glass WALLS > Movable > Double-Exterior
With eight unique movable wall products, CARVART offers a wide range of ways compose and design spaces.

CARVART’s movable wall products are unique space-dividing solutions designed to custom fit into an opening and operate easily for years to come. All CARVART movable wall products are engineered to install smoothly and efficiently. Each solution is customized fit and sized for each project opening and comes with a wide variety of design options to enable architects to configure the final design to a client’s exact needs and specifications.

Both the manual and semi-automatic designs have minimal frame detailing that can be combined with thousands of different CARVART glass and opaque panel possibilities, resulting in a tailored appearance in your space, privacy flexibility, acoustical barriers and high-quality performance.
Specifications

glass STACKWALL > DOUBLE (STAK-2XE)
Top-hung, fully-framed glass panels that provide climate control, thermal performance and travel individually along an upper track and stack and store into a pre-designated parking area. Top tracks can be concealed into the ceiling for minimal look with the advantage of glass panels completely disappearing from the opening or be left exposed.

APPLICATIONS
Space division between offices, conference rooms or flex-space.

CONFIGURATIONS
Straight runs, corner applications, custom angles, multiple parking areas, parallel and fully concealed parking areas, mid-run access doors, fixed panels for wide openings.

FUNCTION
Individually movable glass panels divide and open space and joined folding runs

GLASS TYPES
IGUs, Laminated IGU, Tempered Laminated IGU

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 IGUs with an overall thickness of 1-3/8” [36mm] with various glass builds.

HARDWARE DIMENSIONS
Aluminum top track: 2-3/4” wide x 3” high nominal. Top/Bottom finish rails: 3-7/16” deep x 4-13/16” high. Vertical side rails: 1-1/8” wide individually or double 2-5/8”

HARDWARE MATERIALS/FINISHES — Refer to Finish Chart
Satin anodized aluminum, brushed stainless aluminum, brushed nickel, polished chrome, antique satin chrome, black, antique black.

WIDTHS — OVERALL MAXIMUM (inches):
Glass panels: Maximum 37”.
Stackwall: Maximum run lengths (operable or fixed panels): Unlimited.
Foldwall: Maximum 4 Panels.

HEIGHTS — OVERALL MINIMUM/ MAXIMUM RANGE (inches):
Glass panels: Maximum 120” height above finished floors.

PERFORMANCE CERTIFICATIONS —
• EN 1026:2016-03 - Air permeability - Class 4
• EN 12211:2016-03 - Resistance to wind load - Class C3
• EN 1027:2016-03 - Water tightness - Class 4A
• ASTM E330:2002-01 - Uni. Static Air Press. Diff.: ± 1200 Pa
• ASTM E331:2016-08 - Uni. Static Air Press. Diff.: 150 Pa
• ASTM E283:2004-03

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

ADD-ON DESIGN OPTIONS — Per specification and upcharges apply
Mid-run panel access doors.
Corner extrusion.
Top-structural support available on request and for additional cost.
Lockable/Non-locking floor latch bolts available.

CUSTOMIZATION
Custom dimensions and parking areas per opening.

INSTALLATION
Simplified panel construction for easy assembly.
Self-correcting rollers easily slot into top track.
Pre-cut top track speeds up install.
Top-track includes seam connectors for improved alignment.
Requires trained and competent glazing or carpenter industry professionals.
Installation instructions, assistance and training available at time of order.
All hardware components, including doors, will be delivered knocked down and require assembly by a glazing industry professional. Certain glass and hardware finishes are available as pre-assembled products as called out in the glass and hardware finishes pages. Consult a CARVART agent for information on available pre-assembled components.

VALUE-ADDED BENEFITS
• Efficient hardware make system easy to operate
• Easy to install with self-correcting components
• Acoustic and privacy options at all seam and panel connections
• Minimal look with thin, aluminum profiles
• Pre-engineered top structure support solution for taller spaces above finish ceiling (additional cost)
• System durability and long-term integrity
• Turnkey integrated project services

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

TOP TRACK CAN BE CONCEALED ABOVE FINISHED CEILING

FLOOR LATCH

PULL, OPTION TO BE SPECIFIED IN SHOP DRAWINGS

TYPICAL HORIZONTAL SECTION

TYPICAL VERTICAL SECTION
Options: Parking Configurations

PG-01
TYPICAL PARKING AREA

PG-02
PARKING W/ CONCEALED CORNER

PG-03
PARKING AREA (WIDE OPENING)

PG-04
PARKING W/ CORNER
(VARIED PANEL SIZE OPTION AVAILABLE)

PG-05
PARALLEL PARKING

PG-06
PARKING W/ CONCEALED CORNER AND PARALLEL OPTION
Options: Panel types

- **Stacking Panel**
- **Swing Panel (at parking area)**
- **Mid-run door panel** (integrated hydraulic closer in header)
- **Fixed swing panel** (end panel only; does not stack)
- **Fixed panel**

Hydraulic floor closer
Options: Door Headers

**TYPICAL VERTICAL SECTION**
- **Aluminum Fascia**
- **Thumb Turn**
- **Drop Seal**
- **Dust-Proof Strike**

**MID-RUN PANEL DOOR VERTICAL SECTION**
- **Finished Ceiling, by Others**
- **Aluminum Extrusion**
- **Fasteners and Blocking by Others**
- **Hydraulic Closer**
- **Finished Floor**
- **Dust-Proof Strike**
- **Thumb Turn**

*CARVART GLASS, CONSULT SALES & DESIGN TEAM FOR OPTIONS*
Options: Structural support (above glassWALL systems)

- Pre-engineered, easy-to-install top support can be coordinated and provided for additional cost.
- Ideal for tall spaces where super-structure is far above finish ceiling.

5" (MIN) - 60" (MAX)
***CUSTOM AND TALLER CONFIGURATIONS AVAILABLE

CARVART-SUPPLIED/RECOMMENDED ADJUSTABLE STRUCTURE

FINISHED CEILING BY OTHERS

BUILDING STRUCTURE, BY OTHERS; CARVART CAN FACILITATE STRUCTURAL COORDINATION WITH ADJUSTABLE STRUCTURE

CARVART IS NOT RESPONSIBLE FOR MEANS AND METHODS OF FASTENING CARVART PRODUCTS TO ANY OTHER STRUCTURE

6" (MIN) - 60" (MAX)
***CUSTOM AND TALLER CONFIGURATIONS AVAILABLE

CARVART-SUPPLIED/RECOMMENDED ADJUSTABLE STRUCTURE

CARVART MOVABLE WALL SOLUTION

FINISH CEILINGS (NOT SUPPLIED BY CARVART)

FINISH CEILING BY OTHERS

FINISH CEILING BY OTHERS

ADJUSTABLE STRUCTURE TO SPAN LARGE DISCREPANCIES BETWEEN FINISH CEILING AND BUILDING STRUCTURE

ADJUSTABLE STRUCTURE TO SPAN LARGE DISCREPANCIES BETWEEN FINISH CEILING AND BUILDING STRUCTURE

FINISH DRAIN STRUCTURE (NOT SUPPLIED BY CARVART)

FINISH DRAIN STRUCTURE (NOT SUPPLIED BY CARVART)
Options: Connections

DETAIL AT WALL WITH GASKETED VERTICAL CHANNEL

- Vertical Jamb
- Gaskets
- Blocking by others
- Fastening by others

STANDARD PANEL-TO-PANEL CONNECTION WITH GASKETS

- Gaskets
### Performance Certifications

**ASTM E 283:2004-03**

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<th>Pressure differential in Pa</th>
<th>Flow rate</th>
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<td>75</td>
<td>300</td>
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<tr>
<td>Measured results at positive wind pressure</td>
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<td>absolute</td>
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**ASTM E 330:2002-01**
Uniform Static Air Pressure Difference

**ASTM E 331:2016-08**
Uniform Static Air Pressure Difference

**EN 1027:2016-03**
System Water Tightness

<table>
<thead>
<tr>
<th>3 1200 Pa</th>
<th>150 Pa</th>
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**European**
- Air permeability according to EN 1027:2016-03
  - Class 4
- Resistance to wind load according to EN 12211:2016-03
  - Class C3
- Water tightness according to EN 1027:2016-03
  - Class 4A
Ease of Installation

**SIMPLE PANEL ASSEMBLY**
All hardware components come individually packed per panel and come with individual panel assembly instructions that are labeled to match the shop drawings for easy set up and assembly.

**PRE-ASSEMBLED COMPONENTS**
Easy-to-install top track: parking areas, removable maintenance piece and lengths of top track come pre-cut and assembled making it easy and fast to install.

**SELF-GUIDED HARDWARE**
All hardware is self-guided to prevent any incorrect installation or operation.
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 lightweight and ergonomic to facilitate easy installation.

**Easy to Replace**
Intermediate panels are removable and replaceable due to dry-glazed system.

**Durability and High Cycle Testing**
All CARVART movable walls are cycled-tested to hundreds of thousands of cycles and rated for weights far beyond the maximum panel size.

**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.
Project management coordination

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

**HARDWARE OPTIONS**
- Provide full range of hardware options for infinite design and site conditions
- Multiple design options

**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
<table>
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<th>COREglass</th>
<th>COLORglass</th>
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<tr>
<td>O1 Pure</td>
<td>Translucent Whites Laminated</td>
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<td>O2 Warm</td>
<td>WL04</td>
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<tr>
<td>O5 Cool</td>
<td>WL05</td>
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**COLORglass**

- **Transparent Laminated**
  - C057
  - C058
  - C060
  - C064
  - C068
  - C070
  - C073
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  - C152
  - C156
### GLASS WALLS > MOVABLE > DOUBLE-EXTERIOR

#### PATTERN glass
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<thead>
<tr>
<th>Pattern</th>
<th>Glass Texture</th>
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<tr>
<td>Etch</td>
<td>01 Shine 05 Beam 07 Vision 08 Glisten 20 Orb 21 Laser</td>
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#### METALLIC glass
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<td>01 Stainless Steel 02 Copper 03 Gold</td>
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<tr>
<td>Herringbone</td>
<td>01 Stainless Steel 02 Copper 03 Gold</td>
</tr>
<tr>
<td>Wire</td>
<td>01 Stainless Steel 02 Copper 03 Gold</td>
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#### TEXTILE glass
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<th>Pattern</th>
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<td>Linen</td>
<td>01 Optical White 20 Pearl</td>
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<tr>
<td>Wave</td>
<td>01 White 02 Warm 03 Cool 04 Copper</td>
</tr>
<tr>
<td>Stria</td>
<td>01 White 02 Warm 03 Cool 04 Copper</td>
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</tbody>
</table>

#### GRADIENT glass
<table>
<thead>
<tr>
<th>Pattern</th>
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<tbody>
<tr>
<td>01 Dot</td>
<td>02 Ombre</td>
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#### COVERT glass
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<th>Pattern</th>
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#### Hardware
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<th>Hardware</th>
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<td>MFSA</td>
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<td>MFPA</td>
<td>Polished Aluminum</td>
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<td>MFBA</td>
<td>Black Anodized Aluminum</td>
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<td>MFBB</td>
<td>Blackened Aluminum</td>
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<tr>
<td>MFBN</td>
<td>Brushed Antique Nickel</td>
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<tr>
<td>MFNK</td>
<td>Brushed Satin Nickel</td>
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Views

Shown in order of lowest to highest translucency:

- T (Transparent)
- TW (Translucent W)
- T1 (Translucent 1)
- T2 (Translucent 2)
- T3 (Translucent 3)
- T4 (Translucent 4)