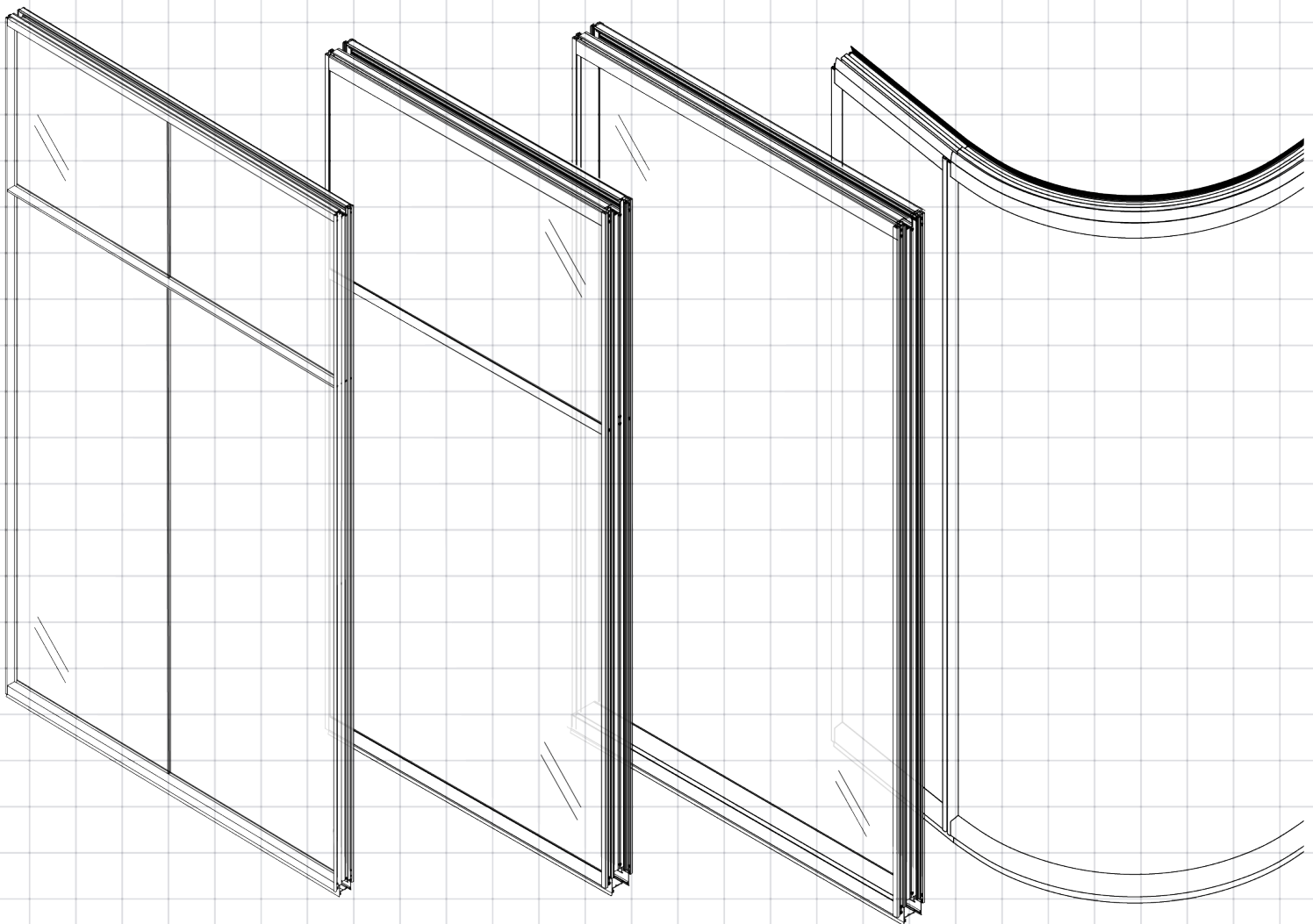


Stick-built Glass Walls

Tech Sheet



CENTER-MOUNT

DOUBLE-PANE
(EVIL TWIN)

SINGLE-PANE
ONE-SIDED
(EVIL TWIN WITH
CHANNEL FILLER)

CURVED GLASS
CORNER



COMPONENTS + MATERIALS

ALUMINUM FRAME EXTRUSIONS

Architectural Grade and Structural Aluminum Alloys

Vertical and horizontal extrusions, base track

Aluminum Finish Options

Veneer (excluding Classic and Enzo coplanar, Blade, Inspire, and Evil Twin)

Clear anodized

Powder coated

Any color choice or custom finishes available. See [DIRTT.com](https://dirtt.com) for more details.

NOTE: Powder coat is the only finish option available for the Curved Glass Corner.

Frame (Vertical and Horizontal) Profiles

Classic

Rectilinear, Curvilinear, and Blade

Center mount

Rectilinear

Double-Pane (Evil Twin)

Single-Pane one-sided (Evil Twin with channel filler)

Enzo

Rectilinear, Curvilinear, and Blade

Center mount and center mount coplanar

Rectilinear

Double-Pane (Evil Twin)

Single-Pane one-sided (Evil Twin with channel filler)

Inspire

See [Inspire Wall Tech Sheet](#)

NOTE: In single-sided Evil Twin setups, a single glass panel is placed in PVC glass wipes in one groove, with a glass channel filler in the adjacent groove of the horizontal section. Review [Evil Twin \(Article # WAL05\)](#) for further details.

Horizontal Frame Options

Muntins

Exposed intermediate horizontal members

For dividing and supporting single-pane and double-pane glass panels secured in PVC glass wipes within the grooves of horizontal muntins.

Horizontal members' height location is user defined.

Curved Glass Corner

36" and 48" options for rectilinear stick-built

NOTE: Rectilinear Evil Twin Curved Glass Corners require DIRTT Solution Support (DSS) review for feasibility and pricing. Contact info@dirtt.com.

Base Track

Options

Carpet grippers

Two-sided tape for hard floors

Structural base track anchored to floor (seismic)

Low-profile base track

Curved base track

LEVELERS

Steel leveler assembly with vertical adjustment

Options: Extended collar for additional height.

Additional cost may apply.

CENTER MOUNT AND DOUBLE-PANE (EVIL TWIN) GLASS OPTIONS

Customer's own material (COM) glass is the standard option for all stick-built glass walls. Any DIRTT-supplied glass must be approved in advance through the partner's DIRTT Project Manager (PM).

COM glass thickness options

6mm ($\frac{1}{4}$ ")

10mm ($\frac{3}{8}$ ")

12mm ($\frac{1}{2}$ ")

NOTE: Curved glass is only available in a 10mm ($\frac{3}{8}$ ") thickness.

INSULATION

1" (25mm) thick x 4" (102mm) tall insulation installed on-site in wall frame base cavity prior to base trim.

NOTE: Wall header cavity insulation is available, contact your DIRTT Project Manager (PM) for more information.

BASE TRIM

Santoprene

Color options

Silver or black



PVC COMPONENTS

PVC color options	Silver or black
Ceiling Trim	Rigid/flexible co-extrusion connection from top of wall to ceiling.
Wall Trim	Rigid/flexible co-extrusion connection from frame to base building combined with flexible wall trim.
Glass Wipe	Rigid/flexible co-extrusion—located in the glass channels of the extrusion and receives glass panels.

GLASS ADHESIVES AND SEALANTS

Polycarbonate (PC) Components

Glass Intersection Bow Ties	
PC color options	Clear or black (Inline or 90° only)
PC connection options	Inline, 90° and 3-way
Silicone	Clear
VHB Tape	Clear or black (for 90° miter corners only)

FRAME CONNECTION COMPONENTS

Hidden Ziggy Links	Frame connection, alignment, and gap control
Discrete PVC Zippers	At frame connections between frames

DIMENSIONS + DETAILS

FRAME

Standard Wall Thickness	4" (102mm)
-------------------------	------------

NOTE: The maximum specifications for frame and glass design depend on various factors including the span of the wall, layout configurations, glass thickness and jurisdictional requirements. For detailed specifications, consult the [Stick-built DIRTT Glass Wall Structural Design Calculation Report #1504001](#).

Curved Glass Corners	
Min. frame height	18" (458mm)
Max. frame height for curved corners	10'0" (3.04m)
Max. span walls up to 9'-0" (2.74m)	No limits as glass is self-supporting
Max. span walls 9'-0"–10'-0" (2.74m–3.04m)	QTY 2 panes of glass up to 5'-0" (1.52m) before a vertical is required

LEVELER

Vertical height adjustability

Non-seismic and seismic glass wall leveler	
Min. AFF to bottom of frame	5/8" (16mm)
Max. AFF to bottom of frame	2 1/8" (54mm)
Glass wall leveler with extended drive collar	
Min. AFF to bottom of frame	2 1/8" (54mm)
Max. AFF to bottom of frame	3 5/8" (92mm)
Leveler QTY required under Curved Glass Corner	QTY 4 per curved corner

WALL TRANSITION CONNECTION OPTIONS

Modular center mount 4" frame
Solid 4" frame
Various transition post options
Inspire transition post
Various base building connections
Door frames
Curved Glass Corner to 4" rectilinear glass walls
Combination wall
Stick-built walls
Multiple butt joints
Multiple horizontal breaks
Various corner connections
Curved glass corners
Glass transom over door
DIRTT-approved custom solutions

TESTING AND APPROVAL

ASTM E72

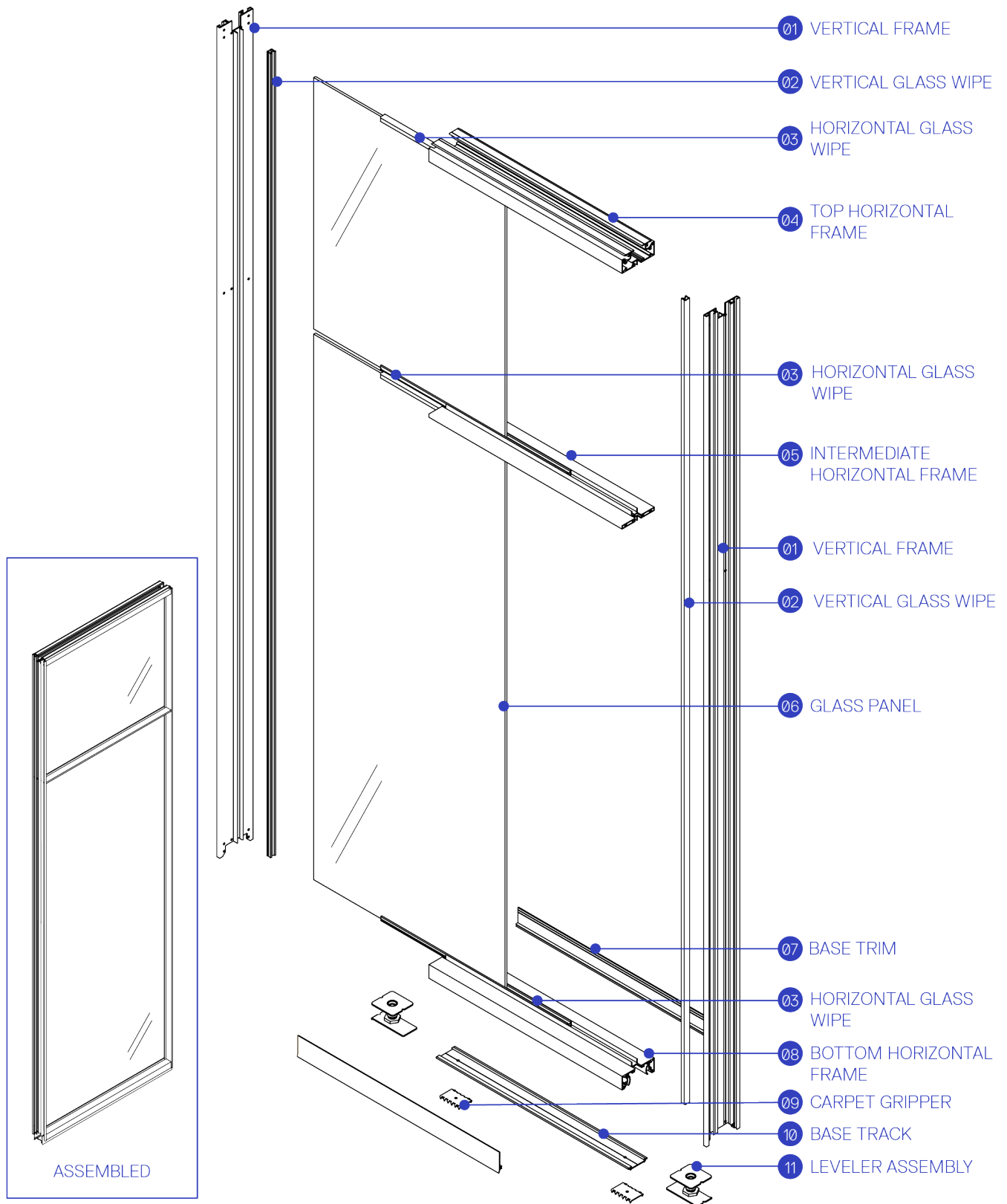
"Standard test methods of conducting strength tests of panels for building construction"

Seismic
Seismic engineering [calculations](#)
Seismic engineering [details](#)

NOTE: Testing reports, details, and approvals are available upon request.

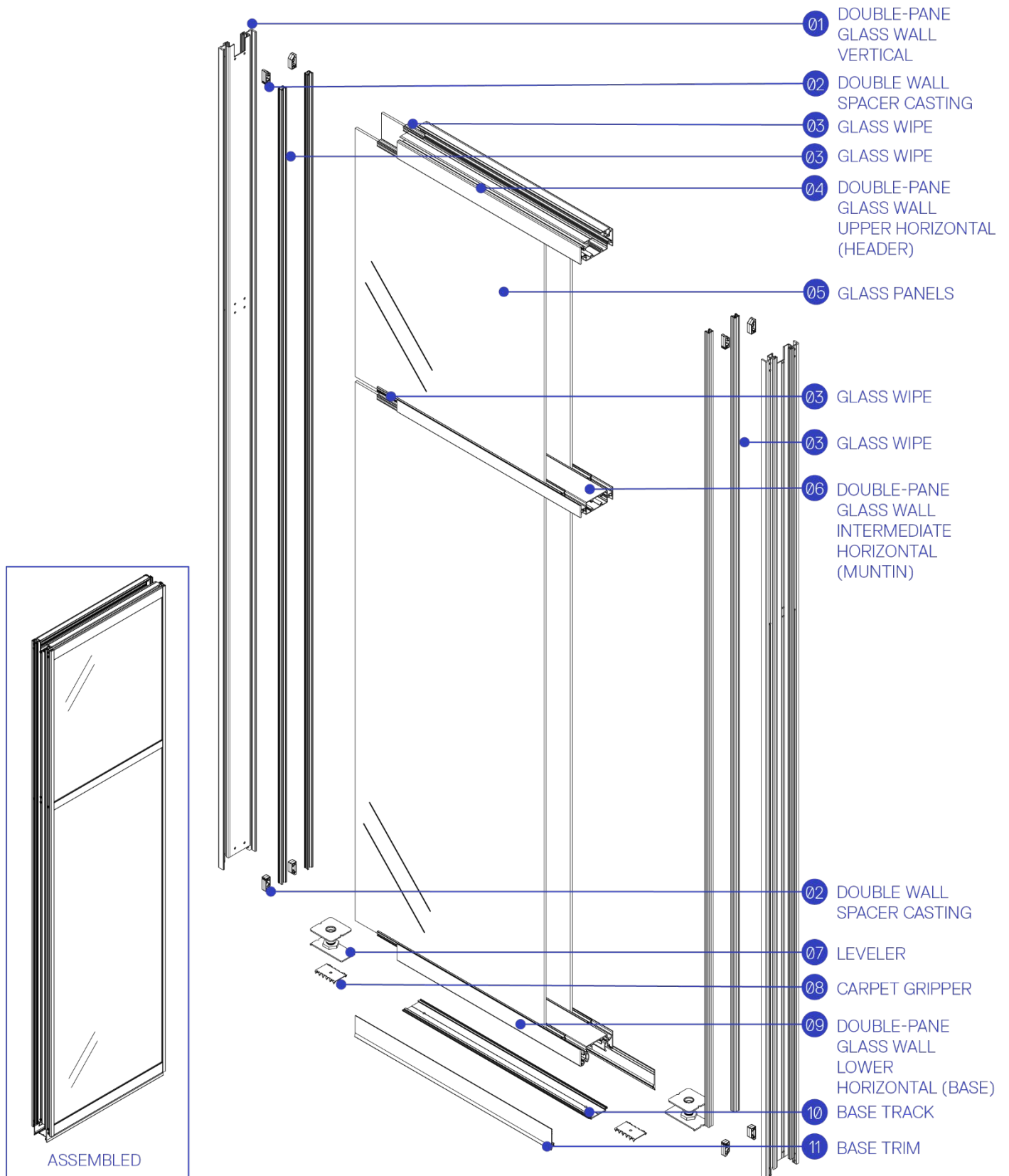


SINGLE-PANE CENTER MOUNT GLASS WALL



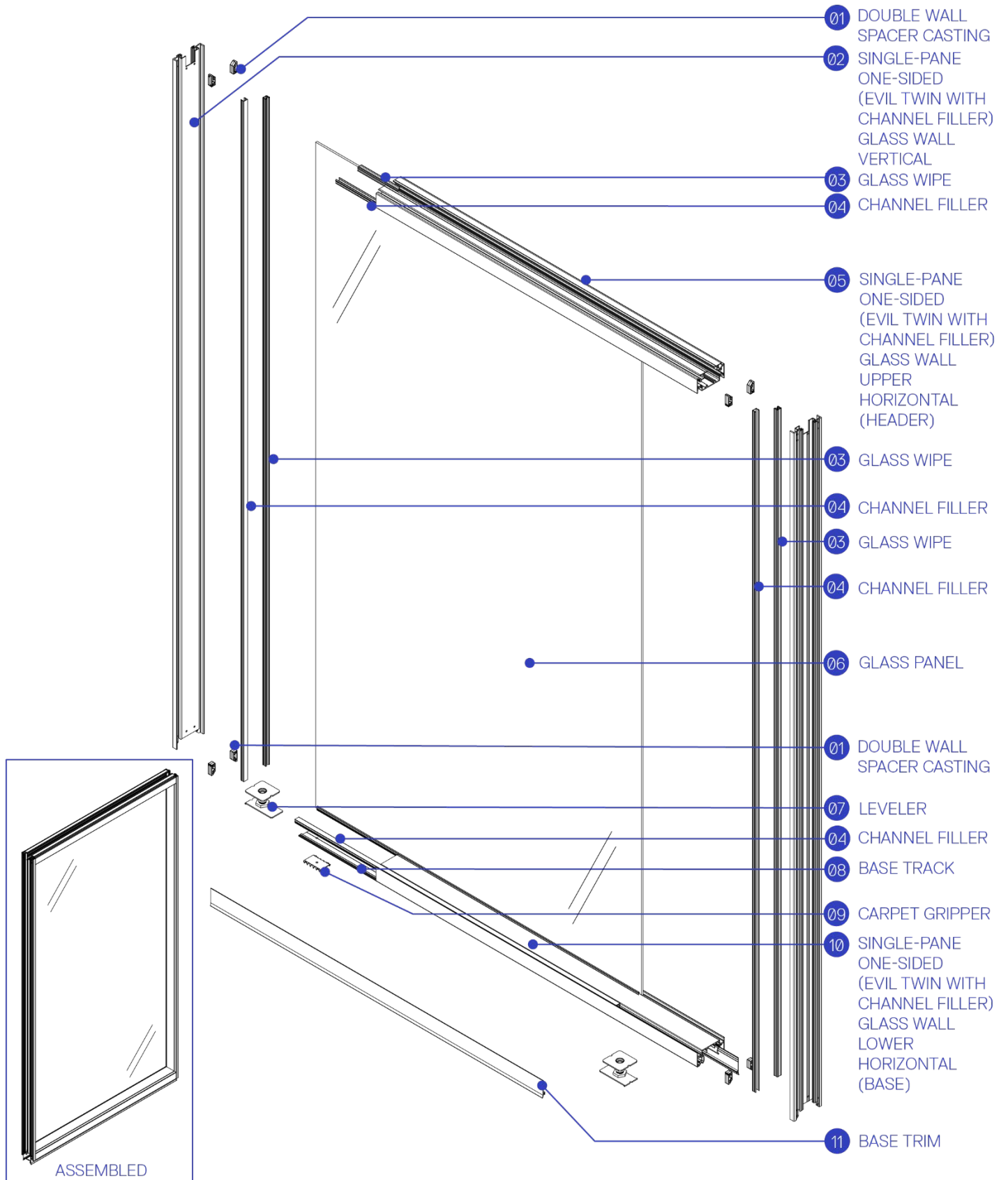


DOUBLE-PANE (EVIL TWIN) GLASS WALL



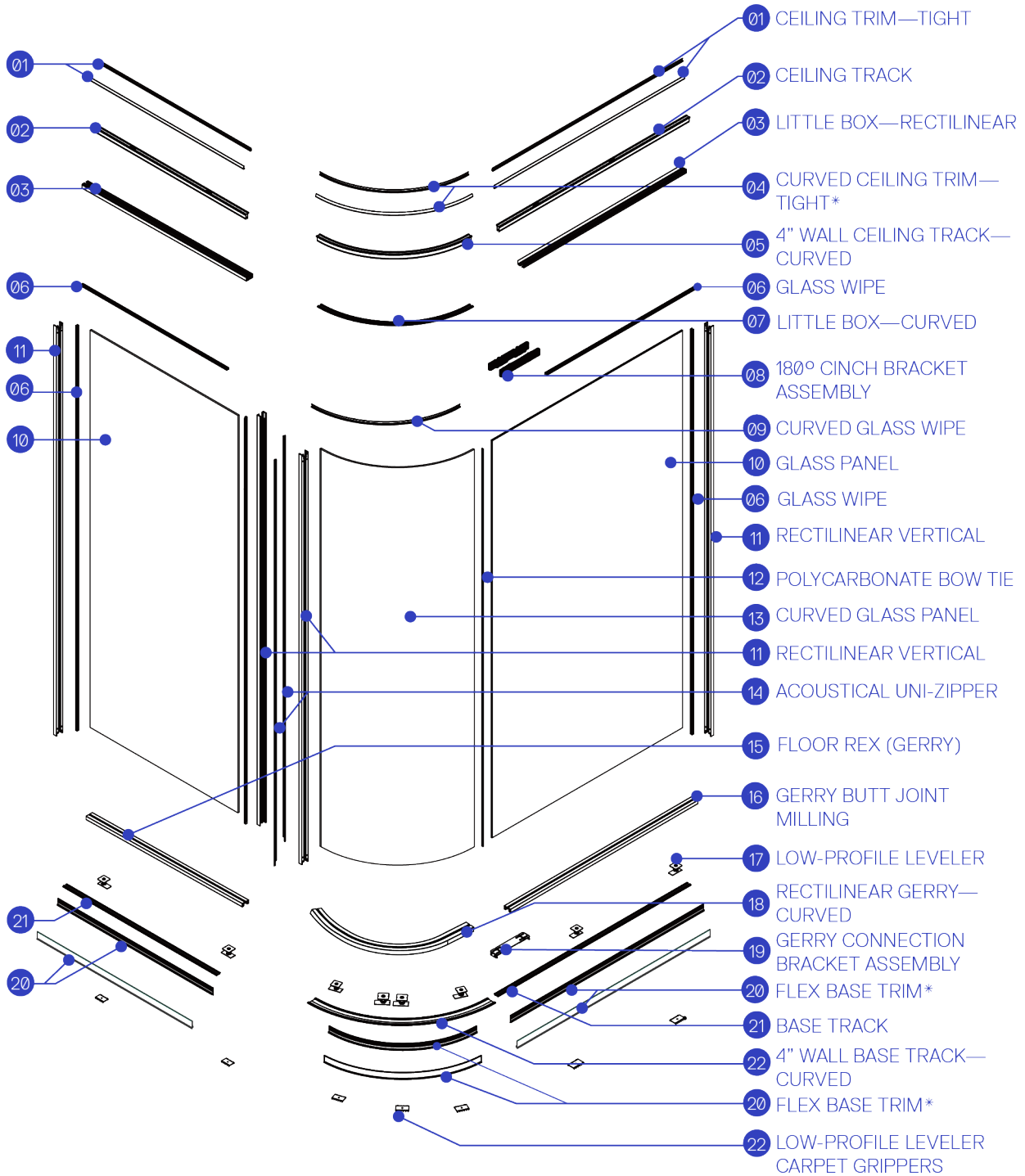


SINGLE-PANE ONE-SIDED (EVIL TWIN WITH CHANNEL FILLER) GLASS WALL





CURVED GLASS CORNER



*The ceiling and base trims are continuous pieces when installed, but they are broken up here for illustrative purposes.