

TB - 84
THERMALLY
BROKEN
SLIDING
WINDOW
AND DOORS



BRITAL.AE



ABOUT US

1 \

International experience and talent

Brital Middle East Aluminium Systems L.L.C was initially established to design and market aluminium curtain wall systems and facade systems in the Gulf region of the Middle East. Brital is a British company which has at its disposal some of the most experienced and well qualified façade engineers and designers, several of whom hold a Masters Degree in façade Engineering. In addition the majority of our staff are members of the Society of Façade Engineering at either Member or Fellow level.

This combination of international experience and talent is behind the design and engineering of all Brital systems making them unique in that they have been designed from the beginning to be suitable for the Gulf climatic conditions and construction methods.

Over the past twenty years the company has grown its product and systems range significantly so that the product range available today from Brital encompasses all types of façade solutions ranging from doors and windows through to structurally glazed and unitised curtain wall systems. The majority of Brital systems are available in both thermally broken and standard versions. As a design company on-going system development ensures that new and innovative solutions and system enhancements are regularly added to the product range.

This is often done in consultation with Brital approved fabricators to ensure that our designs are relevant to the end user and the markets that they are used in. **Brital systems are only available from a network of approved fabricators thus ensuring both on-going quality assurance and local availability.** The aluminium profiles for the systems are extruded in the Gulf region by licensed extruders who meet Brital's exacting standards for the quality, accuracy and consistency of the profiles and sections supplied. Accessories and gaskets are specified in the system designs and again are available locally within the region.

All major Brital systems are designed to meet the CWCT standards and have been independently tested to ensure that they meet the specified performance thus ensuring that they meet or exceed the various standards commonly used in the region such as BS:EN, ASTM, AAMA, etc. Whilst Brital's design offices are located in the United Kingdom we also operate a Dubai branch office where locally resident engineers are available to provide on-going technical and practical support to projects and customers throughout the region, including shop drawing reviews, design proposals and general façade engineering assistance.

The image features a complex architectural wireframe of a skyscraper, rendered in a dark blue color against a lighter blue background. The wireframe shows the intricate structural details of the building, including floors, columns, and beams. In the upper right quadrant, there are technical drawings, including a circular diagram with a central crosshair and several curved lines. These drawings include angular measurements: $30^\circ \pm 0.5^\circ *$ and 15° . Other numerical annotations include '12', '13', and '19.55'. The overall aesthetic is technical and modern, suggesting a focus on engineering and construction.

BENEFITS

Design team led by Technical Director and Chief Designer who both hold a Masters Degree in Facade Engineering and over 35 years cw design experience on projects around the world.



Systems designed specifically for the regional climates and conditions from a clean sheet of paper, not an adapted European market system.



UK design office with engineers also based at a regional office in Dubai.



All project shop drawings are reviewed for each and every Brital project by Brital designers and engineers, drawings can be stamped if required.



All senior Brital personnel are Fellows of the Society of Facade Engineering.



Brital is a design and engineering company and can respond quickly and efficiently to specific project design requirements.



All systems are integrated so doors, windows, sun shade system, etc., can be incorporated into the overall curtain wall.



20 years track record of hundreds of successful projects completed throughout the Middle East, Africa, Asia, Australia and beyond.



Locally extruded in the region so available in a timely and economical manner.



Locally extruded in the region so available in a timely and economical manner.



Only fabricated and installed by approved fabricators in each territory, so fabricators are familiar with the systems and thus minimise errors.



Systems designed to meet CWCT performance standards so exceed ASTM, AAMA, BS:EN, etc., specifications.



All systems tested at independent test laboratories in either UK or UAE, test reports available as required.



Systems designed to be simple to fabricate and install requiring no special machinery or experience, thus eradicating errors.



The system offers thermally broken sections to suit the specific project requirements.

Introduction

The basic suite has long leg outer frame sections to allow the sliding and fixed light windows to be fitted at the back of the reveal.

Various other profiles can be designed and incorporated allowing architects to achieve flexible designs.

The system is designed to accommodate 24mm double glazed units, using non beaded or beaded sash and fixed light windows accommodate 24mm or 26mm double glazed units, with standard clip in glazing bead.

As with all Brital systems, the horizontal sliding / fixed light window system is manufactured to exacting standards, enabling economy to be combined with strength to give many years of aesthetic, trouble-free operation.

Scope

This specification defines materials, construction, finishes and size limits for the sliding / fixed light windows.

Materials

Aluminium profiles are extruded from aluminium alloy 6063 T6 complying with the recommendations of BS EN 12020 -2 : 2008 / BS EN 755 -9 : 2008

Finishes

The range of sections can be provided in either of the following range of finishes:

1. Anodised to BS1615 or BS3987 (Natural or Coloured)
2. Powder organic coated to BS6496

Subject to Brital Approval other finishes may also be used.

The external finish may differ from the internal one.

Construction

Frame members are mitre cut at 45°, corners are reinforced with cast aluminium or plastic mechanical cleats and corner braces. A secure joint is formed by screwing the cleat up tightly using an Allen key.

Interlock bars are cut, shaped and fixed securely to the sash by means of stainless steel screws.

All frame joints are sealed during construction against entry of water. Extruded gaskets and woolpile seals are provided to resist the ingress of water.

Glazing

The sash frame is assembled around the glass unit (non beaded) or glazed into the assembled sash or fixed frame (beaded) which are set against self adhesive EPDM gaskets externally and are fitted onto the frame / sash upstands.

Glazing beads are clipped in where required and the glazing is held secure by means of wedge gaskets internally. For glass support BR setting blocks and flat packers should be used.

Installation

Detailed installation instructions are provided which should be strictly followed.

Sliding Window Fittings

The sections are designed to suit clamp fixed horizontal sliding window fittings including rollers and buffers with a variety of handle options. Brital are able to advise on a full range of fittings and accessories.

Rollers and corner cleats are available for the fly screens.

Brital recommend the use of restrictors to prevent the sliding window opening more than 100mm when fitted above ground floor level.

Size Limits for Sash sections

Horizontal Sliding windows Maximum & Minimum Moving Sash Sizes			
Sash Section	Max Height	Max Width	Min Width
BR-SL03-24-03 Moving Sash	2100mm	1200mm	Height / 3
BR-SL03-24-05 Beaded Moving Sash	2100mm	1200mm	Height / 3
BR-SL03-24-17 Tall Moving Sash	2400mm	1500mm	Height / 3

Maximum sash weight 100 Kg with BR-6667.10 Rollers

Maximum sash weight 180 Kg with BR-6675.15 Rollers

Maximum sash weight 220 Kg with BR-6675.34 Rollers

Performance

The Brital Sliding window system has been designed to give the following levels of performance.

Air permeability - BS 6375 : Pt. 1 : 1983 test pressure 200 Pa

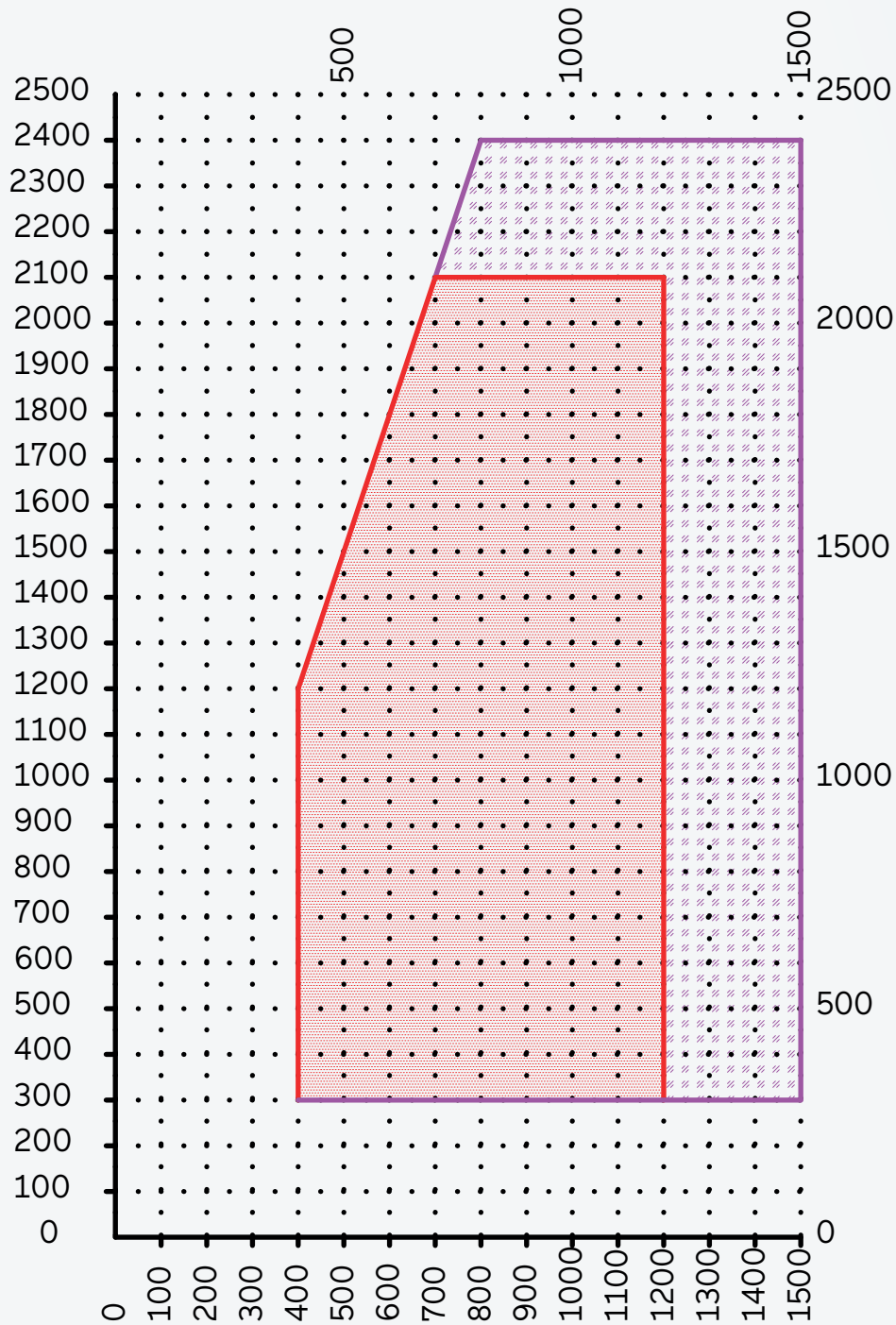
Water tightness - BS 6375 : Pt. 1 : 1983 test pressure 200 Pa

Wind resistance - BS 6375 : Pt. 1 : 1983 test pressure 1500 Pa

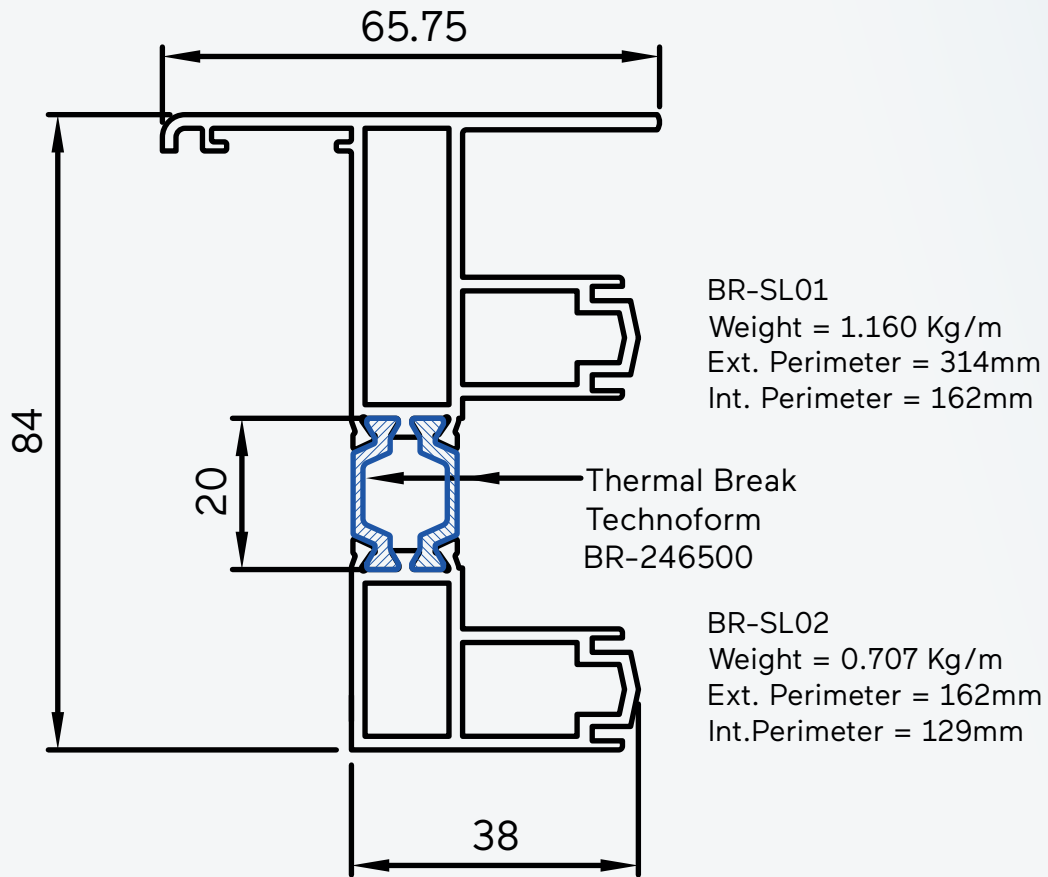
These levels of performance should be sufficient for any location within the Middle East, However should higher levels of performance be required for any reason, Brital's advice should be sought.

Development

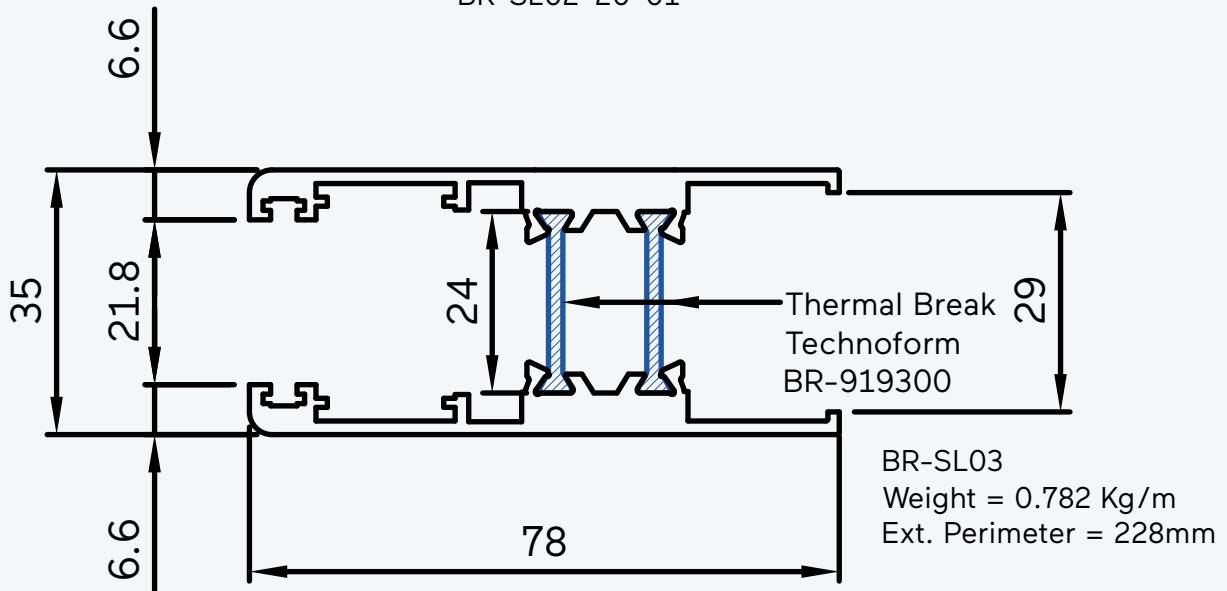
Our policy is to continually research the market for new and improved products. We must therefore retain the right to amend specifications without prior notice. It is recognised by Brital that in some instances special sections may be required for particular projects. When this occurs it may be possible to produce bespoke sections subject to there being sufficient quantity and adequate time.



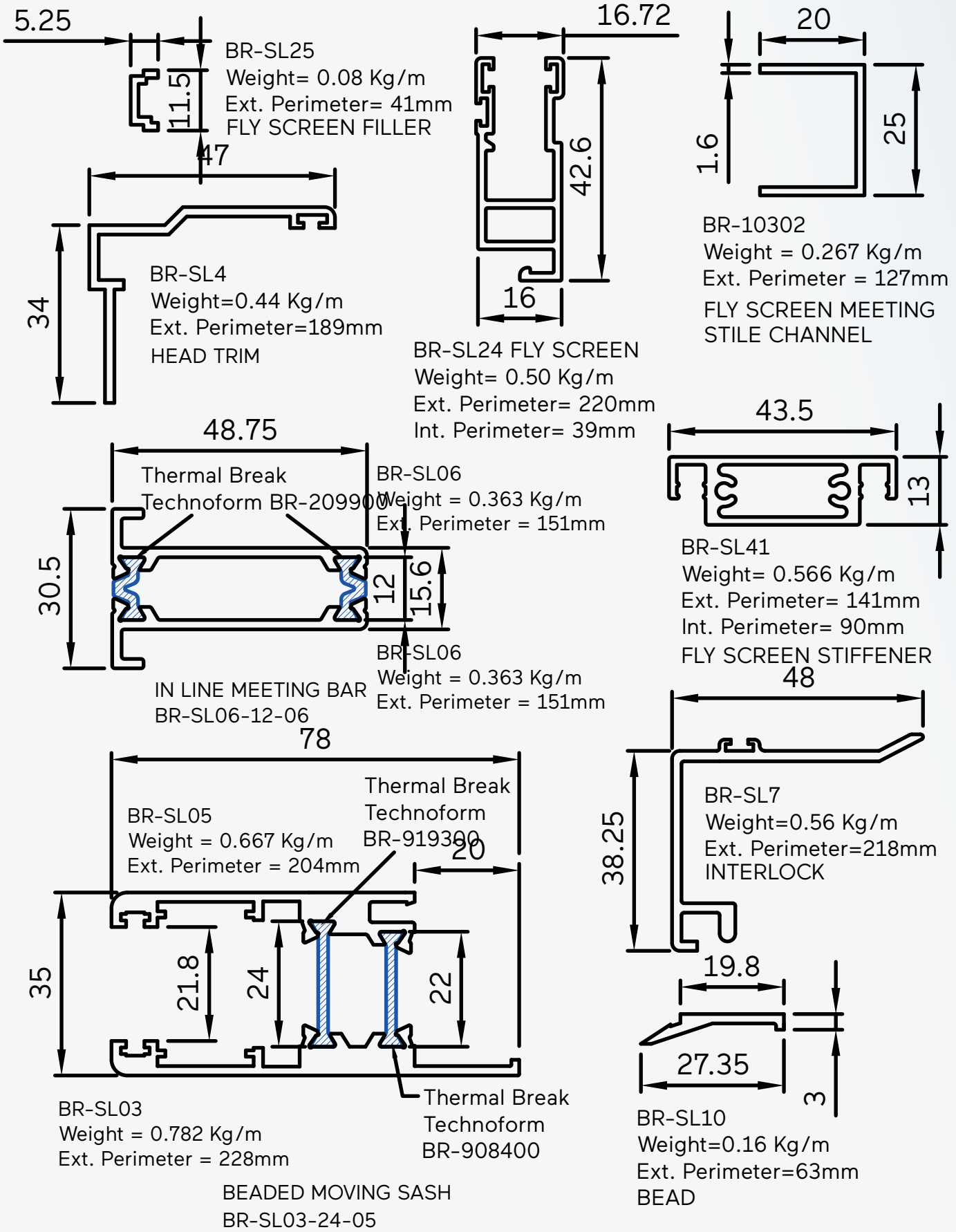
Maximum / minimum shutter sizes
 (shutters size should be within appropriate area)
 Red () = Moving sash (SL03-24-03)
 Purple () = Tall moving sash (SL03-24-17)

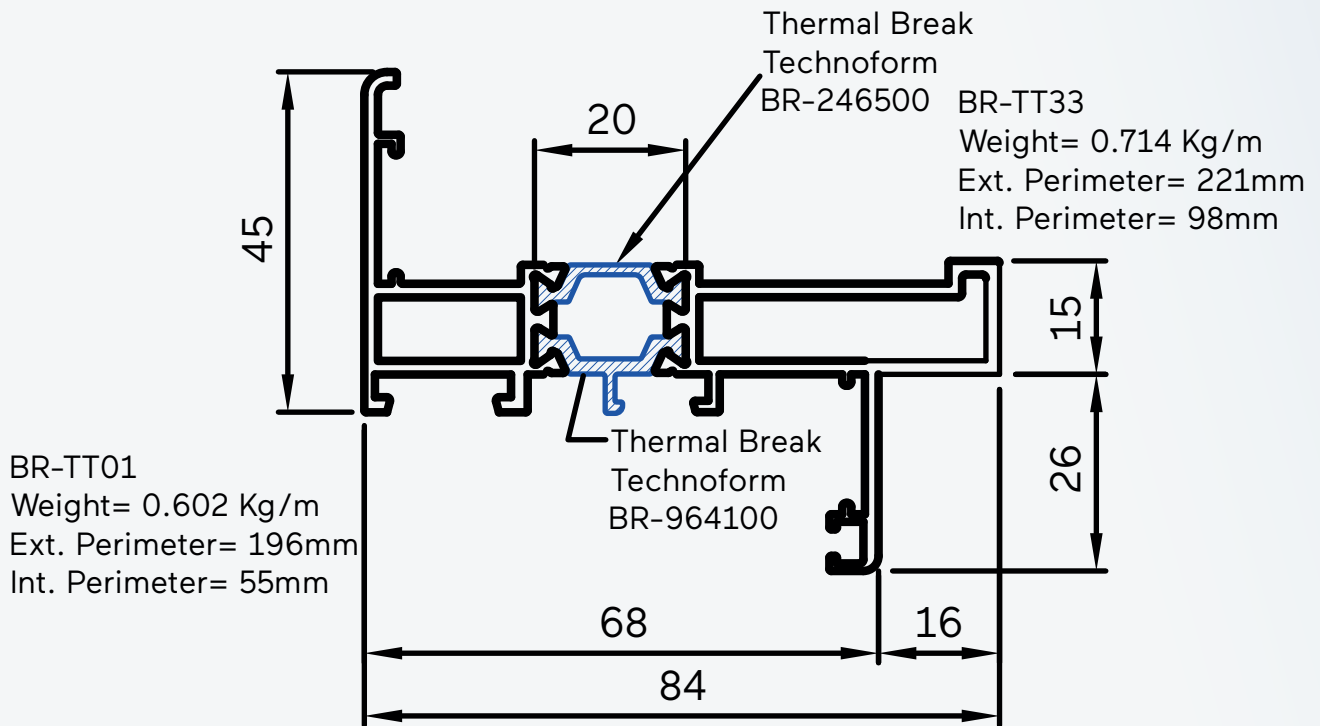


OUTER FRAME
BR-SL02-20-01

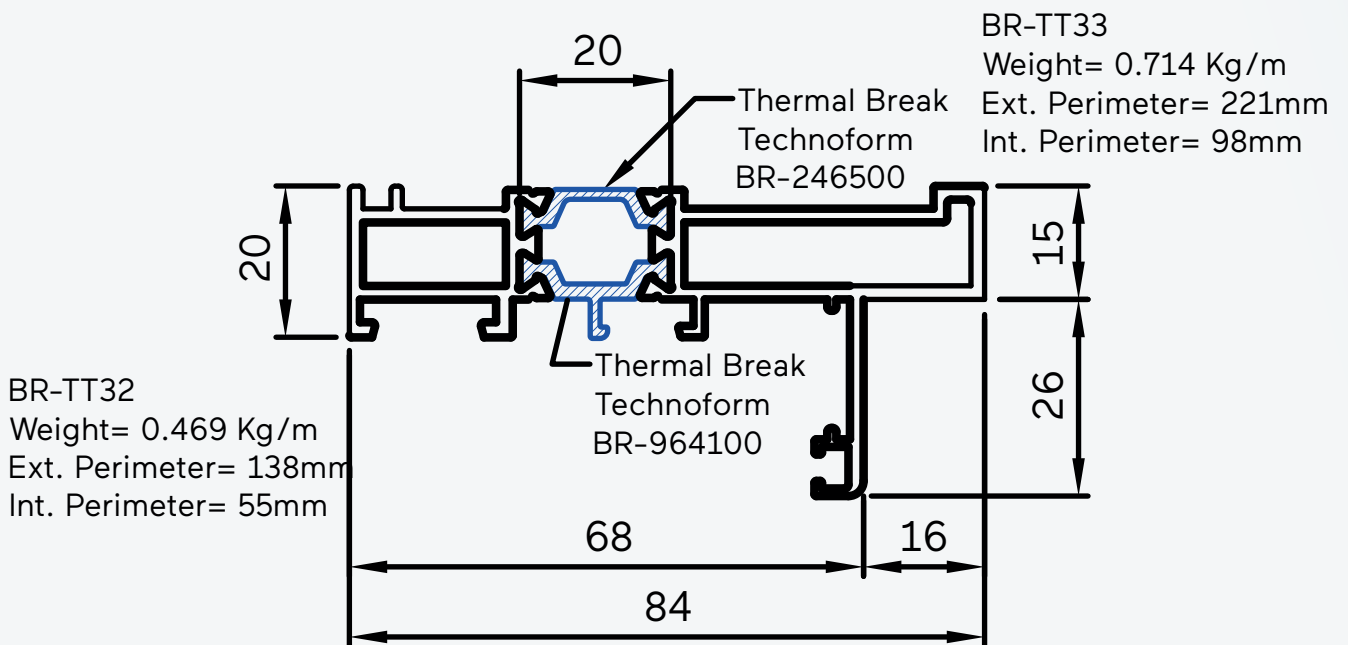


MOVING SASH
BR-SL03-24-03

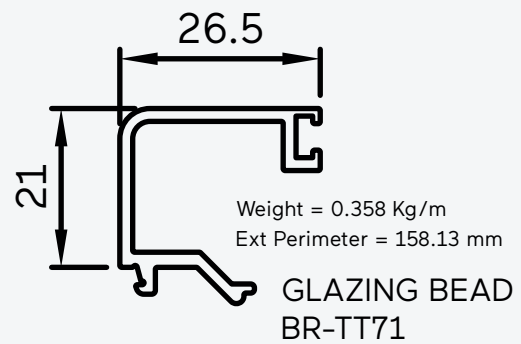
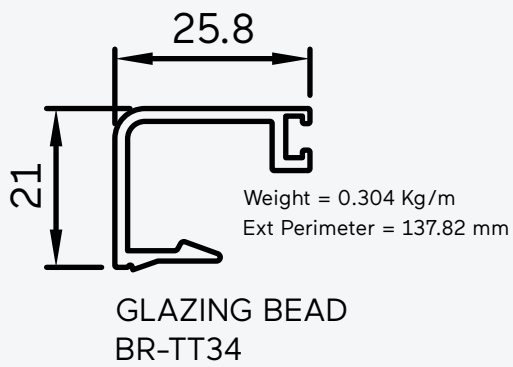
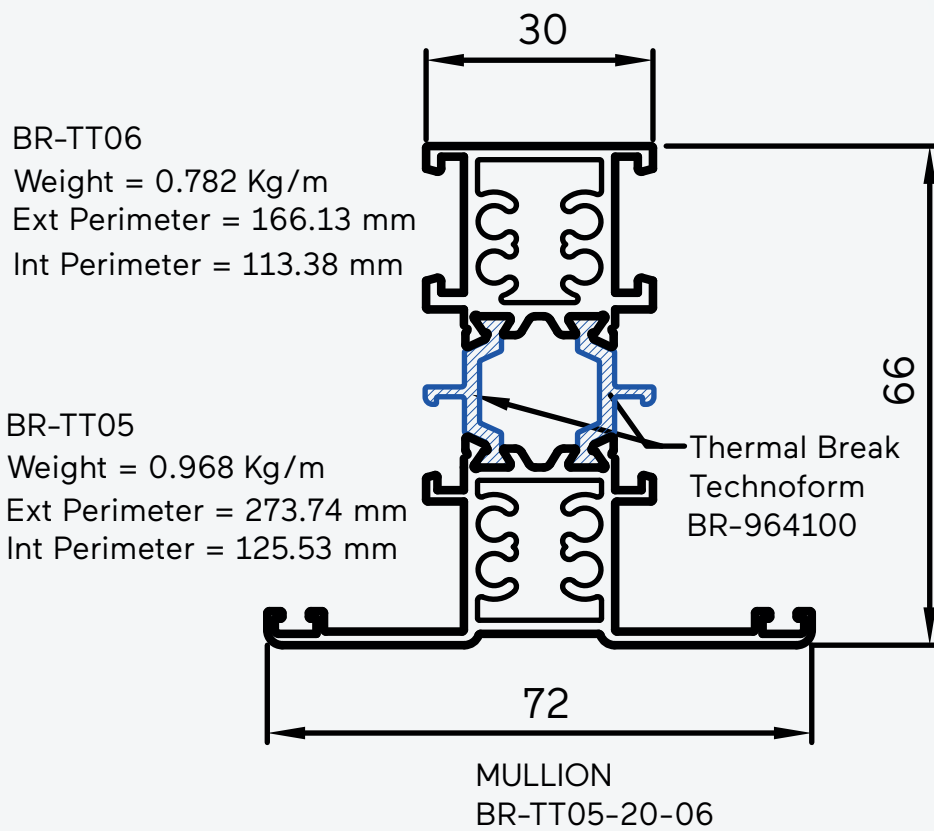




68mm LONG LEG FIXED LIGHT
 BR-TT33-20-01

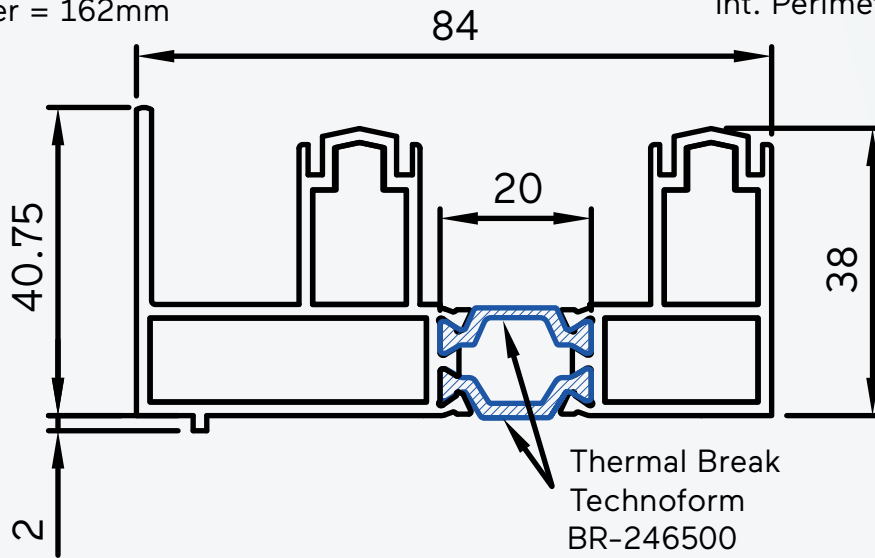


68mm EQUAL LEG FIXED LIGHT
 BR-TT33-20-32



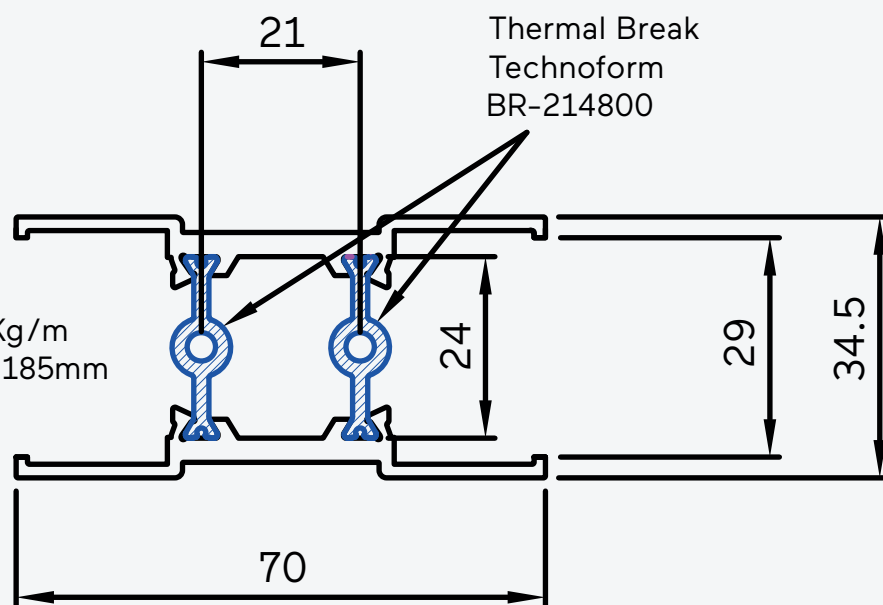
BR-SL09
 Weight = 1.015 Kg/m
 Ext. Perimeter = 250mm
 Int. Perimeter = 162mm

BR-SL02
 Weight= 0.707 Kg/m
 Ext. Perimeter = 162mm
 Int. Perimeter = 129mm

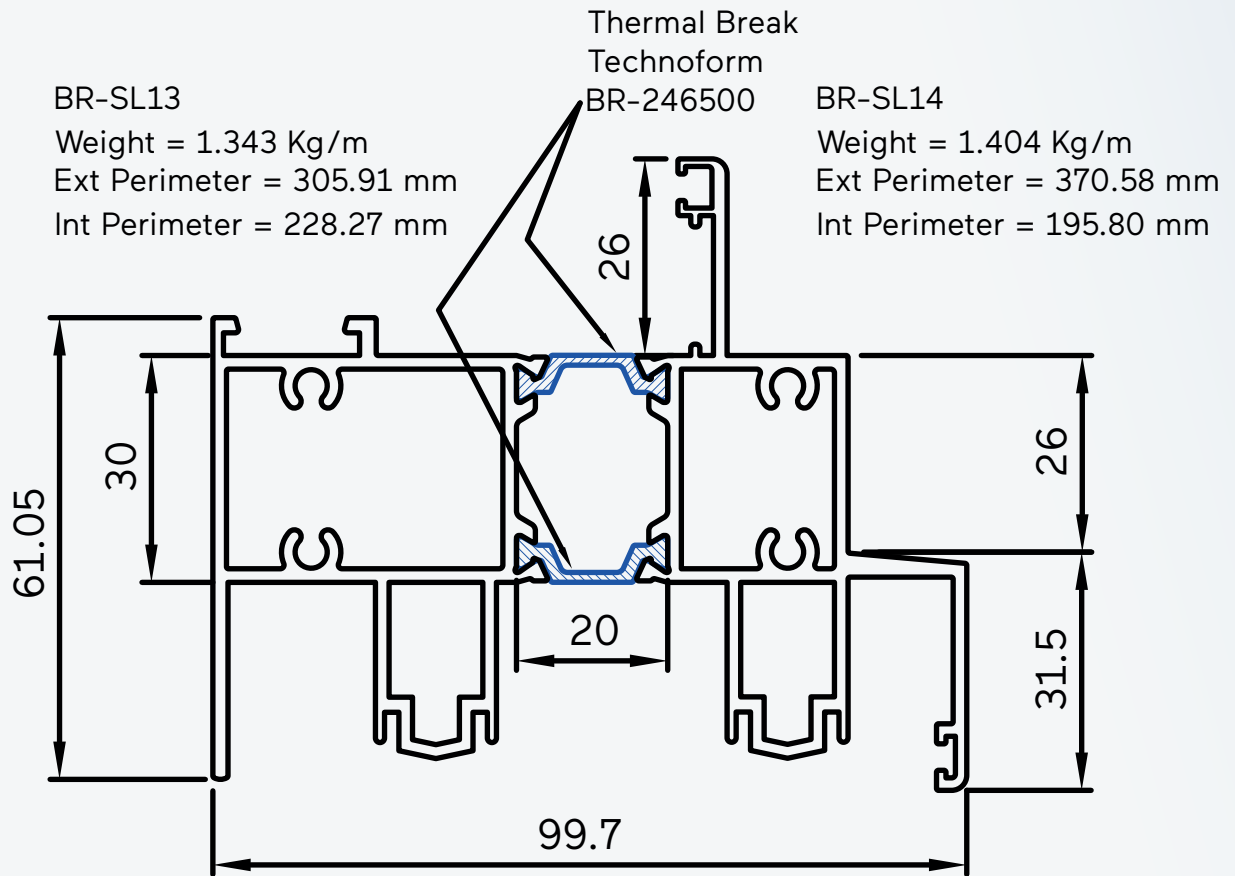


OUTER FRAME SHORT LEG
 BR-SL02-20-09

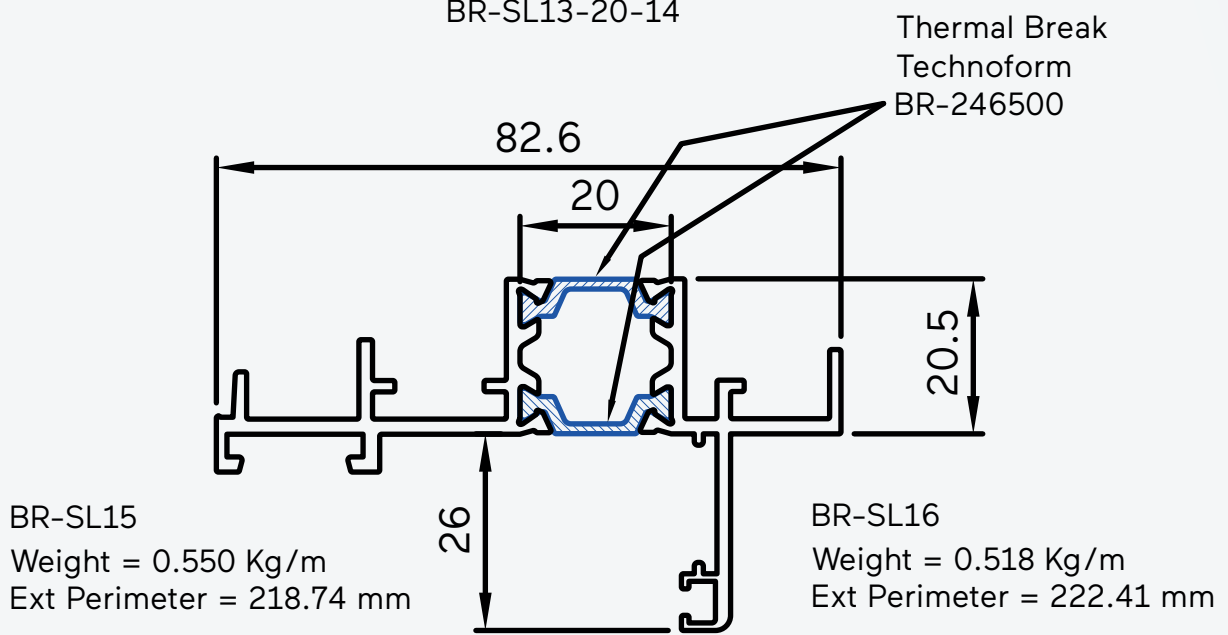
BR-SL08
 Weight= 0.558 Kg/m
 Ext. Perimeter= 185mm



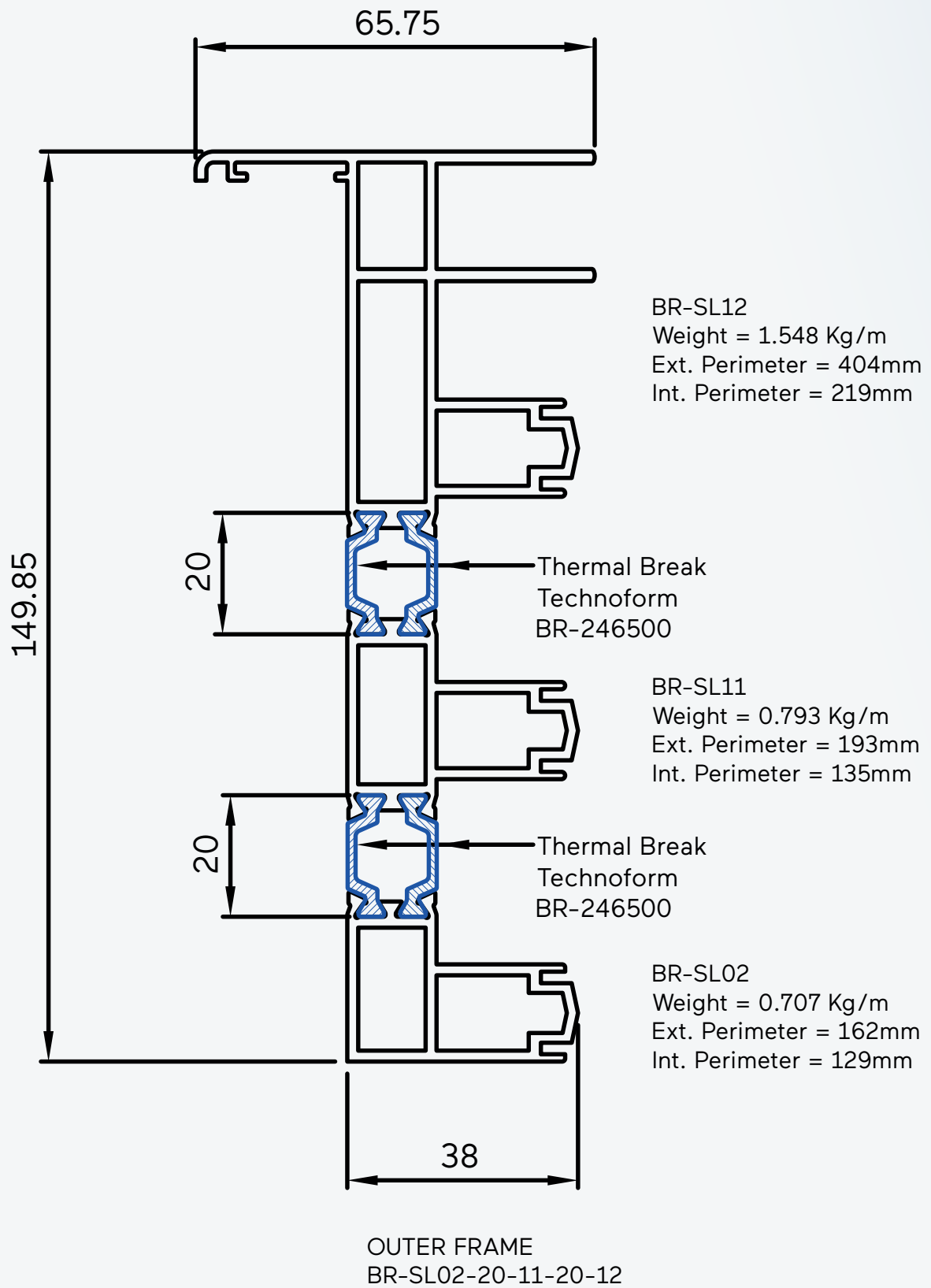
MID-RAIL
 BR-SL08-24-08

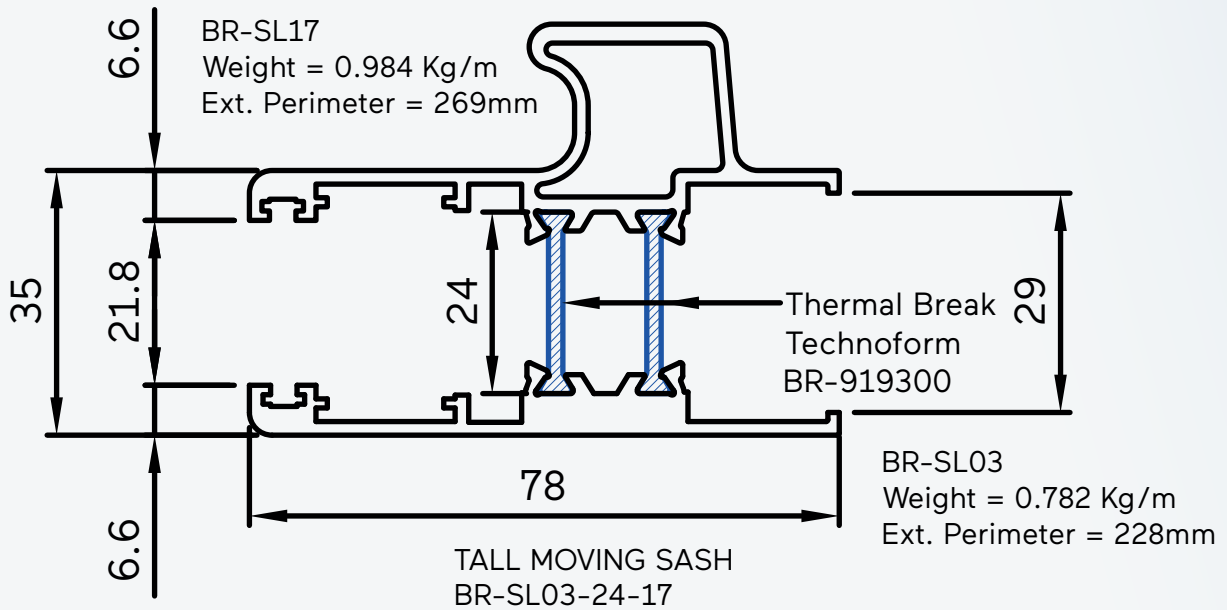


SLIDER TRANSOM
BR-SL13-20-14

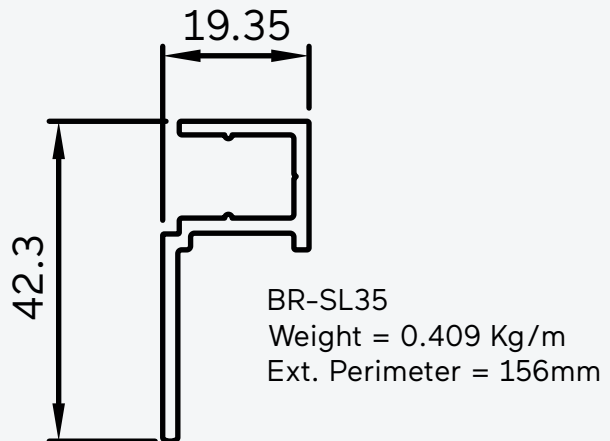
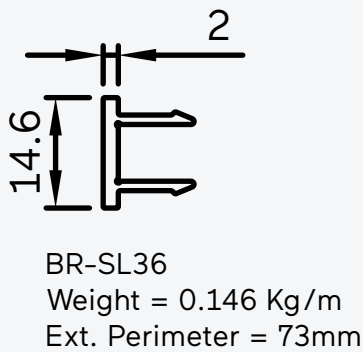
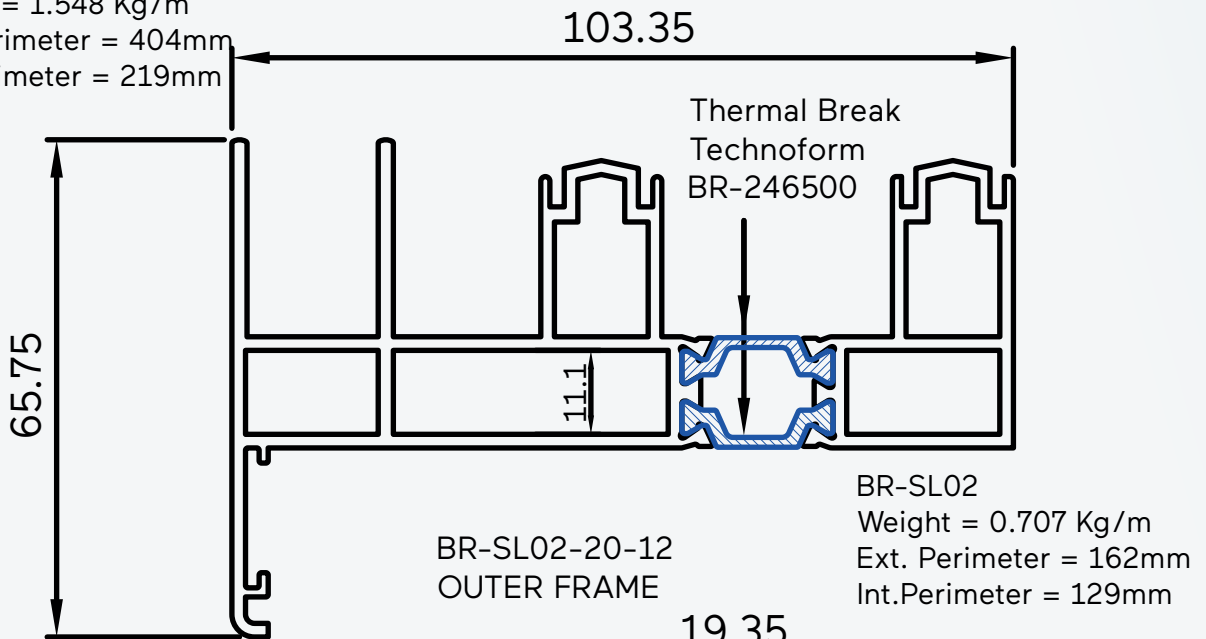


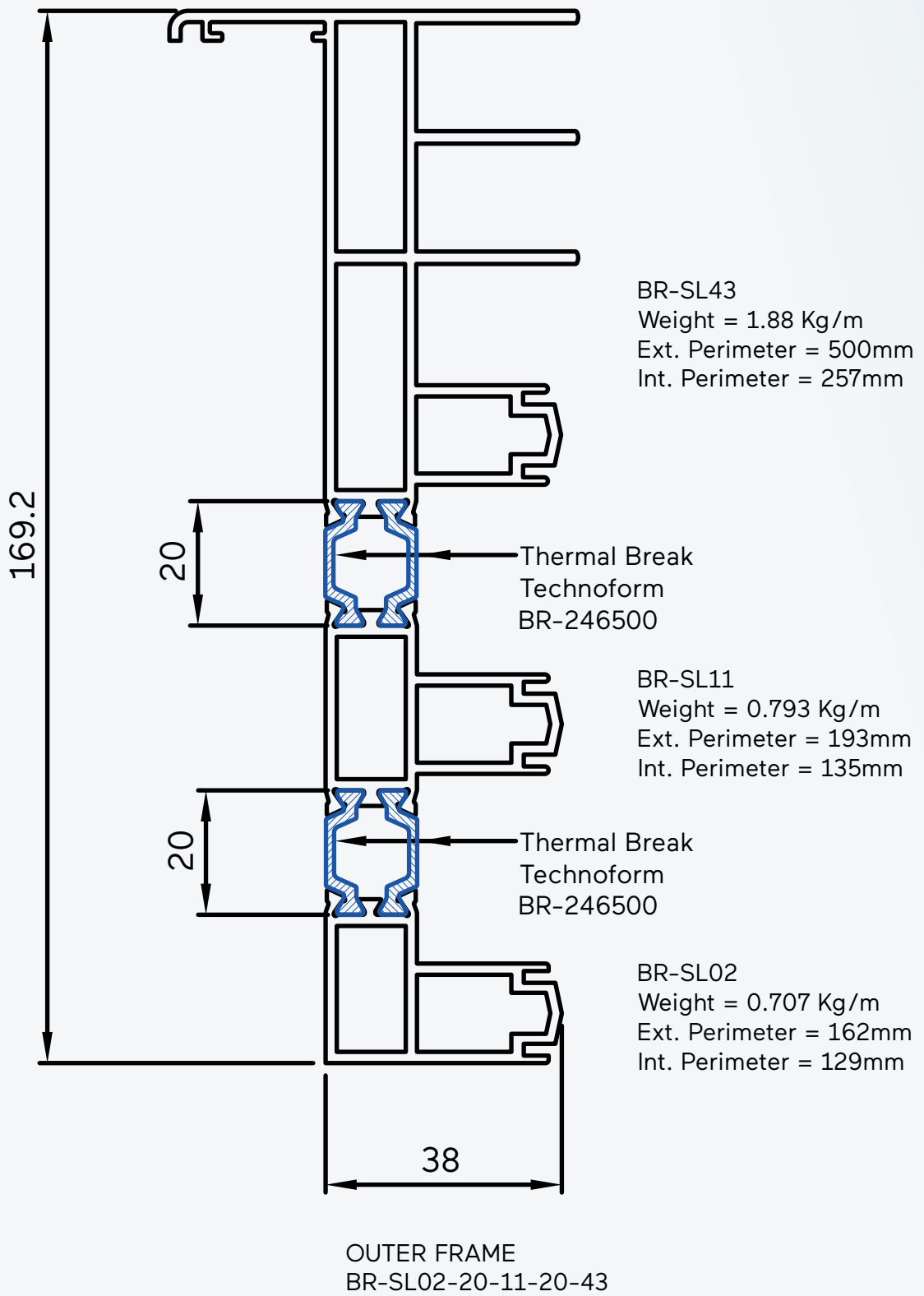
LINER BAR
BR-SL15-20-16

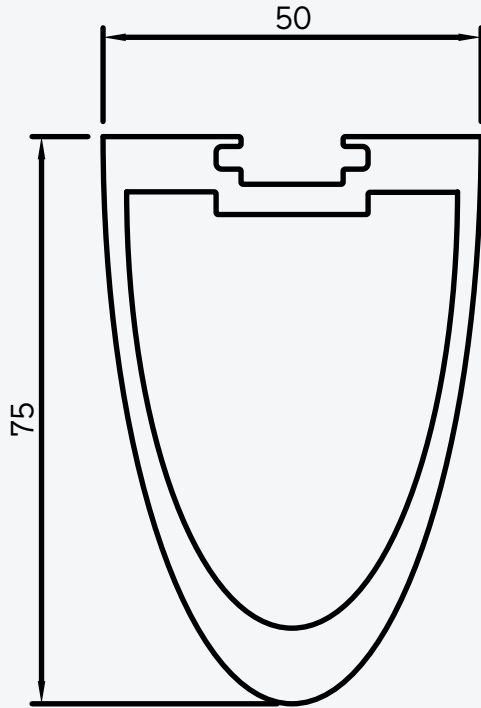




BR-SL12
Weight = 1.548 Kg/m
Ext. Perimeter = 404mm
Int. Perimeter = 219mm

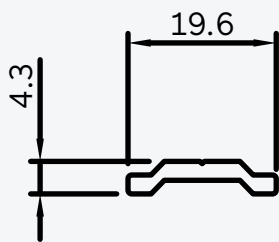






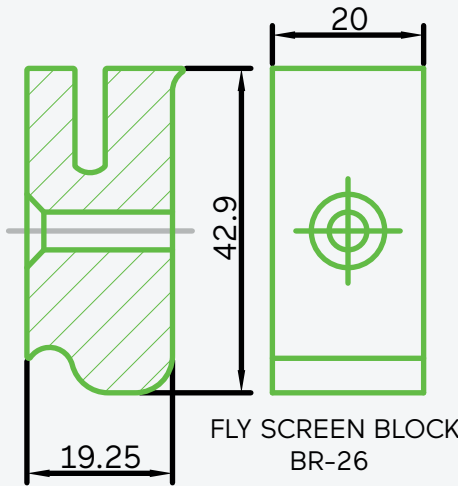
BR-LS54 - Alternative Reinforcement Section

SECTION	BR-LS54
AREA (sqmm)	918.8
WEIGHT (kg/m)	2.49
O/S PERIM (mm)	240.63
IXX (cm ⁴)	63.55

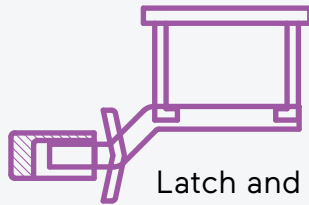


BR-TT13 - Reinforcement Slide bracket

SECTION	BR-TT13
AREA (sqmm)	48.7
WEIGHT (kg/m)	0.131
O/S PERIM (mm)	46.6



FLY SCREEN BLOCK
BR-26



Latch and keep
BR-6438 (non locking)
BR-6448 (locking)
BR-6479S (closing kit)



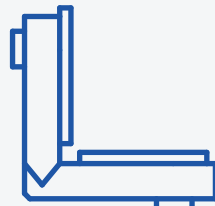
Buffer stop
BR-6814



Woolpile
BR-PB48.700-FP



Thermal break
BR-16



Corner Cleats
BR-0337 (outer frame)
BR-0355 (outer frame)



Corner Brace
BR-2190



Woolpile
BR-PB48.800-FP



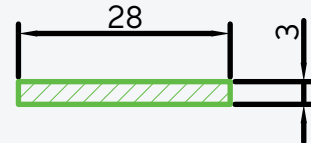
RETAINED
GLAZING GASKET
BR-12



RETAINED
GLAZING GASKET
BR-22



WEDGE GASKET
BR-11



BR-S9 - 28 x 100 x 3
SETTING BLOCK



INNER WEDGE
GASKET BR-14



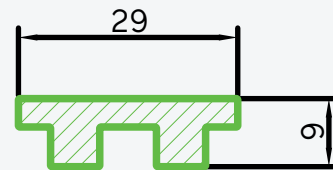
OUTER SELF
ADHESIVE
GASKET BR-15



Corner Cleat
BR-0301



GLAZING CLIP
BR-2210
(30mm long)



Setting Block
BR-S6



Sash End Plug
BR-6824.1



Stainless Steel
Track
BR-SS01



Rollers
(moving sash)
BR-6667.1(Maximum Sash Weight 100 Kg)
BR-6675.15(Maximum Sash Weight 180 Kg)
BR-6675.34(Maximum Sash Weight 220 Kg)



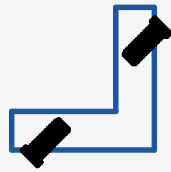
DRAIN HOLE COVER
BR-A2145



SEAL
BR-6833



FLY SCREEN ROLLER
BR-A7061



FLY SCREEN
CORNER CLEAT
BR-A7015

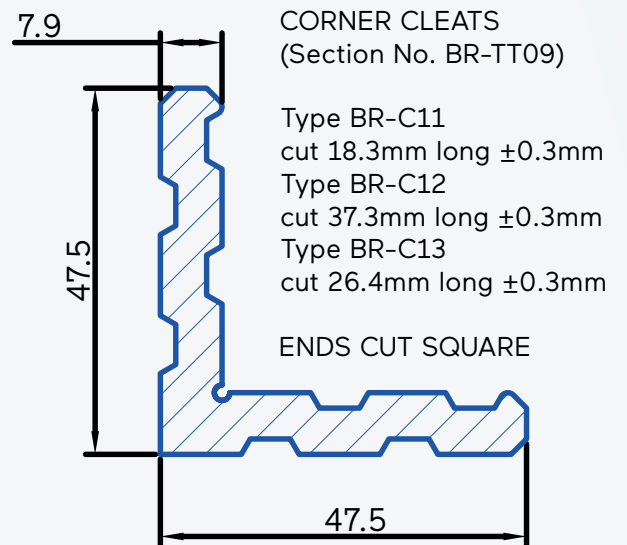
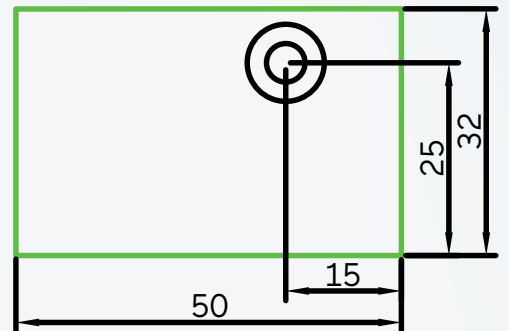
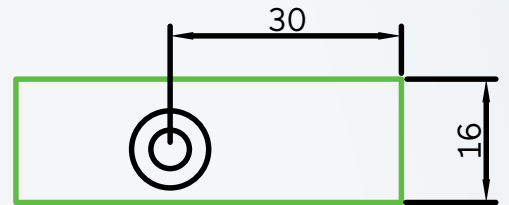
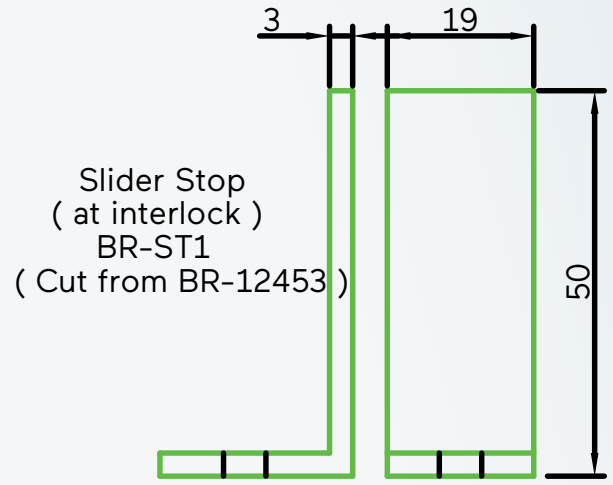
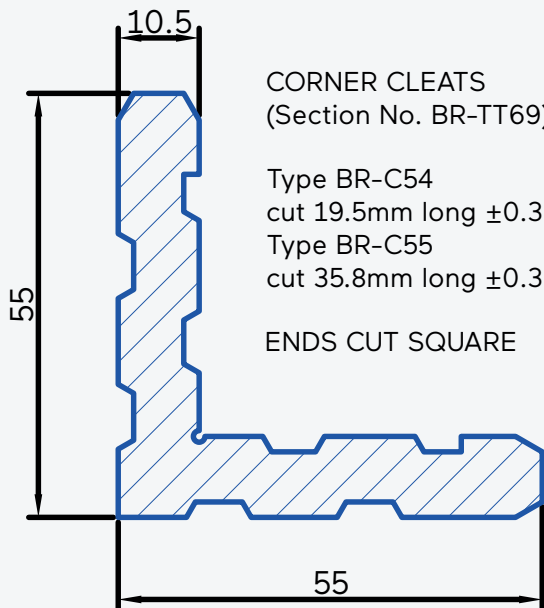
Push-in
screw cover



Pull Handle
BR-7055
(Alternative)



Pull Handle
BR-7051



Fast Lock Multipoint Lock (Non Locking type)

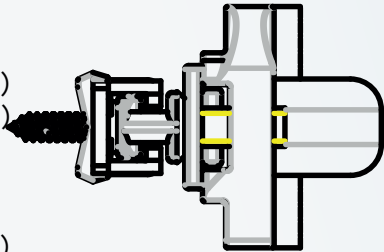
Backset= 15mm

BR-6380 L=210mm 1 Locking Point (min door height 500mm)

BR-6381 L=600mm 2 Locking Points (min door height 800mm)

BR-6382 L=1000mm 2 Locking Points (min door height 1200mm)

BR-6384 L=1800mm 3 Locking Points (min door height 2000mm)

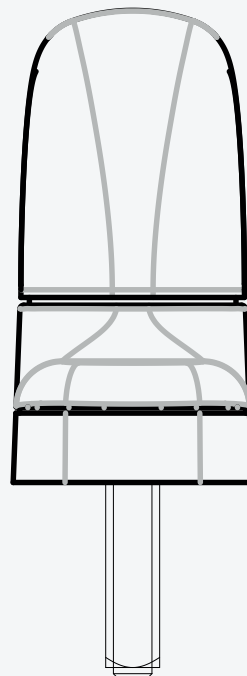


Fast Lock Multipoint Lock (Locking Type)

BR-6385 L=1800mm 3 Locking Points (min door height 2000mm)

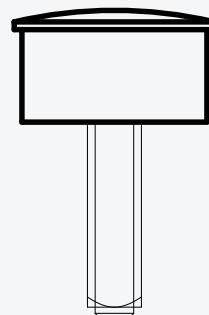
Comfort Twist Handle

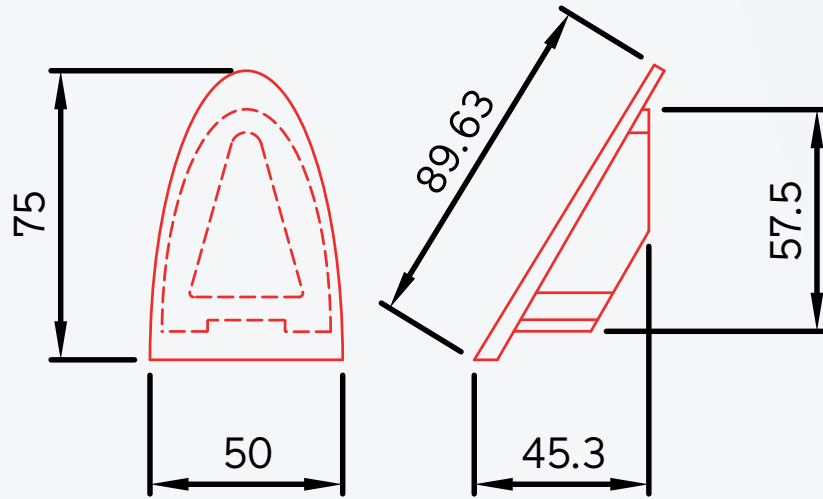
BR-3070 (use on inner)



Embedded Handle

BR-6397-1 (use on outer leaf)





END CAP TO REINFORCEMENT
(BLACK MOULDED EPDM)
BR-81

The following order of assembly should be followed for the best results :-

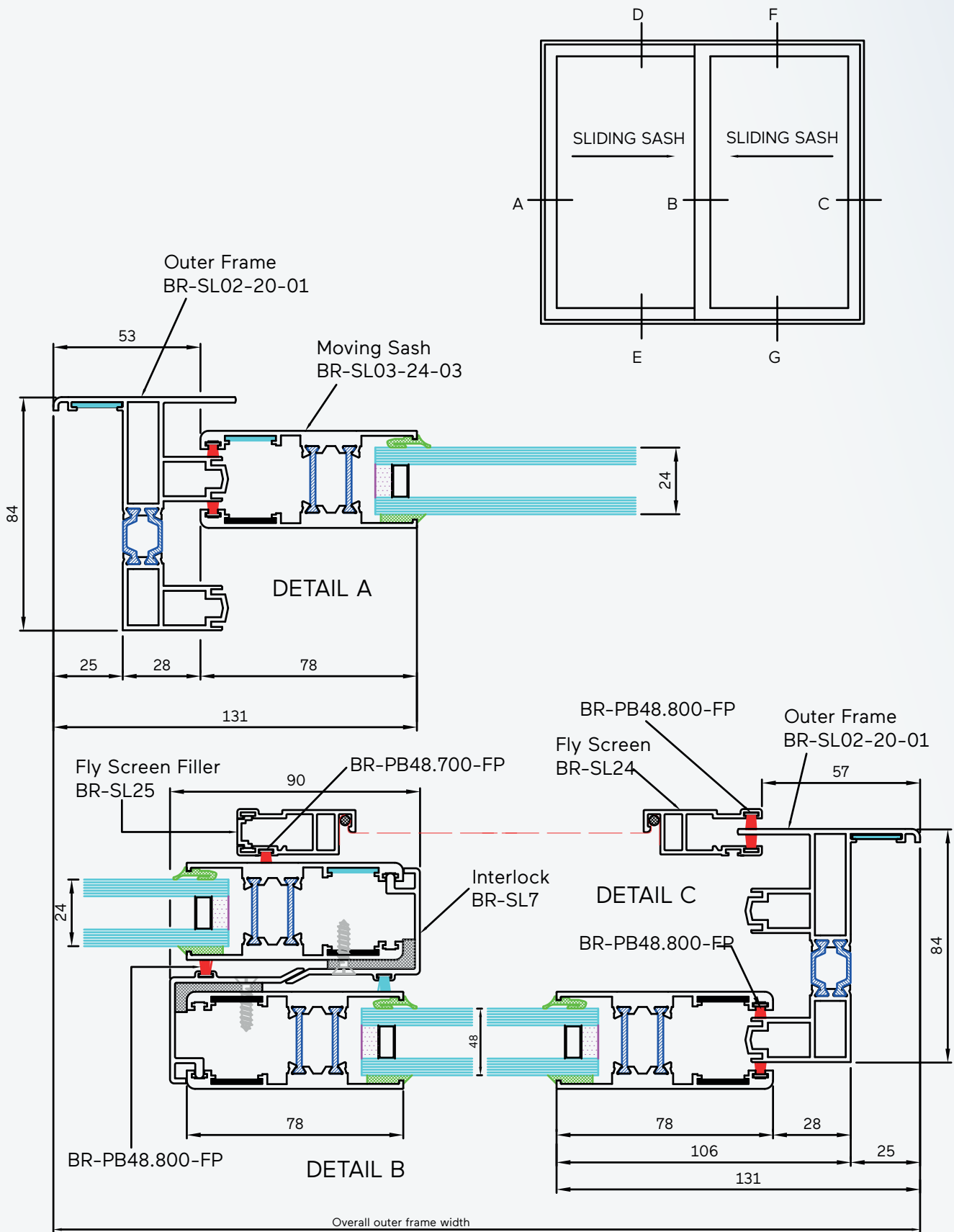
NON BEAD GLAZED VERSION. (using moving sash BR-SL03-24-03
or BR-SL03-24-17 for tall moving sashes)

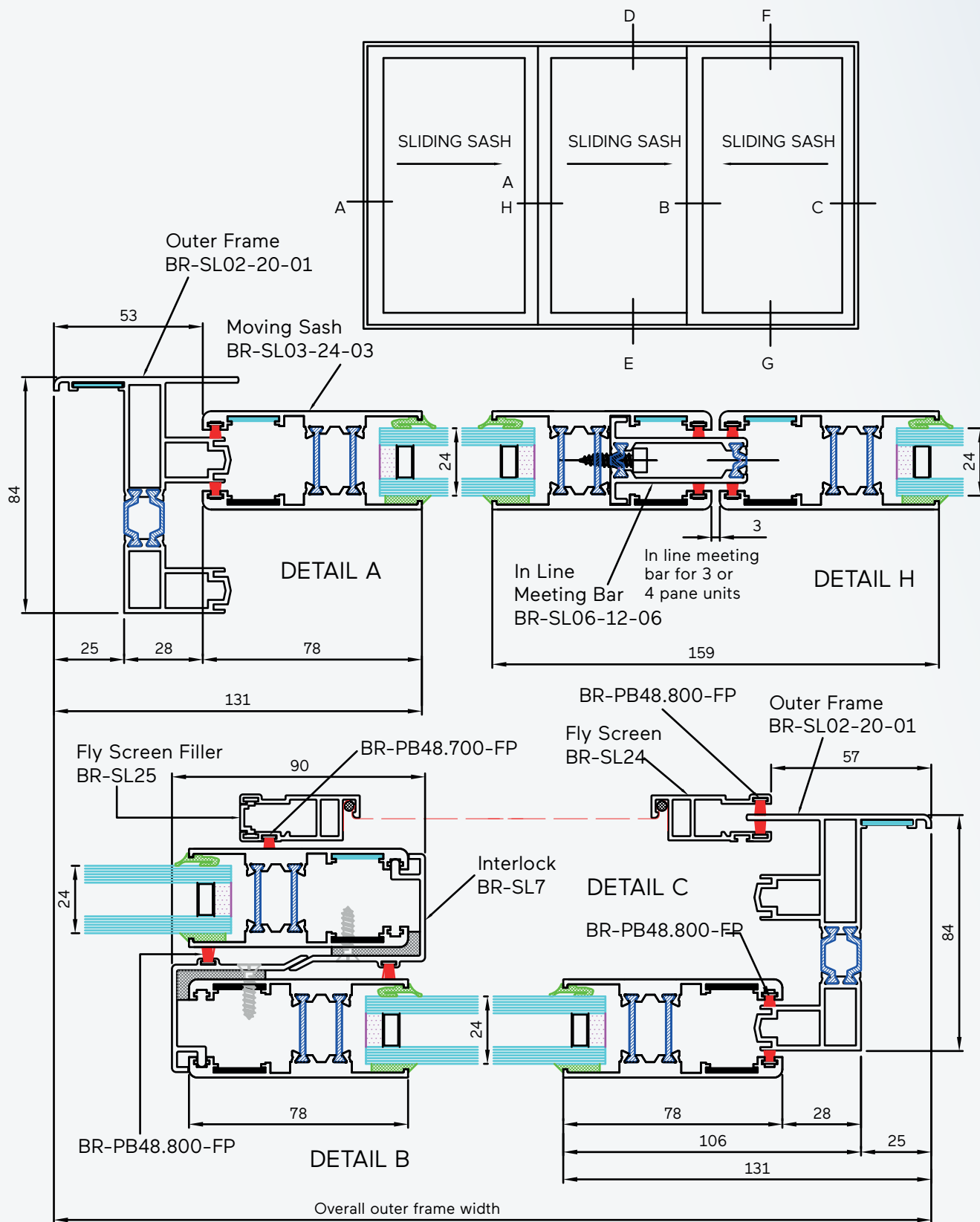
1. All bars should be pre cut and machined as detailed in this manual.
2. The four outer frame bars should be assembled using the corner cleats BR-0337 & 0355 and corner brace BR-2190 at each corner. Ensure all of the corner joints are fully sealed against water penetration. The stainless steel track section BR-SS01 should then be inserted. The latch keeps should be fitted at this stage as should the head trim BR-SL4 and the in line meeting rail to moving sash bar (when required).
4. Apply the self adhesive thermal break BR-16 to the interlock sections BR-SL7.
5. Apply the self adhesive glazing gasket BR-15 to the glazing leg of the section ensuring the gasket is tightly mitred at the corners.
6. Offer the double glazing unit to the sash frame ensuring it is sitting on the setting blocks (BR-S2) and packers at the cill and jambs.
7. The four mitred sash frame bars should be assembled around the double glazing unit using the corner cleat BR-0301 & corner braces BR-2190 at each corner. Ensure all of the corner joints are fully sealed against water penetration. When assembling the sash frame ensure that the wool pile weather seals, two roller assemblies (BR-6667.1 or BR-6675.4), two buffer assemblies (BR-6814) and the latch assembly (BR-6438) are fixed to the bars before the corners are assembled.
Interlock to be fixed to the sash using No 8 x 19mm countersunk headed stainless steel self tapping screws at 300mm centres.
8. Fit the inner glazing wedge BR-14 ensuring it is not stretched and that tight joints are formed at the corners.
9. Fix the outer frame into the window opening in the building ensuring it is square and that the bars are not bowed.
10. Before the sashes are offered into place, the fixing screws retaining the in-line meeting bar (BR-SL06-12-06) should be removed, to allow the bar to move up and down when the sash is inserted. When sashes are in position the fixing screws should then be re-fitted. It may be necessary to adjust the height of the rollers to ensure the sash slides freely and that the cover on the weather seals is consistent at the head, cill and jambs.
11. Fit the sash end plugs BR-6824 to the ends of the interlock bars at the meeting rails. Locate and screw fix the seal BR-6833 and self adhesive foam seals to the outer frame at the head and cill, on centre line of the meeting rails.

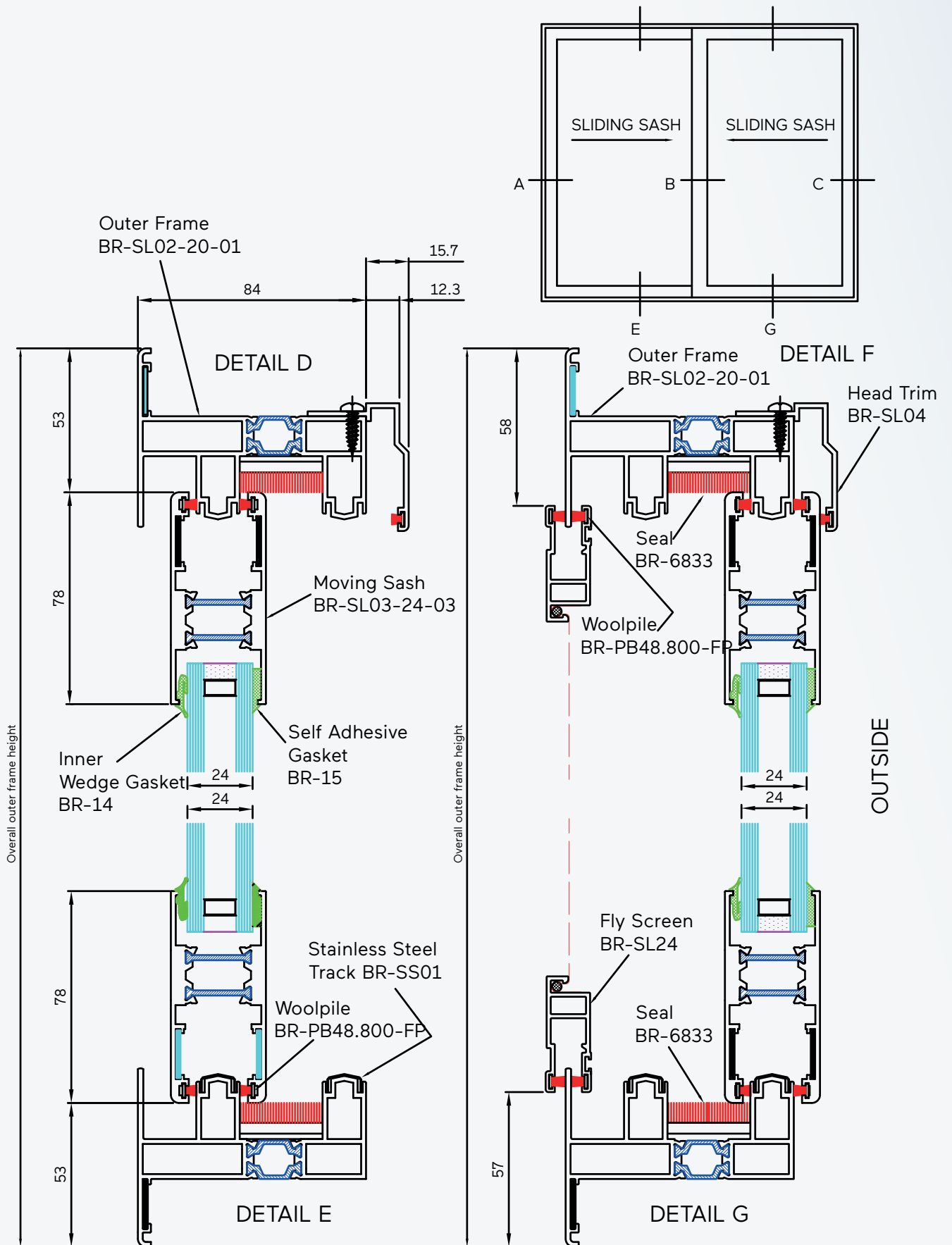
The following order of assembly should be followed for the best results

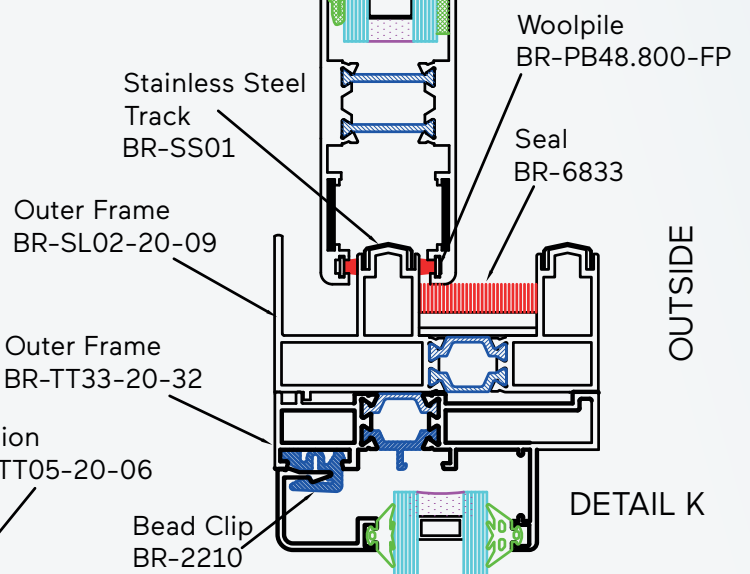
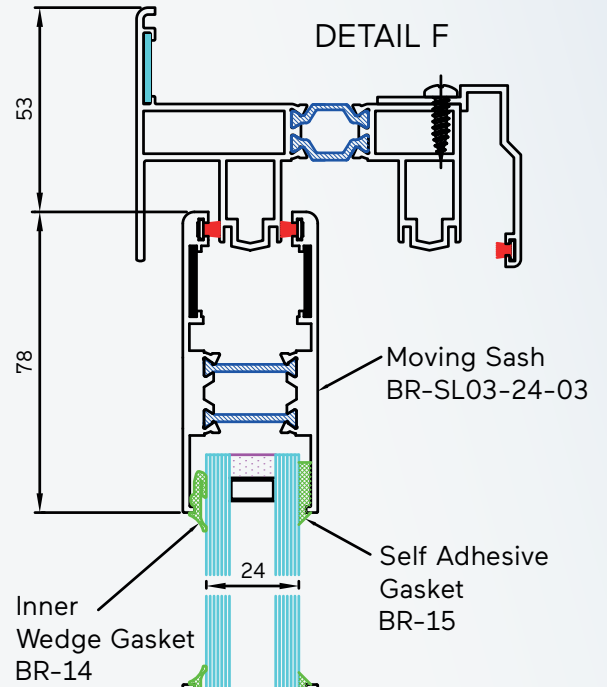
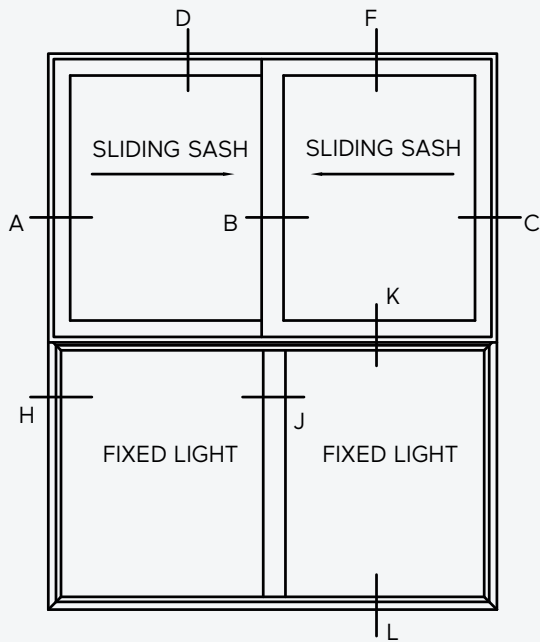
BEAD GLAZED VERSION. (using beaded moving sash BR-SL09-24-08)

1. All bars should be pre-cut and machined as detailed in this manual.
2. The four outer frame bars should be assembled using the corner cleats BR-0337 & 0355 and corner brace BR-2190 at each corner. Ensure all of the corner joints are fully sealed against water penetration. The stainless steel track section BR-SS01 should then be inserted. The latch keeps should be fitted at this stage as should the head trim BR-SL4 and in line meeting bar (when required).
3. The four mitred sash frame bars should be assembled using the corner cleat BR-0301 and corner braces BR-2190 at each corner. Ensure all of the corner joints are fully sealed against water penetration. When assembling the sash frame ensure that the wool pile weather seals, two roller assemblies (BR-6667.1 or BR-6675.4), two buffer assemblies (BR-6814) and latch assembly (BR-6438) are fixed to the bars before the corners are assembled.
4. Apply the self adhesive thermal break BR-16 to the interlock sections BR-SL7 and fit the interlock to the sash using No8 x 19mm countersunk headed stainless steel self tapping screws at 300mm centres.
5. Apply the self adhesive glazing gasket BR-15 to the glazing leg of the section ensuring the gasket is tightly mitred at the corners.
6. Fix the outer frame into the window opening in the building ensuring it is square and that the bars are not bowed.
7. Before the sashes are offered into place, the fixing screws retaining the in line meeting bar (BR-SL06-12-06) should be removed, to allow the bar to move up and down when the sash is inserted. When sashes are in position the fixing screws should then be re-fitted. It may be necessary to adjust the height of the rollers to ensure the sash slides freely and that the cover on the weather seals is consistent at the head, cill and jambs.
8. Fit the sash end plugs BR-6824 to the ends of the interlock bars at the meeting rails. Locate and screw fix the seal BR-6833 and self adhesive foam seals to the outer frame at the head and cill, on centre line of meeting rails.
9. Offer the double glazing unit to the sash frame ensuring it is sitting on the setting blocks (BR-S2) and packers at the cill and jambs. Fit the glazing beads (sealing the junctions at the corners) and then install the inner glazing wedge BR-14 ensuring it is not stretched and that tight joints are formed at the corners.

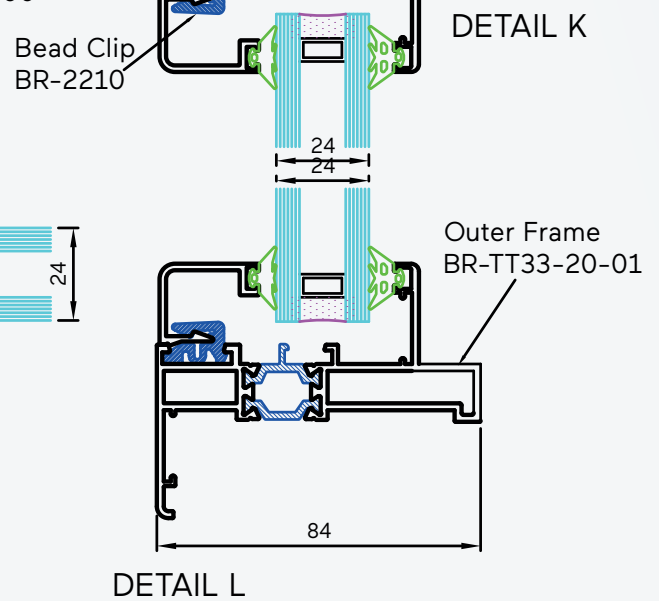
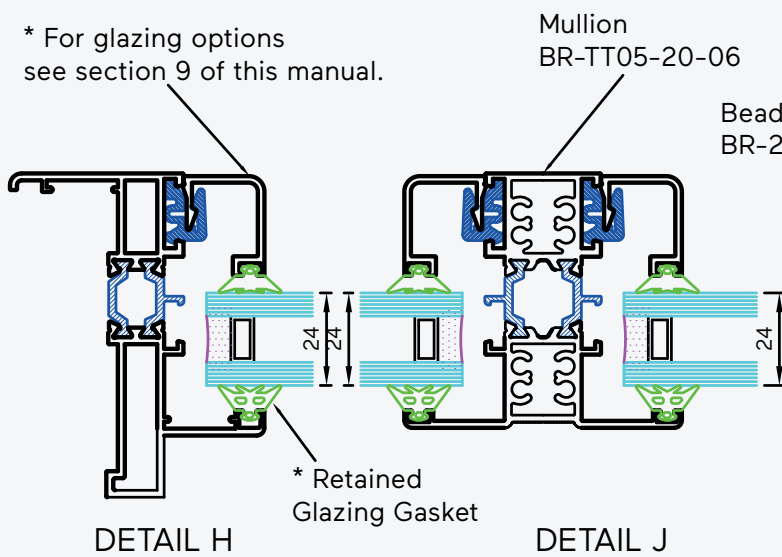


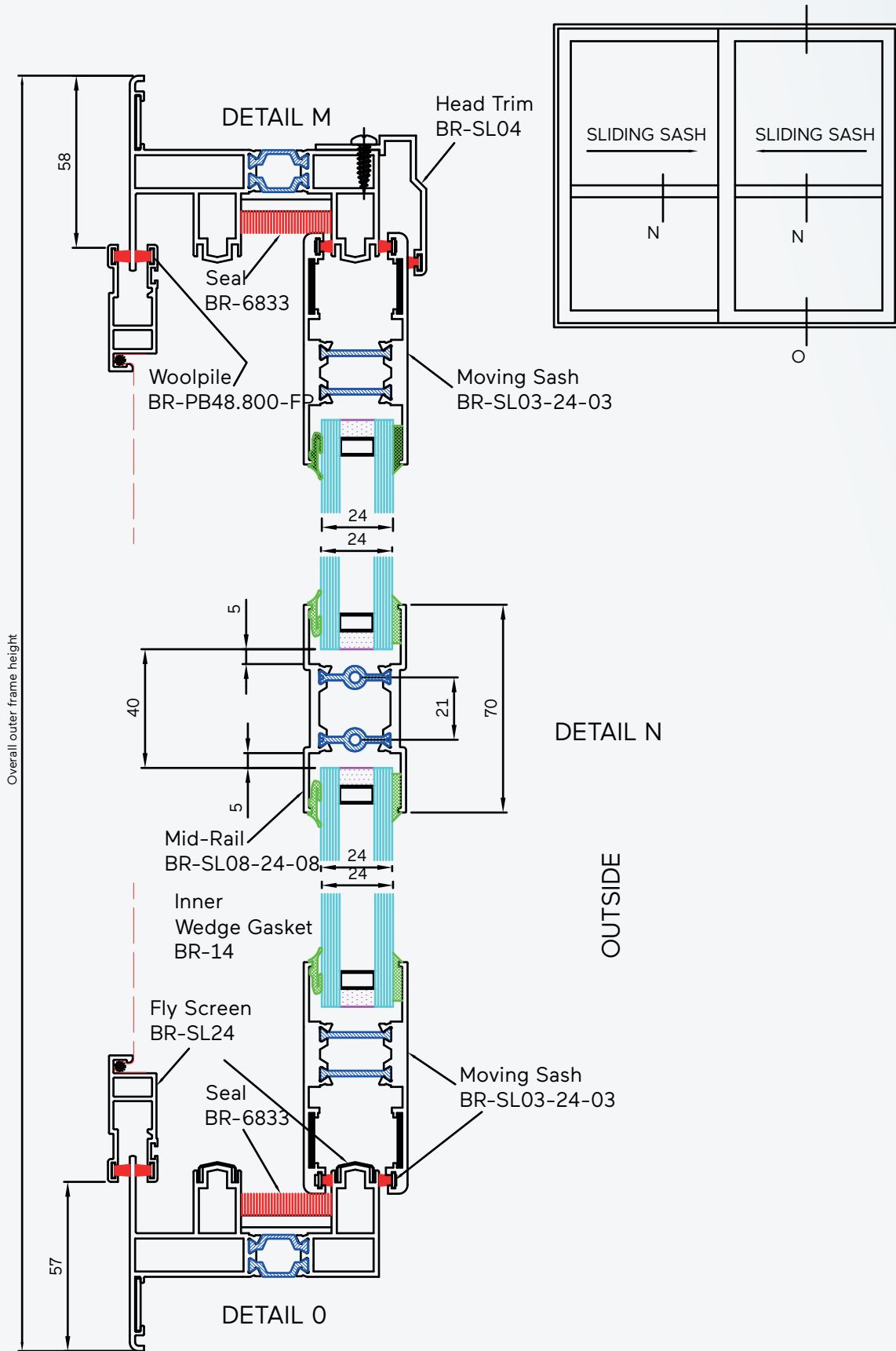


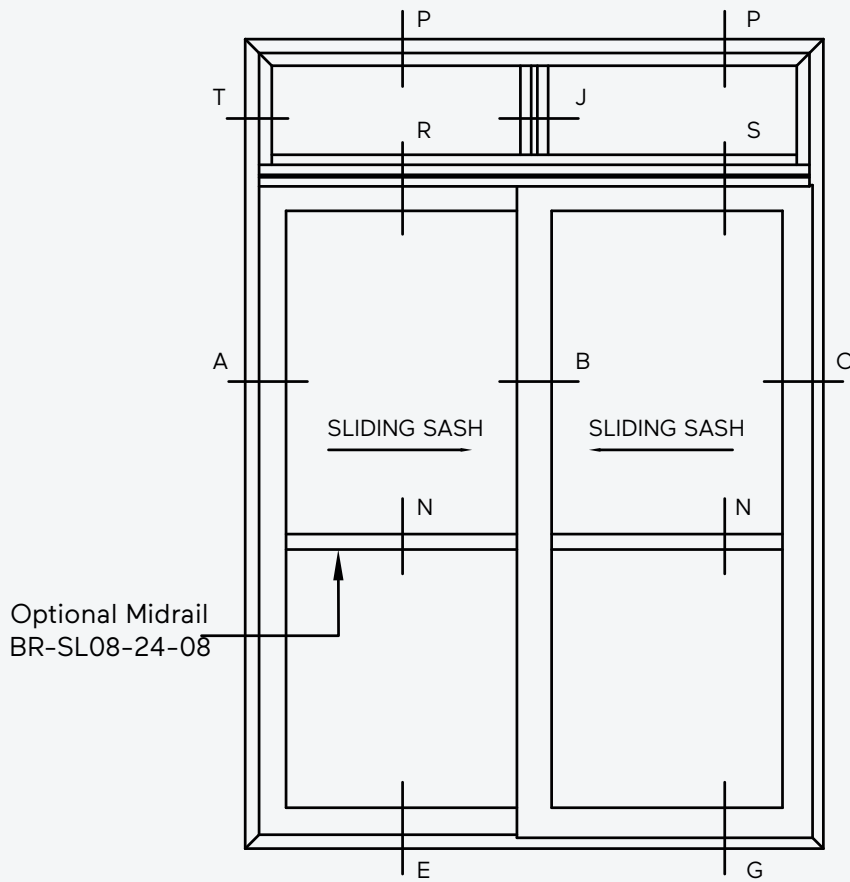




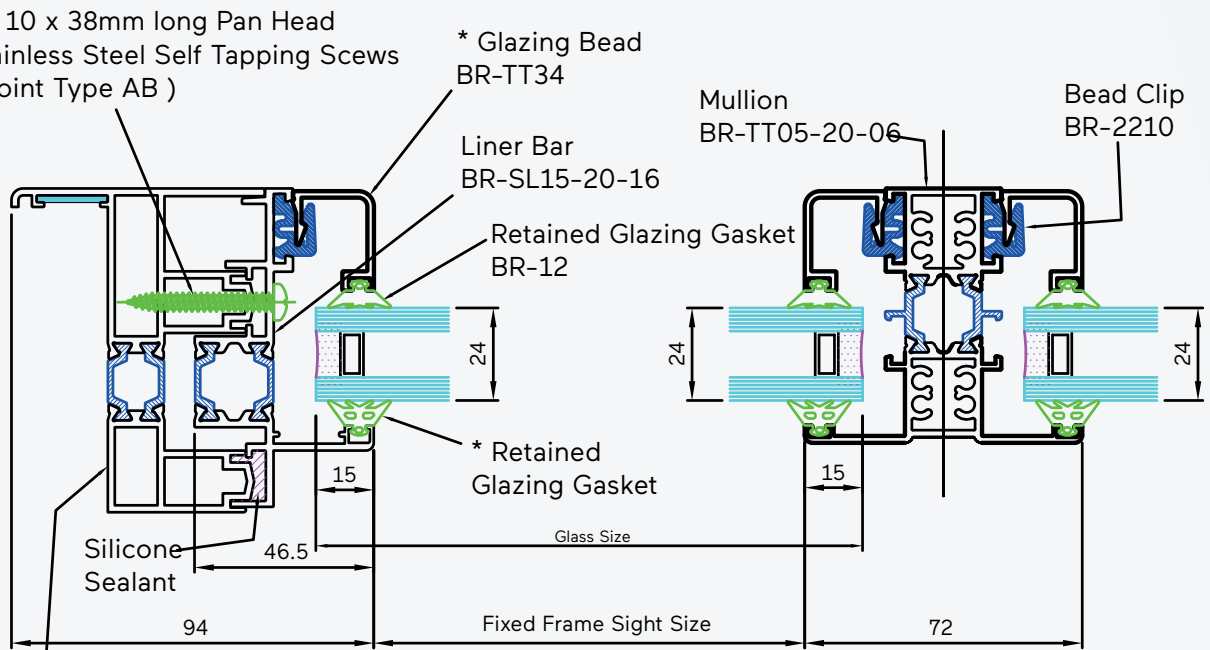
* For glazing options see section 9 of this manual.







No 10 x 38mm long Pan Head
Stainless Steel Self Tapping Screws
(Point Type AB)



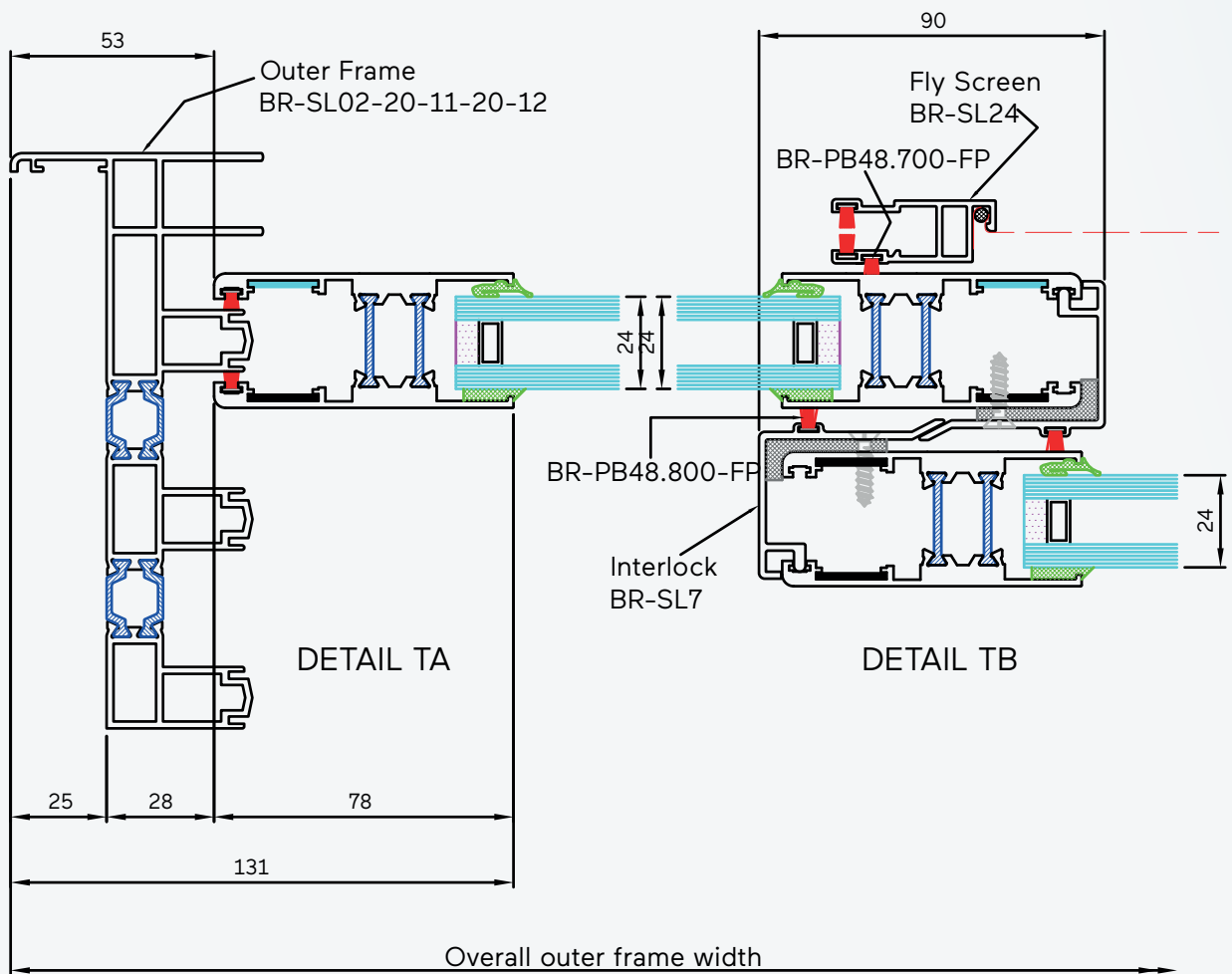
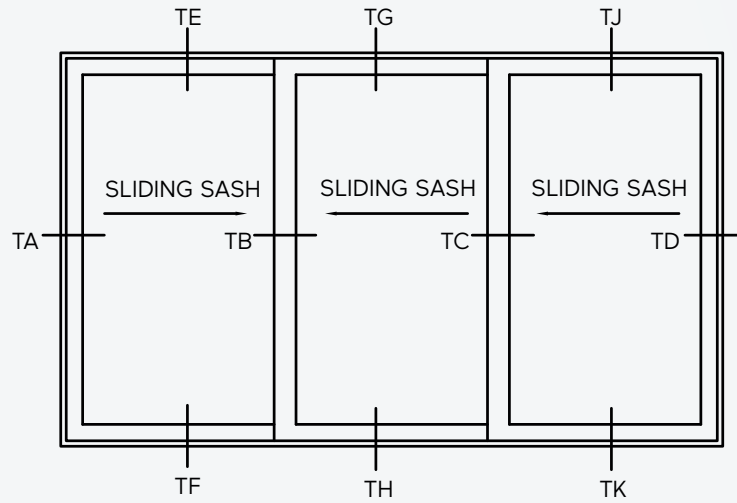
Outer Frame
BR-SL02-20-01

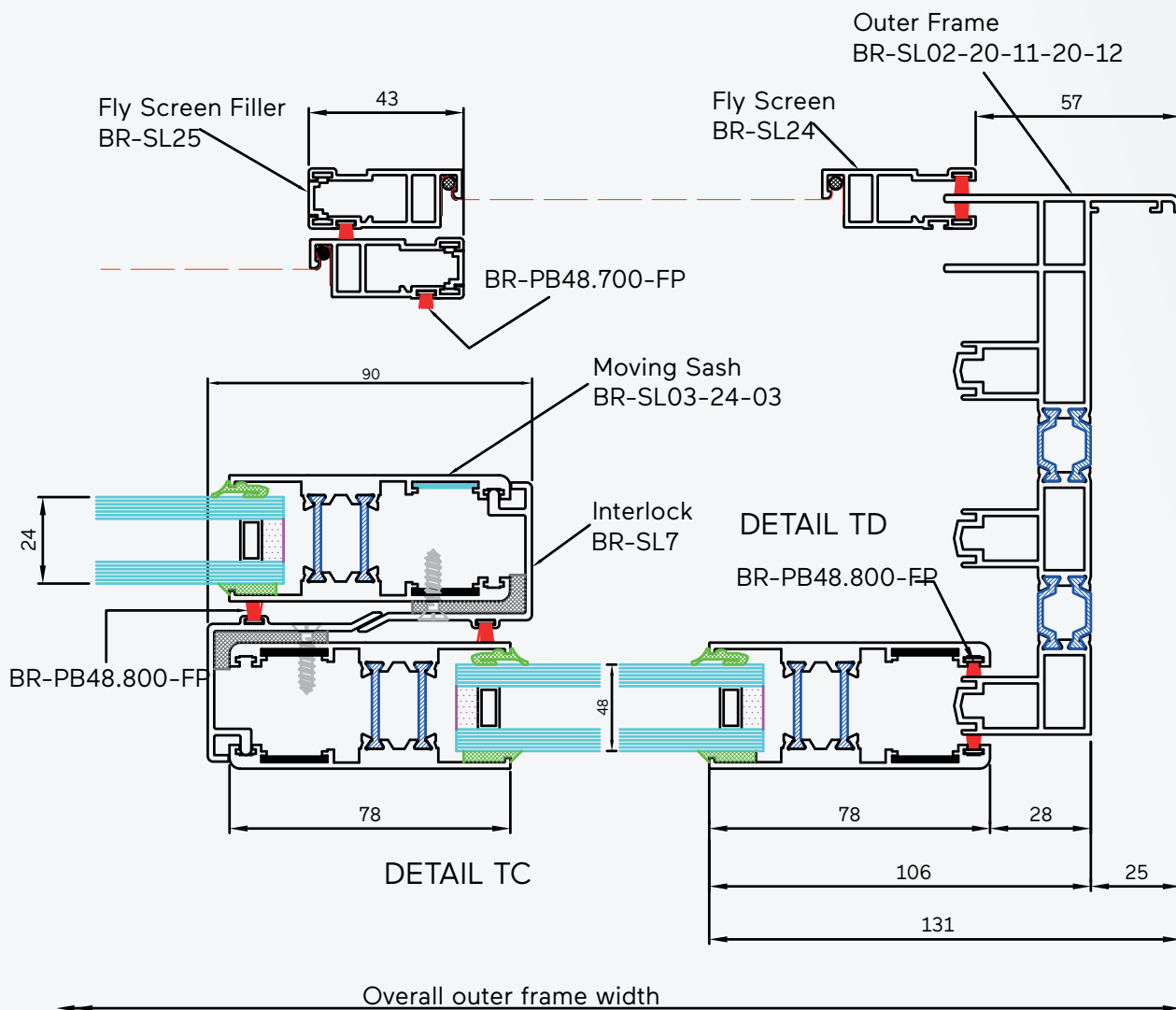
DETAIL T

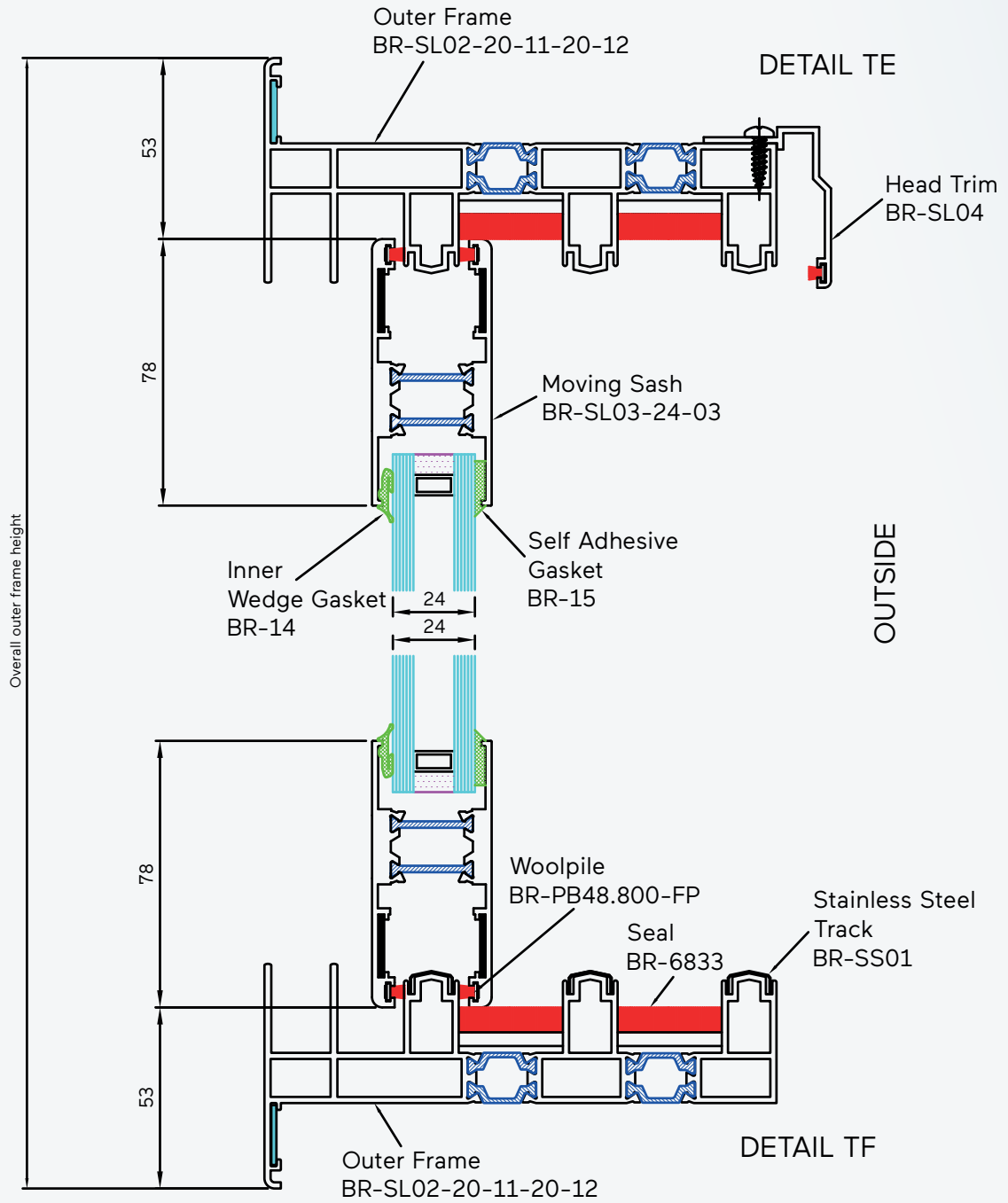
OUTSIDE

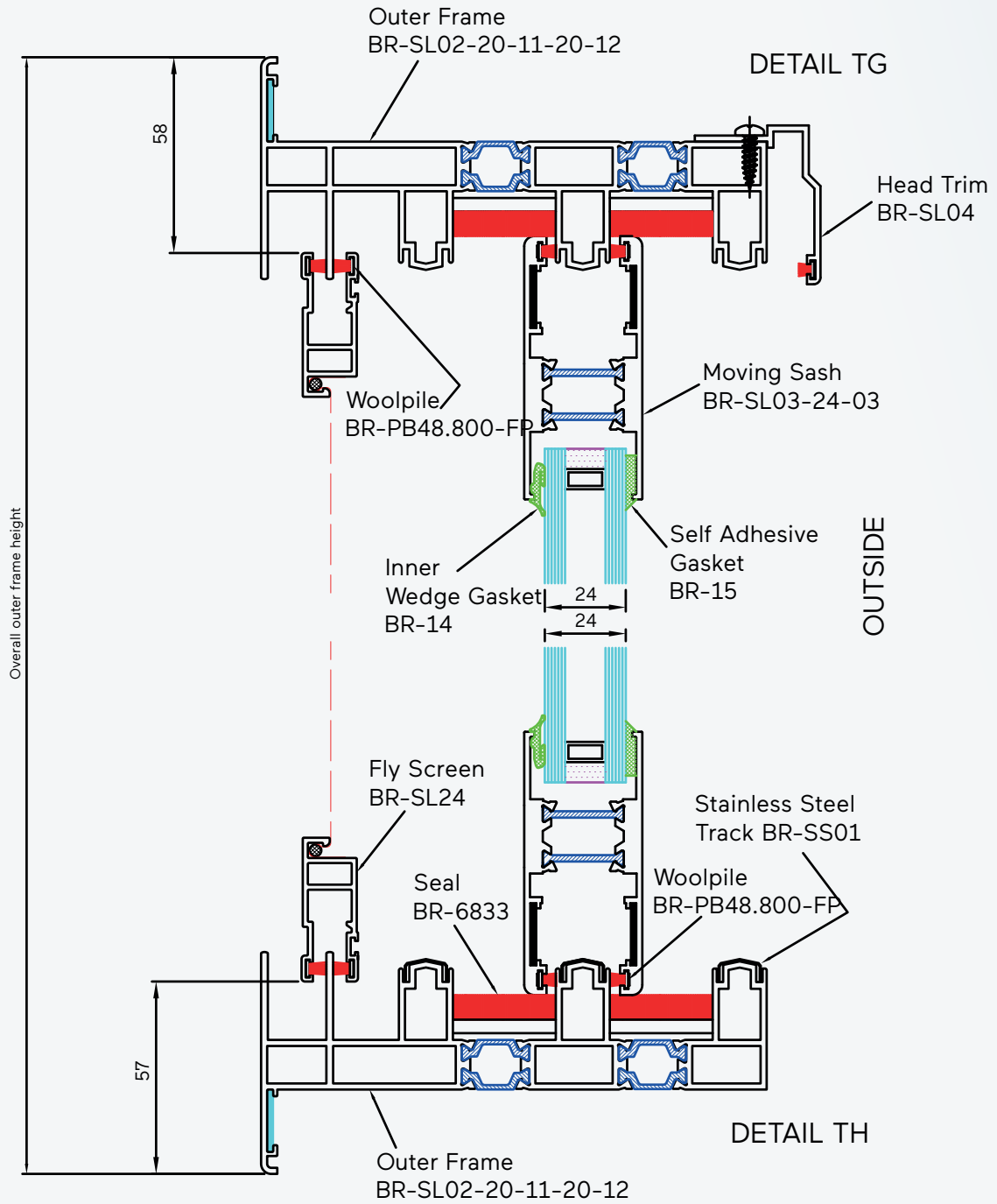
DETAIL J

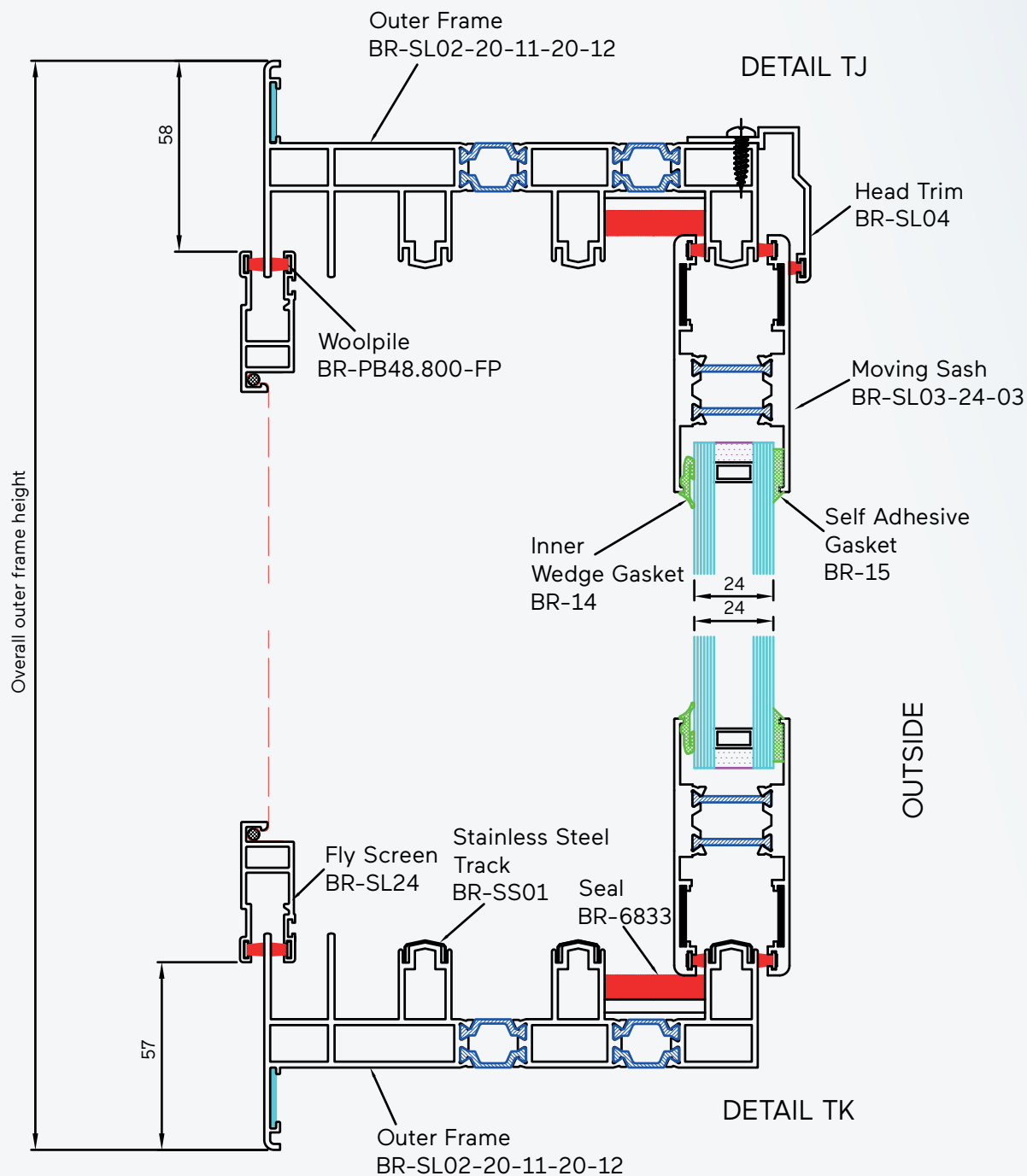
* For glazing options
see section 9 of this manual.

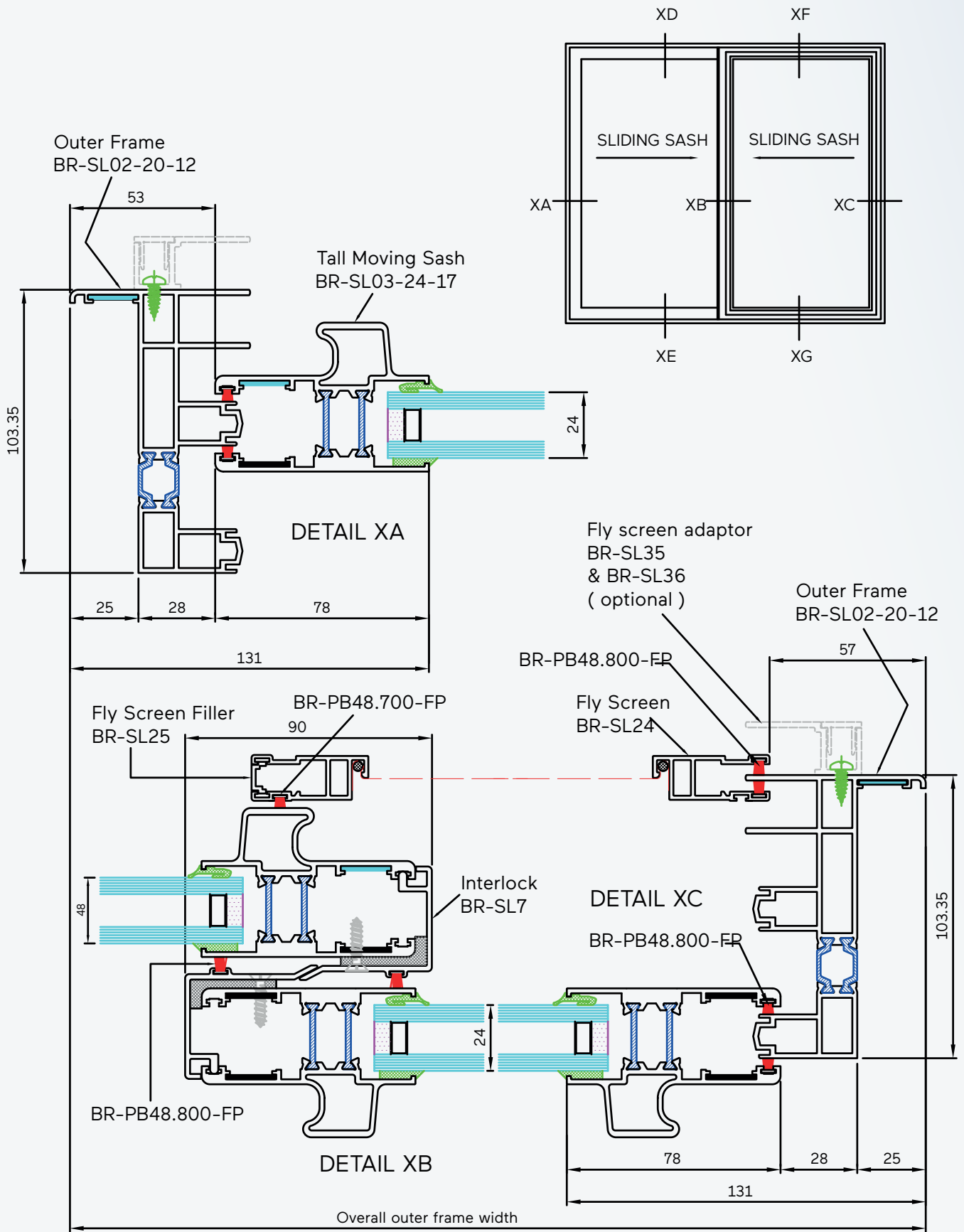


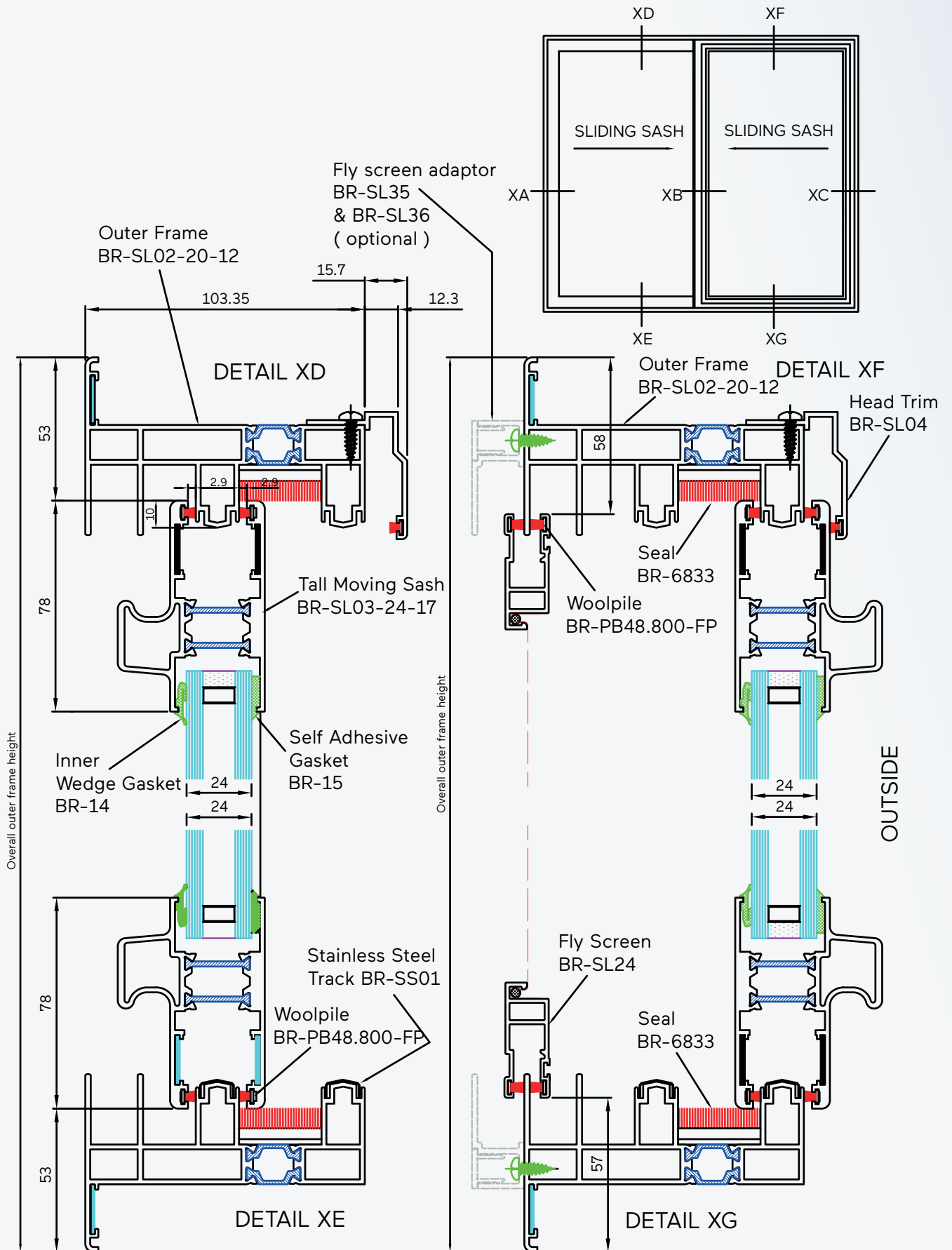


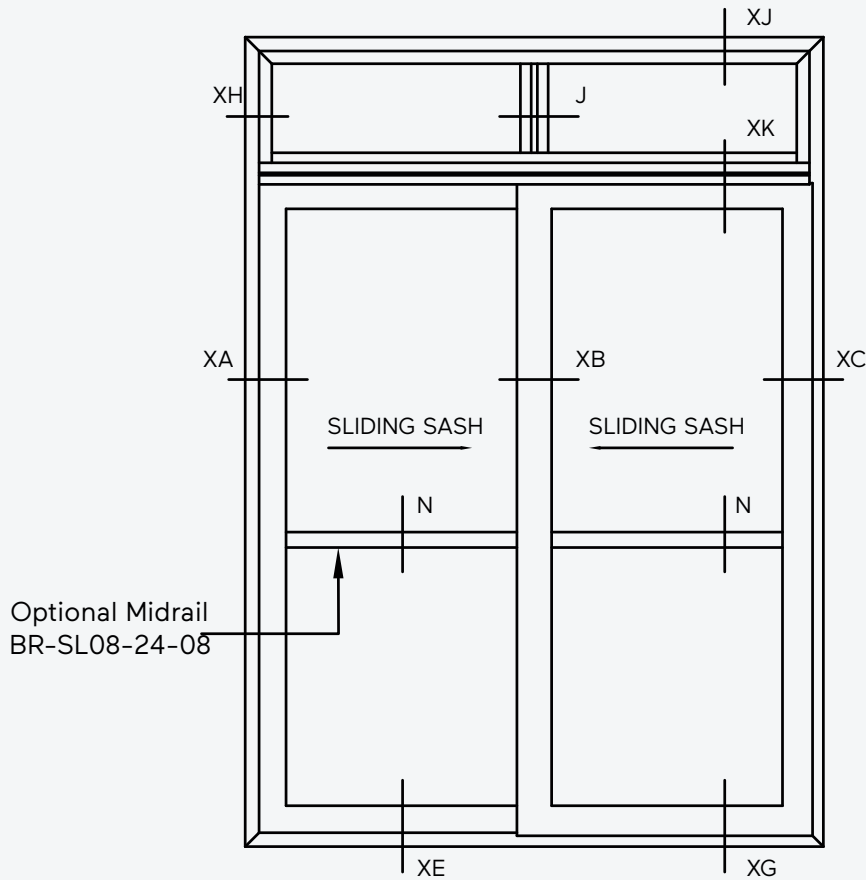




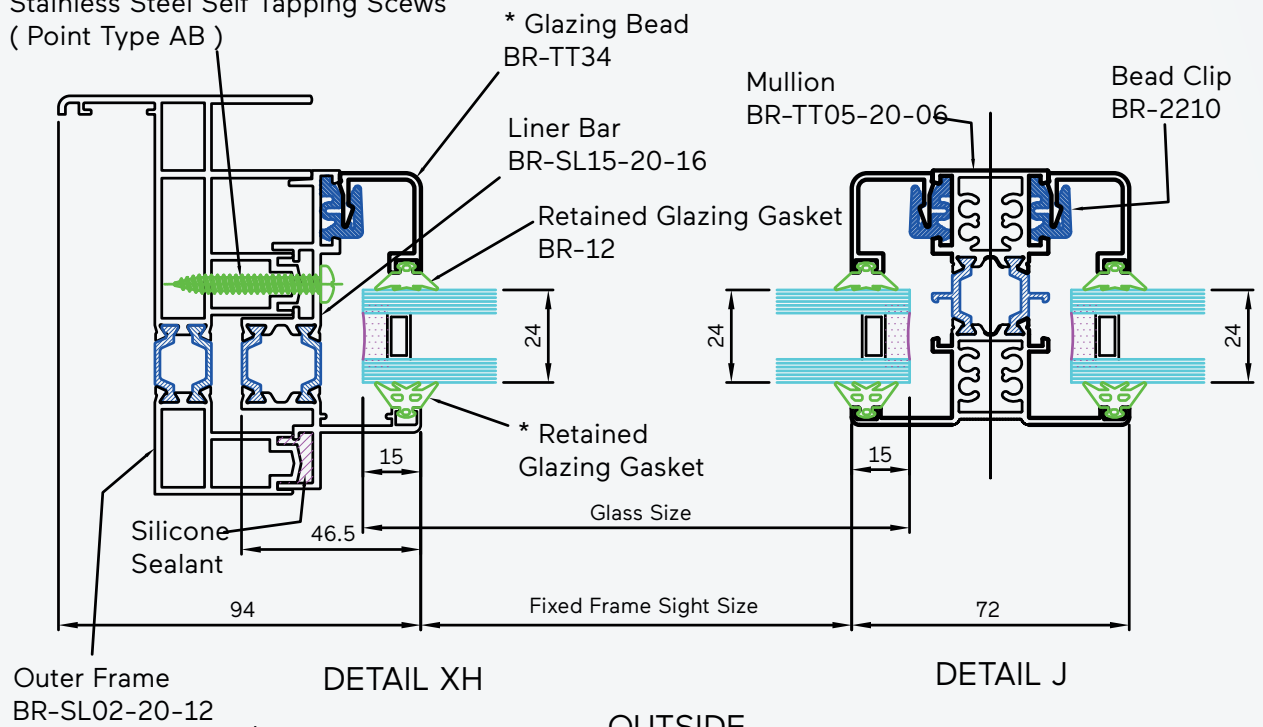




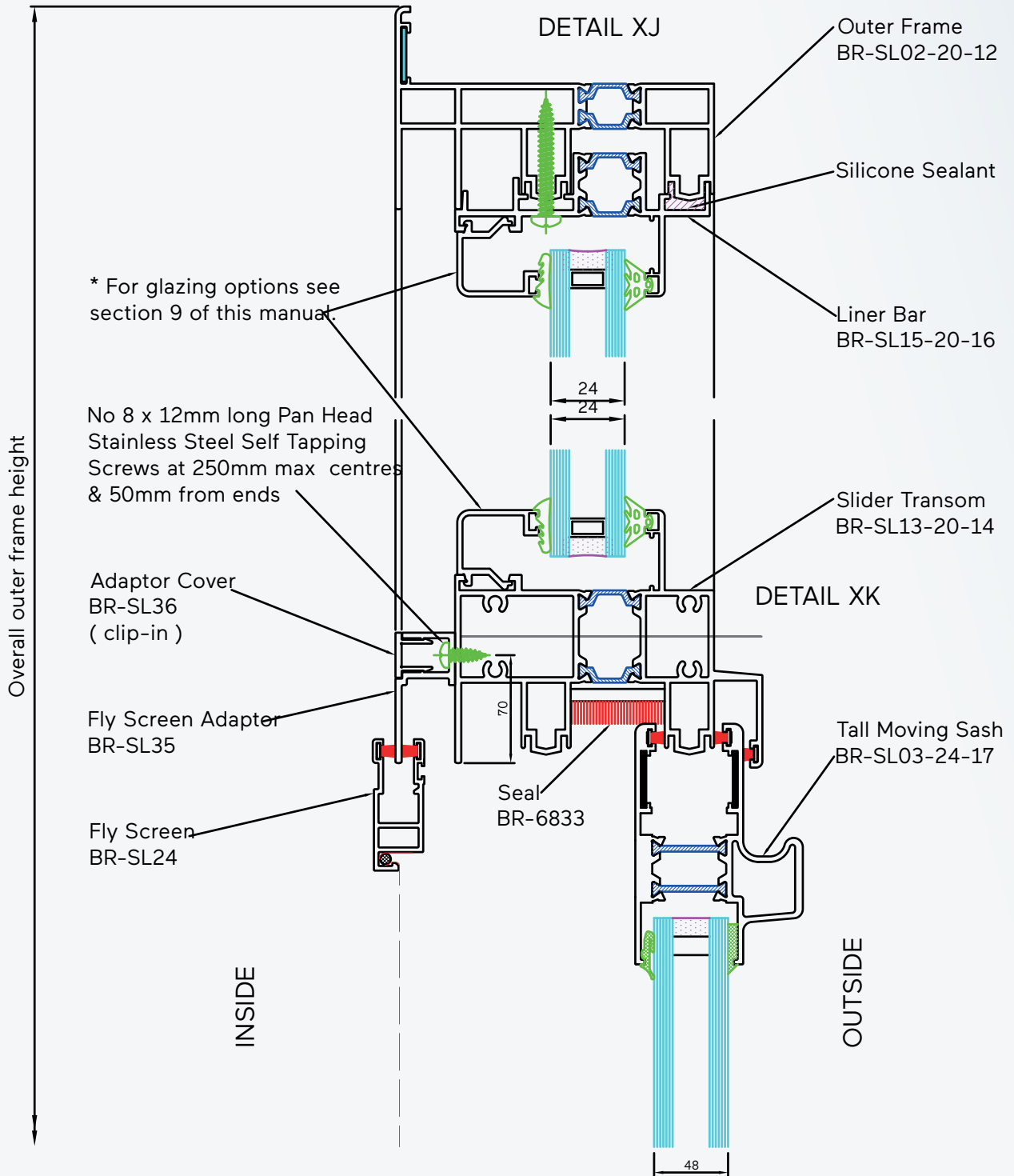


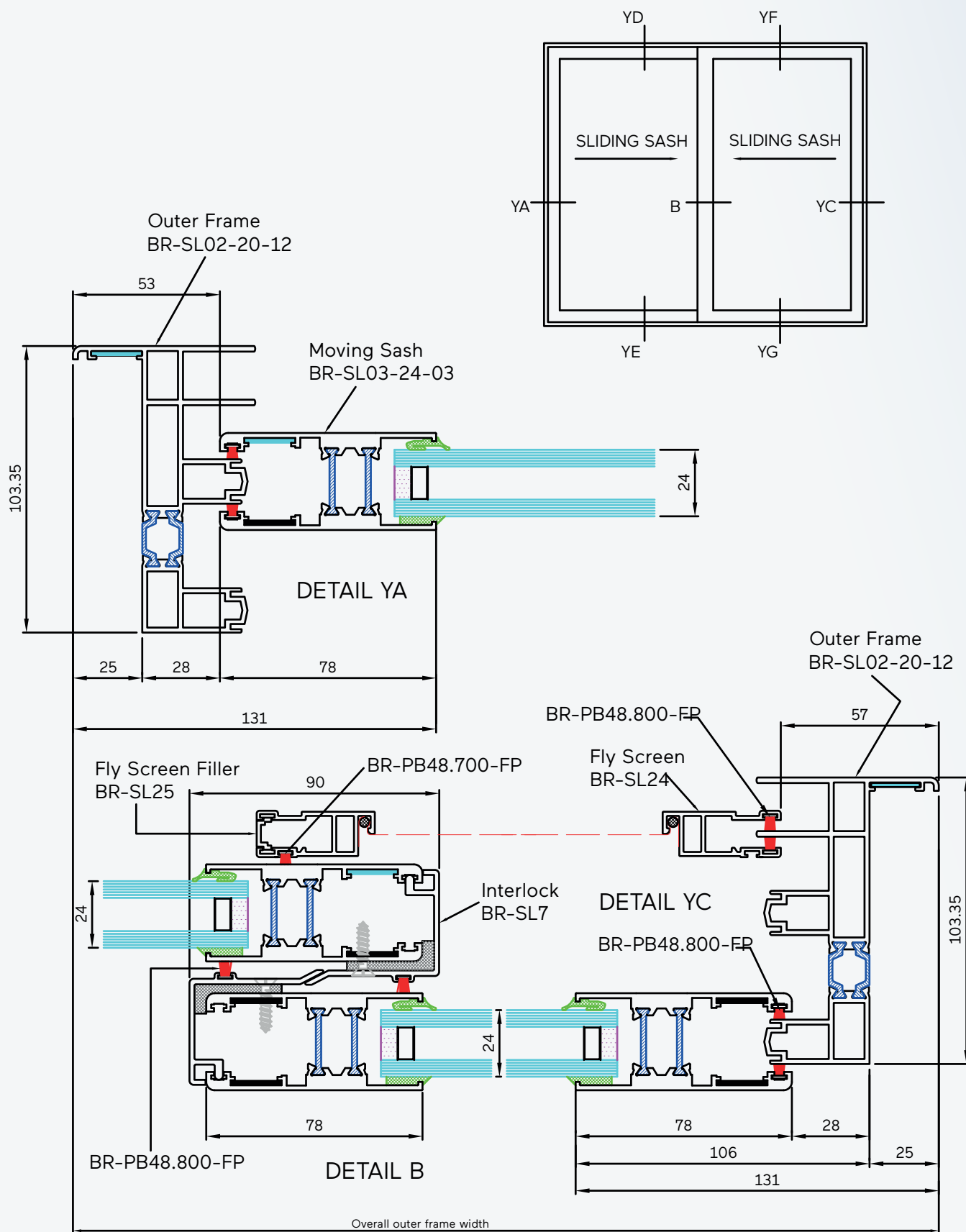


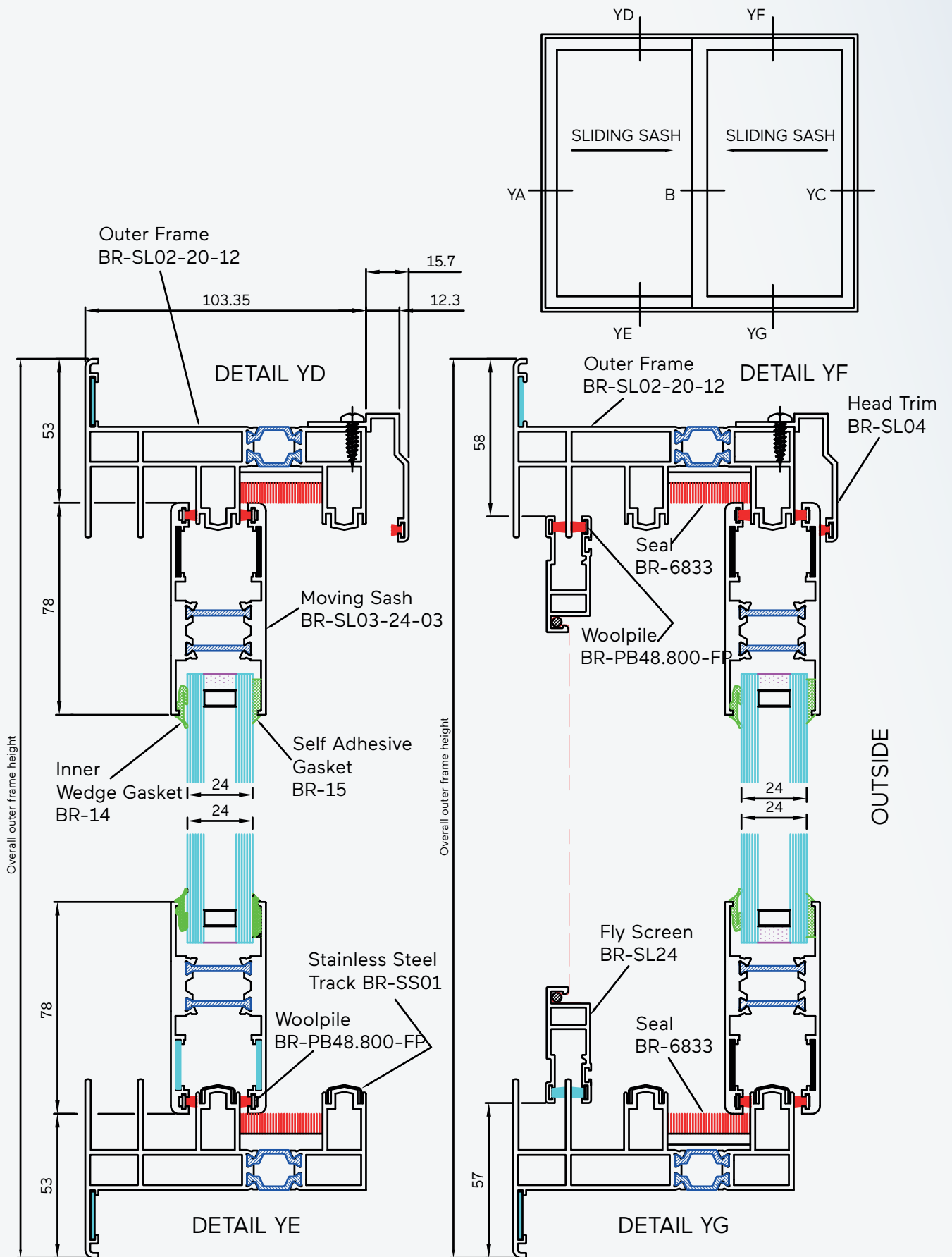
No 10 x 38mm long Pan Head
Stainless Steel Self Tapping Screws
(Point Type AB)

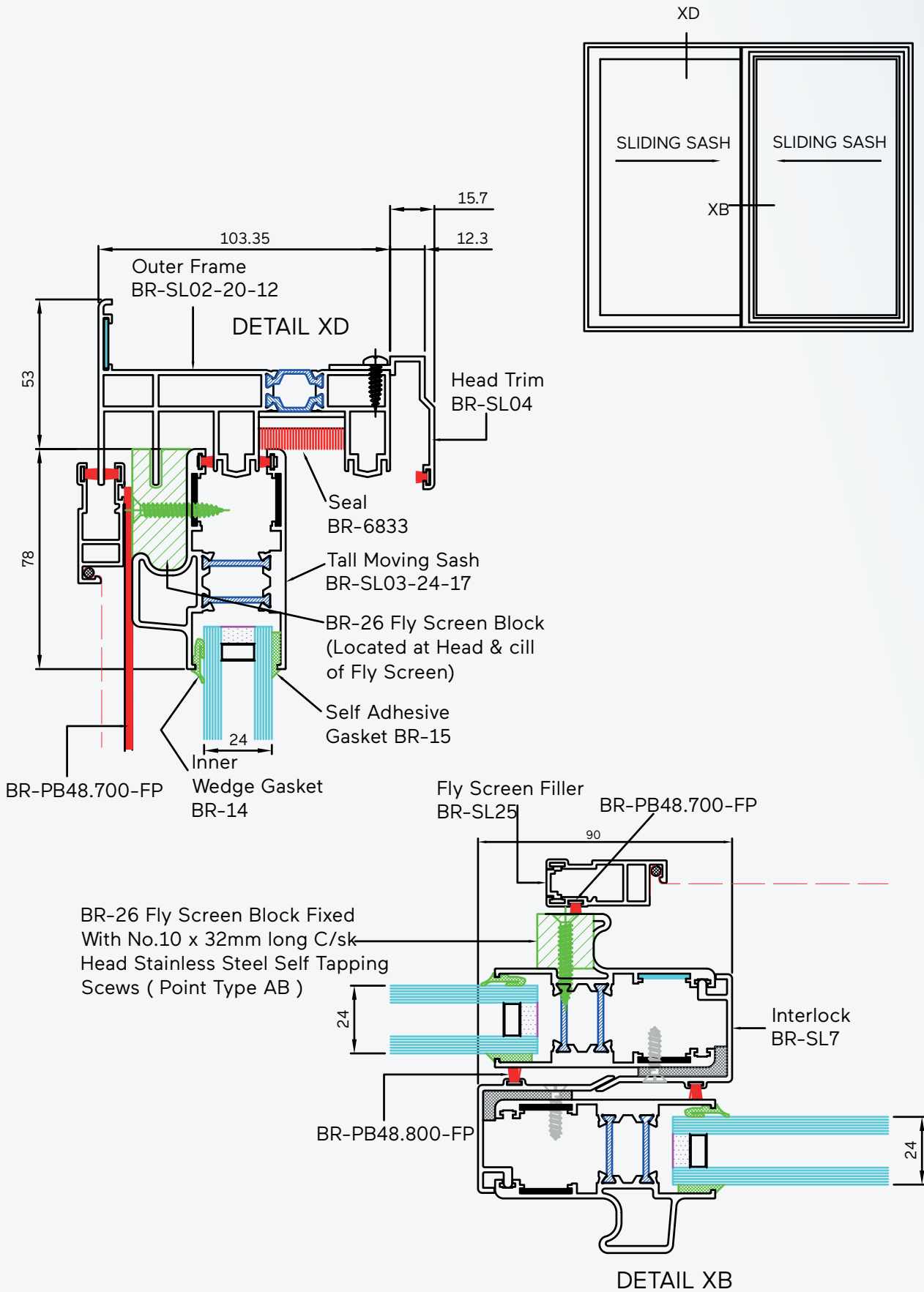


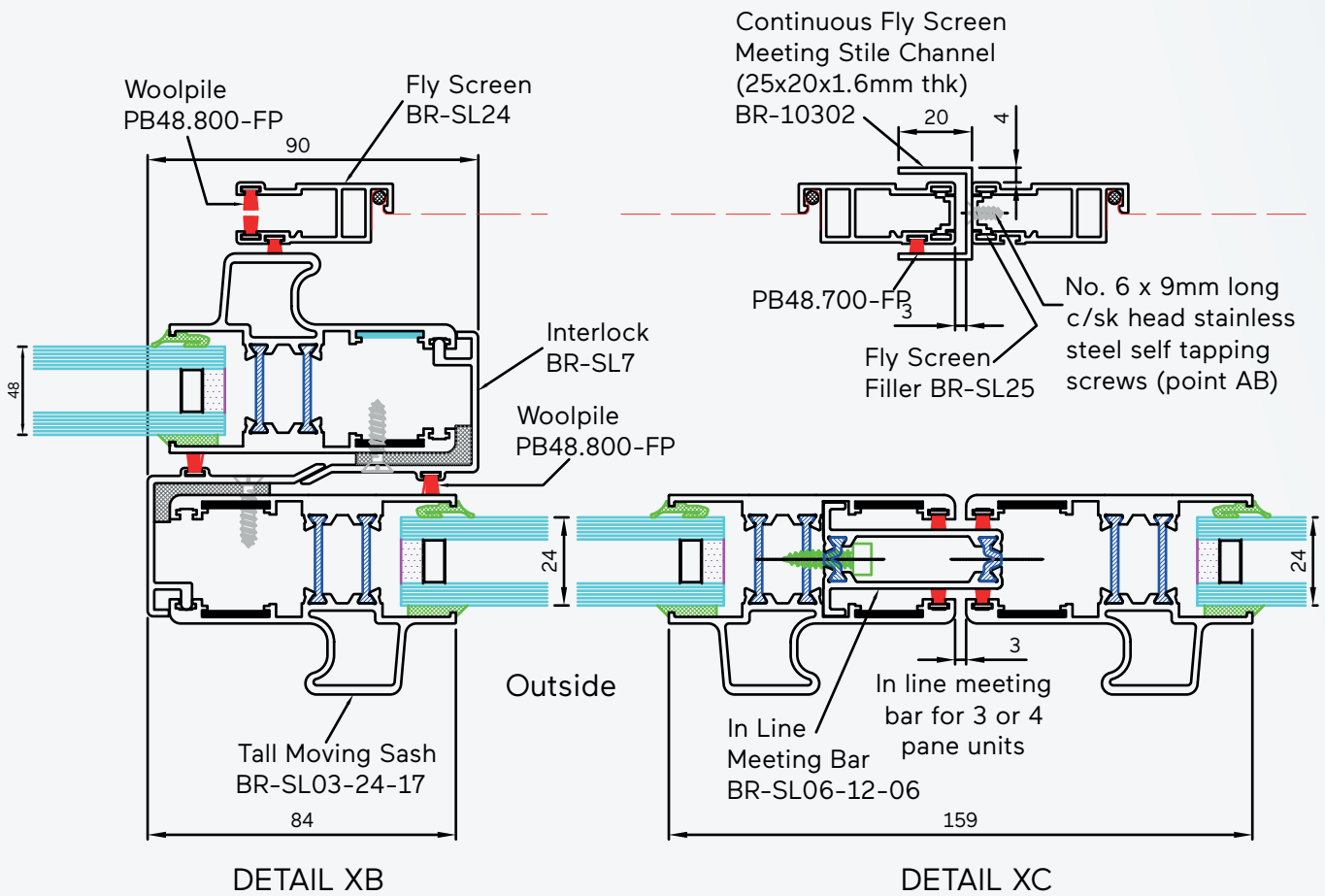
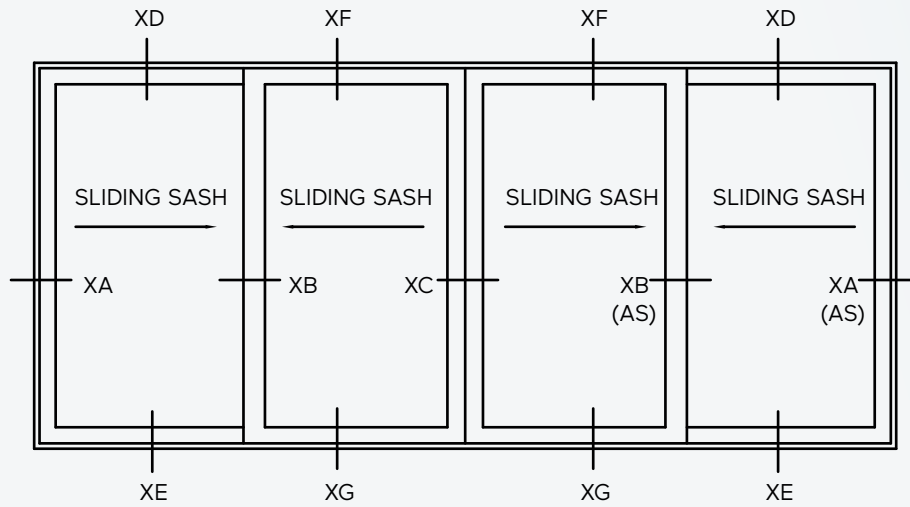
* For glazing options
see section 9 of this manual.







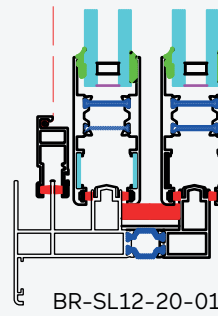
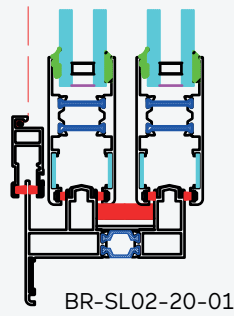




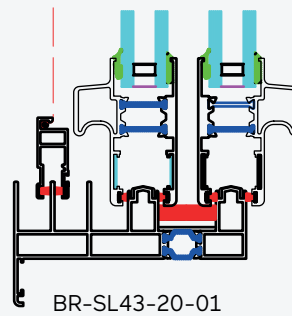
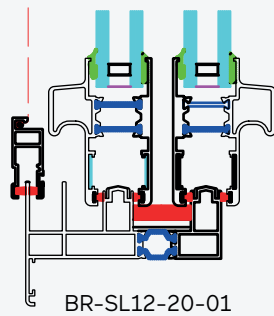
With fly screen edge
Exposed

With fly screen edge
Concealed

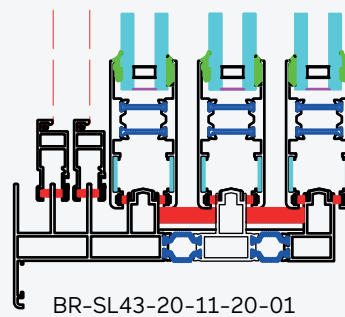
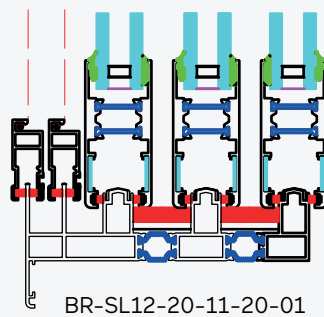
Double Track
Standard Sash



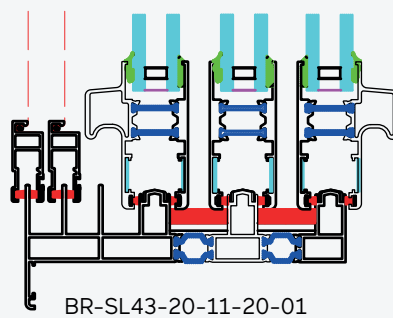
Double Track
Tall Sash



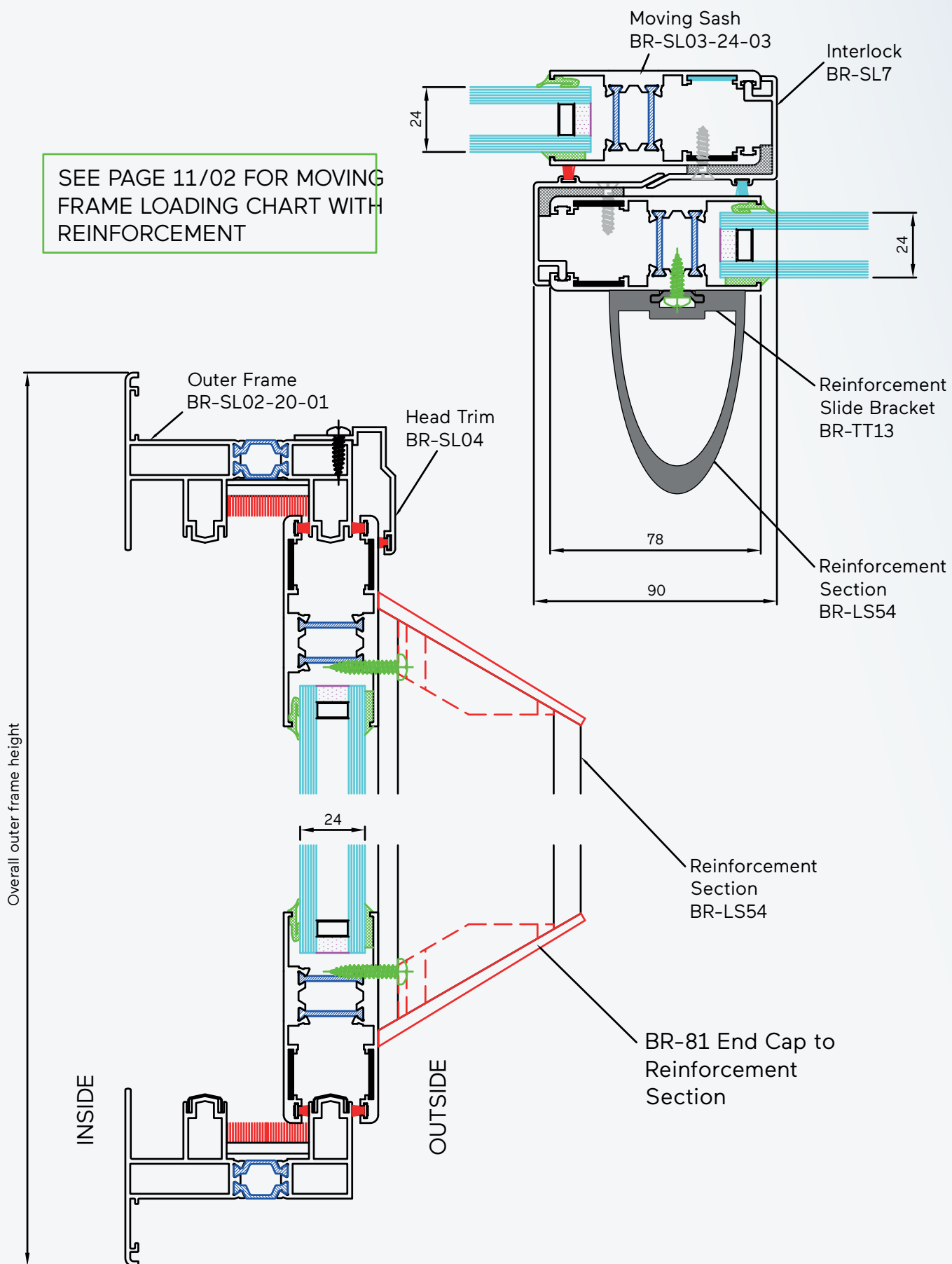
Triple Track
Standard Sash



Triple Track
Tall sash

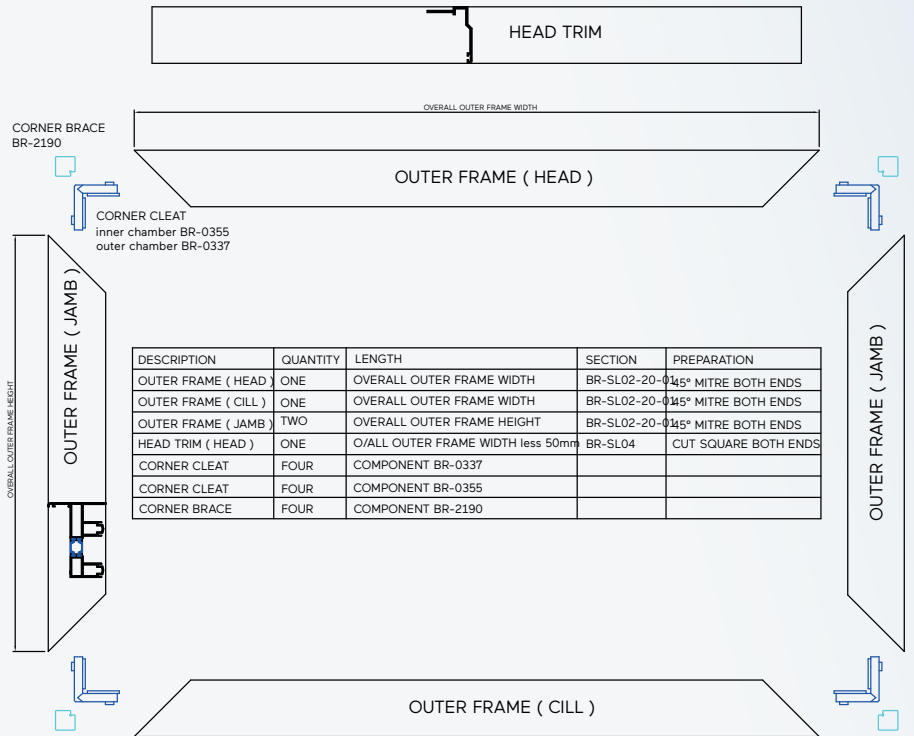
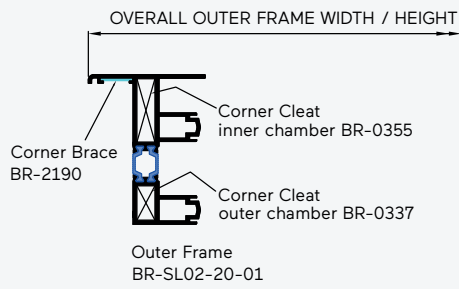


SEE PAGE 11/02 FOR MOVING
FRAME LOADING CHART WITH
REINFORCEMENT



Fabrication & Cutting Sizes

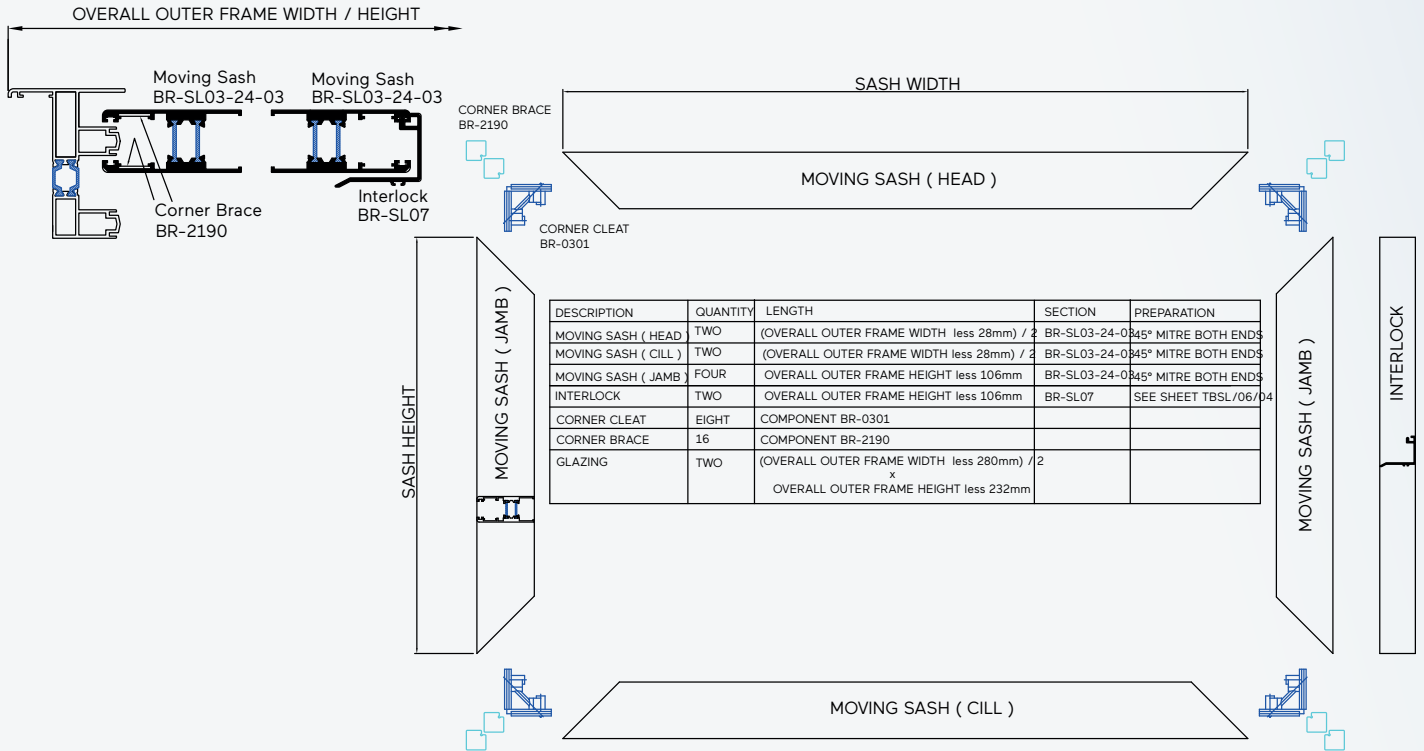
TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY



Not to Scale.

Fabrication & Cutting Sizes

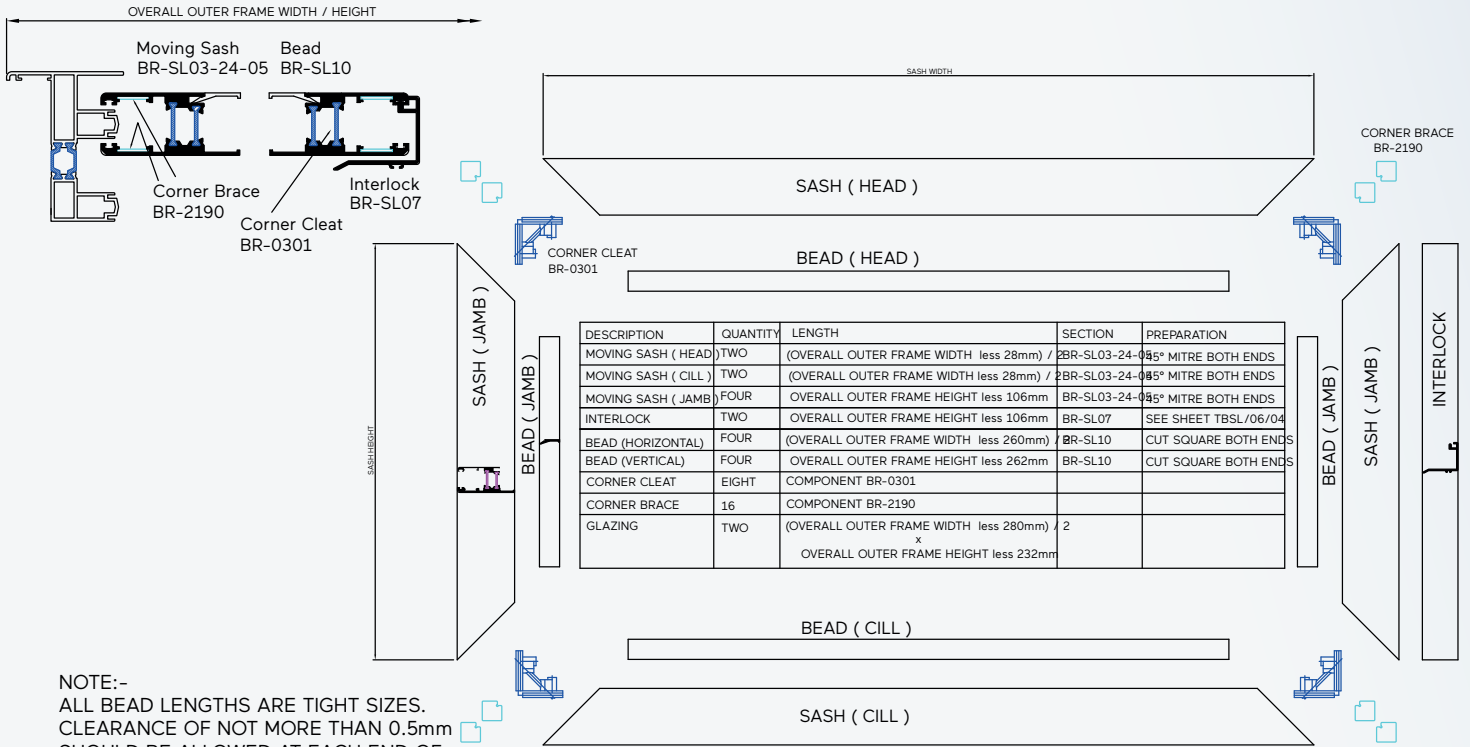
TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (TWO PANE SLIDER WITHOUT BEADS)



Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (TWO PANE SLIDER WITH BEADS)

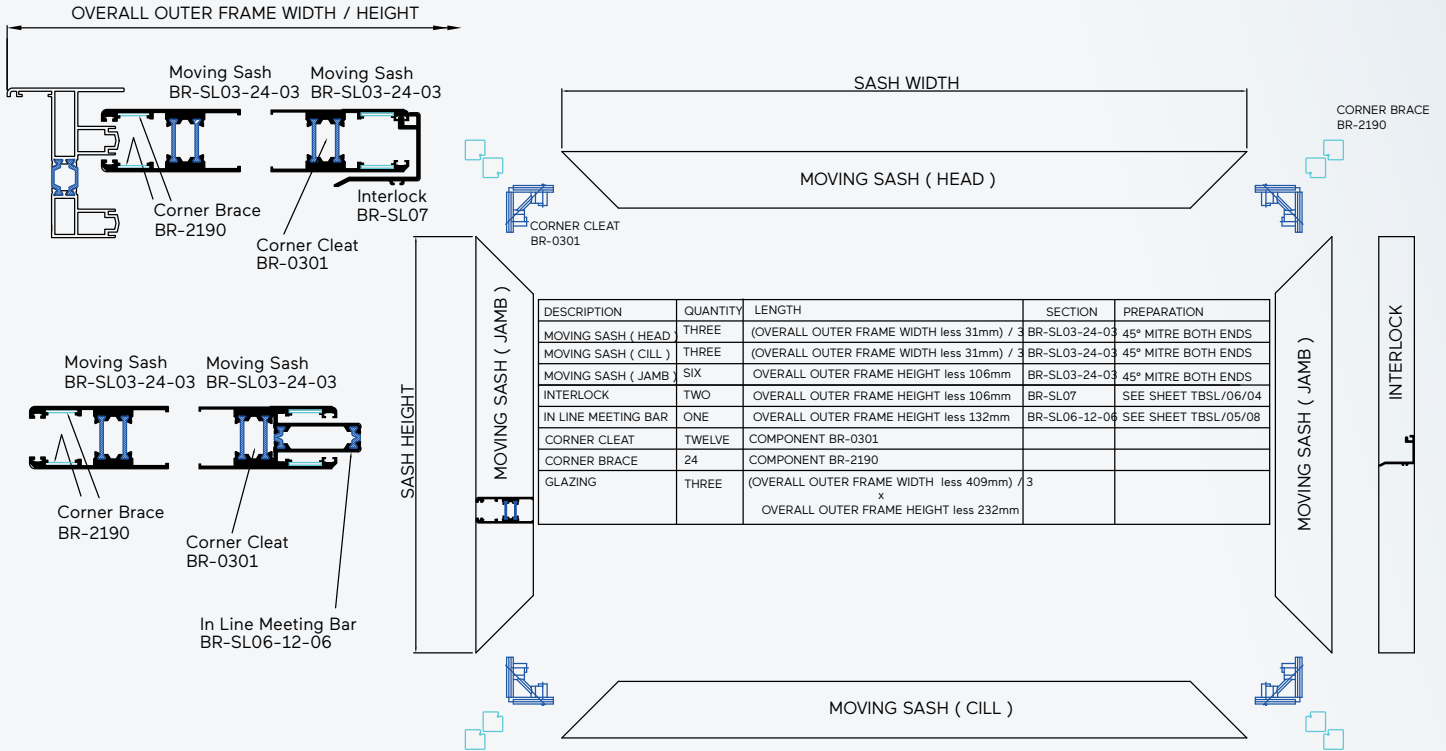


NOTE:-
 ALL BEAD LENGTHS ARE TIGHT SIZES.
 CLEARANCE OF NOT MORE THAN 0.5mm
 SHOULD BE ALLOWED AT EACH END OF
 GLAZING BEADS.

Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (THREE PANE SLIDER WITHOUT BEADS)

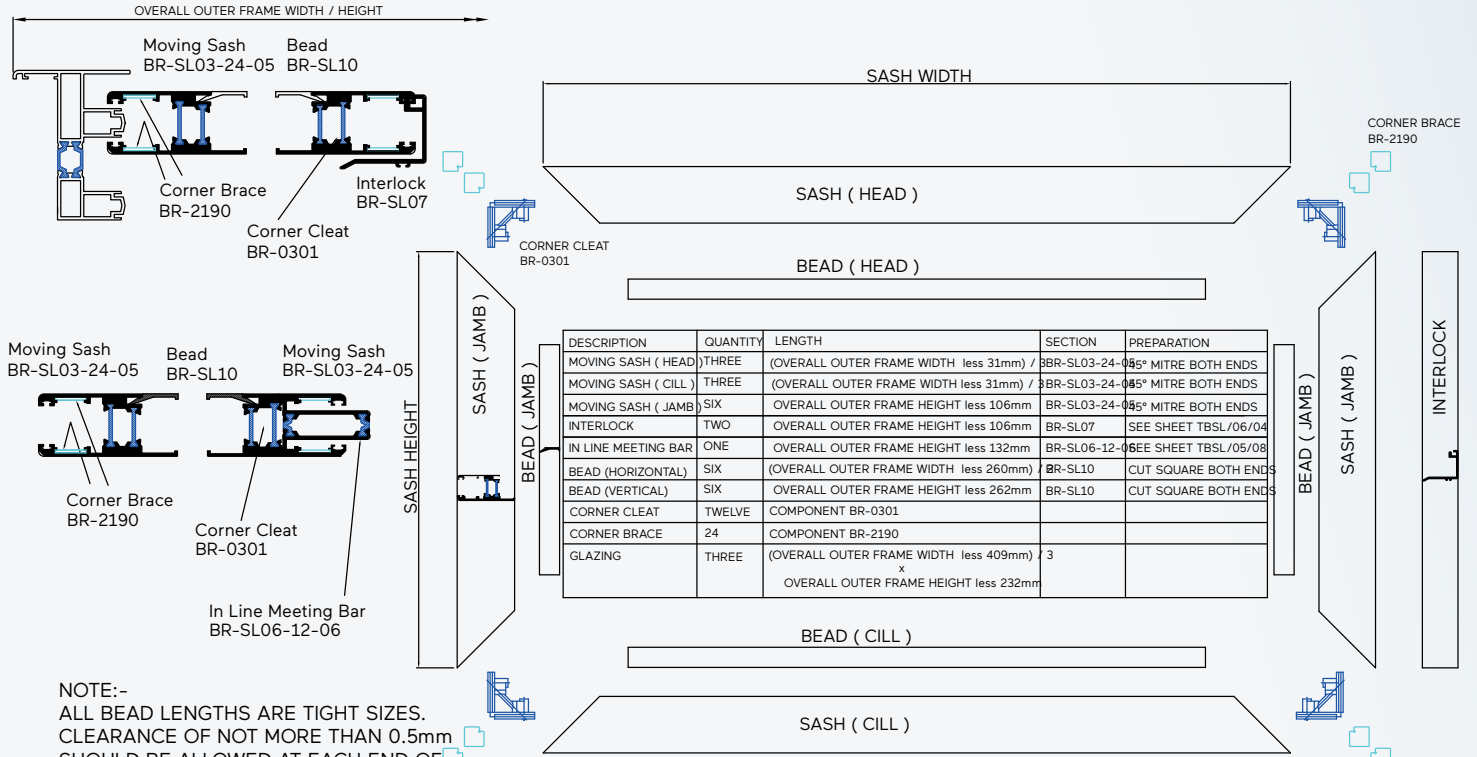


Not to Scale.

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Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (THREE PANE SLIDER WITH BEADS)

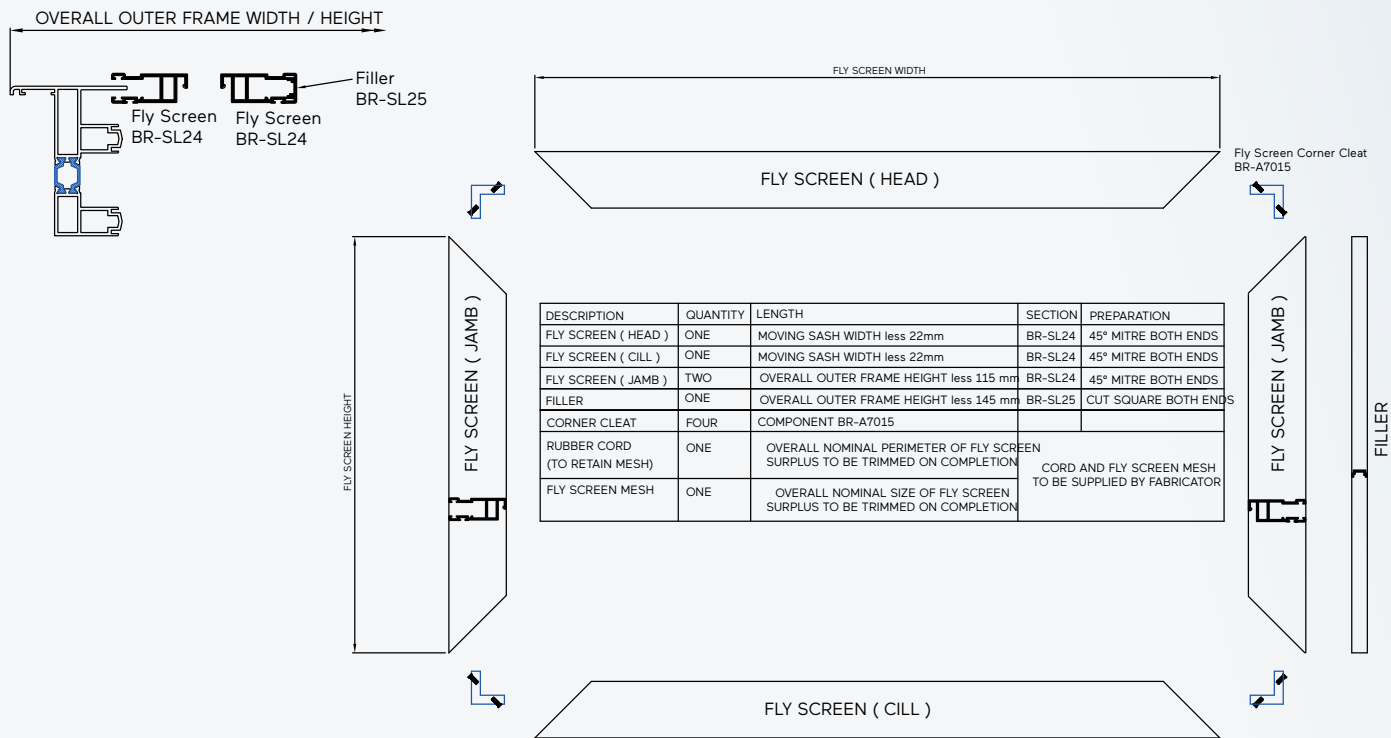


NOTE:-
 ALL BEAD LENGTHS ARE TIGHT SIZES.
 CLEARANCE OF NOT MORE THAN 0.5mm
 SHOULD BE ALLOWED AT EACH END OF
 GLAZING BEADS.

Not to Scale.

Fabrication & Cutting Sizes

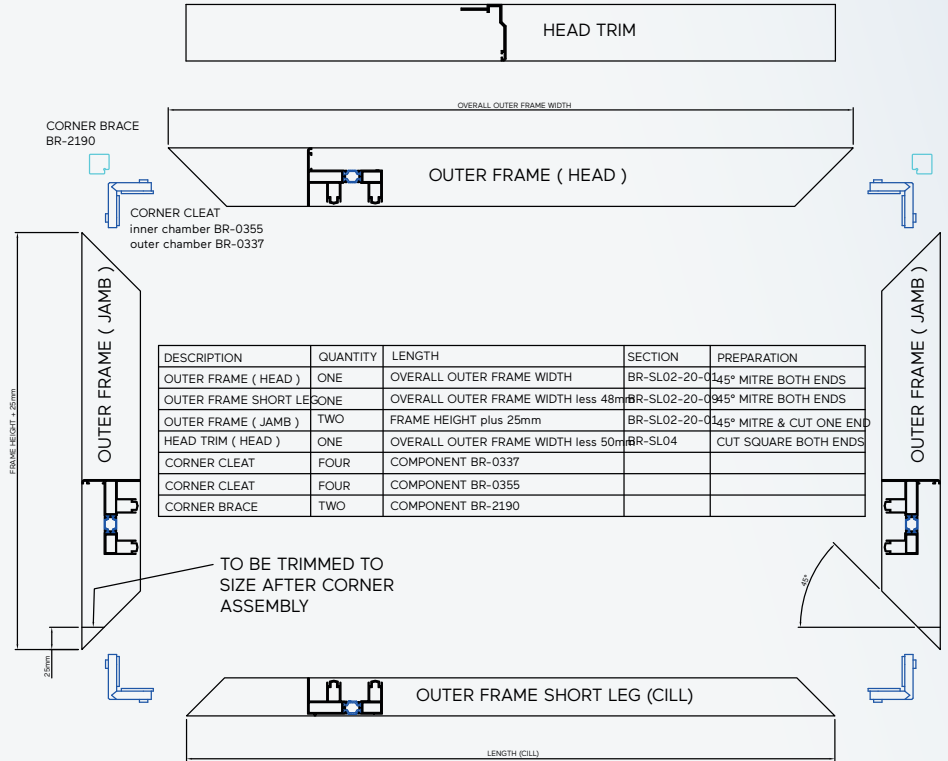
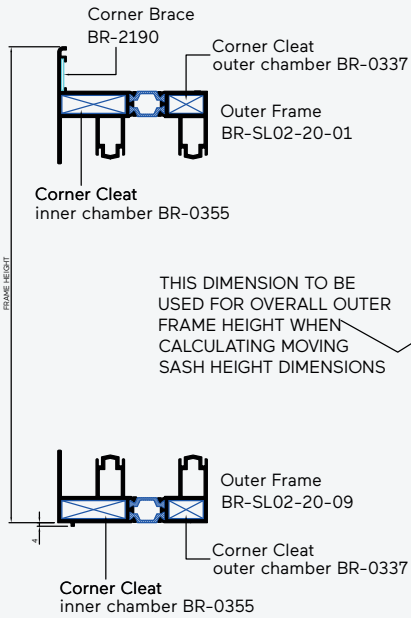
TB-84-SLIDE HORIZONTAL SLIDER
FLY SCREEN - WINDOW ASSEMBLY



Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME (WITH SHORT LEG CILL TO SUIT FIXED LIGHT BELOW) - WINDOW ASSEMBLY

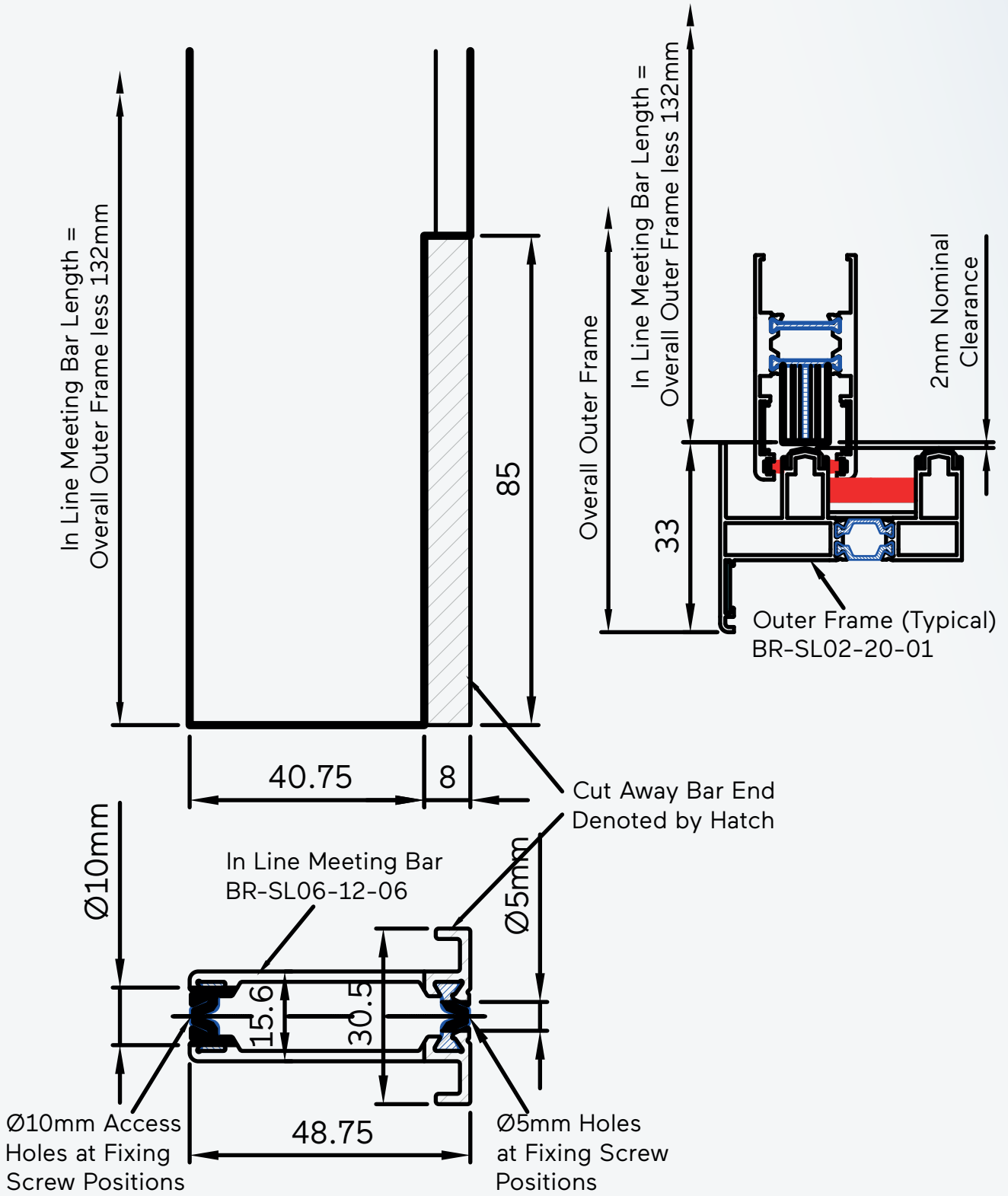


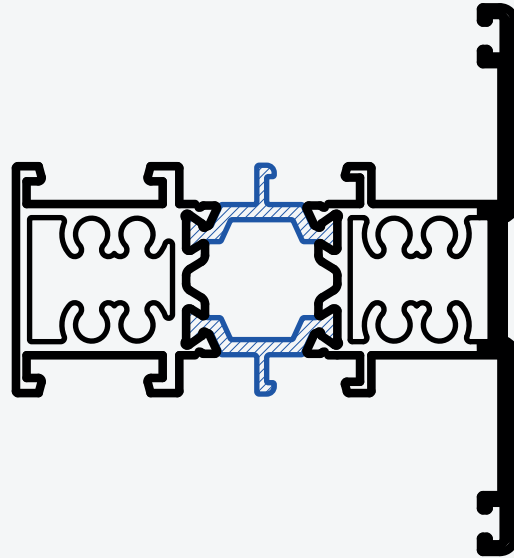
DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
OUTER FRAME (HEAD)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01	45° MITRE BOTH ENDS
OUTER FRAME SHORT LEG	ONE	OVERALL OUTER FRAME WIDTH less 48mm	BR-SL02-20-09	45° MITRE BOTH ENDS
OUTER FRAME (JAMB)	TWO	FRAME HEIGHT plus 25mm	BR-SL02-20-01	45° MITRE & CUT ONE END
HEAD TRIM (HEAD)	ONE	OVERALL OUTER FRAME WIDTH less 50mm	BR-SL04	CUT SQUARE BOTH ENDS
CORNER CLEAT	FOUR	COMPONENT BR-0337		
CORNER CLEAT	FOUR	COMPONENT BR-0355		
CORNER BRACE	TWO	COMPONENT BR-2190		

Not to Scale.

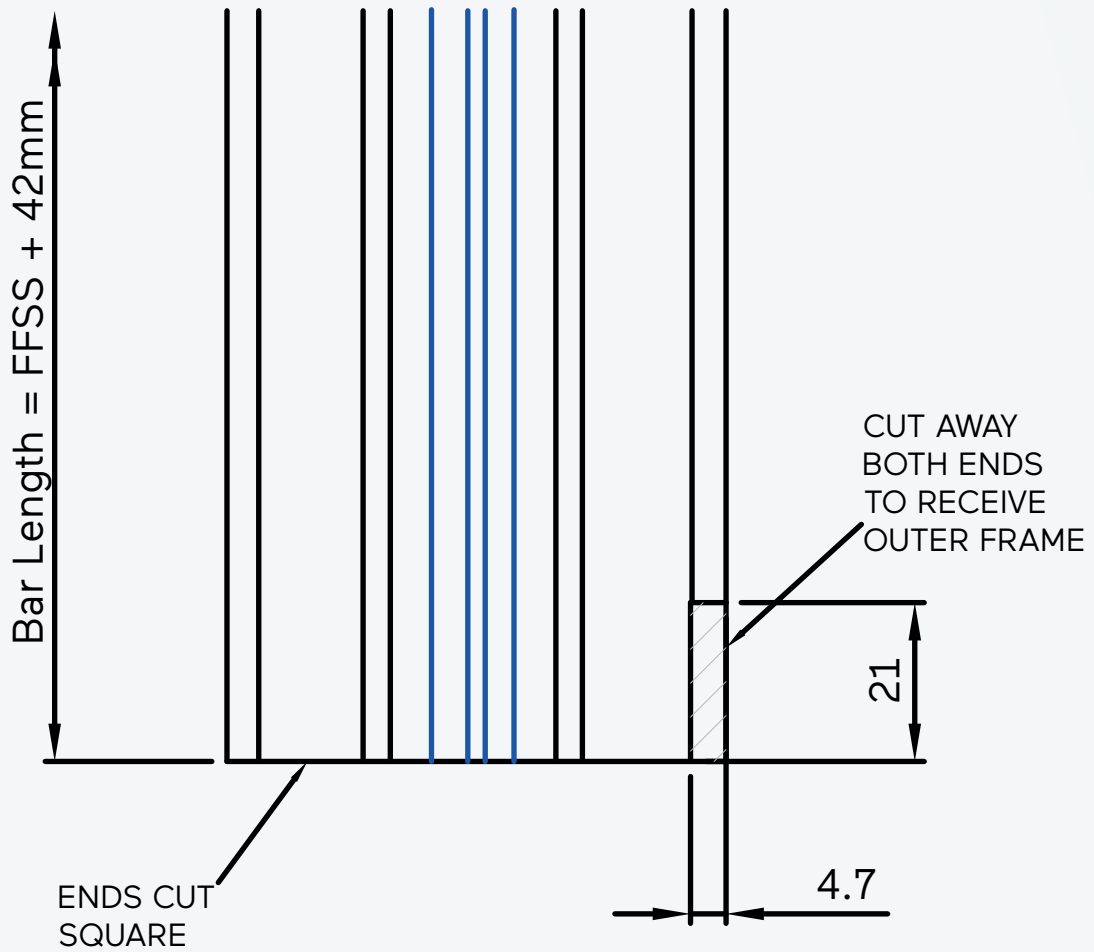
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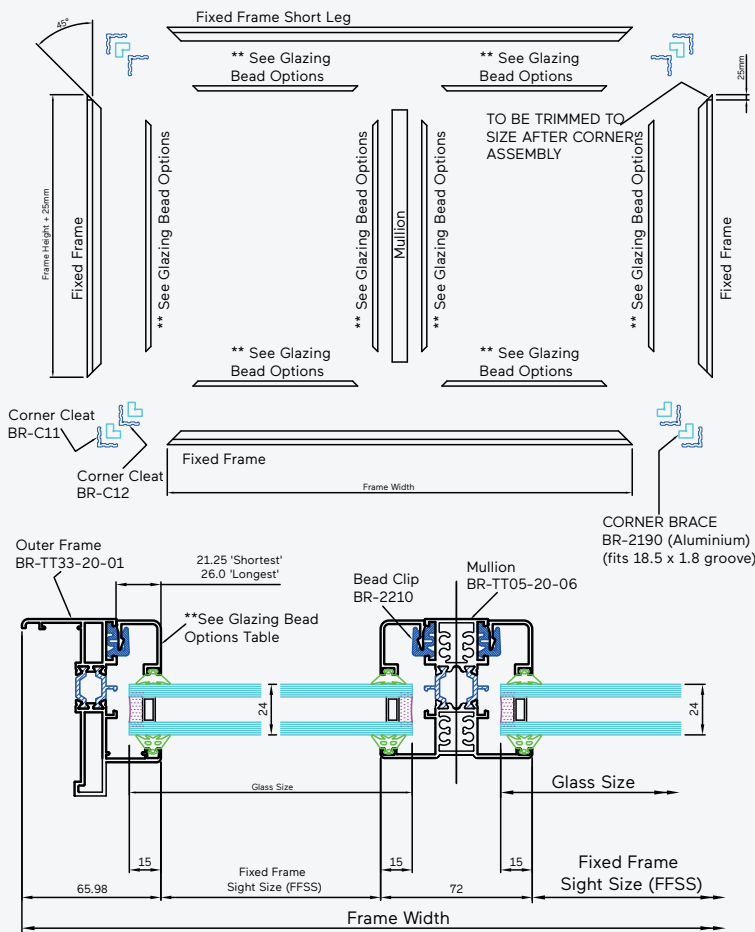
For details of Fixed Light below see sheet TBSL/05/10



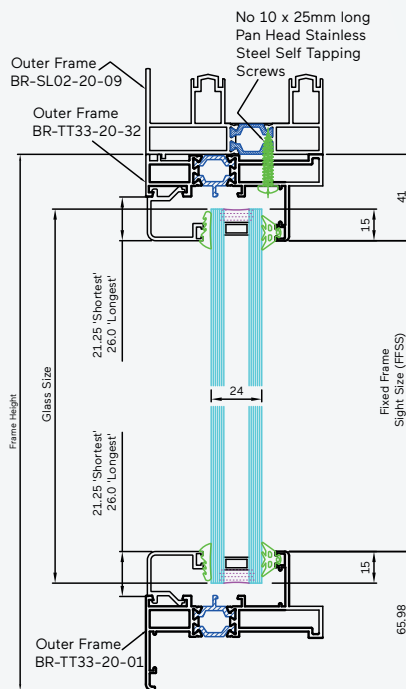


MULLION /
TRANSOM
BR-TT05-20-06





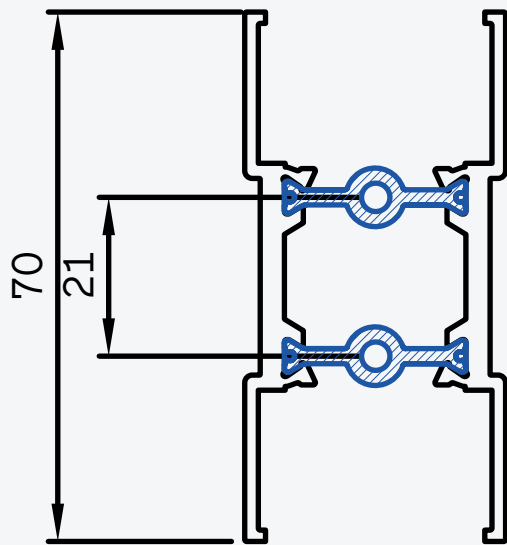
DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
FIXED FRAME (HEAD)	ONE	FRAME WIDTH less 50mm	BR-TT33-20-32	45° MITRE BOTH ENDS
FIXED FRAME (CILL)	ONE	FRAME WIDTH	BR-TT33-20-01	45° MITRE BOTH ENDS
FIXED FRAME (JAMB)	TWO	FRAME HEIGHT plus 25mm	BR-TT33-20-01	45° MITRE BOTH ENDS
MULLION	ONE	FFSS plus 42mm	BR-TT05-20-06	see prep Sht TBSL/05/09
BEAD 'Shortest' EDGE	FOUR	FFSS + 42.5mm	**SEE TABLE BELOW	45° MITRE BOTH ENDS
BEAD 'Longest' EDGE	FOUR	FFSS + 52mm	**SEE TABLE BELOW	45° MITRE BOTH ENDS
CORNER CLEAT	FOUR	COMPONENT BR-C18		
CORNER BRACE	SIX	COMPONENT BR-2190		
GLASS	TWO	FFSS + 30mm		



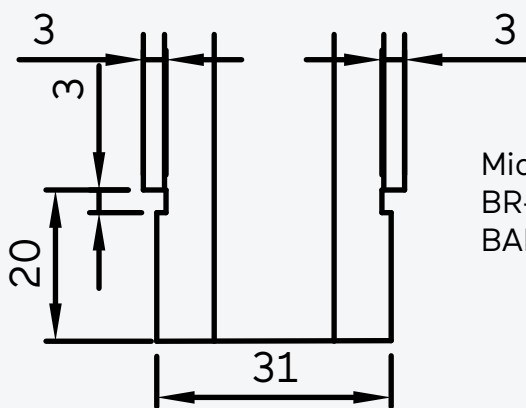
* For glazing options see sheet No. TBSL/09/03

**GLAZING BEAD OPTIONS TABLE		
Glazing Thickness	'Shortest' Frame Edge (Bead)	'Longest' Frame Edge (Bead)
24mm	BR-TT34	BR-TT71

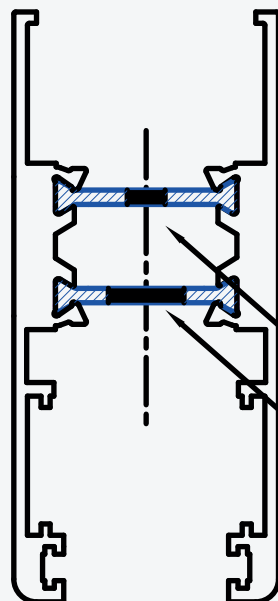
NOTE :- ALL BEAD LENGTHS ARE TIGHT SIZES. CLEARANCE OF NOT MORE THAN 0.5mm SHOULD BE ALLOWED AT EACH END OF GLAZING BEAD.



Mid-Rail
BR-SL08-24-08



Mid-Rail
BR-SL08-24-08
BAR END PREP

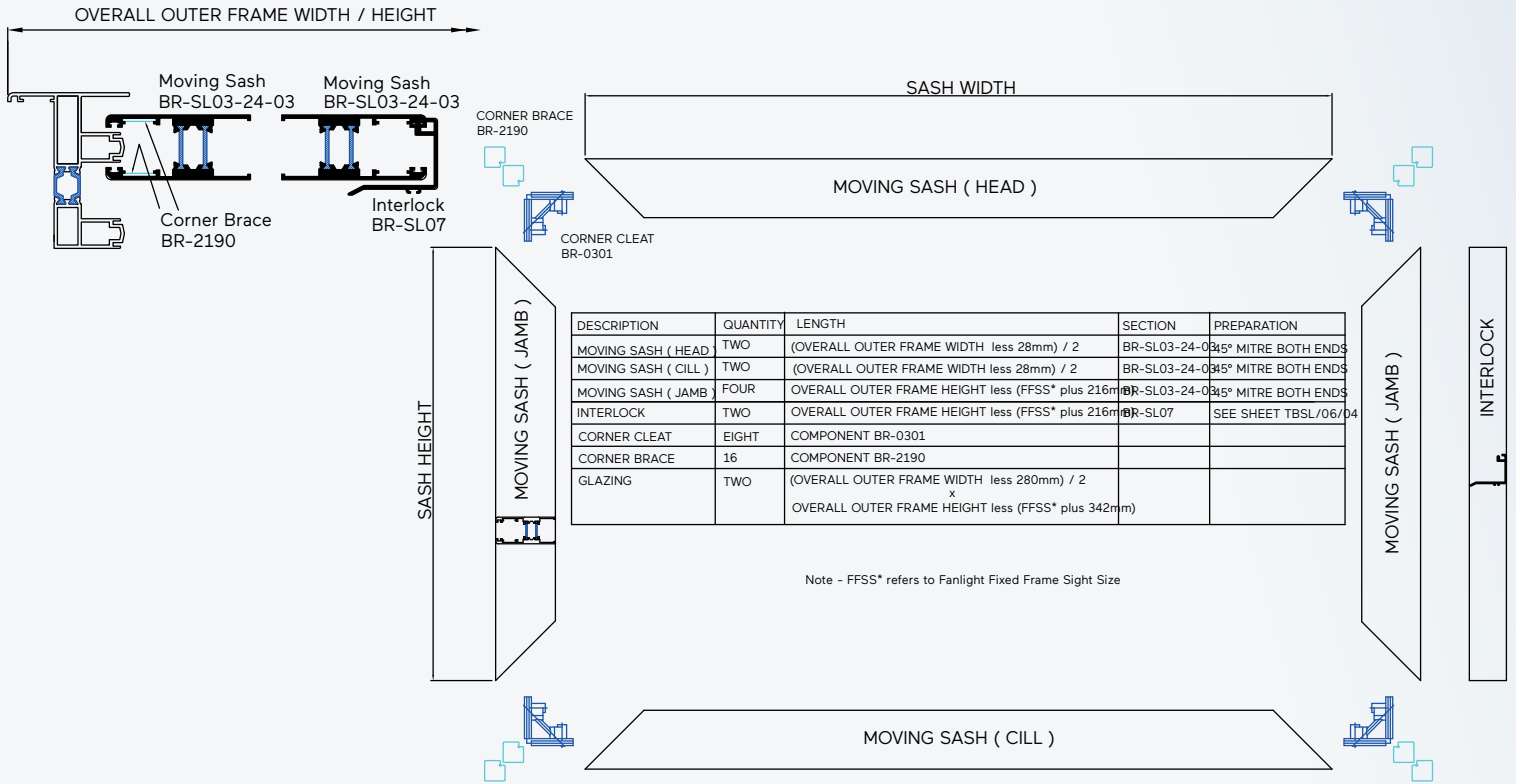


Moving Sash
BR-SL03-24-03

- 2 No Ø5 CLEARANCE HOLES @ 21mm CENTRES
- 2 No Ø10 ACCESS HOLES @ 21mm CENTRES

Fabrication & Cutting Sizes

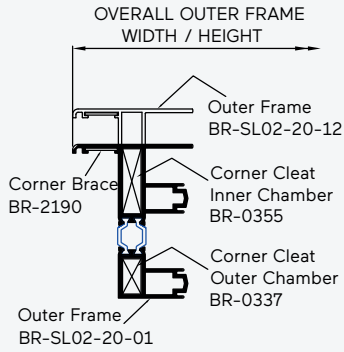
TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (TWO PANE SLIDER WITH FANLIGHT & WITHOUT BEADS)



Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY
 (TWO PANE SLIDER WITH FANLIGHT)



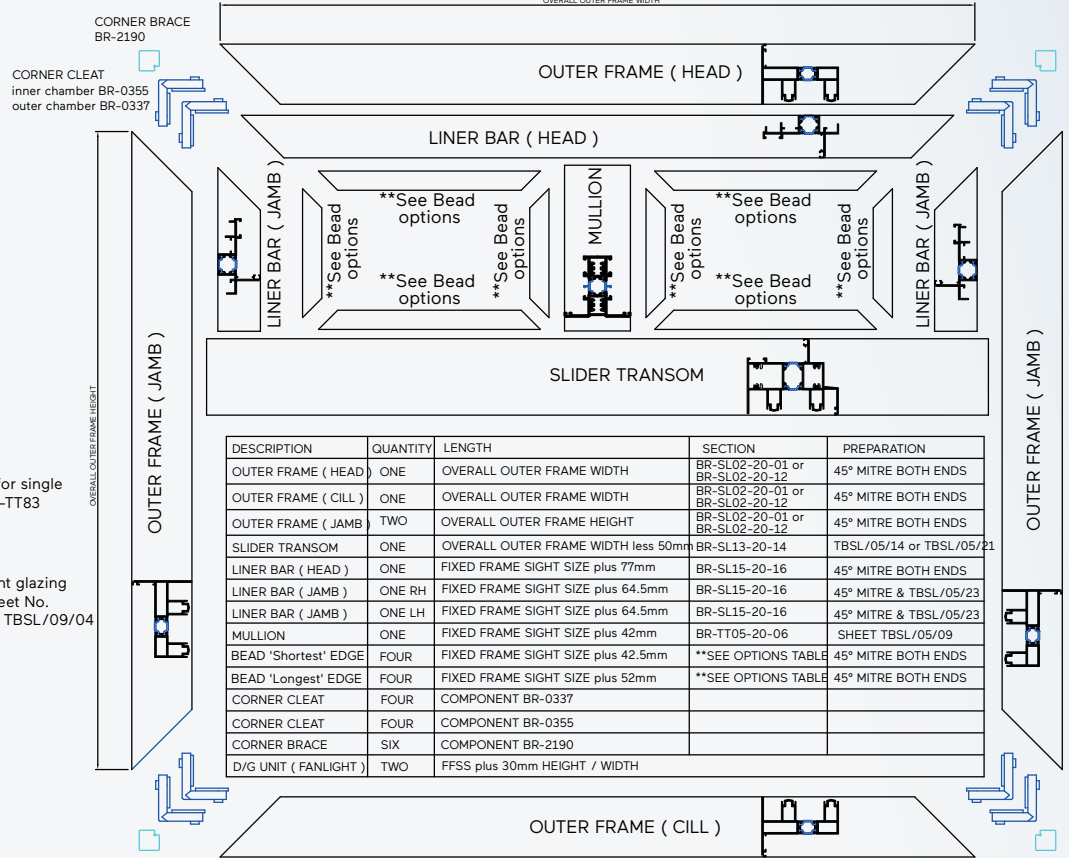
see sheet No. TBSL/05/?? for single glazing make up section BR-TT83 fabrication & cutting sizes

NOTE :-
 ALL BEAD LENGTHS ARE TIGHT SIZES. CLEARANCE OF NOT MORE THAN 0.5mm SHOULD BE ALLOWED AT EACH END OF GLAZING BEAD.
 * For Fixed Light glazing options see sheet No. TBSL/09/03 & TBSL/09/04

**GLAZING BEAD OPTIONS TABLE		
Glazing Thickness	'Shortest' Frame Edge (Bead)	'Longest' Frame Edge (Bead)
26mm	BR-TT34	BR-TT71
24mm	BR-TT34	BR-TT71
12mm	BR-TT70	BR-TT71
10mm	BR-TT70	BR-TT71
8mm	BR-TT28	BR-TT82
6mm	BR-TT28	BR-TT82

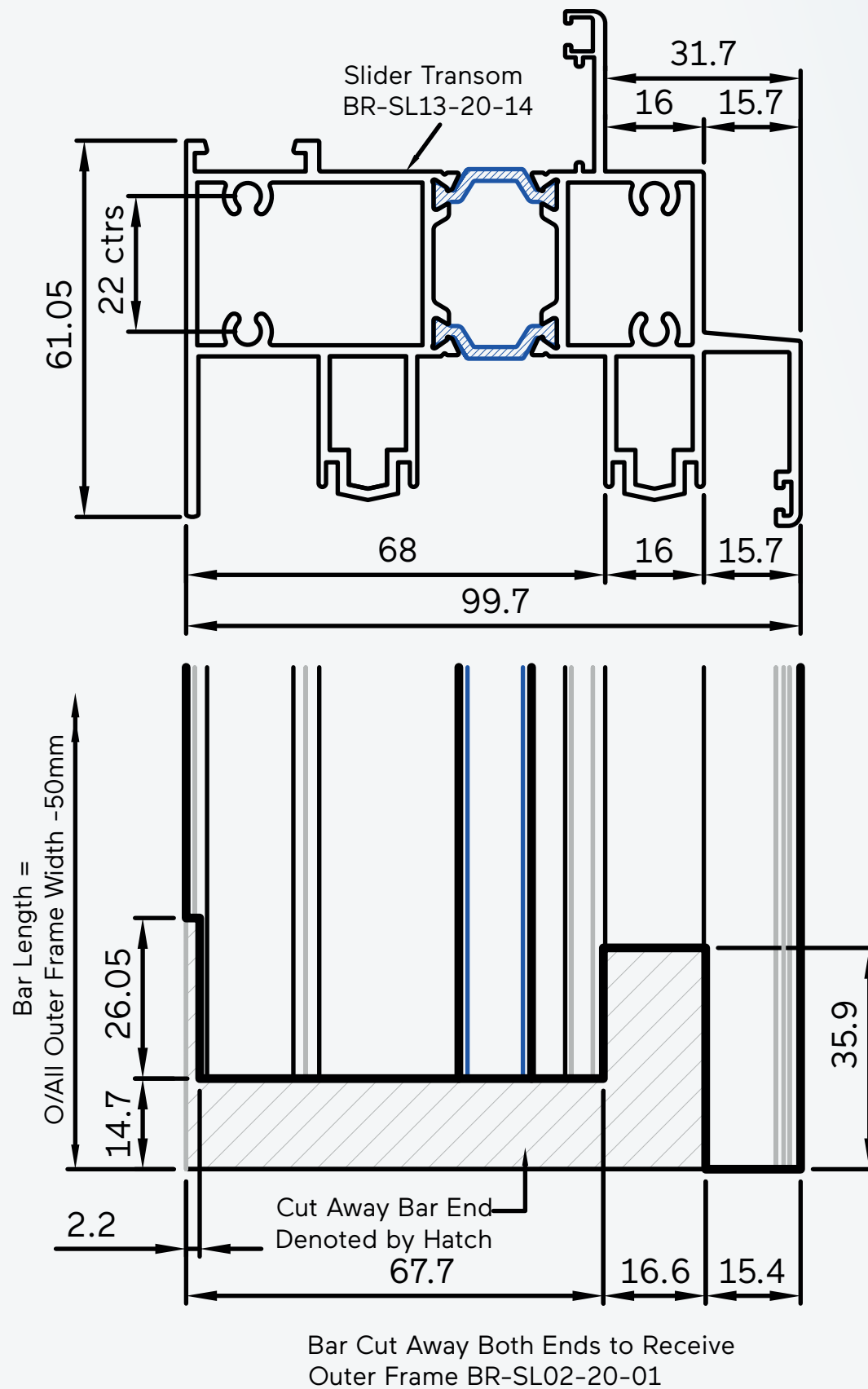
Not to Scale.

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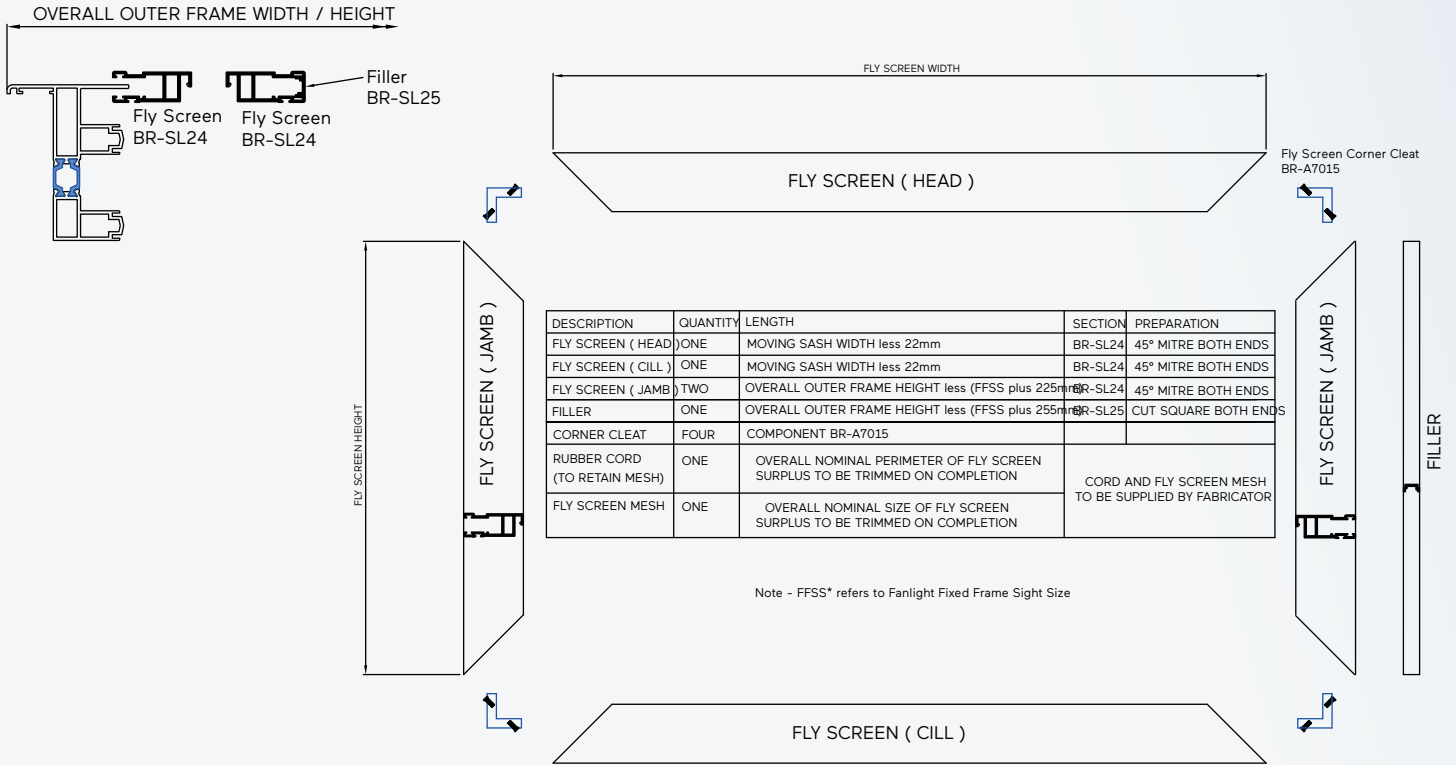
DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
OUTER FRAME (HEAD)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01 or BR-SL02-20-12	45° MITRE BOTH ENDS
OUTER FRAME (CILL)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01 or BR-SL02-20-12	45° MITRE BOTH ENDS
OUTER FRAME (JAMB)	TWO	OVERALL OUTER FRAME HEIGHT	BR-SL02-20-01 or BR-SL02-20-12	45° MITRE BOTH ENDS
SLIDER TRANSOM	ONE	OVERALL OUTER FRAME WIDTH less 50mm	BR-SL13-20-14	TBSL/05/14 or TBSL/05/21
LINER BAR (HEAD)	ONE	FIXED FRAME SIGHT SIZE plus 77mm	BR-SL15-20-16	45° MITRE BOTH ENDS
LINER BAR (JAMB)	ONE RH	FIXED FRAME SIGHT SIZE plus 64.5mm	BR-SL15-20-16	45° MITRE & TBSL/05/23
LINER BAR (JAMB)	ONE LH	FIXED FRAME SIGHT SIZE plus 64.5mm	BR-SL15-20-16	45° MITRE & TBSL/05/23
MULLION	ONE	FIXED FRAME SIGHT SIZE plus 42mm	BR-TT05-20-06	SHEET TBSL/05/09
BEAD 'Shortest' EDGE	FOUR	FIXED FRAME SIGHT SIZE plus 42.5mm	**SEE OPTIONS TABLE	45° MITRE BOTH ENDS
BEAD 'Longest' EDGE	FOUR	FIXED FRAME SIGHT SIZE plus 52mm	**SEE OPTIONS TABLE	45° MITRE BOTH ENDS
CORNER CLEAT	FOUR	COMPONENT BR-0355		
CORNER BRACE	SIX	COMPONENT BR-2190		
D/G UNIT (FANLIGHT)	TWO	FFSS plus 30mm HEIGHT / WIDTH		

* For glazing options see section 9 of this manual.



Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 FLY SCREEN - WINDOW ASSEMBLY
 (TWO PANE SLIDER WITH FANLIGHT)

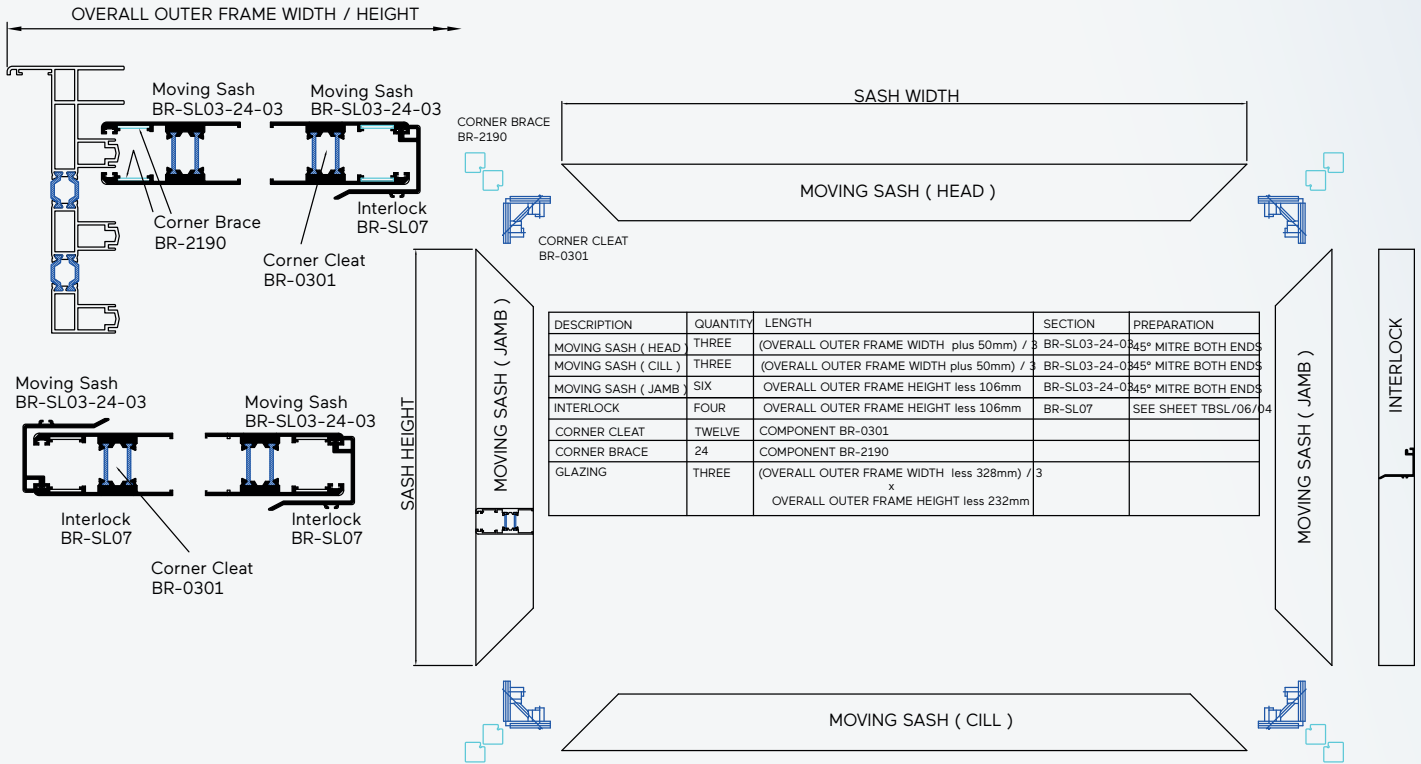


Note - FFSS* refers to Fanlight Fixed Frame Sight Size

Not to Scale.

Fabrication & Cutting Sizes

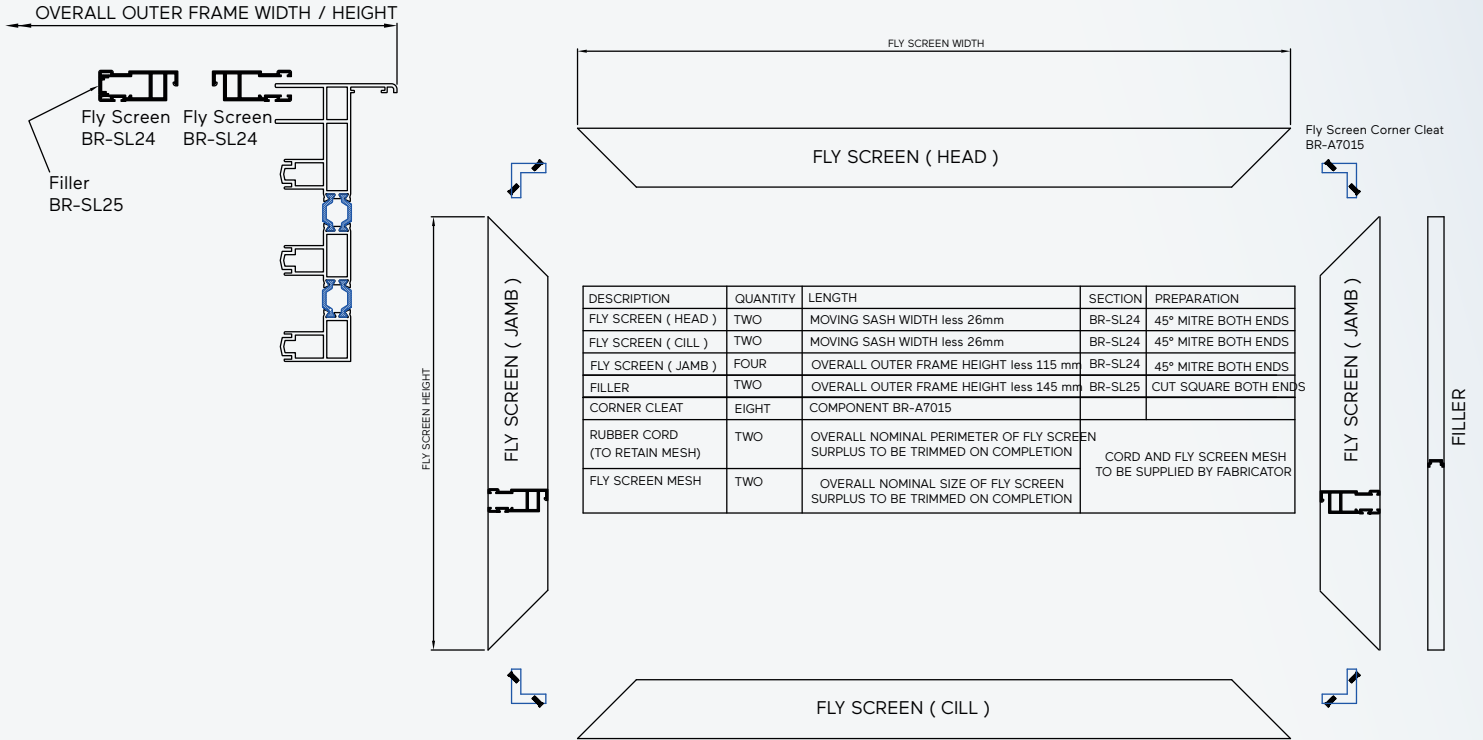
TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (THREE TRACK SLIDER WITHOUT BEADS)



Not to Scale.

Fabrication & Cutting Sizes

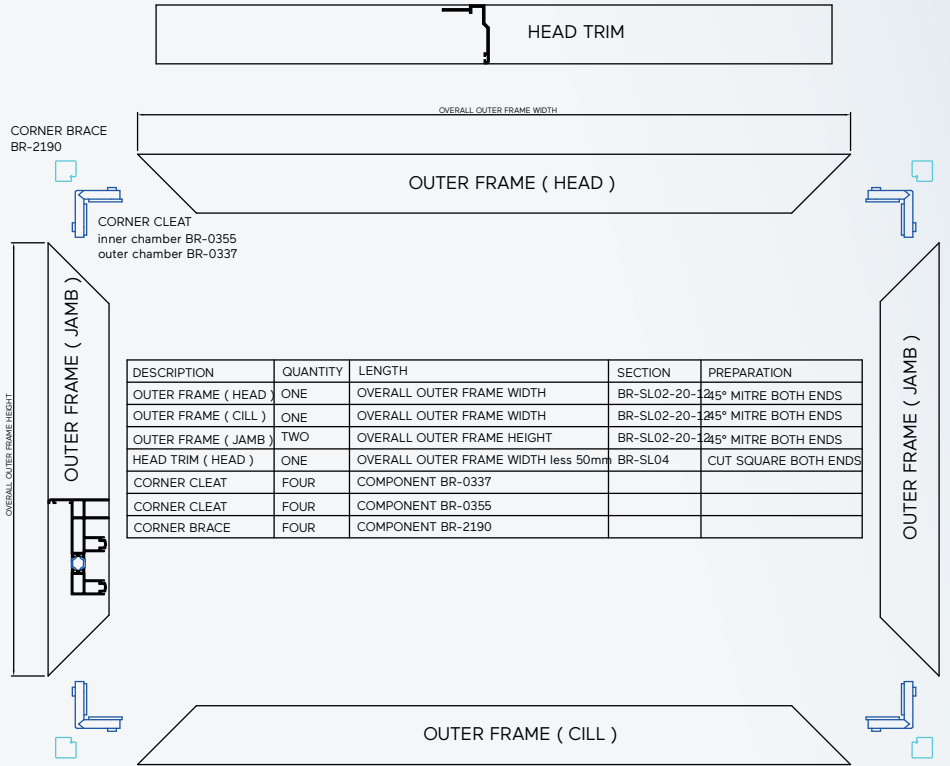
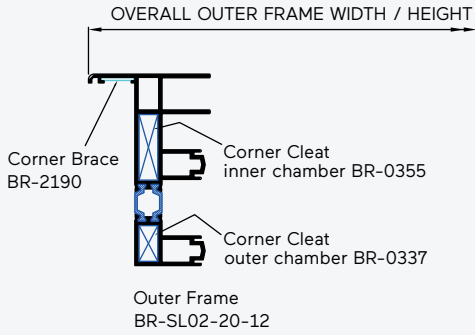
TB-84-SLIDE HORIZONTAL SLIDER
 FLY SCREEN - WINDOW ASSEMBLY
 (THREE TRACK SLIDER)



Not to Scale.

Fabrication & Cutting Sizes

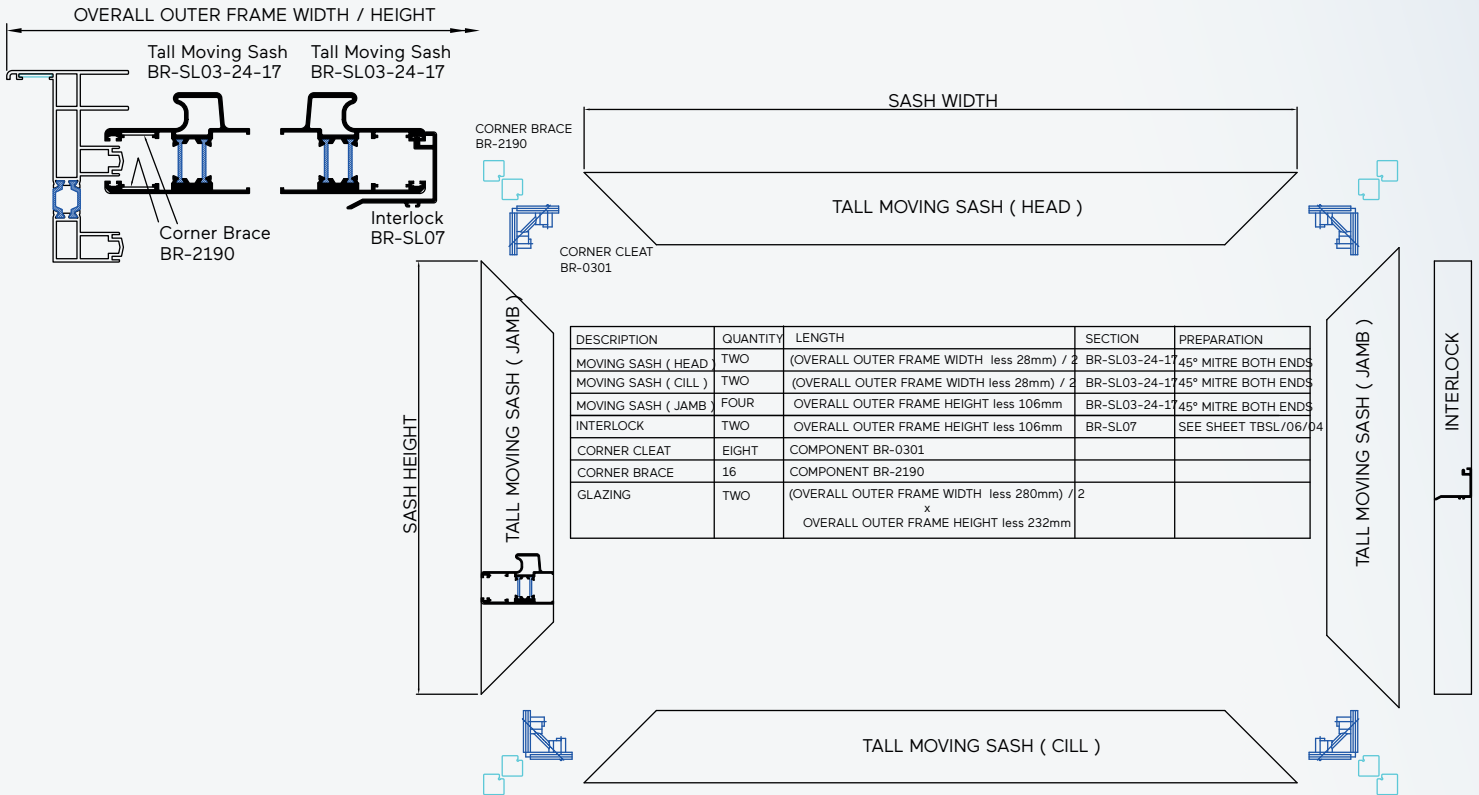
TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY
 (OUTER FRAME FOR TALL SASH)



Not to Scale.

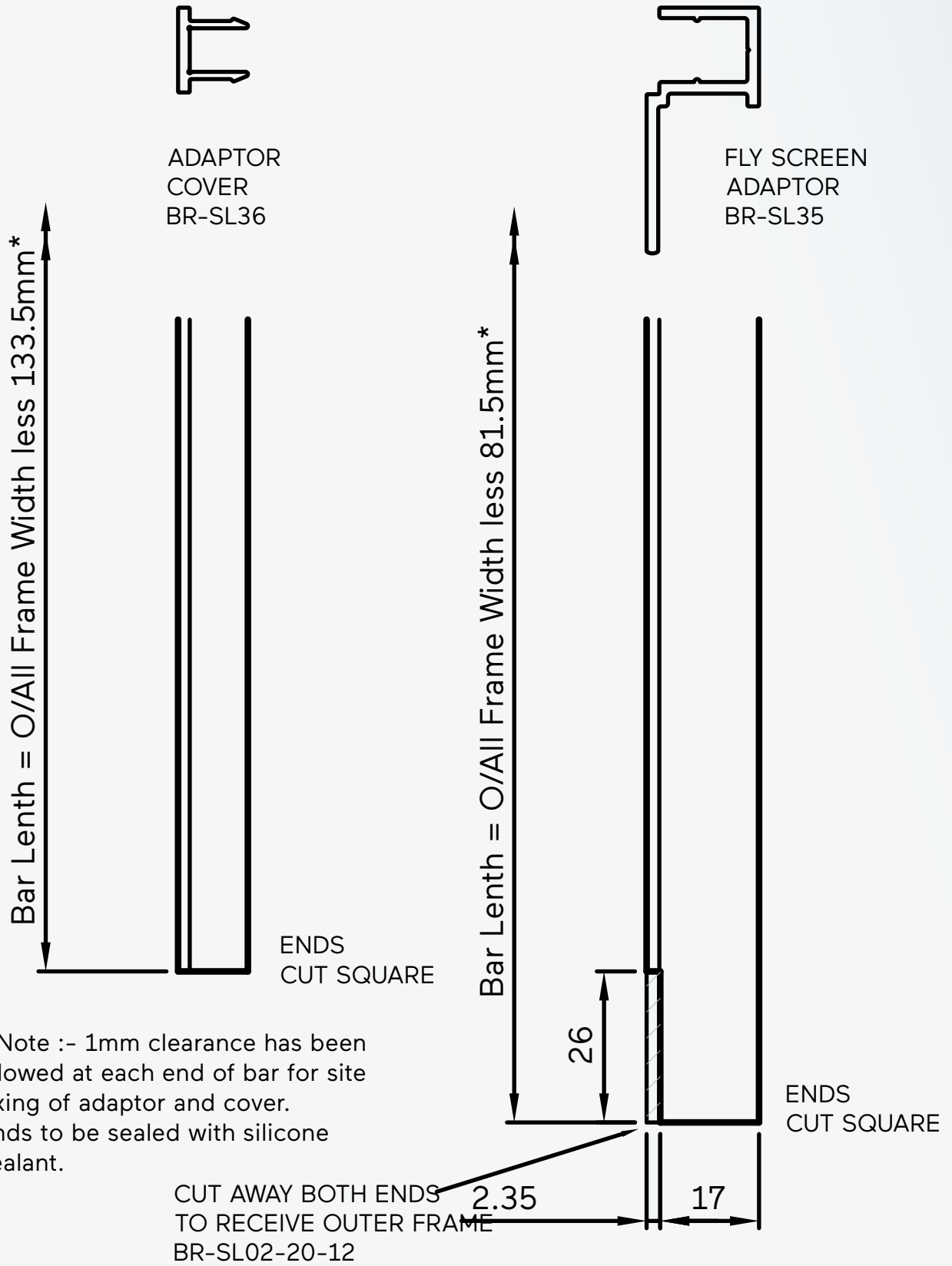
Fabrication & Cutting Sizes

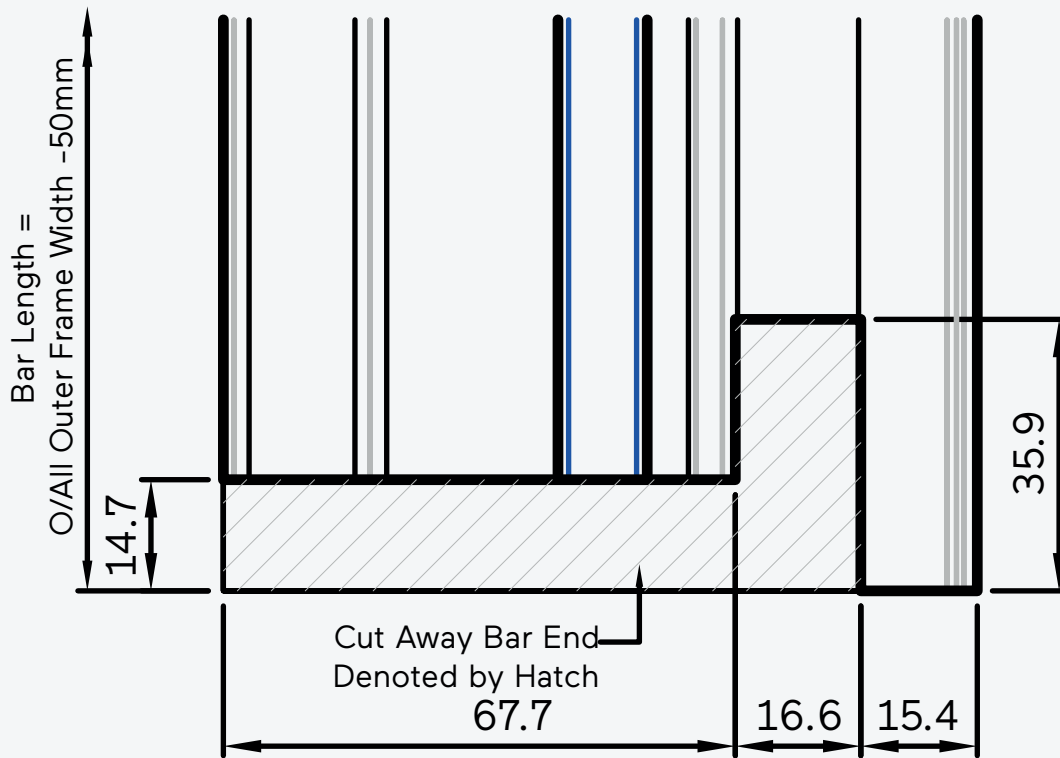
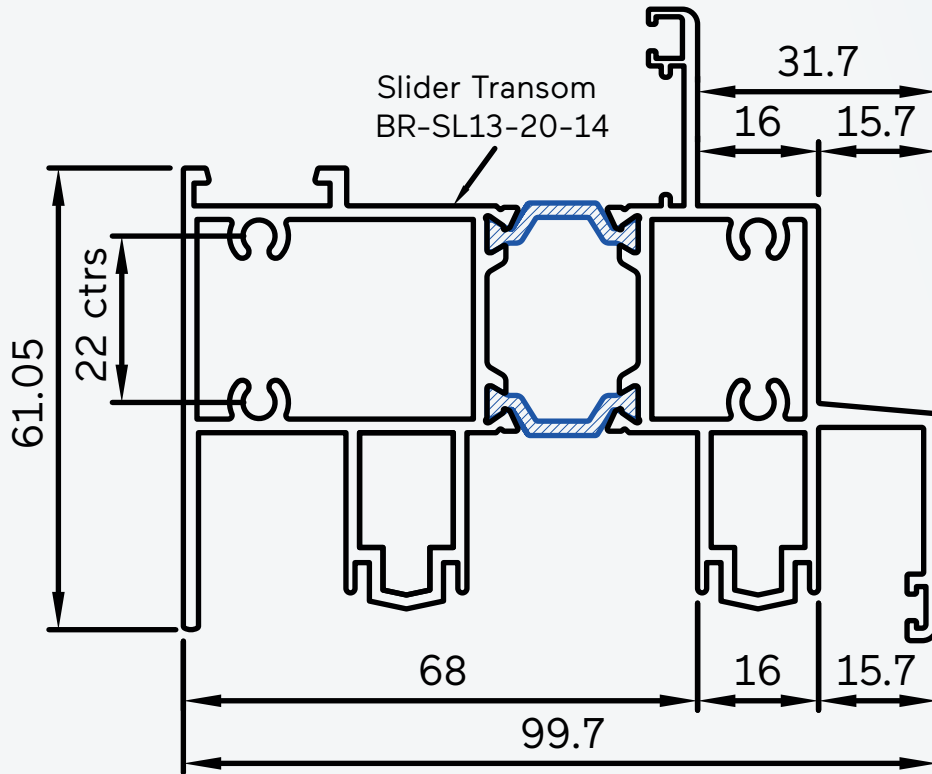
TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (TALL SLIDER WITHOUT BEADS)



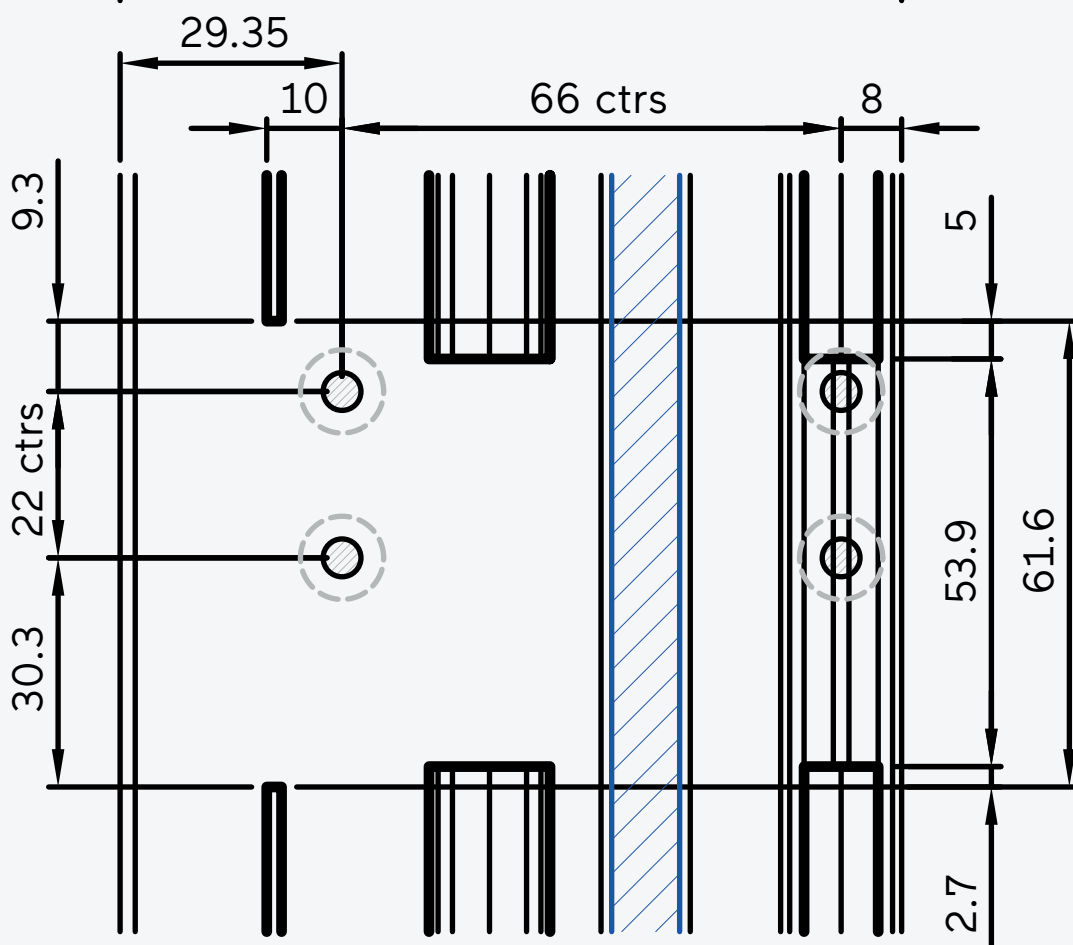
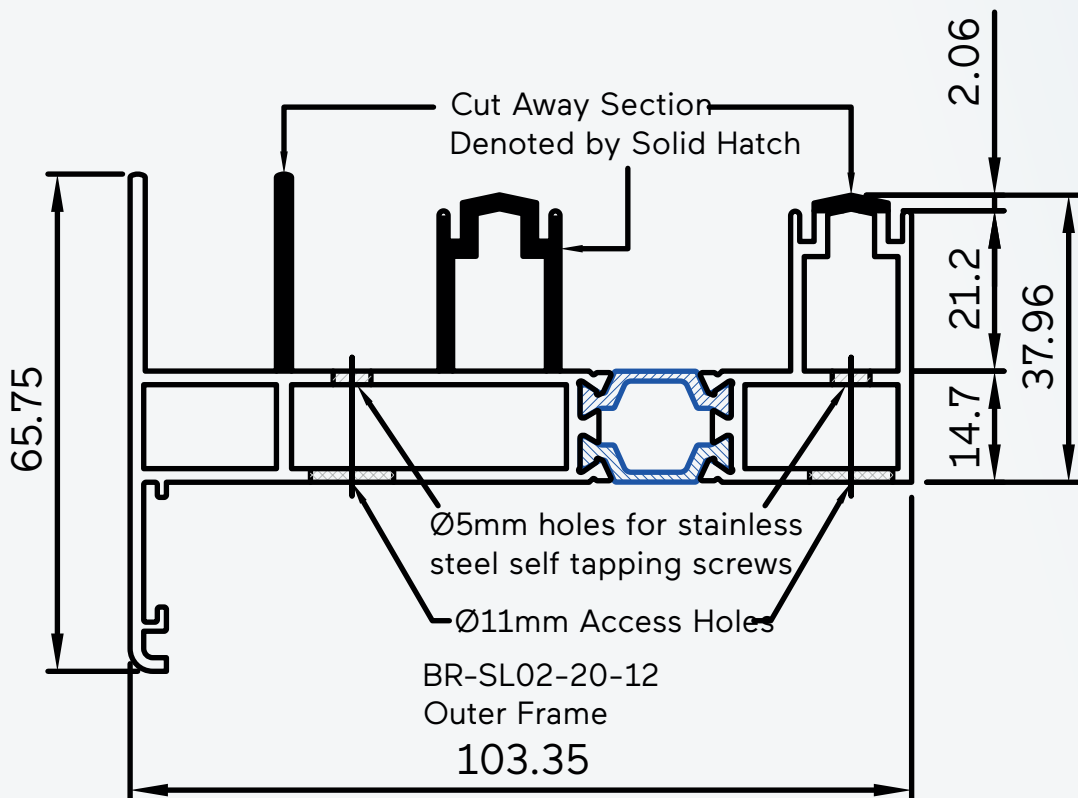
DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
MOVING SASH (HEAD)	TWO	(OVERALL OUTER FRAME WIDTH less 28mm) / 2	BR-SL03-24-17	45° MITRE BOTH ENDS
MOVING SASH (CILL)	TWO	(OVERALL OUTER FRAME WIDTH less 28mm) / 2	BR-SL03-24-17	45° MITRE BOTH ENDS
MOVING SASH (JAMB)	FOUR	OVERALL OUTER FRAME HEIGHT less 106mm	BR-SL03-24-17	45° MITRE BOTH ENDS
INTERLOCK	TWO	OVERALL OUTER FRAME HEIGHT less 106mm	BR-SL07	SEE SHEET TBSL/06/04
CORNER CLEAT	EIGHT	COMPONENT BR-0301		
CORNER BRACE	16	COMPONENT BR-2190		
GLAZING	TWO	(OVERALL OUTER FRAME WIDTH less 280mm) / 2 x OVERALL OUTER FRAME HEIGHT less 232mm		

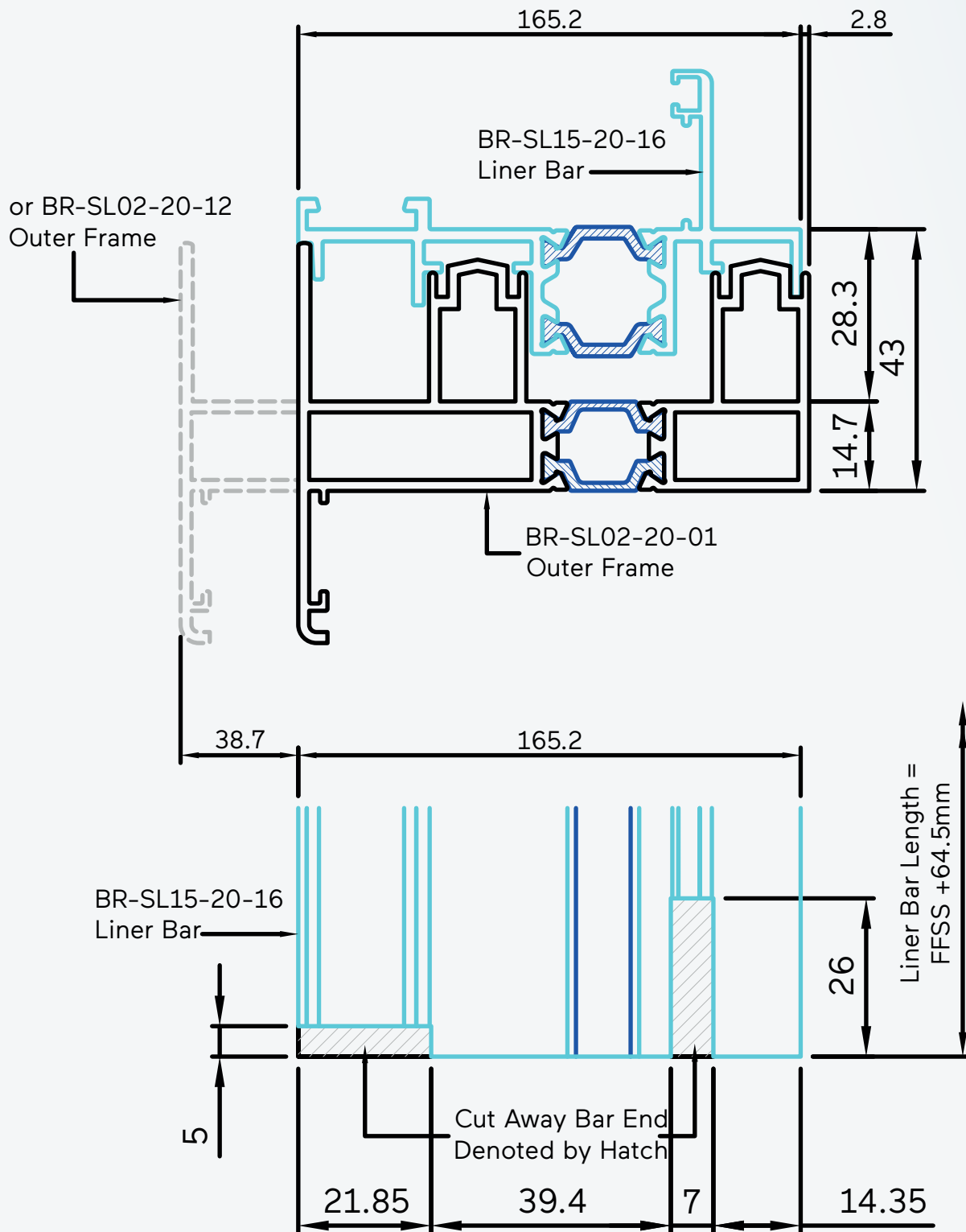
Not to Scale.





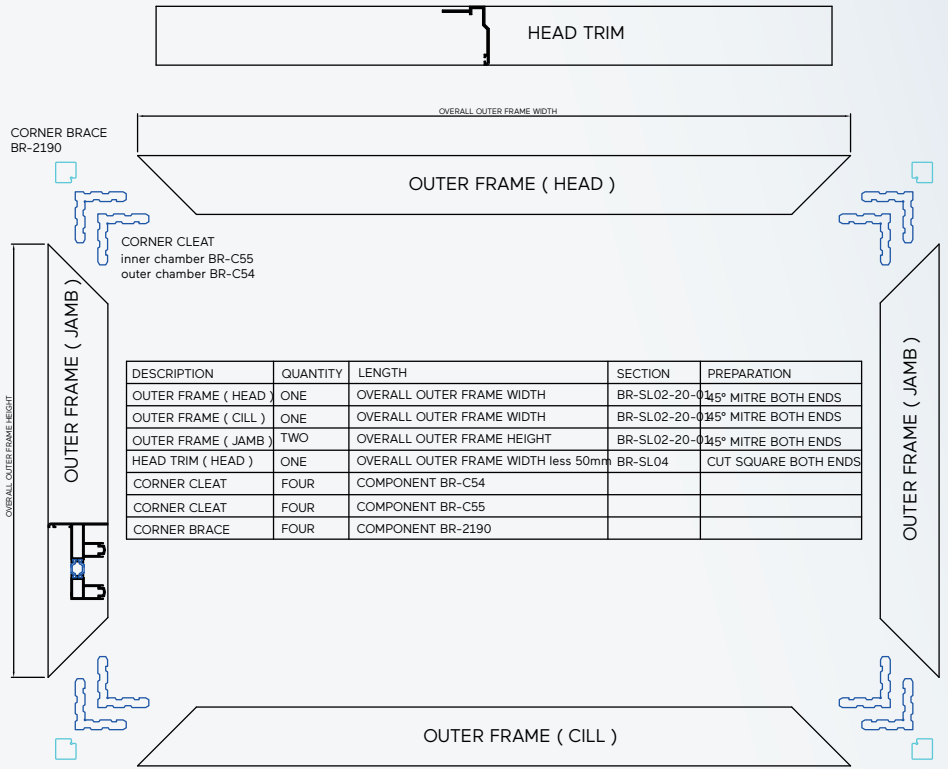
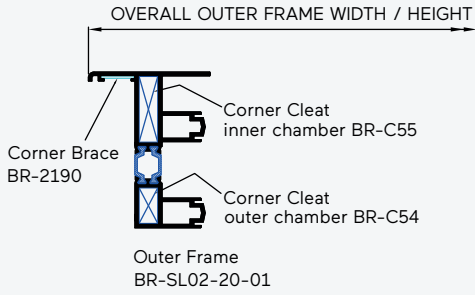
Bar Cut Away Both Ends to Receive
Outer Frame BR-SL02-20-12





Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY



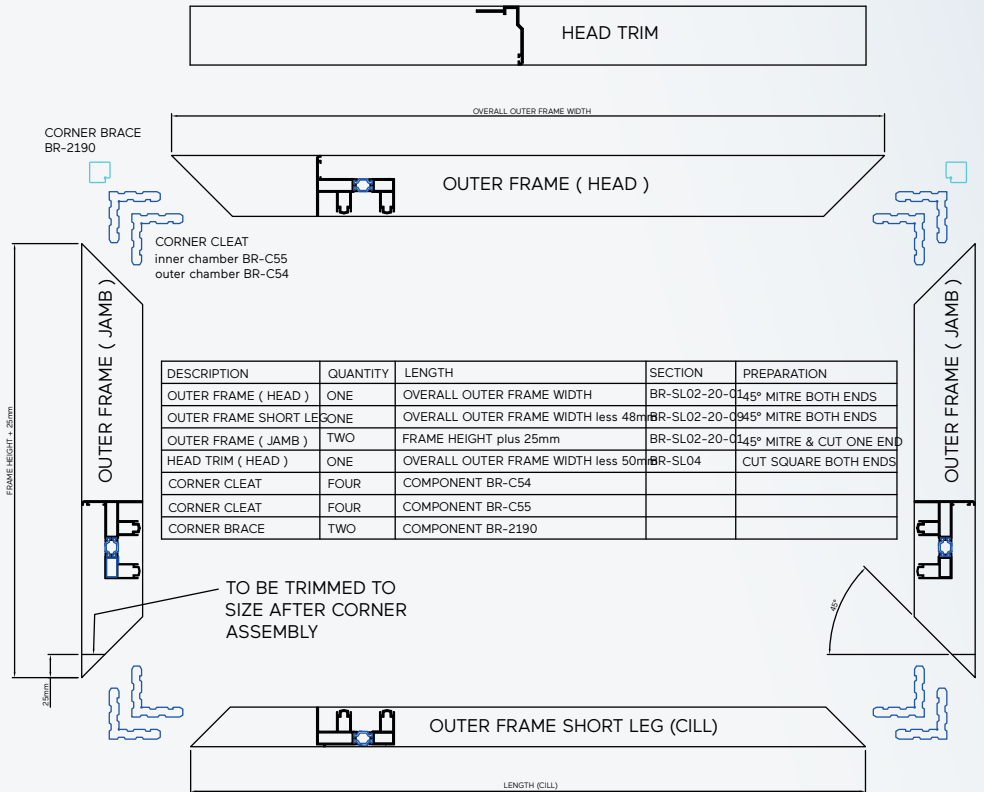
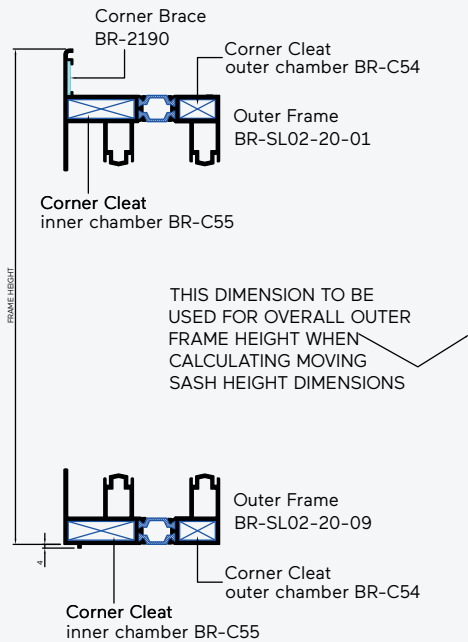
DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
OUTER FRAME (HEAD)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01	45° MITRE BOTH ENDS
OUTER FRAME (CILL)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01	45° MITRE BOTH ENDS
OUTER FRAME (JAMB)	TWO	OVERALL OUTER FRAME HEIGHT	BR-SL02-20-01	45° MITRE BOTH ENDS
HEAD TRIM (HEAD)	ONE	OVERALL OUTER FRAME WIDTH less 50mm	BR-SL04	CUT SQUARE BOTH ENDS
CORNER CLEAT	FOUR	COMPONENT BR-C54		
CORNER CLEAT	FOUR	COMPONENT BR-C55		
CORNER BRACE	FOUR	COMPONENT BR-2190		

Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER

OUTER FRAME (WITH SHORT LEG CILL TO SUIT FIXED LIGHT BELOW) - WINDOW ASSEMBLY

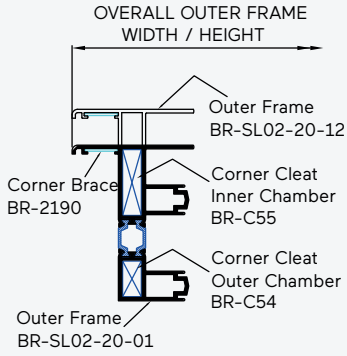


DESCRIPTION	QUANTITY	LENGTH	SECTION	PREPARATION
OUTER FRAME (HEAD)	ONE	OVERALL OUTER FRAME WIDTH	BR-SL02-20-01	45° MITRE BOTH ENDS
OUTER FRAME SHORT LEG	ONE	OVERALL OUTER FRAME WIDTH less 48mm	BR-SL02-20-09	45° MITRE BOTH ENDS
OUTER FRAME (JAMB)	TWO	FRAME HEIGHT plus 25mm	BR-SL02-20-09	45° MITRE & CUT ONE END
HEAD TRIM (HEAD)	ONE	OVERALL OUTER FRAME WIDTH less 50mm	BR-SL04	CUT SQUARE BOTH ENDS
CORNER CLEAT	FOUR	COMPONENT BR-C54		
CORNER CLEAT	FOUR	COMPONENT BR-C55		
CORNER BRACE	TWO	COMPONENT BR-2190		

Not to Scale.

Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY
 (TWO PANE SLIDER WITH FANLIGHT)

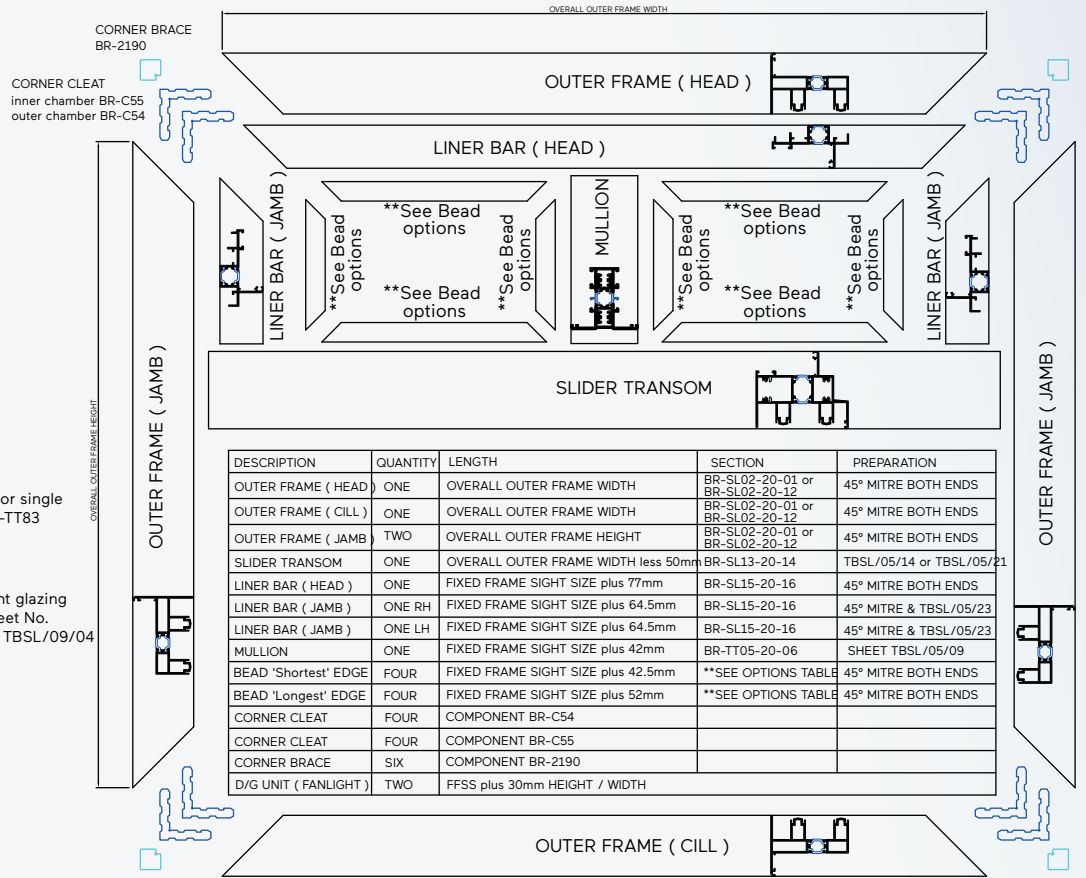


see sheet No. TBSL/05/?? for single glazing make up section BR-TT83 fabrication & cutting sizes

NOTE :- ALL BEAD LENGTHS ARE TIGHT SIZES. CLEARANCE OF NOT MORE THAN 0.5mm SHOULD BE ALLOWED AT EACH END OF GLAZING BEAD. * For Fixed Light glazing options see sheet No. TBSL/09/03 & TBSL/09/04

**GLAZING BEAD OPTIONS TABLE		
Glazing Thickness	'Shortest' Frame Edge (Bead)	'Longest' Frame Edge (Bead)
26mm	BR-TT34	BR-TT71
24mm	BR-TT34	BR-TT71
12mm	BR-TT70	BR-TT71
10mm	BR-TT70	BR-TT71
8mm	BR-TT28	BR-TT82
6mm	BR-TT28	BR-TT82

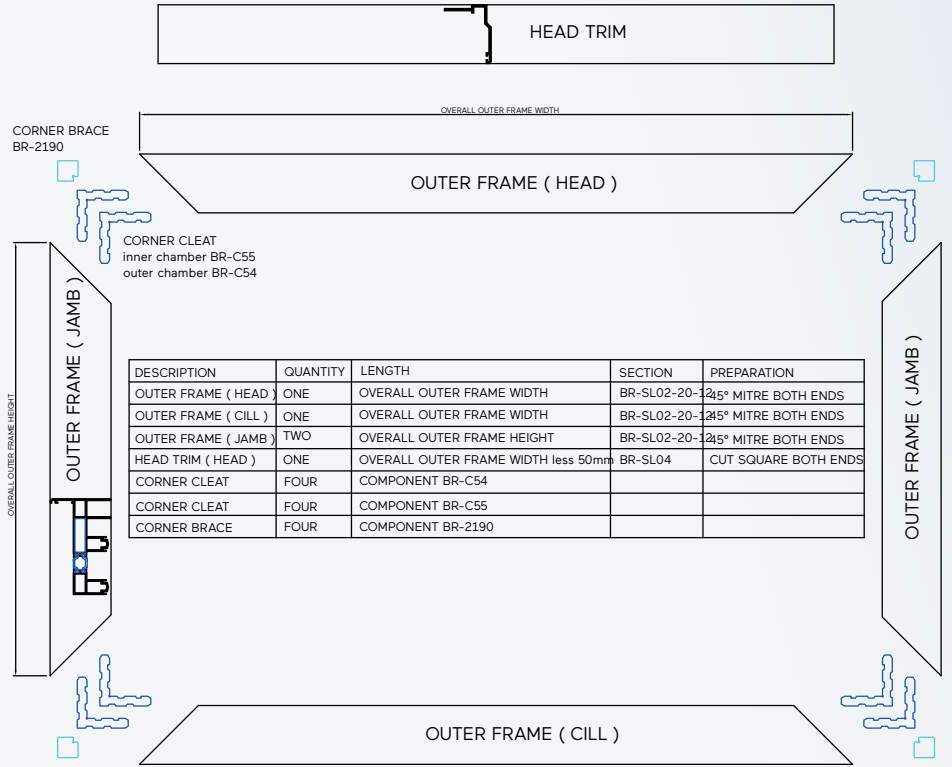
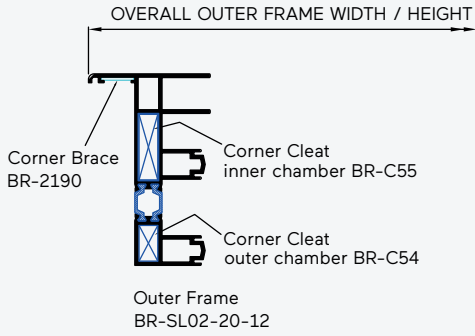
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* For glazing options see section 9 of this manual.

Fabrication & Cutting Sizes

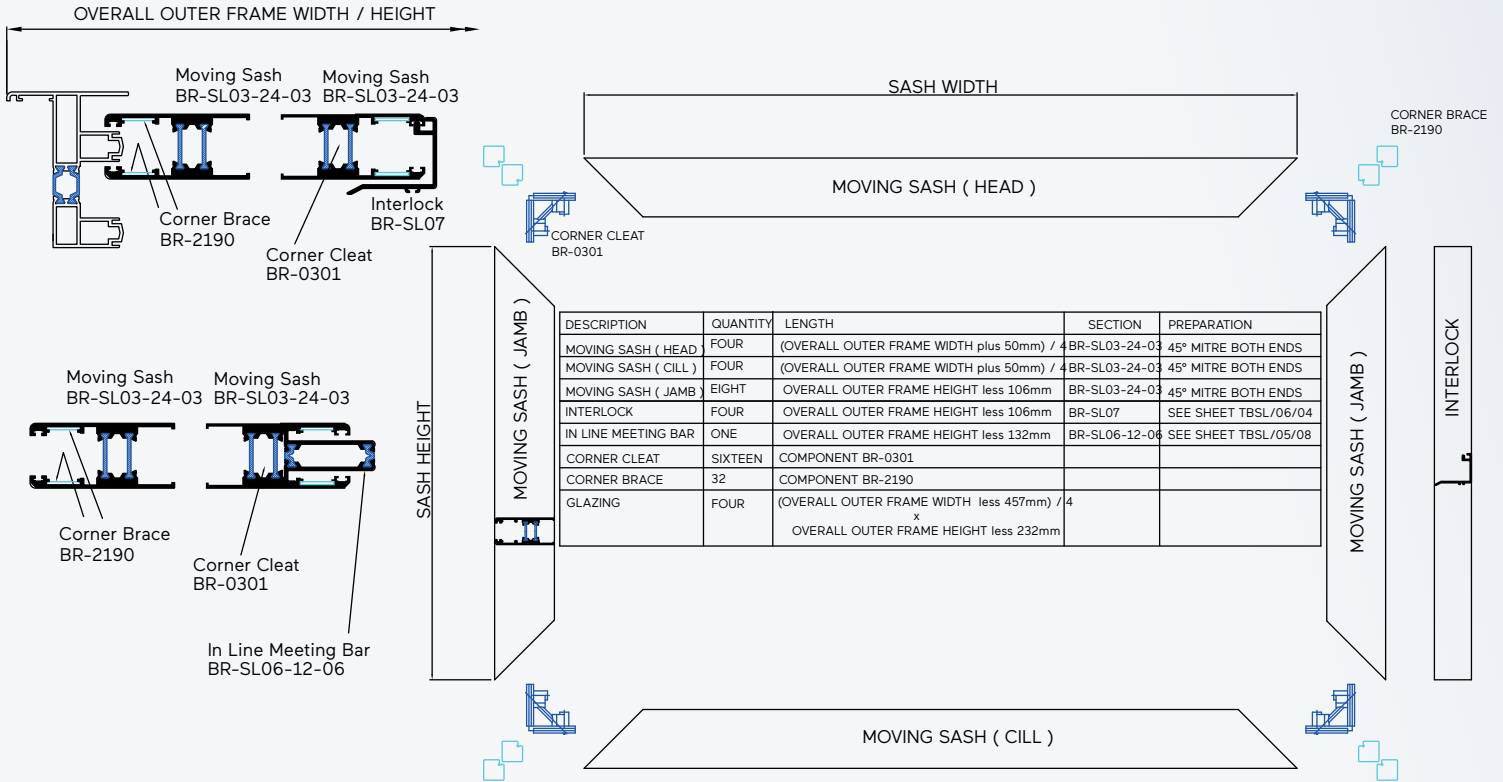
TB-84-SLIDE HORIZONTAL SLIDER
 OUTER FRAME- WINDOW ASSEMBLY
 (OUTER FRAME FOR TALL SASH)



Not to Scale.

Fabrication & Cutting Sizes

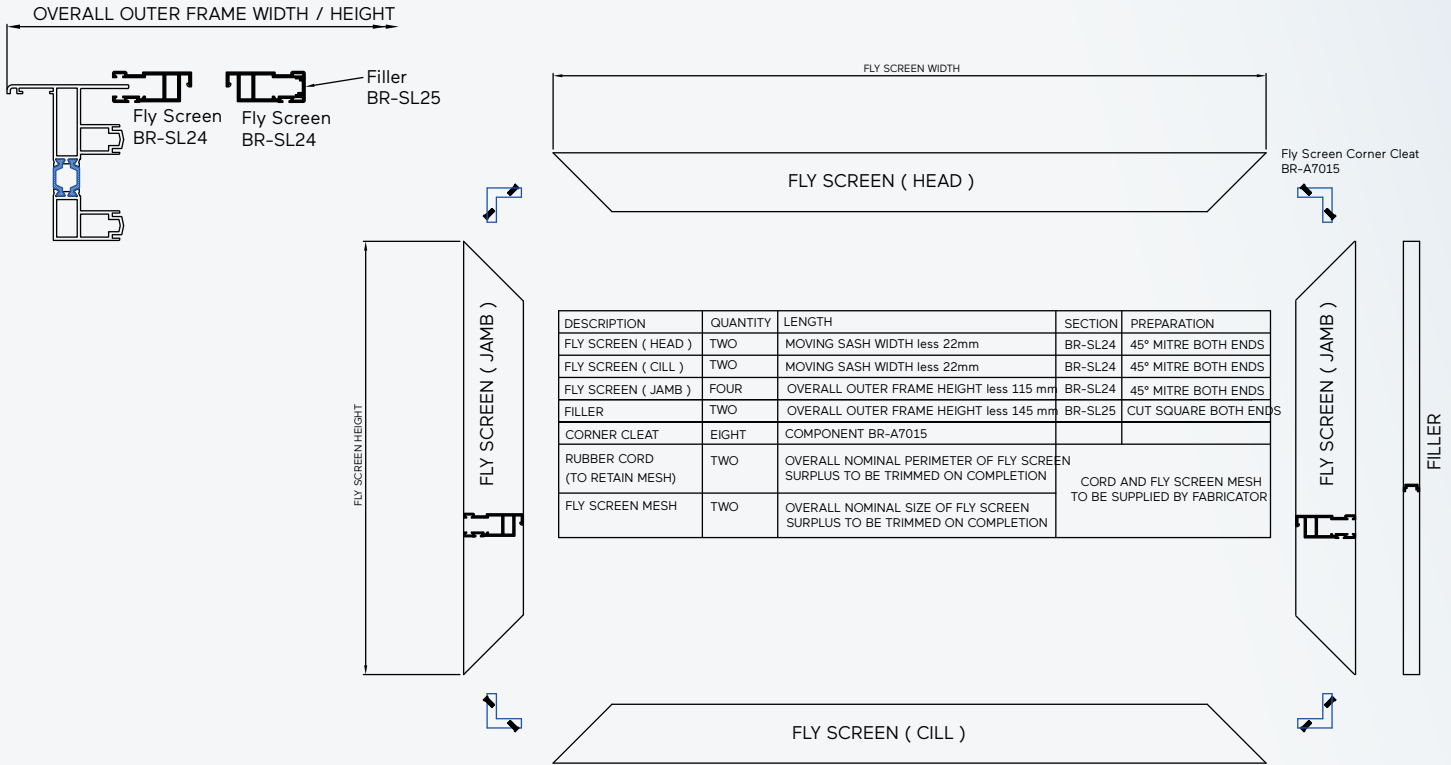
TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (FOUR PANE SLIDER WITHOUT BEADS)



Not to Scale.

Fabrication & Cutting Sizes

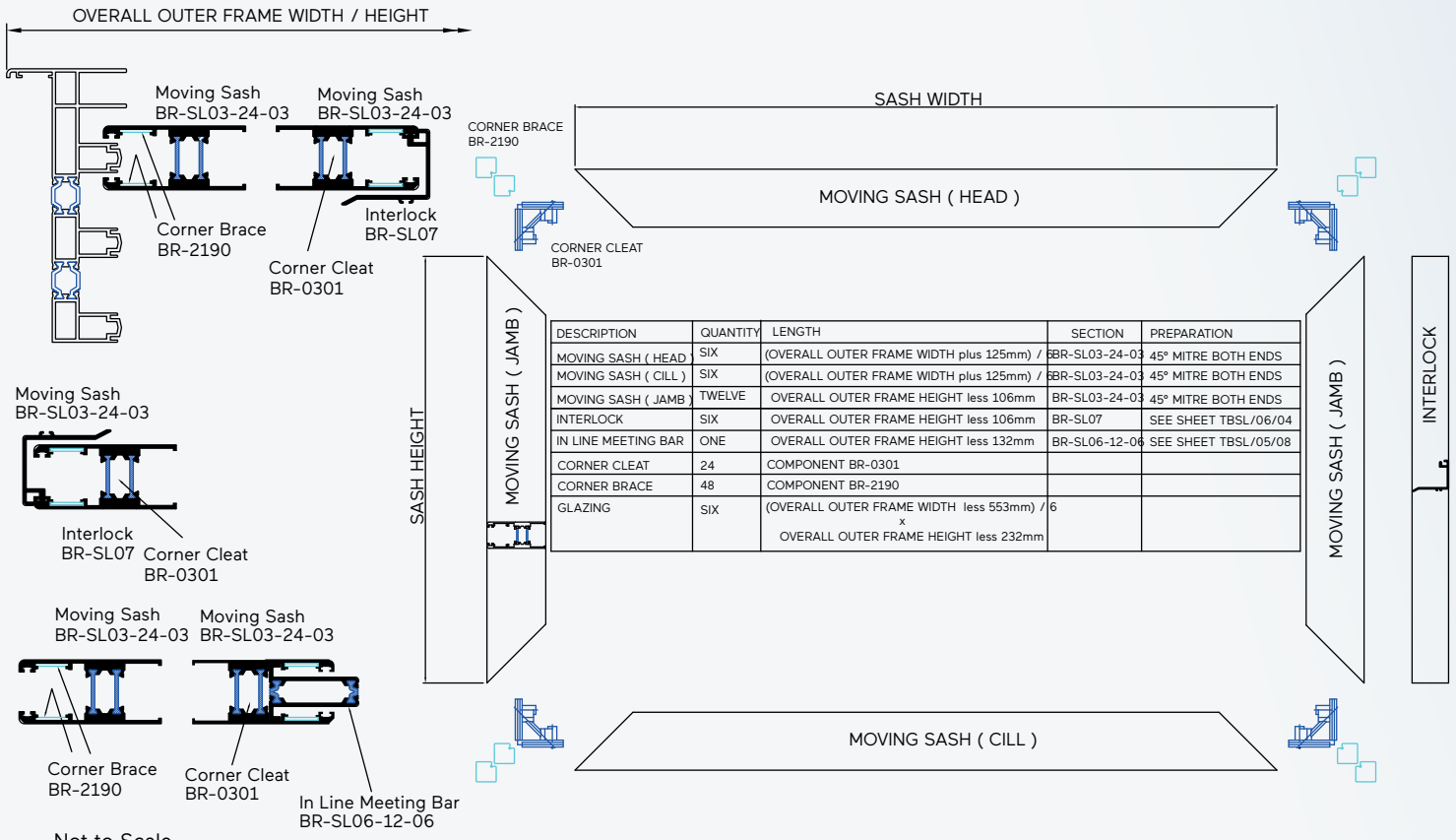
TB-84-SLIDE HORIZONTAL SLIDER
 FLY SCREEN - WINDOW ASSEMBLY
 (FOUR PANE SLIDER)



Not to Scale.

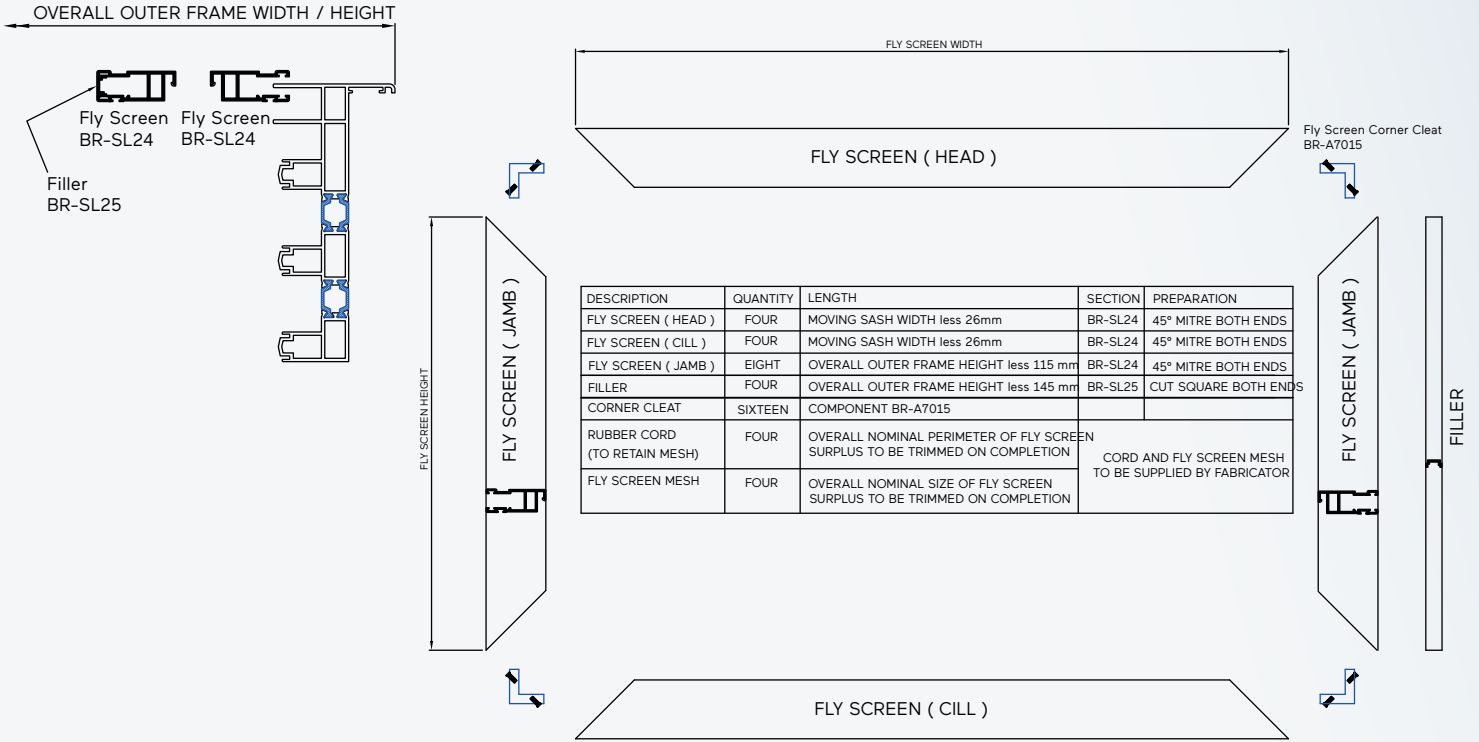
Fabrication & Cutting Sizes

TB-84-SLIDE HORIZONTAL SLIDER
 SASH MOVING FRAME - WINDOW ASSEMBLY
 (SIX PANE SLIDER WITHOUT BEADS)

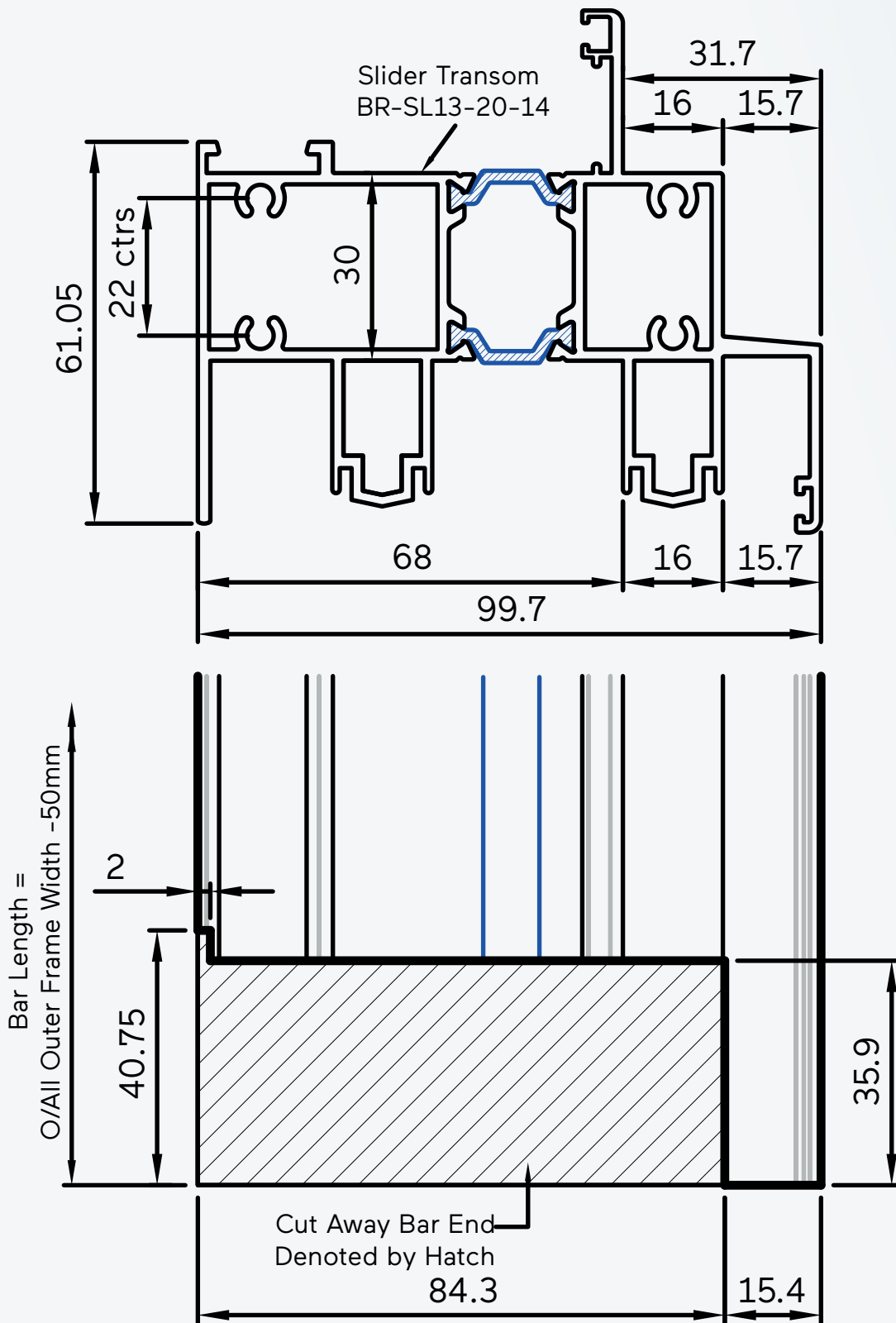


Fabrication & Cutting Sizes

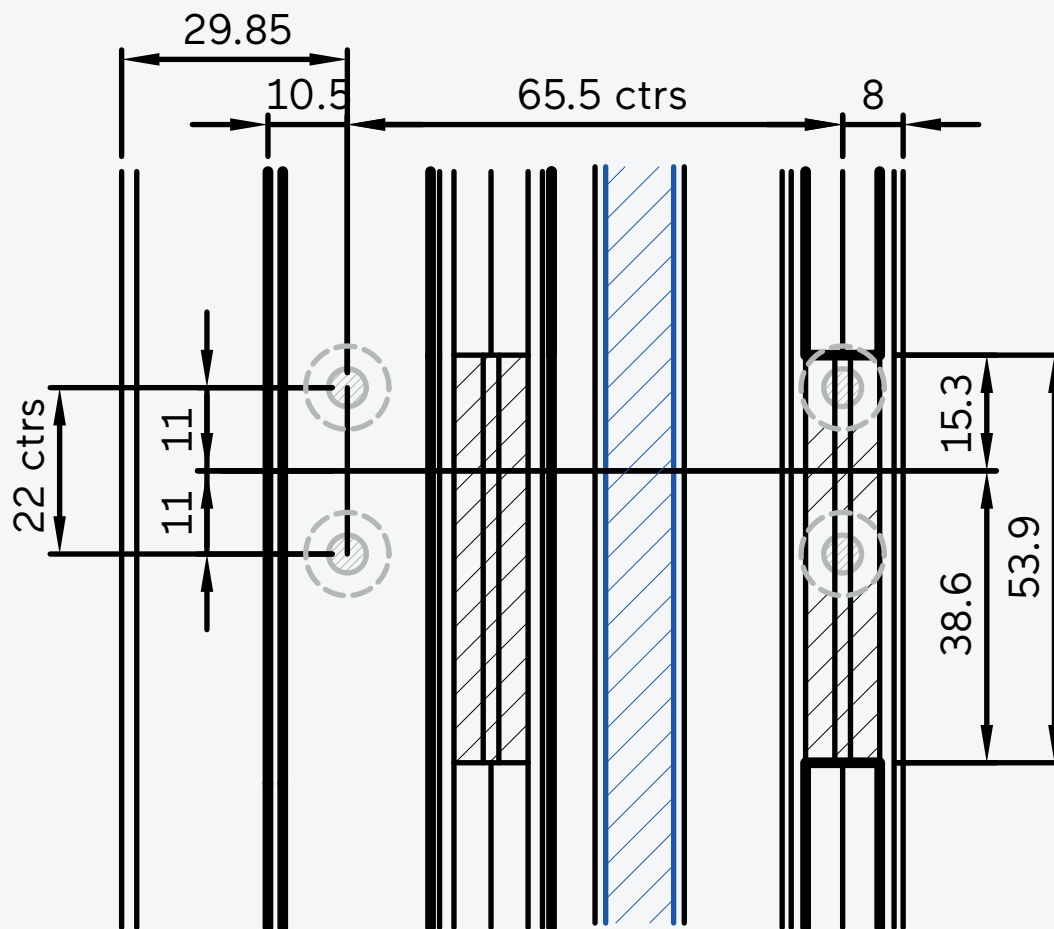
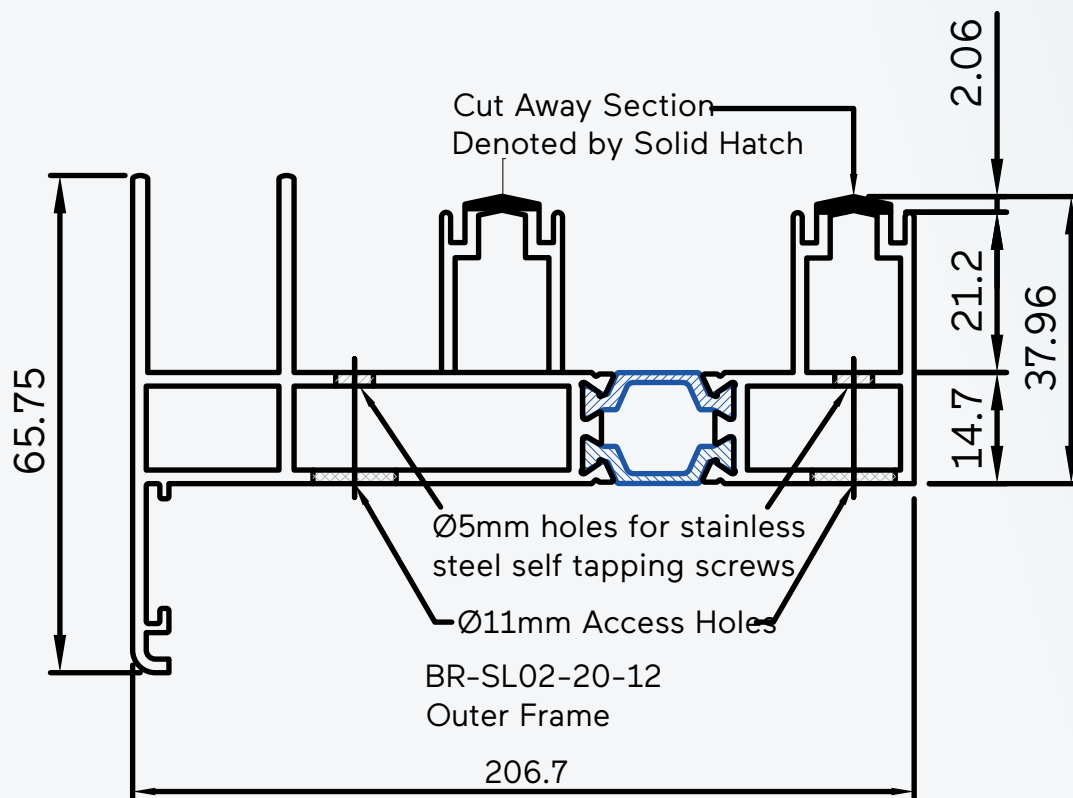
TB-84-SLIDE HORIZONTAL SLIDER
 FLY SCREEN - WINDOW ASSEMBLY
 (SIX PANE SLIDER)



Not to Scale.



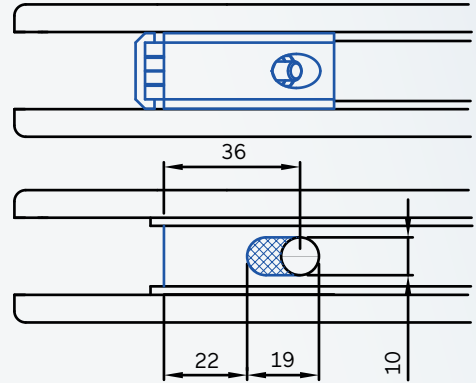
Bar Cut Away Both Ends to Receive
Outer Frame BR-SL02-20-12



TALL MOVING SASH
BR-SL03-24-17

BEADED MOVING SASH
BR-SL03-24-05

MOVING SASH
BR-SL03-24-03



10mm DIA HOLE

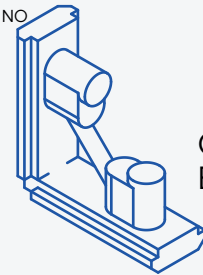
19mm x 10mm SLOT

19mm x 10mm SLOT 10mm DIA HOLE

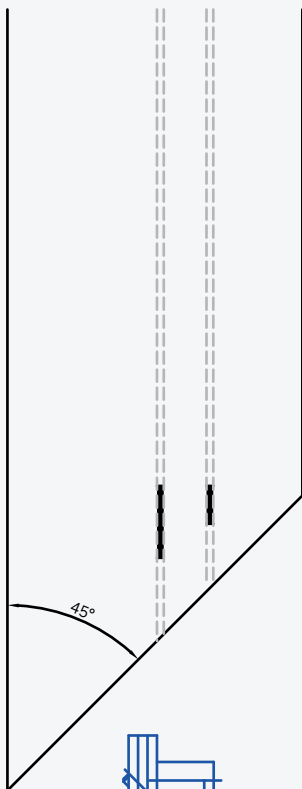
IMPORTANT: PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY.
BRITAL advise the use of adhesive to ensure the stability of corner joints.

HOLE PREPARATIONS IN THE END OF THE BARS MUST BE COMPLETED BEFORE ASSEMBLY

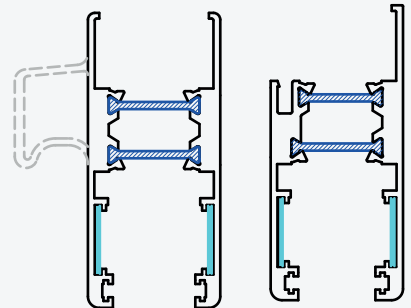
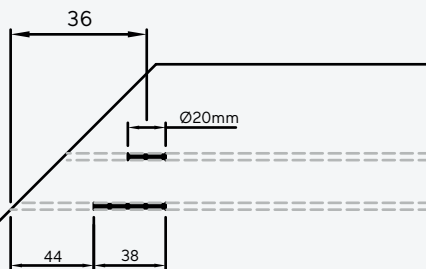
1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
2. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM AND THERMAL BREAK PROFILES. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
3. INSERT CORNER CLEAT AND BRACES AND PUSH SECTIONS TOGETHER. ENSURE MITRED JOINT IS ALIGNED AND TRUE. TIGHTEN SCREW IN CLEAT TO CLOSE UP JOINT.
4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL BEAD AND GASKET RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.



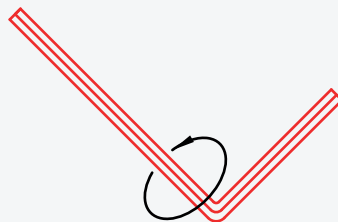
Corner Cleat
BR-0301



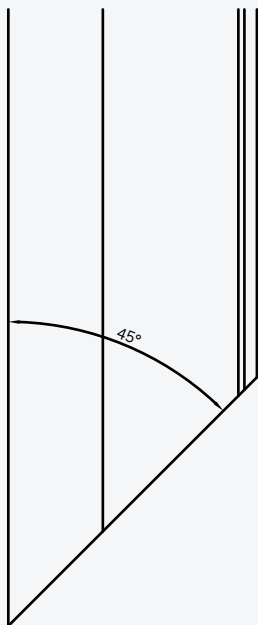
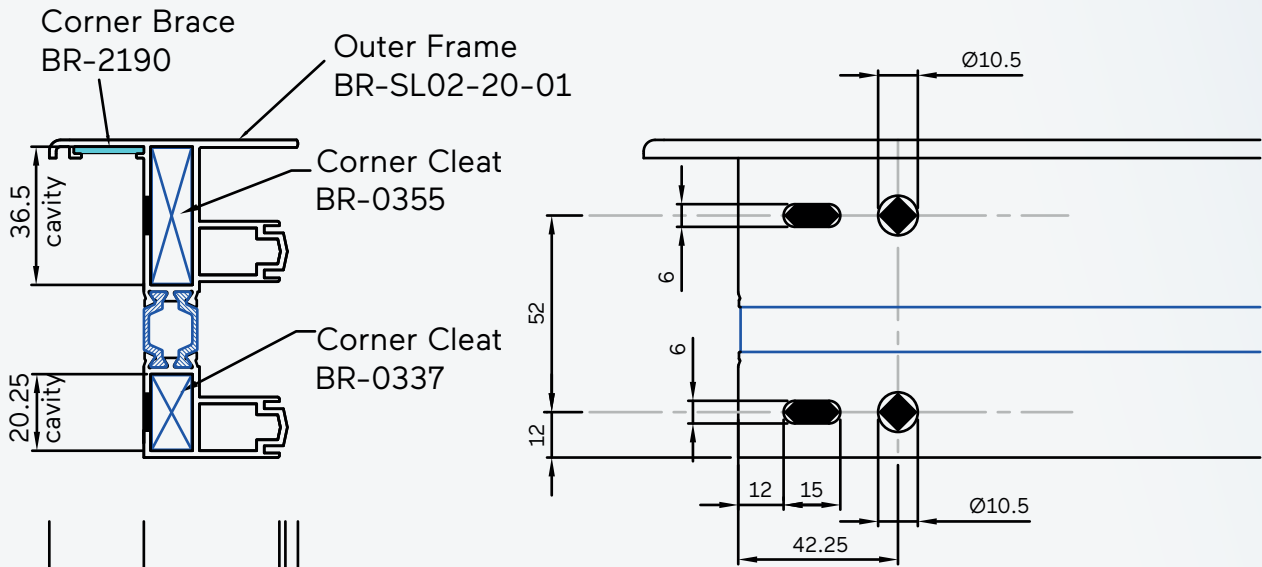
45°



chevron
BR-2190



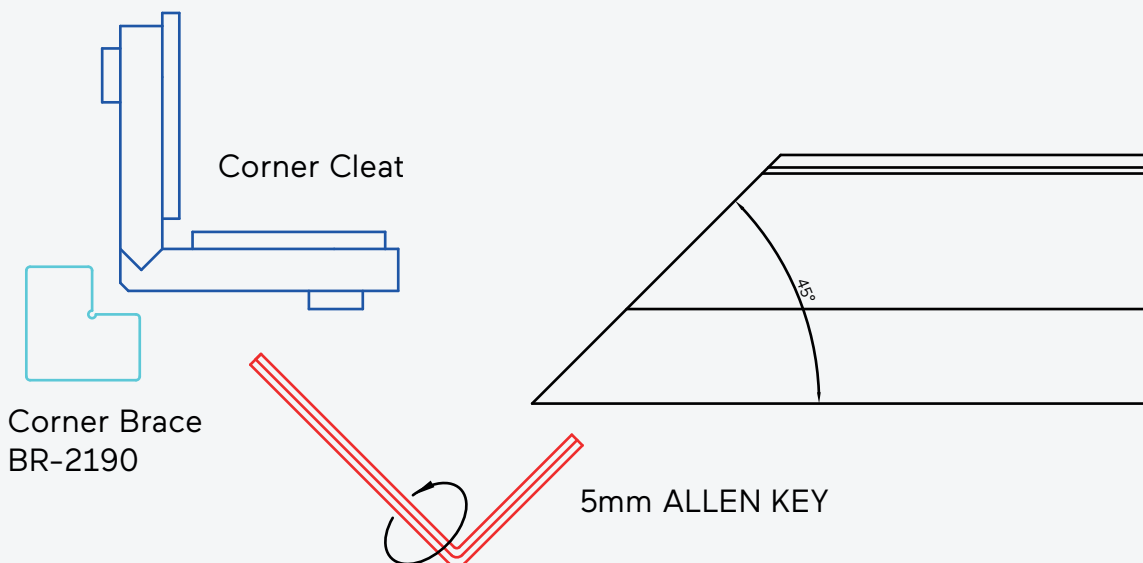
4mm ALLEN KEY



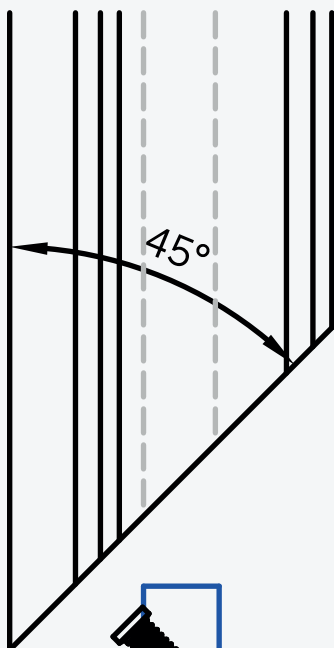
IMPORTANT: PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY.
BRITAL advise the use of adhesive to ensure the stability of corner joints.

HOLE PREPARATIONS AND SLOTS IN THE END OF THE BARS MUST BE COMPLETED BEFORE ASSEMBLY.

1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
2. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
3. INSERT CORNER CLEAT AND BRACES AND PUSH SECTIONS TOGETHER. ENSURE MITRED JOINT IS ALIGNED AND TRUE. TIGHTEN SCREW IN CLEAT TO CLOSE UP JOINT.
4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.



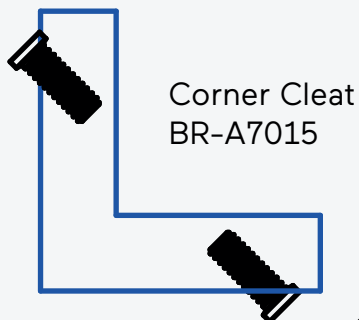
Fly Screen
BR-SL24



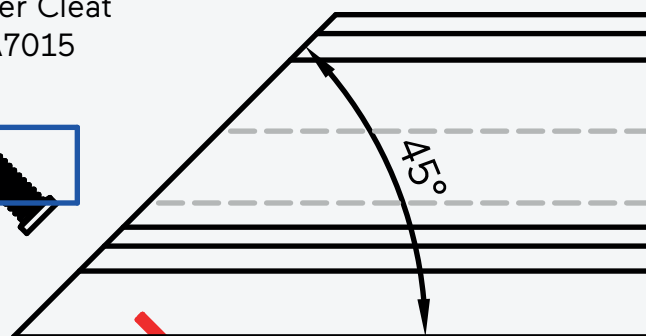
IMPORTANT: PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY.
BRITAL advise the use of adhesive to ensure the stability of corner joints.

NO HOLE PREPARATIONS ARE REQUIRED IN THE END OF THE BARS.

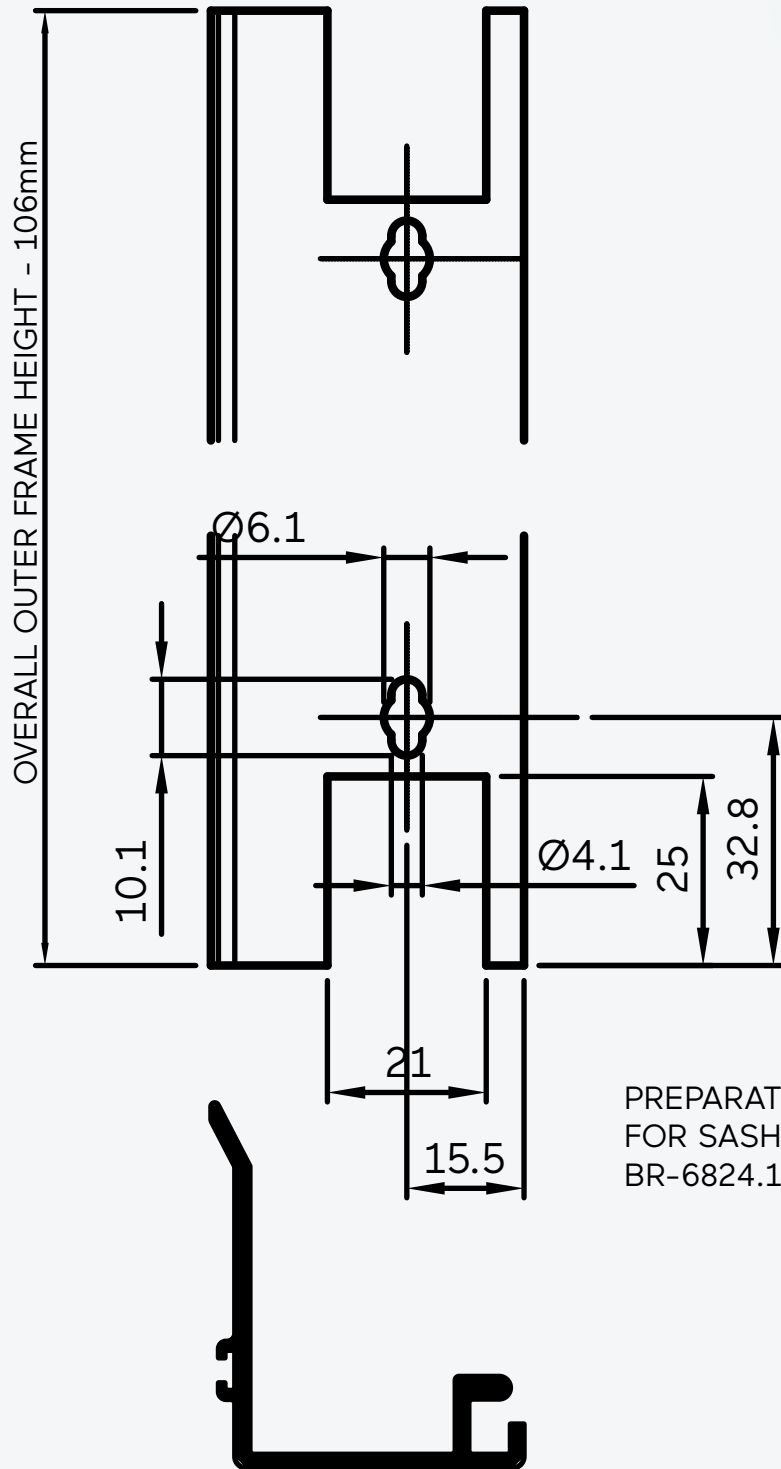
1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
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4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL GASKET RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.



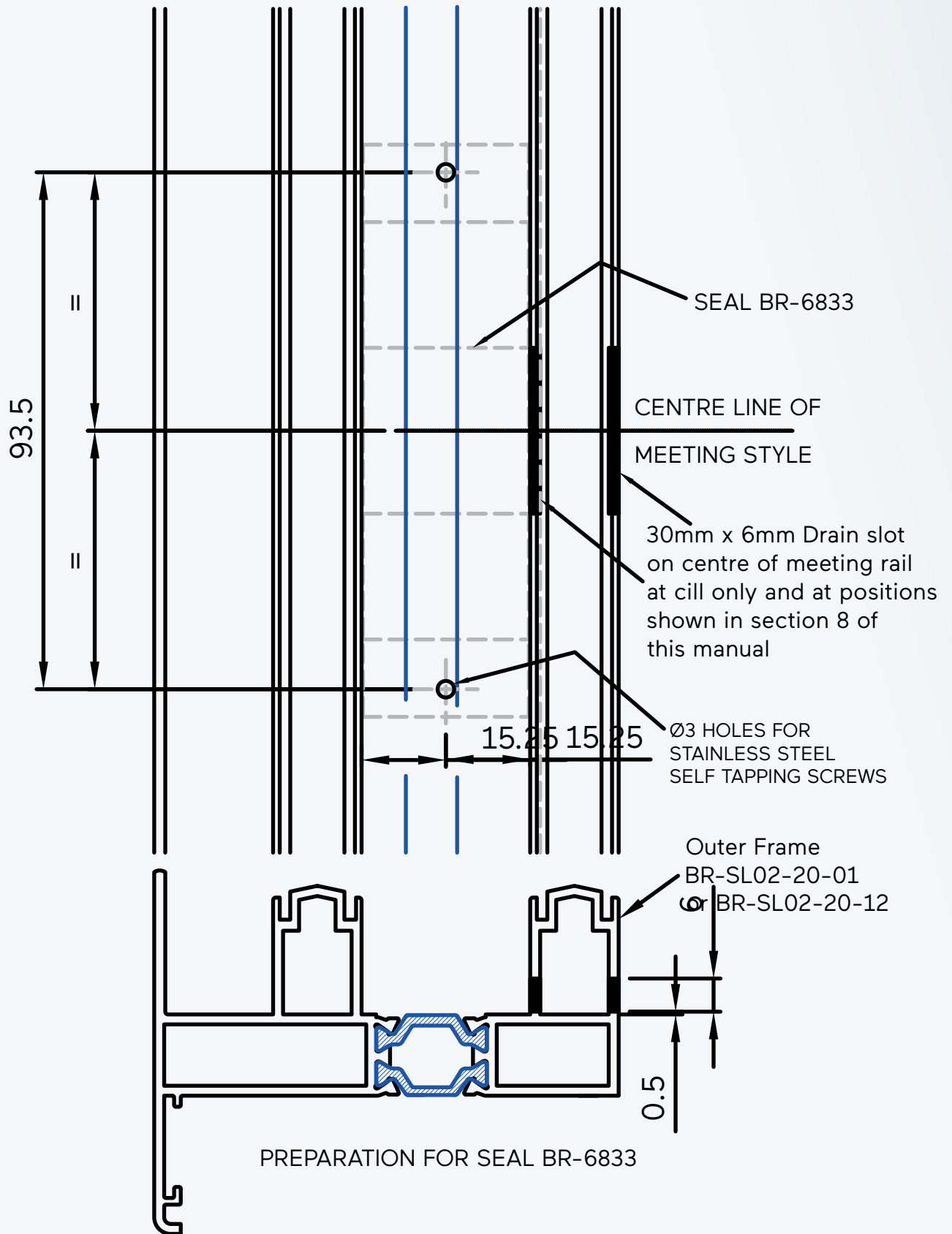
Corner Cleat
BR-A7015

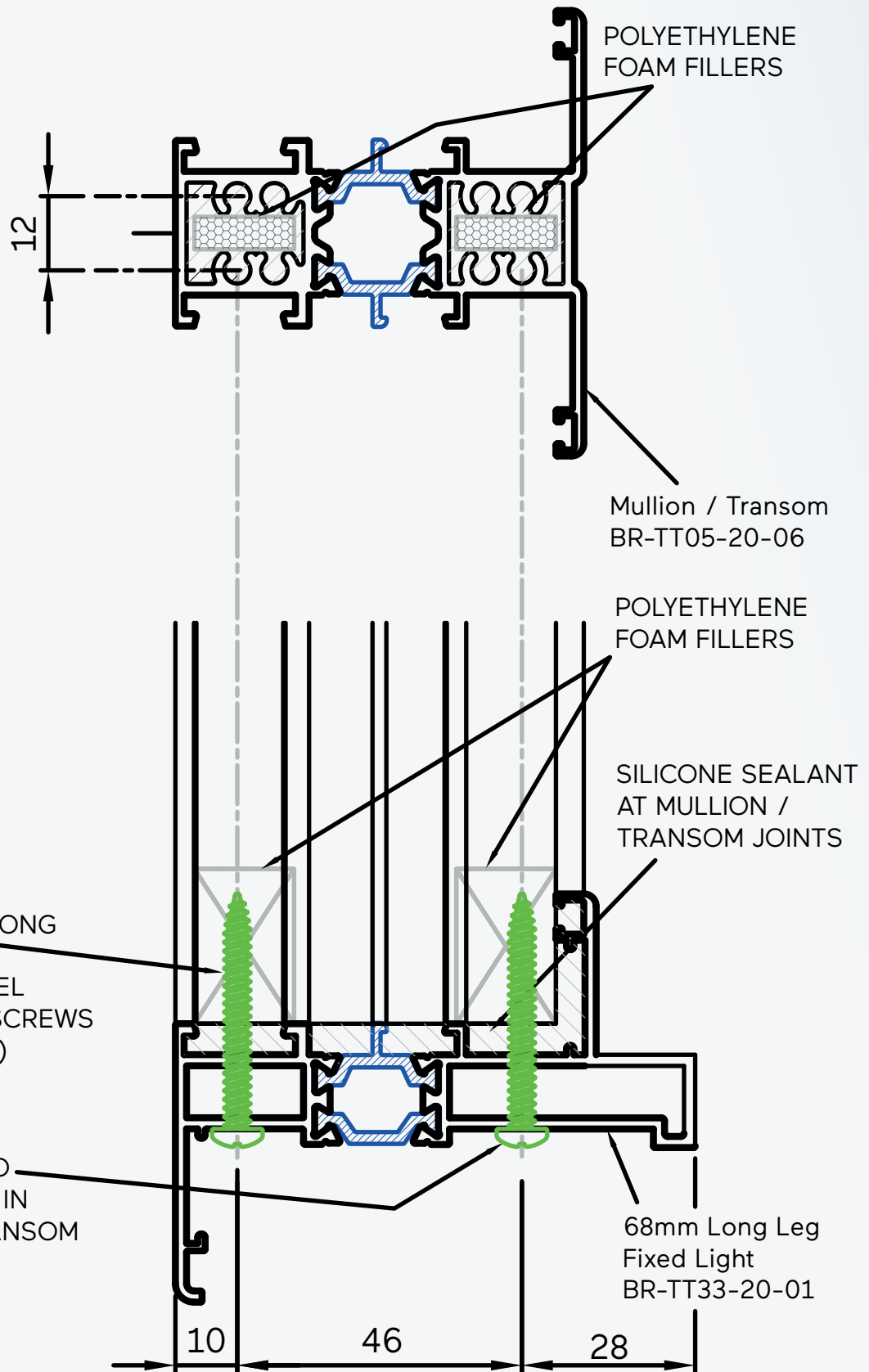


2.5mm ALLEN KEY



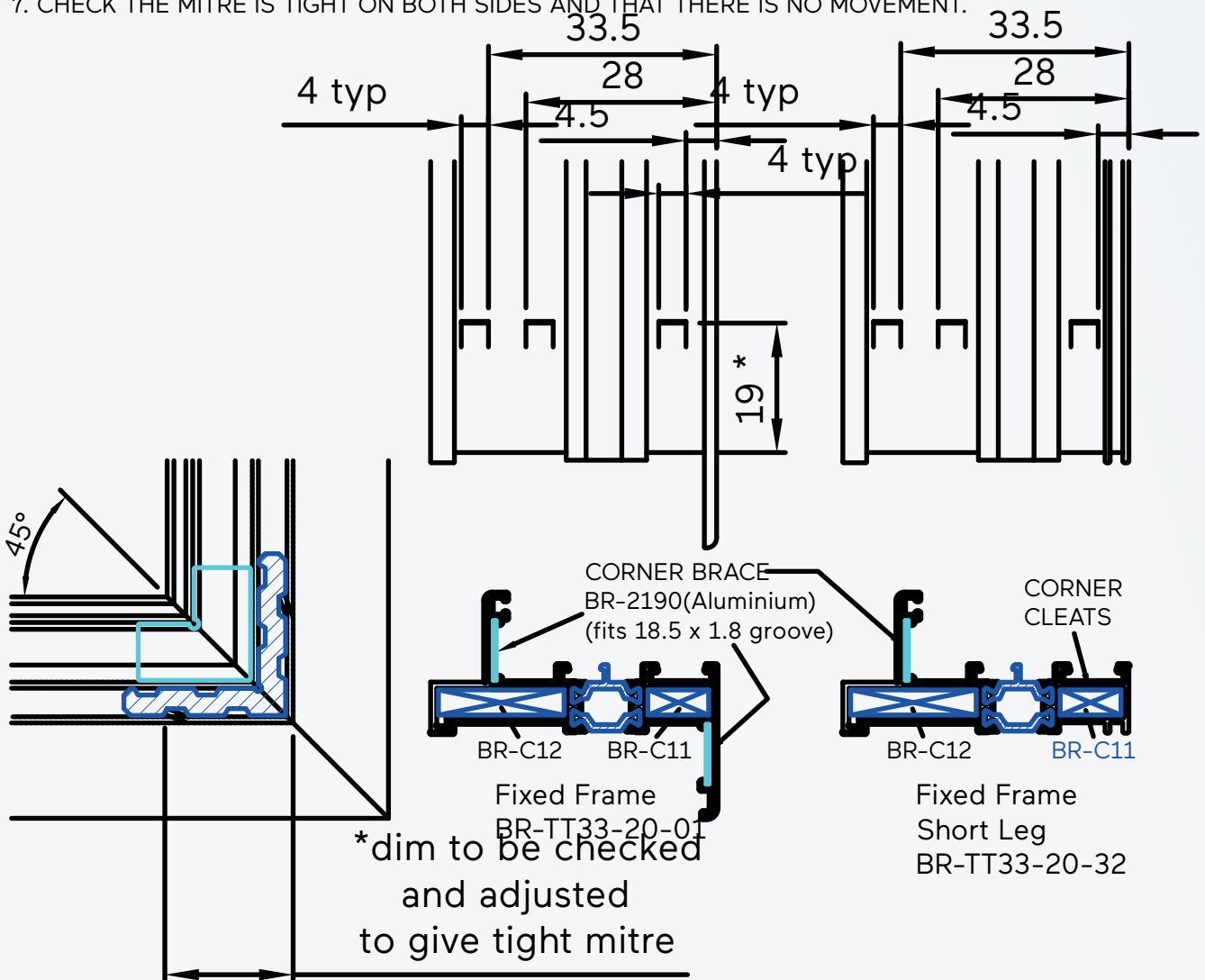
BR-SL07
Interlock

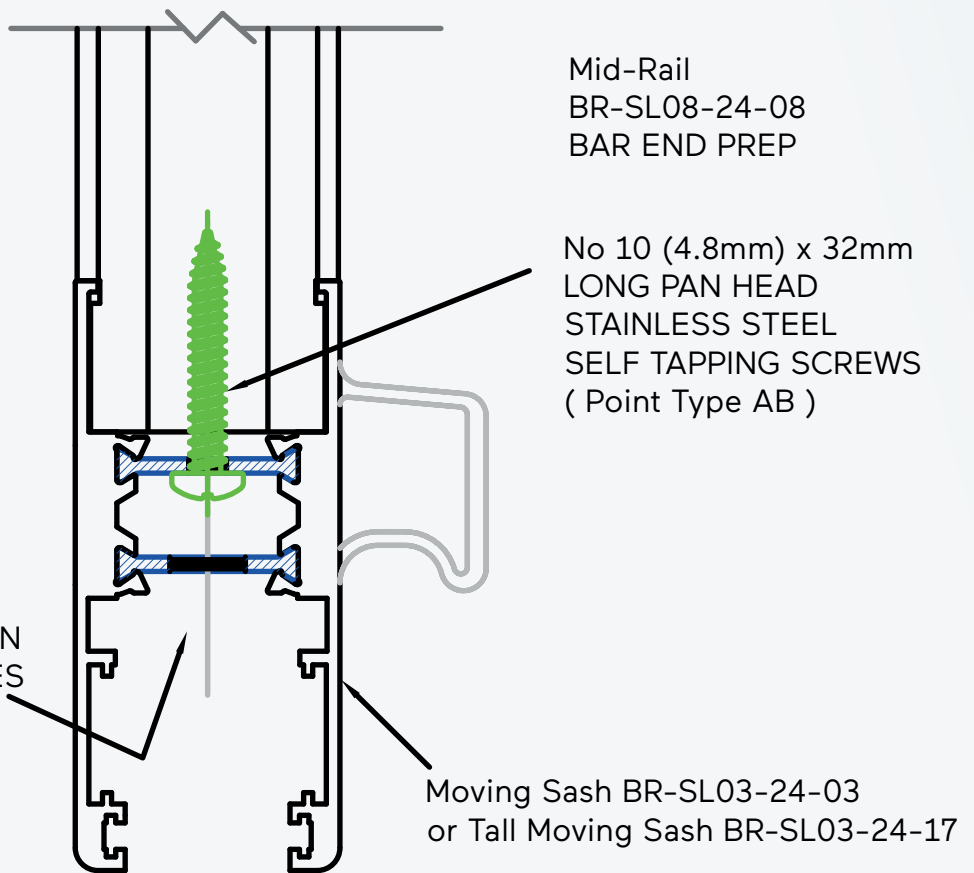
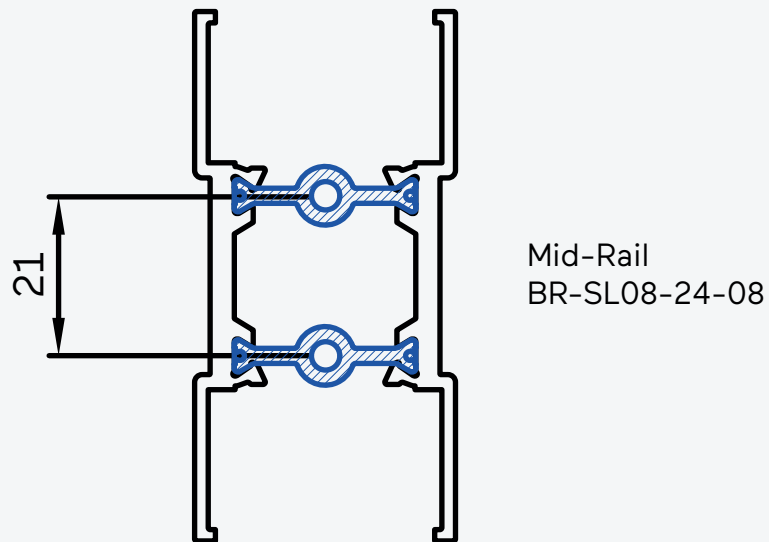


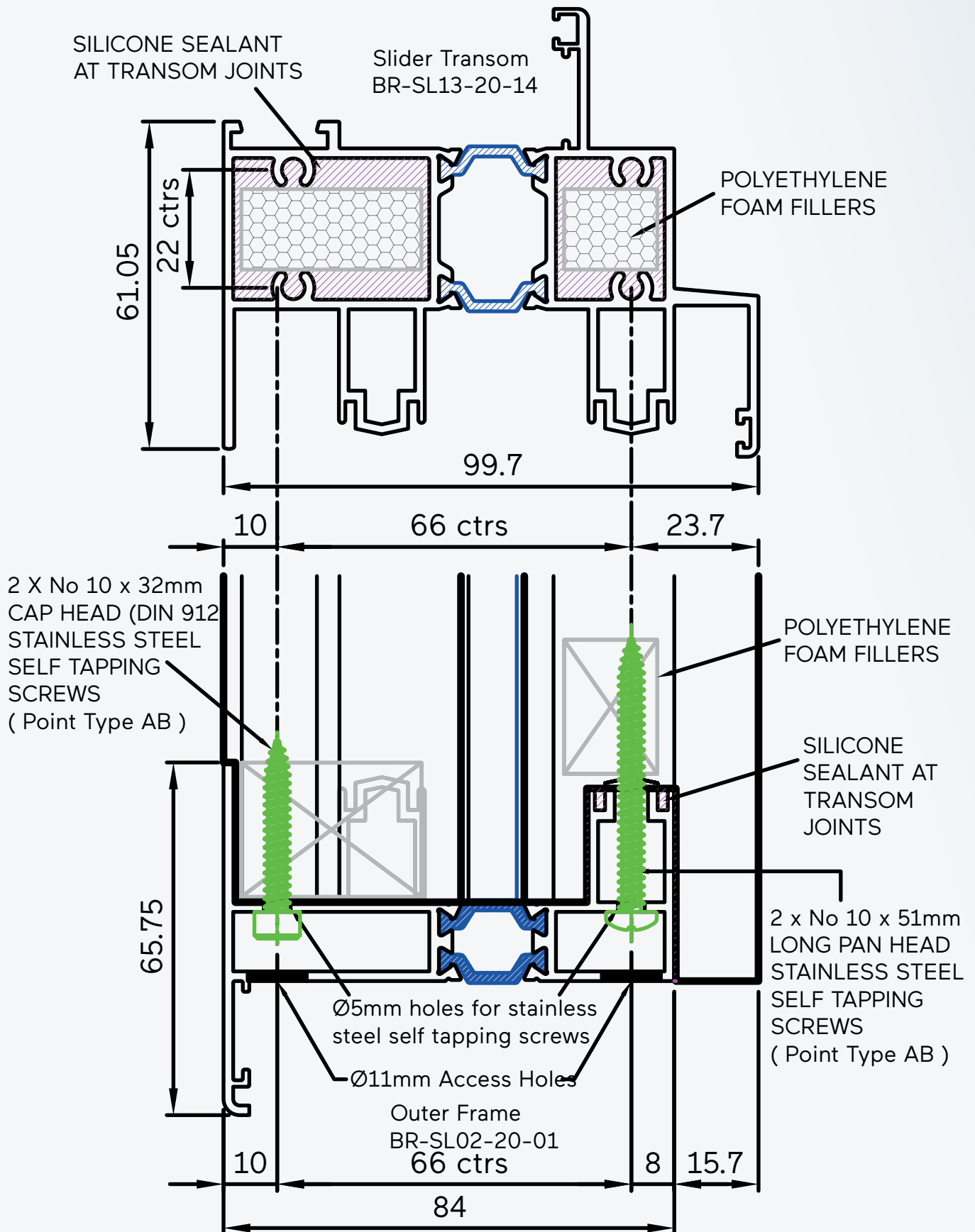


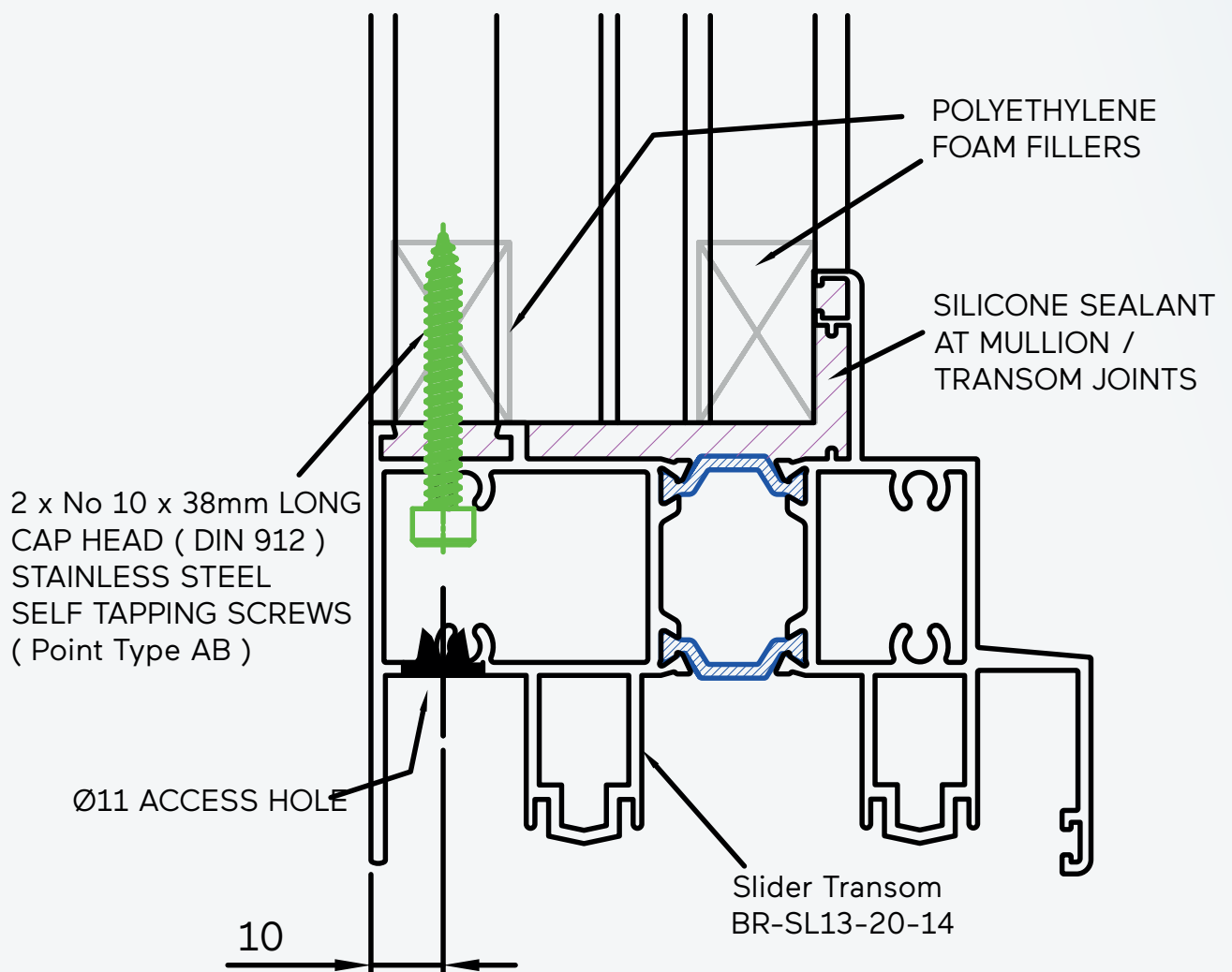
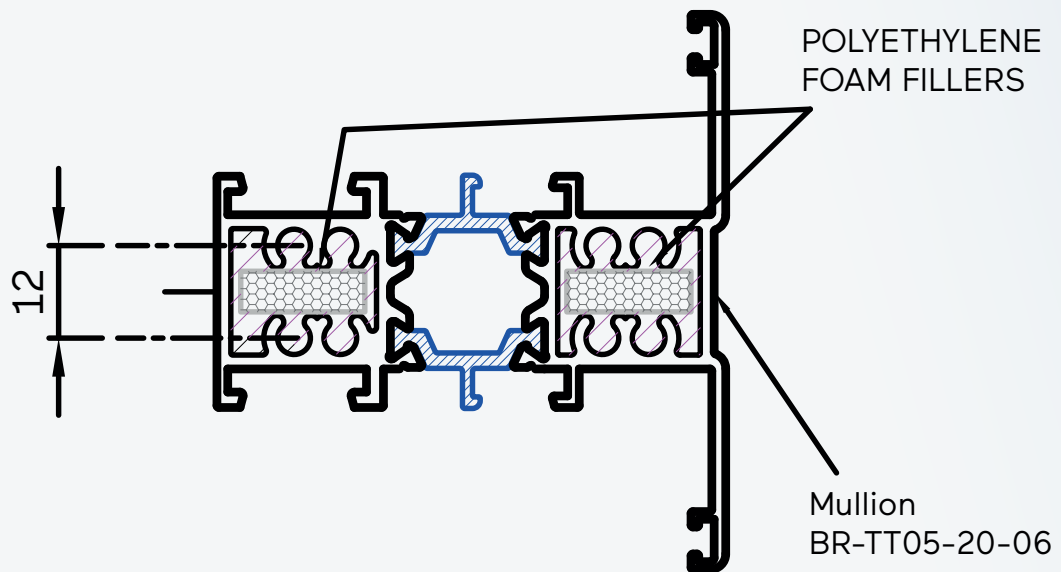
IMPORTANT; PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY. THE USE OF ADHESIVE IS RECOMMENDED TO ENSURE THE STABILITY OF CORNER JOINTS.

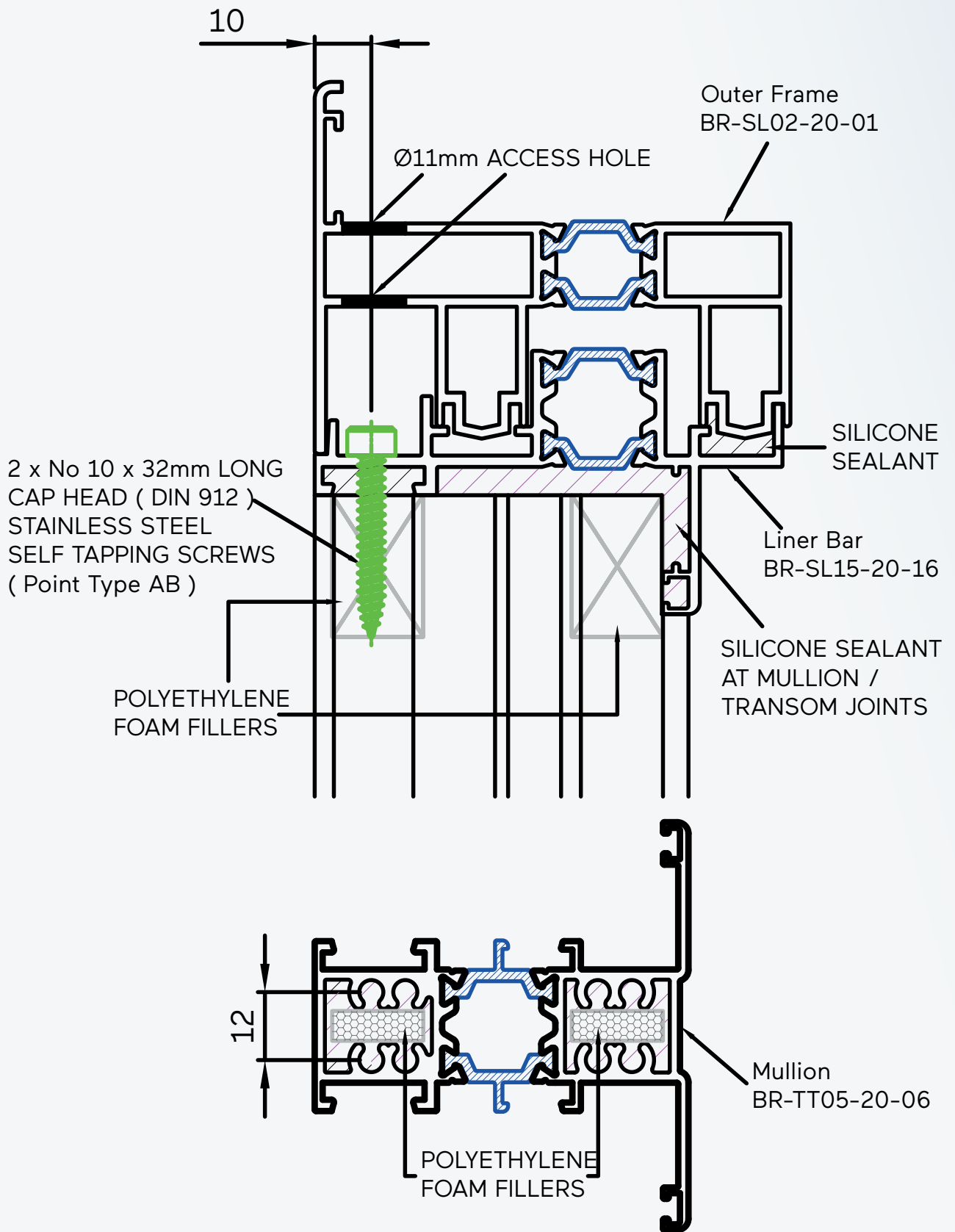
1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
2. ADHESIVE SHOULD BE APPLIED TO THE PERIMETER OF THE CLEAT CHAMBERS IN THE SECTIONS AND TO THE CORNER BRACE GROOVE.
3. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM PROFILES. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
4. INSERT CORNER CLEAT AND BRACES AND PUSH SECTIONS TOGETHER. ENSURE MITRED JOINT IS ALIGNED AND TRUE. CRIMP FULLY ASSEMBLED MITRED CORNER.
5. WIPE AWAY ANY EXCESS ADHESIVE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL BEAD AND GASKET RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
6. SEAL CRIMPS WITH SILICONE.
7. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.

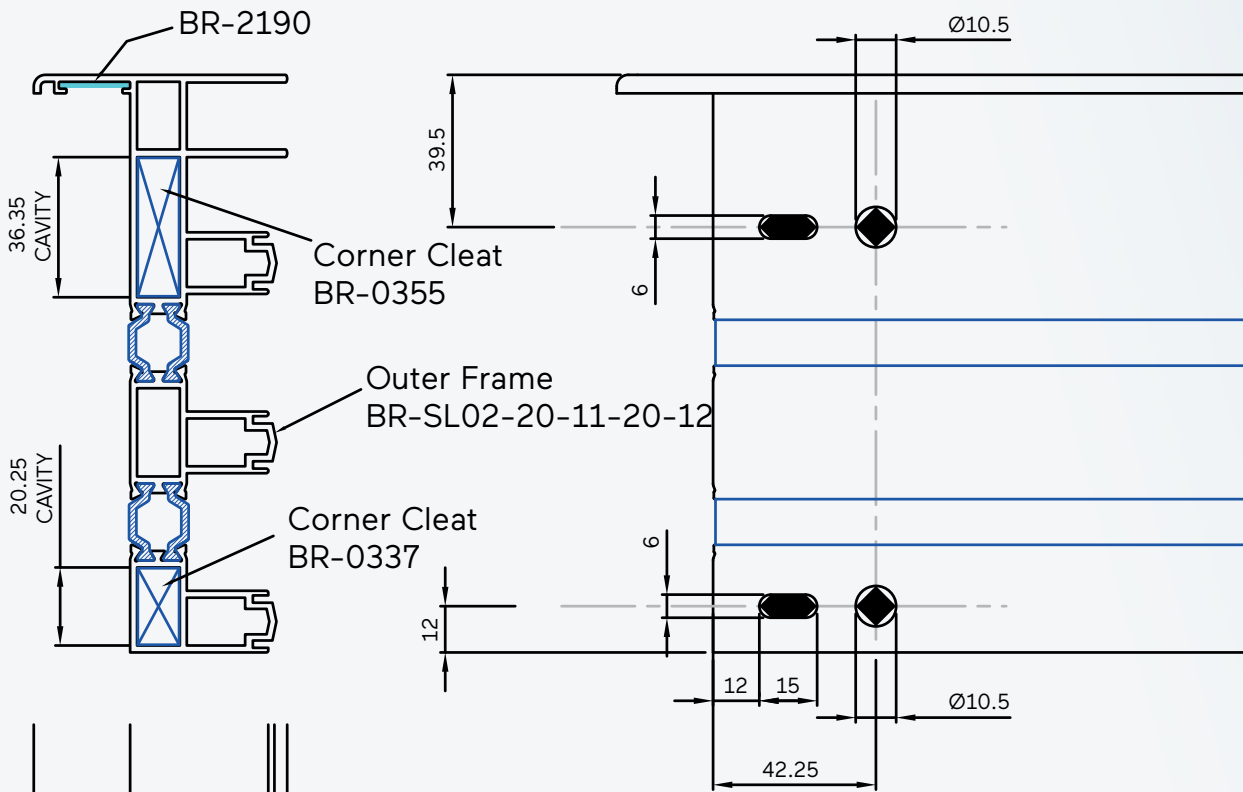








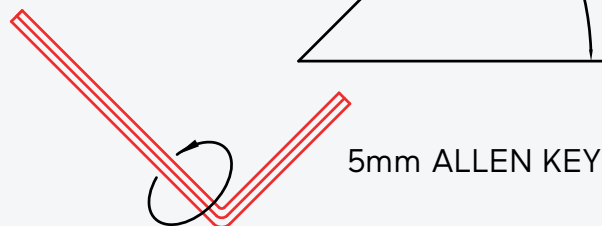
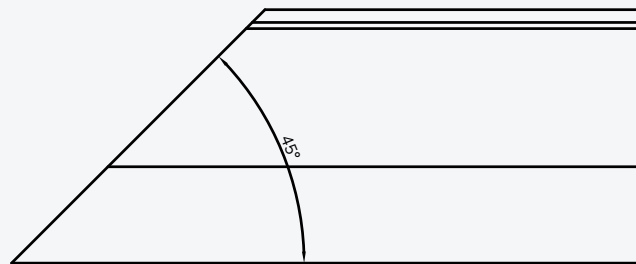
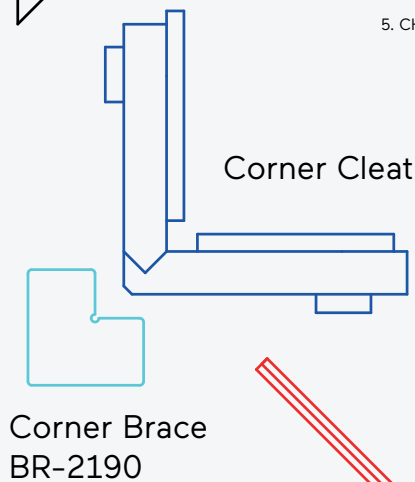


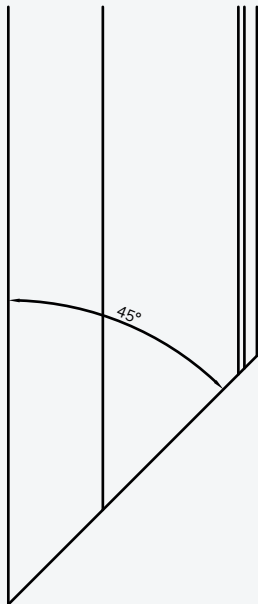
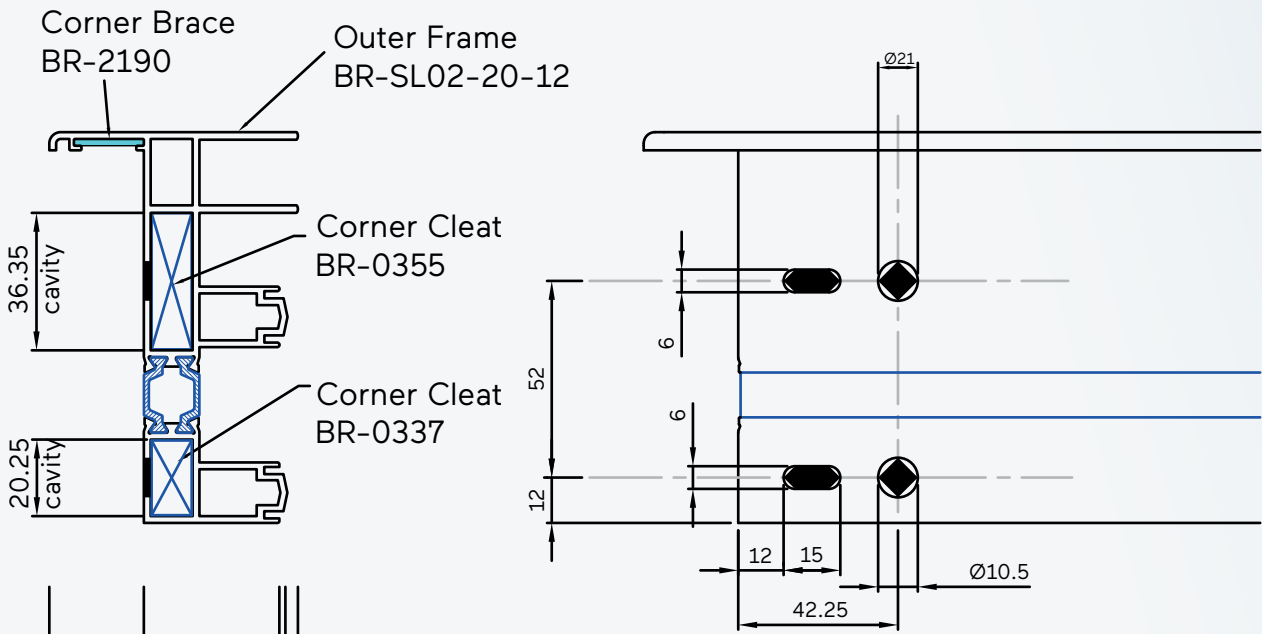


IMPORTANT: PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY.
BRITAL advise the use of adhesive to ensure the stability of corner joints.

HOLE PREPARATIONS AND SLOTS IN THE END OF THE BARS MUST BE COMPLETED BEFORE ASSEMBLY.

1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
2. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
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4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.

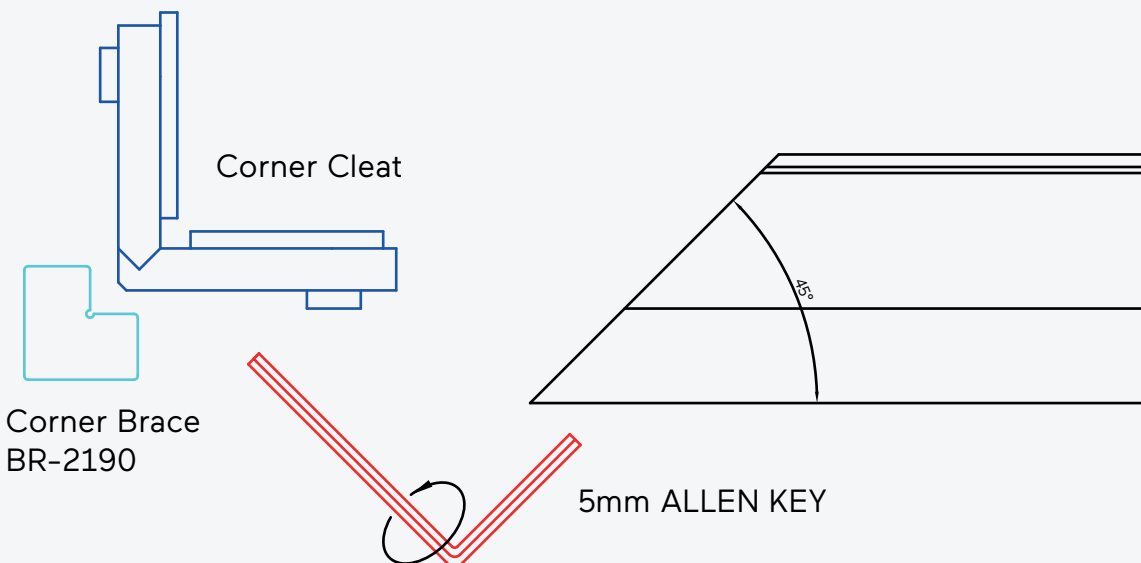


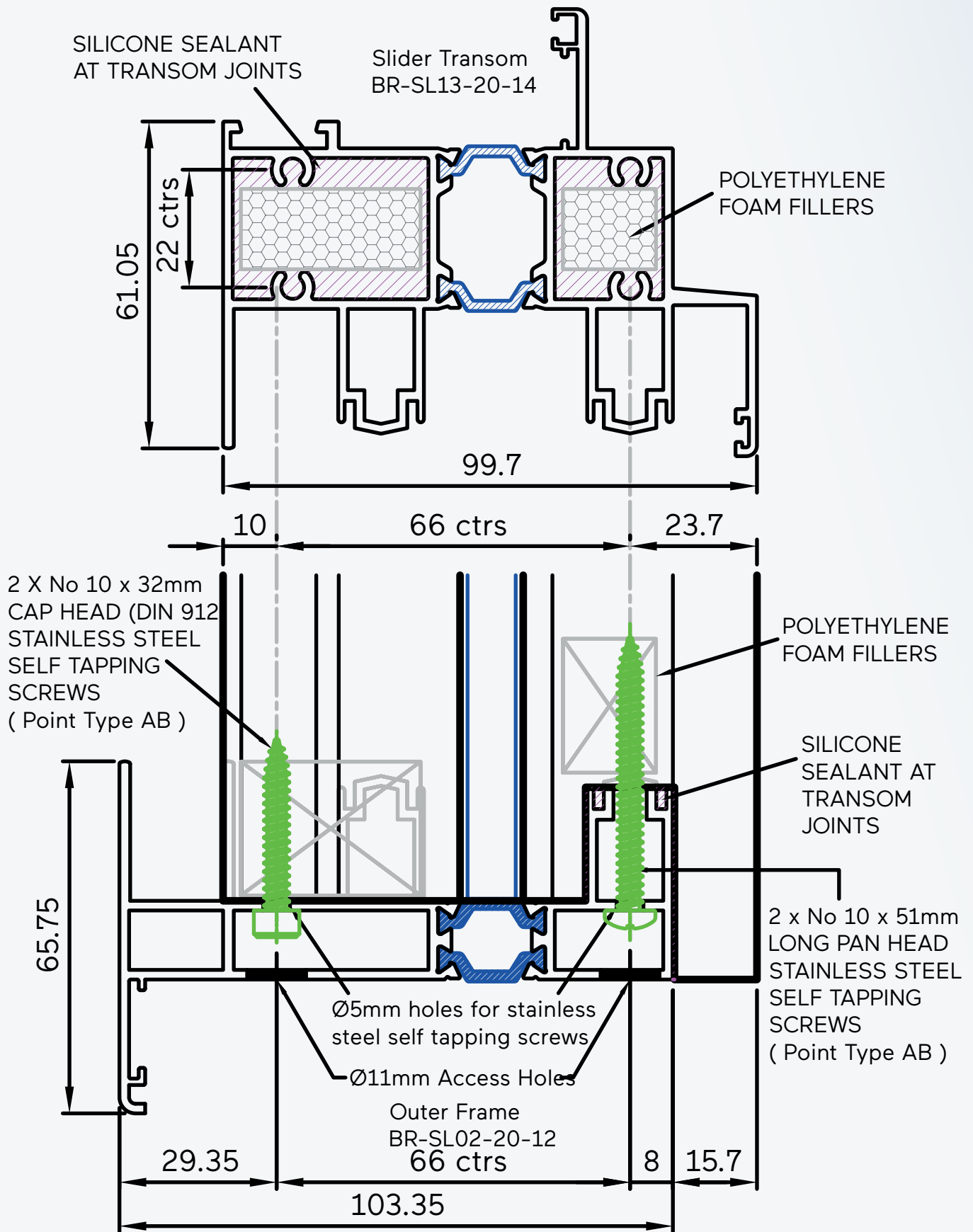


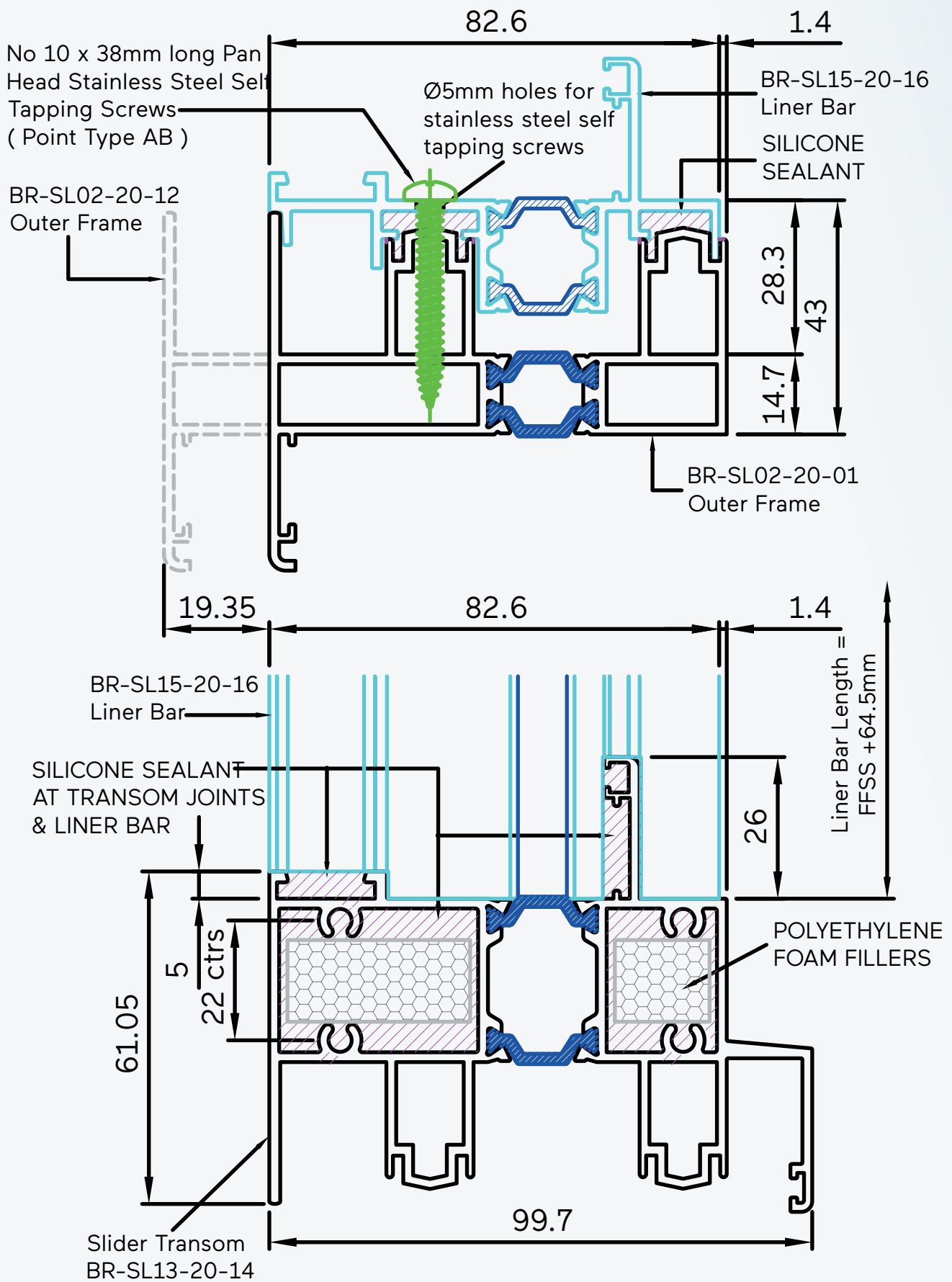
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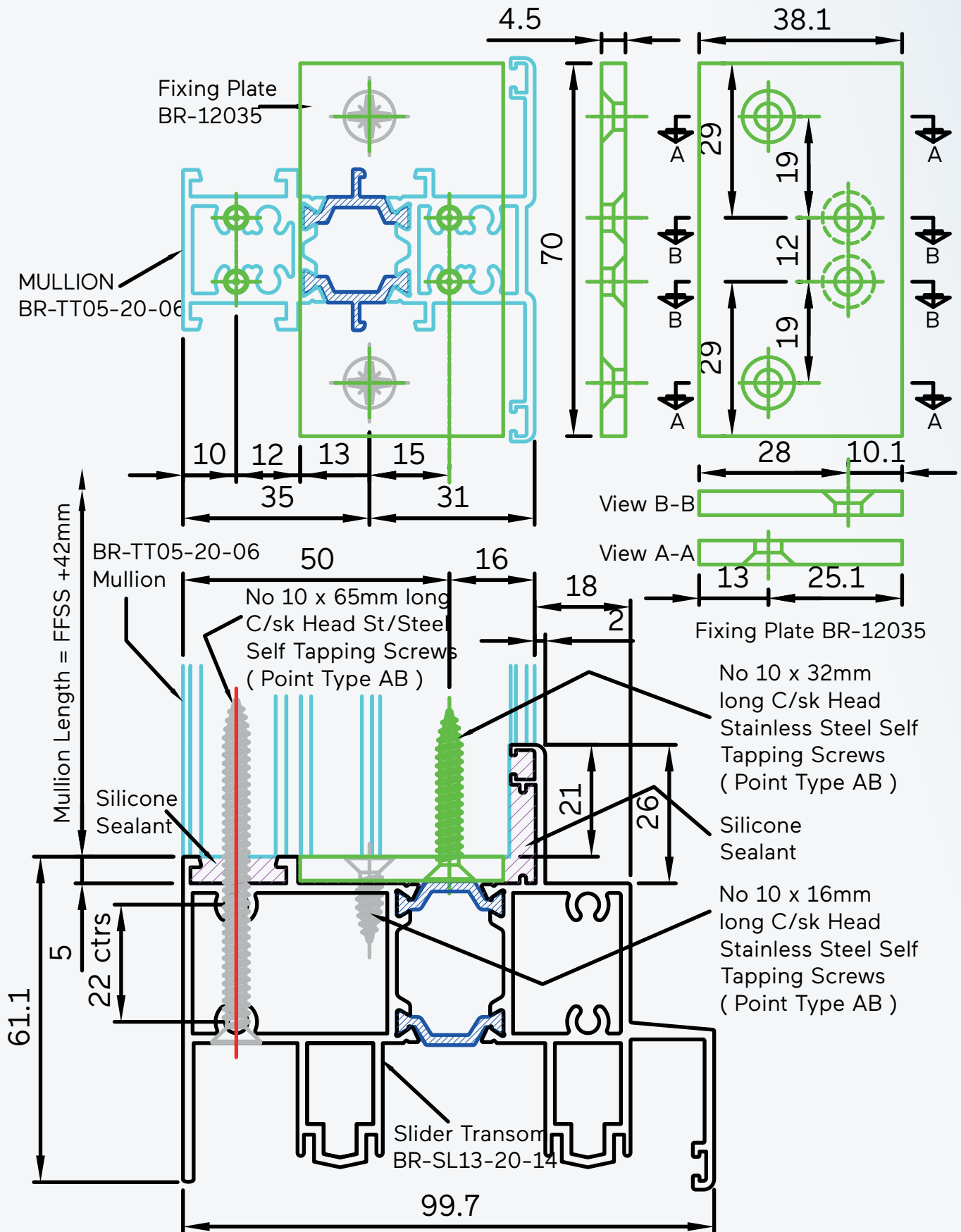
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4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.



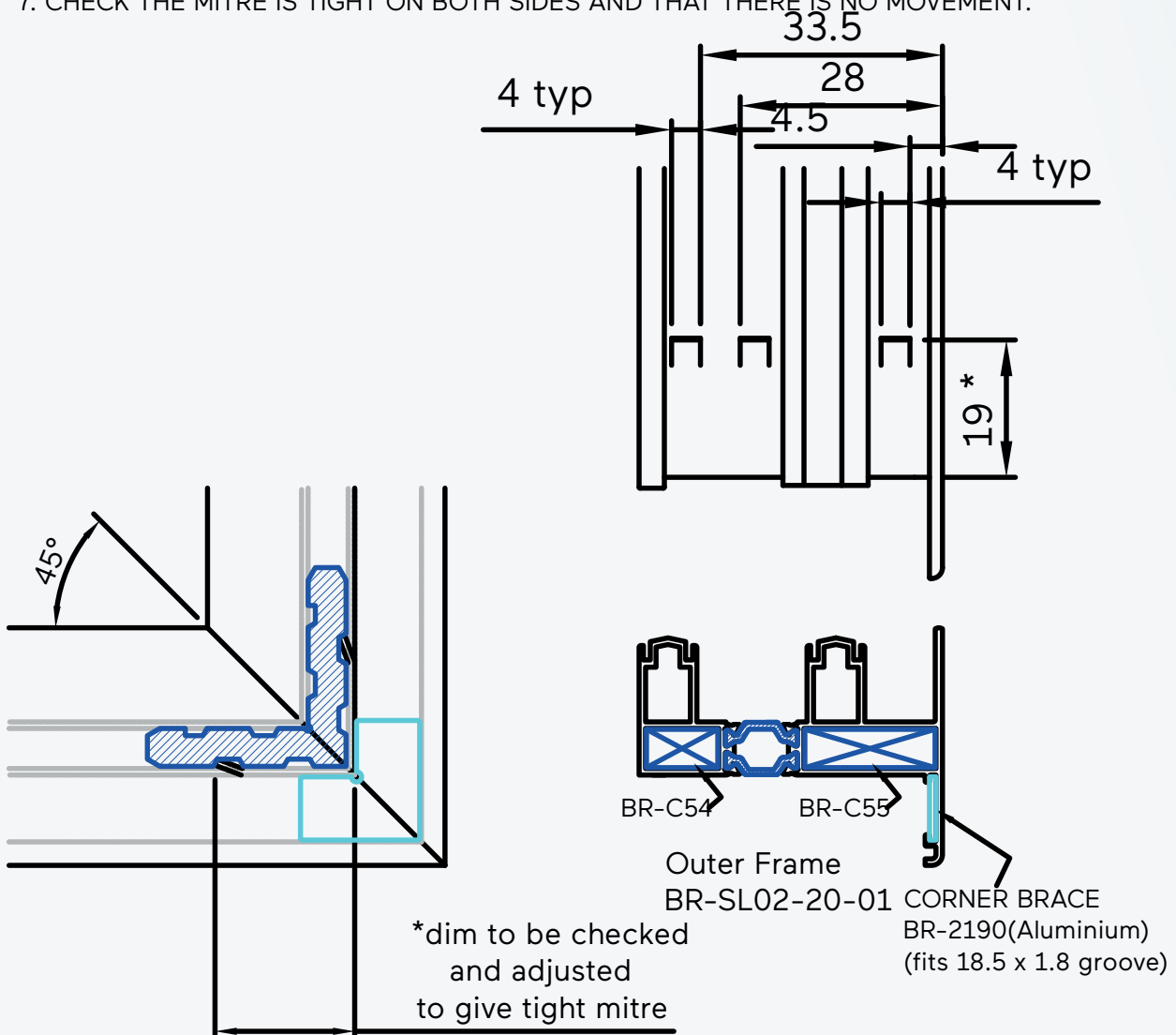


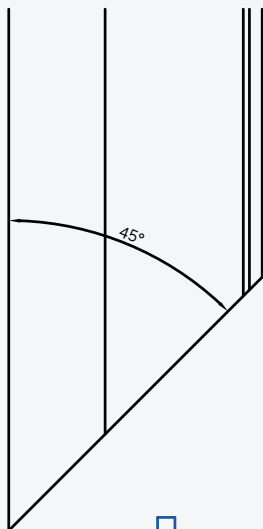
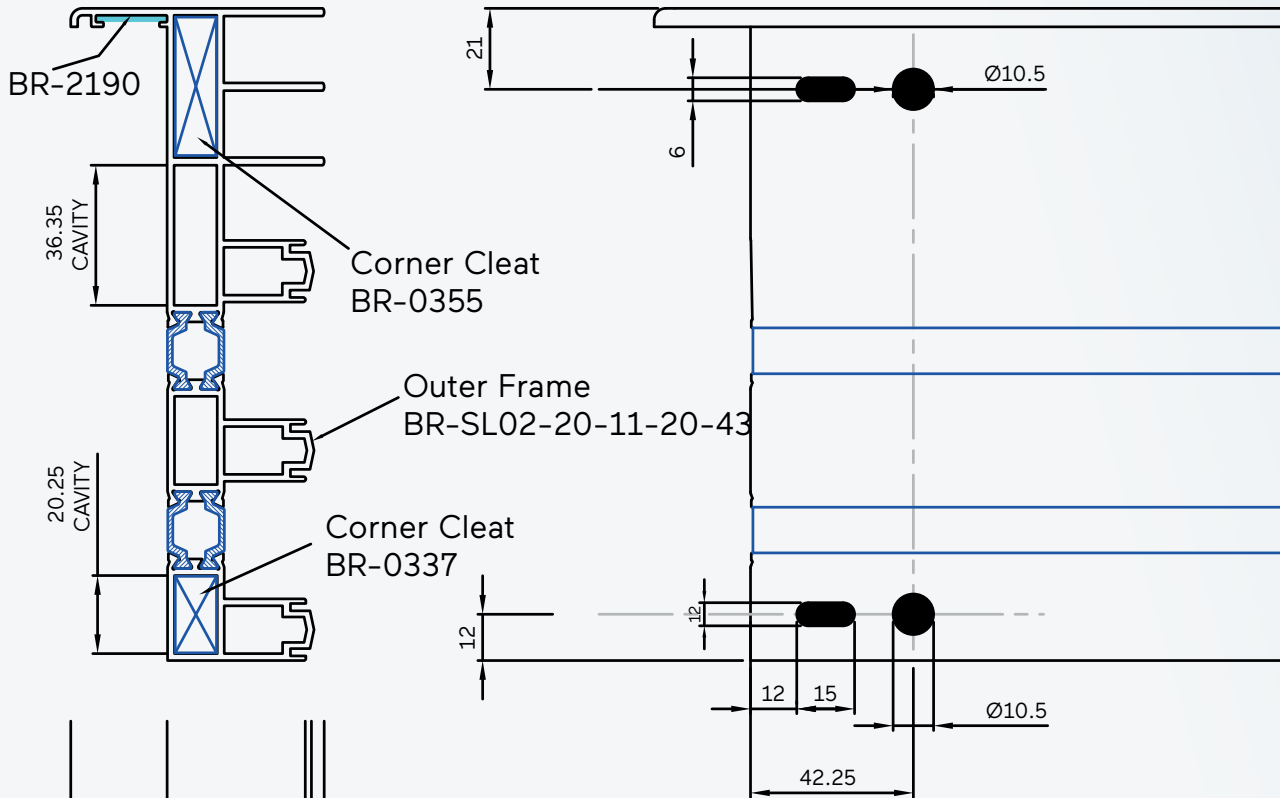




IMPORTANT; PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY. THE USE OF ADHESIVE IS RECOMMENDED TO ENSURE THE STABILITY OF CORNER JOINTS.

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3. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM PROFILES. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
4. INSERT CORNER CLEAT AND BRACES AND PUSH SECTIONS TOGETHER. ENSURE MITRED JOINT IS ALIGNED AND TRUE. CRIMP FULLY ASSEMBLED MITRED CORNER.
5. WIPE AWAY ANY EXCESS ADHESIVE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL BEAD AND GASKET RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
6. SEAL CRIMPS WITH SILICONE.
7. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.

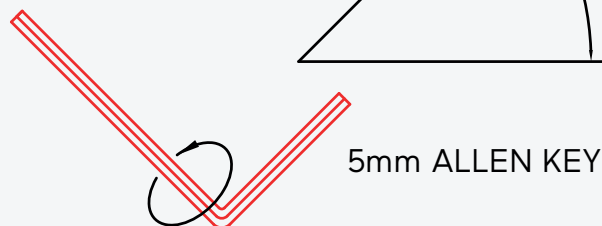
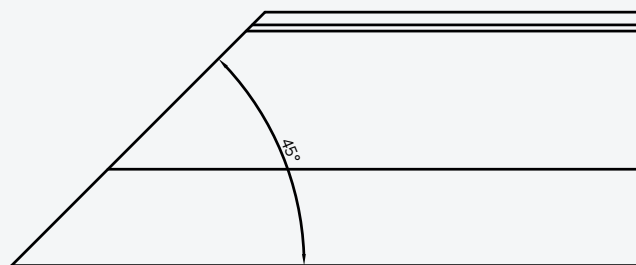
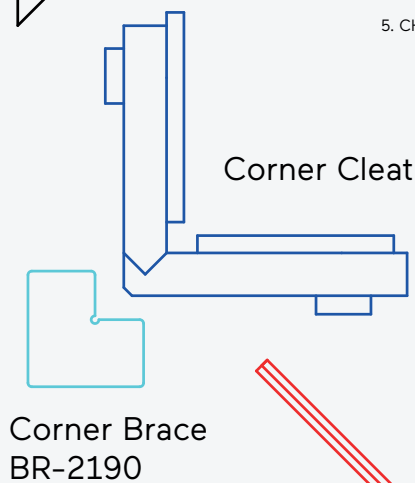


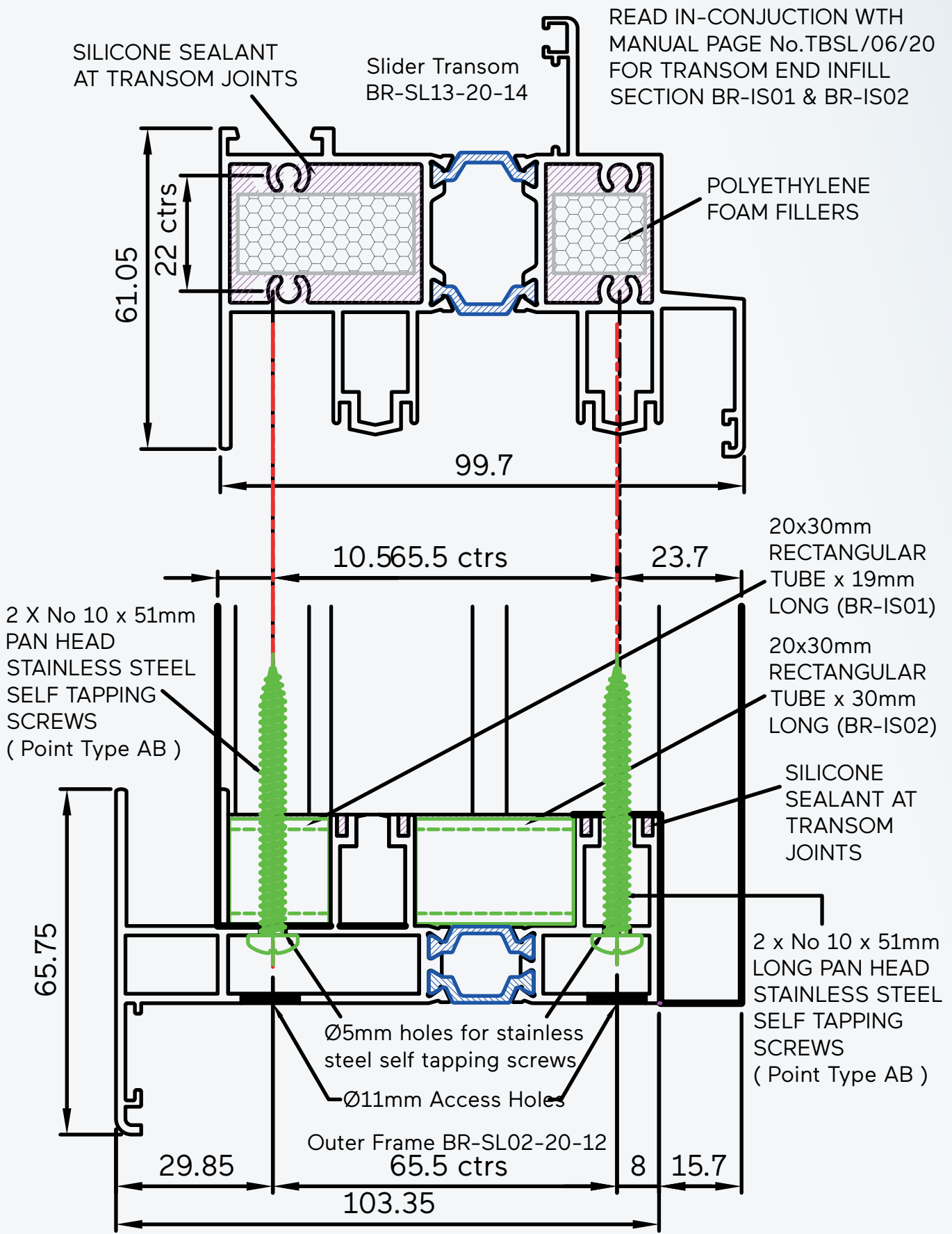


IMPORTANT: PLEASE READ THESE NOTES BEFORE CORNER ASSEMBLY.
BRITAL advise the use of adhesive to ensure the stability of corner joints.

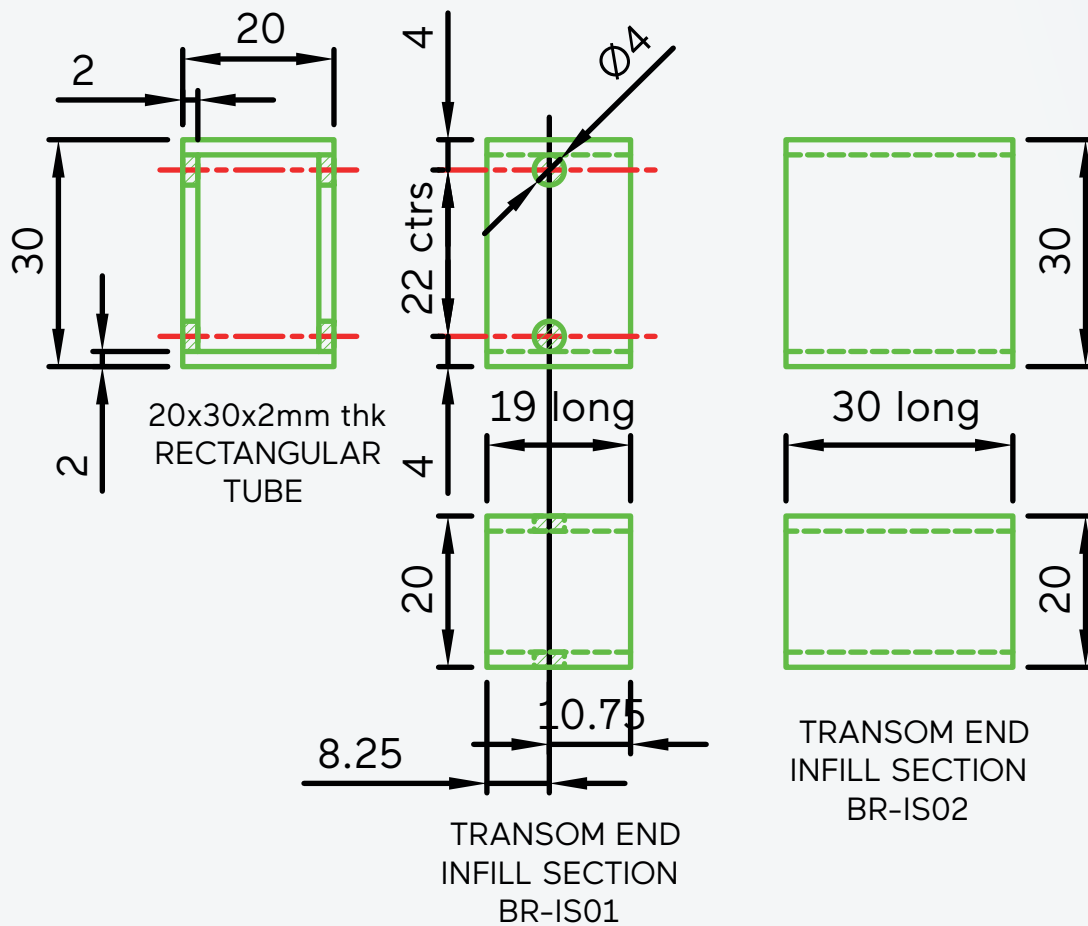
HOLE PREPARATIONS AND SLOTS IN THE END OF THE BARS MUST BE COMPLETED BEFORE ASSEMBLY.

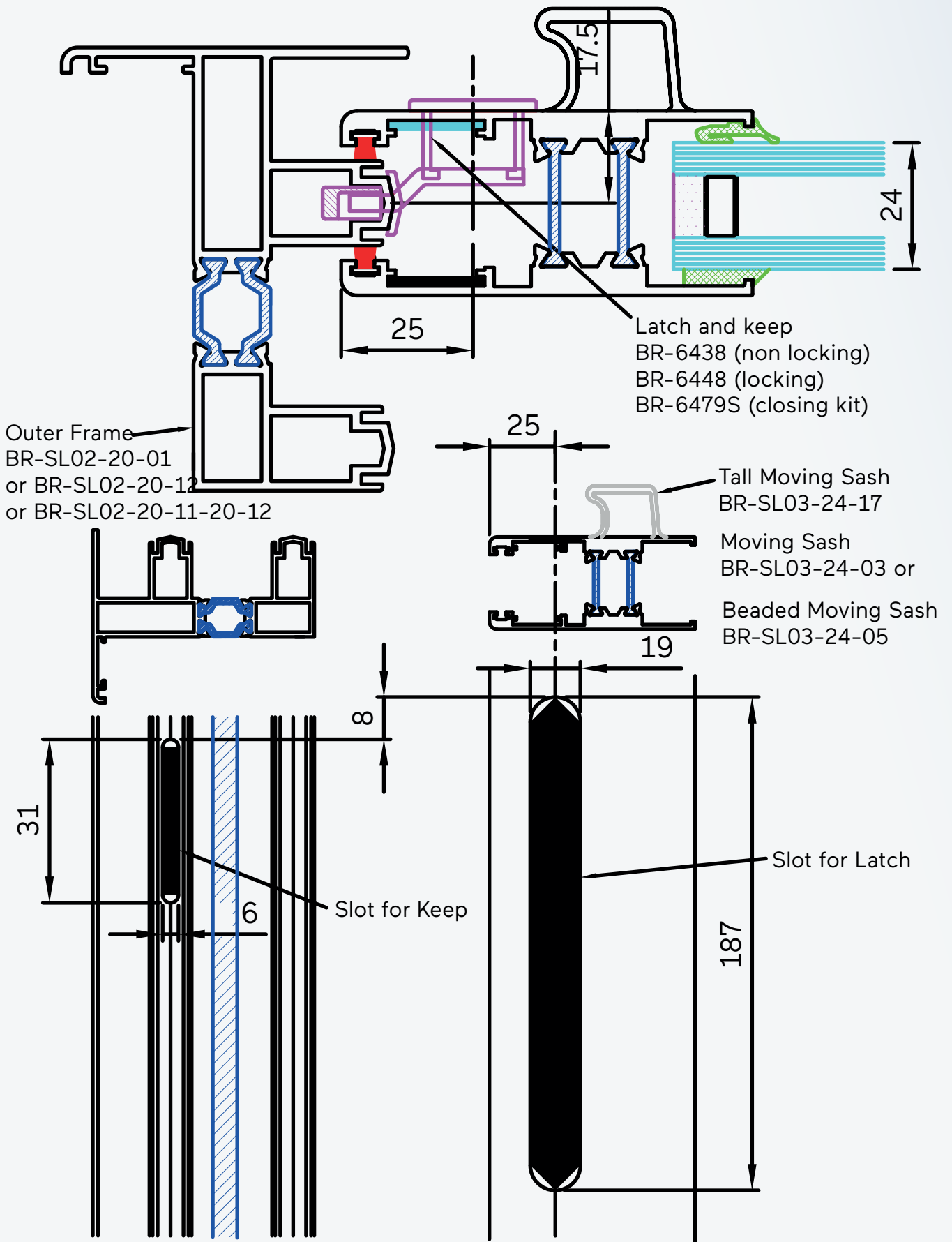
1. BEFORE APPLYING ANY ADHESIVE ENSURE ALL SURFACES TO BE GLUED ARE FREE FROM GREASE OR DUST. CLEAN ALL ALUMINIUM MATING SURFACES WITH METAL CLEANING AGENT.
2. APPLY SMALL GAP SEALANT TO THE MATING SURFACES OF THE MITRE CUT ALUMINIUM. SEALANT NEED ONLY BE APPLIED TO ONE SIDE OF THE MITRED JOINT.
3. INSERT CORNER CLEAT AND BRACES AND PUSH SECTIONS TOGETHER. ENSURE MITRED JOINT IS ALIGNED AND TRUE. TIGHTEN SCREW IN CLEAT TO CLOSE UP JOINT.
4. WIPE AWAY ANY EXCESS GLUE / SEALANT FROM THE MITRED JOINT USING A SUITABLE CLEANING AGENT. ENSURE ALL RECESSES ARE CLEAR OF ADHESIVE / SEALANT.
5. CHECK THE MITRE IS TIGHT ON BOTH SIDES AND THAT THERE IS NO MOVEMENT.

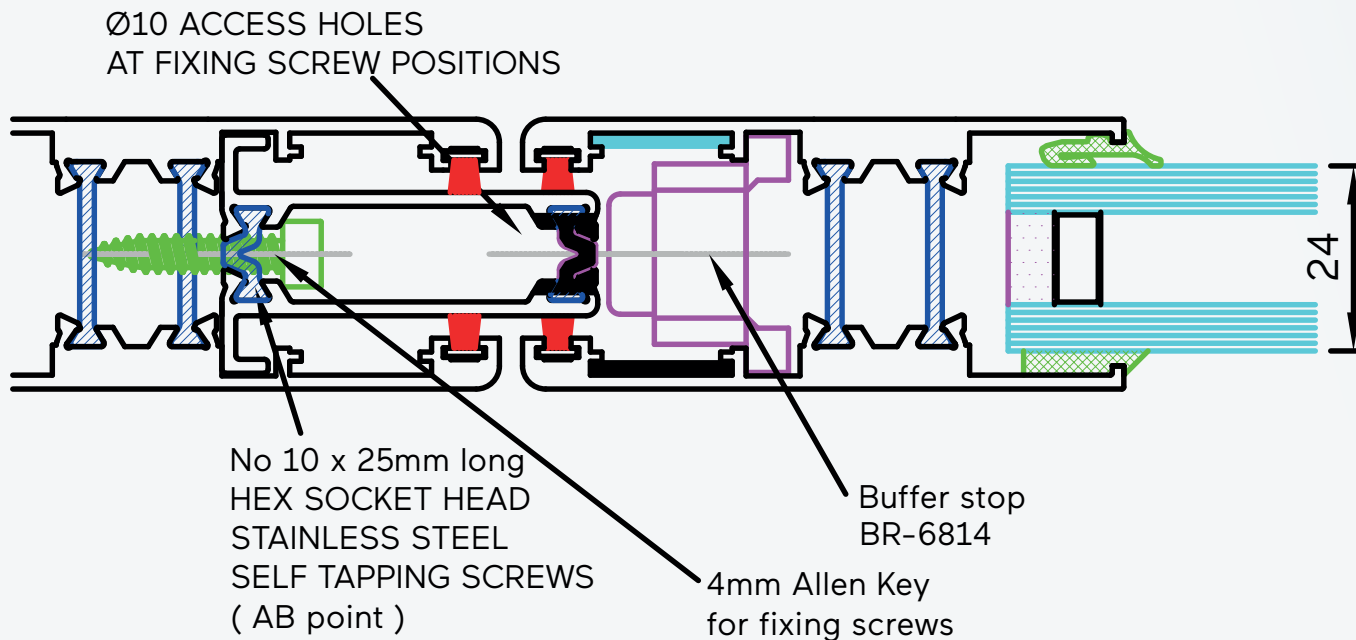
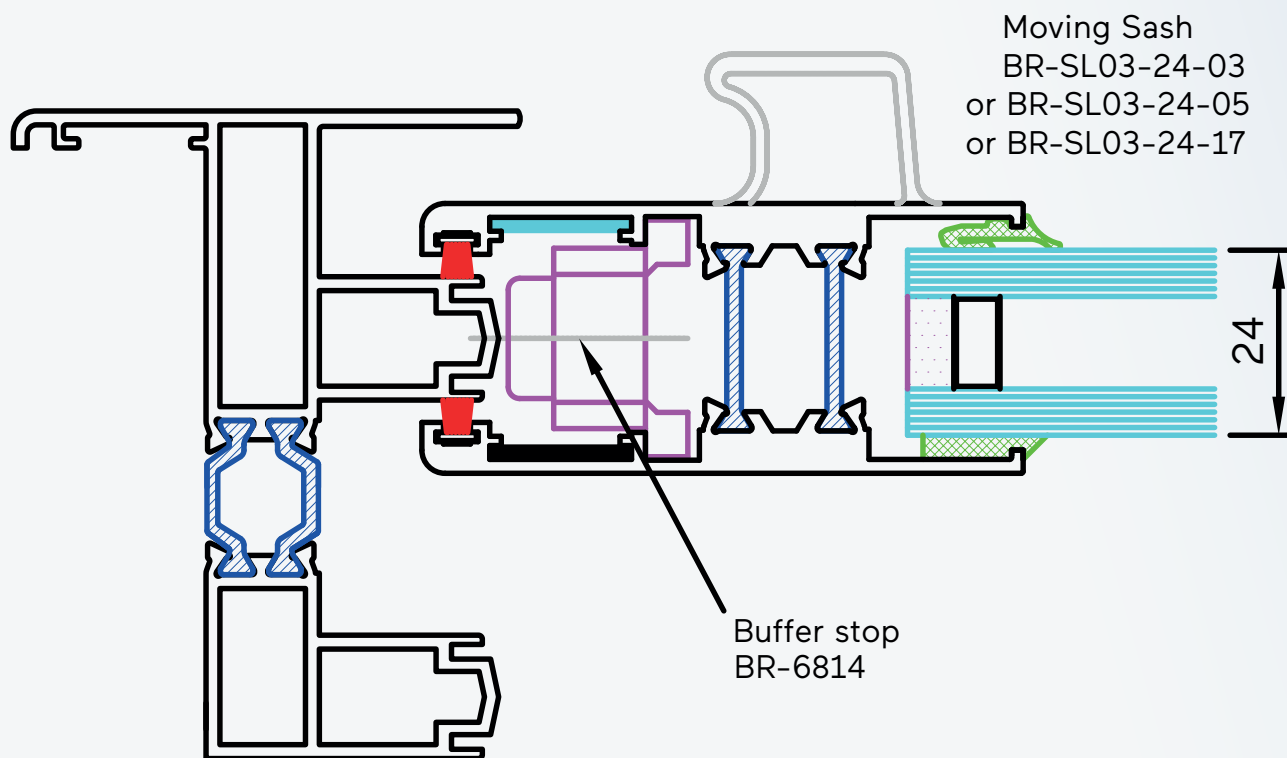




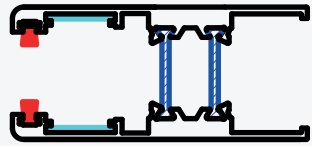
READ IN-CONJUNCTION WITH
 MANUAL PAGE No.TBSL/06/19
 FOR LOCATION OF TRANSOM
 END INFILL SECTION



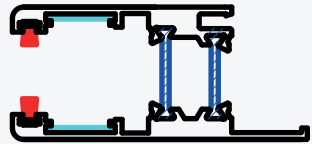




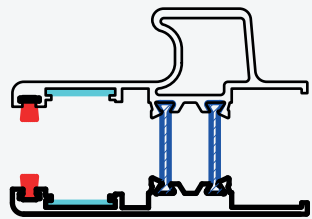
Buffer stops to be fitted at approx. 75mm from top and bottom of moving sash.
To be clamped into position using 2.5mm Allen Key.



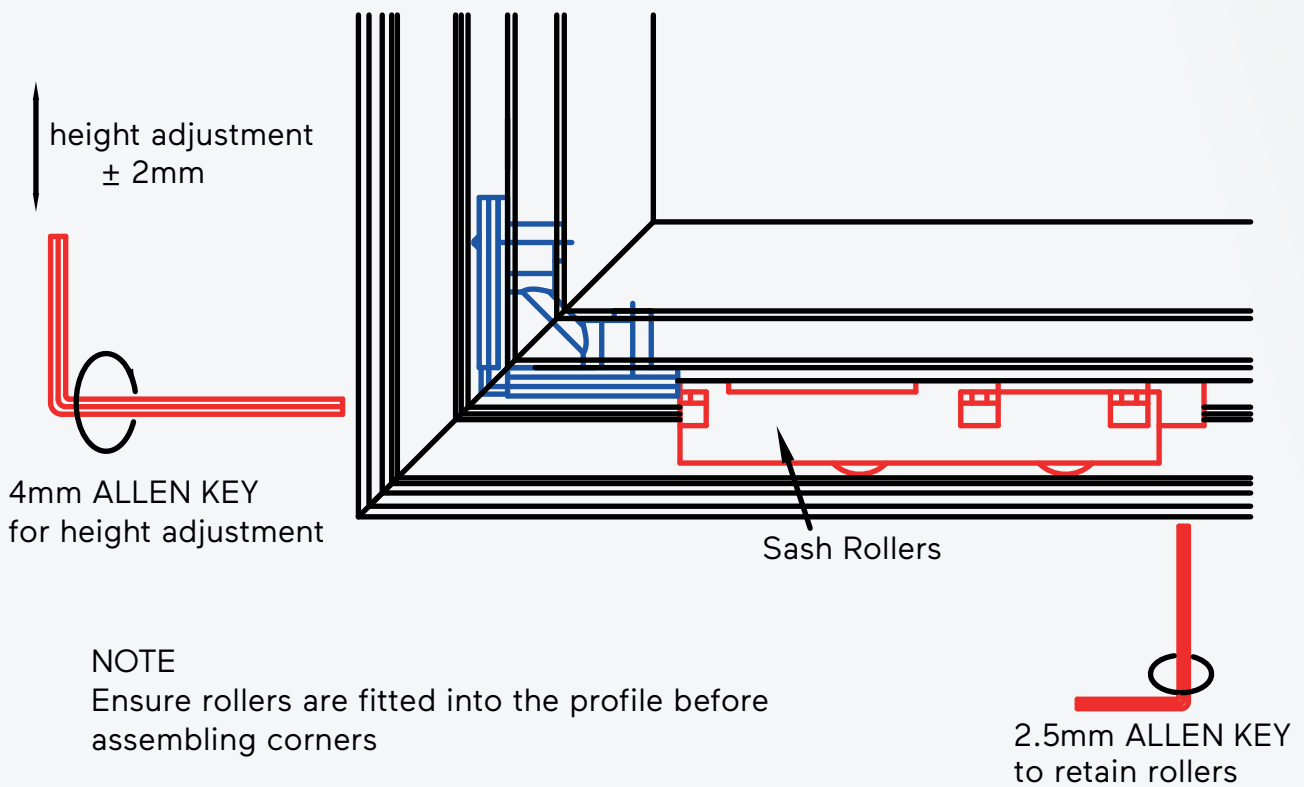
Moving Sash
BR-SL03-20-03



Beaded Moving Sash
BR-SL03-20-05



Tall Moving Sash
BR-SL03-20-17

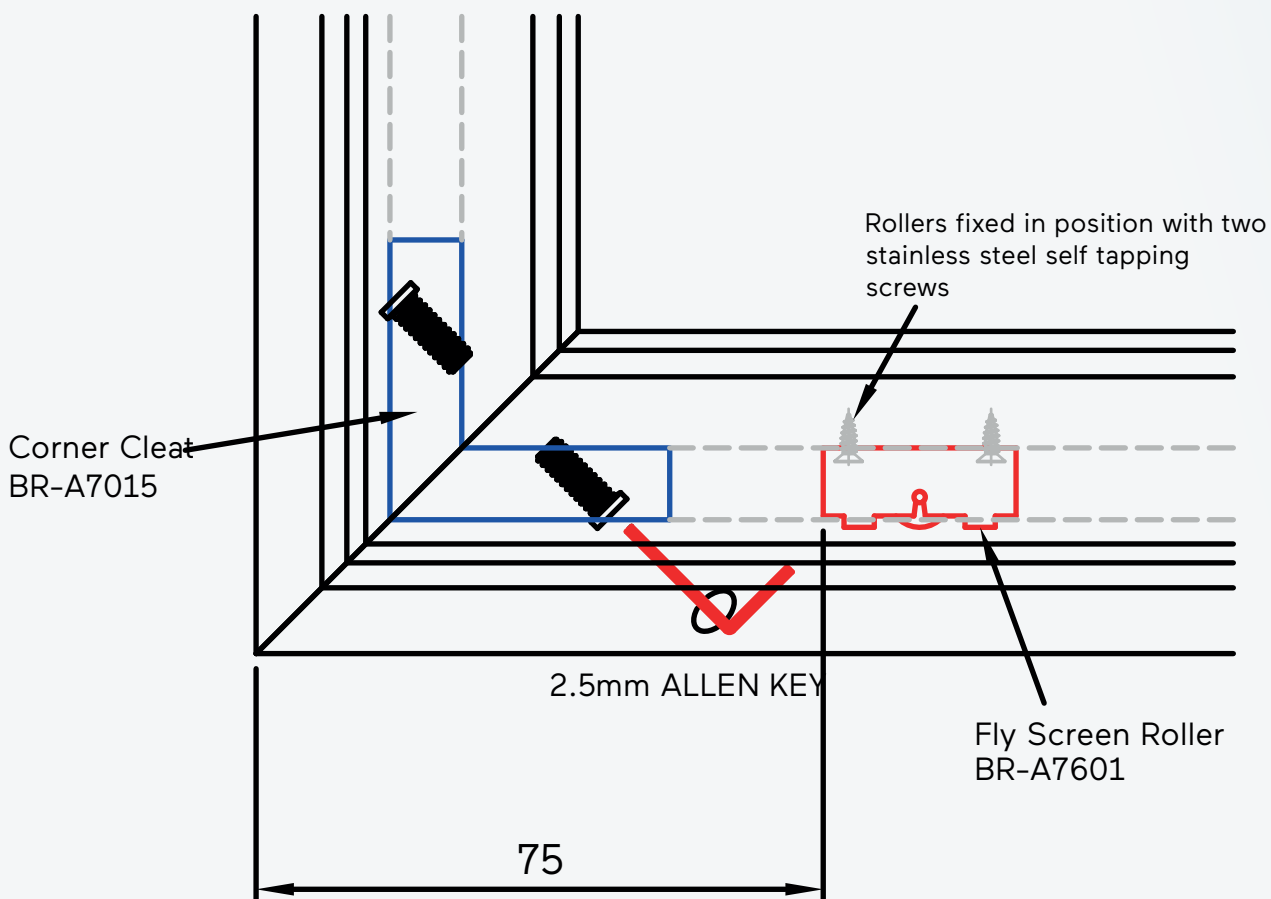


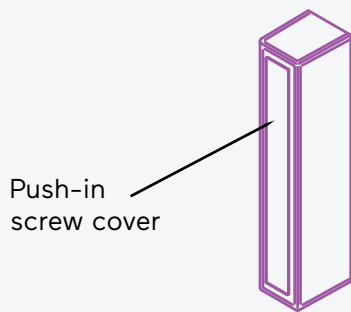
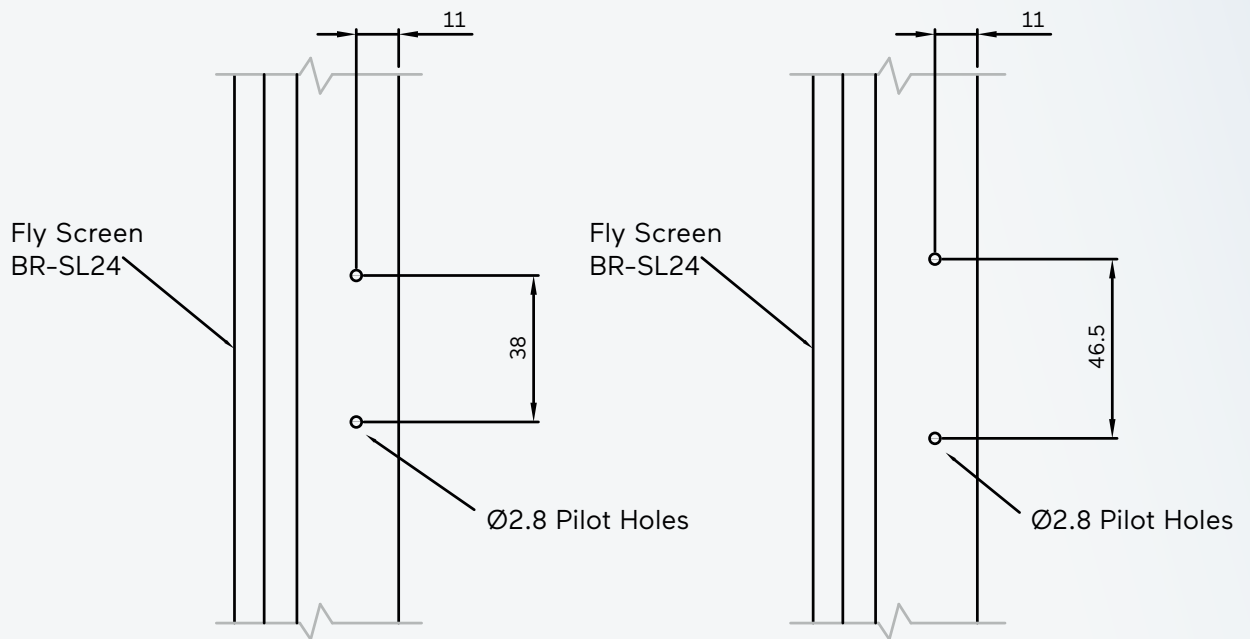
ASSEMBLY DETAILS FOR SASH ROLLERS
BR-6667.1 (Maximum Sash Weight 100 Kg) &
BR-6675.15 (Maximum Sash Weight 180 Kg)
BR-6675.34 (Maximum Sash Weight 220 Kg.)

Fly Screen
BR-SL24



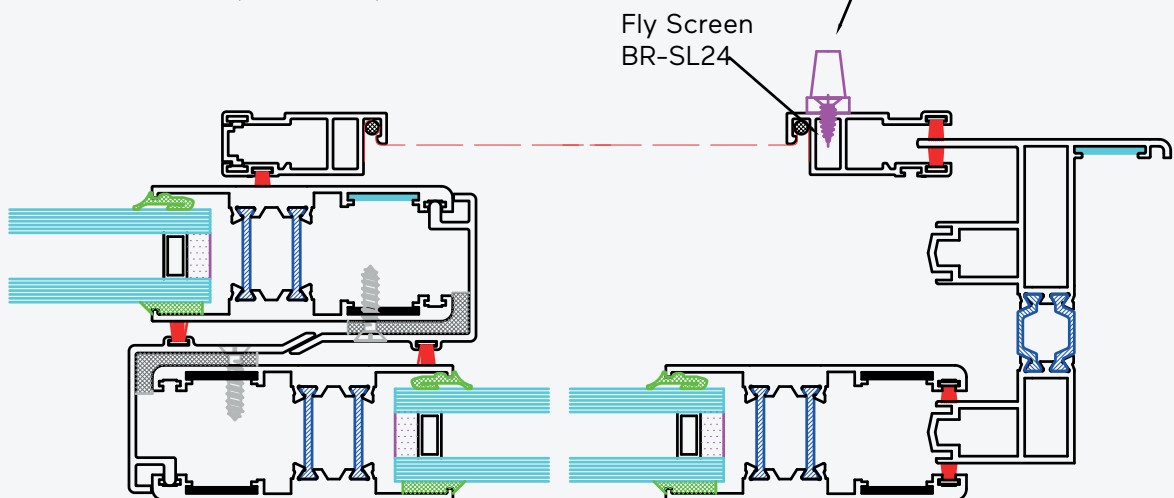
Corner Cleat
BR-A7015

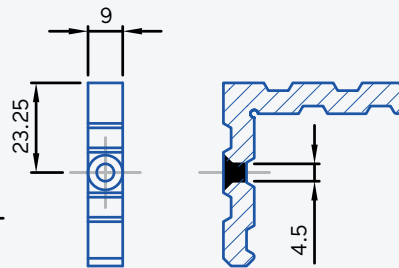
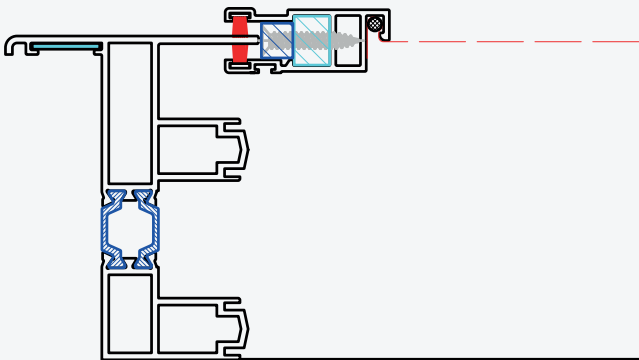
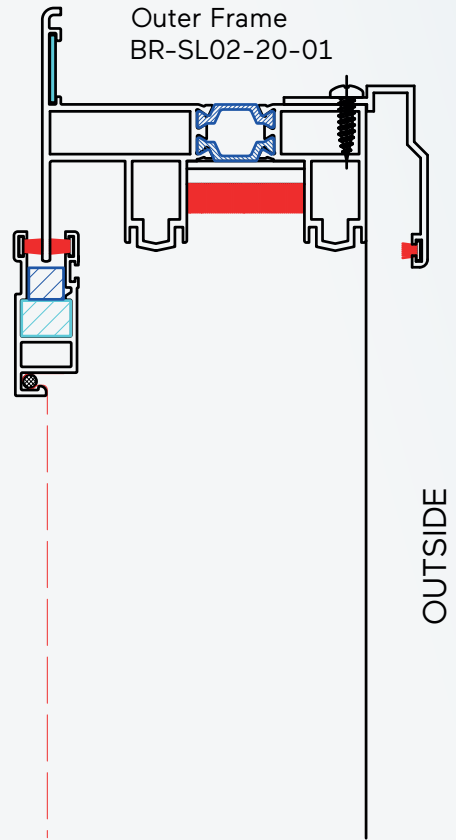
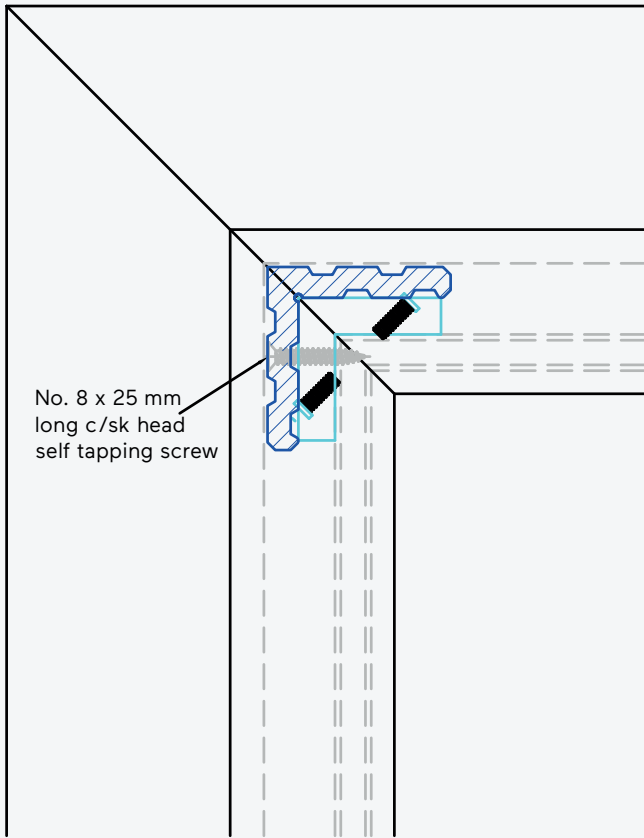




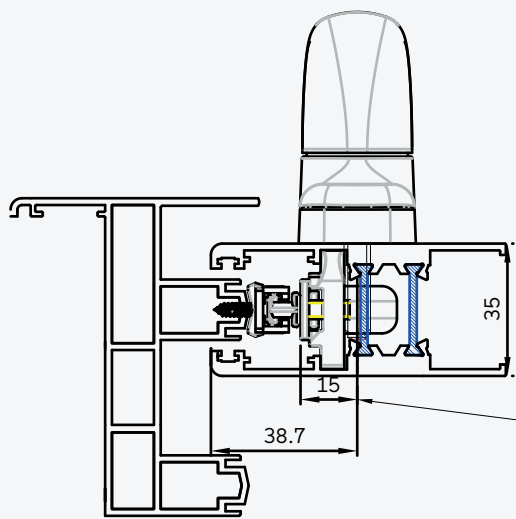
Pull Handle BR-7055 (Alternative)

Pull Handle BR-7051





CLEAT PROFILE
BR-TT09

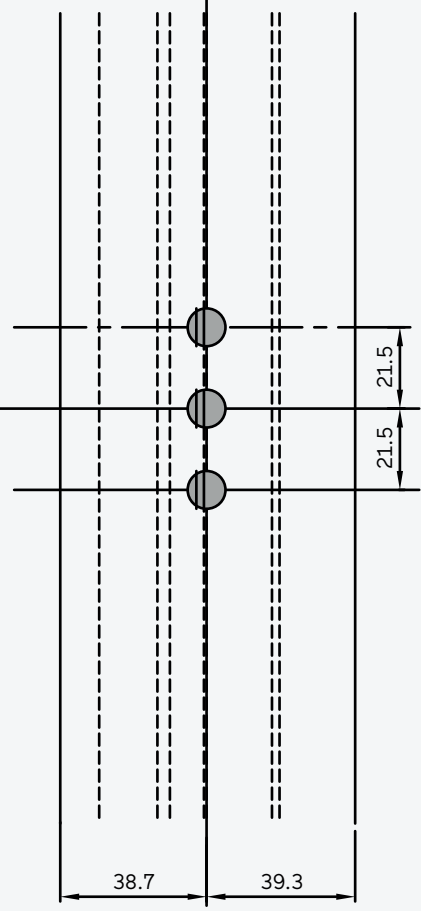
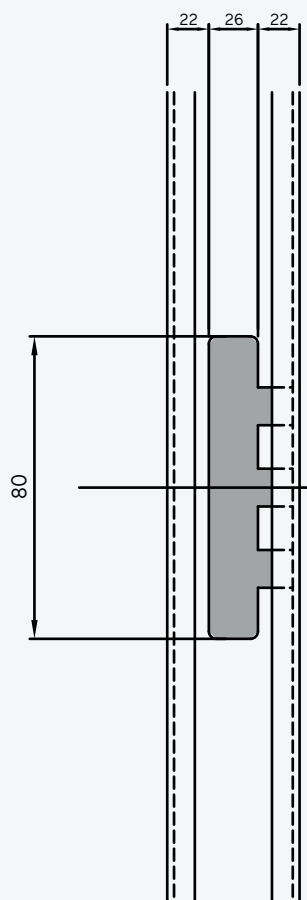
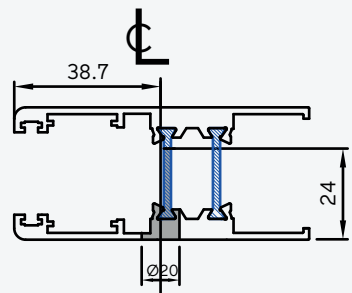


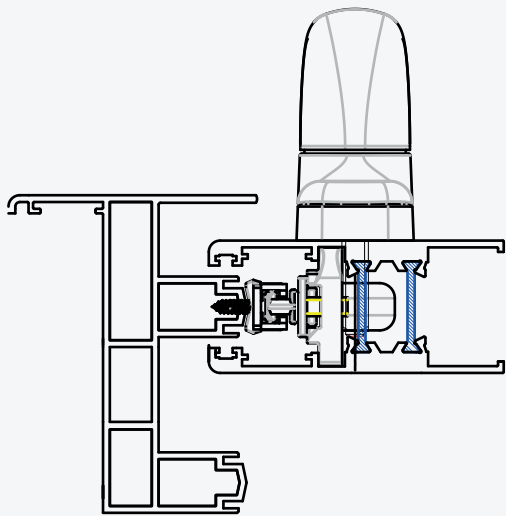
Comfort Twist Handle

BR-3070 (use on inner shutter only)

Use with non lockable version

INTERAXES 15 MM

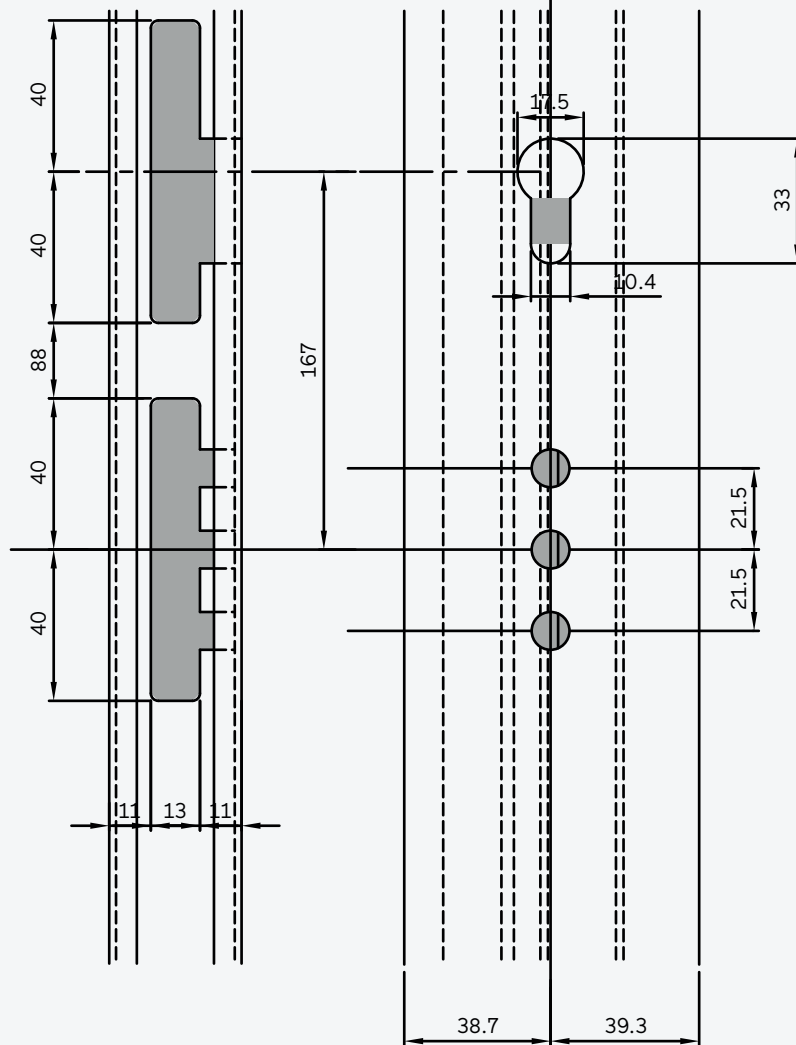
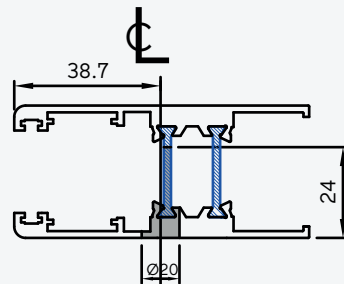




Comfort Twist Handle

BR-3070 (use on inner shutter only)

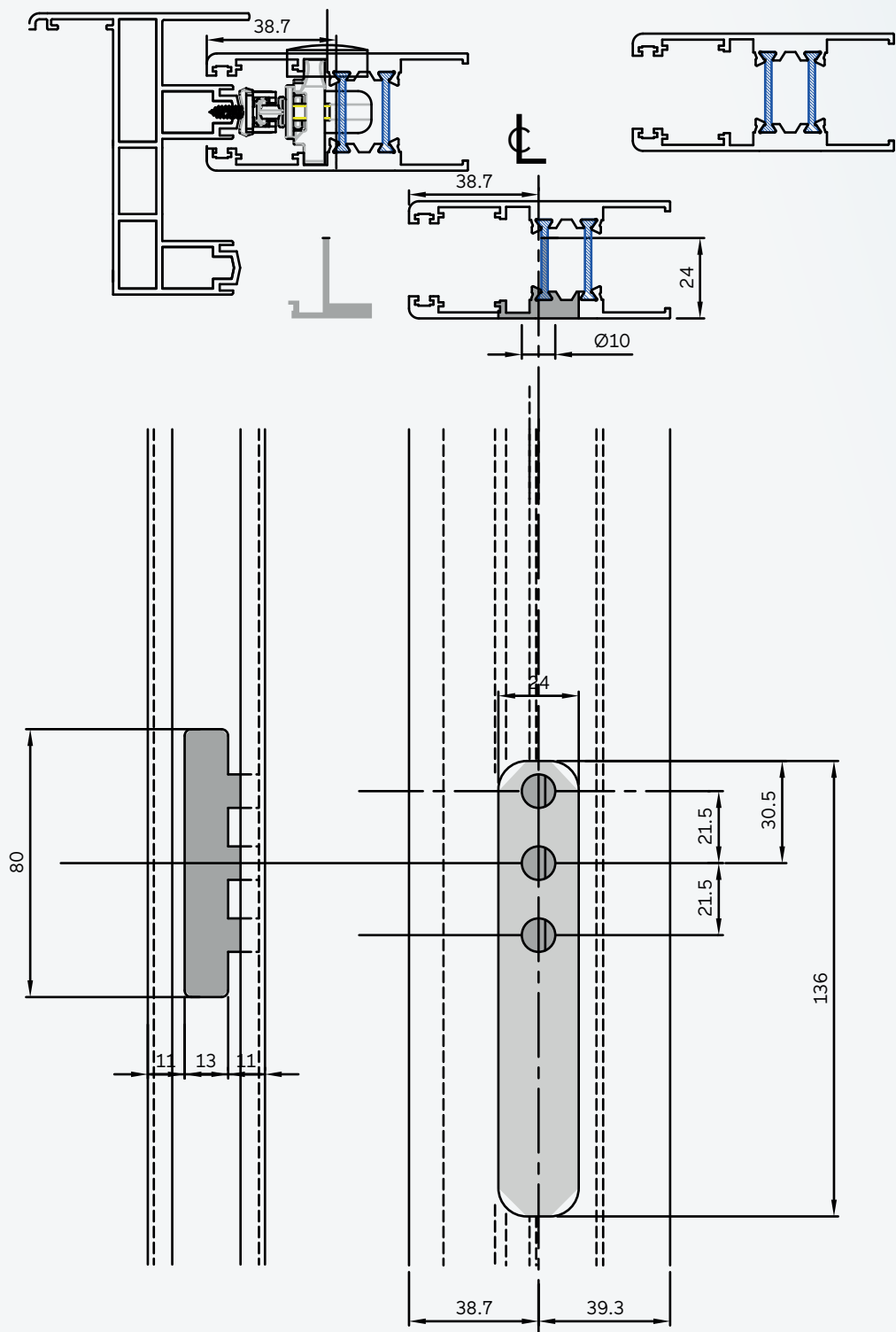
Use with lockable version



Embedded Handle

BR-6397-1 (use on inner shutter to avoid fly screen and use on outer shutter)

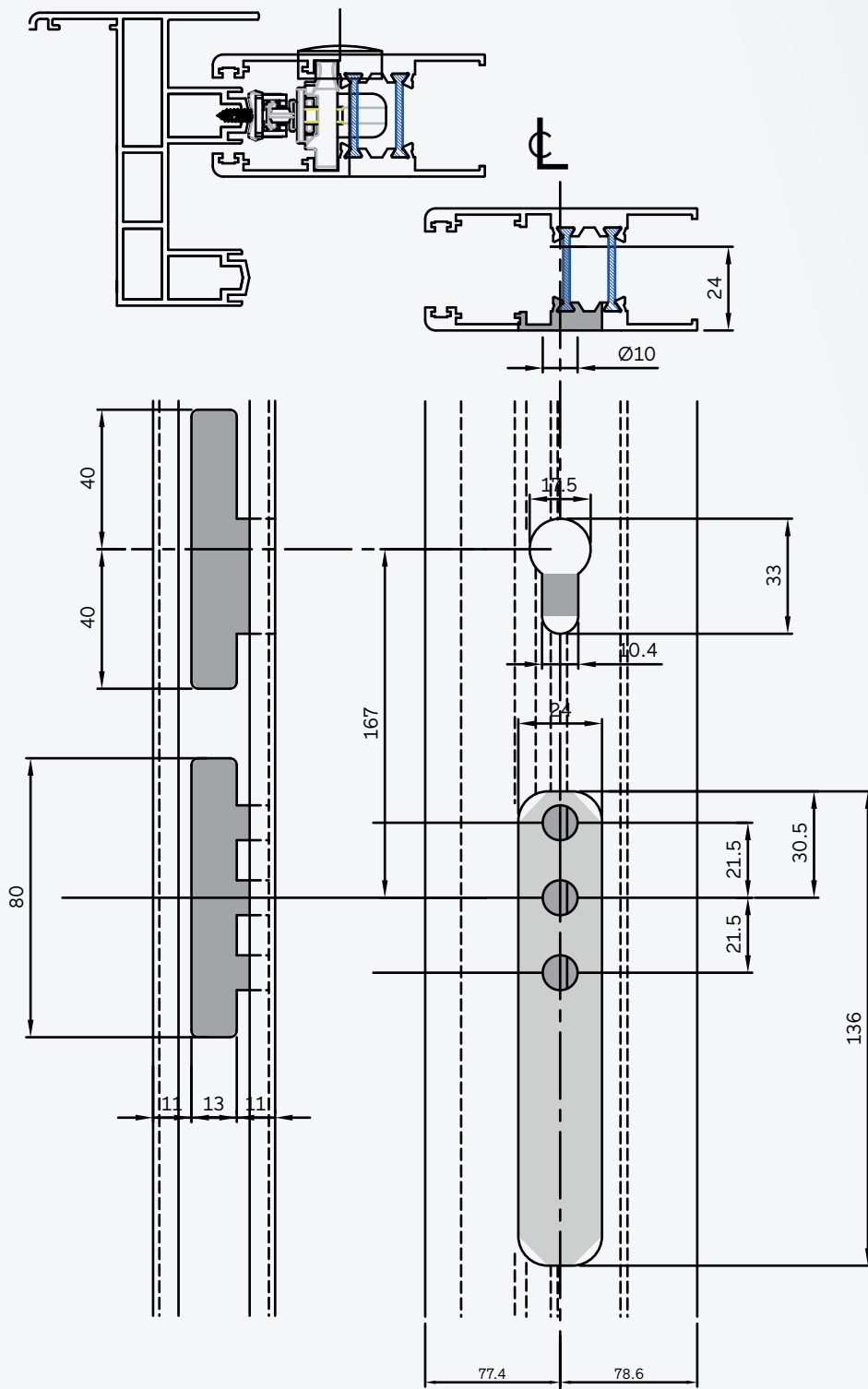
Use with non lockable version

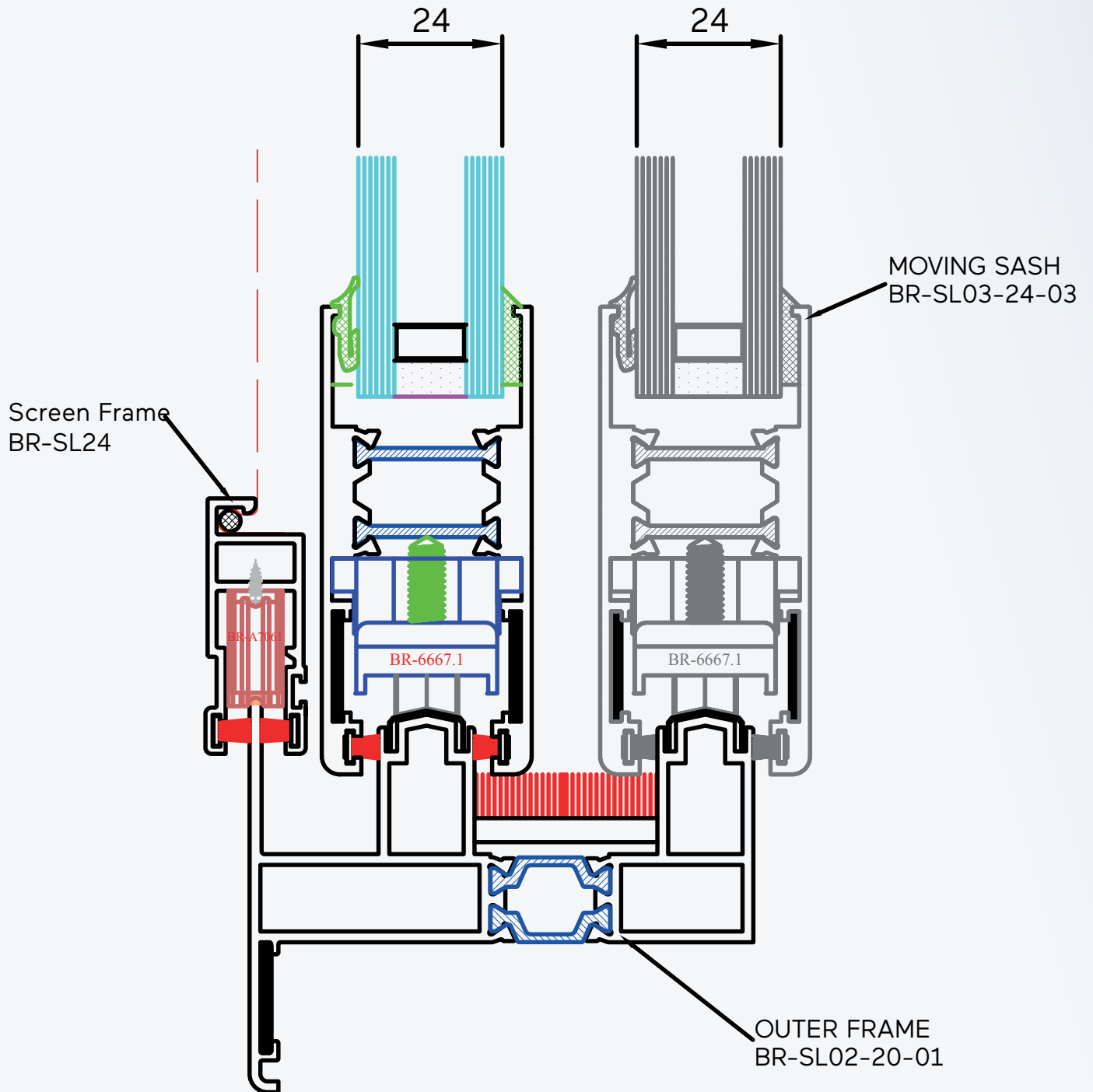


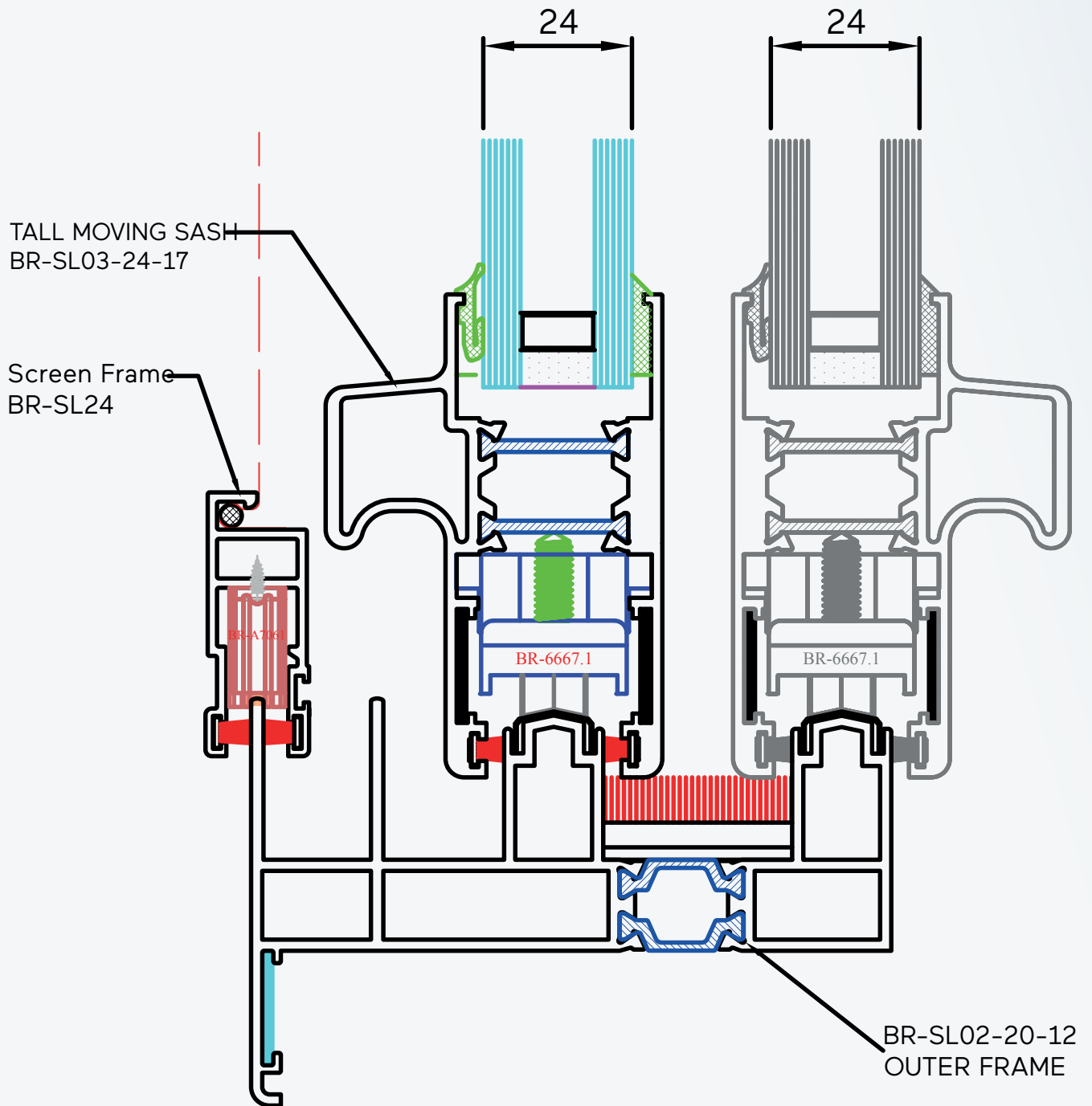
Embedded Handle

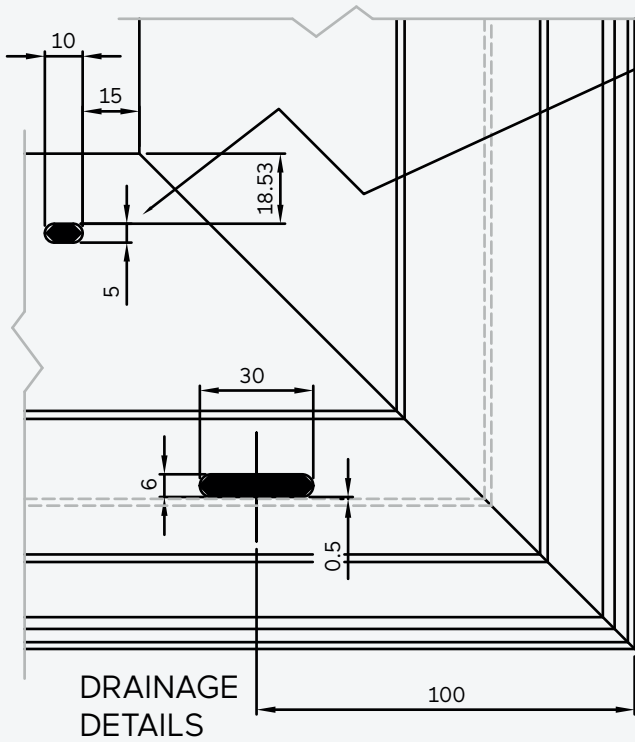
BR-6397-1 (use on inner shutter to avoid fly screen and use on outer shutter)

Use with lockable version

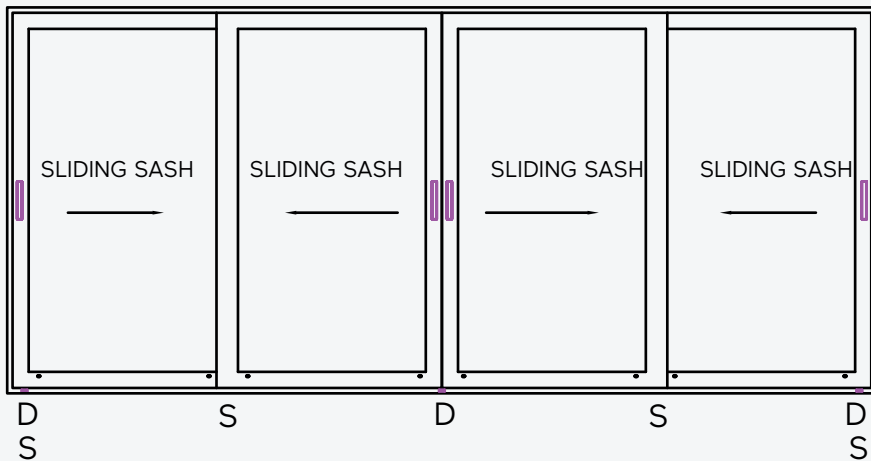
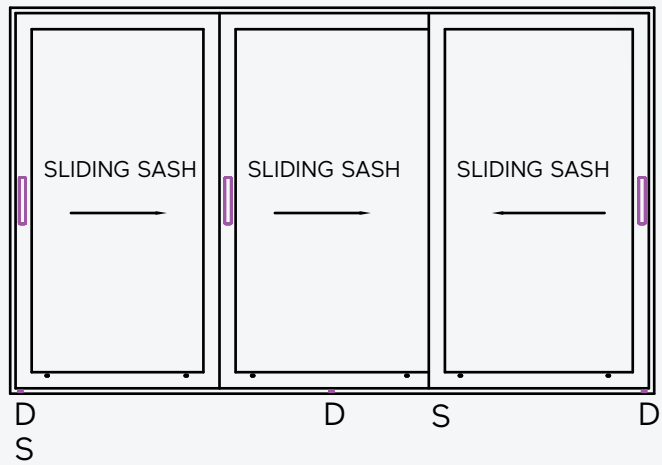
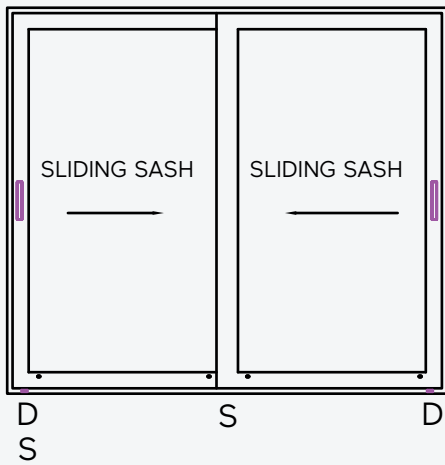
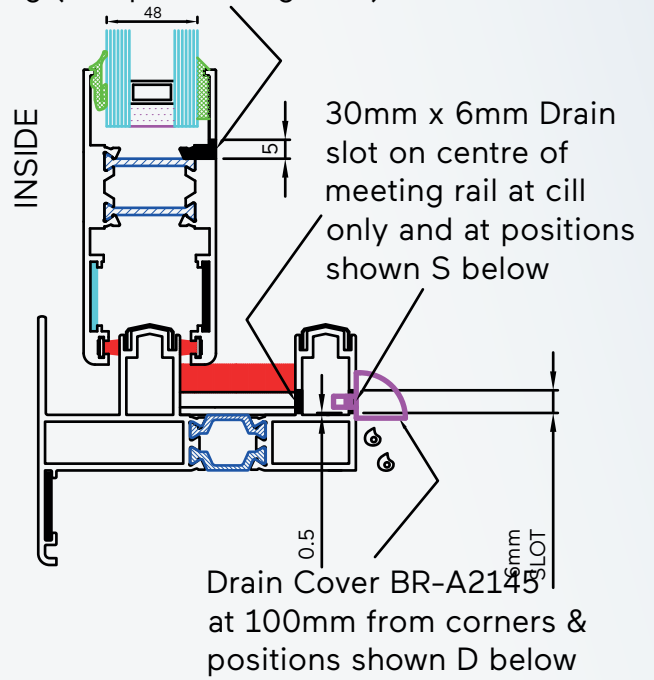




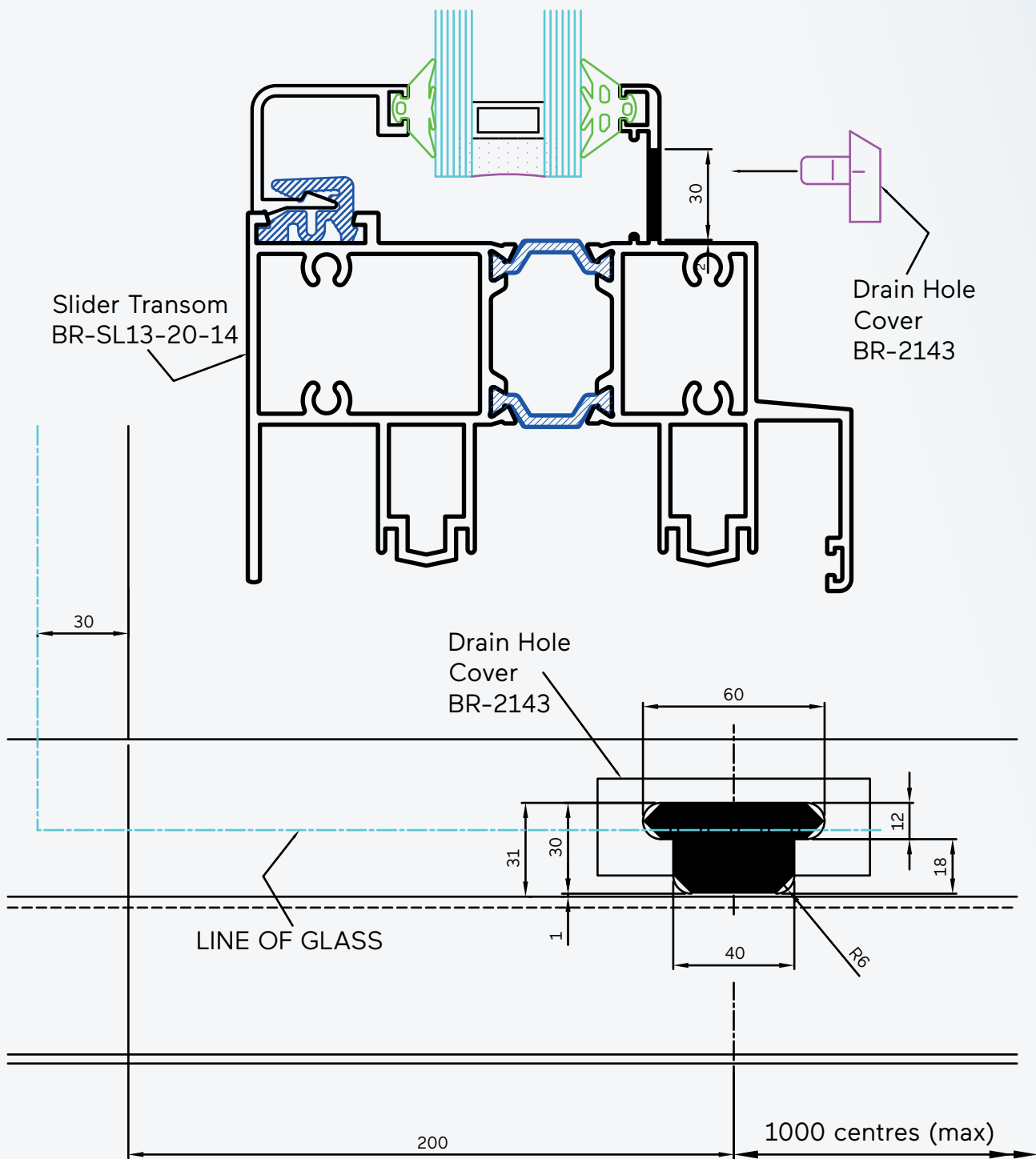




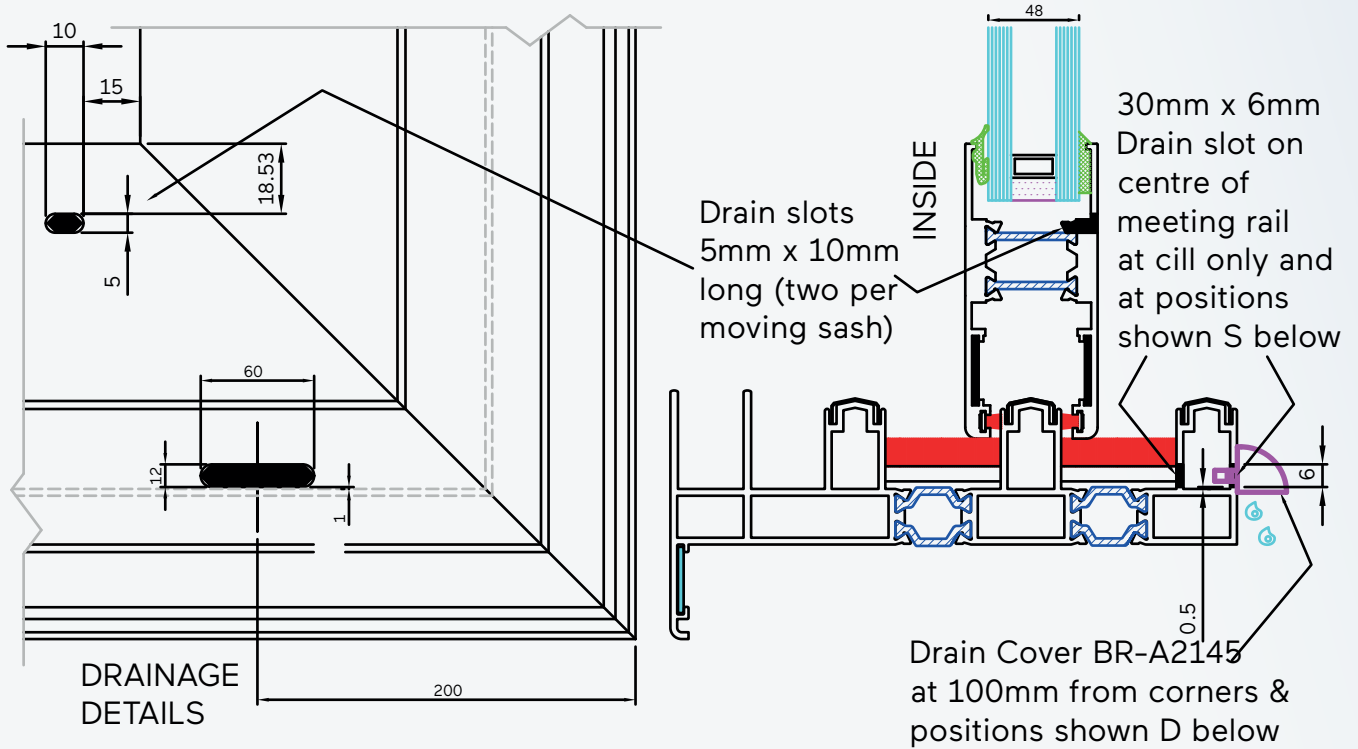
Drain slots 5mm x 10mm long (two per moving sash)



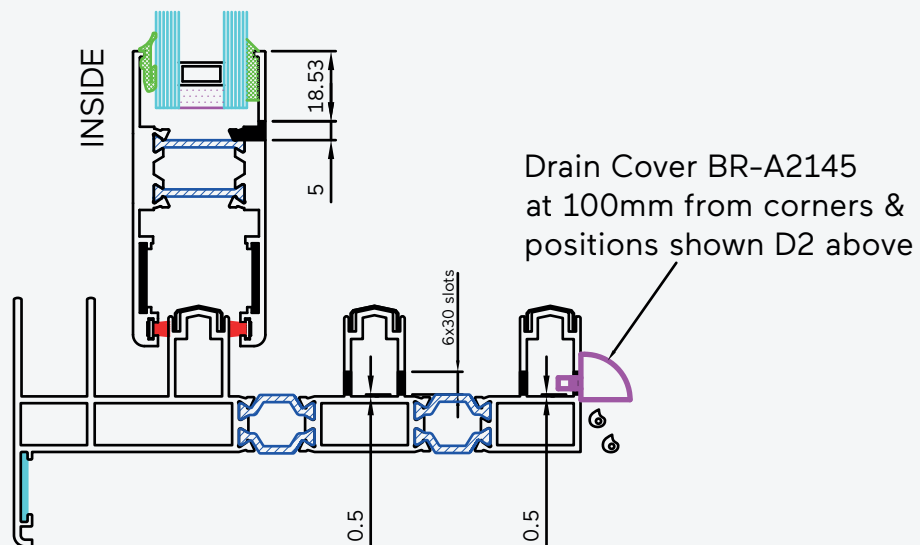
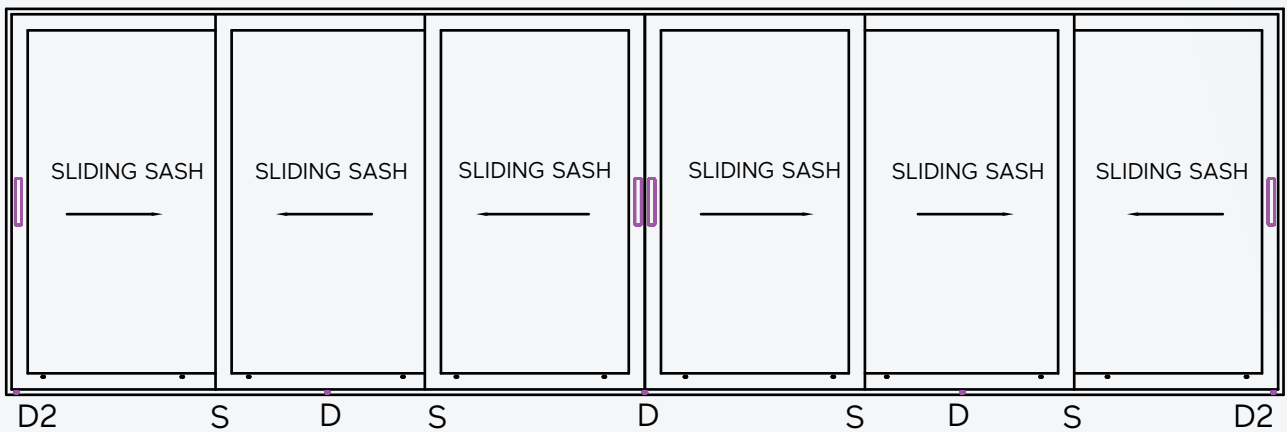
OUTSIDE ELEVATIONS

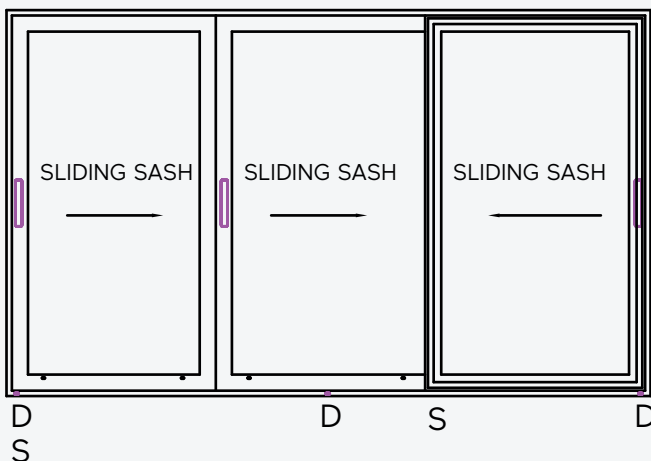
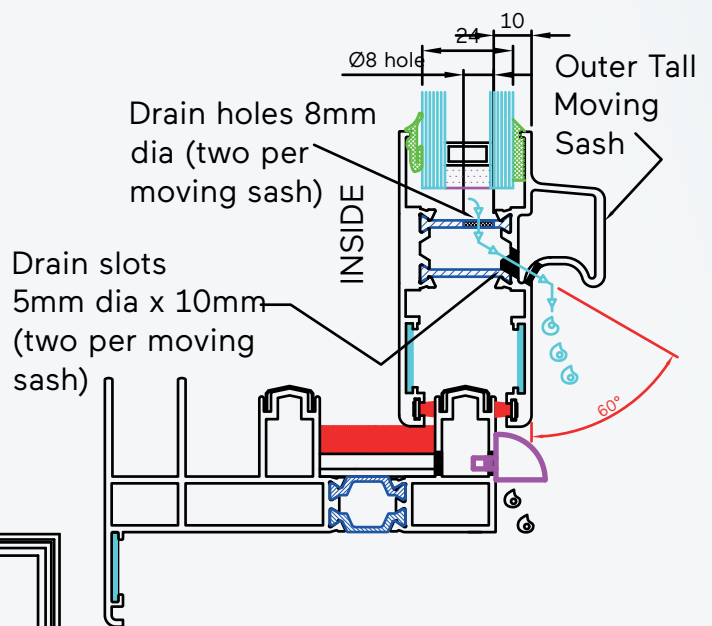
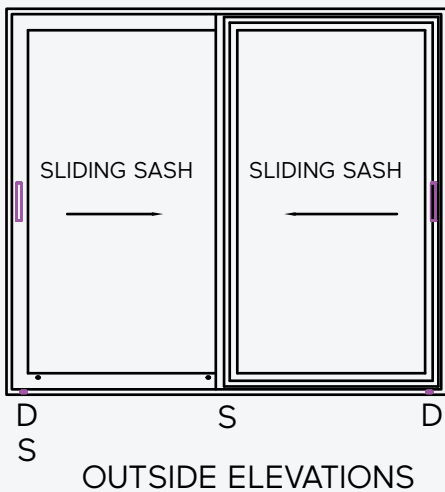
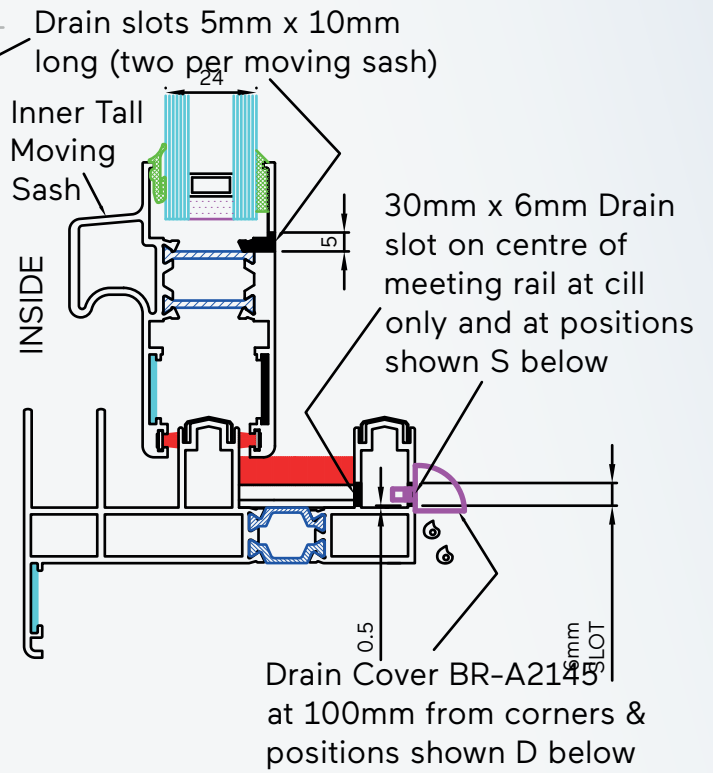
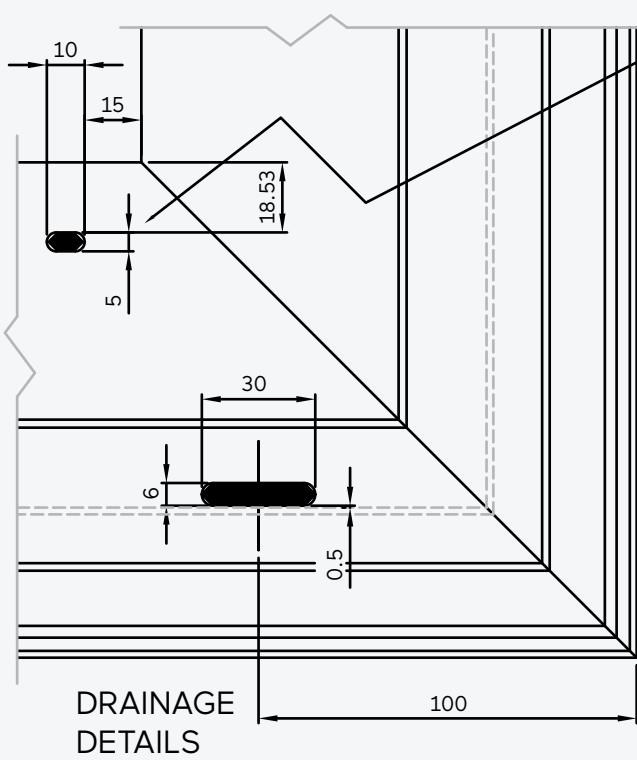


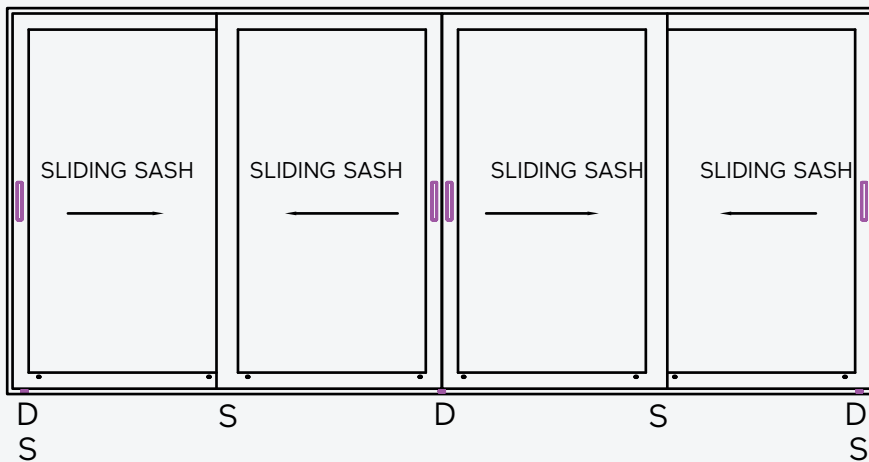
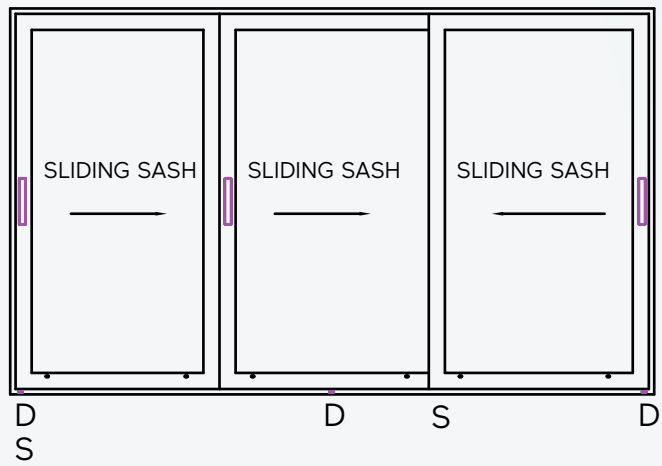
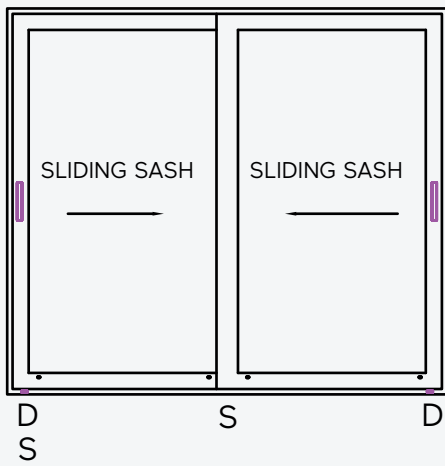
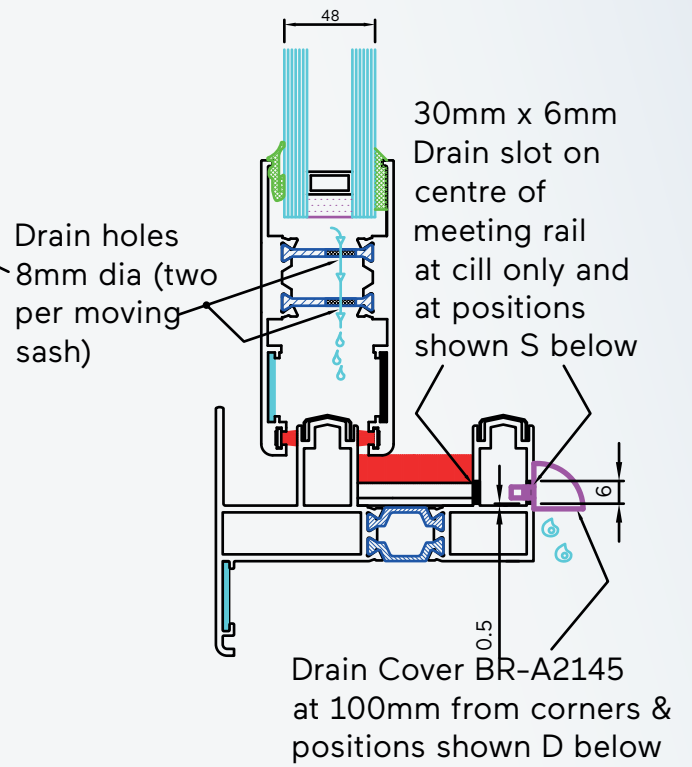
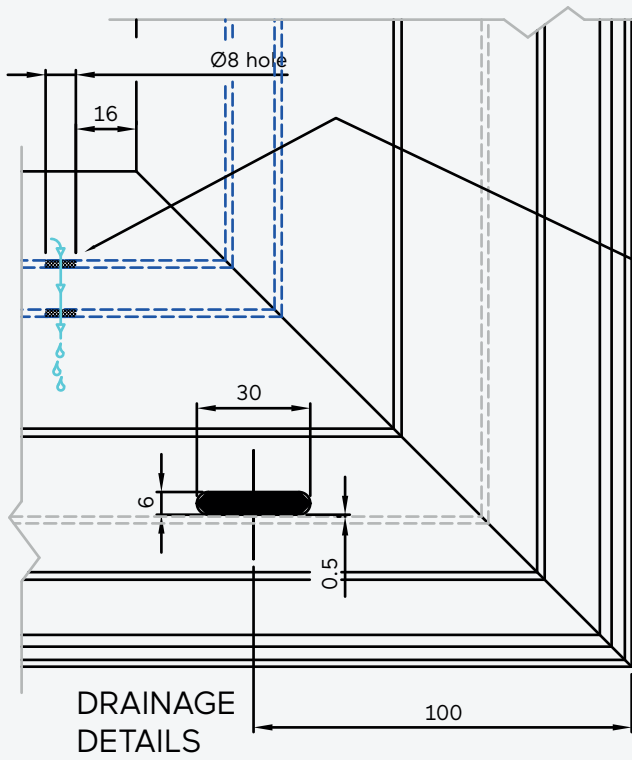
WHERE CENTRES OF DRAIN HOLES
EXCEEDS 1000mm
PROVIDE AN EXTRA CENTRAL HOLE



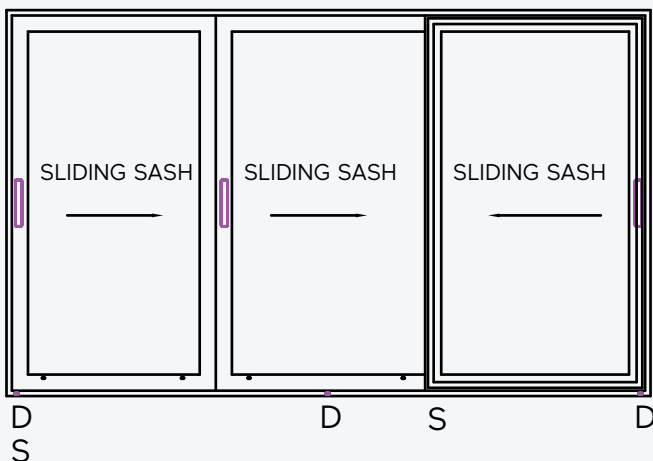
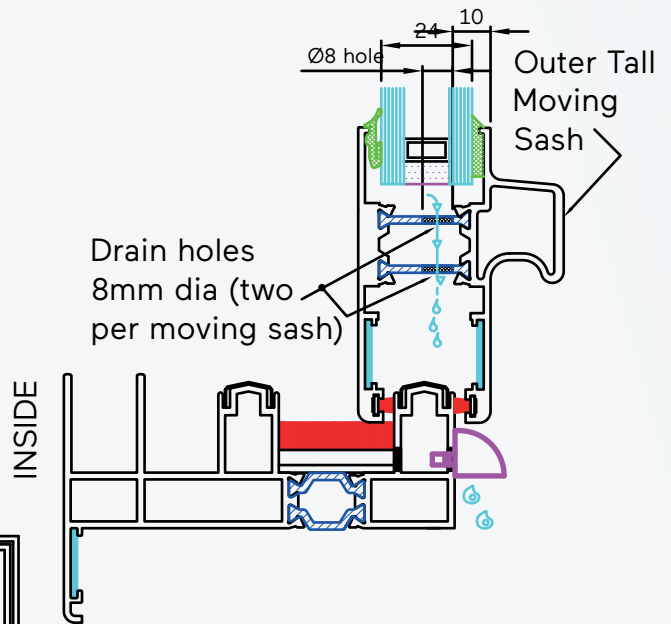
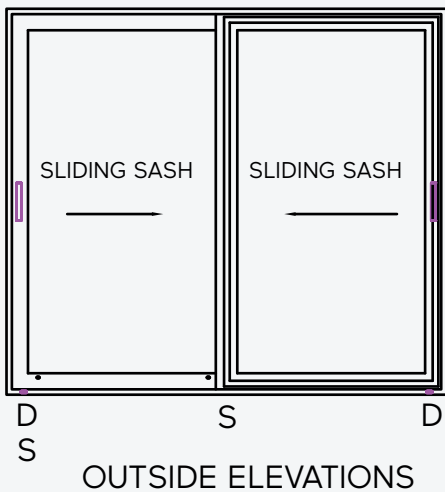
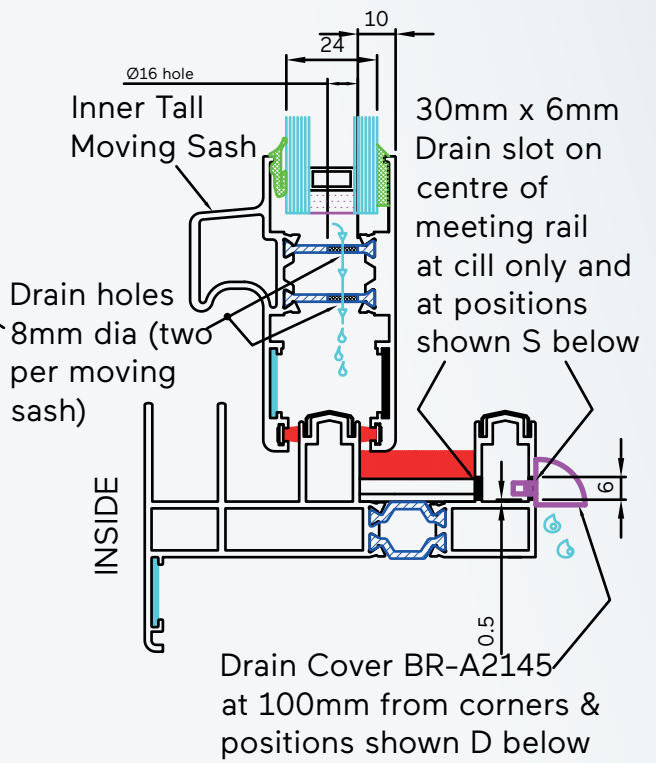
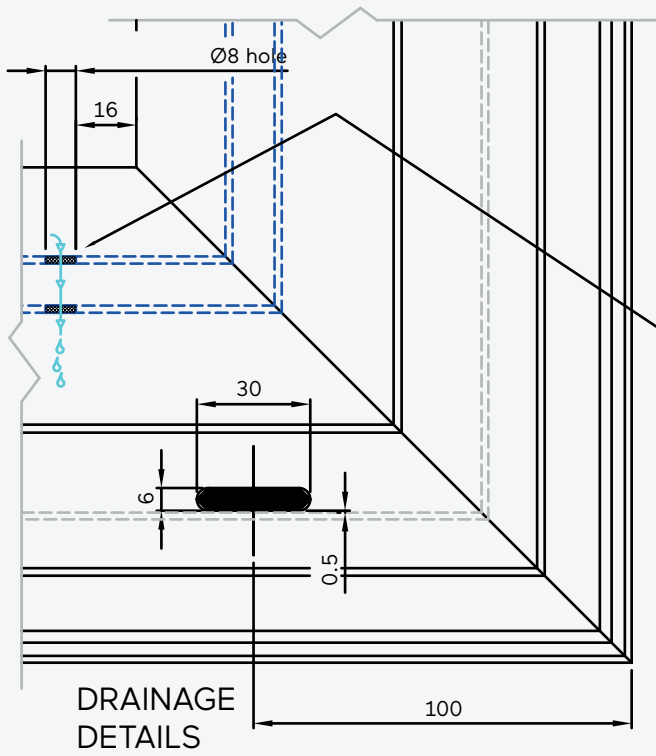
OUTSIDE ELEVATIONS

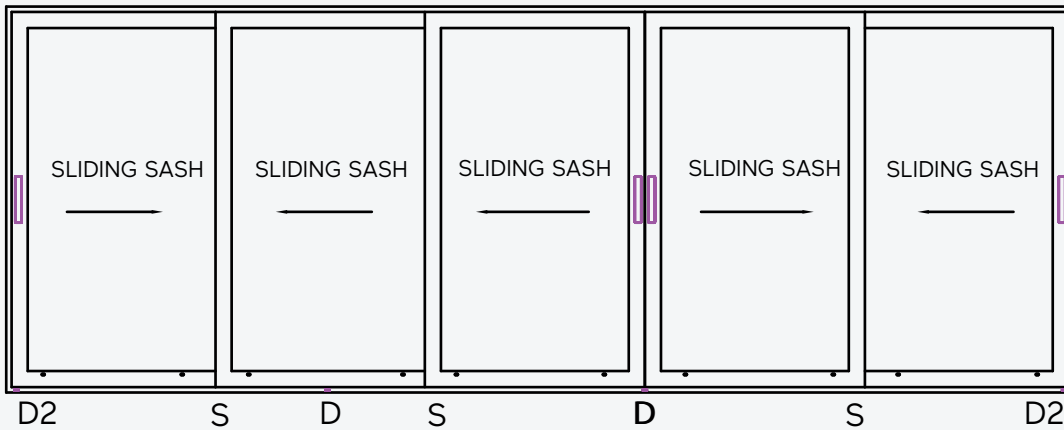
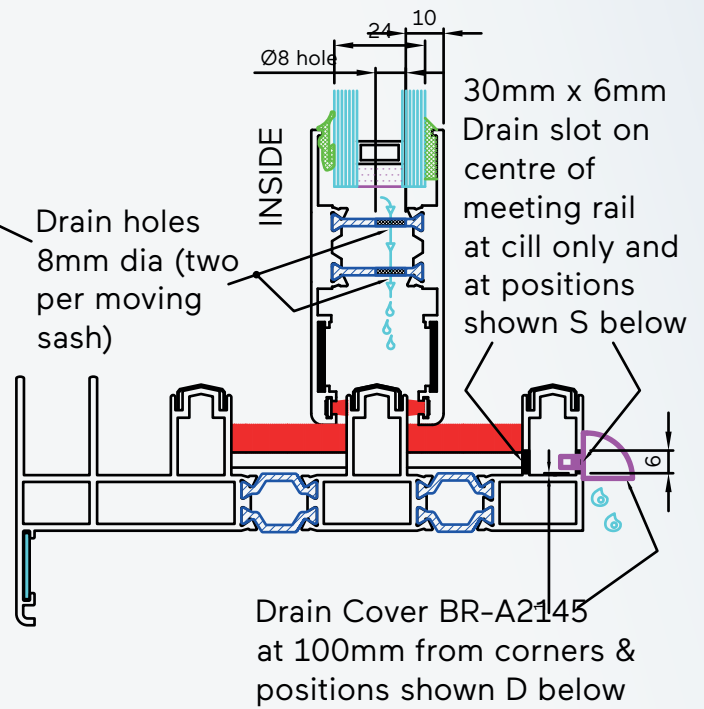
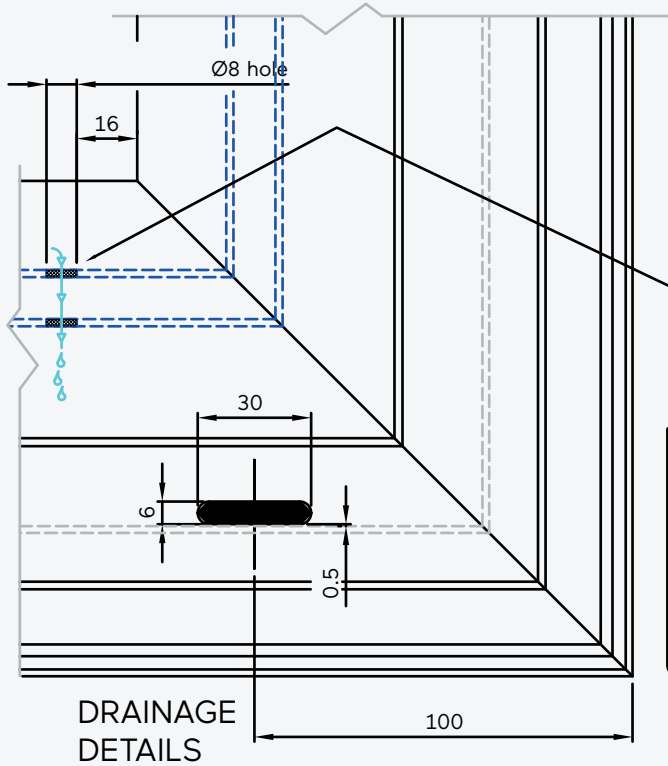




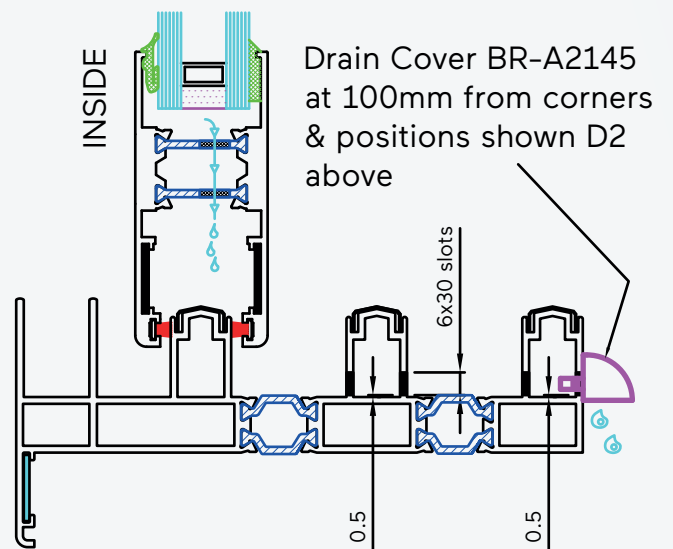
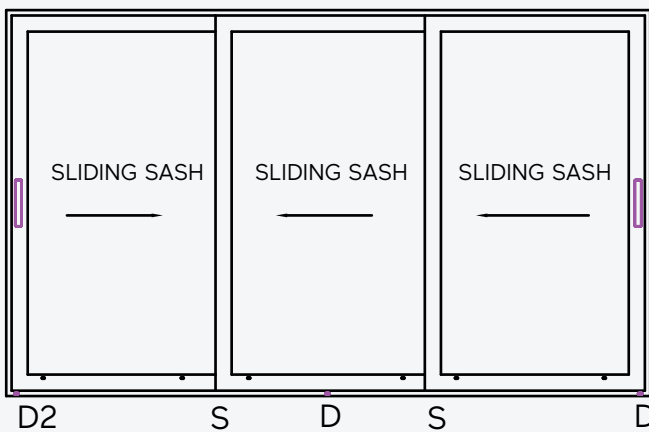


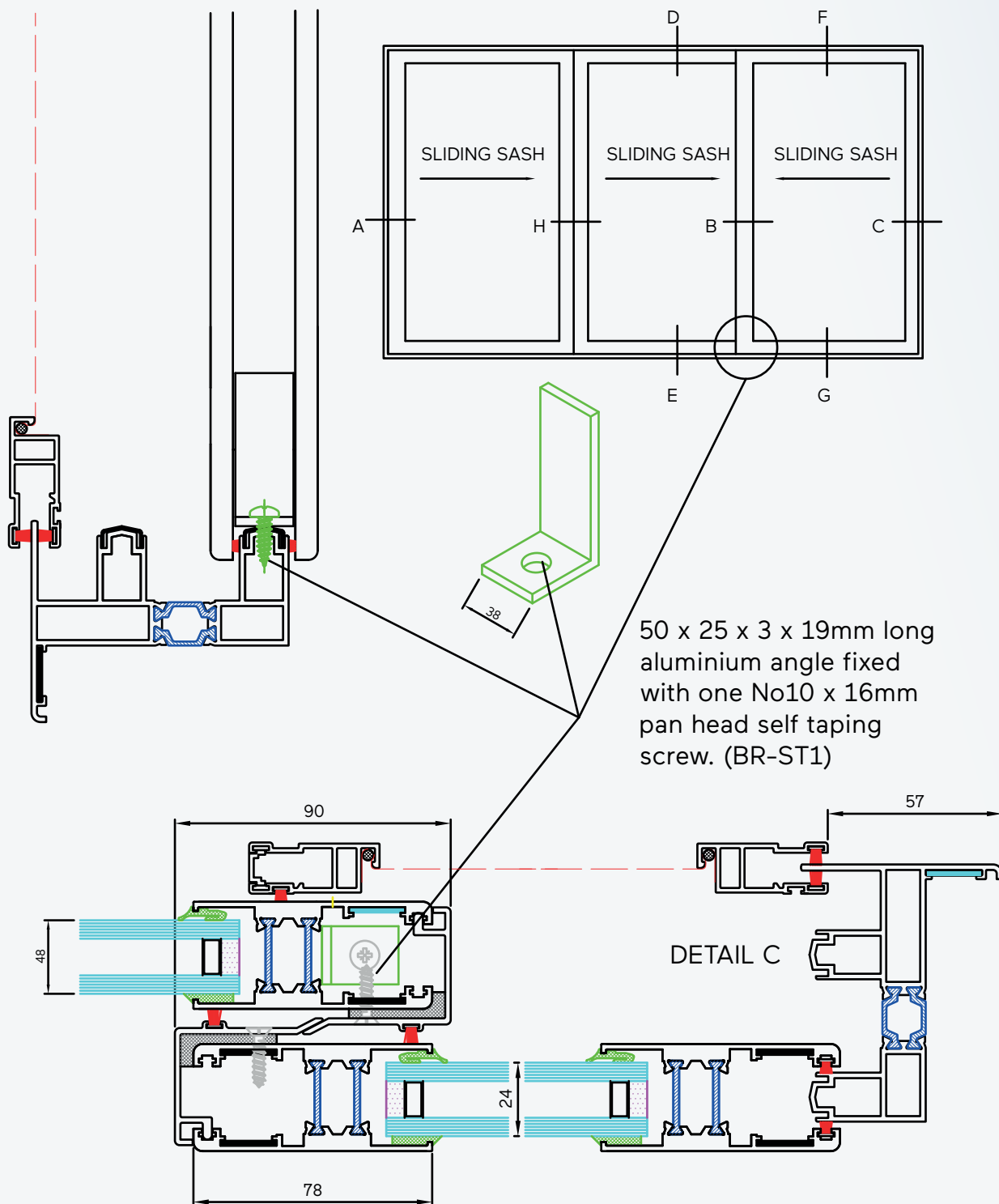
OUTSIDE ELEVATIONS

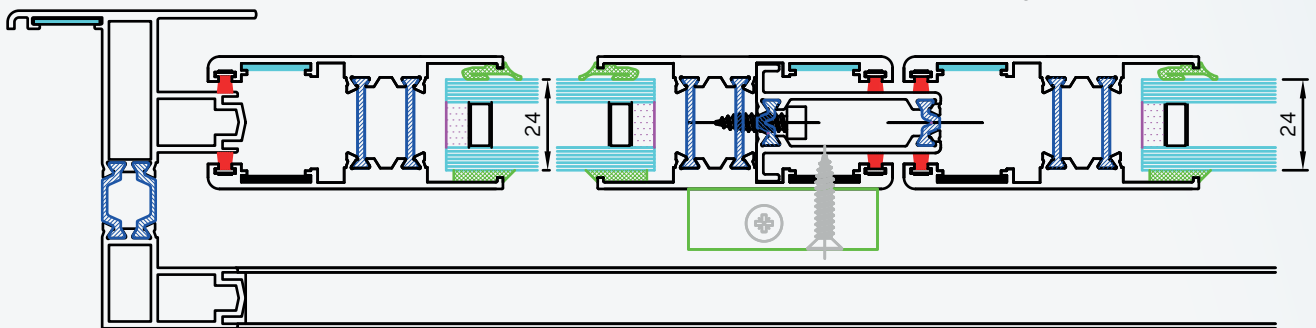
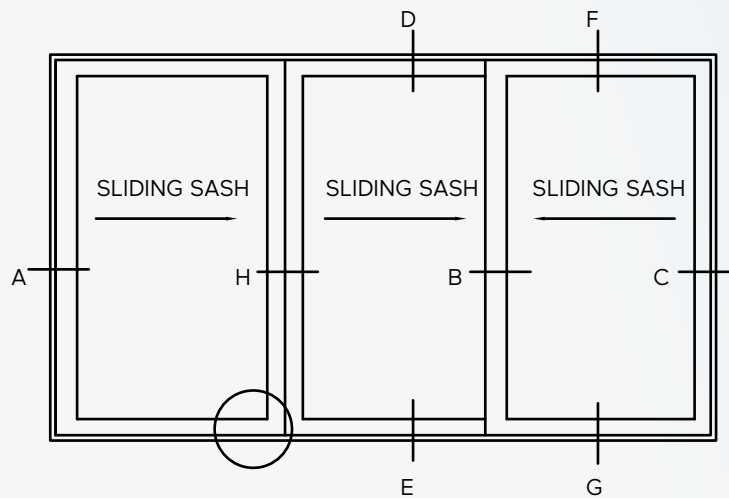




OUTSIDE ELEVATIONS

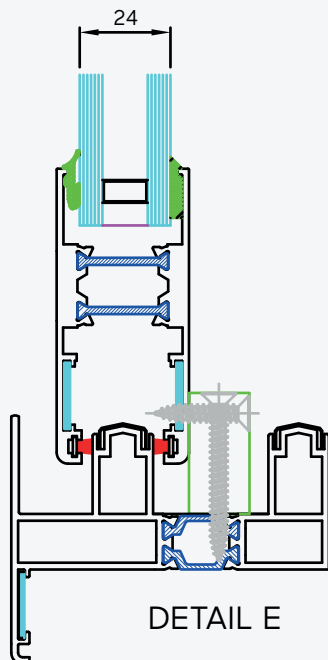




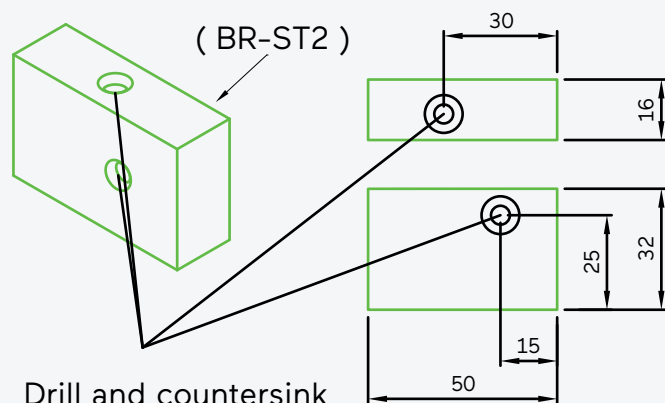


DETAIL A

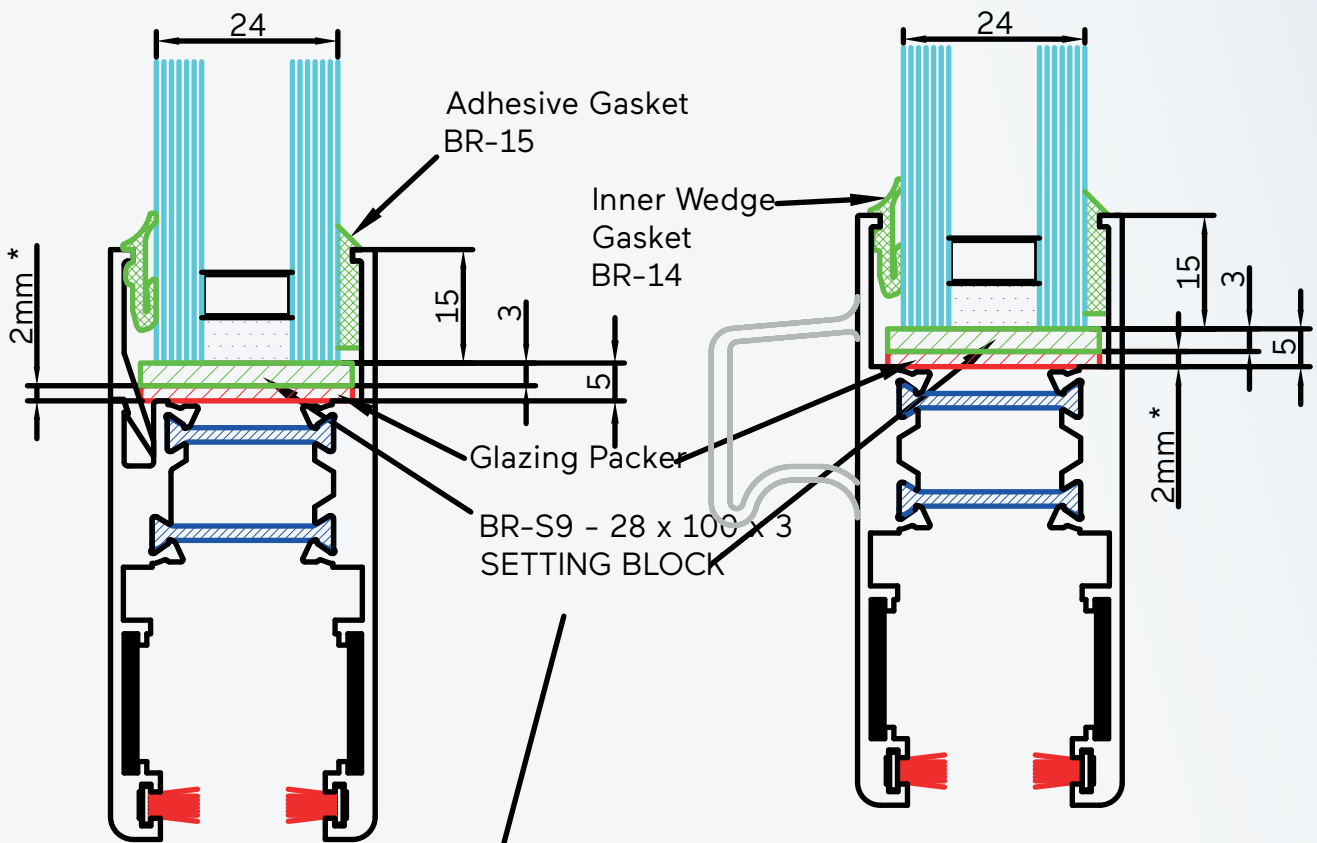
DETAIL H



DETAIL E



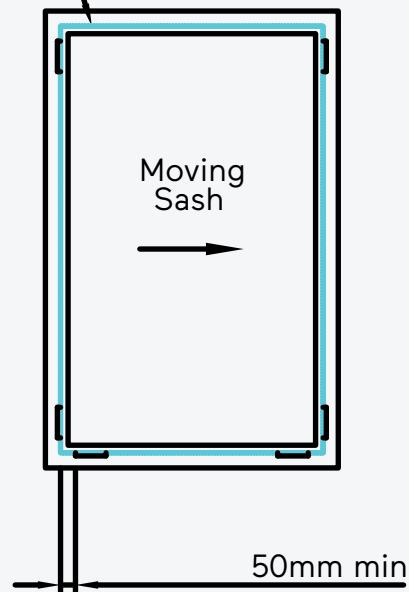
Drill and countersink for No 10 Self tapping screw.



Alternative Beaded Moving Sash
BR-SL03-24-05

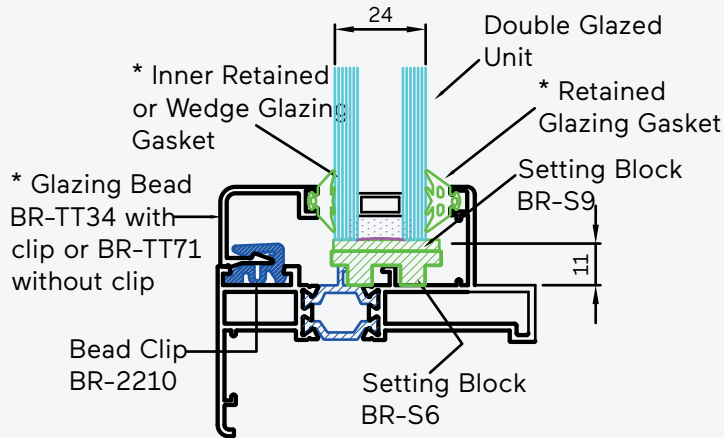
Alternative Non-Beaded Moving Sash
BR-SL03-24-03
(or BR-SL03-24-07 for tall sashes)

Line of glass

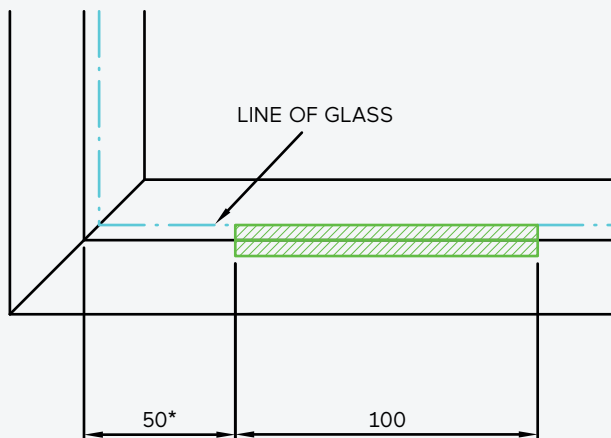
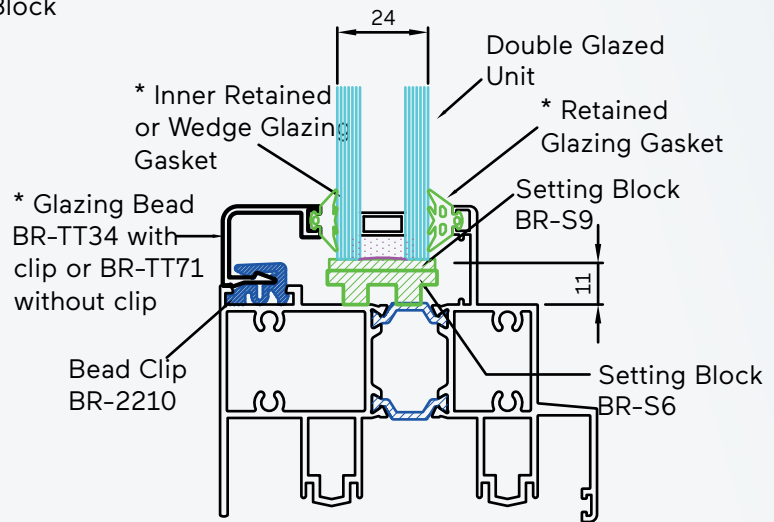
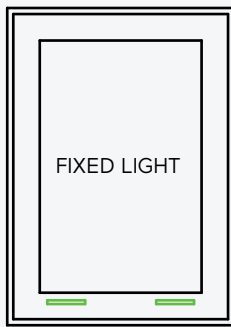


Glazing Packers *(packers to suit glass tolerance)
Glazing Packers 100mm x 28mm x
1mm thick, 2mm thick or 3mm thick
(Obtained locally by Fabricator)

To be fitted in accordance with
BS 8000 1990 Pt. 7



* For glazing options see sheet TBSL/09/03 & TBSL/09/04



BR-S6 Setting Blocks
(and packers to suit glass tolerance).

Glazing Packers 100mm x 28mm
1mm thick or
2mm thick or
3mm thick

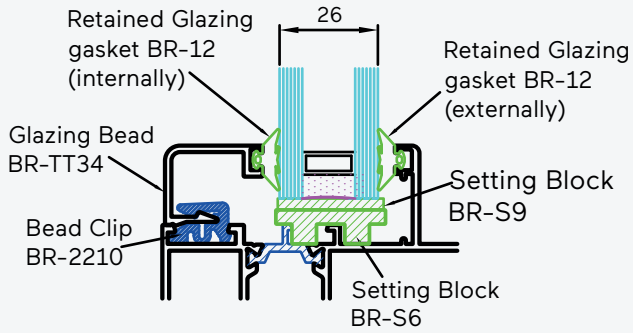
(Obtained locally by Fabricator)

To be fitted in accordance with
BS 8000 1990 Pt. 7

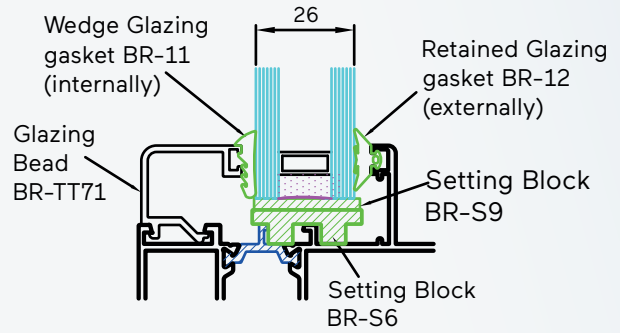
* = minimum dimension. Setting blocks to be positioned to avoid drainage slots.

GLAZING APPLICATION TO 'SHORTEST' FRAME EDGE

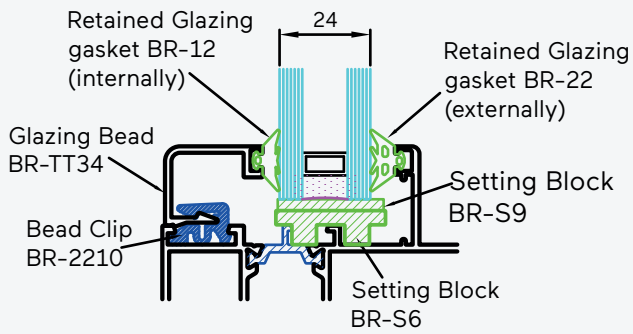
GLAZING APPLICATION TO 'LONGEST' FRAME EDGE



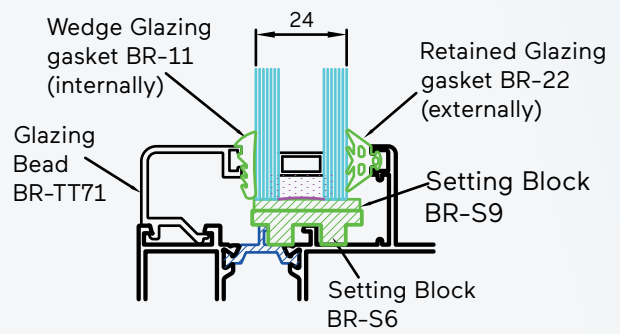
26mm Glass



26mm Glass



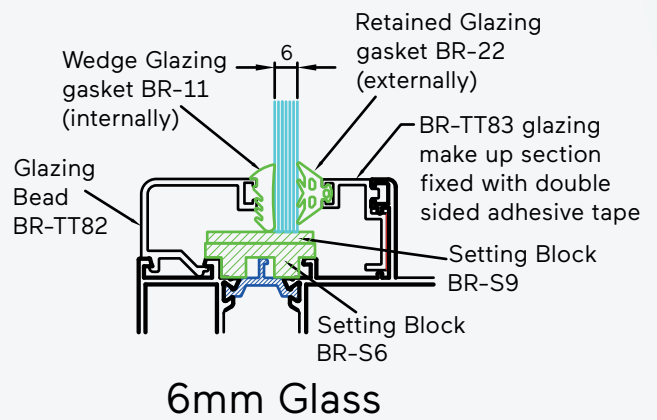
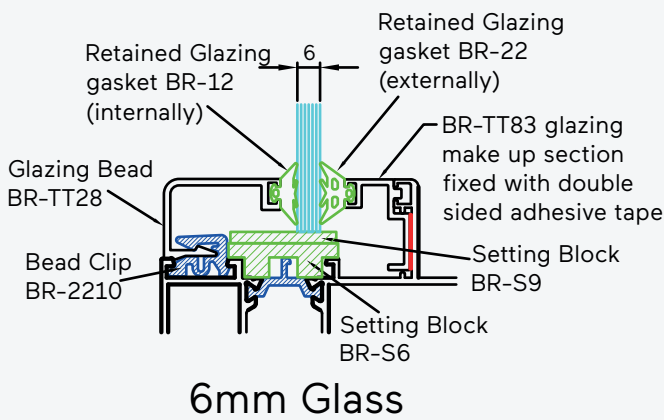
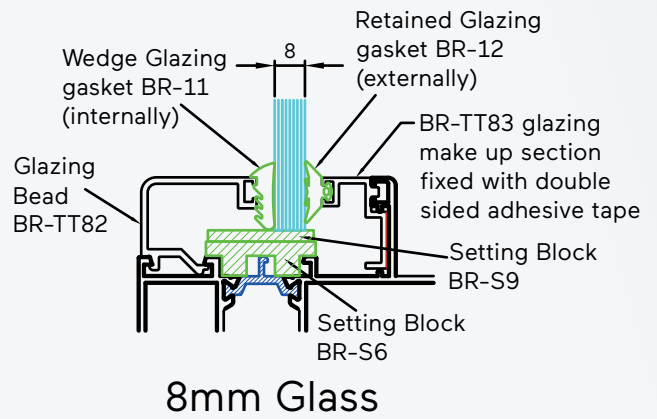
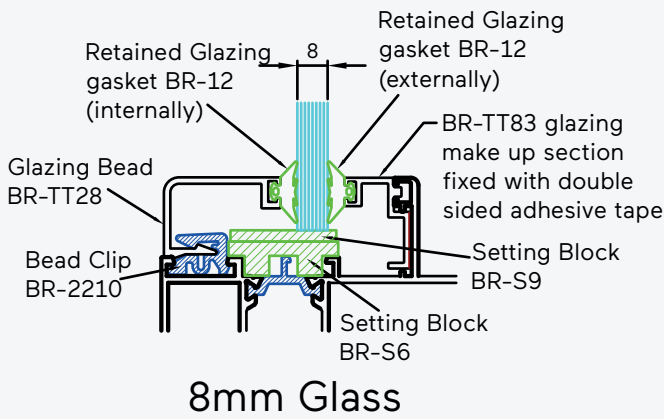
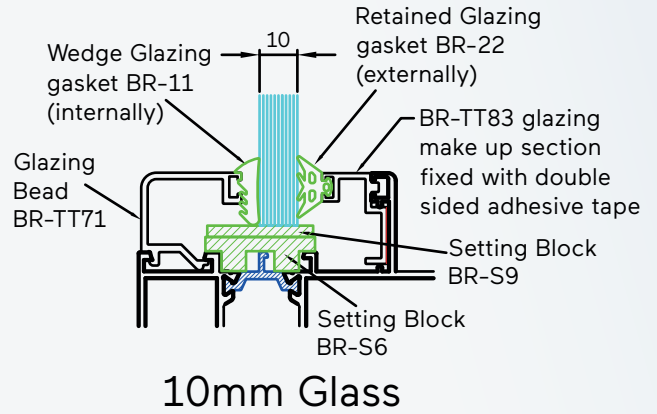
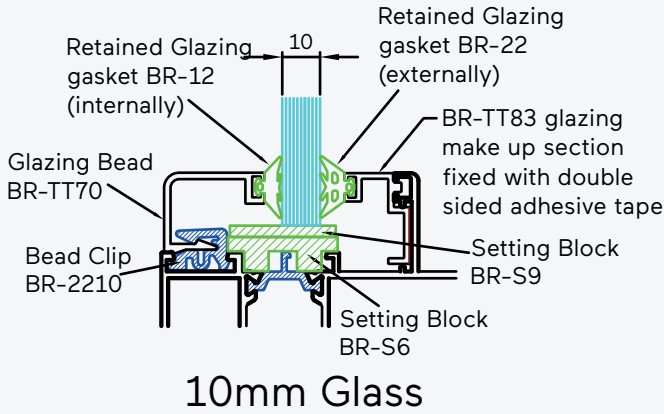
24mm Glass



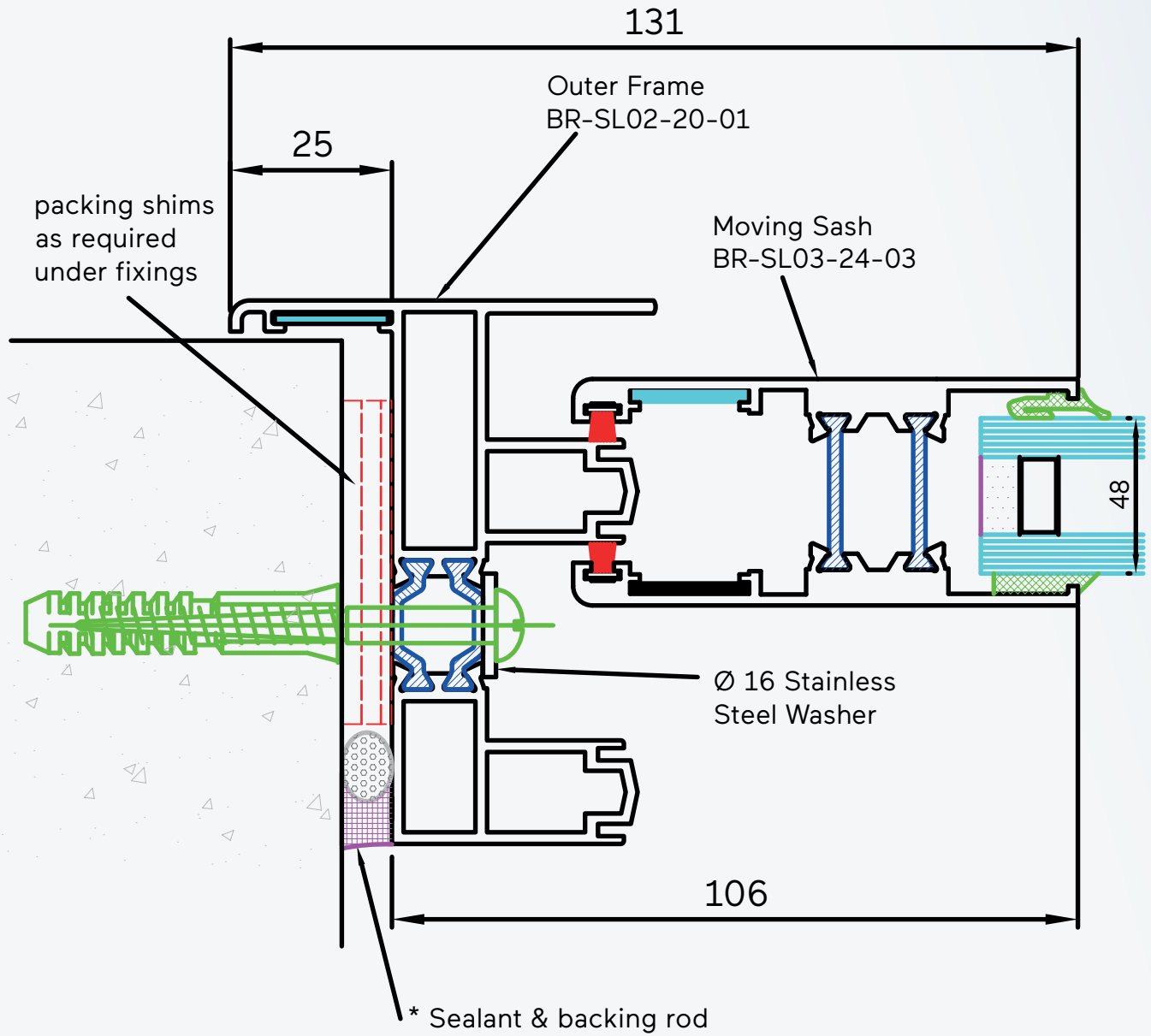
24mm Glass

GLAZING APPLICATION TO 'SHORTEST' FRAME EDGE

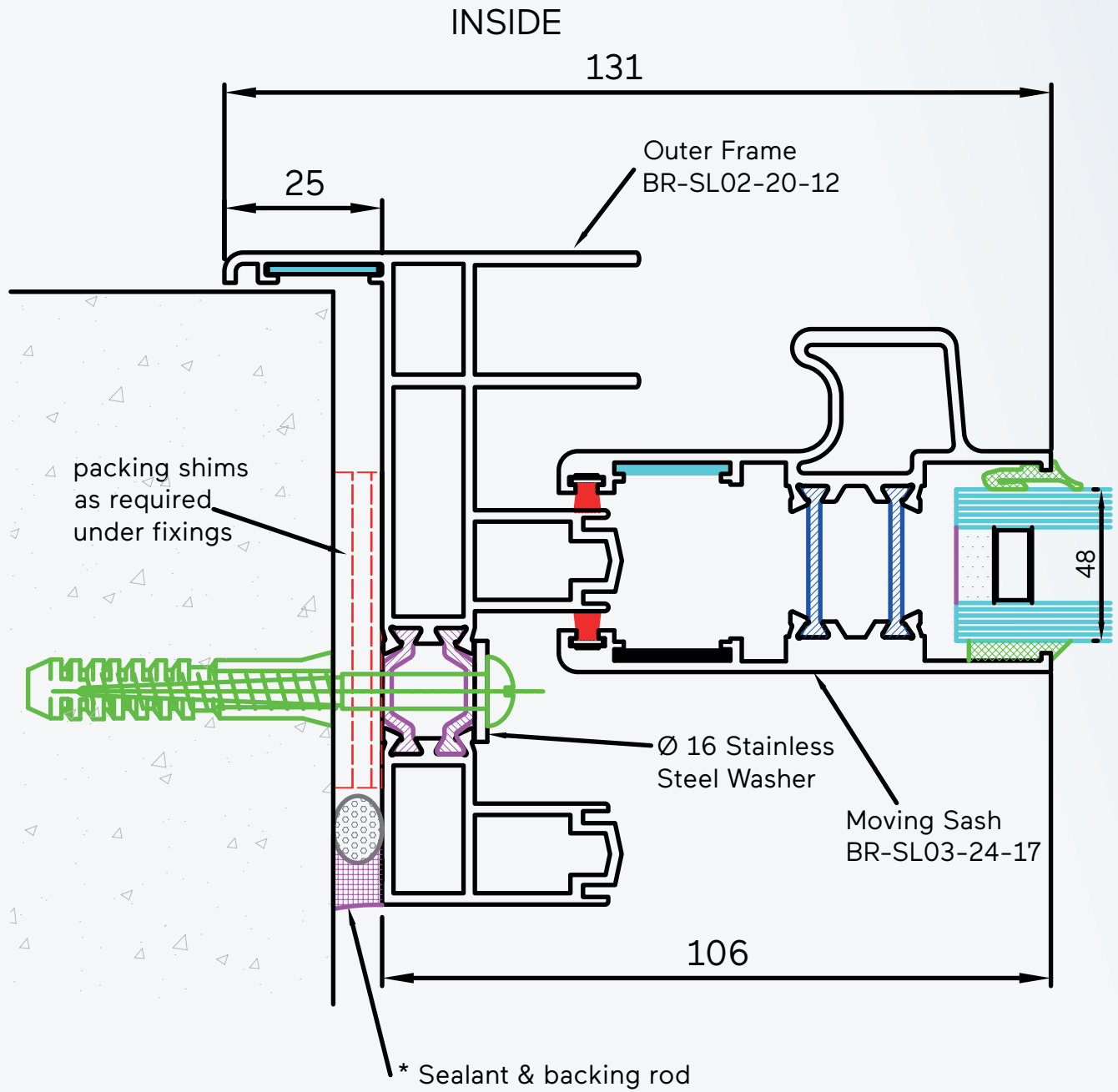
GLAZING APPLICATION TO 'LONGEST' FRAME EDGE



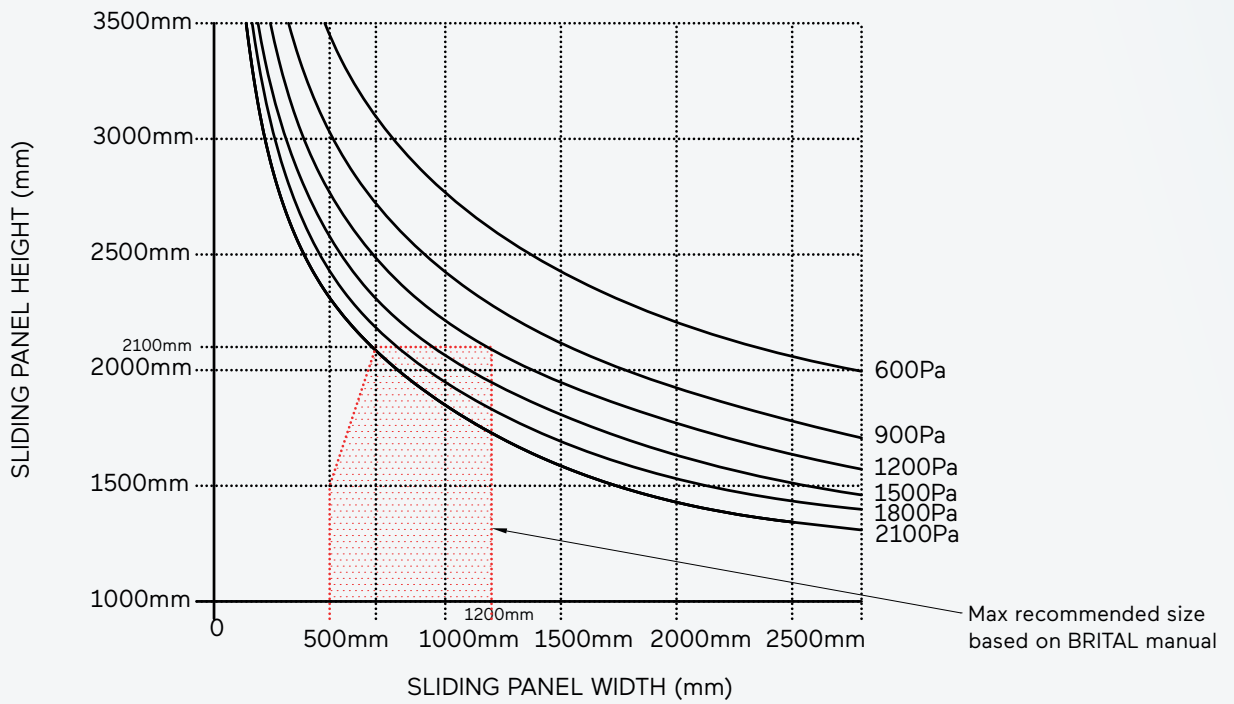
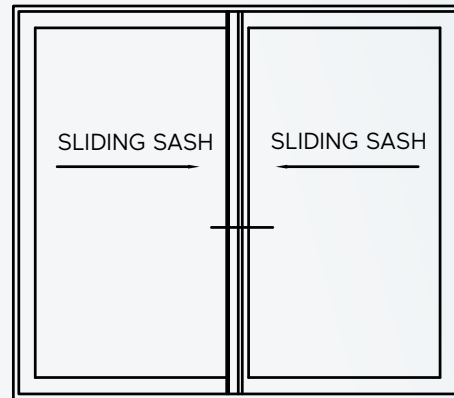
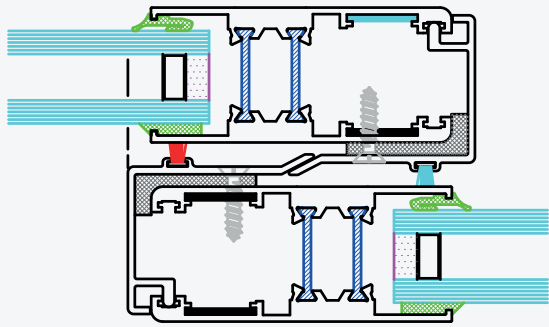
INSIDE



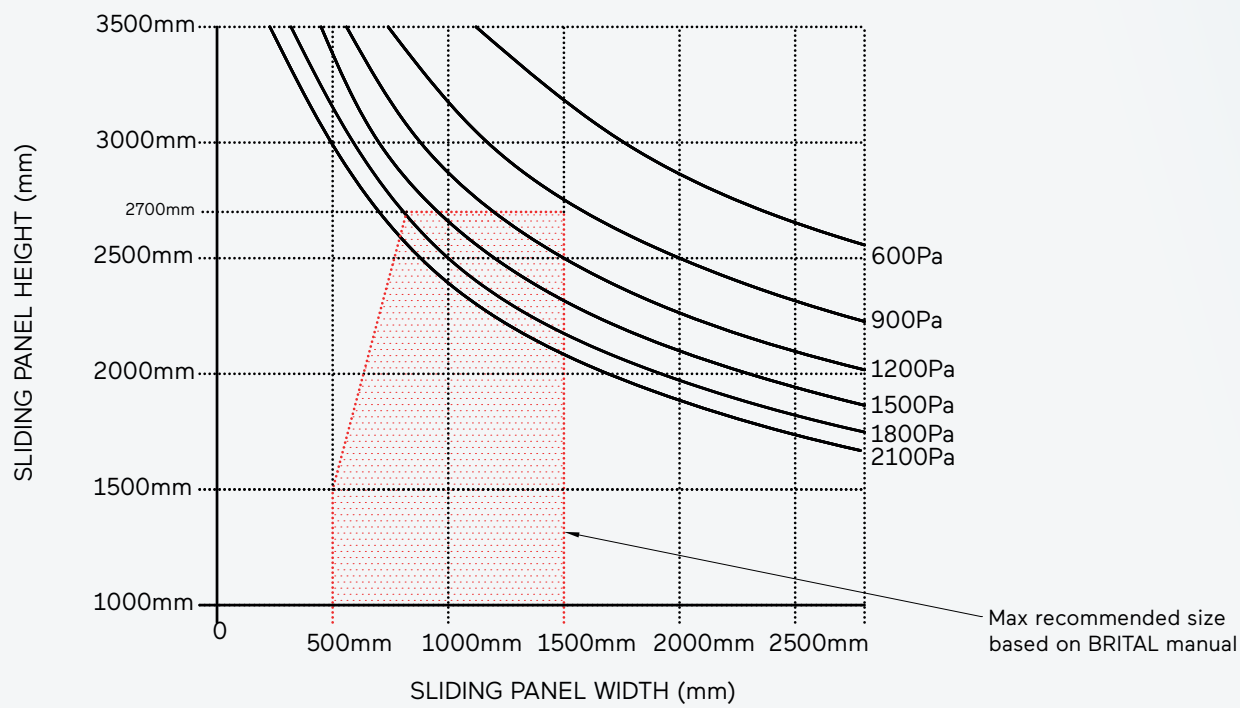
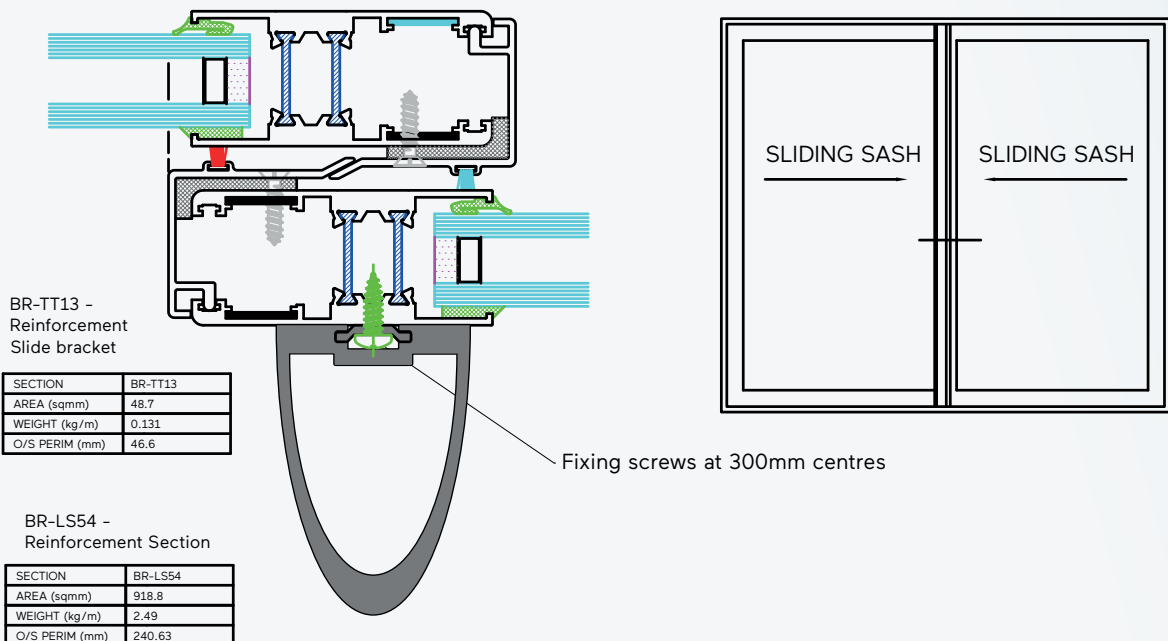
* All sealants to be installed in strict accordance with manufacturers relevant details & BS 6093 to suit site conditions.



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This load chart is based on test data and therefore takes into account the effect of the glazing.



This load chart is based on calculation and therefore does not take into account the effect of glazing.

The following notes are for the guidance of the fabricator to ensure that this range of horizontal sliding windows & fixed lights are designed and installed correctly.

Design

1. Brital recommend that detailed working drawings are prepared for all contracts, to ensure that the horizontal sliding window is properly designed to suit the individual conditions of the site.
2. All working drawings must be submitted to Brital for approval prior to the fabrication of windows.
3. Fixings shown in this manual are typical of what is likely to be needed. For specific site conditions different fixings may be required - these should be designed taking into account the likely wind loads and dead loads that they are likely to be subjected to.
4. The cutting sizes given in the fabrication manual are typical for regular horizontal sliding windows and fixed lights. For non-regular conditions the sizes must be determined from the working drawings.
5. Brital assume that all fabricators using this system will have experience in producing and glazing fixed & horizontal sliding windows. If not, Brital will be pleased to arrange assistance for the fabricator.



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