

Scann me for Digital Copy



Dealer abel Here

briouusa.com

 **BASIKWALL**

Purchase through BasikWall Dealers



Brio® where ideas unfold

# Brio® 612 Retractable Pleated Insect Screen

For openings up to 32'0" wide by 10'6" high

## Brio® where ideas unfold

Watch your adventurous architectural ideas unfold into exciting reality with the Brio range of sliding and folding door hardware.

Brio is passionate about shaping the spaces in which people live, work and play. With subsidiaries in the UK and USA – Brio is recognized by architects worldwide as a leading design and manufacturing company.

Brio's R&D department brings a strong design element to the business, developing and testing

ground breaking concepts that continue to be at the forefront of the industry.

So it's no surprise our name Brio translates to Energy, Spirit and Vitality – the core values that drive us to always discover new solutions for our customers.

We are committed to the continuous improvement of quality. That is why Brio, located in Sydney, is certified to Quality Management System AS/NZS ISO 9001:2008.

Brio, part of the Allegion family of brands







## Brio 612 Retractable Pleated Insect Screen

The Brio 612 Retractable Pleated Insect Screen offers a screening solution to any window or door application due to its innovative design. Developed for flexibility and tested for durability, the Brio 612 Screen is a popular product worldwide.

With the capability to span 16', the Brio 612 Screen is one of the largest single action screen products of its type in the world. Meeting screens can cover an expansive opening of 32' wide and 10'6" high.

## Dimensions

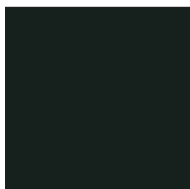
Single Screen	Width	Height
Minimum	36"	30"
Maximum	16'	10'6"
Double Screen	Width	Height
Minimum	72"	30"
Maximum	32'	10'6"



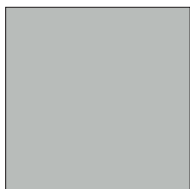


## Colors

Brio understands the importance of continuity for aesthetic purposes and so offers the Brio 612 Screen in Black, Silver and White with custom colors available.



Black



Silver



White

## Quality

The Brio 612 Screen is assembled in America with the finest quality materials to ensure excellence is maintained. Our purpose built robotic equipment provides accuracy and efficiency allowing the Brio team to act responsively for delivery of your screens.

The patented Brio 612 Screen has undergone rigorous testing and exceeded 150,000 cycles. The Brio 612 Screen is covered with a 5 year warranty which does not extend to damage caused to the mesh by pets, children or the occasional adult.



# Performance

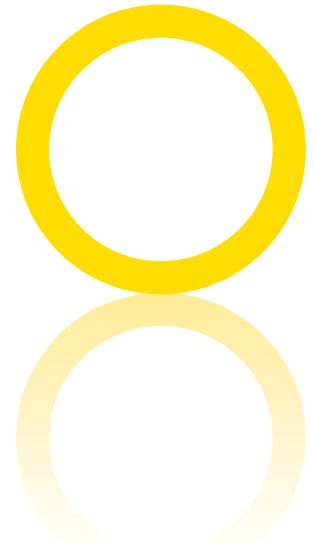
High strength, braided tensioning cords run horizontally to stabilize the screen and control vertical orientation of the handle bar. These tensioning cords run over multiple precision bearings to ensure the high quality, European polyester mesh slides smoothly with a low operating force. The use of precision bearings significantly increases the screen's life.

The tensioning cords help support the mesh during moderate weather conditions. The mesh has been designed to leave the channel in windy conditions as a safety feature which helps prevent tearing. If the screen does leave the channel it can be easily placed back inside.

# Applications

The Brio 612 Screen is independent of any particular window or door system but can be easily installed on the inside frame of folding, sliding and french doors as well as many window types. This freedom allows the screen to be used in a multitude of applications. The intelligent design means the Brio 612 Screen can be fully integrated into windows and doors discreetly while in operation or retracted.

This is achieved with low profile aluminum sections and the pleated, UV stable mesh. Many systems offer a flat mesh which is prone to sagging and requires an unsightly canister to house the screen mesh. The Brio 612 Screen is tailor made to integrate seamlessly with Brio's Weatherfold exterior systems 4s (top hung), 5c (bottom folding) and Brio's Window or Servery. It can also be used with our straight sliding systems Single Run and Timberoll.





# Postless Corner

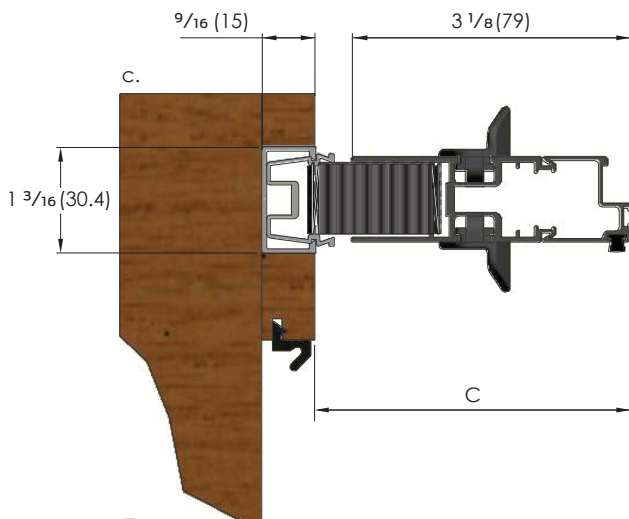
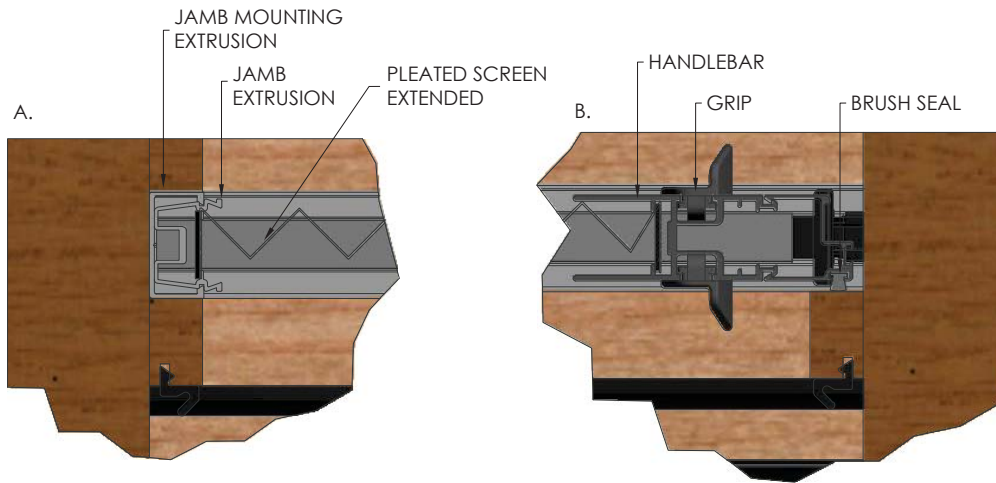
An advantage of the Brio 612 Screen is the ability to screen corner openings without the need for a corner post, providing stunning uninterrupted views.

Corner applications are possible with all of Brio's Weatherfold exterior, folding systems and our 97HS hybrid sill which utilizes wood and aluminum for self draining and easy installation.

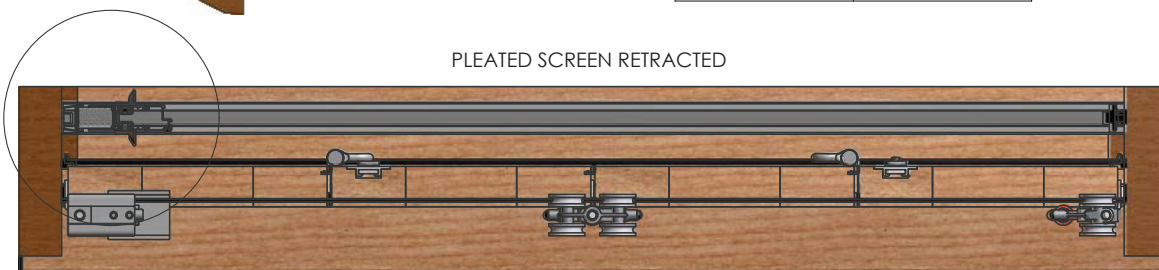


# 612 Retractable Pleated Insect Screen with Folding Panels

Plan View - Brio Weatherfold 4s exterior folding door hardware, non mortise hinges (H)



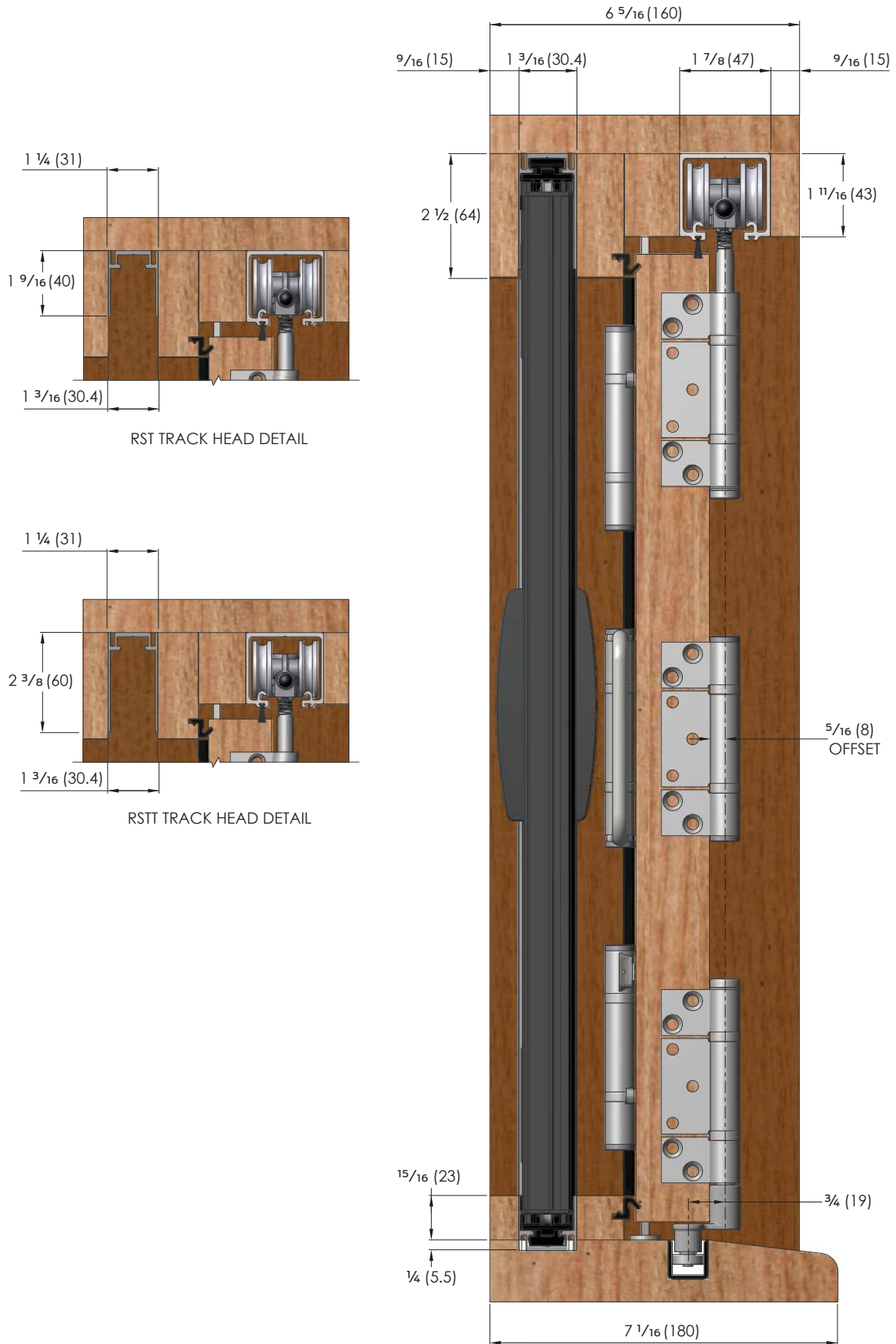
SCREEN WIDTH IN (mm)	DIMENSION C (OVERALL)
48 (1219)	$3 \frac{7}{16}$ (88)
72 (1829)	$4 \frac{1}{16}$ (103)
96 (2438)	$4 \frac{3}{4}$ (121)
120 (3048)	$5 \frac{5}{8}$ (143)
144 (3658)	$6 \frac{5}{16}$ (160)
168 (4267)	$6 \frac{3}{4}$ (171)
192 (4877)	$8 \frac{5}{16}$ (211)





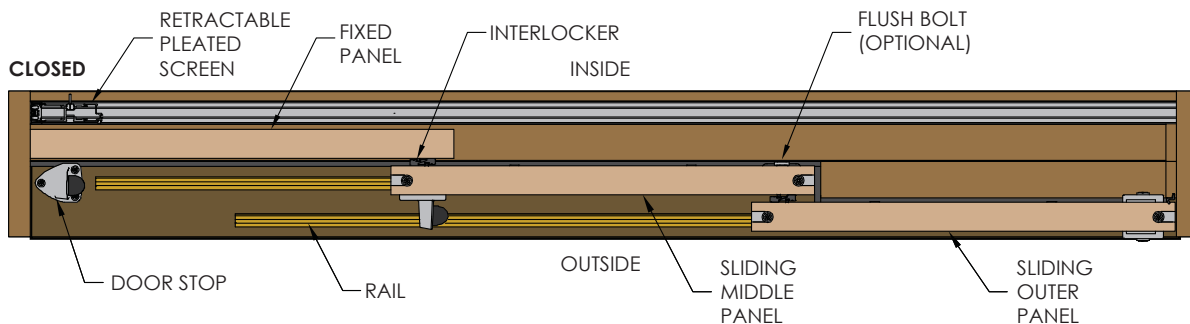
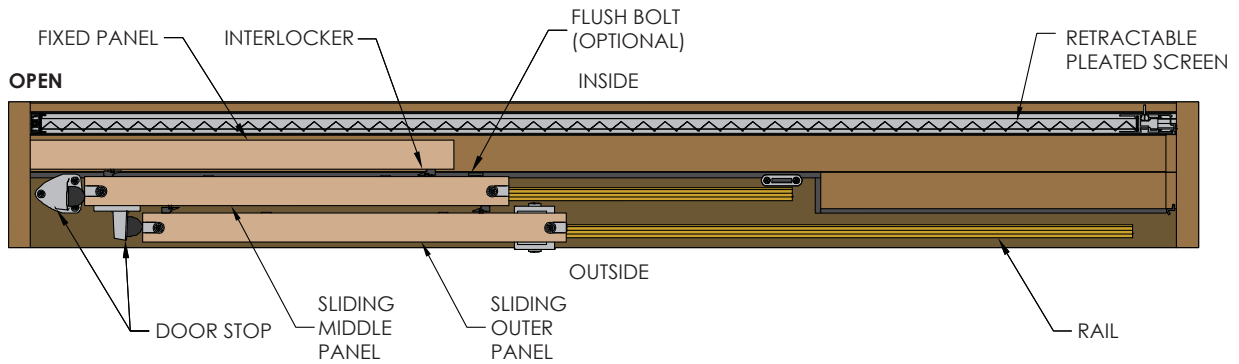
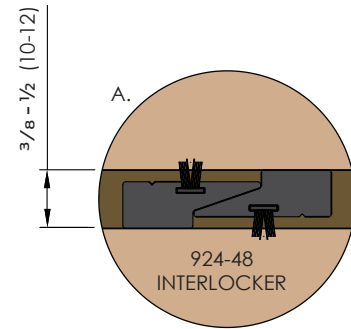
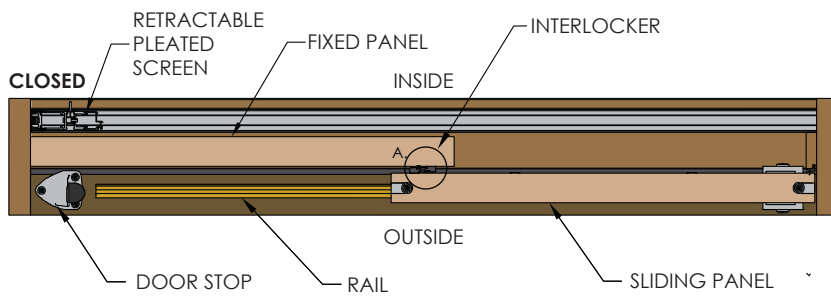
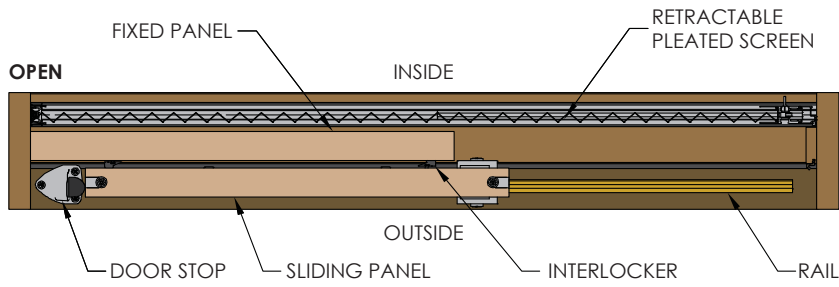
# 612 Retractable Pleated Insect Screen with Folding Panels

End View - Brio Weatherfold 4s exterior folding door hardware, non mortise hinges (H)



# 612 Retractable Pleated Insect Screen with Sliding Panels

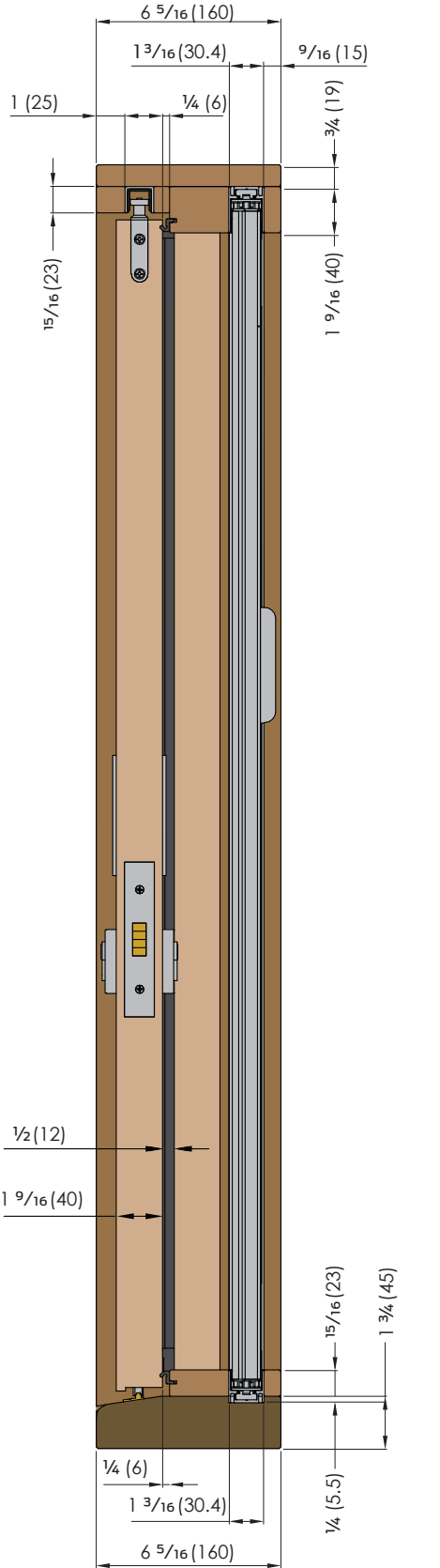
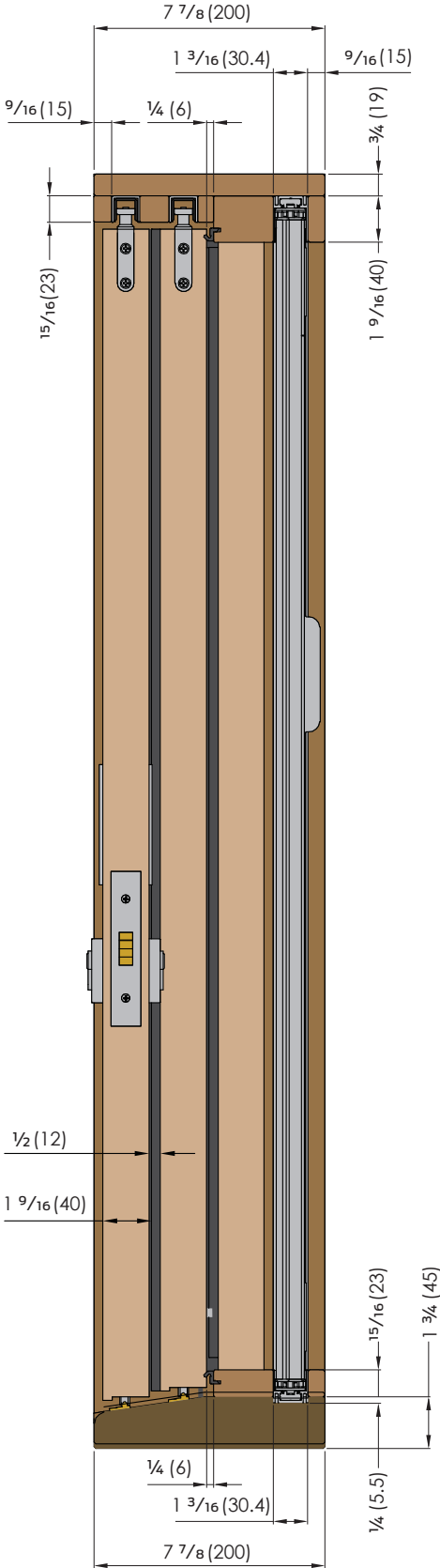
Plan View – Brio Timberoll 200 exterior bottom roller sliding door hardware





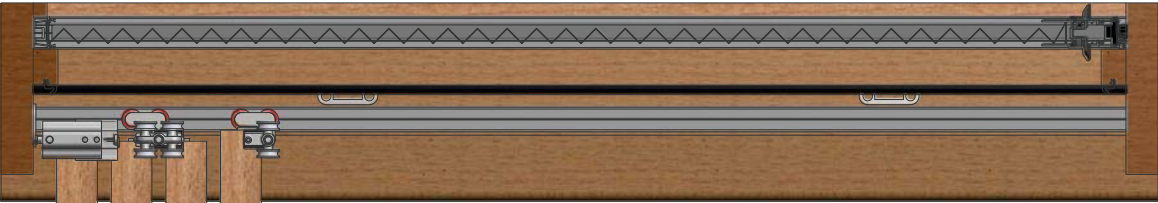
# 612 Retractable Pleated Insect Screen with Sliding Panels

End View – Brio Timberroll 200 exterior bottom roller sliding door hardware



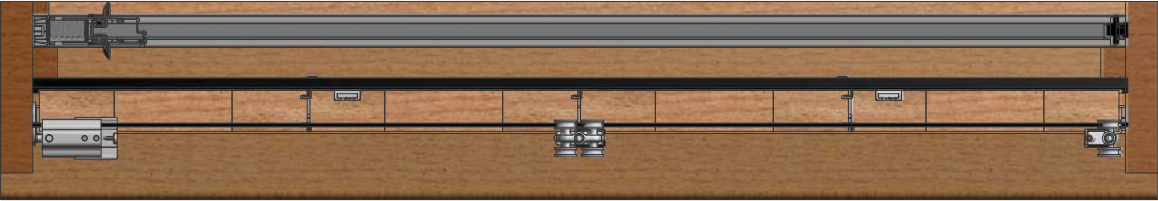
# 612 Retractable Pleated Insect Screen with Window

Plan View – Brio Weatherfold 4s Window exterior folding hardware



PLEATED SCREEN EXTENDED

WEATHERFOLD 4s NON MORTICE  
EXTERIOR FOLDING WINDOW 25 HARDWARE



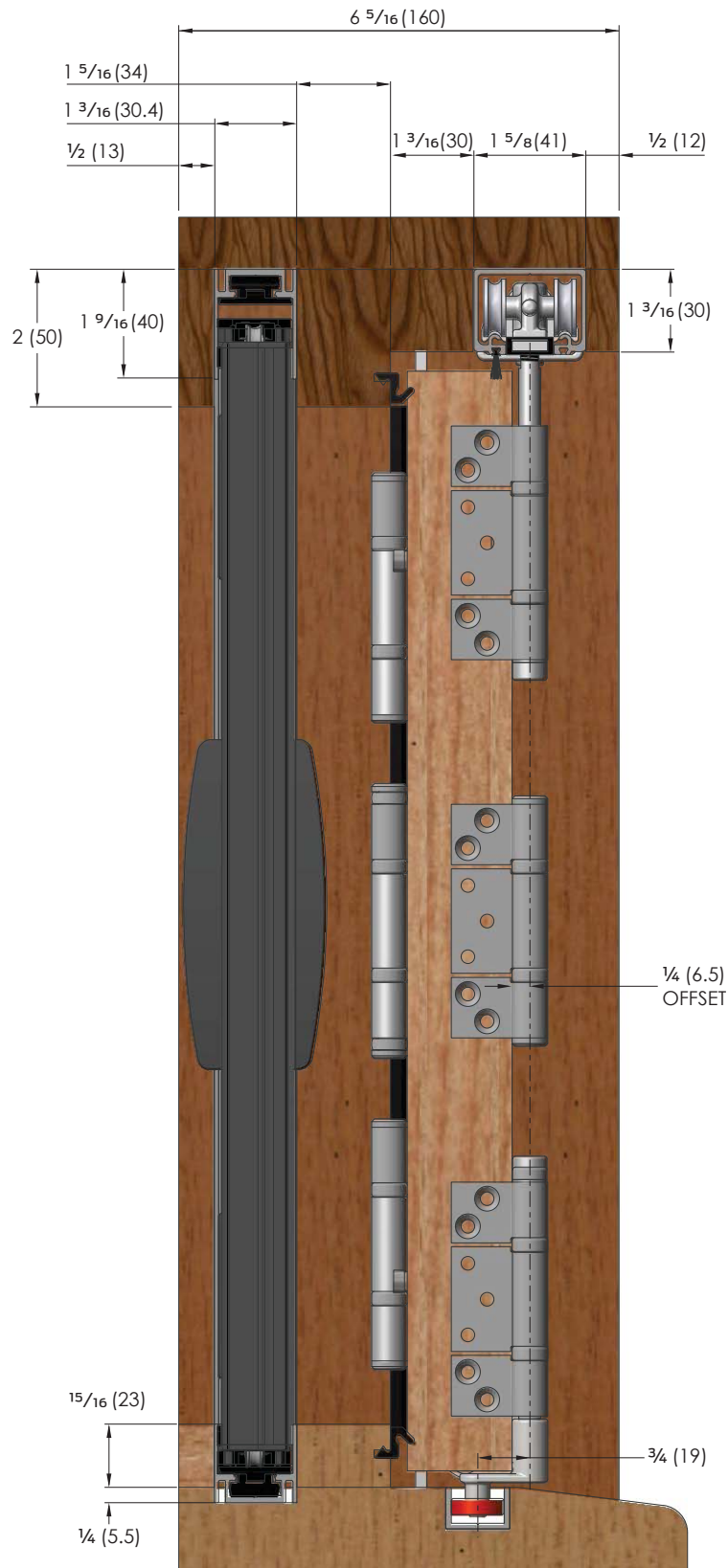
PLEATED SCREEN RETRACTED





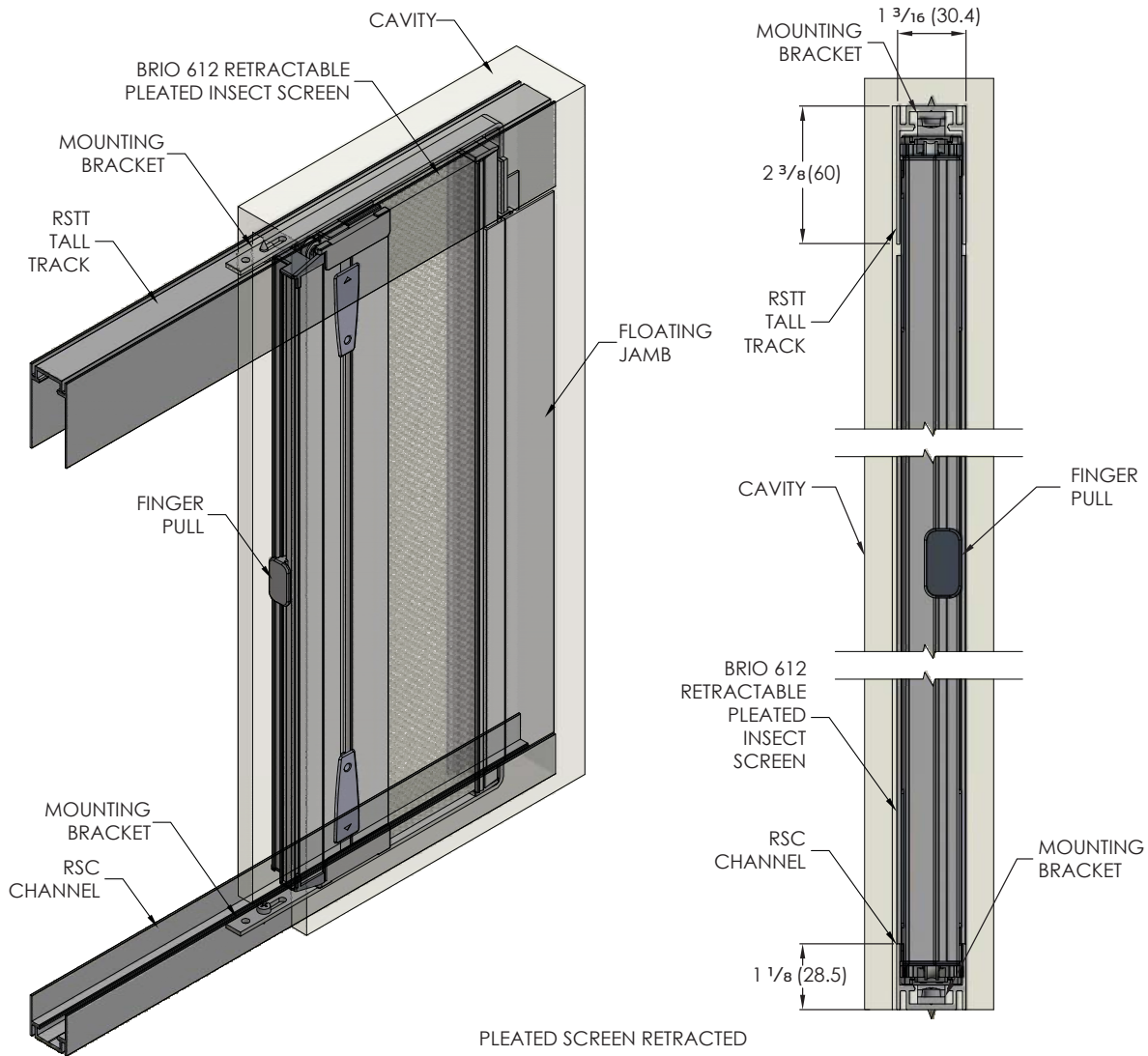
# 612 Retractable Pleated Insect Screen with Window

End View – Brio Weatherfold 4s Window exterior folding hardware

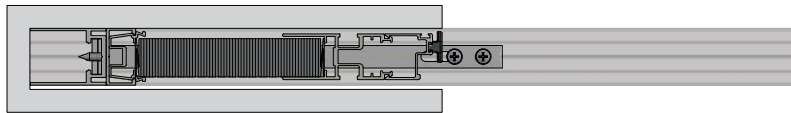


# 612 Retractable Pleated Insect Screen with Pocket

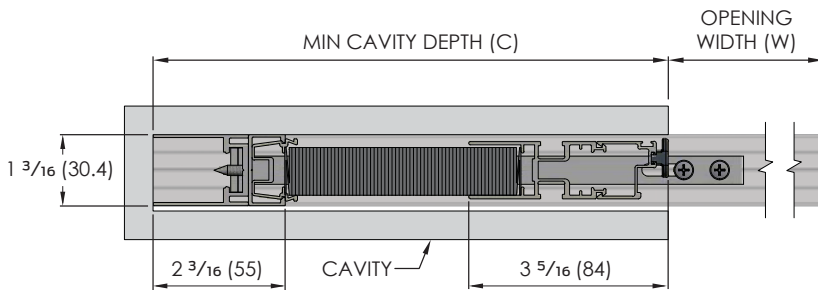
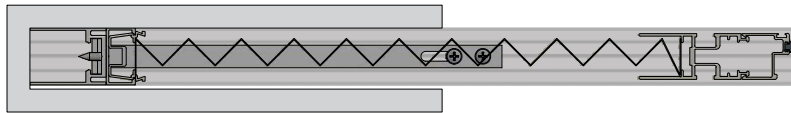
Plan and End View of Pocket application



PLEATED SCREEN RETRACTED



PLEATED SCREEN EXTENDED



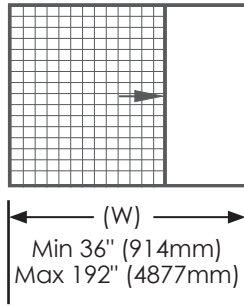
OPENING WIDTH (W)	SCREEN WIDTH	MIN CAVITY DEPTH (C)
42 3/16 (1071)	48 (1219)	5 13/16 (148)
65 9/16 (1666)	72 (1829)	6 7/16 (163)
88 7/8 (2257)	96 (2438)	7 1/8 (181)
112 (2845)	120 (3048)	8 (203)
135 5/16 (3437)	144 (3658)	8 11/16 (220)
158 5/16 (4037)	168 (4267)	9 1/16 (231)
181 5/16 (4606)	192 (4877)	10 11/16 (271)



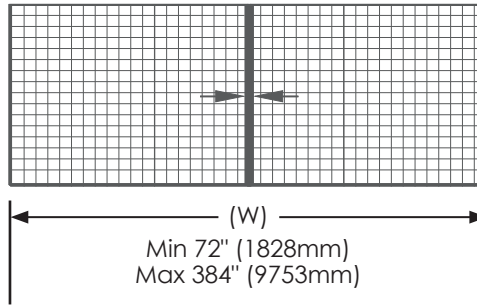
# Standard Sizes

Screen width reduces in size to the next smallest screen, e.g. a 144" wide screen can be installed in an opening that is between 120"-144" wide. Screen height can be cut down by up to 8". Aluminum sections available in powder coat Black, Silver and White.

Single Screen



Double Screen



Example Screen Code  
**RSDL72-126PBK**  
 -72" Wide  
 -126" High  
 -Powder Coat Black

## SINGLE SCREEN

		Height Range																	
		Inches	30"-38"	46"	54"	62"	70"	78"	84"	86"	91"	94"	98"	102"	110"	118"	126"		
		Feet	2'6"-3'2"	3'10"	4'6"	5'2"	5'10"	6'6"	7'0"	7'2"	7'7"	7'10"	8'2"	8'6"	9'2"	9'10"	10'6"		
Width Range	Inches	Feet	mm	762-965	1168	1372	1575	1778	1981	2134	2184	2311	2388	2489	2591	2794	2997	3200	
	36"-48"	3'-4'	914-1219	Kit 1	Kit 1	Kit 1	Kit 1	Kit 5	Kit 5	Kit 5	Kit 5	Kit 5	Kit 5	Kit 5	Kit 5	Kit 9	Kit 9	Kit 9	Kit 9
	72"	6'	1828	Kit 2	Kit 2	Kit 2	Kit 2	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 10	Kit 10	Kit 10	Kit 10
	96"	8'	2438	Kit 2	Kit 2	Kit 2	Kit 2	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 6	Kit 10	Kit 10	Kit 10	Kit 10
	120"	10'	3048		Kit 3	Kit 3	Kit 3	Kit 7	Kit 7	Kit 7	Kit 7	Kit 7	Kit 7	Kit 7	Kit 7	Kit 11	Kit 11	Kit 11	Kit 11
	144"	12'	3657			Kit 4	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 12	Kit 12	Kit 12	Kit 12
	168"	14'	4267					Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 12	Kit 12	Kit 12	Kit 12
	192"	16'	4877					Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 8	Kit 12	Kit 12	Kit 12	Kit 12

Corresponding kit number shown in table

## DOUBLE SCREEN

		Height Range																	
		Inches	30"-38"	46"	54"	62"	70"	78"	84"	86"	91"	94"	98"	102"	110"	118"	126"		
		Feet	2'6"-3'2"	3'10"	4'6"	5'2"	5'10"	6'6"	7'0"	7'2"	7'7"	7'10"	8'2"	8'6"	9'2"	9'10"	10'6"		
Width Range	Inches	Feet	mm	762-965	1168	1372	1575	1778	1981	2134	2184	2311	2388	2489	2591	2794	2997	3200	
	72"-96"	6'-8'	1828-2438	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	144"	12'	3656	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	192"	16'	4876	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	240"	20'	6096		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	288"	24'	7314			●	●	●	●	●	●	●	●	●	●	●	●	●	●
	336"	28'	8534				●	●	●	●	●	●	●	●	●	●	●	●	●
	384"	32'	9754					●	●	●	●	●	●	●	●	●	●	●	●

Combination of kits required

# Brio®

Brio – Australia

PO Box 604, Chester Hill, 2162  
C5 - C7, Regents Park Estate, 391 Park Road,  
Regents Park, NSW 2143, Australia  
Phone +61 2 8718 6718 Fax +61 2 8718 6719  
[www.brio.com.au](http://www.brio.com.au)  
email: [brío.sales@allegion.com](mailto:brío.sales@allegion.com)

Brio – UK

Unit 30 Gateway West, Kingfisher Boulevard, Newburn Riverside,  
Newcastle Upon Tyne, NE15 8NZ, United Kingdom  
Phone +44 (0) 191 2291224 Fax +44 (0) 191 2677891  
[www.briouk.com](http://www.briouk.com)  
email: [brío.sales.uk@allegion.com](mailto:brío.sales.uk@allegion.com)

Brio – USA

85 Mushroom Blvd  
Rochester, NY 14623-3201  
Toll Free +1 855 586 6251 Phone +1 585 319 5599 Fax +1 585 319 5741  
[www.brioussa.com](http://www.brioussa.com)  
email: [brío.sales.usa@allegion.com](mailto:brío.sales.usa@allegion.com)

## About Allegion

Allegion (NYSE: ALLE) is a global pioneer in the field of safety and security. We keep people and their property safe, wherever they are, bringing together simple solutions and advanced technology. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit [www.brioussa.com](http://www.brioussa.com)

