CSW75 — All Glass Center Pivot Folding System

The CSW75 all glass center pivot folding system offers clean-lined, transparent solutions with no vertical profiles for retail storefronts, shopping centers, banks, offices and many other applications. The all glass aesthetic works well with all design styles. The CSW75 creates a barrier free storefront allowing for immediate engagement between retailers and their customers. In offices, the CSW75 is well suited for flexible space management and for use between structural support columns.

The CSW75 system allows for unlimited widths with the use of paired panels and offers convenient swing panels that are attached to the chain of folding panels. This center pivot folding system is able to mix and match with HSW75 and FSW75 for a seamless and consistent design.

Frameless Folding Systems for Space Management in Unlimited Widths:

Create an unlimited span of top hung center pivot folding panels with the addition of paired panels to optimize space management or to solve unique design challenges between support columns. CSW75 does not require the use of a floor track.

3 15/16" Continuous Rail for Outstanding Aesthetics:

The CSW75 system comes standard with a 3 15/16" (100 mm) continuous top and bottom horizontal rail, allowing for a beautiful aesthetic and maximum glass. Customized rail options are available in increments of 3/16" (5 mm) from 5 1/4" (133 mm) to 7 13/16" (198 mm). To meet ADA requirements, two options are offered: a 10" (254 mm) bottom rail or a 4 5/8" (117 mm) chamfer bottom rail.

Mix and Match System Options Available for Total Design Freedom:

The CSW75 uses the same head track and has the same 3 15/16" (100 mm) continuous top and bottom horizontal rails as the single track sliding HSW75 and the folding FSW75 systems. These three systems can be mixed and matched to create solutions for unique design challenges all with the same continuous look.

Smooth and Quiet Operation:

The rollers are designed using hardened steel ball bearings with glass fiber reinforced polyamide wheels with memory effect for quiet and smooth operation. Polyamide bumpers are added to each end of the roller to avoid metal to metal contact of the rollers inside the track.

Taller Heights and Wider Widths:

CSW75 comes in sizes up to 3' 3" (1000 mm) in width and 10' 6" (3200 mm) in height for full sized folding panels. The folding end panel comes in sizes between 1' 2" (360 mm) and 1' 9" (540 mm) in width and 10' 6" (3200 mm) in height. A single action folding swing panel or option of a pair of swing panels are available in the middle of the system with sizes available up to 3' 3" (1000 mm) in width and 10' 6" (3200 mm) in height. For all single/double action end panels, sizes available are up to 3' 7" (1100 mm) in width and 10' 6" (3200 mm) in height.

No Need for Additional Structural Support for Parking:

With the CSW75 there is no need for additional structural support for the parking of the panels since parking remains within the plane of the opening.

Single/Double Action End Panels:

End panels can be single/double action panels with pivot points or single/double action panels with offset hinges that are capable of opening 180°. Single/double action panels with pivot points have passed 100,000 cycle testing.

Single Action Swing Panels Attached to a Chain of Folding Panels:

A single action swing panel is available attached to the end of a chain of panels that folds away along with the rest of the system. For additional traffic pattern requirements, a pair of single action swing panels can be added to function similarly to French doors.

Convenient Handle Height Locking Option:

Tubo100 integrates a locking mechanism with a profile cylinder at hand height into the tubular designed handle eliminating the need to kneel to lock the door at the bottom rail. Tubo100 comes in a brushed stainless steel finish.

Added Security and Acoustical Buffering in an All Glass System:

As a standard security measure, two hidden set screws per hinge are accessible only when the unit is in the open position. For projects requiring higher levels of security, or an increased acoustical barrier, NanaWall CSW75 can be configured with laminated glass.

Exterior Capabilities:

CSW75 can be used in exterior applications as a windbreak. Please note that at this time, CSW75 is not rated for air and water infiltration or acoustical performance.

Matching Hinges and Hinge Covers:

For added aesthetic value, hinges and hinge covers in coordinating colors are used.

Finishes:

Available standard door rail finish is clear anodized. Options include: dark bronze anodized, brushed anodized (closest match to stainless steel), and black anodized. Custom colors and standard RAL colors are also an available option. For installations in need of greater corrosion resistance, the post assembly is available in clear anodized finish.

The standard exterior surface finish for the normally recessed head track is clear anodized. However, it is also available in other anodized finishes, brushed anodized, or powder coated.

Locking: (Quick Release Floor Bolt with Spring Loaded Security Feature, Floor Bolt with Profile Cylinder, Floor Bolt with Half Cylinder, Tubo100)

All center pivot folding panels are equipped with a quick release floor bolt with spring loaded security feature in the lower rail. All swing panels and single/double action end panels are equipped with a quick release floor bolt with spring loaded security feature in the lower rail or an optional profile cylinder on the swing side of the system.

Additional locking options include:

The Tubo100 brushed stainless steel finish handle/locking system that integrates a locking mechanism with a profile cylinder at hand height into the tubular designed handle eliminating the need to kneel to lock the door at the bottom rail.

A lever handle with deadbolt and a mortise cylinder or with SFIC adapter.

For additional security on swing panels and single/double action end panels, an optional crank handle operated surface mounted bolt can be added at the top rail.

If requested, NanaWall will prep the glass to accept locking options provided by others in order to match project specific designs.

Adjustable Eccentric Floor Sockets for Changes in Site Conditions:

Standard to the CSW75 are eccentric floor sockets The built-in adjustability helps to deal with tolerances and building settlements.

If required, a spring loaded, dust proof socket option is available.

Door Closers:

For single/double action end panels, optional door closers are available?a floor closer is available for single/double action end panels or a top door closer is available for a single action end panel when recessing the floor closer is not an option.

Push/ Pull Handles for Single/Double Action End Panels:

CSW75 offers custom made brushed stainless steel finish door pull options with built-in bumpers to protect against metal to glass contact. Other material options, such as powder coated aluminum are also available (please contact NanaWall Systems for details).

If requested, NanaWall Systems will also prep the glass to accept door pulls provided by others in order to match project specific designs.

Matching Hinges:

For added aesthetic value, hinges and hinge covers in coordinating colors are used. Each hinge is equipped with transparent bumpers to avoid metal to metal contact.

Glazing:

Standard glass thickness supplied is 1/2" (12 mm) tempered or (12.52 mm) laminated. To reduce glass stress, glass is clamp installed for equal distribution of weight.

An optional white interlayer can be added for the closed panels to be used in a similar manner as a white board. Additional glazing options include low iron or decorative glass. Please contact NanaWall Systems to verify.

Optional Sidelites, Fixed Panels, Frameless Folding or Single Track Sliding Systems:

When required, coordinating fixed panels and sidelites are available to complete the intended design.

Frameless folding FSW75 and single track sliding HSW75 are also available.

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Maximum Size Chart for NanaWall CSW75 system for different types of panels
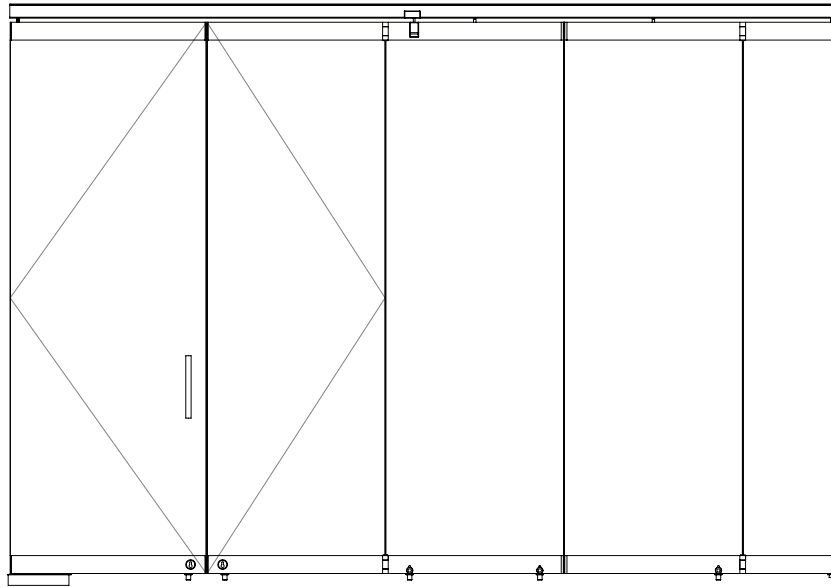
Maximum panel sizes and weights with glass thickness of 1/2" (12 mm)	Single/Double Action End Panel	Swing Panel Attached to Another Panel	Folding Panel	Folding Panel	Folding End Panel
Maximum Unit Height	10' 6" (3200 mm)	10' 6" (3200 mm)	10' 6" (3200 mm)	10' 6" (3200 mm)	10' 6" (3200 mm)
Maximum Panel Width	3' 7" (1100 mm)	3' 3" (1000 mm)	3' 3" (1000 mm)	3' 3" (1000 mm)	Max 1'9" (540 mm) Min 1'2" (360 mm)
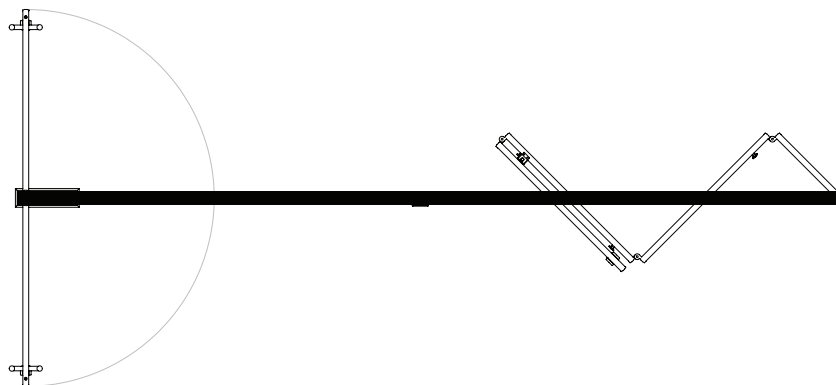
Maximum sizes for 1/2" (12 mm) as shown is per Glass Association of North America (GANA) recommendations. Please also check applicable codes for maximum allowed height for the relevant glass thickness.

Applicable codes may limit the maximum sizes possible to be less than what NanaWall allows.

Elevation drawings and plan views of some models with a majority of panels folding to the right (looking from the inside)

Not shown, but panels folding similarly but with the majority of panels folding to the left with more panels than shown (max. of 6 panels pivoting at each end) are also possible. Please check with NanaWall for other possibilities.

Shown to the right of each elevation are horizontal cross-section schematics of the folding operation of the panels. Where applicable, shown are schematics for both inward ("I") and outward opening ("A") units with the upper part being the outside and lower part being the inside. **For inward opening section details, look at details with ".0" suffix; for outward opening section details, look at details with ".1" suffix.**

Indicates folding direction

Indicates swing panel

Indicates double swing panels

In plan view indicates sockets in floor

Model 2R

Model 3R

Model 4R

Model 5R

Model 6R

Model 1L2R

Inward Swing Panel

I - 1L2R

Outward Swing Panel

A - 1L2R

Model I3R (inward) - swing

Model A3R (outward) - swing

Model (inward) I1L(inward) I3R - swing

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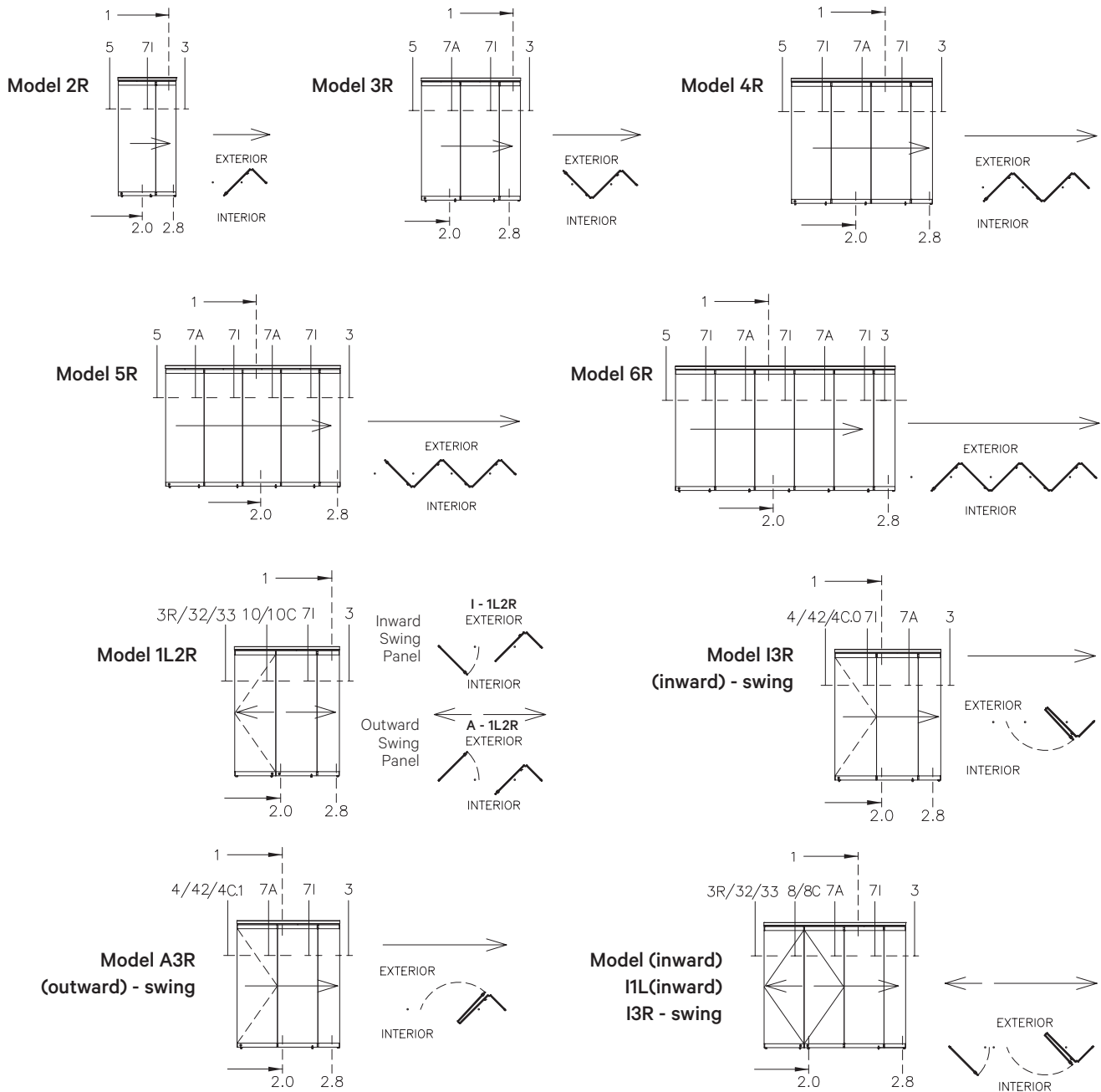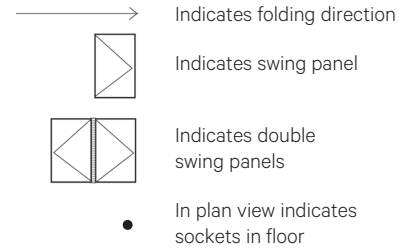
Elevation drawings and plan views of some other possible configurations (locking from the inside).
**Please check with NanaWall for other possibilities.**

Model (outward) A1L (outward) A3R swing

3R/32/33 8/8C 7A 7I 3

2.0 2.8

EXTERIOR

INTERIOR

Model (inward) I1L (outward) A4R swing

3R/32/33 8/8C 7A 7I 7A 3

1

2.0 2.8

EXTERIOR

INTERIOR

Model (outward) A1L (inward) I4R swing

3R/32/33 8/8C 7I 7A 7I 3

1

2.0 2.8

EXTERIOR

INTERIOR

Model 2L2LR1R

3R 7I 9 7AI 10/10C 3/32R/33R

1

2.0 2.8

2L2LRI1R
EXTERIOR

INTERIOR

2L2LRA1R
EXTERIOR

INTERIOR

Model 6L4LR 2LR (inward) I5R swing

3R 7IR 7AR 7IR 7AR 7IR 9 7IR 7AR 7IR 9 7AR 10/10C 7A 7I 7A 7I 3

1

2.0 2.8

INWARD OPENING

EXTERIOR

INTERIOR

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Detail 1.0/1.1 Head Profile
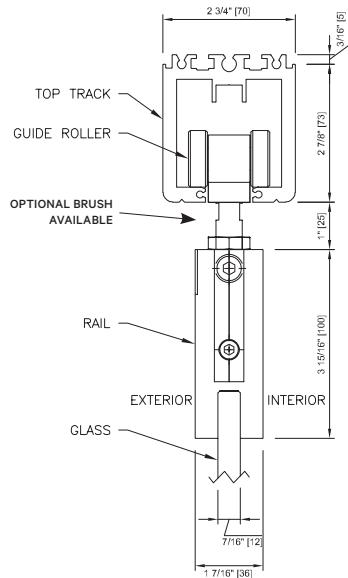
Detail 2.8 Bottom profile of end panel with pivot point
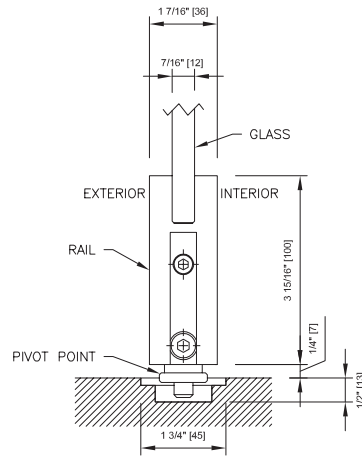
Detail 3.0/3.1 (inswing/outswing) End panel pivot point
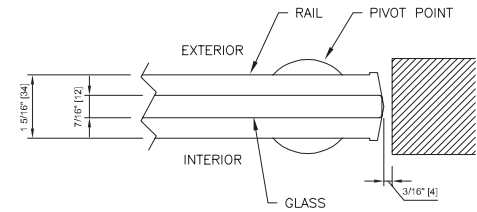
Detail 2.0/2.1 Bottom profile with guide channel and quick release lock
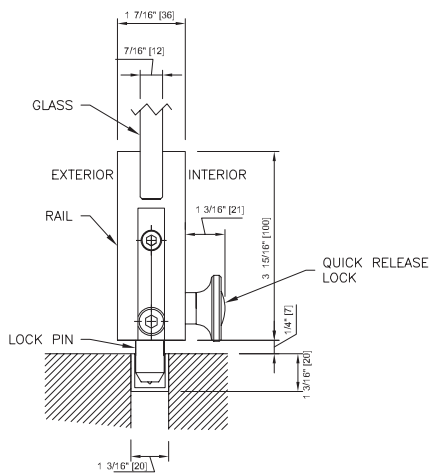
Detail 4C.0 (inswing) Swing Panel with lever handle and profile cylinder
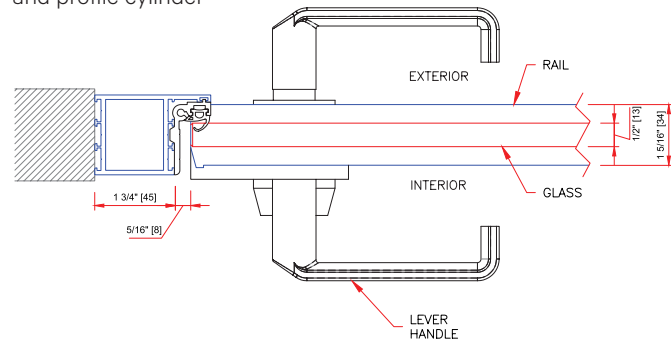
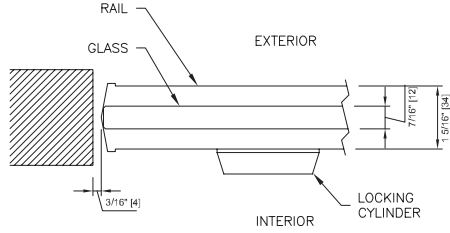**Detail 4C.1** (outswing) Swing Panel with lever handle and profile cylinder
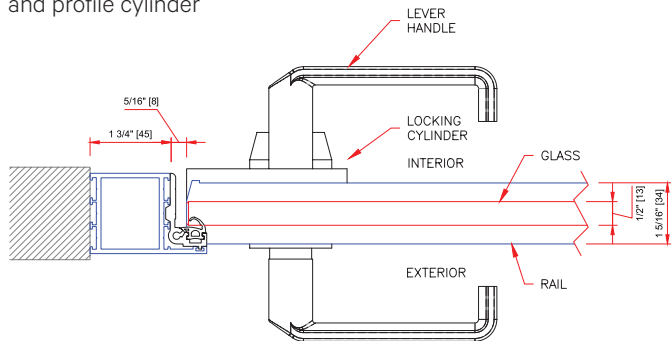
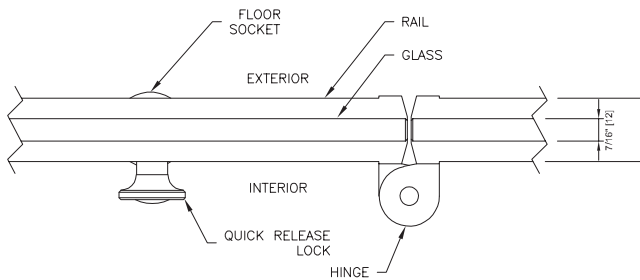**Detail 4.0/4.1** (inswing/outswing) Swing panel with profile cylinder

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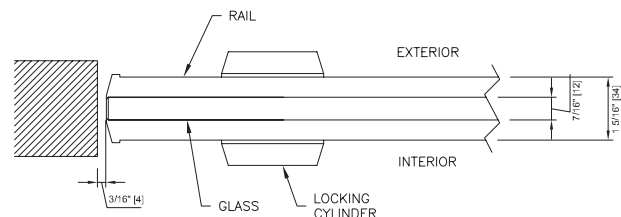
Detail 42.0/42.1 (inswing/outswing)
Swing panel with quick release lock

FLOOR SOCKET
RAIL
GLASS
EXTERIOR
INTERIOR
7/16" [12]
1.5/16" [34]
3/16" [4]
QUICK RELEASE HANDLE
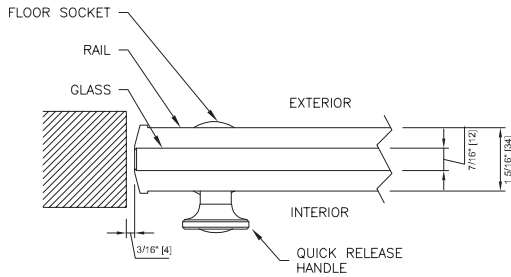
Detail 5.0/5.1 (inswing/outswing)
Folding end panel with half cylinder

RAIL
GLASS
EXTERIOR
7/16" [12]
1.5/16" [34]
3/16" [4]
INTERIOR
LOCKING CYLINDER

Detail 7I Exterior folding panels
with quick release lock on left panel

FLOOR SOCKET
RAIL
GLASS
EXTERIOR
7/16" [12]
INTERIOR
QUICK RELEASE LOCK
HINGE

Detail 7A Interior folding panels
with quick release lock on left panel

FLOOR SOCKET
HINGE
RAIL
GLASS
EXTERIOR
7/16" [12]
1.5/16" [34]
INTERIOR
QUICK RELEASE LOCK
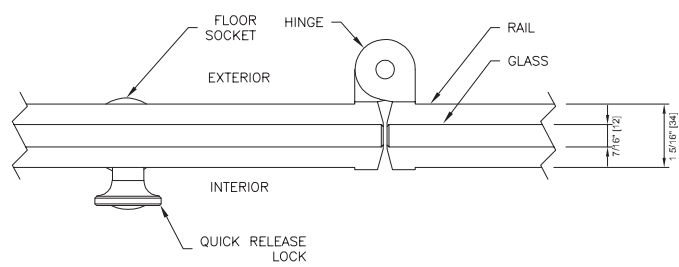
Detail 8.0/8.1 (inswing/outswing)
Swing Panels with profile cylinder

LOCKING CYLINDER
EXTERIOR
RAIL
GLASS
LOCKING CYLINDER
1.5/16" [34]
7/16" [12]
INTERIOR
PIVOT POINT
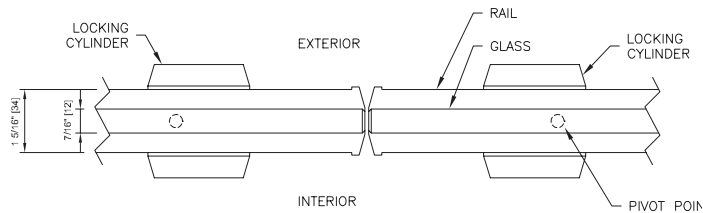
Detail 9.0 Two folding panels
with quick release lock meeting

FLOOR SOCKET
RAIL
GLASS
EXTERIOR
1.5/16" [34]
7/16" [12]
INTERIOR
QUICK RELEASE LOCK
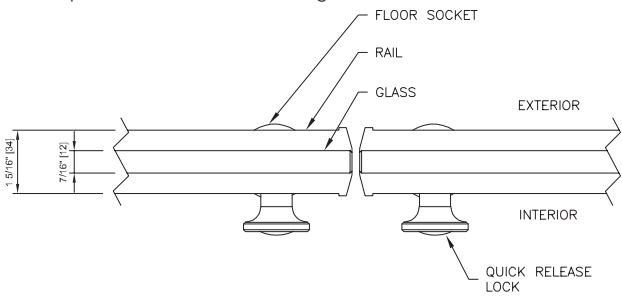
Detail 10.0/10.1 (inswing/outswing)
Swing panel and folding panel with roller meeting

LOCKING CYLINDER
GUIDE ROLLER
EXTERIOR
RAIL
1.5/16" [34]
1/2" [12]
INTERIOR
GLASS

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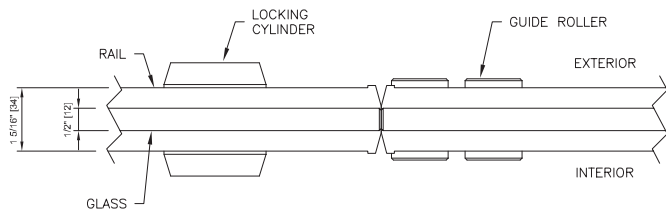
Detail 33.0 (outswing) Single action hinged end panel (can swing open 180 degrees)

EXTERIOR

INTERIOR

2 1/16" [52]

1/2" [12]

1 7/16" [36]

3/16" [4]
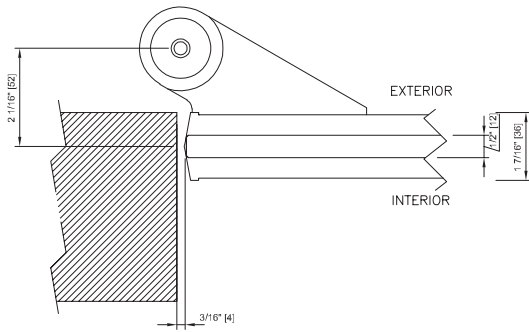
Detail 34.0 (inswing) Single action end panel

3/16" [4]

EXTERIOR

INTERIOR

2 1/16" [52]

1/2" [12]

1 7/16" [36]
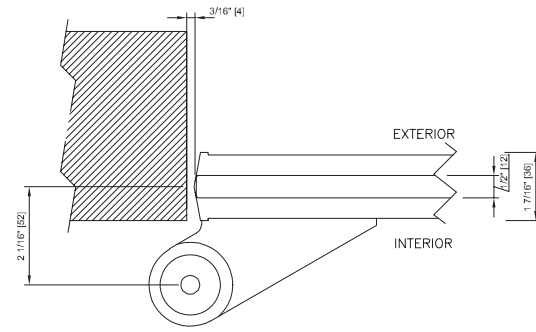
Detail 32 Single / Double action (swing) end panel with bottom door closer (non sliding)

1'-1 1/8" [333]

EXTERIOR

INTERIOR

3 7/8" [98]

3 1/8" [79]

3/16" [4]

COVER DOOR CLOSER   RECESS DOOR CLOSER

LEVER HANDLES

RAIL

GLASS

EXTERIOR

INTERIOR

LEVER HANDLES

1 5/16" [34]

7/16" [12]

7/16" [12]

1 5/16" [34]
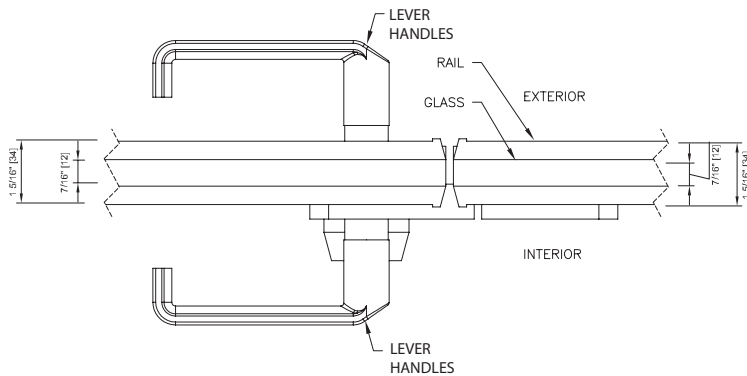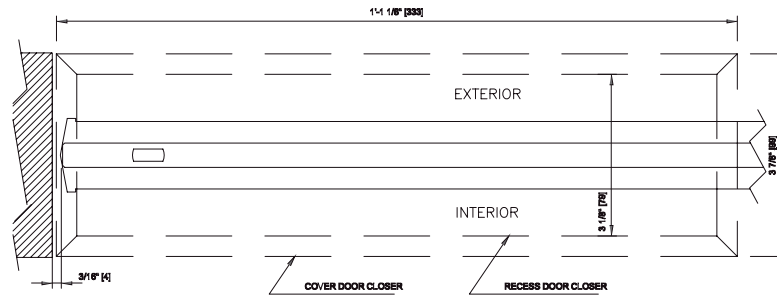
Detail 8C.0/8C.1 (inswing/outswing) Swing Panel with lever handles on primary swing panel

Detail 10C.0/10C.1 (inswing/outswing) Swing Panel with lever handles and folding panel with roller meeting

LEVER HANDLES

GUIDE ROLLER

EXTERIOR

RAIL

GLASS

INTERIOR

LEVER HANDLES

1 5/16" [34]

1/2" [12]

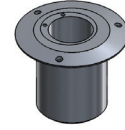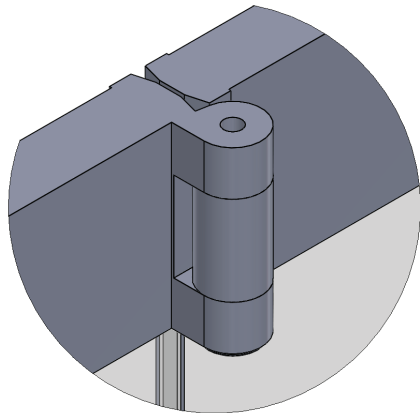**NanaWall**
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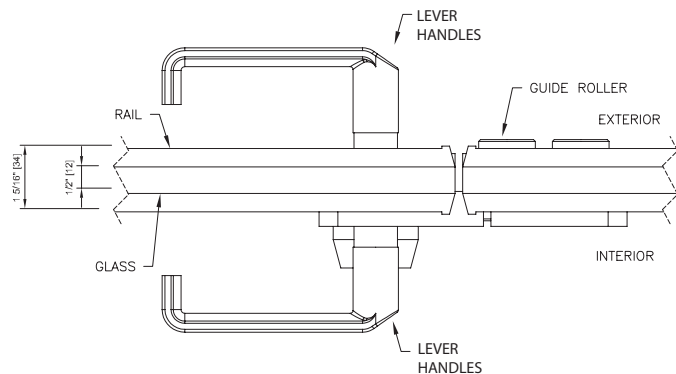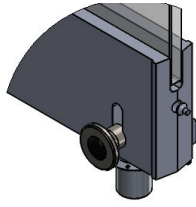
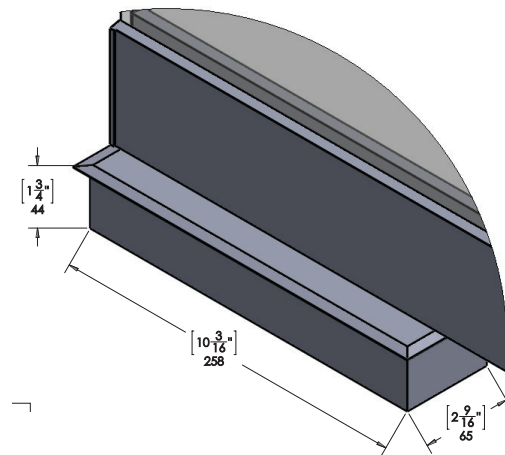Bottom profile - Quick Release Lock with Spring Loaded Security Feature
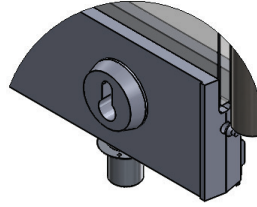
Bottom profile with Profile Cylinder

Eccentric Socket

Hinge
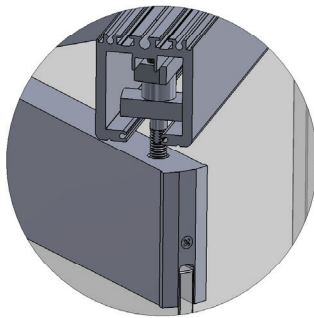

$[1\frac{3}{4}"]$ 44
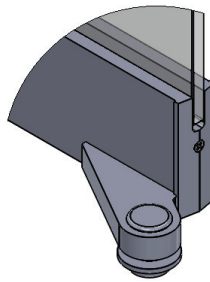
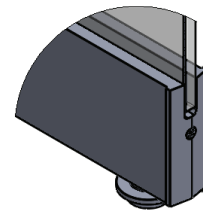$[10\frac{3}{16}"]$ 258

$[2\frac{9}{16}"]$ 65

Bottom profile - Single / Double Action end (swing) panel with Bottom Door Closer

End Panel - Top Pivot Point

Bottom profile of Single Action Hinged End Panel

Bottom profile - Single / Double Action end (swing) panel with Pivot Point

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