



PRODUCT CATALOGUE

RAILING MASTERS

PREMIUM RESIDENTIAL & COMMERCIAL
RAILING SOLUTIONS

EDITION

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Vol. 2

REVISION

A



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RAILING MASTERS® PRODUCT LINE OVERVIEW

RM-EDGE™ G3100-TM

Top-Mounted Welded Glass Railing System

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SYSTEM OVERVIEW

The **RM-EDGE™ G3100-TM** is a shop-fabricated welded aluminum and glass guard system designed to provide unobstructed views and continuous structural performance for exterior guard applications. The system utilizes welded aluminum posts and rail assemblies combined with laminated safety glass infill to deliver architectural clarity, durability, and reliable load transfer across residential, commercial, and hospitality projects.

SYSTEM CONFIGURATION

- Top-mounted welded aluminum guard assembly
- Shop-welded post and rail framework fabricated under controlled conditions
- Laminated tempered safety glass infill
- Modular panel fabrication for consistent alignment and quality
- Custom widths, heights, and glass configurations available
- Designed for balconies, terraces, and podium applications



MATERIALS

- Welded structural components fabricated from weld-appropriate aluminum alloys including **6061-T6, 6005A-T6 and 6063-T6**
- Tempered laminated safety glass infill
- Stainless steel fasteners and concealed hardware
- Isolation materials incorporated to prevent galvanic interaction

All extrusions supplied by certified North American extrusion manufacturers with mill certification available.

FABRICATION

- Shop welding performed under controlled fabrication procedures
- Welded joints designed to provide structural continuity and panel rigidity
- Fabrication tolerances maintained to ensure glass alignment and consistent installation
- Post-weld finishing prepared for architectural coating systems

MOUNTING & ANCHORAGE

- Surface mounted to structural slab or substrate
- Anchorage engineered based on project loading requirements
- Mechanical anchors or threaded rod systems used to transfer guard loads to primary structure
- System accommodates waterproofing coordination and drainage provisions
- Base assemblies distribute loads along slab edge

Shop drawings provided showing anchorage layout and welded panel configuration.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed:

- Ontario Building Code guard load provisions (OBC 4.1.5.14)
- CSA S157 aluminum design requirements
- OBC SB-13 "Glass in Guards"
- Applicable ASTM glass safety standards
- Engineering review of welded assembly performance

Testing summaries and engineering documentation available.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- Residential balconies
- High-rise developments
- Podium terraces
- Hospitality projects
- Commercial guard applications
- Retrofit slab-edge replacement

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ADVANTAGES

- Continuous welded structural frame
- Consistent panel rigidity
- Clean architectural glass appearance
- Efficient installation using prefabricated panels
- Durable exterior performance
- Compatible with multiple glass thickness options
- Reliable load transfer through welded assemblies



RM-EDGE™ G3100-FM

Face-Mounted Welded Glass Railing System



SYSTEM OVERVIEW

The **RM-EDGE™ G3100-FM** is a shop-fabricated welded aluminum and glass guard system designed for slab-edge and façade-mounted applications where top mounting is not feasible or where architectural intent requires a clear walking surface.

The system utilizes welded aluminum post and rail assemblies combined with laminated safety glass infill to provide unobstructed views, efficient load transfer to the structural edge, and consistent architectural appearance.

Suitable for residential, commercial, and hospitality projects.

SYSTEM CONFIGURATION

- Face-mounted welded aluminum guard assembly
- Shop-welded post and rail framework fabricated under controlled conditions
- Laminated tempered safety glass infill
- Modular prefabricated panels for consistent installation
- Custom widths, heights, and glass thickness configurations available
- Designed for balconies, terraces, and retrofit slab-edge conditions



MATERIALS

- Welded structural components fabricated from weld-appropriate aluminum alloys including **6061-T6, 6005A-T6 and 6063-T6**
 - Tempered laminated safety glass infill
 - Stainless steel fasteners and concealed connection hardware
 - Isolation materials incorporated to prevent galvanic interaction and moisture intrusion
- All extrusions supplied by certified North American extrusion manufacturers with mill certification available.

FABRICATION

- Shop welding performed under controlled fabrication procedures
- Welded joints designed to maintain panel rigidity and structural continuity
- Fabrication tolerances maintained for glass alignment and façade interface
- Post-weld preparation completed prior to architectural finishing

MOUNTING & ANCHORAGE

- Face mounted to slab edge, steel framing, or embedded structural plates
 - Anchorage engineered to transfer guard loads directly into primary structure
 - Mechanical anchors, threaded rod systems, or structural fastening methods used as required
 - System allows coordination with waterproofing membranes and façade assemblies
 - Load path designed to minimize slab penetration at walking surface
- Shop drawings provided showing anchorage layout and façade interface.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed applicable requirements including:

- Ontario Building Code guard load provisions (OBC 4.1.5.14)
- CSA S157 aluminum design requirements
- OBC SB-13 “Glass in Guards”
- Applicable ASTM safety glazing standards
- Engineering review of welded assembly and anchorage

Testing summaries and engineering documentation available.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- High-rise slab-edge balconies
- Retrofit balcony replacement
- Podium edges
- Projects requiring clear walking surface
- Hospitality and luxury residential developments
- Façade-integrated guard systems

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ADVANTAGES

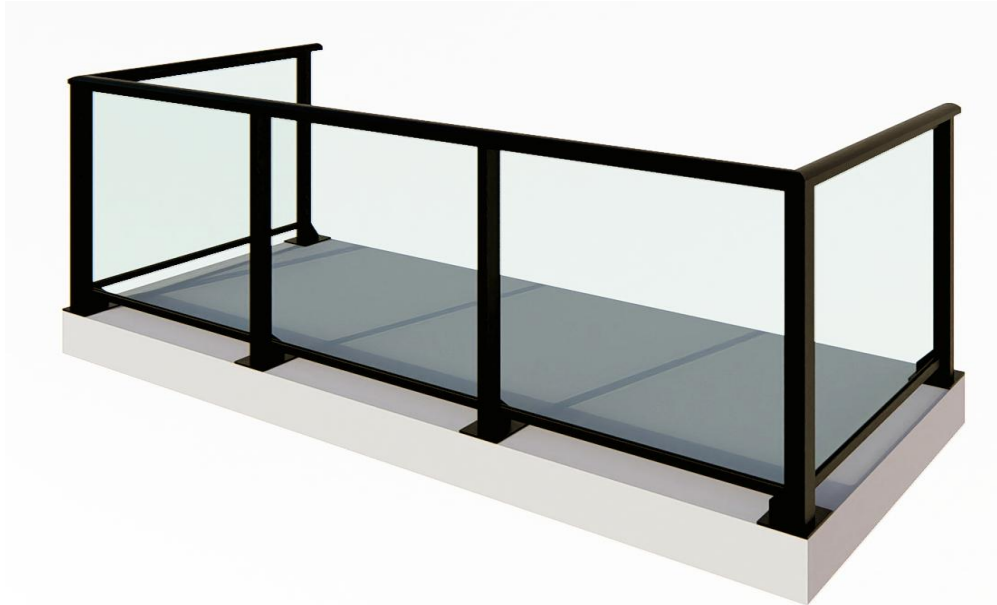
- Preserves balcony usable area
- Continuous welded panel rigidity
- Clean slab edge appearance
- Reduced waterproofing penetrations at walking surface
- Compatible with multiple glass thickness options
- Efficient prefabricated installation
- Consistent architectural elevation



RM-EDGE™ G3200-TM

Architectural Adjustable Top-Mounted Glass Railing System

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SYSTEM OVERVIEW

The **RM-EDGE™ G3200-TM** is an architectural welded aluminum and glass guard system featuring integrated glass for balcony and terrace applications.

The system utilizes welded aluminum structural assemblies, tempered glass set within aluminum glass channels, and a continuous architectural handrail profile, suitable for residential and commercial developments across low-, mid-, and high-rise construction.

SPECIFICATIONS

(Top-Mounted Welded Glass Guard System)

- Welded aluminum glass guard system for top-mounted balcony and terrace applications
- Structural aluminum posts (1 ½" × 2 ½" standard) with 2 ½" square corner post assemblies
- Shop-welded post and base assemblies fabricated under controlled manufacturing conditions
- Fixed, rigid system once installed and secured
- Tempered glass infill panels in thicknesses as required by project design
- Suitable for high-rise, mid-rise, and low-rise buildings



MATERIALS

- Weld-appropriate aluminum structural components (**6061-T6, 6005A-T6 / 6063-T6**)
 - Continuous architectural handrail extrusion with integrated glass capture
 - Tempered glass infill
 - Stainless steel fasteners and concealed setting hardware
 - Isolation materials used to prevent galvanic interaction
- All extrusions supplied by certified North American manufacturers with mill certifications available.

FABRICATION

- Shop-welded assemblies produced under controlled fabrication procedures
- Welded base and post assemblies designed to maintain panel rigidity and alignment
- Adjustment features incorporated to accommodate slab tolerances and façade variation
- Post-weld surface preparation completed prior to finishing

MOUNTING & ANCHORAGE

- Surface mounted to structural slab
 - Anchorage engineered per project loading requirements
 - Mechanical anchors or threaded rod anchorage systems utilized
 - System coordinated with waterproofing and drainage strategies
 - Base assemblies distribute loads along slab edge
- Shop drawings provided showing adjustment range and anchorage layout.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed:

- Ontario Building Code guard load requirements (OBC 4.1.5.14)
- CSA S157 aluminum structural design
- OBC SB-13 “Glass in Guards”
- Applicable ASTM laminated safety glazing standards
- Engineering review of welded assembly and adjustment mechanism

Testing summaries available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- Residential towers
- Commercial balconies
- Podium terraces
- Projects requiring refined glass alignment
- High-end architectural developments
- Retrofit guard replacement

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ADVANTAGES

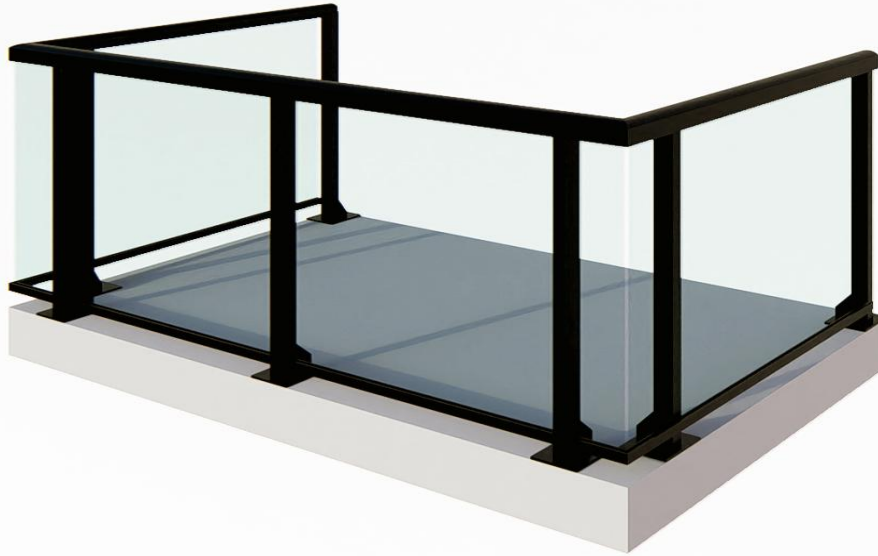
- Integrated handrail glass capture eliminates separate cap system
- Field adjustment improves installation accuracy
- Continuous welded structural frame
- Clean architectural appearance
- Reduced visual hardware
- Compatible with multiple glass thickness options
- Improved façade consistency



RM-EDGE™ G3300-TM

Architectural Slim Post Adjustable Top-Mounted Glass Railing System

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SYSTEM OVERVIEW

The **RM-EDGE™ G3300-TM** is a premium welded aluminum and glass guard system featuring a slim structural post profile and integrated glass capture at the handrail to achieve maximum transparency and refined architectural appearance.

The system incorporates adjustable installation capability while maintaining a rigid welded structural frame, making it suitable for high-performance residential and commercial balcony applications. Designed for projects requiring minimal visual mass, precise alignment, and consistent façade presentation.

SPECIFICATIONS

(Top-Mounted Welded Glass Guard System — Architectural Slim Profile)

- Welded aluminum glass guard system for top-mounted balcony and terrace applications
- Structural aluminum **1½” slim post assembly** for reduced visual obstruction
- Continuous extruded aluminum handrail profile designed to receive and capture the top edge of glass panels, eliminating the need for a separate glass channel
- Integrated adjustment capability to accommodate slab variation and ensure consistent guard elevation
- Structural aluminum posts and base assemblies fabricated from weld-appropriate aluminum alloys including **66061-T6, 063-T6 and 6005A-T6** or approved equivalent
- Shop-welded post and base assemblies fabricated under controlled manufacturing conditions
- Fixed, rigid system once installation and adjustment are completed



- Laminated safety glass infill panels in thicknesses as required by project design
- Suitable for high-rise, mid-rise, and low-rise buildings

MATERIALS

- Weld-appropriate aluminum structural components (6061-T6, 6005A-T6 / 6063-T6)
- Architectural handrail extrusion with integrated glass capture
- Tempered laminated safety glass infill
- Stainless steel fasteners and concealed setting hardware
- Isolation materials to prevent galvanic interaction

Extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- All aluminum welding performed under controlled shop conditions in accordance with **AWS D1.2**

Structural Welding Code — Aluminum

- No field welding of structural aluminum components permitted
- Welded assemblies designed to maintain structural continuity and panel rigidity
- Fabrication tolerances maintained for glass alignment and façade consistency
- Post-weld preparation completed prior to finishing

MOUNTING & ANCHORAGE

- Surface mounted to structural slab
- Anchorage engineered based on project loading requirements
- Mechanical anchors or threaded rod systems utilized
- Adjustment capability accommodates slab variation without compromising performance
- Waterproofing coordination maintained

Shop drawings provided showing anchorage layout and adjustment range.

PERFORMANCE & CODE COMPLIANCE

Designed and tested to meet or exceed:

- Ontario Building Code guard load requirements — **OBC 4.1.5.14**
- CSA S157 aluminum structural design provisions
- OBC SB-13 “Glass in Guards”
- Applicable ASTM laminated safety glazing standards
- Engineering review of welded structural assembly

Testing documentation available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- High-end residential towers
- Luxury balcony systems
- Hospitality developments
- Architectural showcase façades
- Podium terraces
- Retrofit guard replacement

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ADVANTAGES

- Slim structural profile for maximum transparency
- Integrated handrail glass capture eliminates channel
- Adjustable installation capability
- Continuous welded structural frame
- Premium architectural appearance
- Reduced visible hardware
- Consistent façade alignment





RM-VERT™ P2100TM

Standard Top-Mounted Aluminum Picket Railing System

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SYSTEM OVERVIEW

The **RM-VERT™ P2100-TM** is a welded aluminum picket guard system designed for balcony, terrace, and elevated guard applications across residential and commercial projects. The system utilizes shop-welded aluminum posts, rails, and pickets to provide a durable, low-maintenance guard solution with consistent structural performance and architectural flexibility. Suitable for new construction and retrofit applications.

SPECIFICATIONS

- Welded aluminum picket guard system for top-mounted applications
- Structural aluminum **1½" x 2 1/2" post assembly**
- Structural aluminum posts, rails, and pickets fabricated from weld-appropriate aluminum alloys including **6061-T6, 6063-T6 and 6005A-T6** or approved equivalent
- Shop-welded post and rail assemblies fabricated under controlled manufacturing conditions
- Vertical aluminum picket infill; picket size and spacing configured to meet building code requirements
- Fixed, rigid system once installed and secured
- Suitable for residential, multi-residential, commercial, and podium applications



MATERIALS

- Weld-appropriate aluminum structural components (6061-T6, 6005A-T6 / 6063-T6)
- Aluminum picket profiles available in multiple sizes
- Stainless steel fasteners and concealed hardware where required
- Isolation materials incorporated to mitigate galvanic interaction

All extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- Shop welding performed under controlled fabrication procedures
- Welded assemblies designed to maintain panel rigidity and consistent alignment
- Fabrication tolerances maintained to support efficient field installation
- Post-weld preparation completed prior to finishing

MOUNTING & ANCHORAGE

- Surface mounted to structural slab or supporting structure
 - Anchorage engineered based on project loading and substrate conditions
 - Mechanical anchors or threaded rod anchorage systems utilized
 - Base assemblies distribute guard loads along slab edge
- Shop drawings provided showing panel layout and anchorage configuration.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed:

- Ontario Building Code guard load requirements — **OBC 4.1.5.14**
- CSA S157 aluminum structural design provisions
- Guard opening limitations restricting passage of a 100 mm sphere
- Engineering review of welded guard assemblies

Testing summaries and engineering documentation available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

APPLICATIONS

- Residential balconies
- Multi-residential developments
- Podium terraces
- Stair guards
- Commercial projects
- Retrofit guard replacement



ADVANTAGES

- Durable welded aluminum construction
- Low maintenance compared to steel systems
- Cost-effective guard solution
- Consistent architectural appearance
- Flexible picket spacing and profiles
- Compatible with multiple building types
- Efficient prefabricated installation





RM-VERT™ P2200TM

Modern Top-Mounted Aluminum Picket Railing System.

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SYSTEM OVERVIEW

The **RM-VERT™ P2200-TM** is a modern welded aluminum picket guard system designed to provide a refined architectural appearance while maintaining the durability and structural performance required for exterior guard applications.

The system features updated picket and rail profiles, flexible post configurations, and shop-welded assemblies to deliver consistent quality across residential, commercial, and multi-residential projects.

Suitable for new construction and retrofit balcony, terrace, and stair guard applications.

SPECIFICATIONS

- Welded aluminum picket guard system for top-mounted applications
- **1½" and 2½" common post configurations with 2½" square corner post assemblies**
- Structural aluminum posts, rails, and pickets fabricated from weld-appropriate aluminum alloys including **6061-T6, 6063-T6 and 6005A-T6** or approved equivalent
- Shop-welded post and rail assemblies fabricated under controlled manufacturing conditions



- Vertical aluminum picket infill; picket size, profile, and spacing configured to meet building code requirements
- Fixed, rigid system once installed and secured
- Suitable for residential, multi-residential, commercial, and podium applications

MATERIALS

- Weld-appropriate aluminum structural components (6061-T6, 6005A-T6 / 6063-T6)
 - Modern picket profile options including square and rectangular variations
 - Stainless steel fasteners and concealed hardware where required
 - Isolation materials incorporated to mitigate galvanic interaction
- All extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- Shop welding performed under controlled fabrication procedures
- Welded assemblies designed to maintain alignment and panel rigidity
- Fabrication tolerances maintained to support consistent façade presentation
- Post-weld preparation completed prior to finishing

MOUNTING & ANCHORAGE

- Surface mounted to structural slab or supporting structure
 - Anchorage engineered based on project loading and substrate conditions
 - Mechanical anchors or threaded rod anchorage systems utilized
 - Base assemblies distribute guard loads along slab edge
- Shop drawings provided showing panel layout and anchorage configuration.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed:

- Ontario Building Code guard load requirements — **OBC 4.1.5.14**
- CSA S157 aluminum structural design provisions
- Guard opening limitations restricting passage of a 100 mm sphere
- Engineering review of welded guard assemblies

Testing summaries and engineering documentation available upon request.



FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

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APPLICATIONS

- Residential balconies
- Multi-residential developments
- Podium terraces
- Stair guards
- Commercial projects
- Retrofit guard replacement

ADVANTAGES

- Modern architectural picket profiles
- Durable welded aluminum construction
- Flexible post configuration
- Low maintenance exterior performance
- Consistent elevation appearance
- Compatible with multiple building types
- Efficient prefabricated installation



RM-PRO™ 3500MF-TM Glass

Structural Mechanically Fastened Top-Mounted Glass Railing System

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SYSTEM OVERVIEW

The **RM-PRO™ 3500MF-TM** is a structural aluminum and glass guard system engineered for high-performance balcony, terrace, and podium applications where elevated loading, precision anchorage, and long-term durability are required.

The system utilizes **6061-T6 mechanically fastened structural aluminum components**, concealed anchorage, and laminated safety glass to deliver reliable load transfer, clean architectural appearance, and compatibility with complex façade conditions.

Suitable for commercial, multi-residential, and high-rise construction.

SPECIFICATIONS

- Structural aluminum posts and base components manufactured from **6061-T6 aluminum**
- Top-mounted configuration designed for cast-in-place concrete and structural slab applications
- Mechanically fastened system with precision-machined connection components
- Concealed anchorage configuration to maintain architectural continuity
- Fixed, rigid system once fully installed and secured
- Accepts tempered laminated glass panels in thicknesses as required by project design
- Interior-glazed or exterior-glazed glass configurations available
- Compatible with clear, tinted, fritted, laminated, or decorative glass



- Optional aluminum infill panels available where required
- Suitable for high-rise, mid-rise, and low-rise applications

MATERIALS

- Primary structural components fabricated from **6061-T6 aluminum**
- Precision machined aluminum base assemblies
- Tempered laminated safety glass infill
- Stainless steel mechanical fasteners and concealed hardware
- Isolation materials incorporated to prevent galvanic interaction and moisture intrusion

All extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- Mechanically assembled structural components to minimize heat-affected zones
- Precision machining ensures consistent tolerances and alignment
- Modular panel fabrication supports efficient installation
- Surface preparation completed prior to architectural finishing

MOUNTING & ANCHORAGE

- Surface mounted to structural slab or embedded structural support
 - Anchorage engineered based on project loading requirements
 - Concealed mechanical anchorage systems including threaded rod or structural anchors
 - Designed to transfer guard loads directly into primary structure
 - Compatible with waterproofing and drainage coordination
- Shop drawings provided showing anchorage layout and load path.

PERFORMANCE & CODE COMPLIANCE

Independently field load tested and designed to meet or exceed:

- Ontario Building Code guard load provisions — **OBC 4.1.5.14**
- CSA structural design requirements including aluminum design provisions
- OBC SB-13 “Glass in Guards”
- Applicable ASTM laminated safety glazing standards
- Engineering review of anchorage and mechanical assembly

Testing documentation available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- High-rise balconies
- Podium terraces
- Commercial developments
- Hospitality projects
- High-load guard conditions
- Retrofit structural guard replacement

ADVANTAGES

- Structural 6061-T6 mechanical design
- Reduced welding heat-affected zones
- Concealed anchorage for clean appearance
- Flexible glazing configurations
- High load capacity
- Compatible with complex façade assemblies
- Premium positioning within the Railing Masters product line



RM-PRO™ 3500MF-TM Picket

Structural Mechanically Fastened Aluminum Picket Railing System

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SYSTEM OVERVIEW

The **RM-PRO™ 3500MF-TM Picket** is a structural mechanically fastened aluminum guard system engineered for commercial, institutional, and high-load balcony and terrace applications.

The system utilizes **6061-T6 aluminum structural components**, precision mechanical connections, and configurable picket assemblies to provide reliable load transfer, long-term durability, and architectural flexibility.

Designed for projects requiring enhanced structural performance with a picket guard configuration.

SPECIFICATIONS

- Structural aluminum posts, rails, and pickets manufactured from **6061-T6 aluminum**
- Mechanically fastened guard system designed for direct load transfer into primary structure
- Top-mounted or fascia-mounted configurations available
- Fixed, non-adjustable structural system once installed
- Vertical aluminum picket infill with spacing configured to meet building code requirements
- Picket profiles, orientation, and spacing configurable to suit project and jurisdictional requirements
- Suitable for commercial, institutional, podium, and high-traffic applications



MATERIALS

- Primary structural components fabricated from **6061-T6 aluminum**
 - Precision machined aluminum connection components
 - Aluminum picket profiles available in multiple sizes and configurations
 - Stainless steel mechanical fasteners and concealed hardware
 - Isolation materials incorporated to mitigate galvanic interaction and moisture intrusion
- Extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- Mechanically assembled structural components to maintain full material strength
- Precision fabrication ensures consistent tolerances and panel alignment
- Modular panel design supports efficient installation
- Surface preparation completed prior to architectural finishing

MOUNTING & ANCHORAGE

- Top-mounted or fascia-mounted to structural slab, steel framing, or embedded plates
 - Anchorage engineered based on project loading requirements
 - Concealed mechanical anchorage systems including threaded rod and structural anchors
 - Designed to transfer guard loads directly into primary structure
- Shop drawings provided showing anchorage layout and panel configuration.

PERFORMANCE & CODE COMPLIANCE

Independently field load tested and designed to meet or exceed:

- Ontario Building Code guard load provisions — **OBC 4.1.5.14**
- CSA structural design requirements including aluminum design provisions
- Guard opening limitations restricting passage of a 100 mm sphere
- Engineering review of mechanical structural assembly

Testing documentation available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

APPLICATIONS

- Commercial developments
- Institutional buildings
- Podium terraces
- High-traffic environments



- Stair guards
- Retrofit structural guard replacement

ADVANTAGES

- Full structural capacity using 6061-T6 aluminum
- Mechanical assembly preserves material strength
- High durability in demanding environments
- Flexible picket configuration
- Concealed anchorage for clean appearance
- Suitable for high-load guard conditions
- Premium structural positioning within the Railing Masters product line





RM-PRO™ 3500MF-FM Glass

Face-Mounted Mechanically Fastened Glass Railing System

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SYSTEM OVERVIEW

The **RM-PRO™ 3500MF-FM** is a premium face-mounted aluminum and glass guard system engineered for high-performance façade applications.

The system utilizes mechanically fastened structural aluminum components combined with laminated safety glass to achieve maximum durability, clean sightlines, and reliable structural performance.

Designed for mid-rise and high-rise construction, the system integrates with concrete slabs, steel framing, and façade assemblies while maintaining architectural transparency.

SYSTEM CONFIGURATION

- Face-mounted structural aluminum guard assembly
- Mechanically fastened post and rail construction
- Laminated tempered safety glass infill
- Modular panel fabrication for consistent quality
- Custom widths, heights, and glass configurations available
- Compatible with balcony edges, terraces, and podium conditions



MATERIALS

- Structural components fabricated from **6061-T6 aluminum** for primary load-bearing elements
- Precision machined connection components for mechanical assembly
- Tempered laminated safety glass meeting safety glazing requirements
- Stainless steel hardware and concealed fastening systems
- Isolation materials used to prevent galvanic interaction

All extrusions supplied by certified North American extrusion manufacturers with mill certification available.

MOUNTING & ANCHORAGE

- Face-mounted to structural slab edge, steel framing, or embedded plates
- Anchorage engineered based on substrate and loading requirements
- Typical anchorage includes mechanical anchors, threaded rod systems, or structural fasteners
- Designed to transfer guard loads directly into primary structure while minimizing façade disruption
- Drainage and waterproofing coordination accommodated

Shop drawings provided showing anchorage layout and interface details.

PERFORMANCE & CODE COMPLIANCE

The system is designed to meet or exceed applicable requirements including:

- Ontario Building Code guard load provisions (OBC 4.1.5.14)
- CSA S157 aluminum structural design
- OBC SB-13 “Glass in Guards” requirements
- Applicable ASTM glass standards for laminated safety glazing
- Engineering review of anchorage and load transfer

Testing summaries and engineering documentation available.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request



APPLICATIONS

- High-rise residential balconies
- Podium terraces
- Luxury residential projects
- Hospitality developments
- Commercial façade guard conditions
- Retrofit slab-edge guard replacement

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ADVANTAGES

- Mechanically fastened structural design using 6061-T6 aluminum
- Reduced heat-affected zones compared to welded systems
- Clean architectural appearance with minimal visual obstruction
- High durability in exterior environments
- Compatible with multiple glass thickness options
- Engineered anchorage solutions for complex façade conditions
- Premium positioning within the Railing Masters product line



RM-JULIET™ J1100

Face-Mounted Juliet Balcony Railing System

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SYSTEM OVERVIEW

The **RM-JULIET™ J1100-FM** is a face-mounted aluminum Juliet balcony guard system designed to provide fall protection at window and door openings where no walking surface is present.

The system delivers a slim architectural appearance while maintaining structural performance and code compliance for residential, multi-residential, and hospitality applications.

Engineered for durability, minimal maintenance, and visual clarity, the system integrates seamlessly with modern façade assemblies.

SYSTEM CONFIGURATION

- Face-mounted aluminum guard assembly
- Designed for window openings, French doors, and Juliet balcony conditions
- Glass or aluminum picket infill options available
- Factory-fabricated components for consistent quality and dimensional accuracy
- Suitable for retrofit and new construction projects
- Modular design allows custom widths and heights



MATERIALS

- Structural aluminum components fabricated from **6061-T6 aluminum** for mechanically fastened systems
- Welded components (where required) fabricated from weld-appropriate alloys such as **6061-T6, 6005A-T6 or 6063-T6**
- Tempered laminated safety glass infill where specified
- Stainless steel fasteners and hardware for corrosion resistance

All extrusions supplied by certified North American extrusion manufacturers with mill certifications available upon request.

MOUNTING & ANCHORAGE

- Face-mounted to structural wall framing, concrete, or steel substrate
- Anchoring methods engineered per project conditions
- Typical anchorage includes mechanical anchors or structural fasteners designed to transfer guard loads to primary structure
- Isolation materials used where required to prevent galvanic interaction and water infiltration

Shop drawings provided showing anchorage layout and structural interface.

PERFORMANCE & CODE COMPLIANCE

The system is designed to meet or exceed applicable building code requirements including:

- Ontario Building Code guard load requirements (OBC 4.1.5.14)
- CSA S157 aluminum structural design provisions
- OBC SB-13 “Glass in Guards” where glass infill is used
- Applicable ASTM glass standards for safety glazing

Testing and engineering documentation available to demonstrate structural performance.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

APPLICATIONS

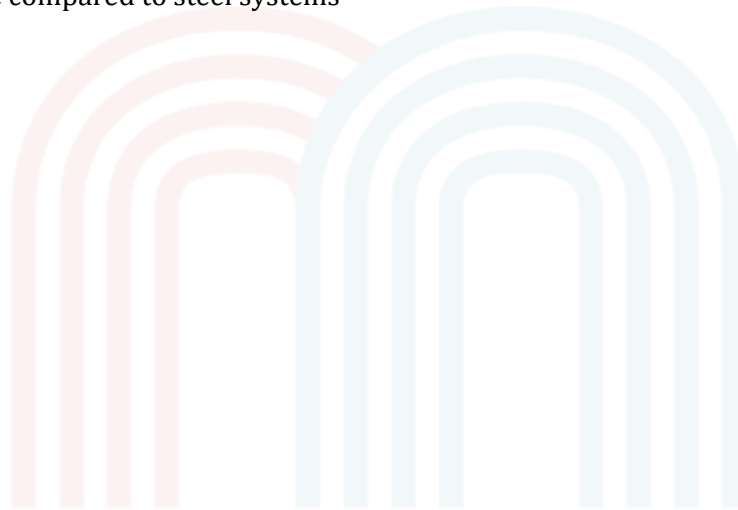
- High-rise residential towers
- Mid-rise multi-residential buildings



- Hospitality projects
- Retrofit façade upgrades
- Window guard conditions
- French door protection

ADVANTAGES

- Slim architectural profile
- Minimal visual obstruction
- Durable marine-grade aluminum construction
- Compatible with curtain wall and window systems
- Engineered anchorage solutions
- Scalable across multiple building types
- Reduced maintenance compared to steel systems





RM- JULIET™ -J1200-FM

Face-Mounted Juliet Balcony Railing System — Picket Infill

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SYSTEM OVERVIEW

The **RM-JULIET™ J1200-FM** is a face-mounted aluminum Juliet balcony guard system featuring vertical aluminum picket infill designed to provide fall protection at window and door openings where no walking surface exists.

The system offers a durable, low-maintenance alternative to steel guards while maintaining a slim architectural appearance and reliable structural performance.

Suitable for residential, multi-residential, institutional, and hospitality applications.



SYSTEM CONFIGURATION

- Face-mounted aluminum guard assembly
- Vertical aluminum picket infill configured to meet code spacing requirements
- Modular fabrication allowing custom widths and heights
- Shop-assembled panels for consistent quality
- Compatible with new construction and retrofit façade conditions

MATERIALS

- Structural posts and rails fabricated from **6061-T6 aluminum** for mechanically fastened assemblies
- Welded assemblies fabricated from weld-appropriate alloys including **6061-T6, 6005A-T6 or 6063-T6** where required
- Vertical aluminum pickets sized and spaced to comply with building code limitations
- Stainless steel fasteners and concealed mechanical connections

All aluminum extrusions supplied by certified North American extrusion manufacturers with mill certification available.

PICKET DESIGN

- Vertical picket profiles available in multiple sizes
- Picket spacing configured to prevent passage of a 100 mm sphere in accordance with guard requirements
- Welded or mechanically retained picket configurations available
- Optional decorative or architectural picket variations

MOUNTING & ANCHORAGE

- Face-mounted to concrete, steel, masonry, or structural framing
- Anchoring methods engineered per substrate and project loading requirements
- Mechanical anchors, through-bolting, or structural fastening systems used as required
- Isolation materials incorporated to mitigate corrosion and moisture intrusion

Shop drawings provided showing anchorage layout and load transfer.

PERFORMANCE & CODE COMPLIANCE

Designed to meet or exceed applicable requirements including:

- Ontario Building Code guard loading provisions (OBC 4.1.5.14)
- CSA S157 aluminum design requirements
- Guard spacing requirements limiting openings to less than 100 mm
- Applicable façade attachment design criteria

Engineering documentation and testing summaries available upon request.



FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

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APPLICATIONS

- Window guards
- French door Juliet balconies
- Multi-residential retrofits
- Schools and institutional buildings
- Hospitality projects
- Low-maintenance exterior guard conditions

ADVANTAGES

- High durability with minimal maintenance
- Greater impact resistance than glass systems
- Cost-effective façade guard solution
- Lightweight aluminum construction
- Compatible with welded and mechanical fabrication strategies
- Consistent appearance across building elevations



RM-PRO™ DIVIDER-Glass

Structural Aluminum Privacy Divider System

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SYSTEM OVERVIEW

The **RM-PRO™ DIVIDER — Glass** is a structural aluminum privacy divider system designed to provide visual screening, wind mitigation, and architectural separation between adjacent balcony and terrace spaces.

The system utilizes structural aluminum framing with laminated glass or panel infill and is available in mechanically fastened or welded configurations depending on project requirements.

Suitable for residential, commercial, and hospitality developments where durable, low-maintenance privacy solutions are required.



SPECIFICATIONS

- Structural aluminum posts and base components engineered for divider and screening applications
- Available in mechanically fastened or welded configurations depending on structural and design requirements
- Glass infill panels set within aluminum framing or channel systems
- Variety of glass and panel options including laminated, fritted, tinted, opaque, and decorative configurations
- Fixed, rigid system once installed and secured
- Modular fabrication supporting multiple heights, widths, and layout configurations
- Suitable for high-rise, mid-rise, and low-rise applications

MATERIALS

- Structural aluminum components fabricated from **6061-T6** (mechanically fastened systems) or weld-appropriate alloys including **6061-T6, 6005A-T6 and 6063-T6** (welded systems)
- Laminated safety glass or architectural panel infill
- Stainless steel fasteners and concealed hardware
- Isolation materials incorporated to mitigate galvanic interaction and moisture intrusion

Extrusions supplied by certified North American manufacturers with mill certification available.

FABRICATION

- Shop-fabricated assemblies produced under controlled manufacturing procedures
- Mechanically assembled or welded structural components depending on configuration
- Modular panel fabrication supports efficient installation and consistent alignment
- Surface preparation completed prior to architectural finishing

MOUNTING & ANCHORAGE

- Top-mounted, fascia-mounted, or integrated mounting configurations available
- Anchorage engineered based on substrate and loading requirements including wind and occupant interaction
- Concealed mechanical anchorage systems utilized where required
- Coordination with waterproofing and façade assemblies supported

Shop drawings provided showing divider layout and anchorage interface.



PERFORMANCE & CODE COMPLIANCE

Independently field load tested and designed to meet or exceed applicable requirements including:

- Ontario Building Code (2012) provisions where divider assemblies function as guards
- CSA structural design requirements including aluminum design provisions
- Applicable glass safety glazing standards
- Engineering review of structural divider assemblies

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Testing documentation available upon request.

FINISH OPTIONS

- Factory powder-coat and Duracron, Acrynar, Duranar (XL) finishes meeting **AAMA 2603, AAMA 2604 or AAMA 2605**
- Standard and custom architectural colors available
- Textured and matte finishes supported
- Anodized finishes available upon request

APPLICATIONS

- Balcony privacy dividers
- Podium terrace screening
- Wind mitigation panels
- Hospitality outdoor spaces
- Rooftop amenity areas
- Architectural façade screening

ADVANTAGES

- Structural privacy solution integrated with railing systems
- Multiple glazing and panel options
- Compatible with welded and mechanical PRO systems
- Durable exterior aluminum construction
- Modular installation
- Consistent architectural appearance
- Suitable for high-density residential environments