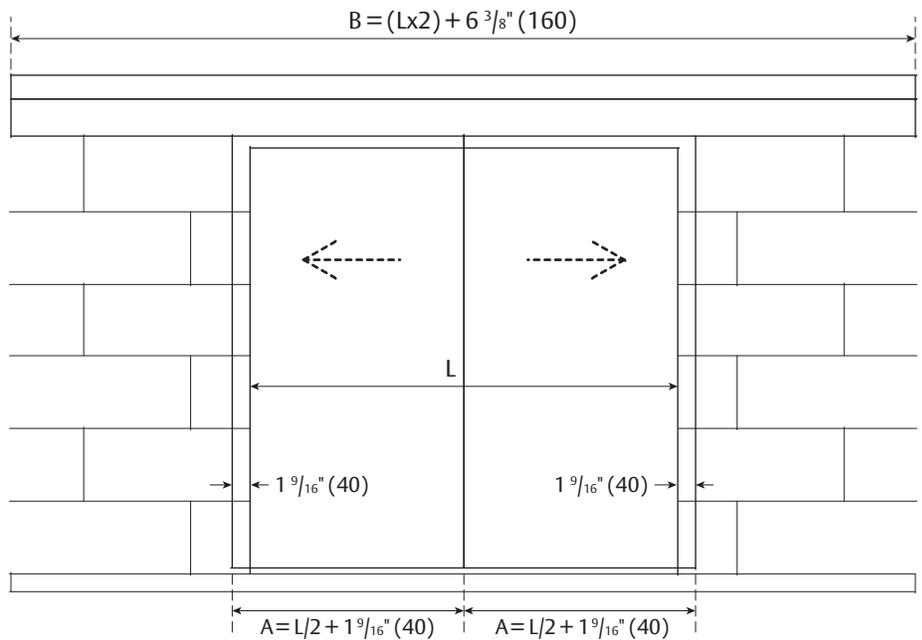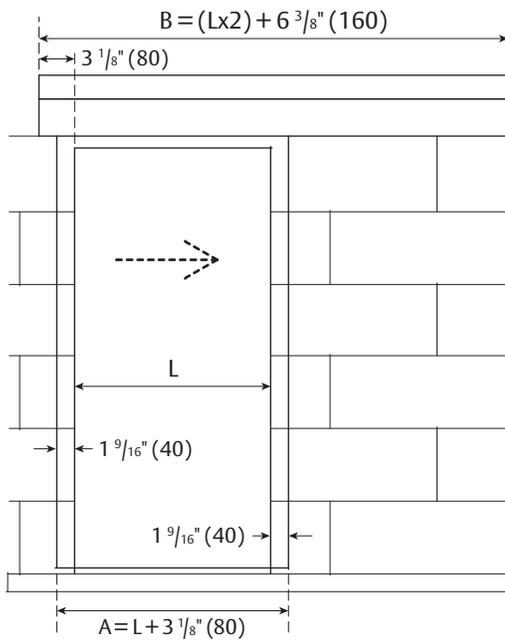# Glass Solutions

ASSA ABLOY
Opening Solutions

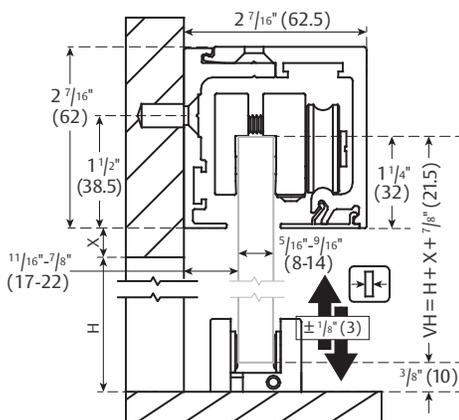## Glass Box Track Sliding System (SGS)

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L = Clear Opening
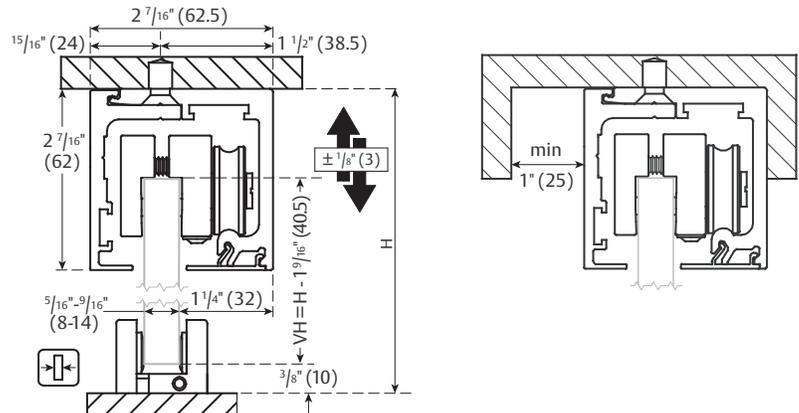A = Glass Width
B = Track length

WARNING: Must be installed into blocking.
If you have questions about what type of blocking is required, consult a structural engineer.
Ensure that track assembly attachment locations will align after track has been cut to length.
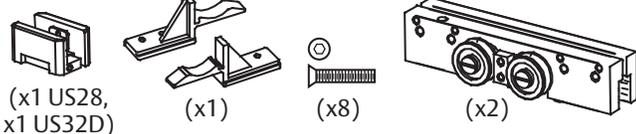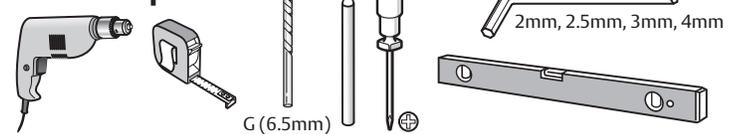When cutting track to length, insure that all burrs and sharp edges are removed.

$B = (L \times 2) + 6\,^3/_8" \,(160)$

$3\,^1/_8" \,(80)$

$1\,^9/_{16}" \,(40)$

L

$1\,^9/_{16}" \,(40)$

$A = L + 3\,^1/_8" \,(80)$

$B = (L \times 2) + 6\,^3/_8" \,(160)$

$1\,^9/_{16}" \,(40)$

L

$1\,^9/_{16}" \,(40)$

$A = L/2 + 1\,^9/_{16}" \,(40)$ $A = L/2 + 1\,^9/_{16}" \,(40)$

ASSEMBLY TO WALL

$2\,^7/_{16}" \,(62.5)$

$2\,^7/_{16}" \,(62)$

$1\,^1/_2" \,(38.5)$

$^{11}/_{16}" - ^7/_8" \,(17-22)$

$^5/_{16}" - ^9/_{16}" \,(8-14)$

$1\,^1/_4" \,(32)$

H

$\pm\,^1/_8" \,(3)$

$VH = H + X + ^7/_8" \,(21.5)$

$^3/_8" \,(10)$

ASSEMBLY TO CEILING

$^{15}/_{16}" \,(24)$ $2\,^7/_{16}" \,(62.5)$ $1\,^1/_2" \,(38.5)$

$2\,^7/_{16}" \,(62)$

$\pm\,^1/_8" \,(3)$

$VH = H - 1\,^9/_{16}" \,(40.5)$

$^5/_{16}" - ^9/_{16}" \,(8-14)$ $1\,^1/_4" \,(32)$

H

$^3/_8" \,(10)$

min
1" (25)

Parts:

(x1 US28, x1 US32D)   (x1)   (x8)   (x2)

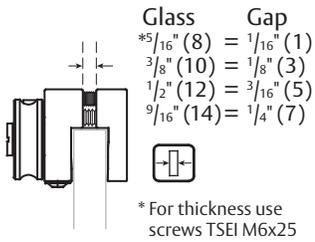## Tools Required:

G (6.5mm)   2mm, 2.5mm, 3mm, 4mm

Dimension shown: inches (mm)

Please refer to Glass Manufacturers' guidelines for cleaning glass. In addition, please refer to the National Glass Association (NGA) document FB01-00 (2020), Proper Procedures for Cleaning Architectural Glass Products, for more recommendations.
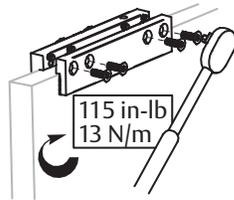
1 Assemble Clamps.

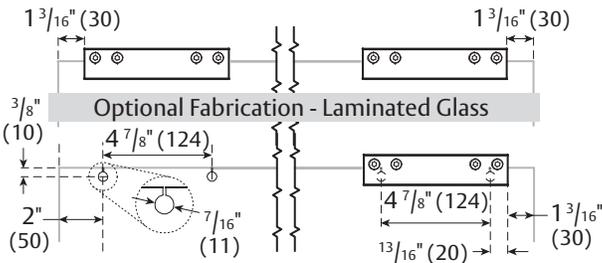**a: Turn set screws to achieve required gap.**

Glass	Gap
*5/16" (8)	= 1/16" (1)
3/8" (10)	= 1/8" (3)
1/2" (12)	= 3/16" (5)
9/16" (14)	= 1/4" (7)

* For thickness use screws TSEI M6x25

Ensure glass is fully seated in roller clamp

b: Torque roller clamp screws as shown below.

115 in-lb
13 N/m

c: Recommended roller clamp location.

1 3/16" (30)   1 3/16" (30)

Optional Fabrication - Laminated Glass

3/8" (10)
4 7/8" (124)
2" (50)
7/16" (11)
4 7/8" (124)
13/16" (20)
1 3/16" (30)
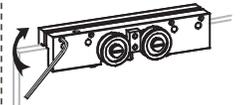
Note: For Optional Fabrication Glass Bushings and Pins are required (Provided by others)
Pin - Stainless Steel O.D. 3/16" (6)
Length: Glass Thickness + 5/16" (8)

d: Ensure all set screws are tight.

Note: See SGS Soft Close instructions if using soft close.
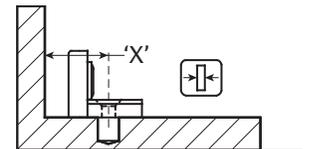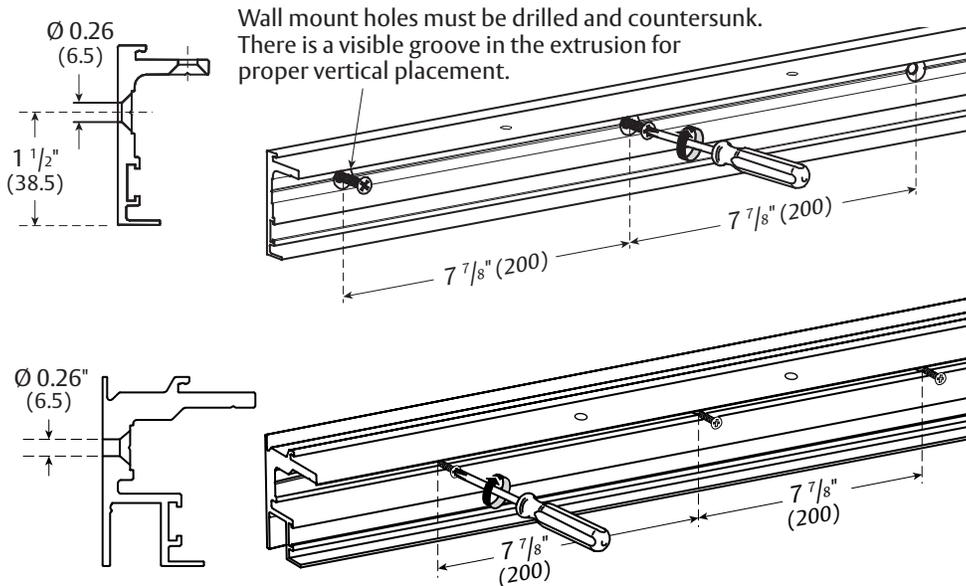
---

2 Mount Track.

Ensure that the track is level and plumb during installation.

Fasteners provided by others. If there are questions on what fasteners are to be used, consult a structural engineer.

WARNING: Must be installed into blocking. If you have any questions about what type of blocking is required, consult a structural engineer.
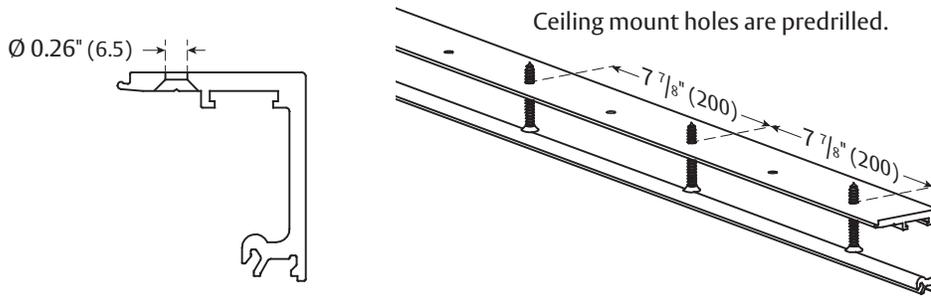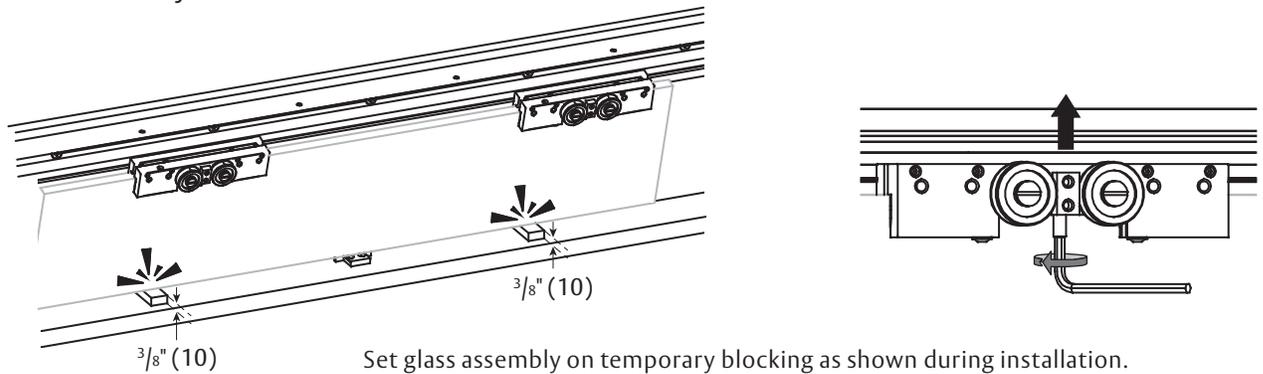

2a: Wall Mount.

Ø 0.26 (6.5)

Wall mount holes must be drilled and countersunk. There is a visible groove in the extrusion for proper vertical placement.

1 1/2" (38.5)

7 7/8" (200)
7 7/8" (200)

Ø 0.26" (6.5)

7 7/8" (200)
7 7/8" (200)
7 7/8" (200)

'X'

Glass		Distance 'X'
5/16" (8)	=	13/16" (20)
3/8" (10)	=	7/8" (22)
1/2" (12)	=	15/16" (24)
9/16" (14)	=	1" (26)

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2b: Ceiling Mount.

Ceiling mount holes are predrilled.

Ø 0.26" (6.5)

$7\,^{7}/_{8}"$ (200)

$7\,^{7}/_{8}"$ (200)
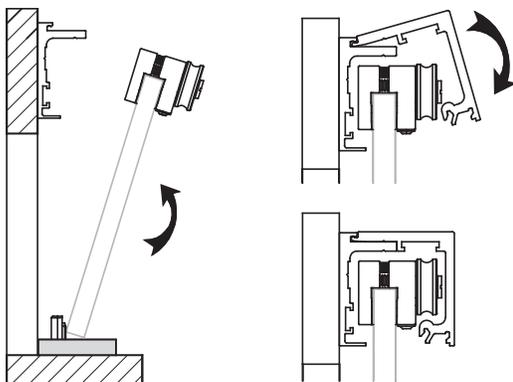
3 Attach Assembly to Track.
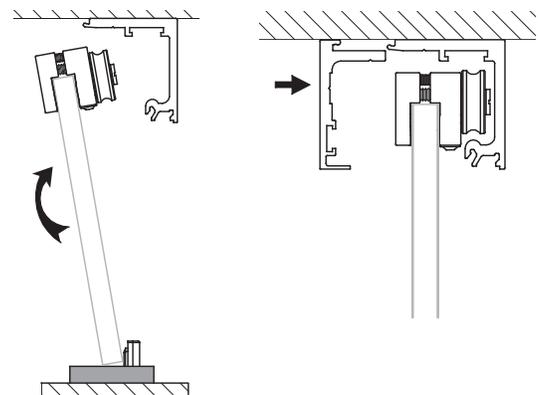
$^{3}/_{8}"$ (10)

$^{3}/_{8}"$ (10)

Set glass assembly on temporary blocking as shown during installation.
Temporary blocking $^{3}/_{8}"$ thick to set bottom door gap.
Adjust roller set screw until roller wheels are at max height.

3a: Wall Mount Assembly.
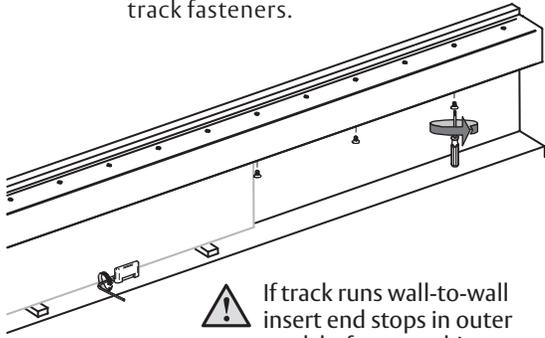
3b: Ceiling Mount Assembly.

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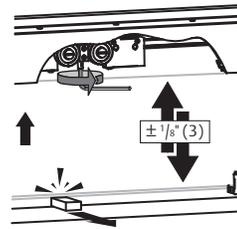and more open world

3

4 Attach Outer Track.

a: Insert and tighten accessible track fasteners.
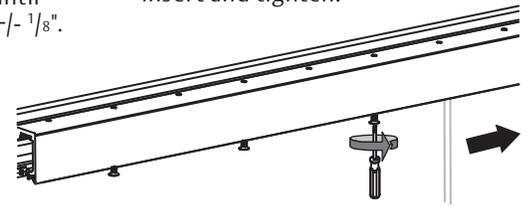
b: Tighten roller wheel set screw until temporary blocking can be removed.

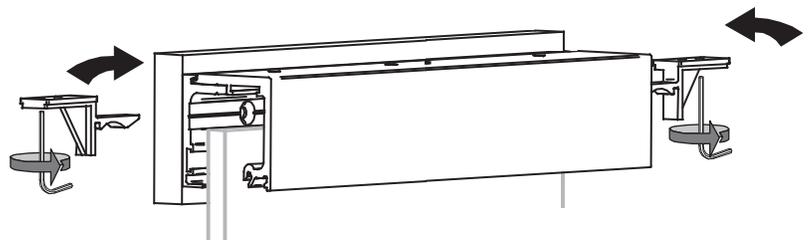Adjust roller wheel set screw until bottom door gap is set to $^3/_8$" +/- $^1/_8$".

c: Slide door to access remaining track fasteners.

Insert and tighten.

⚠ If track runs wall-to-wall insert end stops in outer track before attaching (Step 5).

$\pm\,^1/_8$" (3)

5 Attach End Stops.
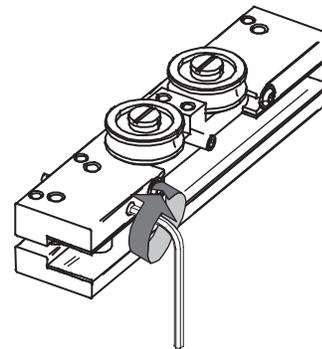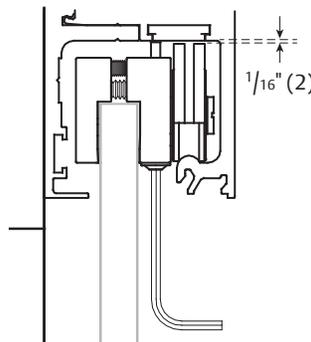
Slide door to fully opened and fully closed positions to locate end stops.

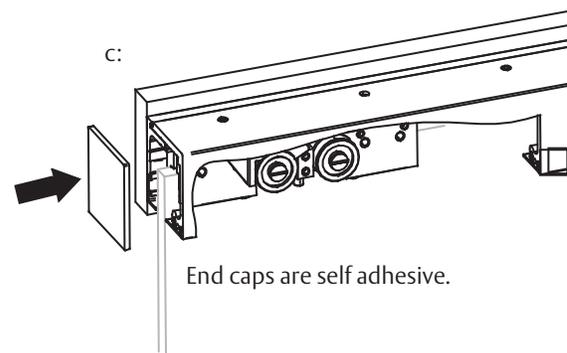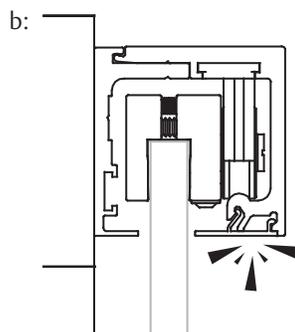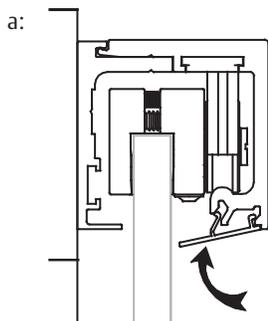Once positions are set, tighten end stop set screws.

6 Adjust Anti Jump Screw.

Tighten anti jump screw until it contacts track.

Loosen anti jump screw 2 full turns to set proper gap.

$^1/_{16}$" (2)
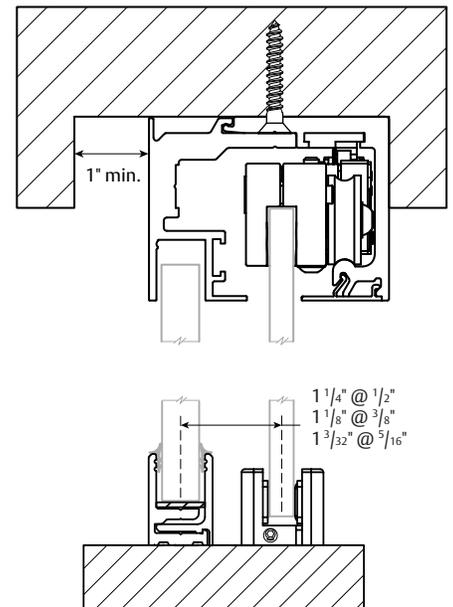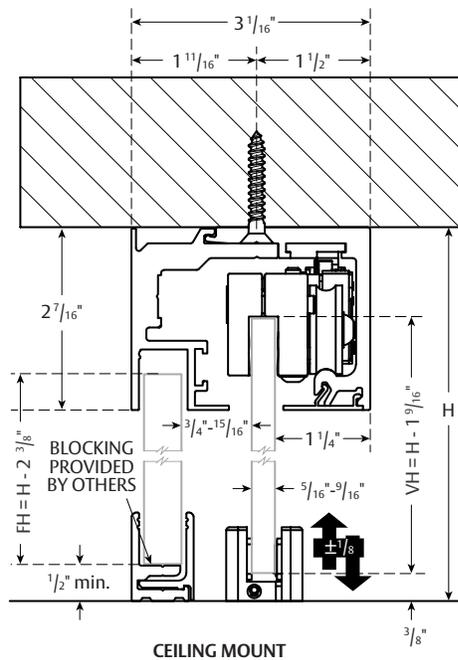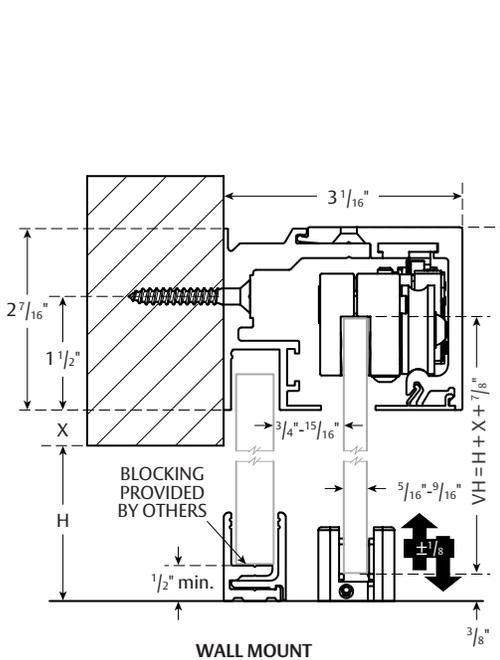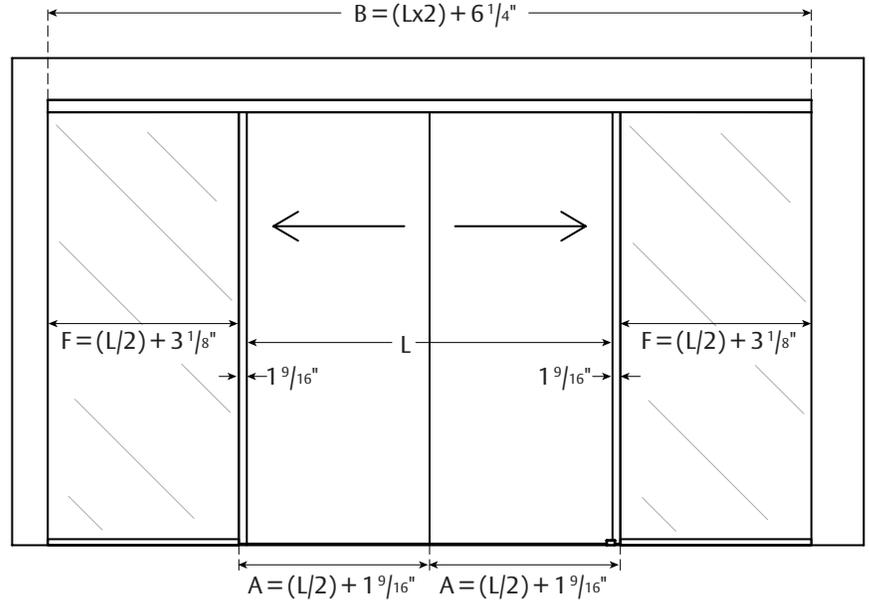
7 Attach Finishing Trim.

a:

b:

c:

End caps are self adhesive.

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4

Sidelite Option for Box Sliding System (SGS)

L = Clear Opening	A = Glass Width	B = Track length
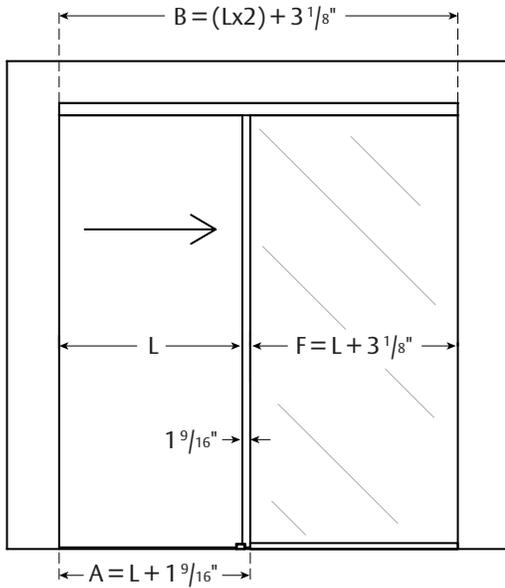
Left diagram (single sliding):

$B = (L \times 2) + 3\,^1/_8"$

L

$F = L + 3\,^1/_8"$

$1\,^9/_{16}"$

$A = L + 1\,^9/_{16}"$

Right diagram (bi-parting sliding):

$B = (L \times 2) + 6\,^1/_4"$

$F = (L/2) + 3\,^1/_8"$

$1\,^9/_{16}"$

L

$1\,^9/_{16}"$

$F = (L/2) + 3\,^1/_8"$

$A = (L/2) + 1\,^9/_{16}"$

$A = (L/2) + 1\,^9/_{16}"$

WALL MOUNT

$3\,^1/_{16}"$

$2\,^7/_{16}"$

$1\,^1/_2"$

X

$^3/_4"\text{-}^{15}/_{16}"$

$^5/_{16}"\text{-}^9/_{16}"$

$VH = H + X + \,^7/_8"$

BLOCKING PROVIDED BY OTHERS

$^1/_2"$ min.

$\pm\,^1/_8$

H

$^3/_8"$

CEILING MOUNT

$3\,^1/_{16}"$

$1\,^{11}/_{16}"$

$1\,^1/_2"$

$2\,^7/_{16}"$

$^3/_4"\text{-}^{15}/_{16}"$

$1\,^1/_4"$

$^5/_{16}"\text{-}^9/_{16}"$

$FH = H - 2\,^3/_8"$

$VH = H - 1\,^9/_{16}"$

BLOCKING PROVIDED BY OTHERS

$^1/_2"$ min.

$\pm\,^1/_8$

H

$^3/_8"$

Right section detail:

$1"$ min.

$1\,^1/_4"$ @ $^1/_2"$

$1\,^1/_8"$ @ $^3/_8"$

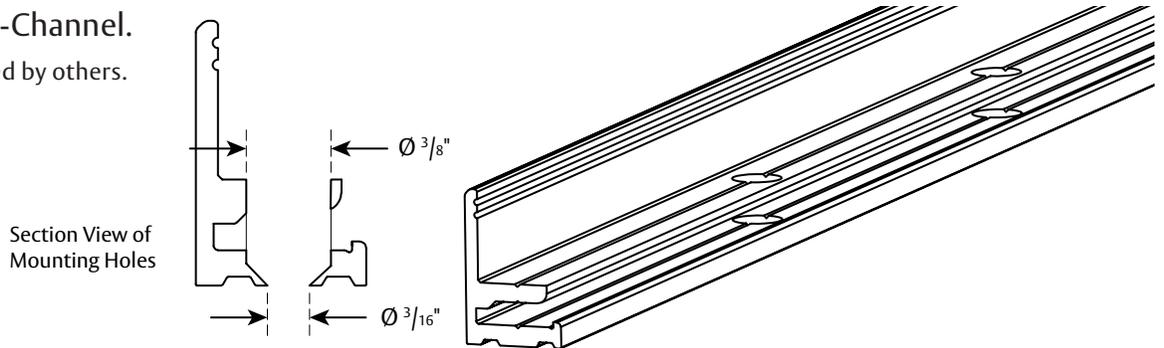$1\,^3/_{32}"$ @ $^5/_{16}"$

Dimension shown: inches (mm)

Please refer to Glass Manufacturers' guidelines for cleaning glass. In addition, please refer to the National Glass Association (NGA) document FB01-00 (2020), Proper Procedures for Cleaning Architectural Glass Products, for more recommendations.
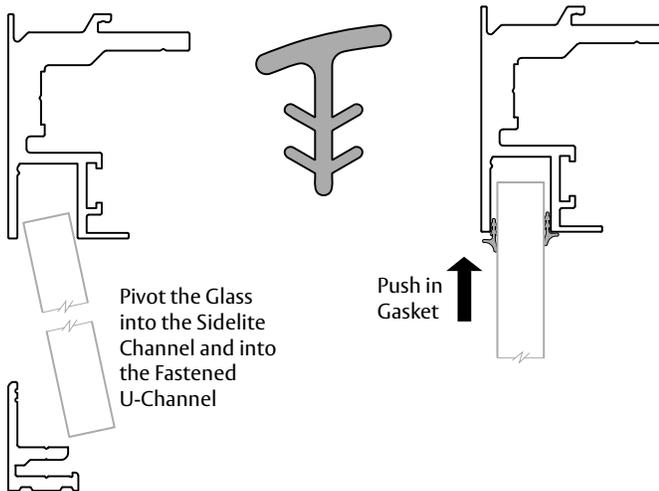
ASSA ABLOY
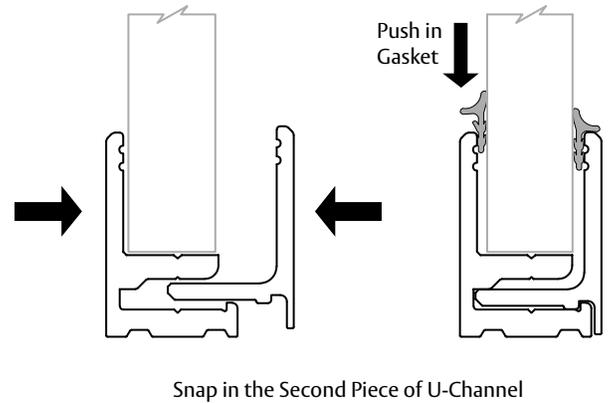Opening Solutions

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5

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1   Install 2-piece U-Channel.

Note: Screws provided by others.

Ø $^3/_8$"

Section View of
Mounting Holes

Ø $^3/_{16}$"

2   Install Gasket and Sidelite Glass.

Pivot the Glass
into the Sidelite
Channel and into
the Fastened
U-Channel

Push in
Gasket

3   Snap in U-Channel and
Install Gasket.

Push in
Gasket

Snap in the Second Piece of U-Channel

4   Snap-in Finishing Trim.
Install where no glass
is installed in
sidelite track.

ASSA ABLOY Opening Solutions
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