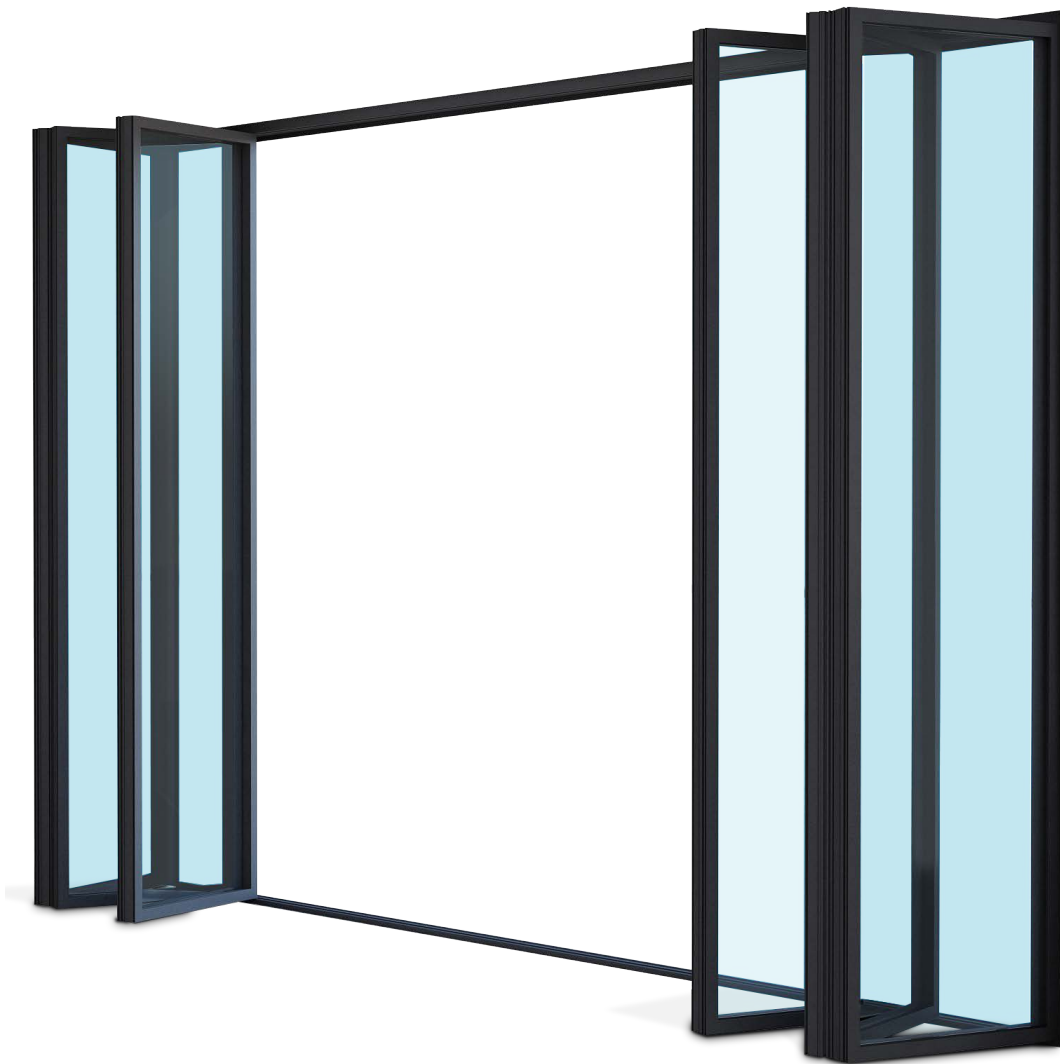




FHC G52 SERIES HEAVY-DUTY THERMALLY BROKEN
BOTTOM ROLLING BI-FOLDING GLASS DOOR SYSTEM

FHC G52 SERIES ALUMINUM STOREFRONTS

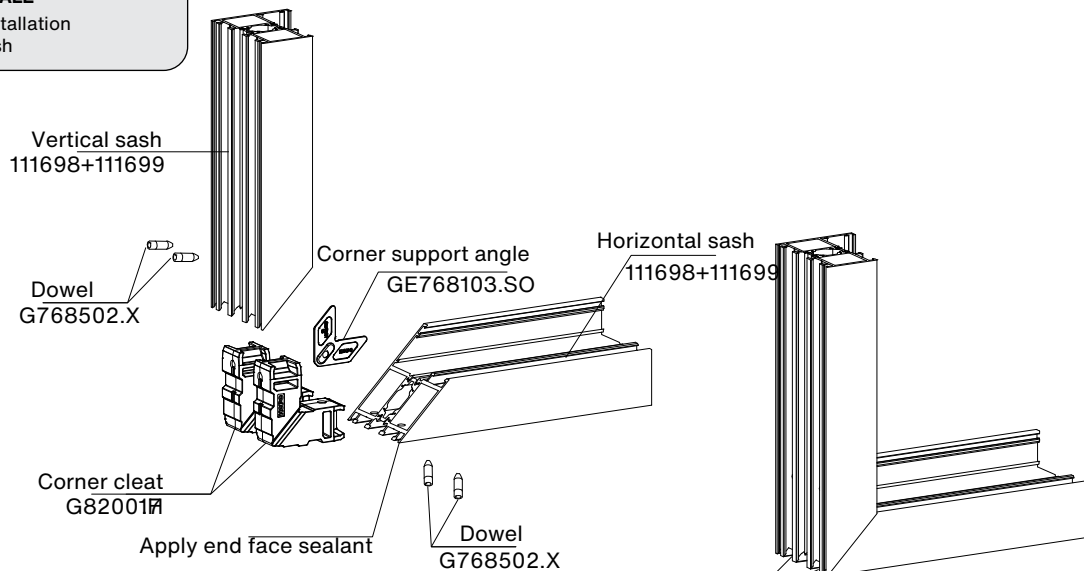
Heavy-Duty Thermally Broken Bottom Rolling
Bi-Folding Glass Door Systems



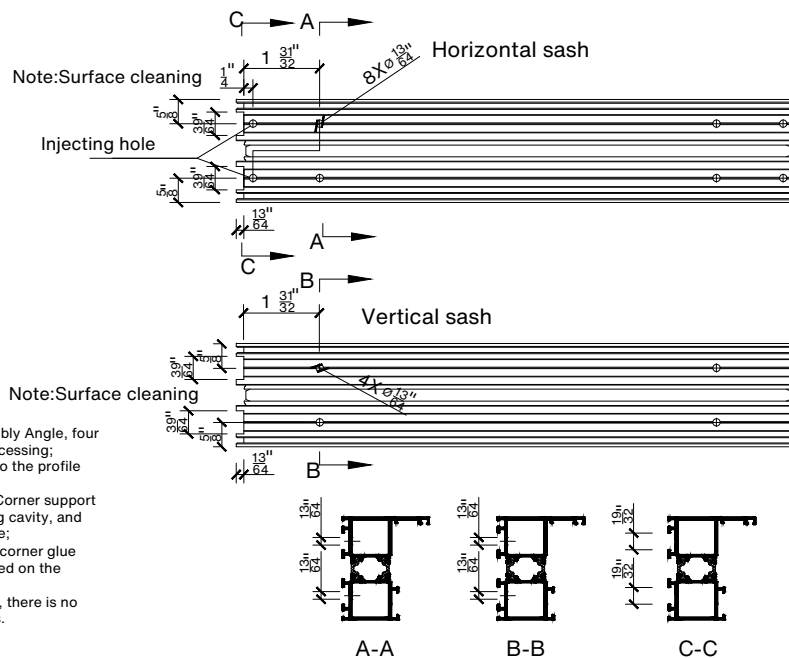
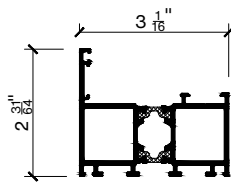
G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

NOTE: Process And Installation
Drawing For Sash



Note: The injection hole is processed in the horizontal sash only



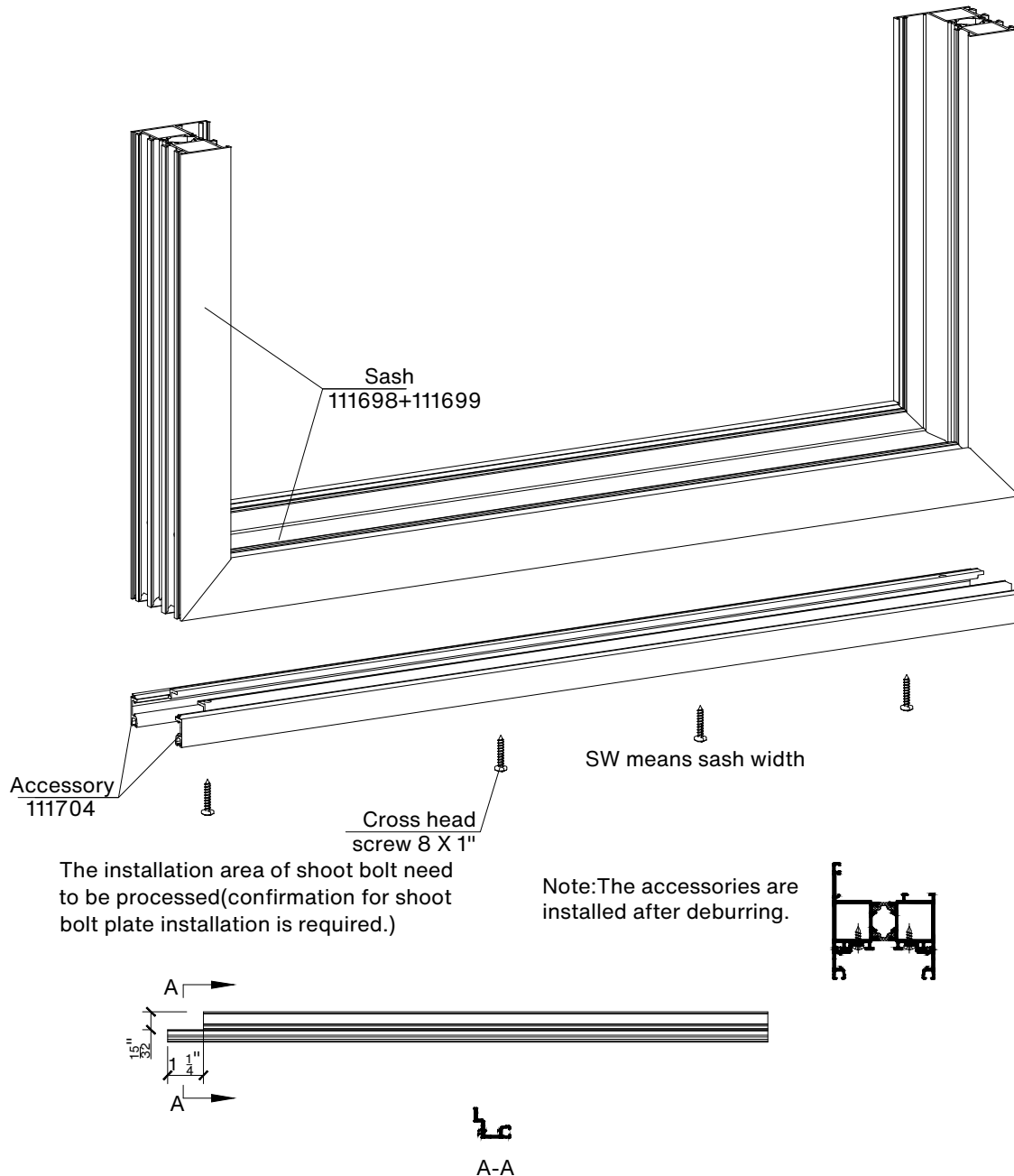
DRAWINGS NOT TO SCALE
NOTE: Process And Installation
 Drawing For Frame



G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

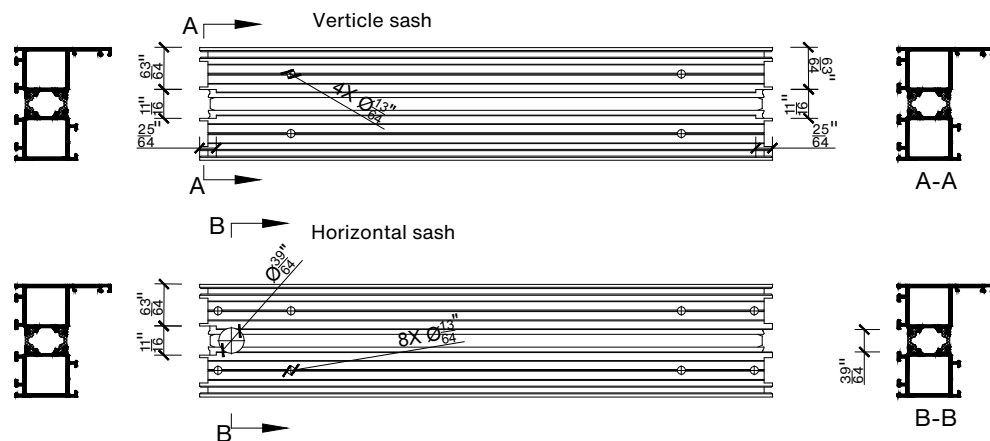
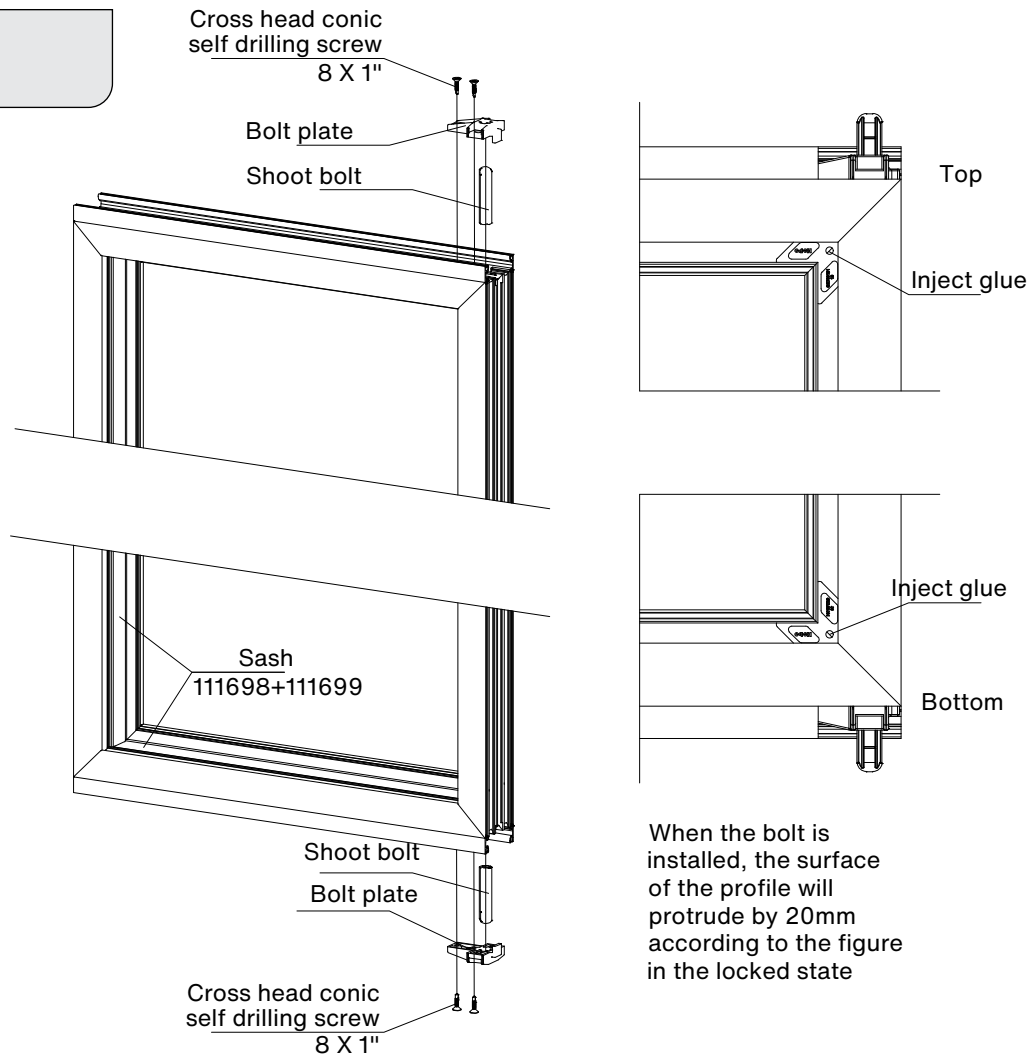
NOTE: Process And Installation
Drawing For Sash Accessory



G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

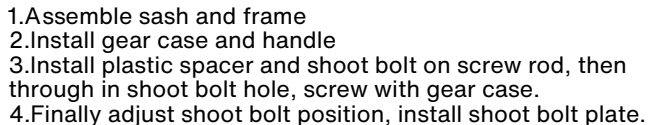
NOTE: Shoot Bolt Drawing



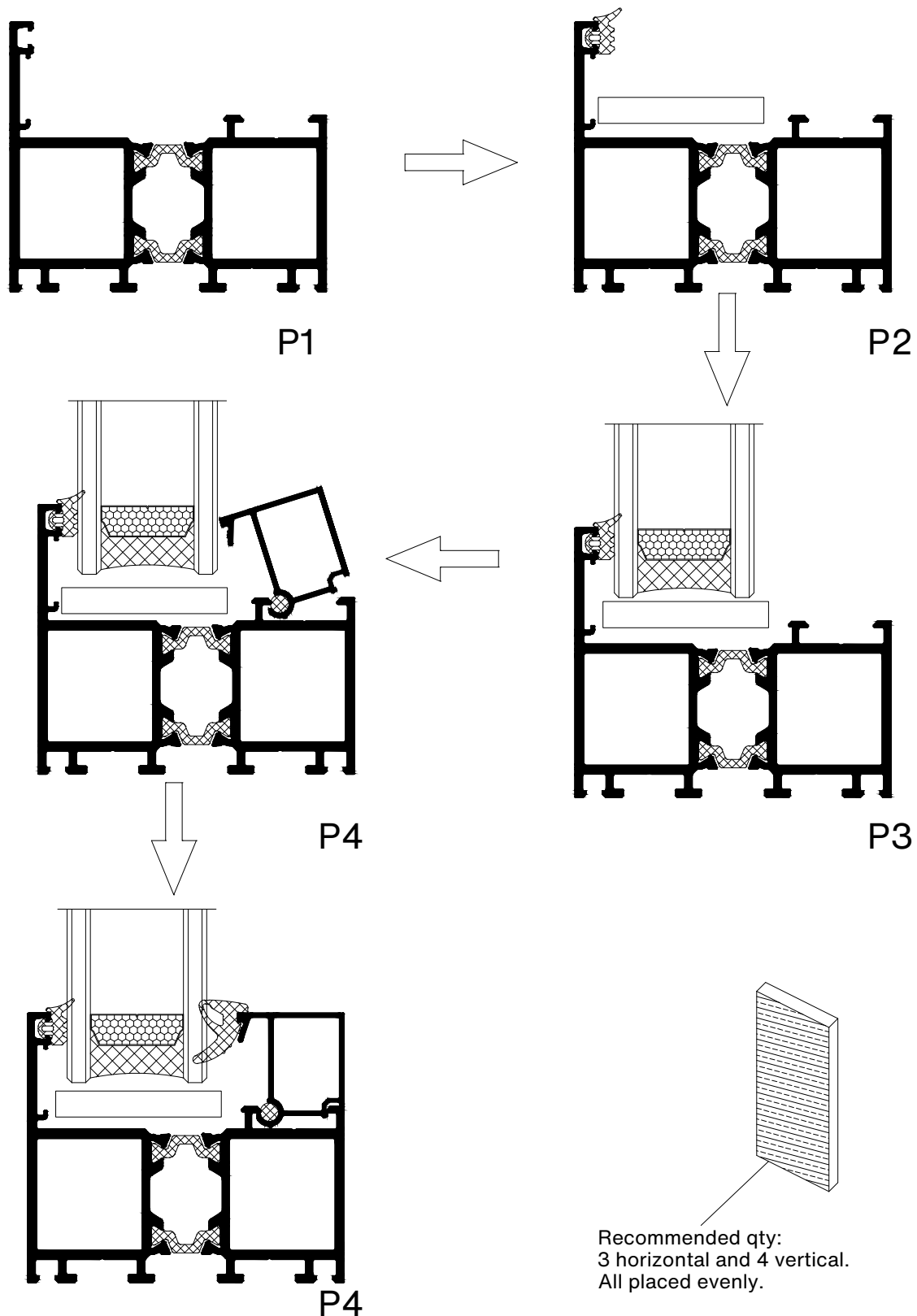
Pay attention to the difference of directions between the upper and lower machining bolt hole position.

NOTE: Shoot Bolt Drawing

1. Measure from the top of the sash to the edge of lock box slot.
2. Measure from the bottom of the sash to the edge of lock box slot.



G52 Bi Folding Door (Thermal-Break) System



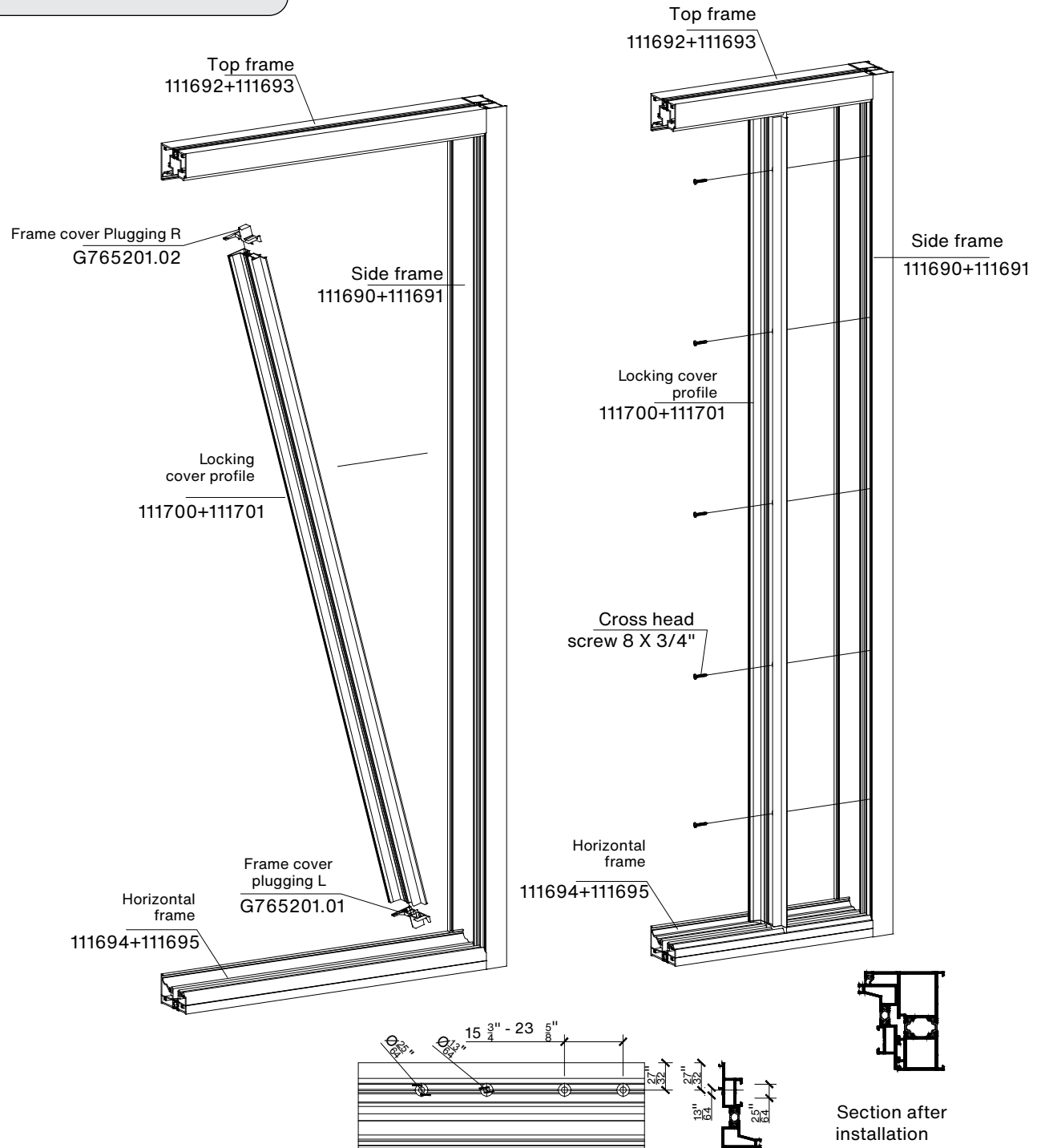
DRAWINGS NOT TO SCALE
NOTE: Multi-Point Lock Plugging R



G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

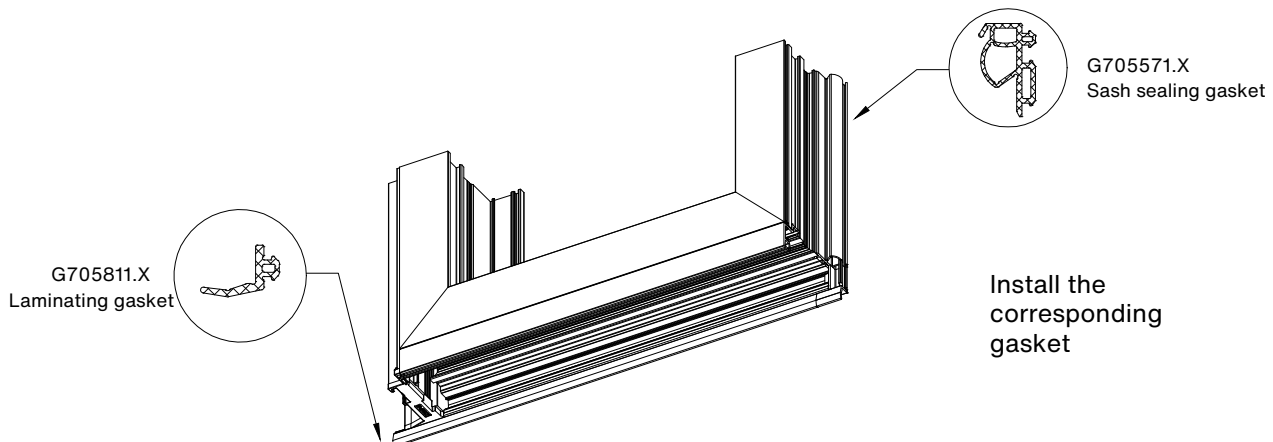
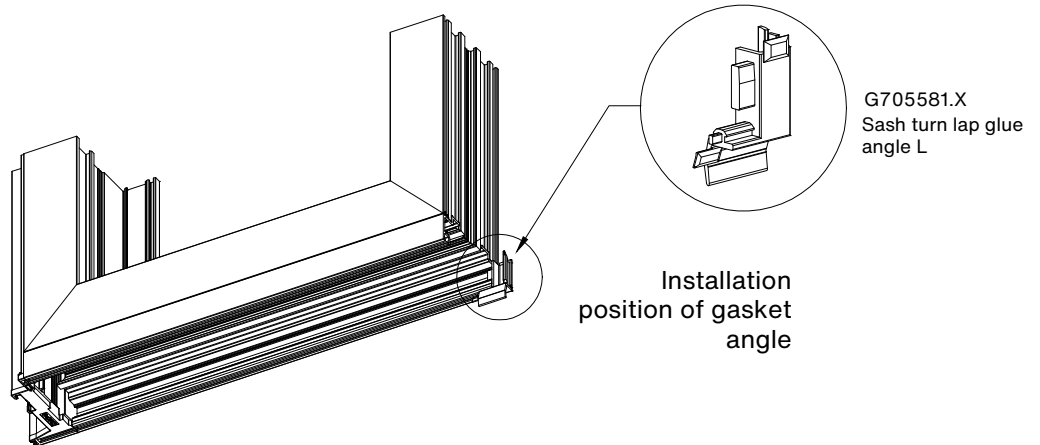
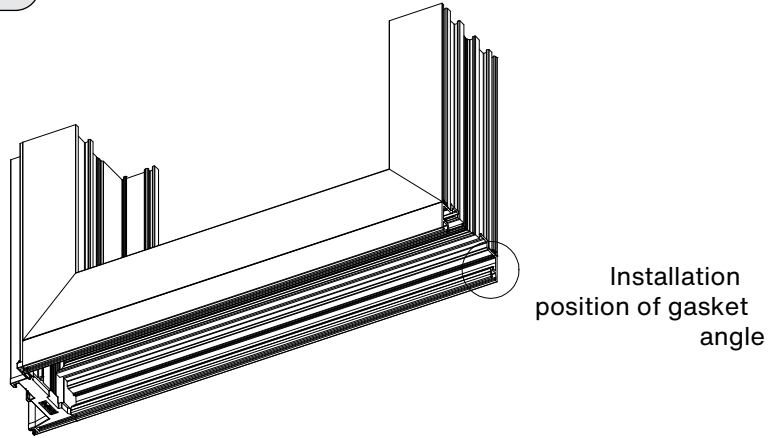
NOTE: Frame Cover Drawing



G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

NOTE: Gasket Installation Drawing



G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

NOTE: Gasket Installation Drawing

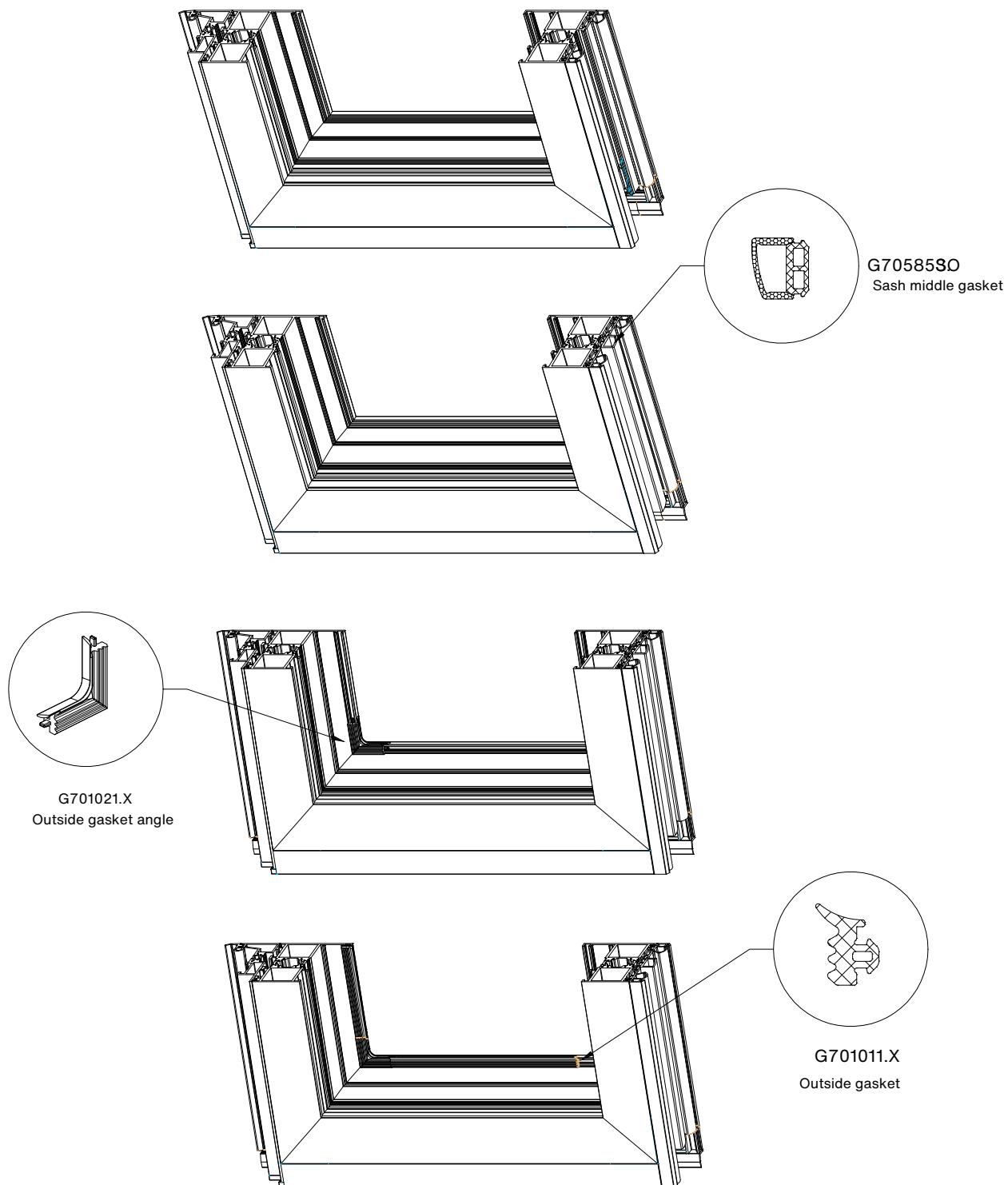
G705811.X
Laminating gasket

G705533.X
Closure sealing tape

Install the bottom gasket first, its length should be $\frac{11}{32}$ " longer than the plug, and then subtract the length of the mounting groove.

Then install the side gasket and glue the bottom gasket

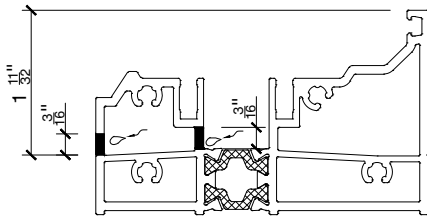
G52 Bi Folding Door (Thermal-Break) System



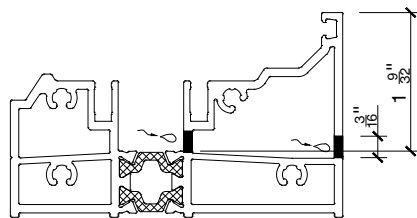
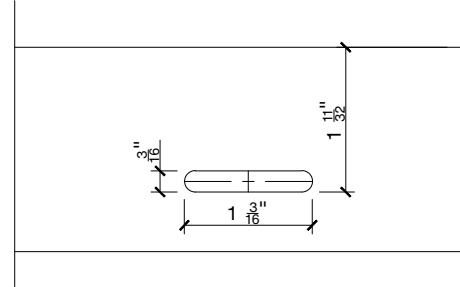
G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

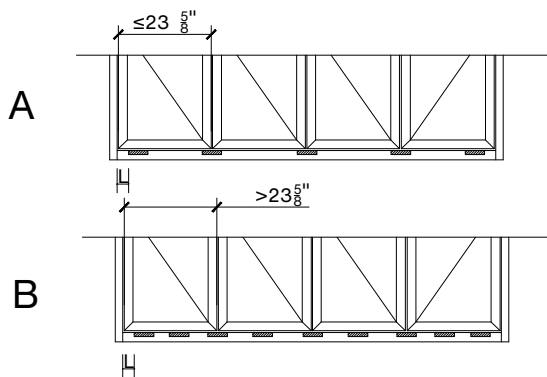
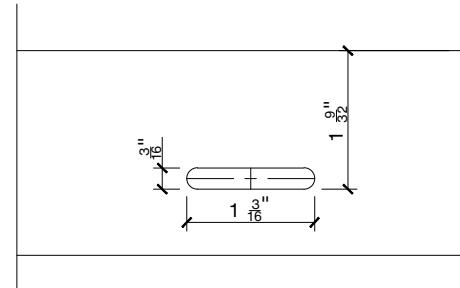
NOTE: Horizontal Frame



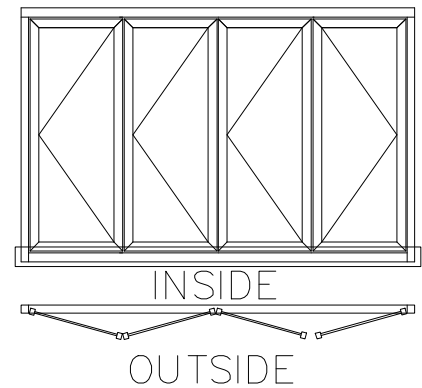
Out Swing



In Swing



Drainage channel quantity
and size range
L=2"



The drain holes are
all open on the
outdoor side

Technical requirements:

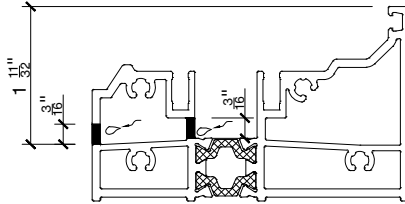
When the sash width is less than or equal to 600mm (23⁵/₈"), the drainage channel uses method A

When the sash width is more than 600mm (23⁵/₈"), the drainage channel uses method B

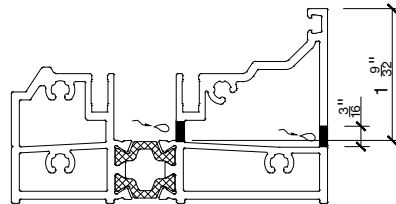
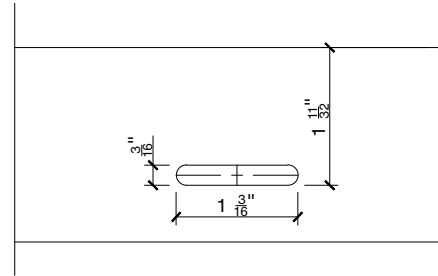
G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

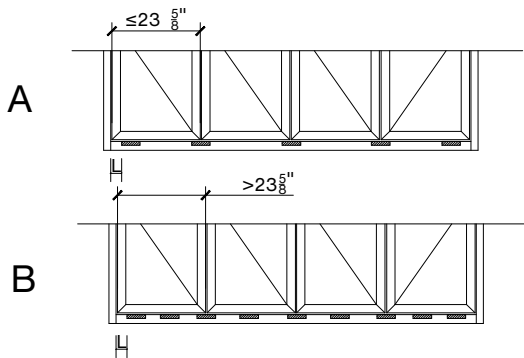
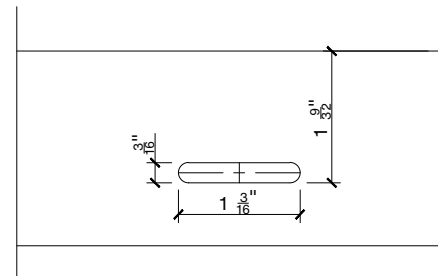
NOTE: Horizontal Frame



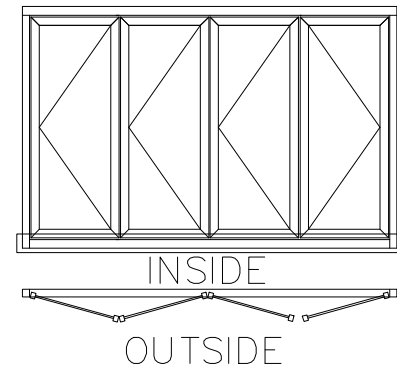
Out Swing



In Swing



Drainage channel quantity
and size range
L=2"



The drain holes are
all open on the
outdoor side

Technical requirements:

When the sash width is less than or equal to 600mm (23 5/8"), the drainage channel uses method A

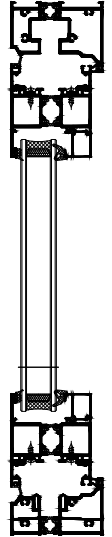
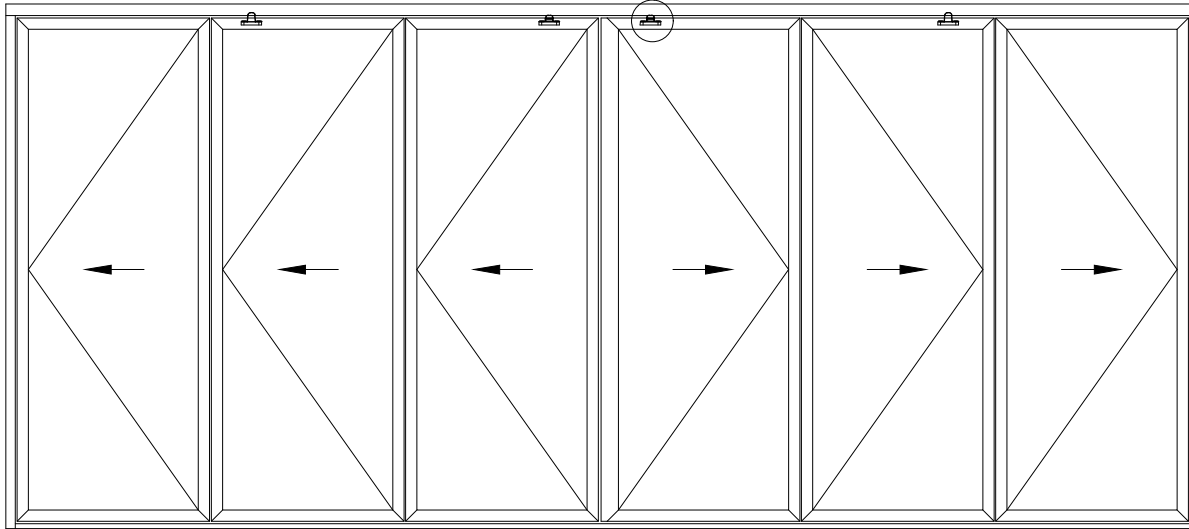
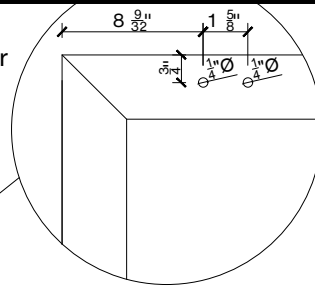
When the sash width is more than 600mm (23 5/8"), the drainage channel uses method B

G52 Bi Folding Door (Thermal-Break) System

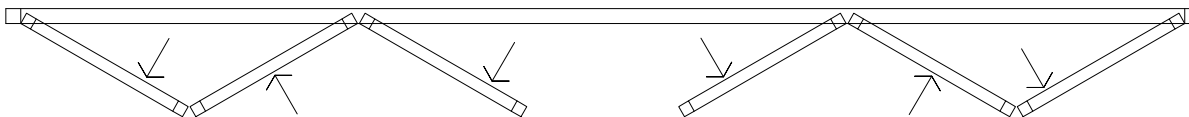
DRAWINGS NOT TO SCALE

NOTE: Hardware And Accessory
Assembly Diagram 3+3S

Door catcher
(TBL65.06)
installation
on site.

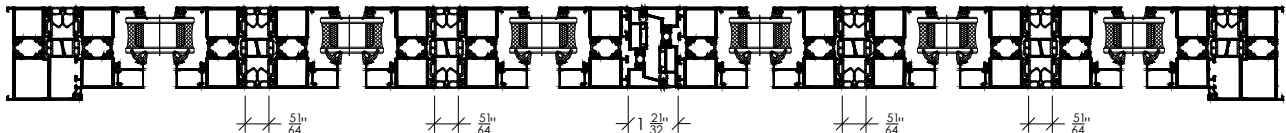


INSIDE



OUTSIDE

Vertical Gasket diagram 3+3S

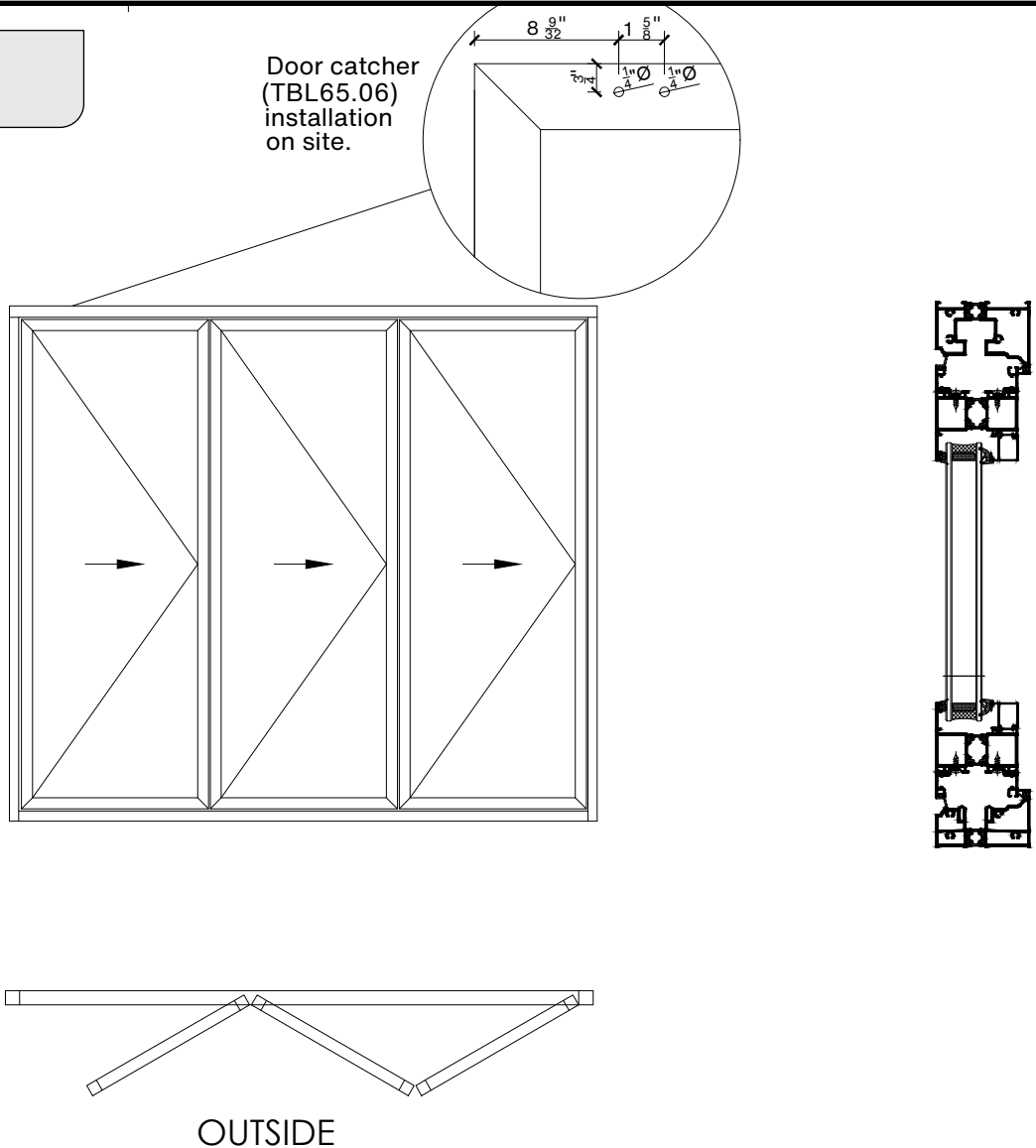


G52 Bi Folding Door (Thermal-Break) System

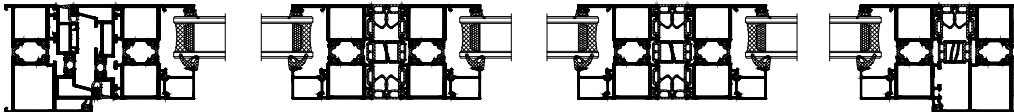
DRAWINGS NOT TO SCALE

NOTE: Hardware And Accessory
Assembly Diagram 3S

Door catcher
(TBL65.06)
installation
on site.



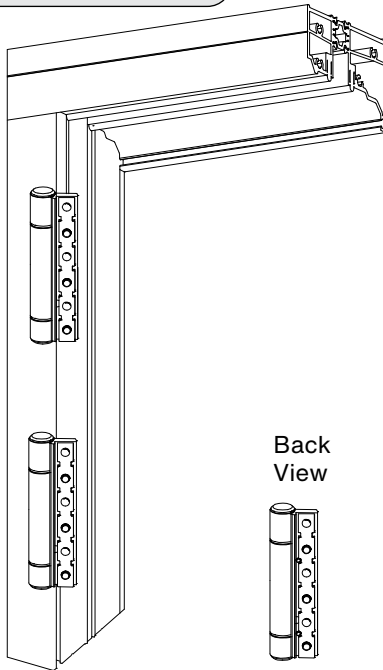
Vertical Gasket diagram 3S



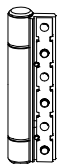
G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

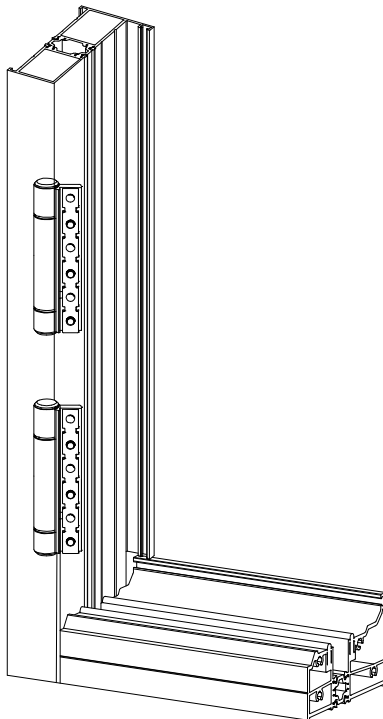
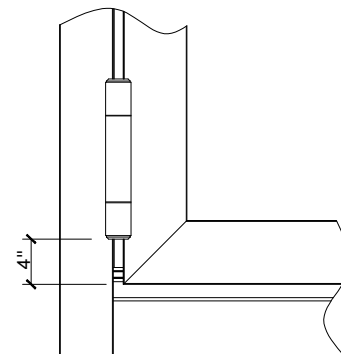
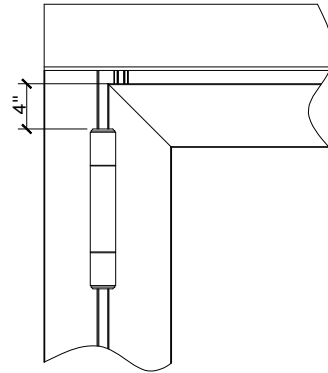
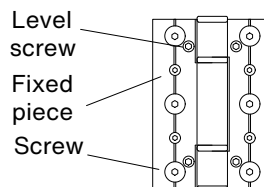
NOTE: Hardware And Accessory
Assembly



Back
View



Front
View



Hinge installation steps:

1. Remove the fixing piece and install it on the frame and sash respectively.
2. Tighten the screws to fix the hinge and the fixing piece.
3. Tighten the machine screws with 2.5mm ($\frac{3}{32}$ ") hex wrench to fix the hinges on the frame and sash.
4. Tighten the 4mm set screw to adjust the sash vertical level (just in case of need it)

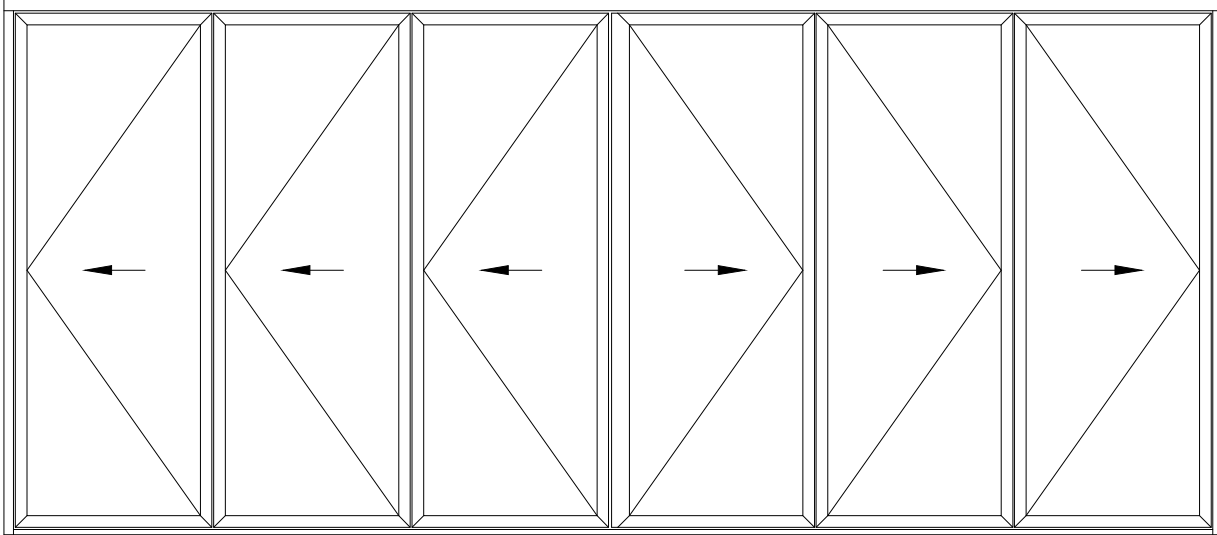
Technical description:

1. First hinge is 100mm (4") from the top panel.
2. Second hinge is 300mm ($11\frac{13}{16}$ ") from the first hinge.
3. Third hinge is 100mm (4") from the bottom panel.
4. Quarter hinge is 300mm ($11\frac{13}{16}$ ") from the third hinge.

G52 Bi Folding Door (Thermal-Break) System

DRAWINGS NOT TO SCALE

NOTE: Deduction Table



INTERIOR & EXTERIOR DOOR

MEASSURMENTS CALCULATION			
ITEM	DESCRIPTION	QTY	CALCULATION
111690+111691	JAMB	2	H
111692+111693	HEAVY FRAME	1	W-74
111694+111695	RAIL	1	W-74
111698+111699	HORIZONTAL SASH	PANELS QTY x 2	$\frac{W-(\text{REFERENCE VALUE})}{\text{PANELS QTY}}$
111698+111699	VERTICAL SASH	PANELS QTY x 2	H-135
111700+111701	FRAME COVER	1	H-(FRAME COVER REFERENCE VALUES)
111702+111703	SASH COVER	1	H-104
11704	EDGE SEALING	PANELS QTY x 4	SASH WIDTH
111705	HORIZONTAL GLAZING BEAD	PANELS QTY x 2	$\frac{W-(236)}{\text{PANELS QTY}} - 76$
111705	VERTICAL GLAZING BEAD	PANELS QTY x 2	H-251
GLASS	<div style="display: flex; align-items: center;"> <div style="border-bottom: 1px solid black; width: 100px; margin-right: 5px;"></div> <div style="display: flex; flex-direction: column; align-items: center;"> <div>W</div> <div>H</div> </div> </div>	PANEL QTY	Horizontal Sash-86 Verical Sash- 86
W= WIDTH H= HEIGHT			

SASH REFERENCE VALUES

DOOR PANELS QTY	REFERENCE
3	176
4	196
5	216
6	236
7	256
8	276
9	296
10	316

MEASSURMENTS IN MM

FRAME COVER REFERENCE VALUES

IF YOUR DOOR CLOSSES ON JAMB,
USE THIS VALUE: H-86

IF YOUR DOOR CLOSSES BETWEEN
PANELS, USE THIS VALUE: H-104