glassRAILINGS
> Side Mount
> Stand-Off
CARVART offers an innovative selection of modern, exceptionally crafted and pre-engineered railing systems in five (5) mounting approaches that blend fluidly into every type of facility plan.

With a wide range of specification options, CARVART glassRAILINGS can integrate seamlessly into nearly every facility design plan. The system provides exceptional quality, panel alignment and structural integrity so glassRAILINGS are not only visually consistent with the designer’s vision, but will also be easy to maintain throughout its entire life cycle.

CARVART’s glassRAILINGS are more comprehensive than other railing systems offering a wide selection of hardware and hundreds of decorative glass options to coordinate perfectly with other glass elements throughout the building. glassRAILINGS are delivered as a turnkey solution that includes hardware, glass, comprehensive engineering and final coordination services so they are not only easy to design and integrate but also simple to install and maintain.

Most importantly, CARVART glassRAILINGS meet and exceed the new, more stringent building codes recently enacted.
Types

Side Mount, Stand-off
(RAIL-SO)

**DESIGN OPTIONS**

**SO Exposed Mount**

Stand-off post design that projects glass panels away from a vertical side wall structure and facilitate air flow between the glass and building structure while providing a clean minimal look.
Specifications

glassRAILINGS > SIDE MOUNT > STAND-OFF (RAIL-SO)
Exposed stand-off post design that projects glass panels away from a vertical side wall structure and facilitate air flow between the glass and building structure. While this configuration is typically meant for interior use, glassRAILINGS > Side Mount > Stand-Off can also be used in exterior applications for easy drainage and installation.

FACILITY DESIGN APPLICATIONS
Stair railings, guardrails, balconies, atriums, terraces, event spaces or decorative balusters. Straight runs, corners and shape-cut transitions.

Stairway configurations: single flight, multiple flight and landings. Indoor and outdoor spaces.

FUNCTION
Barrier protection/division, stairway divider, fall prevention, navigation/way-finding.

GLASS TYPES — Refer to local code and structural requirements
Tempered laminated and tempered monolithic.

GLASS FINISHES — Refer to Finish Chart
CARVART laminated transparent glass design options available: 01 Core, 02 Color, 03 Pattern, 04 Metallic, 05 Textile, 08 Gradient and 10 Covert.

SURFACES
Smooth Glass.
Etched Glass.

GLASS THICKNESS — Refer to local code and structural requirements
Accommodates 5/8” Nominal up to 1” Nominal - 3/4”.

EXPOSED STAND-OFF HARDWARE
2” diameter tamper proof hardware fasteners, based on application.
1-9/16” diameter slotted, adjustable depth design, based on application.

HARDWARE MATERIALS/FINISHES — Refer to Finish Chart
Satin anodized aluminum.
Brushed stainless aluminum.

WIDTHS — OVERALL MINIMUM / MAXIMUM RANGE (inches):
Glass panels: minimum width of 12” and maximum width of 60”.
Maximum run lengths (straight, stairway and landings): unlimited.

HEIGHTS — OVERALL MINIMUM / MAXIMUM RANGE (inches):
Glass panels: minimum 12” Height; maximum 43” height above finished floors.

MOUNTING FASTENERS
Final anchoring decisions is client-directed or based on client structural consultant.
Mounting fasteners and anchors to be supplied by others.
CARVART advisory available.

STRUCTURAL LOAD/IMPACT CAPACITIES — Refer to local code and structural requirements
Rated up to 200 lbs. impact test and approximately 50 lbs. per linear foot.
Ratings and certifications available upon request.
Calculation services are available from CARVART at additional expense.
Final structural requirements are client-directed or based on client structural consultant.

ADD-ON DESIGN OPTIONS — Per specification and upcharges apply
Smooth glass tops: Innovative post-polish edges.
Top Caps: rounded oblong, rectangular, minimal rectangular.
Base LED lighting: open base cavity in all shoe mount designs (LED’s by others).
Top LED lighting: Integrated in rounded oblong and rectangular (LED’s by others).
Mitered inside and outside corners (installation and configuration not provided by CARVART).
Minimal, butt-jointed open reveals.

CUSTOMIZATION
Designed to each project specification uniquely. Meets most custom layouts.

INSTALLATION
Dry glazed adjustable wedge-clamp.
Reversible shoe for ergonomic and flexible access install.
Post-installation adjustment system ensures easy alignment of long-run railings.
Requires trained and competent glazing industry professional.
Installation instructions, assistance and training available at time of order.

HARDWARE WARRANTY
1-year limited warranty.

For more info, contact CARVART Sales Advisory Team at quotes@carvart.com or call us at 212 675 0030.
Details

Typical Front Elevation @ Guard Rail

Typical Front Elevation @ Stair Stringer

Typical Vertical Section

Top-cap options available

Finish floor and structural substrate by others (stand-offs can be mounted to various substrates: floor, railings, steel, etc.)

Anchors not supplied by Carvart unless otherwise noted in shop drawings

Finished cap to match stand-off


Stand-off distances available:
1. 13/16" [20mm]
2. 1-5/16" [30mm]
3. 1-9/16" [40mm]
4. 1-15/16" [50mm]
Options: Top-Caps

**OBLONG TOP-CAP**
Larger top-cap design for grip and aesthetic. This model can house optional LED lights (LED not supplied by CARVART).

**MINIMAL TOP-CAP**
Minimal top-cap has sleek, rectangular design that also incorporates optional LED lights (LED not supplied by CARVART).

**NO TOP-CAP**
Innovative post-polished edges enable a clean look without a top-cap.
Design appeal and detailing

Innovative post-polished laminated glass creates near-perfect edges and eliminates the need for top caps.

Minimal hardware is ideal for contemporary buildings that require this aesthetic.

Bring color, patterns, metals, woods and gradient design flair to historically basic, non-obscure aspects.
Ease of installation

Post-installation adjustment system (+/- 3/4” overall) ensures easy alignment of long-run railings.

**ADJUSTABLE/INNOVATIVE HARDWARE**
- Adjustable stand-offs enable easy installation and reduced labor time
- Dry-glazed system facilitates clean install and eliminates need for messy permanent adhesives

**COORDINATION/EXPEDITED SCHEDULES**
- Adjustable, slotted stand-offs can accommodate various glass thicknesses
- Standardized glass panel sizes can be installed anywhere
- Stand-offs can be sent out early for pre-install and sequencing of accelerated schedules

**SIMPLISTIC INSTALLATION**
- Stand-offs are easily replaced vs. the conventional approach using permanent silicon adhesive
- No additional structure required to install by GC or sub-contractors

+/- 3/4”
Life cycle maintenance

LOW LABOR COST
Conventional systems have much higher labor costs due to complex installation methods. CARVART glassRAILING products are designed to be light-weight and ergonomic to facilitate easy installation.

EASY TO REPLACE
Intermediate panels are removable and replaceable due to dry-glazed system.

CLEANING AND MAINTENANCE
Virtually no maintenance outside of cleaning once the system is in place and installed. Profiles have minimum reveals and crevices to collect dirt and grime.

DRAINAGE AND WATER SHED
Weather-resistant seals prevent most moisture from entering the system and CARVART continuous rails can be engineered to drain any excess moisture that does enter the profile.
Project management coordination

• Coordination of custom glass and hardware machining (shape-cut glass pieces)

• Project management services and training for duration of project

• Years of experience handling numerous high-profile, complex railing projects

COORDINATION AND SHOP DRAWINGS
• CARVART offers full scheduling coordination and phasing for custom project delivery

• Full range of coordination and shop drawing/engineering services

• Dedicated project managers are assigned to each project for maximum success

HARDWARE OPTIONS
• Provide full range of hardware options for infinite design and site conditions

• Multiple design options (top caps, LED integration, various finishes)

GLASS DESIGN AND DEVELOPMENT
• Glass design and development services integrate standard and custom glass selections with available hardware options

POST-DELIVERY SERVICES
• Installation training that is specific to project and product

• Project-specific service levels (including phased deliveries and shipping)

• Project logistics can ship by floor or designated area
# Glass Railings > Finishes

## COREglass
- 00 Clear
- 01 Pure
- 02 Warm
- 03 Cool

## COLORglass
- Transparent
  - Laminated
    - C045
    - C046
    - C047
    - C048
    - C049
    - C050
    - C052
    - C053
    - C054
    - C055
    - C056
    - C059
  - WL04
  - WL05
  - WL06

- Translucent
  - Whites
    - WL04
    - WL05
    - WL06
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### GLASS RAILINGS > FINISHES

#### PATTERN glass

- Etch
  - 01 Shine
  - 05 Beam
  - 07 Vision
  - 08 Glisten
  - 20 Orb
  - 21 Laser

#### METALLIC glass

- Gauze
  - 01 Stainless Steel
  - 02 Copper
  - 03 Gold
- Screen
  - 01 Stainless Steel
  - 02 Copper
  - 03 Gold
- Mesh
  - 01 Stainless Steel
  - 02 Copper
  - 03 Gold
- Reflex
  - 01 Stainless Steel
  - 02 Copper
  - 03 Gold

#### TEXTILE glass

- Herringbone
  - 01 Stainless Steel
  - 02 Copper
  - 03 Gold
  - 04 Bronze

- Linen
  - 01 Natural
  - 02 Greige
  - 03 Charcoal

- Stria
  - 01 White
  - 02 Warm
  - 03 Cool
  - 04 Copper

#### GRADIENT glass

- Wave
  - 01 White
  - 02 Warm
  - 03 Cool
  - 04 Copper

- Luxe
  - 01 Champagne
  - 02 Gold
  - 03 Copper
  - 04 Steel

#### Hardware

- MFSA
  - Satin
  - Anodized Aluminum
- MFBS
  - Brushed
  - "Stainless" Aluminum
Views

Level of translucency

T (Transparent)