICABLE STANDARDS

American Architectural and Manufacturers Association (AAMA):

AAMA 2604-02 – Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings and Aluminum Extrusions and Panels.

AAMA 2604 – Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings and Aluminum Extrusions and Panels.

AAMA 2605 – Voluntary Specification, Performance Requirements and Test Procedures for High Performance Organic Coatings and Aluminum Extrusions and Panels.

American Society for Testing and Materials (ASTM):

ASTM B209 – Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate.

ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.

ENGINEERED SYSTEMS

Aluminum Vertical and Horizontal Picket Systems are engineered, fabricated and installed to withstand structural loads required by applicable codes.

Handrails and Top Rails of Guards: Uniform load of 50 lbf/ft. (0.73 kN/m) applied in any direction. Concentrated load of 200 lbf (0.89 kN) applied in any direction. Uniform and concentrated loads need not be assumed to act concurrently. Infill of Guards: Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft. (0.093 sq. m).

Infill load and other loads need not be assumed to act concurrently.

LEED COMPLIANCE

Recycled Content: The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.

Regionally Manufactured Materials: Materials that are manufactured within a radius of 500 miles (800 km) from Project site. Manufacturing refers to the final assembly of components into the building product installed at Project site.