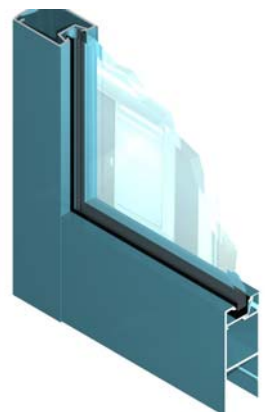
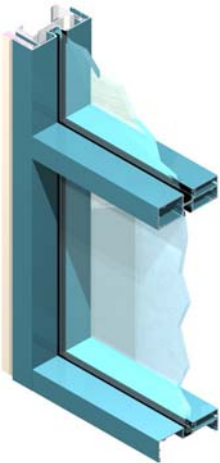


SAPPHIRE

BESPOKE SOLUTIONS FOR ALUMINIUM

PARTITION SUITES



TECHNICAL MANUAL - 23.8

Australia

NEW SOUTH WALES

Sapphire Aluminium Pty Ltd

MANUFACTURERS FOR AUST & ASIA

19 -29 Pile Road,

Somersby Industrial Estate

SOMERSBY New South Wales 2250

Phone : 61 2 4304 3555
Facsimile : 61 2 4304 3533
email : sapsom@sapal.com.au

QUEENSLAND

Coming Soon

Refer to Sapphire Somersby

VICTORIA

Sapphire Aluminium Pty Ltd

TECHNICAL INFORMATION AND SPECIFICATION

PO Box 7534

Beaumaris Victoria 3193

Phone : 61 3 9589 4222
Facsimile : 61 3 9589 4322
email : sapvic@sapal.com.au

NORTH QUEENSLAND

Coming Soon

Refer to Sapphire Somersby

SOUTH AUSTRALIA

Trojan Aluminium Pty Ltd

Cnr Cross Keys Road & CB Fisher Drive

CAVAN South Australia 5094

Phone : 61 8 8260 6055
Facsimile : 61 8 8262 2260
email : trojan@bigpond.net.au

NORTHERN TERRITORY

Coming Soon

Refer to Sapphire Somersby

WESTERN AUSTRALIA

Westgyp Pty Ltd

39 Ledger Road

BALCATT Western Australia 6021

Phone : 61 8 9240 5488
Facsimile : 61 8 9240 7433
email : sales@westgyp.com.au

TASMANIA

Refer to Sapphire Somersby

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AUSTRALIAN DESIGN AND MANUFACTURE

When you purchase a Sapphire product you are buying a product that is designed and manufactured in Australia and finished in our own Anodising or powdercoating plant.

FLEXIBILITY

Partitions are built on site allowing minor changes to design and layout to be easily accommodated with NO EXTRA COST AND NO PROJECT DELAY

TAILOR MADE

With so many profiles and interlocking shapes, Sapphire partitions can be configured in so many unique ways. This is a product that will excite any architect / designer.

COMPETITIVE PRICE

Sapphire partition frames can be used with standard drywall. Plasterboard, steel stud frames, glass and doors can be sourced locally. This ensures that Sapphire partitions are very price competitive.

SUPER FAST LEADTIME

Sapphire strives to deliver all standard sections within two to three weeks regardless of finish. (Note : for export markets customs procedures may delay delivery in some countries). Sapphire will ensure that challenging project schedules will not be compromised.

SPEEDY INSTALLATION

Sapphire aluminium is prefinished so that no touch up is required after installation. All necessary accessories are supplied as part of the system. Aluminium is light and easy to cut on site. Snap together profiles reduce construction and on site labour costs.

EXCITING ANODISED FINISHES

Sapphire partition frames are constructed with anodised aluminium profiles. We have an outstanding range of anodised colours that can be used to compliment any design. Anodising helps you comply with the requirements of the BCA ensuring required differences in LRV.

Anodising is the most durable and beautiful finish that can be applied to aluminium as it highlights and enhances the natural characteristics of aluminium.

BEING GREEN

When you specify/purchase Sapphire partitions you are taking care of the environment as our products are made from recycled and primary aluminium. When combined with an anodised finish you have a product that is 100% recyclable and free of harmful VOC's.

Please Note!

All our sections are designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.

SAPPHIRE PARTITION SYSTEMS AND THE BUILDING CODE OF AUSTRALIA (BCA)

The Building Code of Australia (BCA) is the national technical document containing technical provisions for the design and construction of buildings and other structures. The BCA references specific Australian Standards that set out particular procedures and requirements that must be followed.

The relevant standards for partition installations are:

AS1288-2006 Glass in Buildings, Selection and Installation

AS1428.1-2009 Design for Access and Mobility

Sapphire Aluminium is mindful of the requirements and offers products and finishes which can assist designers, specifiers and contractors to develop design solutions which comply with the code.

The BCA references a number of design considerations in relation to vision impairment which need to be considered when designing partition installations and selecting finishes. These include:-

DESIGN CONSIDERATIONS FOR AS1288-2006

Glass must have a minimum of 8mm edge cover on all sides within a frame

Full height is a minimum of 10.38mm laminated glass (maximum span of 2.8 metres, Above this height you must use 15mm or introduce a transom generally at 2.4 metres)

Unframed Glazing (Silicon Joints) maximum area of 9m² for 10.38mm and no limit for 12.38mm

LUMINANCE CONTRAST OF BUILDING ELEMENTS.

Luminance contrast is defined in AS1428.1 2009 as 'the light reflected from a component, compared to the light reflected from another surface or component'. It is not simply the colour contrast but the difference in the light reflective properties of each colour. Sapphire lists all LRV readings for its anodised finishes on its website.

To Calculate Luminance Contrast use the following

$C = \text{luminance contrast}$

$Y1 + Y2 = \text{luminous reflectance values of the two surfaces}$

$C = 125 (Y2 - Y1) / (Y1 + Y2 + 25)$ Bowman-Sapolinski equation

Pol Bright Tangerine - PB6673 = 52% LRV | Matt Kalamata M669 = 25% LRV

Therefore, $C = 125(52 - 25) / (52 + 25 + 25)$

$C = 125(27)/102$

$C = 33\%$ Contrast

DOORWAYS, DOORS AND CIRCULATION SPACE AT DOORWAYS

All doorways shall have a minimum luminance contrast of 30% provided between—

- (a) door leaf and door jamb;
- (b) door leaf and adjacent wall;
- (c) architrave and wall;
- (d) door leaf and architrave; or
- (e) door jamb and adjacent wall.

The minimum width of the area of luminance contrast shall be 50mm. Consideration should also be given in design to when a door is open in order to comply with AS1428.1-2009.

Compliance can be achieved by selection of appropriate finishes including those for aluminium sections and frames which should have a viewed minimum width of a 50mm. **Sapphires partition suites including Microline, Wideline, Frontline, Maxline 76, Maxline 92 and Sapphire Aluminium Door all include options and sections which can be specified to meet these requirements.**

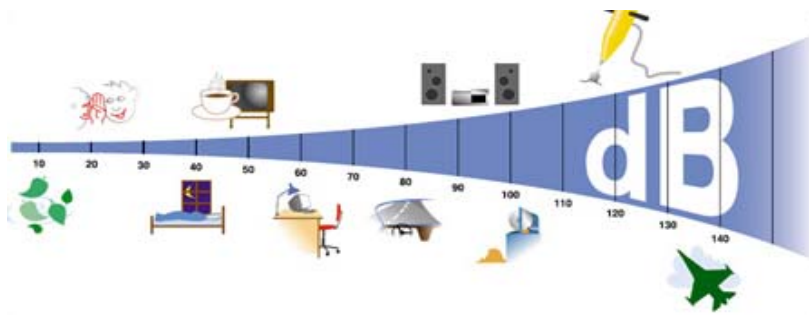
If an anodised finish is to be specified, compliance can be achieved by selection of an appropriately dimensioned frame coupled with a colour that satisfies the luminance contrast requirements when compared to adjacent wall or door finishes. To this end we provide Luminance Contrast Values for all our finishes and these can be found in our on line finishes library.

Please Note!

All our sections are designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



DID YOU KNOW?

- Sound reduction will improve with increased glass thickness due to the greater mass involved;
- Sound reduction will decrease somewhat with increasingly larger glass areas but not enough to make much difference in the majority of architectural glass sizes;
- Sound reduction will improve with the use of laminated glass due to the vibration dampening effect of the PVB interlayer. Laminated glass is particularly effective for interior partitions as it reduces the 'coincidence dip' attributed to monolithic glass in the 1000 - 2000Hz range, a range attributed to the human voice. The optimum PVB interlayer thickness for sound reducing laminated glass is 1.14mm but 0.38mm will generally suffice. Multi-laminates combine the mass effect of solid glass with the dampening effect of the interlayer for superior sound reduction;
- Sound reduction will improve with the use of glass/airspace combinations, but the performance is critically dependent upon the width of the airspace. Sapphire Frontline Suite will give excellent results in normal situations for premium performance refer to Sapphire's 92mm maxline double glazed option or maximum spacing of 300mm can be achieved with Sapphire's Microline framing.

WHAT IS STL & STC?

There are two fundamental considerations that come into play when measuring the reduction of sound through windows and selecting a glass for sound insulation:

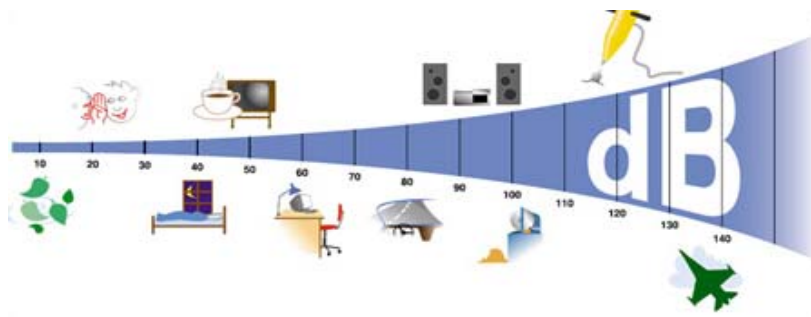
- Sound Transmission Loss (STL) - indicates the effectiveness of a window or wall in reducing exterior sounds. In determining the ability of a window or wall in reducing outdoor sounds such as traffic noises, engineers usually figure STL in the frequency ranges of 100 - 150Hz (UK) or 125 - 4000Hz (USA). The STL is measured in decibels(dB) and thus the greater the STL value the better the glazing is for reducing sound;
- Sound Transmission Class (STC) - indicates the reduction of sound provided by an interior wall. This rating applies to interior partitions, walls, ceilings and floors, but not to exterior walls. In terms of glass this means office partitions, viewing windows for radio/TV stations and similar applications. The STC value is a number rating that is designed to correlate the effectiveness of sound insulation of elements against sounds normally sourced inside buildings (i.e, speech, typewriters). Before exploring the sound reduction capabilities of glass it is important to establish the fact that the best sound reducing glass cannot do its job if air leaks or cracks allow sound to travel around or through the glass.

WHAT IS COINCIDENCE DIP?

This occurs where the panel vibrates in unison with the frequency of the sound. The result is that the sound insulation values of the glass panel are reduced at that specific frequency. The frequency at which the 'dip' occurs varies with the thickness and the stiffness of the glass. The thicker and stiffer the glass, the lower the frequency at which the 'dip' occurs. Where specific frequencies are targeted for noise reduction, an analysis of where the frequency 'dip' occurs for the glass type under consideration is important.

ANNEALED GLASS	
Nominal thickness (mm)	Interior STC Rating
6	31
8	33
10	34
12	36

LAMINATED GLASS			
Nominal Thickness (mm)	Interior STC Rating	Nominal Thickness (mm)	Interior STC Rating
6.38	33	10.76	39
6.5	36	11.5	39
6.76	34	12.38	39
8.38	35	12.5	40
10.38	36	12.76	40
10.5	39	13.5	41



ACOUSTIC TERMS AND DEFINITIONS

Rw Weighted Sound Reduction Index

Rw describes the airborne sound insulating power of a building element. It is a laboratory measured value. It can apply to walls, ceiling/floors, ceiling/roofs, doors, or windows. The higher the number, the greater the sound insulating power of the building element.

For example, an increase in the Rw of a wall by 10 points will reduce the perceived loudness of sound passing through the wall by about half. Table 1 shows how the sound insulating effectiveness of walls depends on their Rw or Rw + Ctr values.

Table 1

Effect of various walls on sound insulation performance

Rw	Rw + Ctr	EFFECT OF DIFFERENT VALUES OF Rw AND Rw + Ctr ON SOUND INSULATION PERFORMANCE
25	22	Normal speech can be heard easily
30	25	Loud speech can be heard easily
35	28	Loud speech can be heard but not understood
42	35	Loud speech heard as murmur
45	38	Must strain to hear loud speech
48	40	Loud speech can be barely heard
53	44	Loud speech can not be heard
63	55	Music heard faintly, bass notes 'thump'
70	60	Loud music still heard very faintly

Rw + Ctr Rw plus Spectrum Adaptation Term

Rw + Ctr is equal to Rw with the addition of a low frequency sound correction, Ctr. The use of Rw + Ctr has become more relevant due to the increase in low frequency sound sources such as surround sound systems, traffic and aircraft noise, drums and bass guitars.

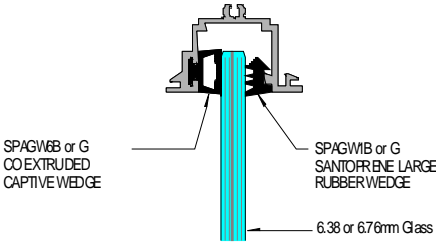
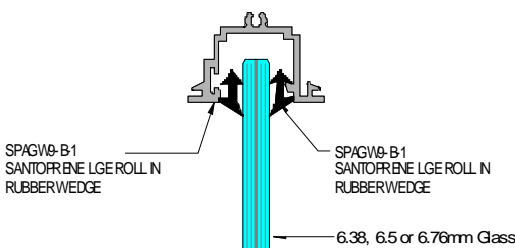
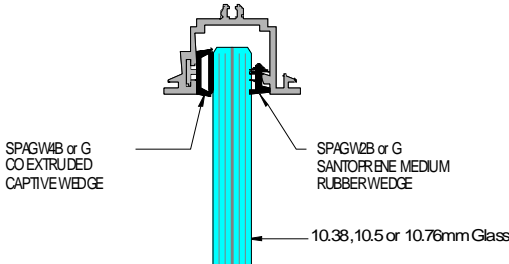
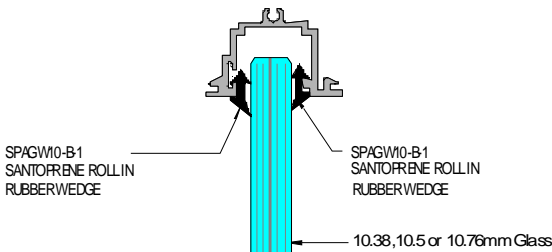
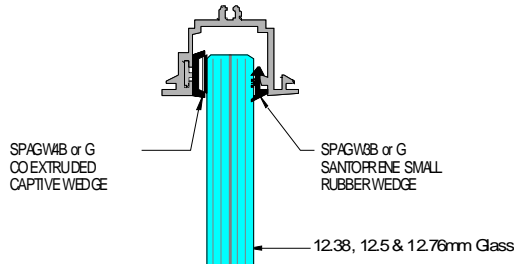
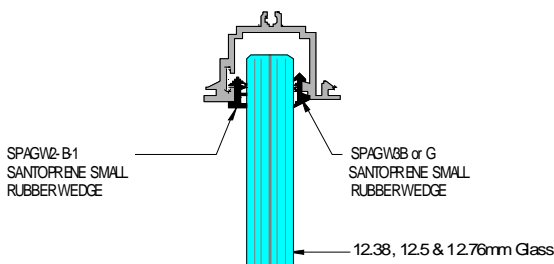
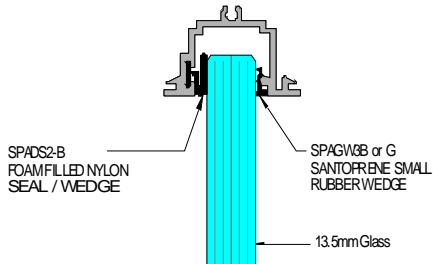
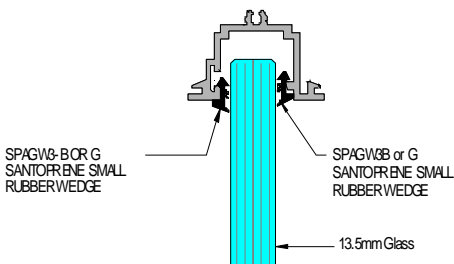
Two walls can have the same Rw rating, but have different resistance to low frequency sound, thus a different Rw + Ctr.

DnTw and DnTw + Ctr Measured on-site

These values are the equivalent of Rw and Rw + Ctr, but measured on-site. Rw is the value measured in an acoustic laboratory, while DnTw is measured on-site.

An on-site measured value of DnTw + Ctr is permitted to be 5 points lower than the Rw + Ctr value. Where the BCA may call for an Rw + Ctr e" 50, the same requirement may be satisfied by measuring DnTw + Ctr e" 45 on-site.

Use the following wedge and glass options for
**Microline, Wideline Gen 3, Frontline Gen 2, 76mm Maxline Gen 2, 92mm Maxline Front /
Double Glaze and Shooshline Doors**

 <p>SPAGW6B or G CO-EXTRUDED CAPTIVE WEDGE</p> <p>SPAGW1B or G SANTOPRINE LARGE RUBBER WEDGE</p> <p>6.38 or 6.76mm Glass</p>	 <p>SPAGW8-B1 SANTOPRINE LGE ROLL IN RUBBER WEDGE</p> <p>SPAGW8-B1 SANTOPRINE LGE ROLL IN RUBBER WEDGE</p> <p>6.38, 6.5 or 6.76mm Glass</p>
 <p>SPAGW1B or G CO-EXTRUDED CAPTIVE WEDGE</p> <p>SPAGW2B or G SANTOPRINE MEDIUM RUBBER WEDGE</p> <p>10.38, 10.5 or 10.76mm Glass</p>	 <p>SPAGW10-B1 SANTOPRINE ROLL IN RUBBER WEDGE</p> <p>SPAGW10-B1 SANTOPRINE ROLL IN RUBBER WEDGE</p> <p>10.38, 10.5 or 10.76mm Glass</p>
 <p>SPAGW1B or G CO-EXTRUDED CAPTIVE WEDGE</p> <p>SPAGW3B or G SANTOPRINE SMALL RUBBER WEDGE</p> <p>12.38, 12.5 & 12.76mm Glass</p>	 <p>SPAGW2-B1 SANTOPRINE SMALL RUBBER WEDGE</p> <p>SPAGW3B or G SANTOPRINE SMALL RUBBER WEDGE</p> <p>12.38, 12.5 & 12.76mm Glass</p>
 <p>SPADS2-B FOAM FILLED NYLON SEAL / WEDGE</p> <p>SPAGW3B or G SANTOPRINE SMALL RUBBER WEDGE</p> <p>13.5mm Glass</p>	 <p>SPAGW3-BOR G SANTOPRINE SMALL RUBBER WEDGE</p> <p>SPAGW3B or G SANTOPRINE SMALL RUBBER WEDGE</p> <p>13.5mm Glass</p>

PLEASE NOTE ! IF YOU DO NOT WISH TO USE SPAGW2, GW4 OR SPADS2 SLIDE IN WEDGES, YOU MAY USE A PUSH IN CAPTIVE WEDGE OPTION WHICH IS NOT SUPPLIED BY SAPPHIRE.



INTRODUCTION

The Sapphire Microline Suite is primarily used for framing glass. It is a suite that can be adapted to a variety of uses such as double glazing and can be combined with Sapphire's other suites.

COMMON USE

Residential & Commercial Office Partitions

FEATURES

- o Rounded Edges for soft touch
- o Snapin Sections all clip inside to maintain original dimensions of sections.
- o Single side Glazing with slide in Wedge (Cannot be deglazed from Public side)
- o Able to comply with Aust BCA Code for LRV colour difference
- o Can be used for a wide variety of Double glaze options

FRAME OPTIONS

40mm x 25mm
40mm x 50mm
40mm x 100mm

GLAZING OPTIONS

Single or Double glazed 6mm - 14.5mm as per AS1288-2006

DISABILITY COMPLIANCE

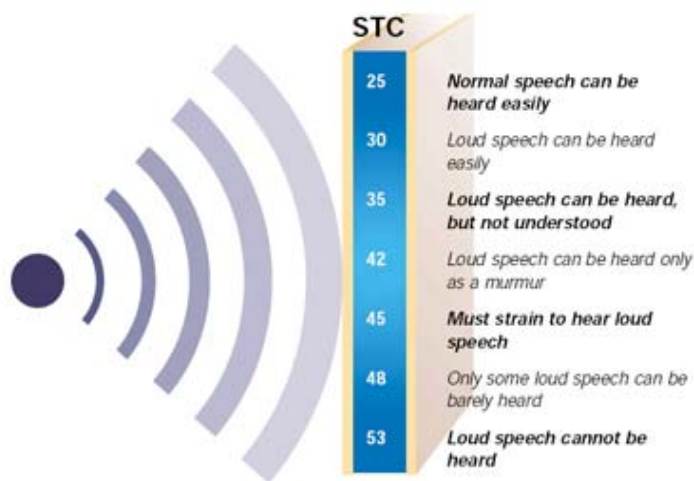
Able to comply with AS1428-2009

DOOR OPTIONS

HINGED - Timber 32mm - 45mm in thickness
or Sapphire Shooshline Glass Doors - 45mm
SLIDING - Timber 32mm - 45mm in thickness
or Sapphire Shooshline Glass Doors - 45mm

PLASTERBOARD OPTIONS

Various as this is a glass framing system it can be used in conjunction with standard set plasterboard walls or any of the other available Sapphire Partition Suites.



ACOUSTIC PERFORMANCE

WALLS

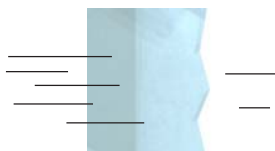
The Microline Suite may be fixed to walls of any thickness or combined with other Sapphire Partition Suites



Refer to wall specification used

GLASS

The Microline Suite will accommodate single glazing from **6mm - 14.5mm**.



Single	33	-	40dB	STC
Double	40	-	50dB	STC

(To achieve maximum rating minimum space of 100mm is required for glazing separation)

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and R_w+C_{tr} . The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship, glass manufacture and other elements outside of Sapphire's control.

SPECIFICATION

The Sapphire Microline® Suite of sections have been developed with over 25 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire Microline® Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be Microline® by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

STANDARD FRAME - 25mm

The maximum clearspan panel height without a transom shall be 2700mm.

LARGE FRAME - 50mm

The maximum clearspan panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for Microline® Partition Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire Microline® Partition Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire Microline® Partition Suite** as it may cause scratching or damage to the coated surface.

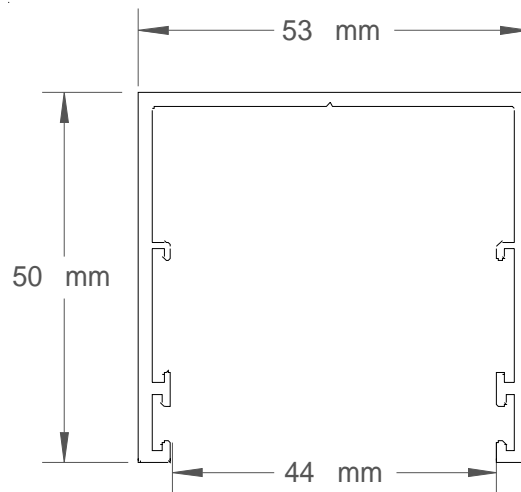
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



SAPMSH

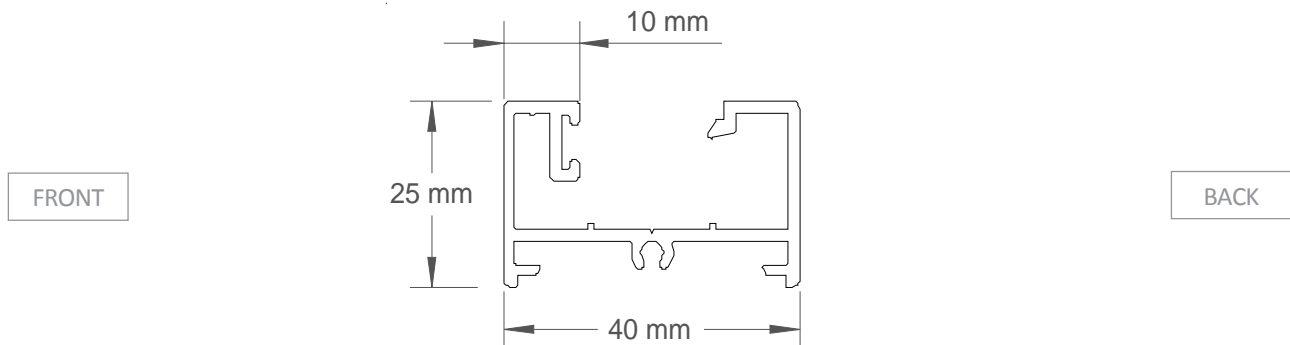
MICROLINE DEFLECTION SUBHEAD

MASS = .860 Kg/M PER = 351mm

SAPMSH is designed to accept Microline Frames to allow for deflection to satisfy AS1170.4. The section can also be used to adjust for out of level ceilings and walls.

SAPMSH accepts all 40mm wide frames and SPADS6-B-1 seal

SAPMSH is available in 3.6 metre lengths.



SAP103

MICROLINE GLAZING FRAME

MASS = .563 Kg/M PER = 275mm

SAP103 is designed to allow for narrow glazing designs or double glazing with MAXLINE. This section when installed creates a 40mm x 25mm glazing frame. SAP104 is also popular as a vertical head detail when in conjunction with SAP104/5. SAP103 will also accept SAP111C which can be finished in Black to create an Intergrated Shadowline Head. SAP103 can also be installed into SAP102 when a deflection Head / wall starter is required.

SAP103 accepts SAP105, SAP111, SAP111C

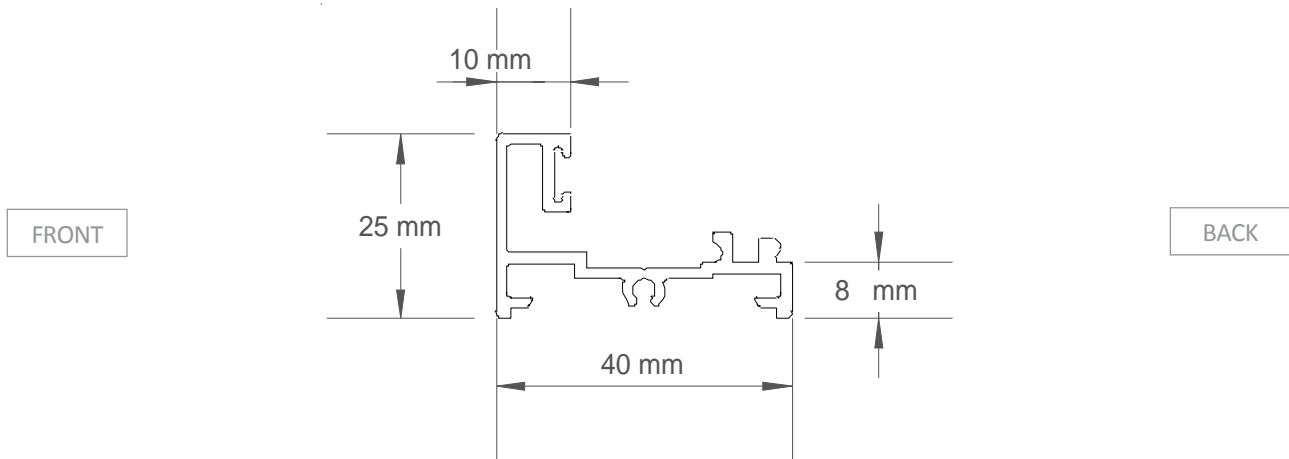
SAP103 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP103 accepts Joining Stake SPACS3-M-1 for vertical, ZENITH WEC1050 for Horizontal

SAP103 is available in 2.8 and 3.6 metre lengths.

PLEASE NOTE!

IF YOU ARE SINGLE SIDE GLAZING WITH CO-EX WEDGES SPAGW4 or 6 THEY MUST BE FITTED PRIOR TO INSTALLATION OF SAP103



SAP104

MICROLINE GLAZING SILL

MASS = .479 Kg/M PER = 228mm

SAP104 is designed to allow for narrow glazing designs or double glazing with MAXLINE. This section when installed with SAP105 glazing bead will create a 40mm x 25mm glazing channel. SAP104 is also popular as a sill and head detail when is in conjunction with the Sapphire Frontline sections.

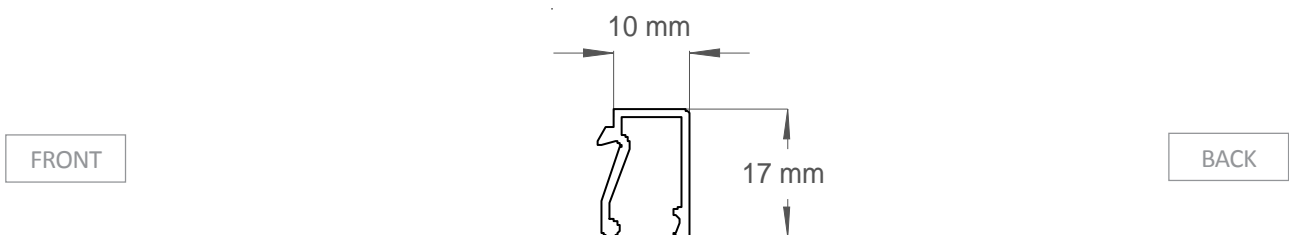
SAP104 accepts SAP105, SAP111, SAP111C & Joining Stake SPACS3-M-1 for vertical, ZENITH WEC1050 for Horizontal

SAP104 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP104 is available in 2.8 and 3.6 metre lengths.

PLEASE NOTE!

IF YOU ARE SINGLE SIDE GLAZING WITH CO-EX WEDGES SPAGW4 or 6 THEY MUST BE FITTED PRIOR TO INSTALLATION OF SAP104



SAP105

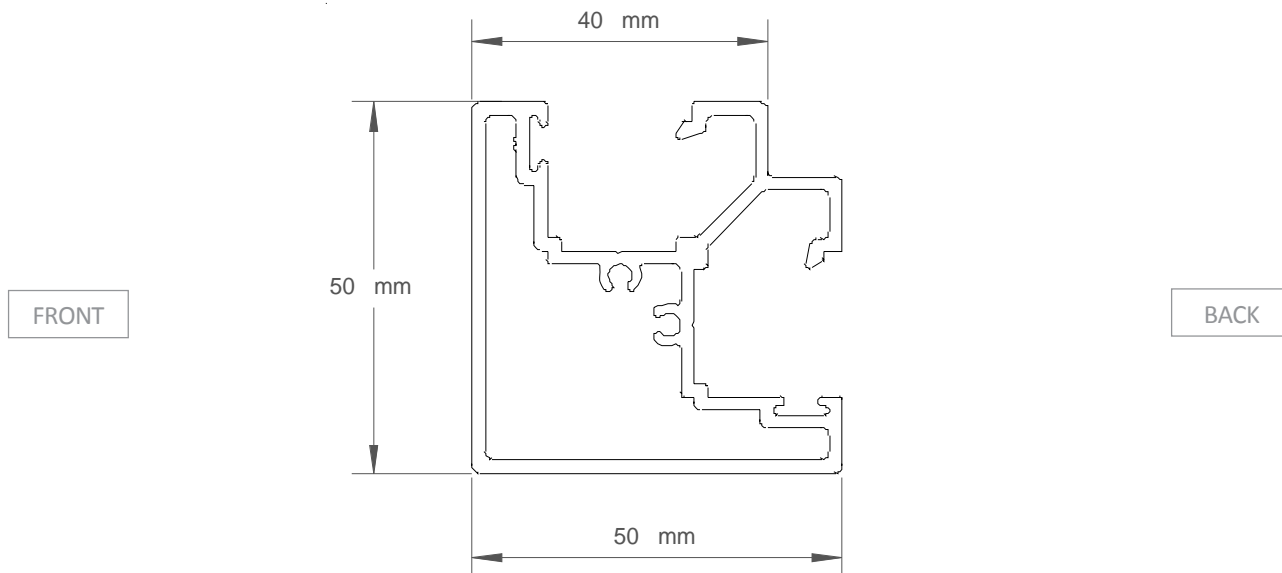
FRONTLINE GLAZING BEAD

MASS = .166 Kg/M PER = 100mm

SAP105 is designed as a glazing bead to enable frontline glazing as well as double glazing when clipped into Microline, Frontline & Maxline frames.

SAP105 clips into SAP104, SAP119, SAP033, SAP040, SAP240 & SAP340

SAP105 is available in 2.8 metre and 3.6 metre lengths.



SAP106

MICROLINE 50MM CORNER POST

MASS = 1.360 Kg/M PER = 335mm

SAP106 is designed as a 50mm corner post to be used with the microline suite. This section when installed creates a 50mm x 50mm corner post or end post.

SAP106 accepts SAP107, SAP108

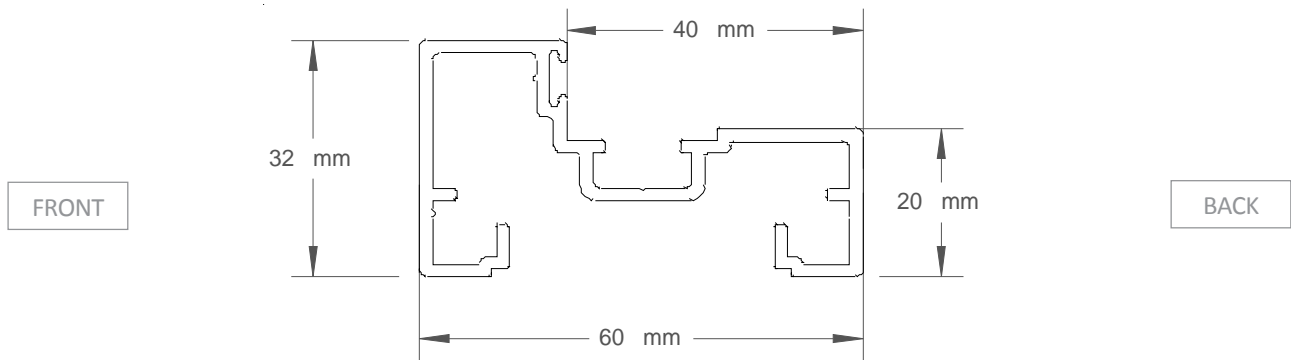
SAP106 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP106 accepts Joining Stake SPACS3-M-1

SAP106 is available in 2.8 and 3.6 metre lengths.

PLEASE NOTE!

IF YOU ARE SINGLE SIDE GLAZING WITH SPADS2, SPAGW4 or 6 THEY MUST BE FITTED PRIOR TO INSTALLATION OF SAP106



SAP107

DOORJAMB SUITS DOORS TO 35MM THICK

MASS = .845Kg/M PER = 356mm

This door jamb has been designed to comfortably accommodate doors up to 35mm in thickness and has the same overall dimensions as the SAP108 jamb to maintain a consistent look throughout the fitout. The jamb features a rebate in the centre and features an aluminium covercap, making this frame a greener option as NO PVC is required to cover the fixing points. This jamb is mounted either in plaster or glass side light reveals and features a rebate on the back to accept the SAP103 glazing frame adding strength when they are joined together.

SAP107 will accept SPAGHG168, 104 & 105 HINGES

SAP107 will accept corner brackets (SPACS1-M-1) to form complete door frames when mitre cut at the head.

SAP107 will accept SAP103, SAP109, SAP113, SAP114, SACP20, SPADS1B or G, OR SPADS6-B

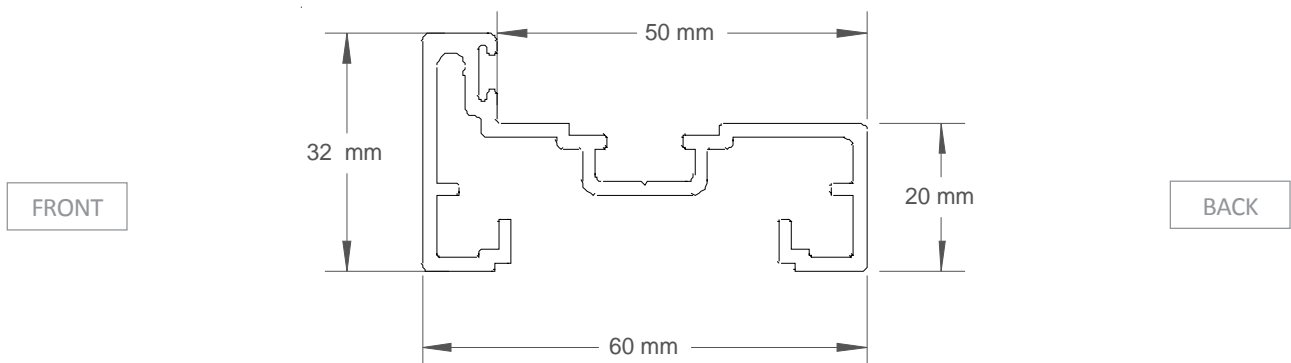
SAP107 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE !

You can also install a 12mm Batwing smoke seal to doorstops if desired in place of our other seals.

IF YOU ARE FITTING AN ELECTRIC STRIKE, THEN SAP109 MUST BE INSTALLED AS WELL.

IF YOU ARE HINGING A DOOR OFF A GLASS SIDELIGHT THEN SAP113 OR SAP114 SHOULD BE USED.



SAP108

DOORJAMB TO SUIT DOORS UP TO 45MM THICK

MASS = .926Kg/M PER = 350mm

SAP108 door jamb has been designed to comfortably accommodate doors up to 45mm in thickness and has the same overall dimensions as the SAP107 jamb to maintain a consistent look throughout the fitout. The jamb features a rebate in the centre and features an aluminium covercap SACP20, making this frame a greener option as NO PVC is required to cover the fixing points. This jamb is mounted either in plaster or glass side light reveals and features a rebate on the back to accept the SAP103 glazing frame adding strength when they are joined together.

SAP108 will accept SPAGHG168, 104 & 105 HINGES

SAP108 will accept corner brackets (SPACS1-M-1) to form complete door frames when mitre cut at the head.

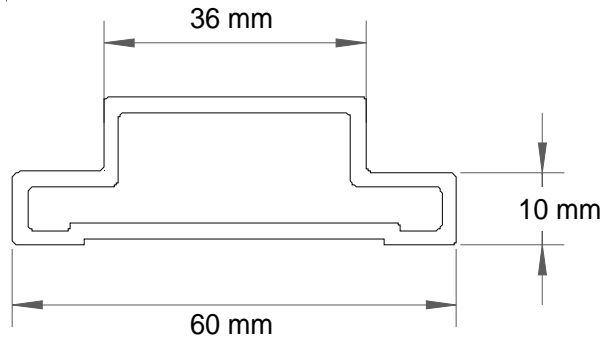
SAP108 will accept SAP103, SAP104, SAP109, SAP113, SAP114, SACP20, SPADS1-B or G OR SPADS6-B

SAP108 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE !

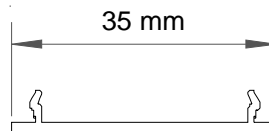
You can also install a 12mm Batwing smoke seal to doorstops if desired in place of our other seals.

IF YOU ARE FITTING AN ELECTRIC STRIKE, THEN SAP109 MUST BE FITTED BETWEEN SAP108 AND GLAZING FRAME.



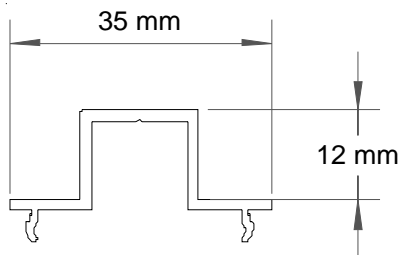
SAP109
MICROLINE ELECTRIC STRIKE ADAPTOR
 MASS = 0.170 Kg/M PER = 100mm

SAP109 has been designed as an integrated packer between SAP107/8 and our microline glazing sections to allow for the extra depth required when fitting Electric Door Strikes to a maximum depth of 28mm such as Lockwood Padde series. SAP109 sits into SAP107 & SAP108. SAP109 is available in 2.8 & 3.6 metre lengths.



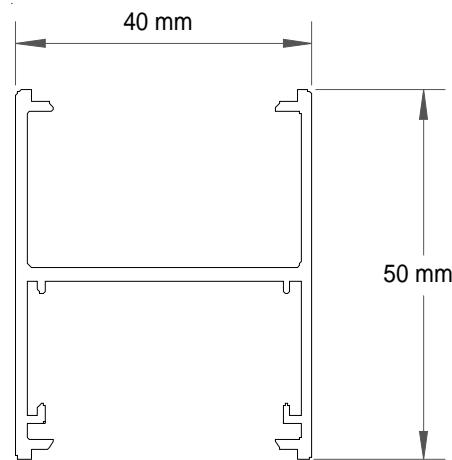
SAP111
MICROLINE SNAP IN FLUSH ADAPTOR
 MASS = 0.170 Kg/M PER = 100mm

SAP111 has a smooth surface allowing any section to be fitted anywhere on the 35mm face and use a wall or head starter and can also be used as endcap when sliding doors are used. When snapped into our Shooshline rails it can cap the bottom and top of our door rails. SAP111 snaps into SAP103, SAP104, SAP106, SAP113, SAP114, SAP119, SAP130, SAP140, SAP150, SAP160, SAP525 & SAP526. SAP111 is available in 2.8 & 3.6 metre lengths.



SAP111C
MICROLINE SNAP IN SHADOWLINE ADAPTOR
 MASS = .267 Kg/M PER = 141mm

SAP111C is similar to SAP111 but has a 12mm rise to form a shadow line detail. It is used as a complete prefinished shadowline head track adaptor, wall starter and can be finished in black separately from the other components removing the need for customwood or timber packers. SAP111C snaps into SAP103, SAP104, SAP113, SAP114, SAP119, SAP130, SAP140, SAP150, SAP160. SAP111C is available in 2.8 & 3.6 metre lengths.



SAP113

MICROLINE MULTI CAP FRAME

MASS = 0.681 Kg/M PER = 319mm

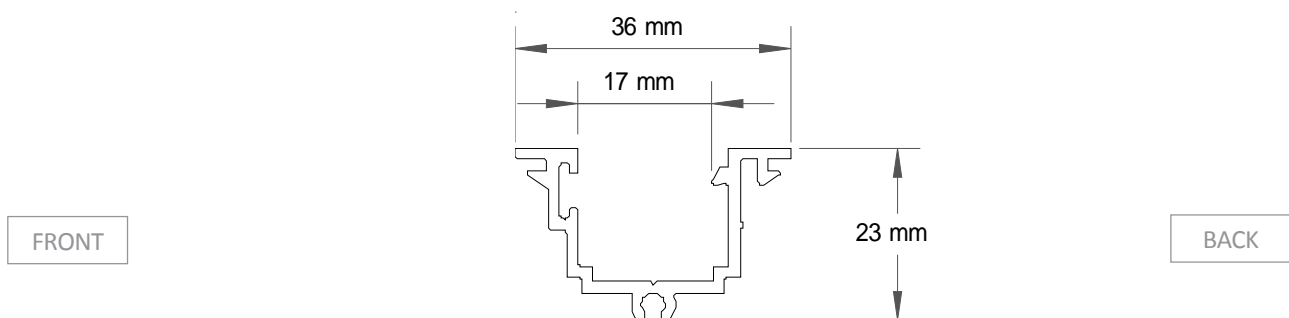
SAP113 is used as a complete 50mm prefinished head track, wall starter, mullion and capping for door / glazing reveals.

The section allows for a multitude of uses as it can accept different snap ins to either be a shadowline headtrack/ wallstarter or can have 2 pocket snapins to form a mullion.

SAP113 accepts SAP107, SAP108, SAP111, SAP111C, & SAP116

SAP113 accepts joining stakes SPACS6,7 & 8

SAP113 is available in 2.8 metre and 3.6 metre lengths.



SAP116

MICROLINE SNAP IN POCKET GLAZE

MASS = 0.390 Kg/M PER = 185mm

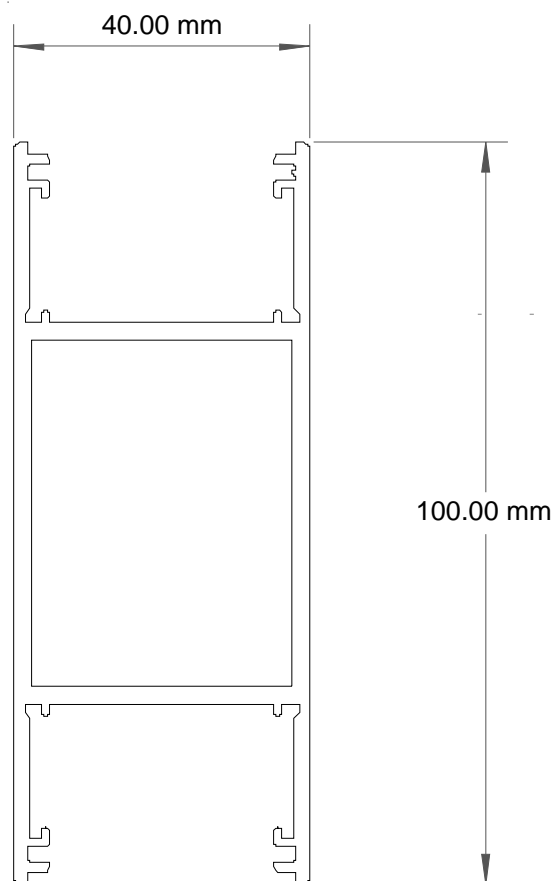
This section is a flat pocket glazing cover designed for glazing. When snapped into SAP526 it can create a 115mm midrail in our Shooshline Series Door

SAP116 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP116 snaps into SAP106, SAP113, SAP114, SAP119 & SAP526

SAP116 accepts Joining Stake ZENITH WEB1050 for vertical, ZENITH WEC1050 for Horizontal

SAP116 is available in 2.8 metre and 3.6 metre lengths.



SAP114
MICROLINE MULTI CAP TRANSOM FRAME
 MASS = 1.844Kg/M PER = 440mm

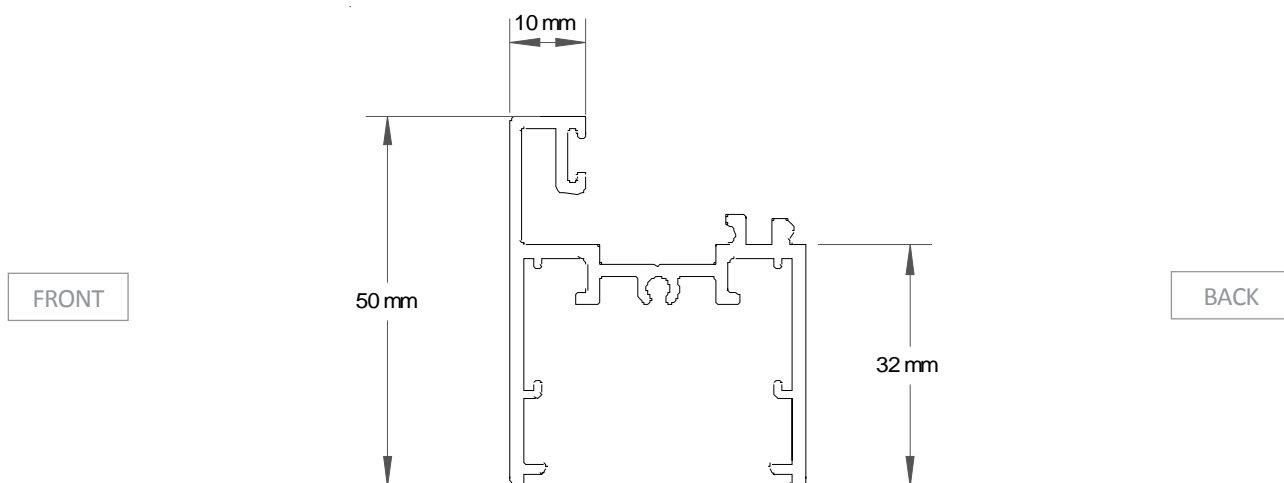
SAP114 is used as a complete 100mm prefinished head track, wall starter, mullion and capping for door / glazing reveals. The section allows for a multitude of uses as it can accept different snap ins to either be a shadowline headtrack/ wallstarter or can have 2 pocket snapins to form a mullion or transom to support overhead sliding doors in conjunction with SAP585/6.

The section is also ideal when a 115mm setback is required to a wall when used in conjunction with SAP107 & SAP108

SAP114 accepts SAP107, SAP108, SAP111, SAP111C & SAP116

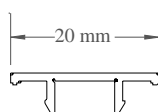
SAP114 accepts joining stakes SPACS6,7 & 8

SAP114 is available in 2.8 metre and 3.6 metre lengths.



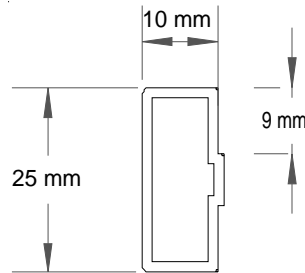
SAP119
MICROLINE 50MM GLAZING SILL / TRANSOM
 MASS = 0.865 Kg/M PER = 370mm

This section has been developed as a 50mm Sill/Transom for designs that require multiple horizontal panels of glass to be installed. SAP119 has been designed with a heavier wall thickness to cope with glass thicknesses up to 14.5mm and may have SAP116 installed on the base for extra glass support as a sill.
 SAP119 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.
 SAP119 accepts SAP105, SAP111, SAP111C and SAP116
 SAP119 accepts Joining Stake SPACS6,7,8 & ZENITH WEB1050 for vertical, ZENITH WEC1050 for Horizontal
 SAP119 is available in 2.8 metre and 3.6 metre lengths.



SAPC20
ALUMINIUM COVER CAP
 MASS = .072 Kg/M PER = 100mm

SAPC20 is an aluminium cover cap designed to snap in to cover the screwfix opening on certain Sapphire sections
 SAPC20 Snaps into SAP107, SAP108 & SAP046.
 SAPC20 is available in 2.8 & 3.6 metre lengths.



SAP25T

25MM STICK ON MULLION / TRANSOM TRIM

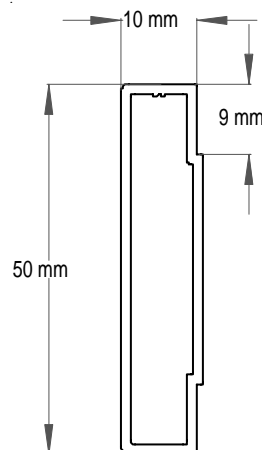
MASS = 0.236 Kg/M PER = 100mm

This section has been developed as a 25mm stick on trim each side of the glass/ silicon joint to create the look of a Mullion /Transom. The trim allows you to glaze a single panel of glass yet create the illusion of multiple panels of glazing. It is ideal as a replacement for graphics for DDA Compliance and fixed to the glass by way of 2 off 9mm Black Foam double sided tape to required thickness to match the glazing wedge and frame thickness.

SAP25T accepts SPAGT - Double Sided Foam Glazing Tape 9mm Wide inThickness 1.6mm, 3.2mm, 4.8mm, 6.4mm, 9.5mm

SAP25T is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! SAP25T is classified as unframed glazing and this should be taken into account when calculating glass thickness as per AS1288 - 2006.



SAP50T

50MM STICK ON MULLION / TRANSOM TRIM

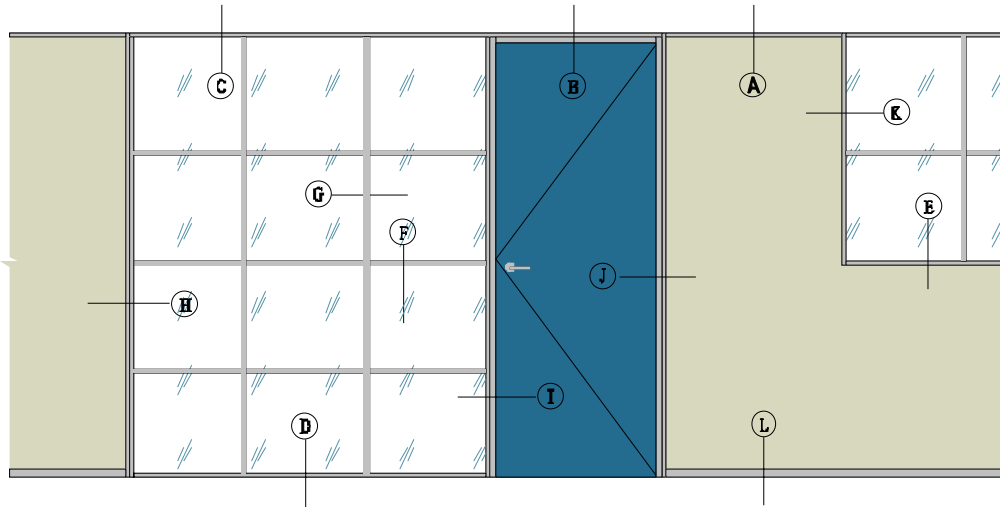
MASS = 0.415 Kg/M PER = 121mm

This section has been developed as a 50mm stick on trim each side of the glass/ silicon joint to create the look of a Mullion /Transom. The trim allows you to glaze a single panel of glass yet create the illusion of multiple panels of glazing. It is ideal as a replacement for graphics for DDA Compliance and fixed to the glass by way of 2 off 9mm Black Foam double sided tape to required thickness to match the glazing wedge and frame thickness.

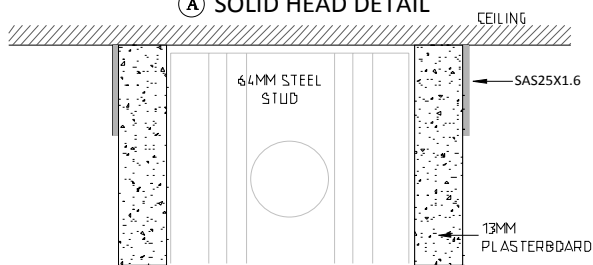
SAP50T accepts SPAGT Double Sided Foam Glazing Tape 9mm Wide inThickness 1.6mm, 3.2mm, 4.8mm, 6.4mm, 9.5mm

SAP50T is available in 2.8 metre and 3.6 metre lengths.

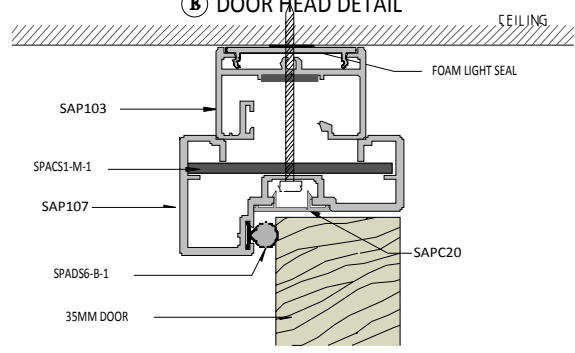
PLEASE NOTE ! SAP50T is classified as unframed glazing and this should be taken into account when calculating glass thickness as per AS1288 - 2006.



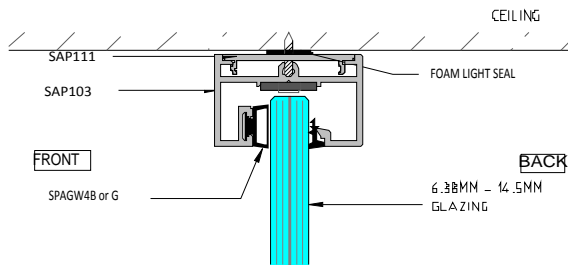
A SOLID HEAD DETAIL



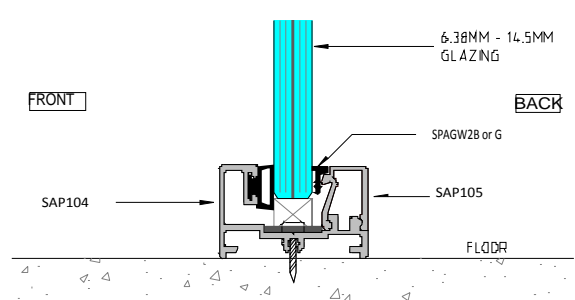
B DOOR HEAD DETAIL



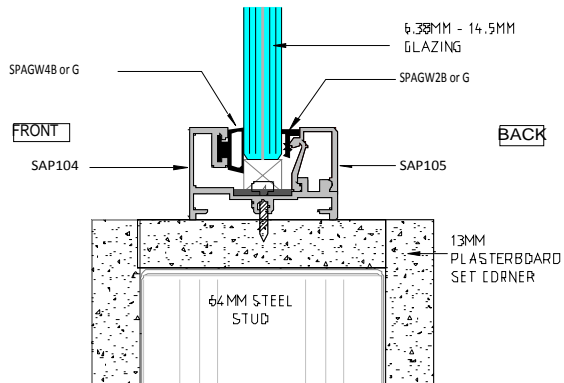
C GLAZED HEAD DETAIL



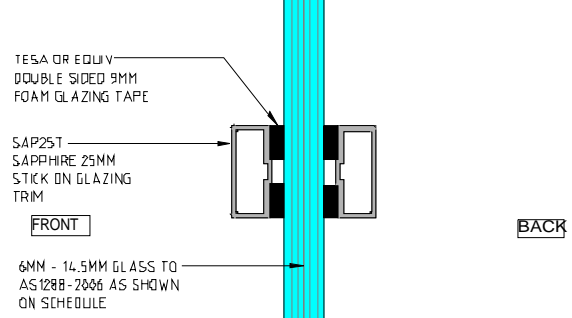
D GLAZED SILL DETAIL



E GLAZED SILL/DADDO WALL DETAIL

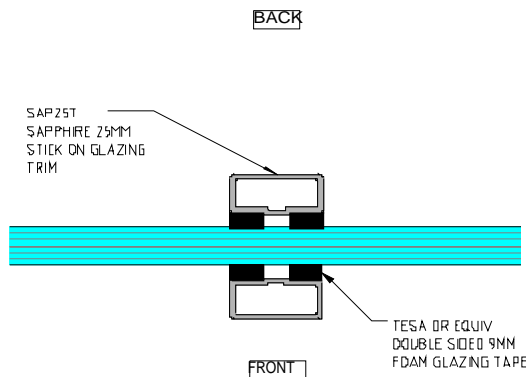


F GLAZED TRANSOM DETAIL



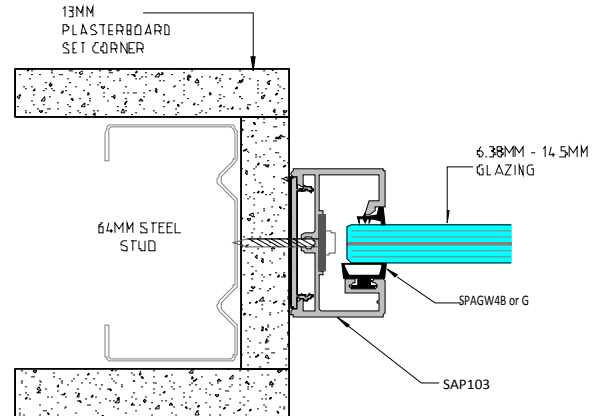
PLEASE NOTE THAT USE OF THE SAP25T IS CLASSIFIED AS UNFRAMED AND SHOULD BE TAKEN INTO ACCOUNT WHEN CALCULATING GLAZING THICKNESS IN ACCORDANCE WITH AS1288-2006

⑥ GLAZED MULLION DETAIL

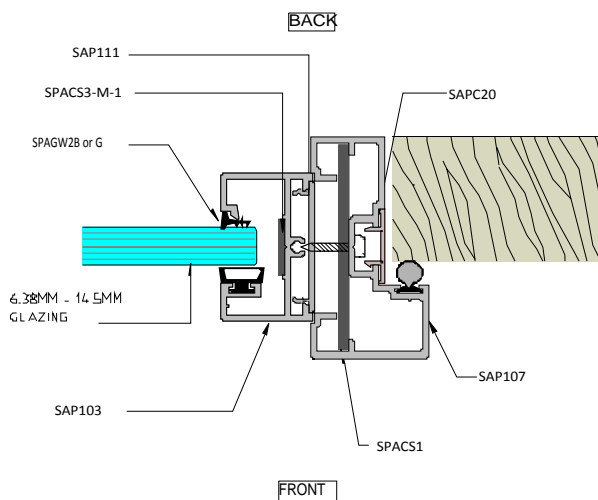


PLEASE NOTE THAT USE OF THE SAP25T IS CLASSIFIED AS UNFRAMED AND SHOULD BE TAKEN INTO ACCOUNT WHEN CALCULATING GLAZING THICKNESS IN ACCORDANCE WITH AS1288-2006

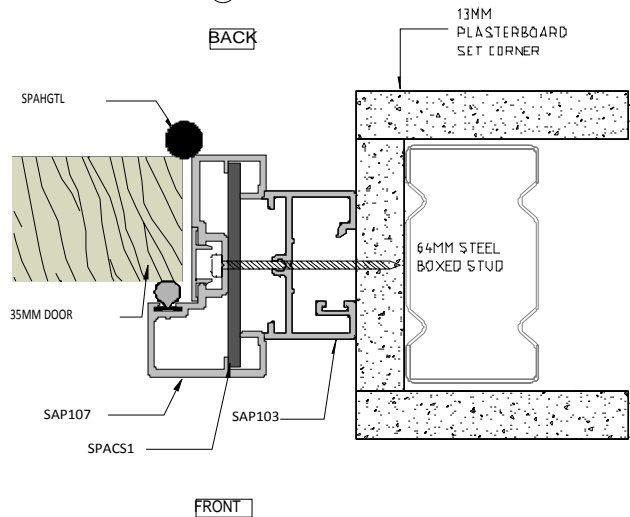
⑧ GLAZED WALL STARTER DETAIL



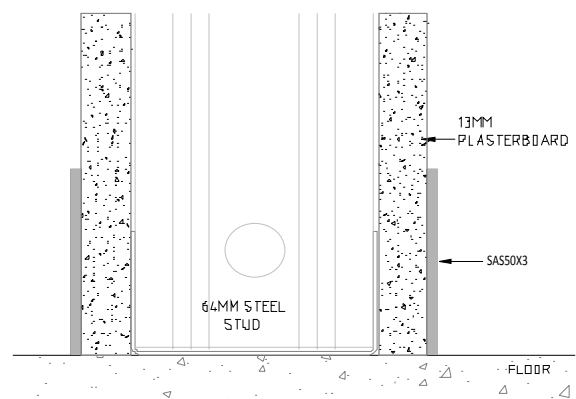
① GLAZED MULLION/DOOR DETAIL

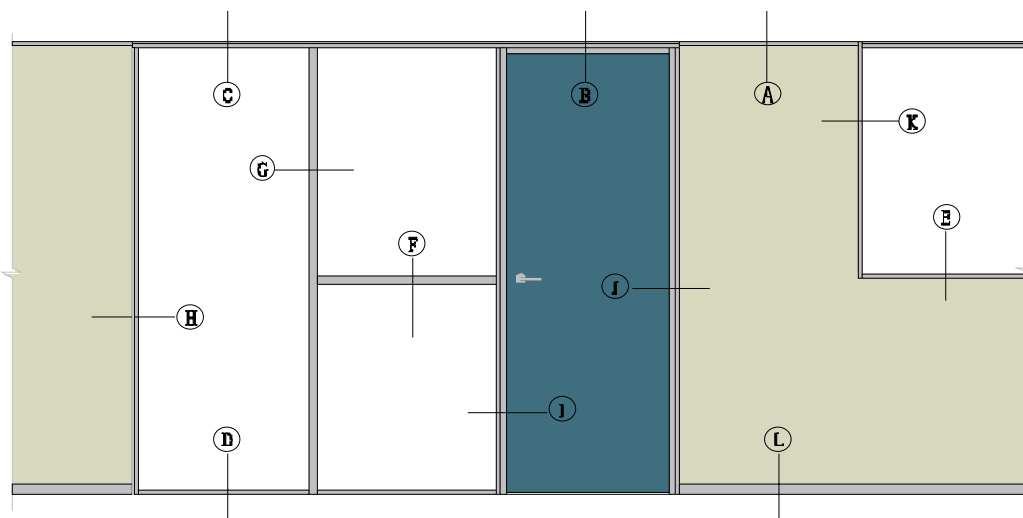


② DOOR FRAME DETAIL

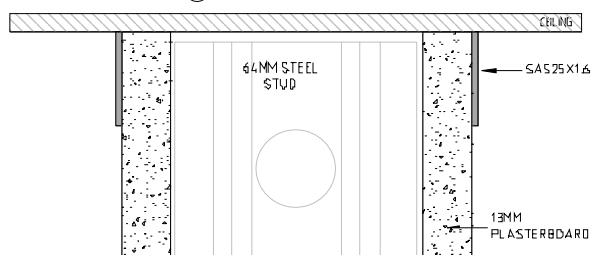


④ 50MM GLUEFIX SKIRTING DETAIL



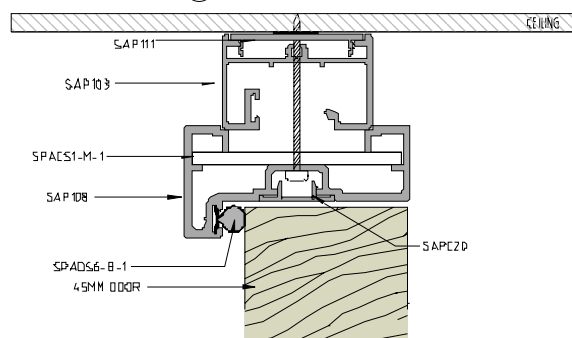


A SOLID HEAD DETAIL

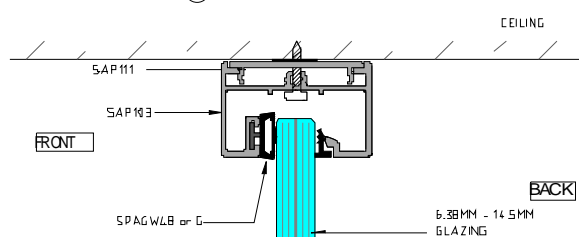


PLEASE NOTE :
OPTION OF SAS25X3 MAY BE USED

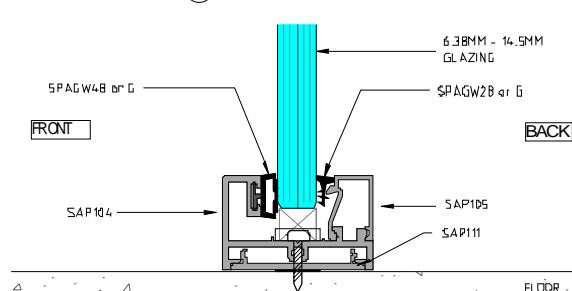
B DOOR HEAD DETAIL



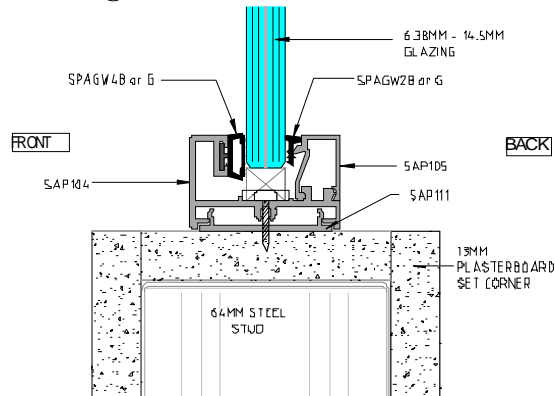
C GLAZED HEAD DETAIL



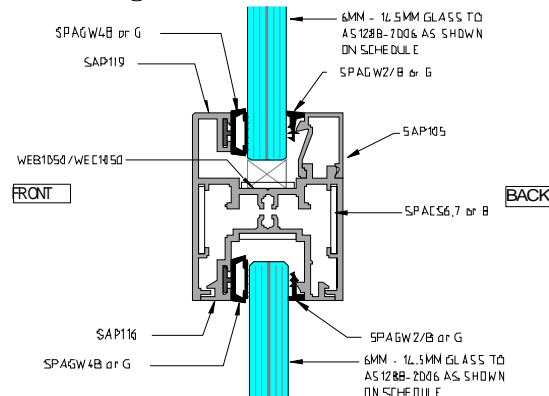
D GLAZED SILL DETAIL



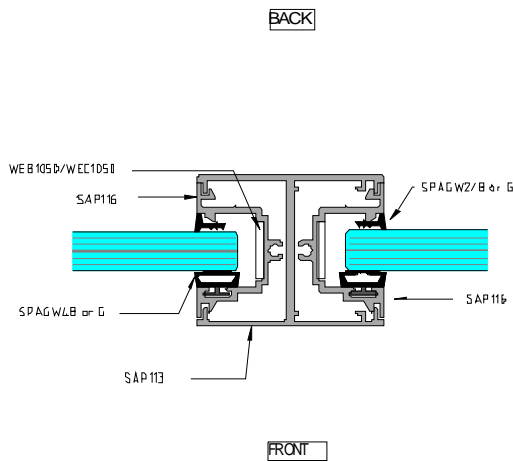
E GLAZED SILL/DADO WALL DETAIL



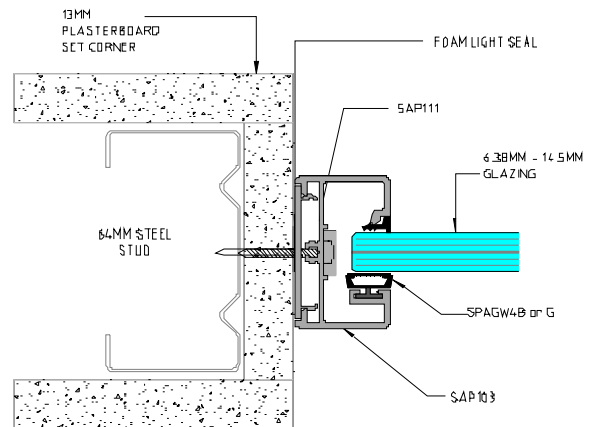
F GLAZED TRANSOM DETAIL



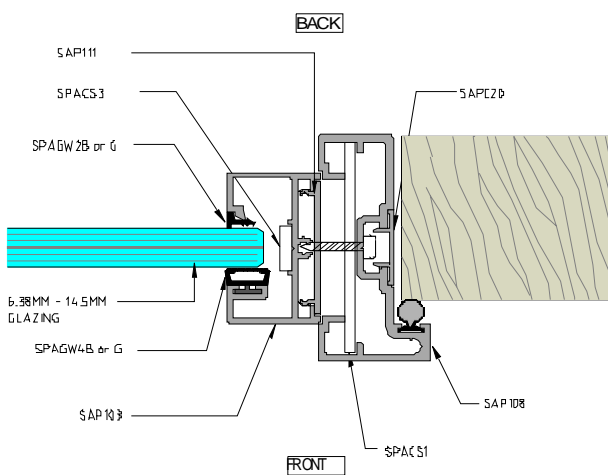
Ⓒ GLAZED MULLION DETAIL



Ⓗ GLAZED WALL STARTER DETAIL

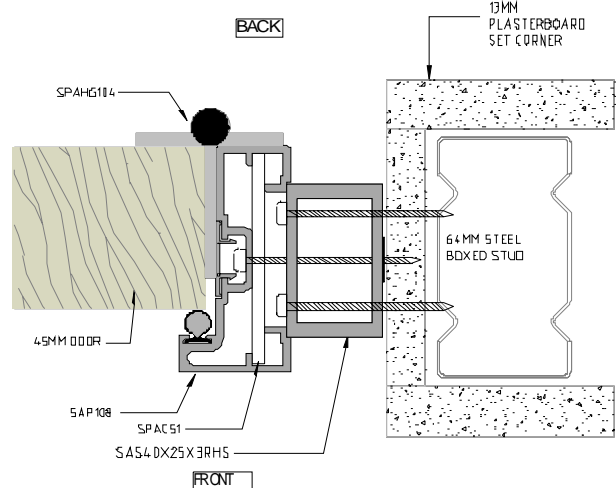


Ⓘ GLAZED MULLION/DOOR DETAIL



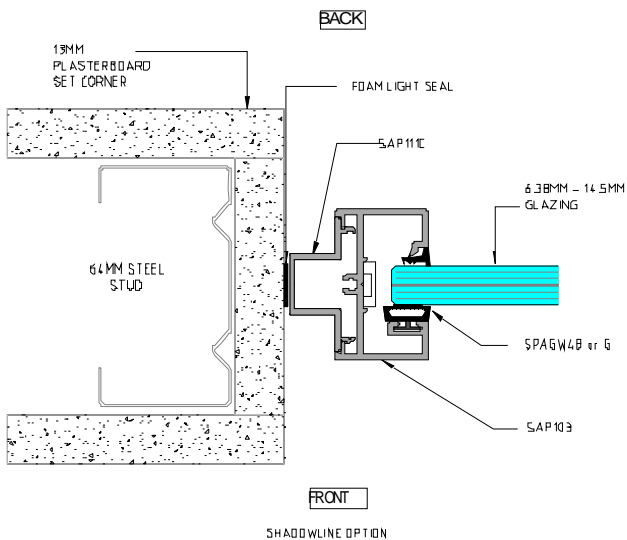
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓛ DOOR FRAME DETAIL



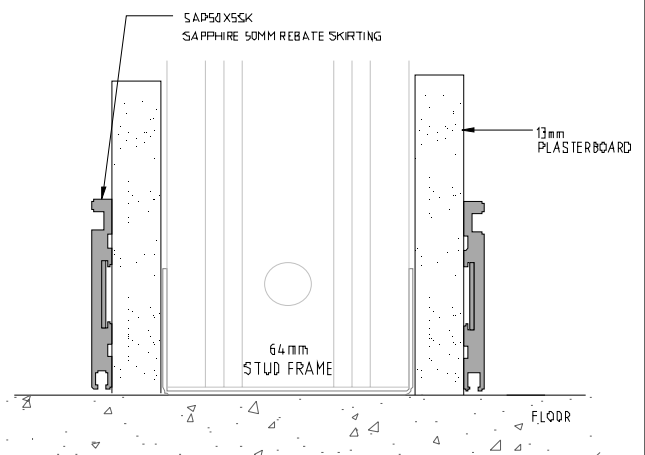
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

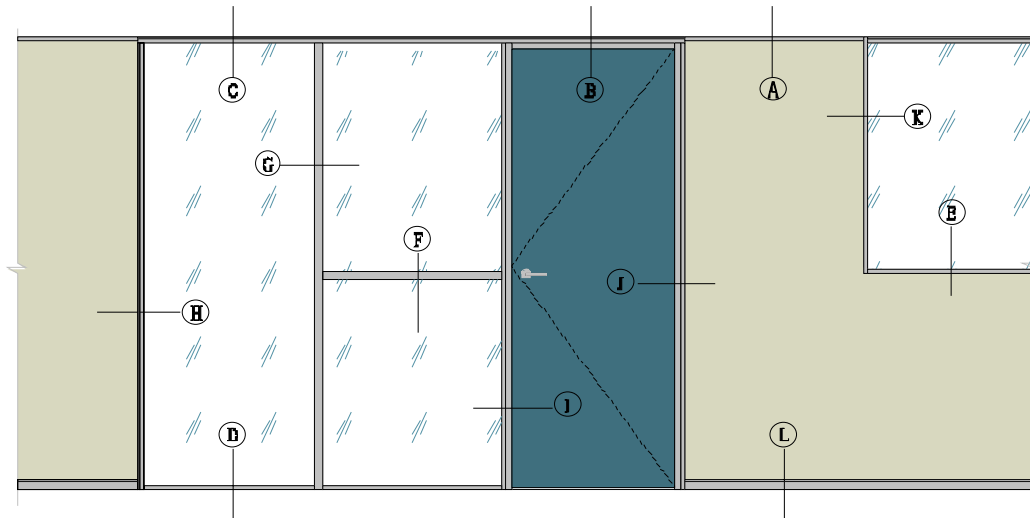
Ⓚ GLAZED WALL STARTER DETAIL



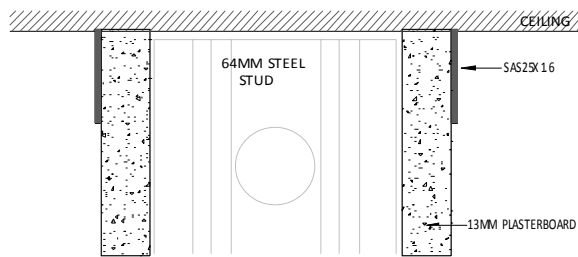
SHADOWLINE OPTION

Ⓛ 50MM GLUEFIX SKIRTING DETAIL



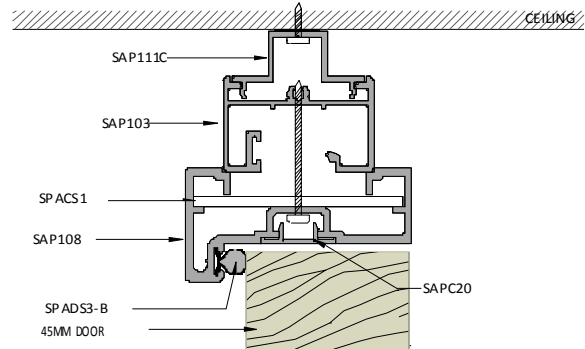


A SOLID HEAD DETAIL

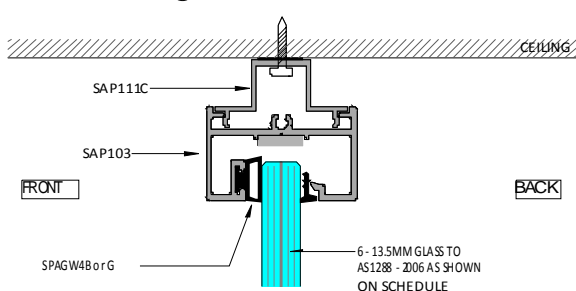


PLEASE NOTE:
OPTION OF SAS25X3 MAY BE USED

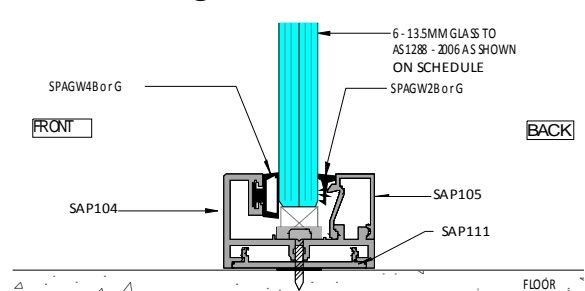
B DOOR HEAD DETAIL



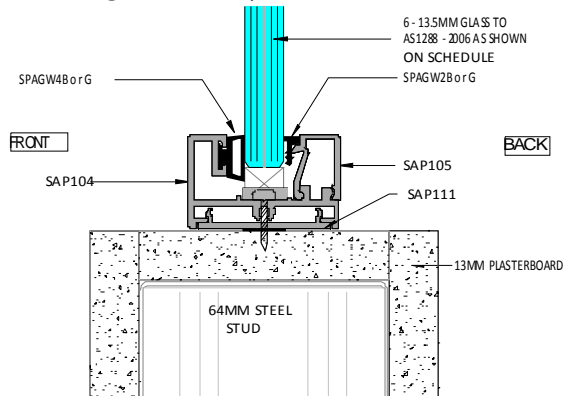
C GLAZED HEAD DETAIL



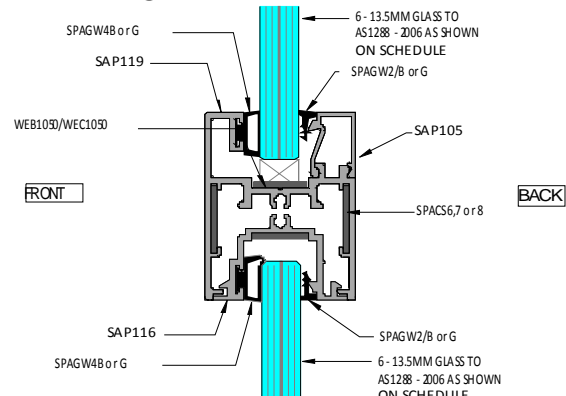
D GLAZED SILL DETAIL



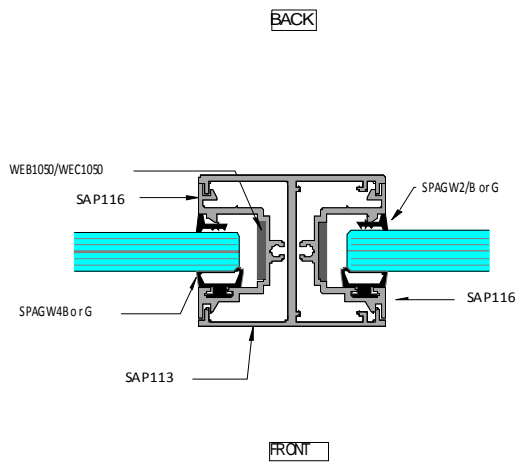
E GLAZED SILL/DADO WALL DETAIL



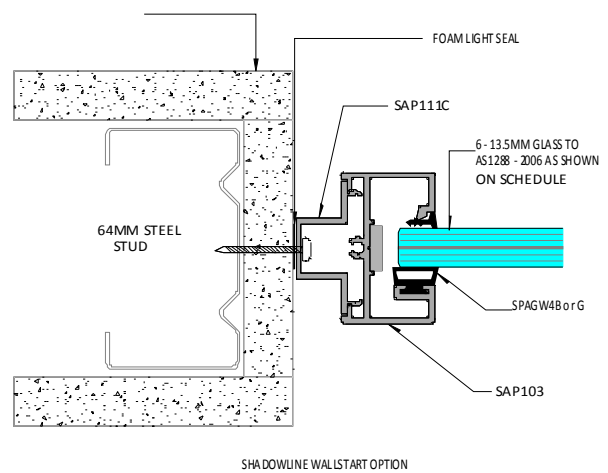
F GLAZED TRANSOM DETAIL



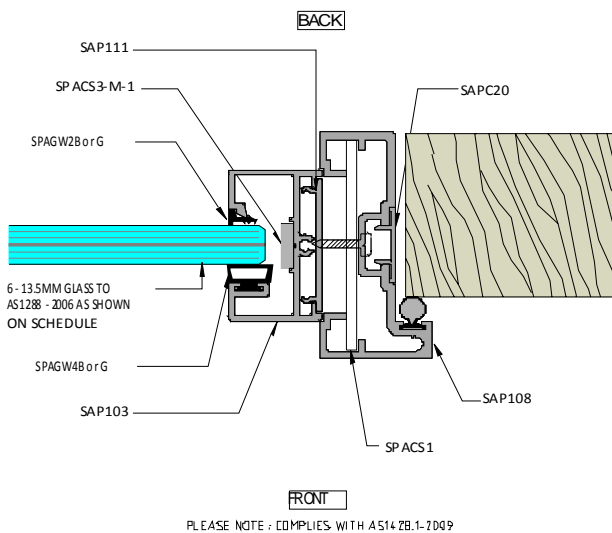
⑥ GLAZED MULLION DETAIL



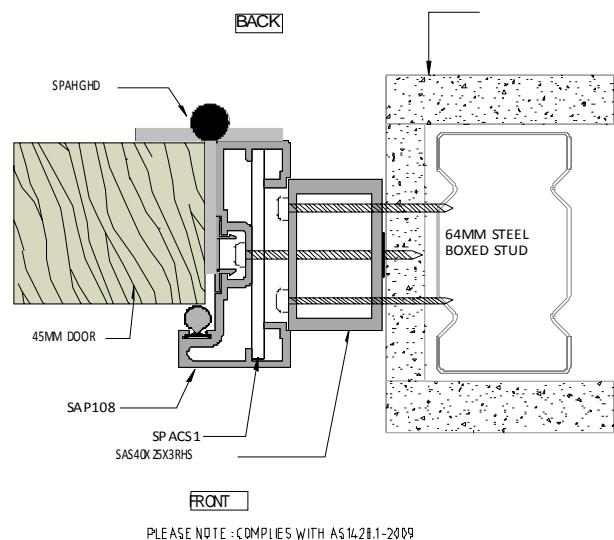
⑧ GLAZED WALL STARTER DETAIL



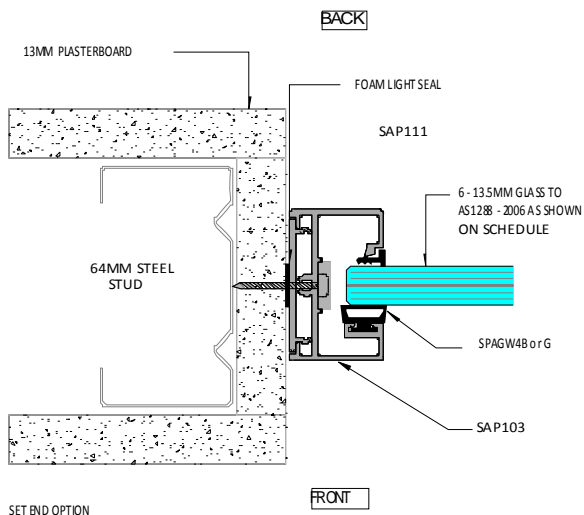
① GLAZED MULLION/DOOR DETAIL



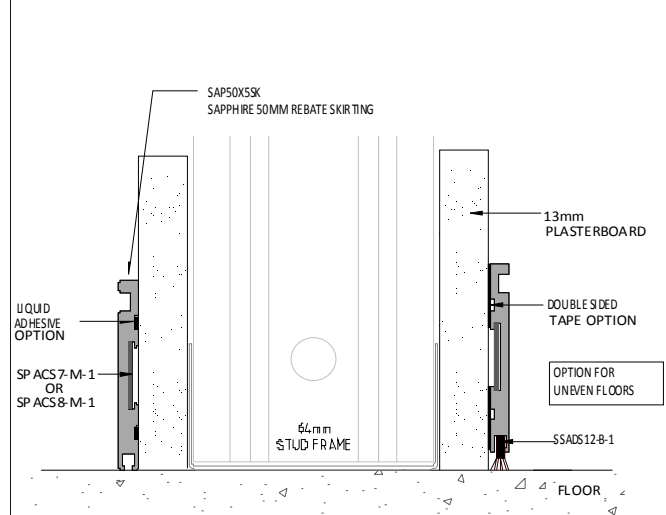
① DOOR FRAME DETAIL

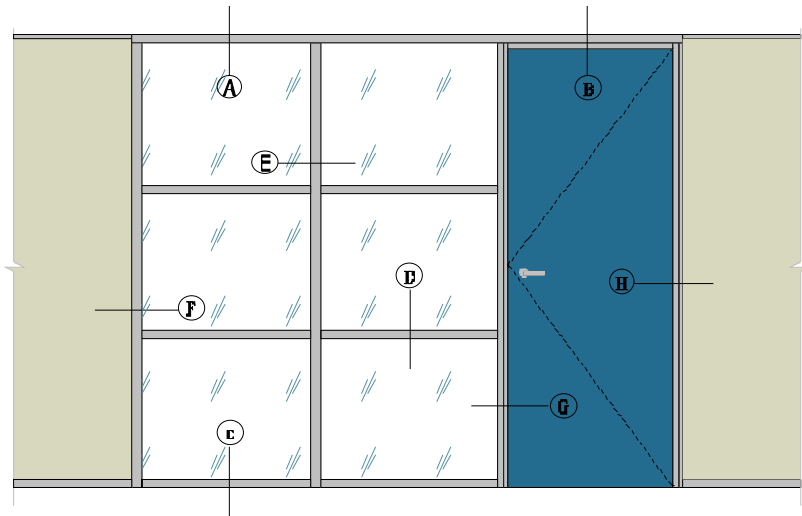


⑨ GLAZED WALL STARTER DETAIL

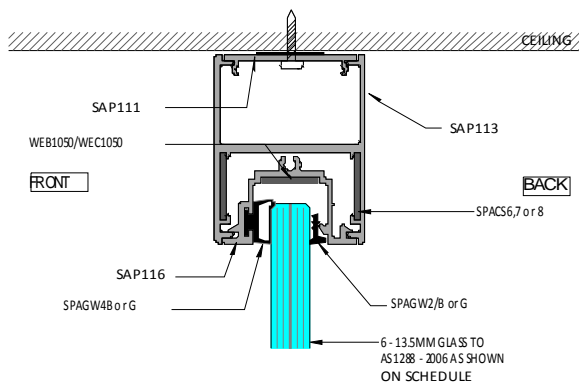


① 50MM REBATE SKIRTING DETAIL

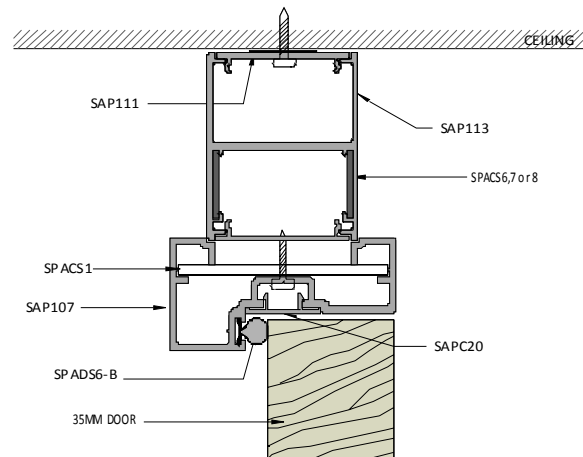




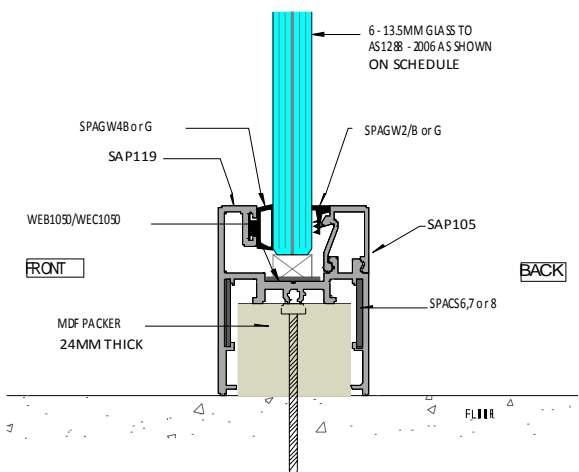
Ⓐ SOLID HEAD DETAIL



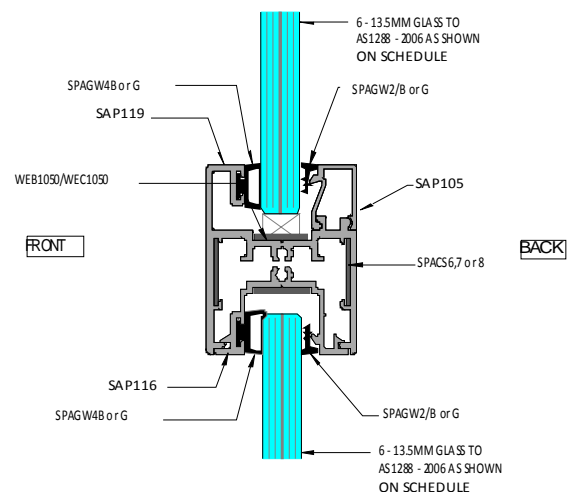
Ⓑ DOOR HEAD DETAIL



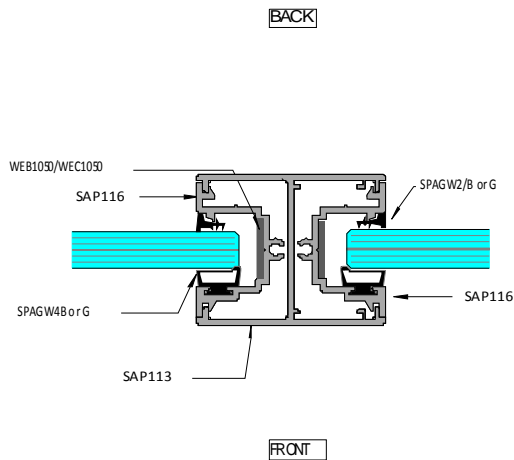
Ⓒ GLAZED SILL DETAIL



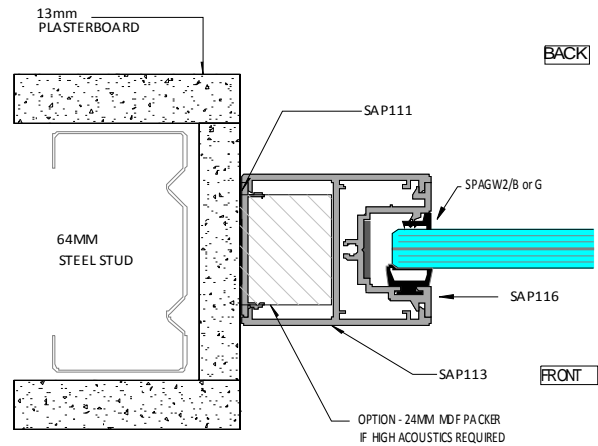
Ⓓ GLAZED TRANSOM DETAIL



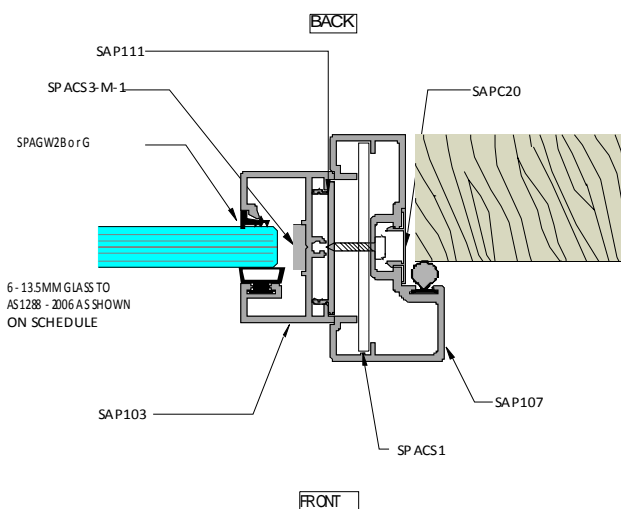
Ⓔ GLAZED MULLION DETAIL



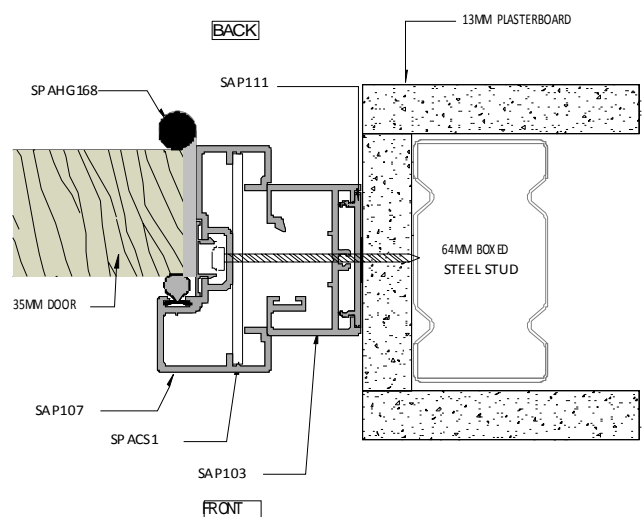
Ⓕ GLAZED WALL STARTER DETAIL



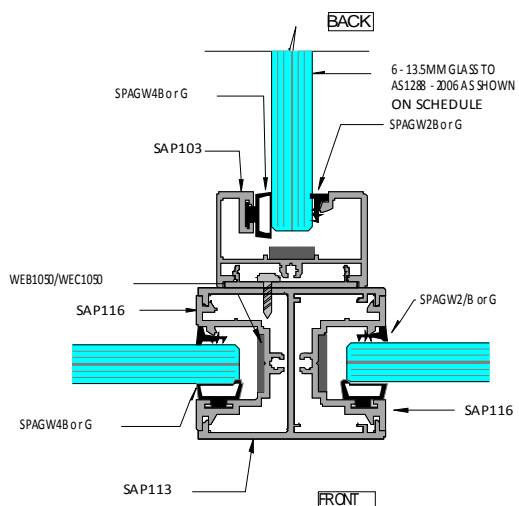
Ⓖ GLAZED MULLION/DOOR DETAIL



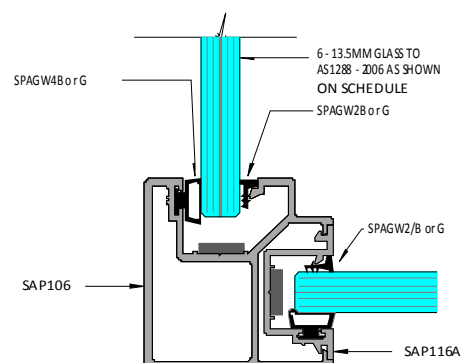
Ⓗ DOOR FRAME DETAIL

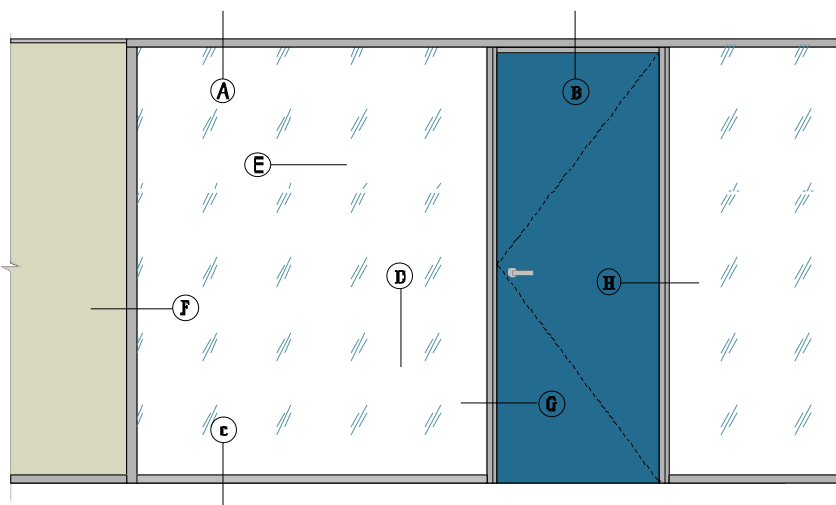


T POST DETAIL

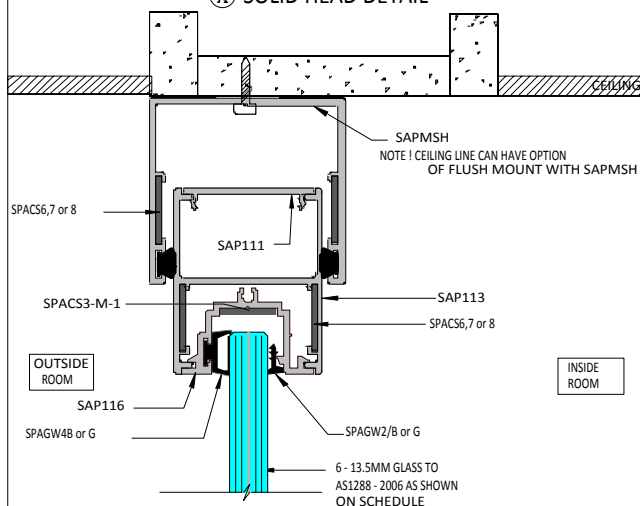


50MM CORNER POST DETAIL

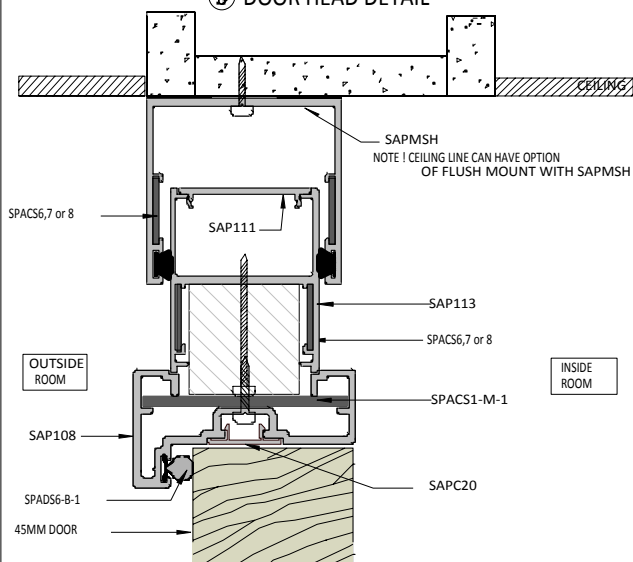




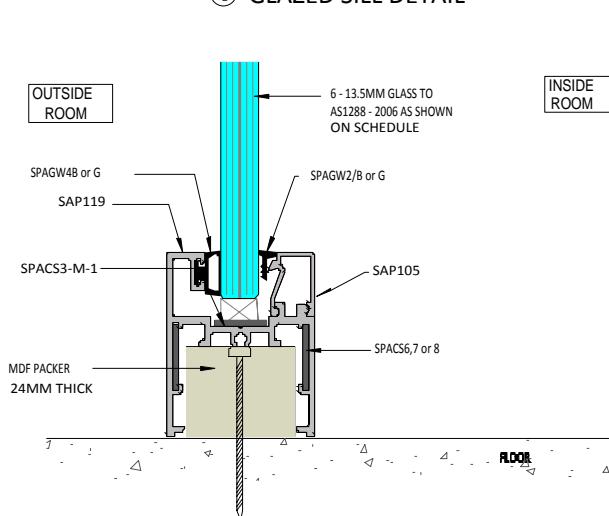
A SOLID HEAD DETAIL



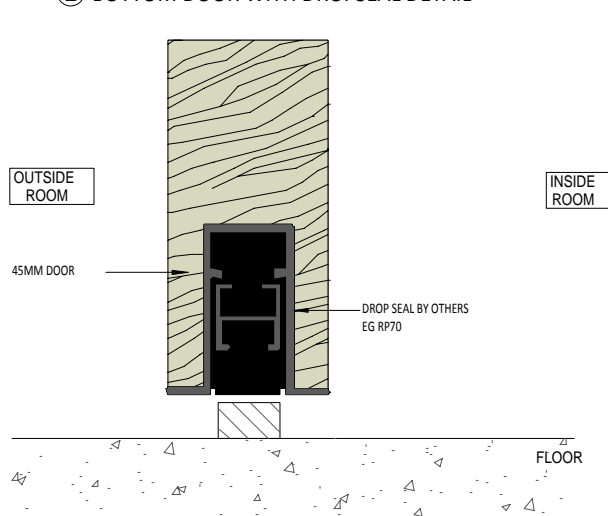
B DOOR HEAD DETAIL



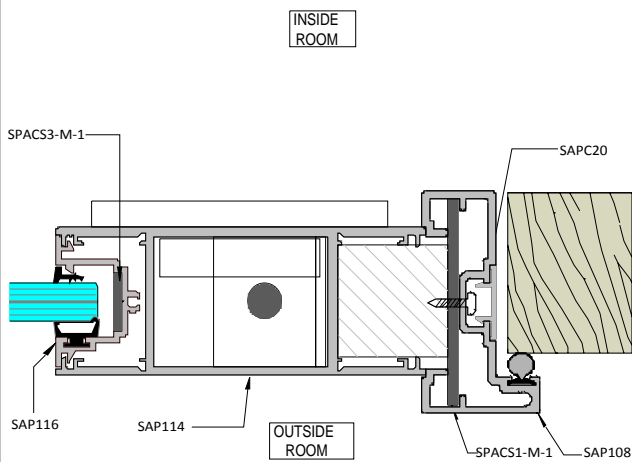
C GLAZED SILL DETAIL



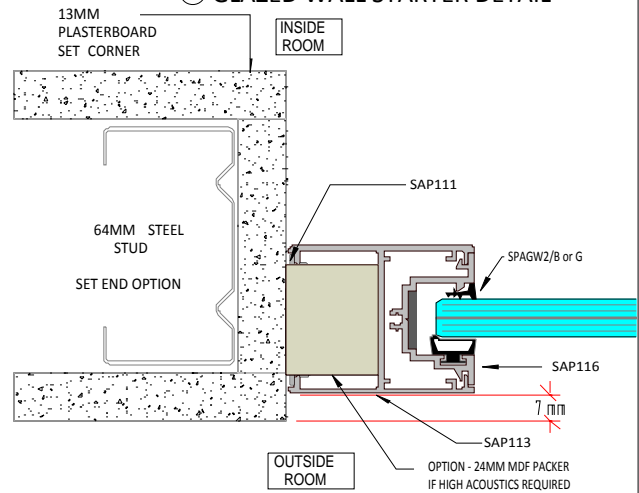
D BOTTOM DOOR WITH DROPSEAL DETAIL



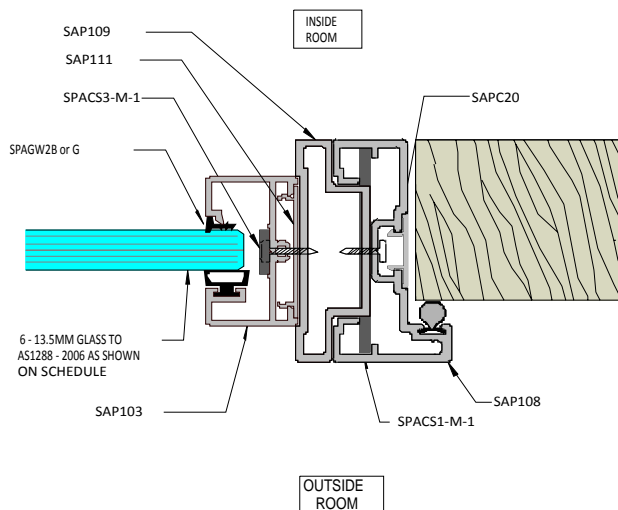
⑤ MICROLINE LIGHT SWITCH OPTION DETAIL



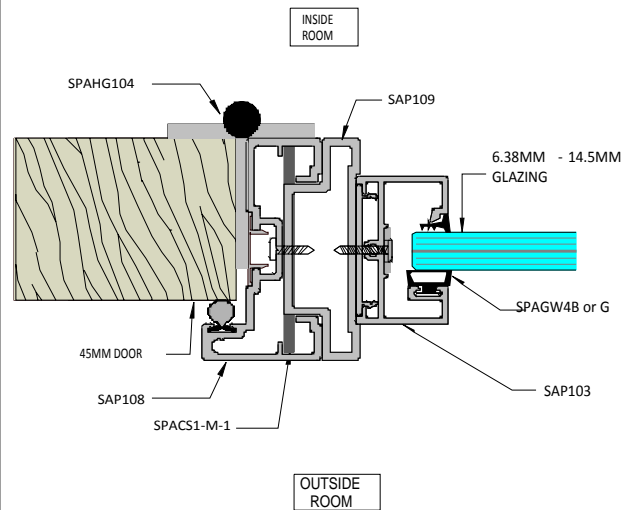
⑥ GLAZED WALL STARTER DETAIL



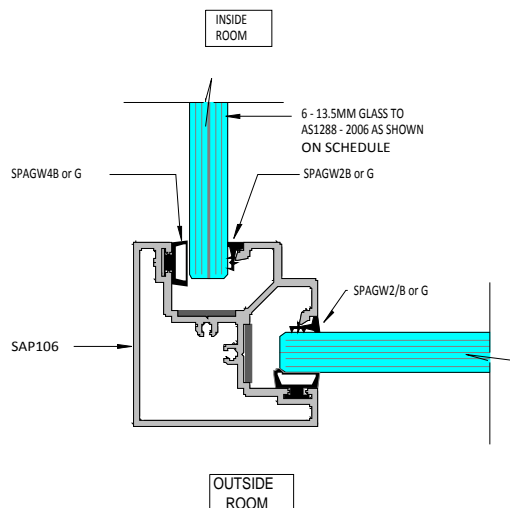
⑦ GLAZED MULLION/DOOR DETAIL

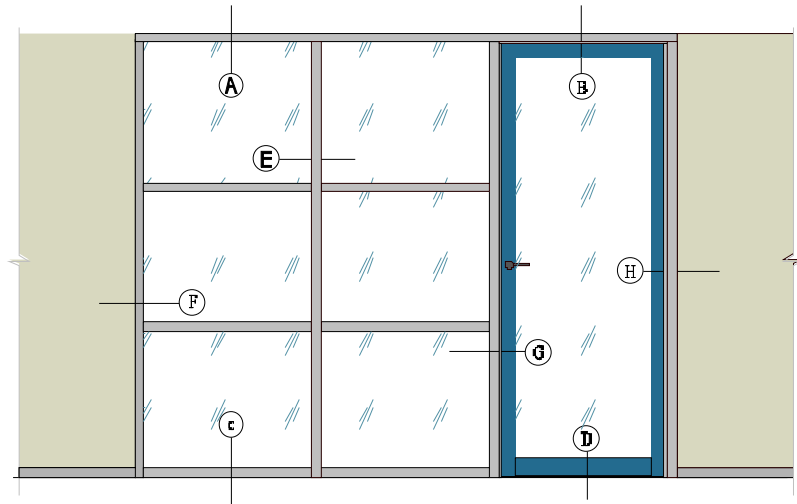


⑧ HINGED DOOR GLAZED MULLION DETAIL

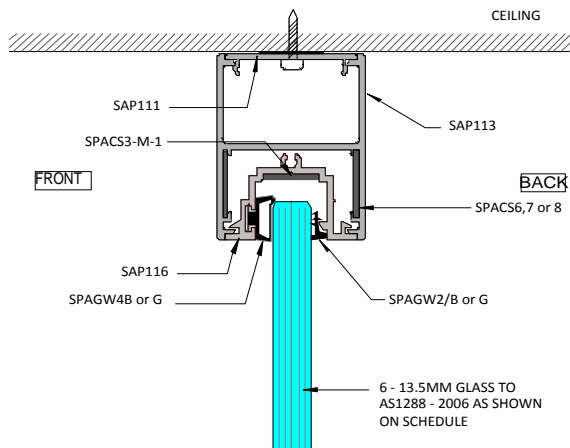


50MM CORNER POST DETAIL

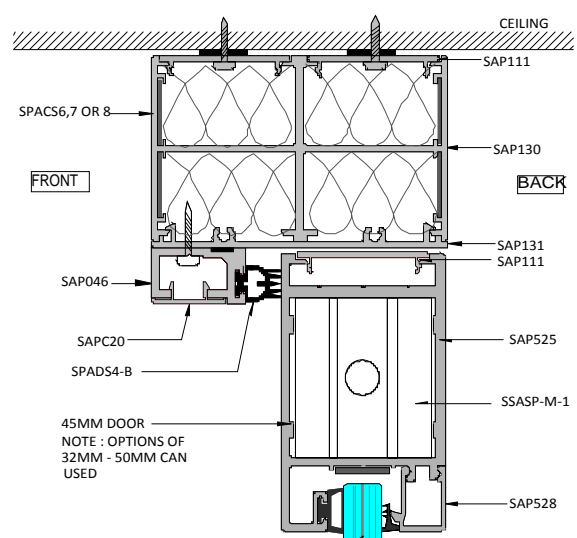




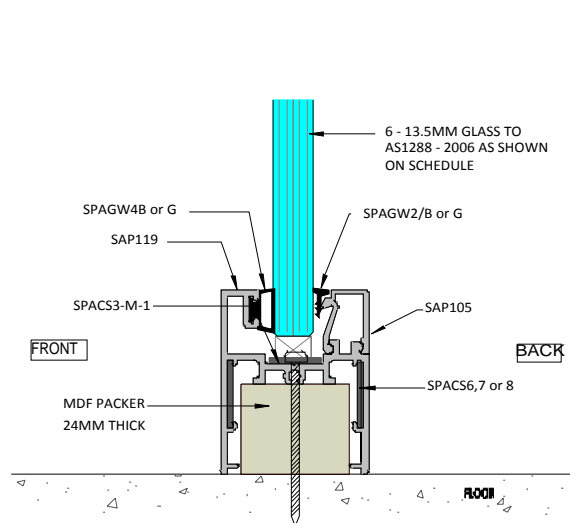
Ⓐ SOLID HEAD DETAIL



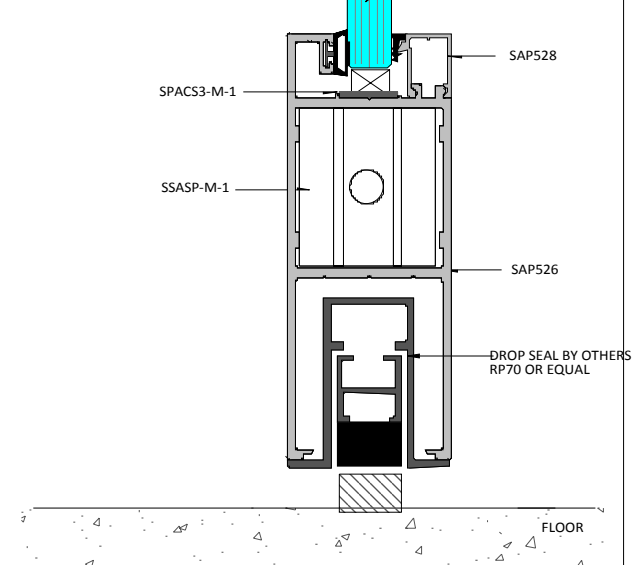
Ⓑ DOOR HEAD DETAIL



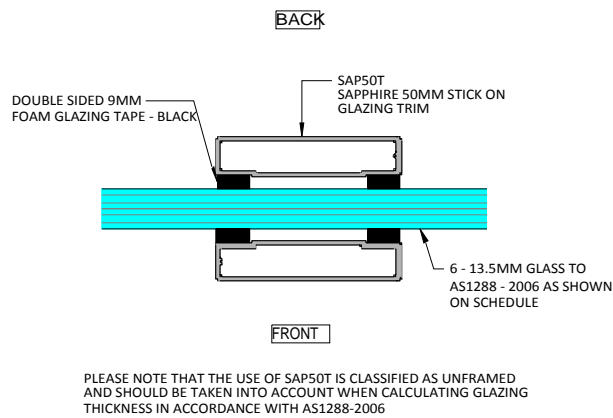
Ⓒ GLAZED SILL DETAIL



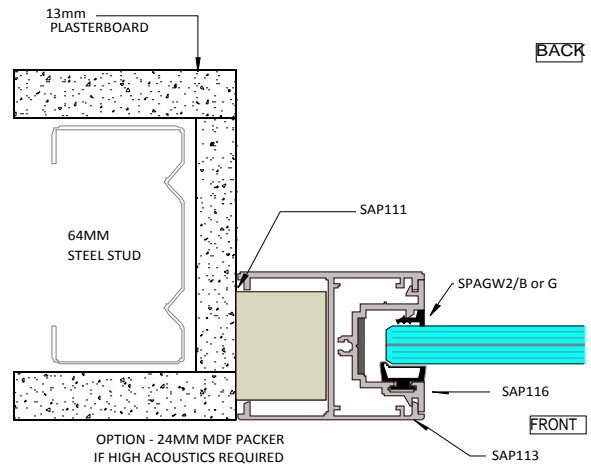
Ⓓ BOTTOM DOOR RAIL DETAIL



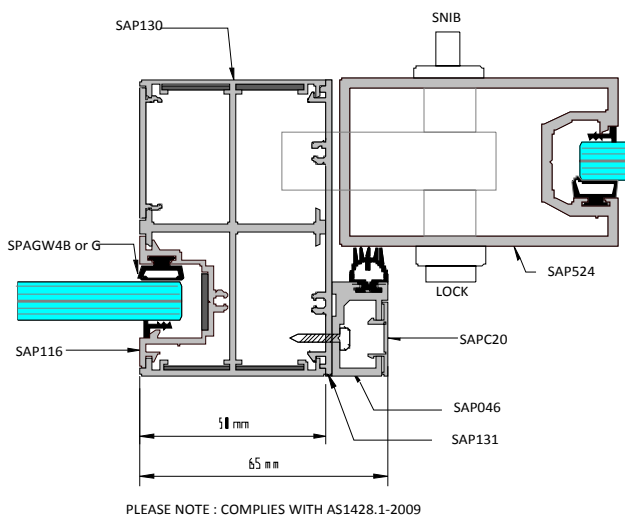
⑤ GLAZED MULLION DETAIL



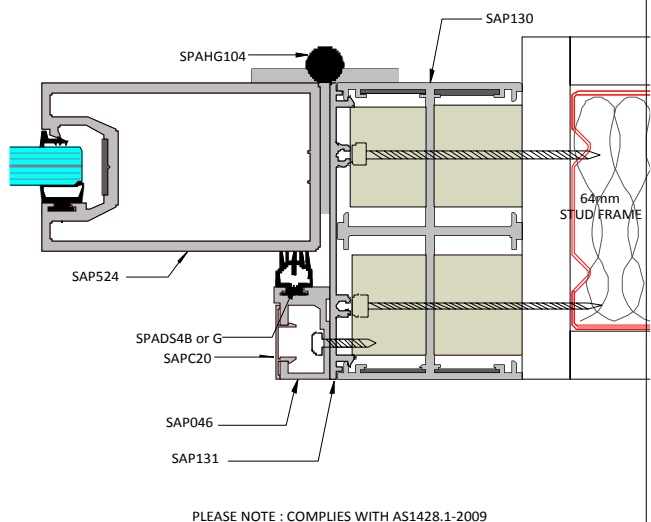
⑥ GLAZED WALL STARTER DETAIL



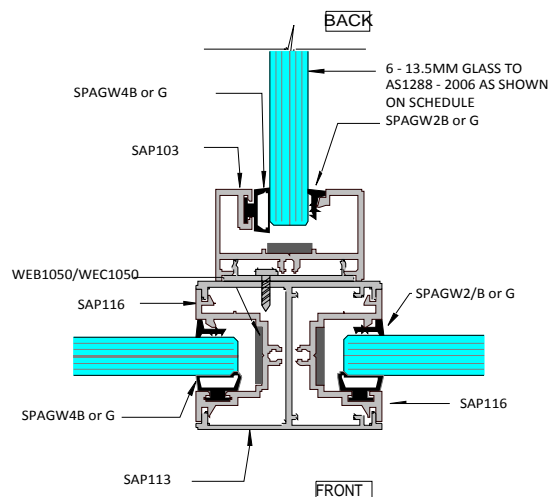
⑦ GLAZED MULLION / DOOR DETAIL



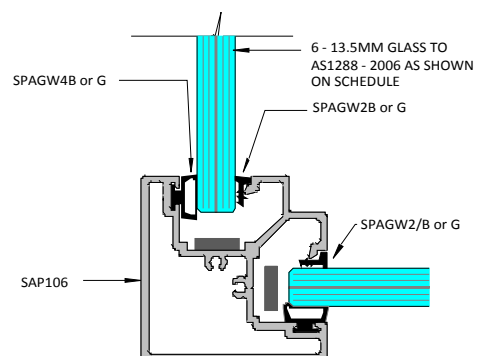
⑧ DOOR/SOLID DETAIL

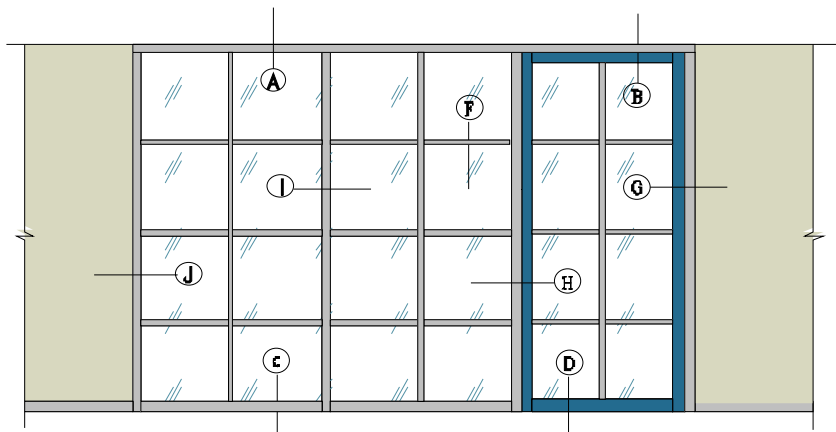


T POST DETAIL



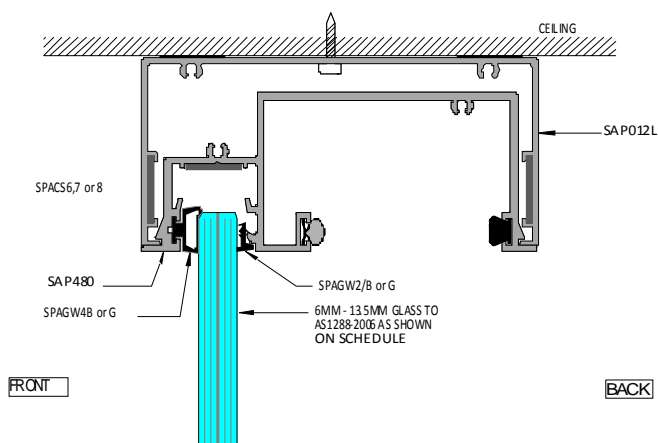
50MM CORNER POST DETAIL





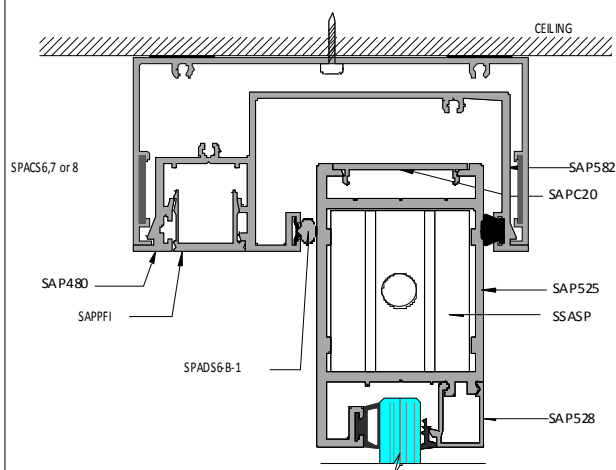
OPTION FOR OPENINGS LESS THAN 3.6 METRES WIDE AND 2.8 METRES HIGH

Ⓕ GLAZED TRANSOM DETAIL

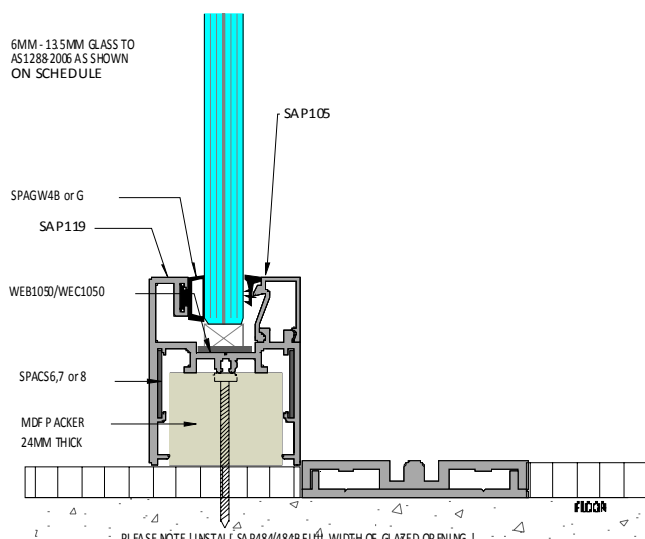


PLEASE NOTE !! INSTALL SAP012L/480 FULL WIDTH OF GLAZED OPENING !

Ⓑ DOOR HEAD DETAIL

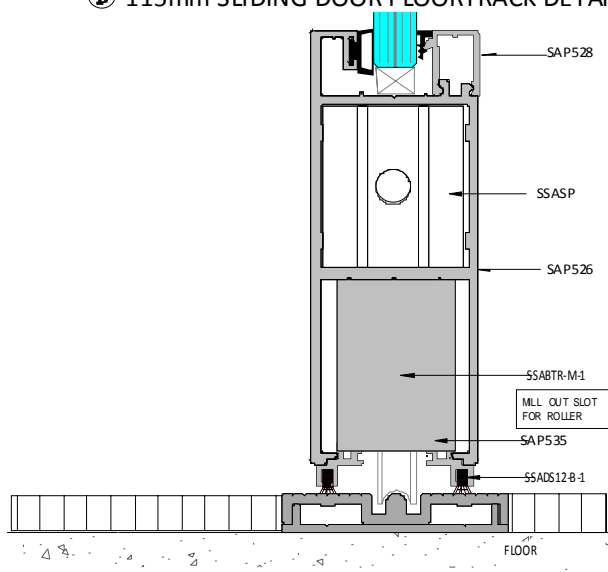


Ⓒ 75mm SLIDING DOOR FLOOR DETAIL

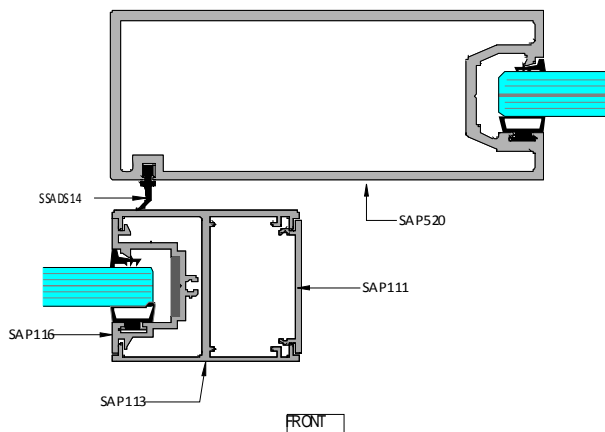


PLEASE NOTE !! INSTALL SAP484/484B FULL WIDTH OF GLAZED OPENING !

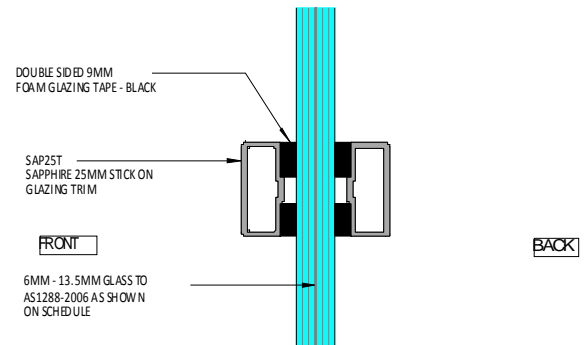
Ⓓ 115mm SLIDING DOOR FLOORTRACK DETAIL



Ⓔ 50mm DOOR MIDRAIL DETAIL

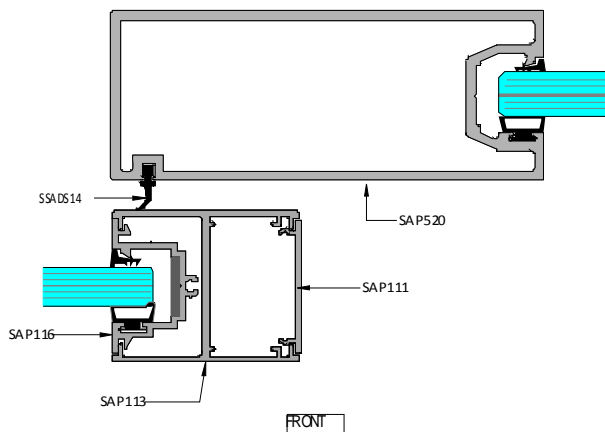


Ⓕ 25MM STICK ON TRANSOM DETAIL

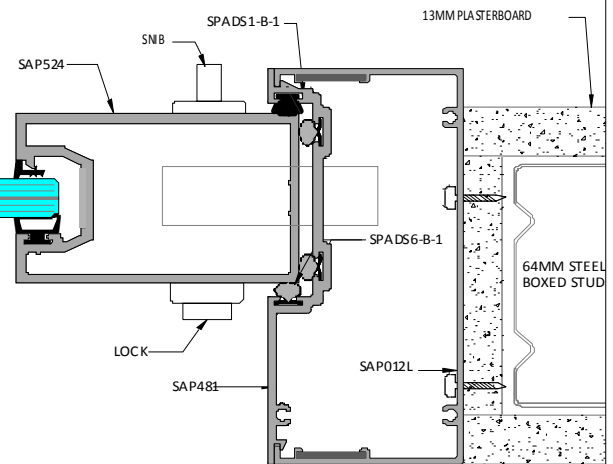


PLEASE NOTE THAT THE USE OF SAP25T IS CLASSIFIED AS UNFRAMED AND SHOULD BE TAKEN INTO ACCOUNT WHEN CALCULATING GLAZING THICKNESS IN ACCORDANCE WITH AS1288-2006

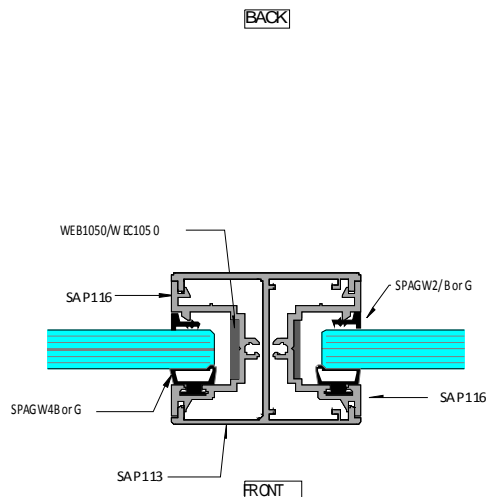
Ⓖ 75mm SLIDING DOOR LOCK DETAIL



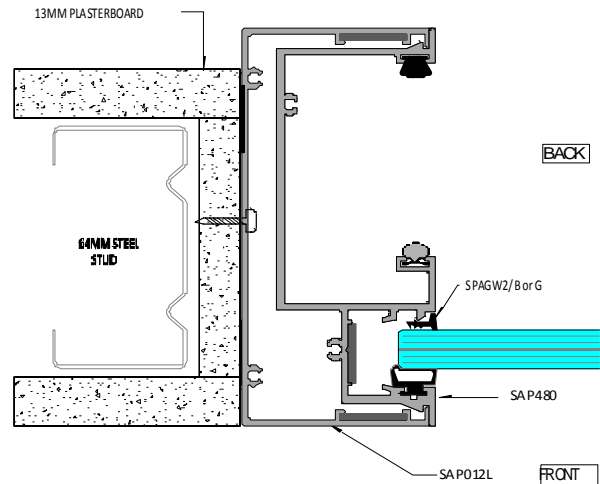
Ⓕ 50mm SLIDING MULLION DETAIL

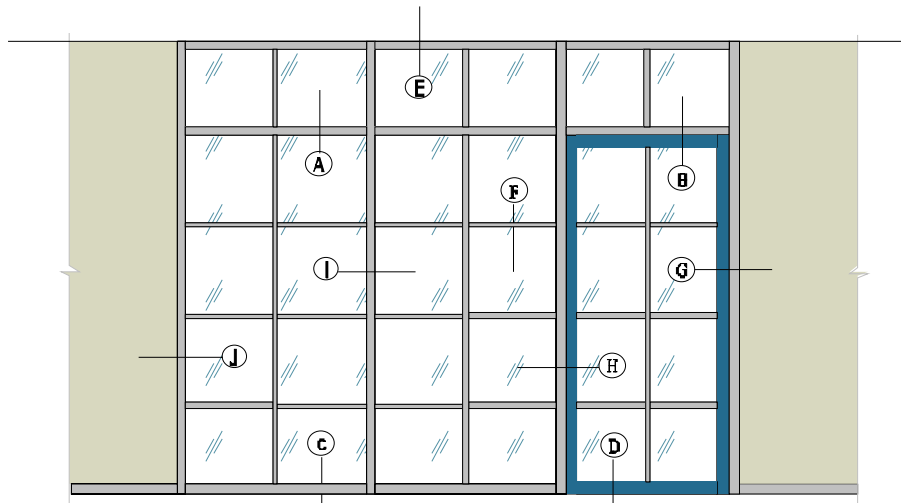


Ⓔ GLAZED MULLION DETAIL



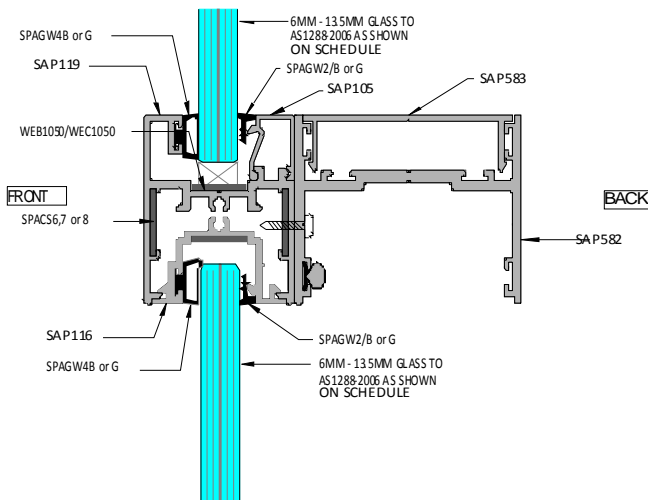
Ⓕ GLAZED WALL STARTER DETAIL





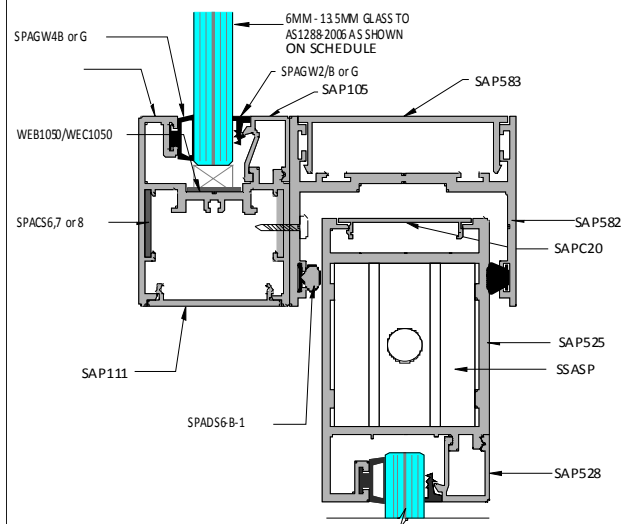
OPTION FOR OPENINGS UPTO 3.6 MTR HIGH AND UNLIMITED WIDTH

Ⓕ GLAZED TRANSOM DETAIL

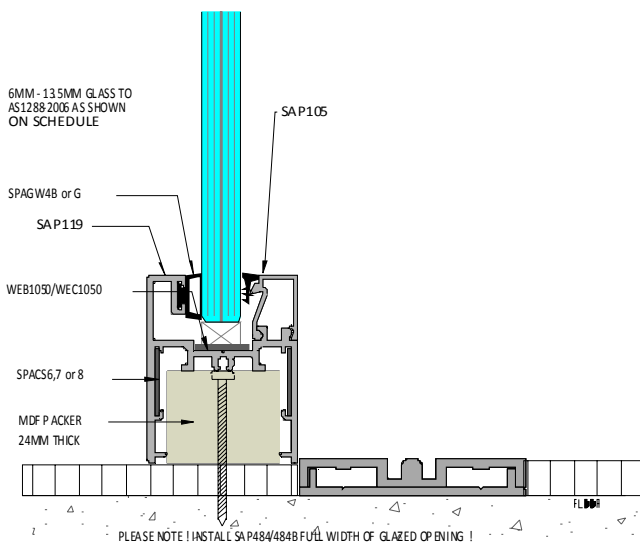


PLEASE NOTE !! INSTALL SAP582/583 FULL WIDTH OF GLAZED OPENING !

Ⓖ DOOR HEAD DETAIL

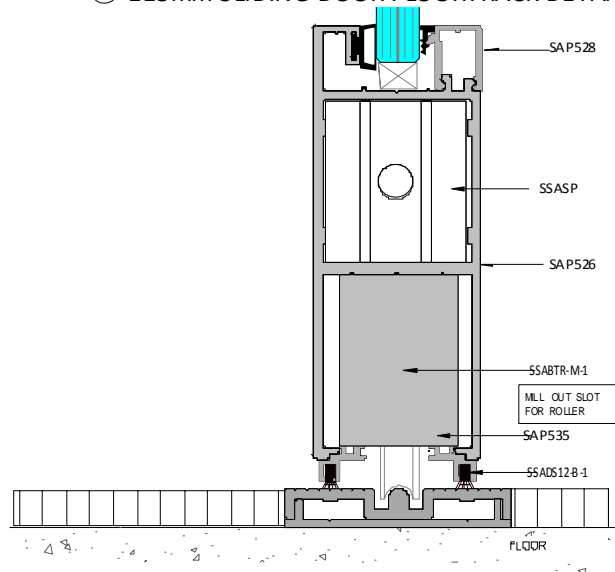


Ⓒ 75mm SLIDING DOOR FLOOR DETAIL

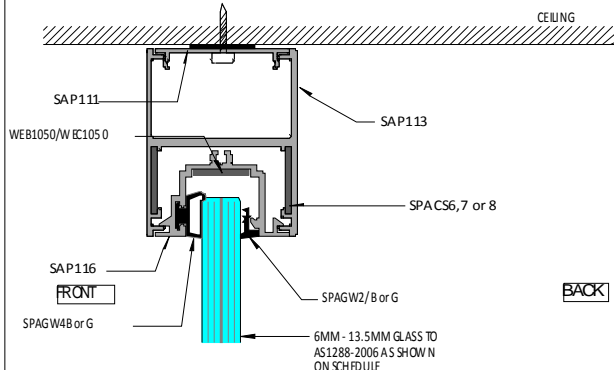


PLEASE NOTE !! INSTALL SAP484/484B FULL WIDTH OF GLAZED OPENING !

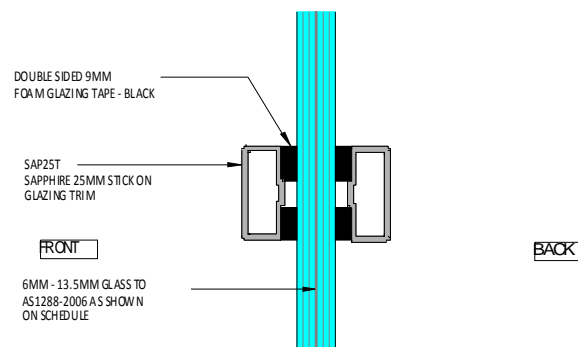
Ⓓ 115mm SLIDING DOOR FLOORTRACK DETAIL



ⓑ 50mm DOORMIDRAIL DETAIL

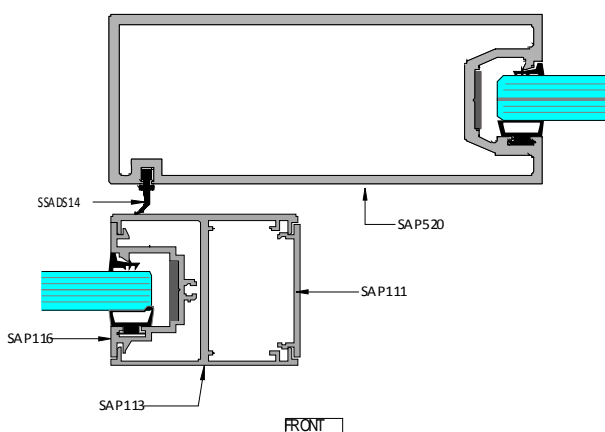


ⓕ 25MM STICK ON TRANSOM DETAIL

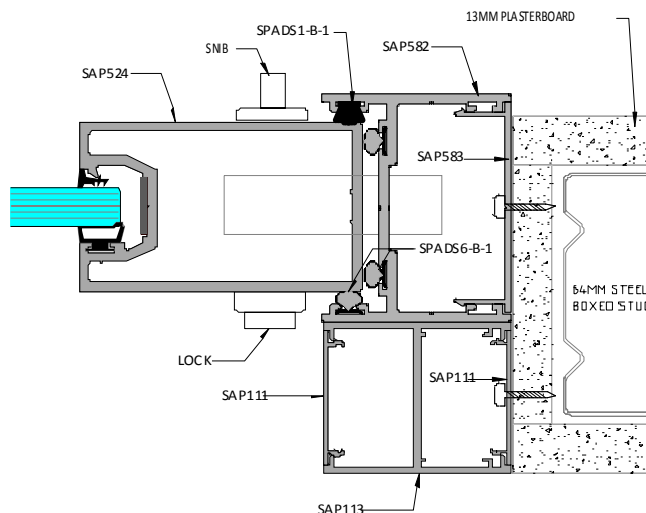


PLEASE NOTE THAT THE USE OF SAP25T IS CLASSIFIED AS UNFRAMED AND SHOULD BE TAKEN INTO ACCOUNT WHEN CALCULATING GLAZING THICKNESS IN ACCORDANCE WITH AS1288-2006

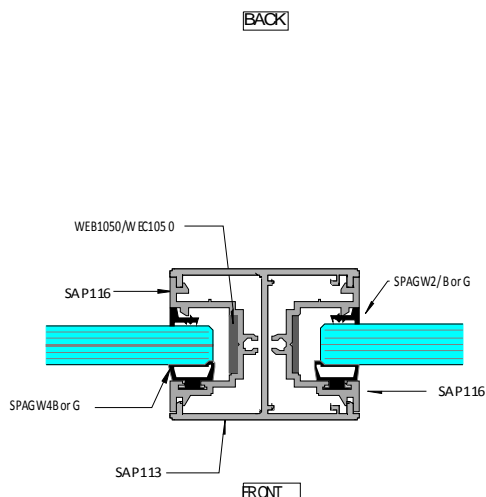
ⓔ 75mm SLIDING DOOR LOCK DETAIL



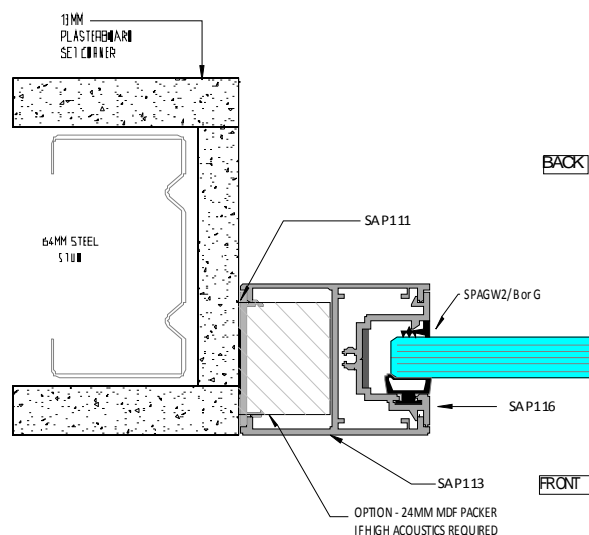
ⓓ 50mm SLIDING MULLION DETAIL

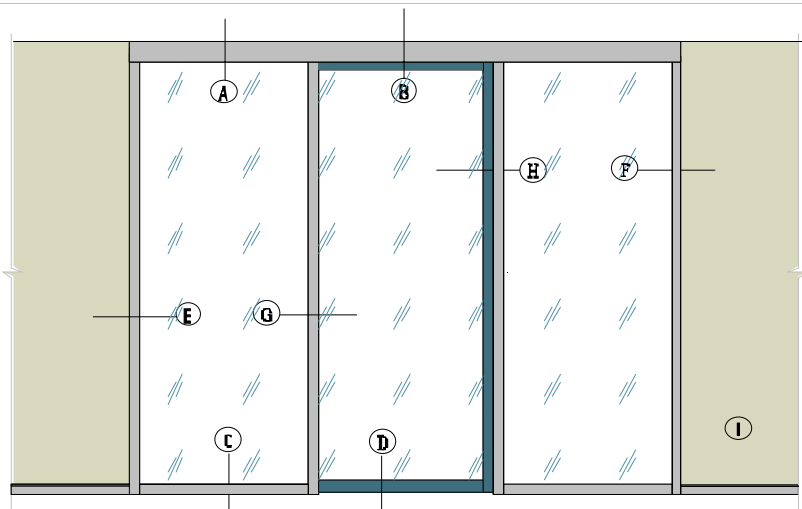


ⓔ GLAZED MULLION DETAIL



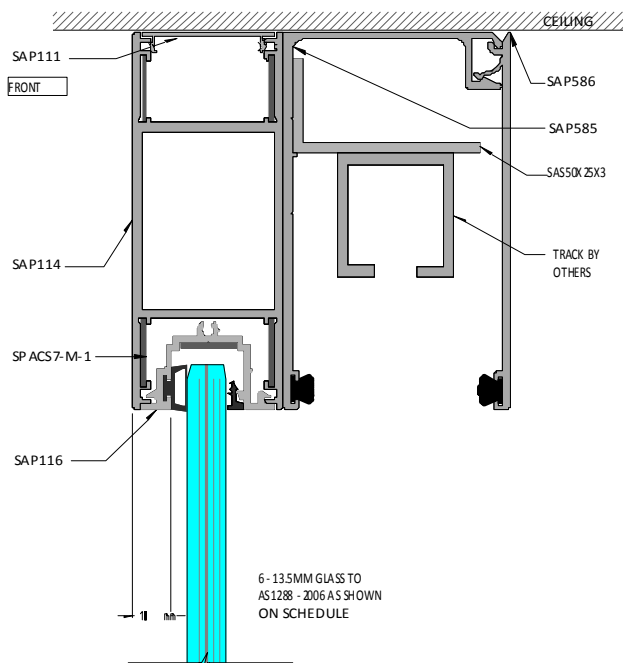
ⓕ GLAZED WALL STARTER DETAIL



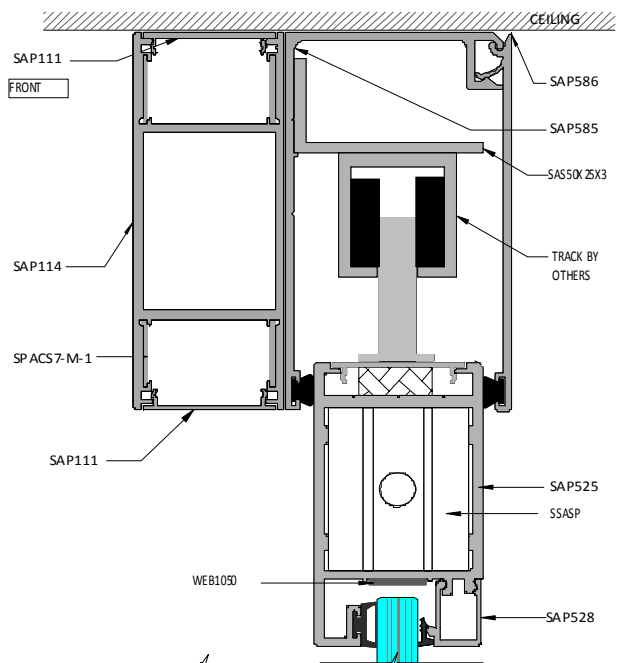


DETAIL FOR OPENINGS LESS THAN 3.6 METRES WIDE AND LESS THAN 2.8MTRS HIGH

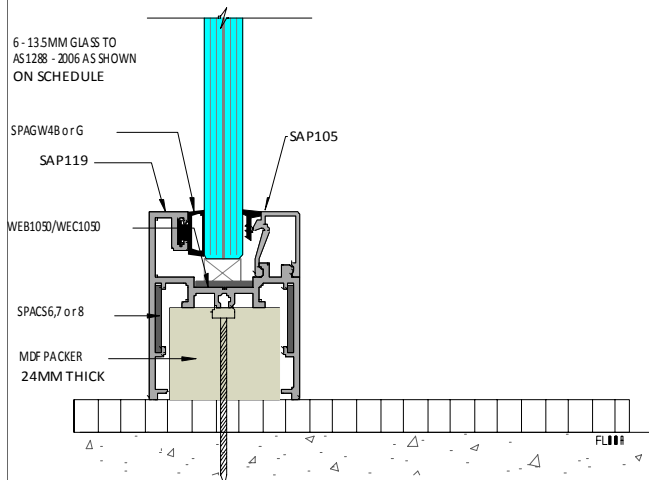
Ⓐ SOLID HEAD DETAIL



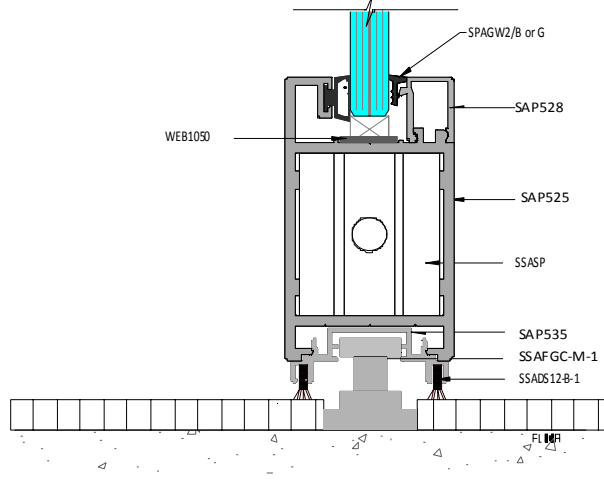
Ⓑ DOOR HEAD DETAIL



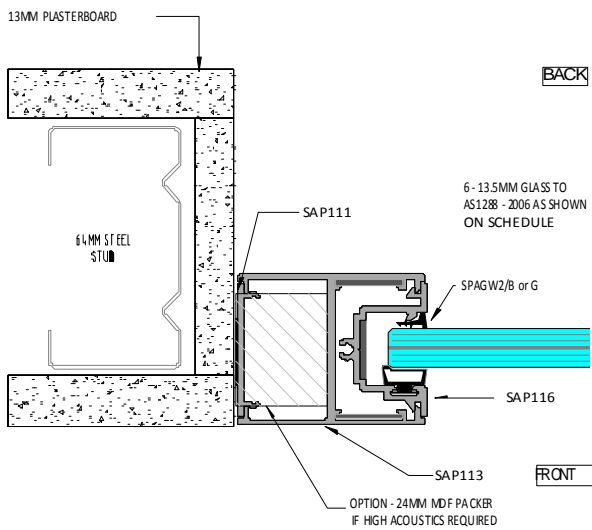
Ⓒ 75mm SLIDING DOOR FLOOR DETAIL



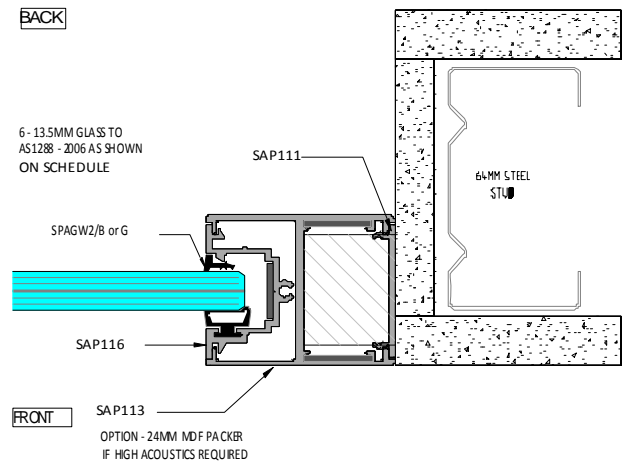
Ⓓ 75mm HINGED DOOR FLOOR DETAIL



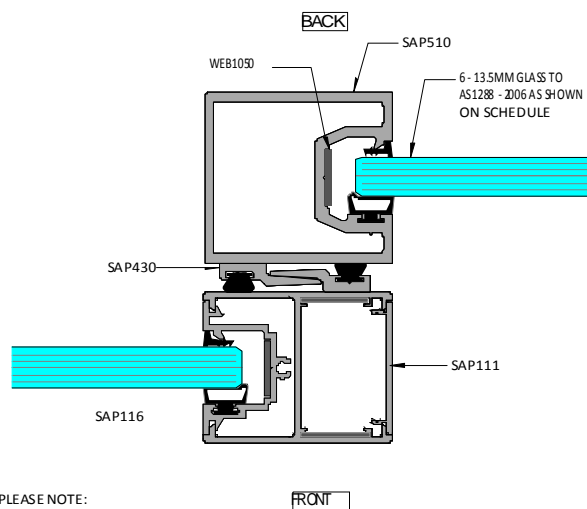
Ⓔ GLAZED WALL STARTER DETAIL



Ⓕ GLAZED WALL STARTER DETAIL

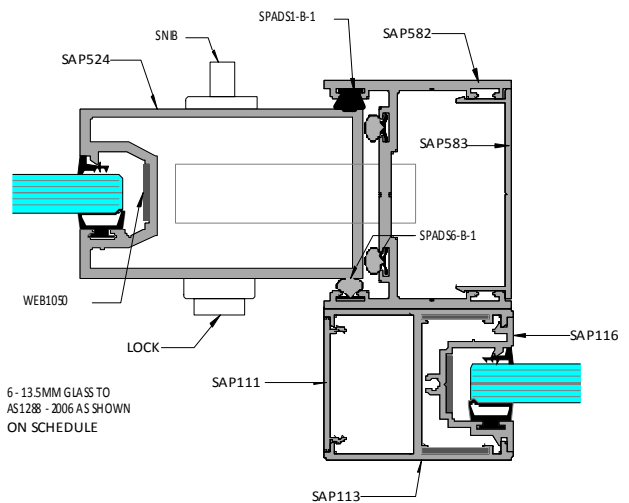


Ⓖ 50mm SLIDING MULLION DETAIL

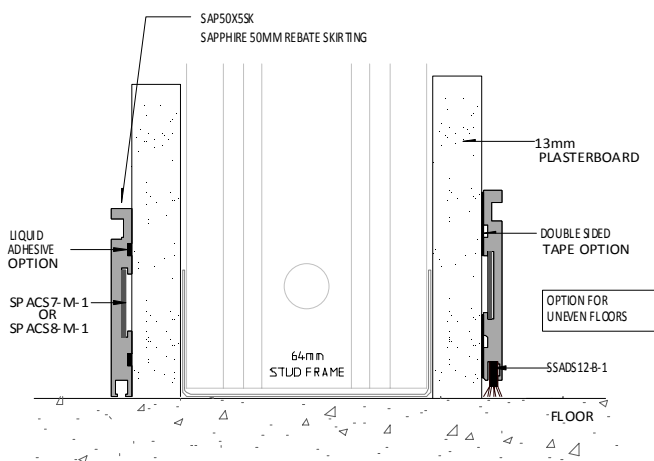


PLEASE NOTE:
OPTION OF SAP524 OR SAP519 CAN BE USED

Ⓗ 75mm SLIDING DOOR LOCK DETAIL



Ⓘ 50MM GLUEFIX SKIRTING DETAIL





INTRODUCTION

Sapphires Microline 80 Suite provides for front or double glazed framing system for glass with a large variety of looks and functions from the wide range of sections available in this suite and sections from Microline 40.

COMMON USE

Commercial Office Partitions & Meeting Rooms

FEATURES

- o Rounded Edges for soft touch
- o Single & Double side Glazing with slide in Co Ex Wedge
- o Able to comply with Aust BCA Code for LRV colour difference
- o Can be used with Microline 40 for a wide variety glaze options.
- o Can accomodate switchable glass - 13.52mm
- o Frame accomodates Acoustic Screw On Stop - no rattles
- o Shooshline Doors - Sliding , Hinged or Pivot options

FRAME OPTIONS

80mm wide x 50mm thick

DISABILITY COMPLIANCE

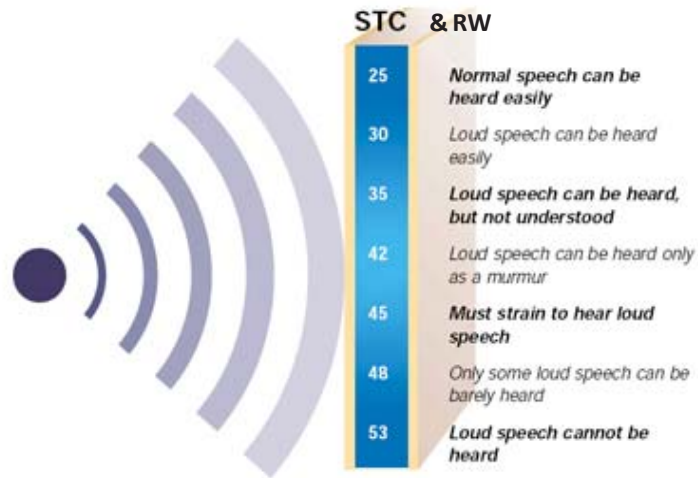
Able to comply with AS1428-2009

GLAZING OPTIONS

Single glazed	-	6mm - 14.50mm as per AS1288-2006
Double glazed	-	6mm - 14.50mm as per AS1288-2006

DOOR OPTIONS

HINGED -	Timber or Glass Doors 32mm - 45mm in thickness
SLIDING -	Timber or Sapphire Shooshline Door 45mm in thickness



WALLS

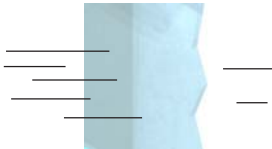
The Microline 80 Suite can be installed in walls of varying thickness and combinations
64mm Steel Studs and **two** sheets of 13mm plasterboard
51mm Steel Studs and **three** sheets of 13mm plasterboard.



34/26 - 45 (37) expressed as $R_w - R_w + C_{tr}$

GLASS

The Microline 80 Suite will accommodate single and double glazing from **6mm - 13.5mm**.



Single	33	-	40 dB	R_w
Double	40	-	45dB	R_w

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and $R_w + C_{tr}$. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.

SPECIFICATION

The Sapphire Microline® 80 Suite of sections have been developed with over 30 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire Microline® 80 Suite is extruded from primary billet only (No remelt or scrap) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be Microline® 80 Suite by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

The maximum panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for Microline® 80 Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire Microline® 80 Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire Microline® 80 Suite** as it may cause scratching or damage to the coated surface.

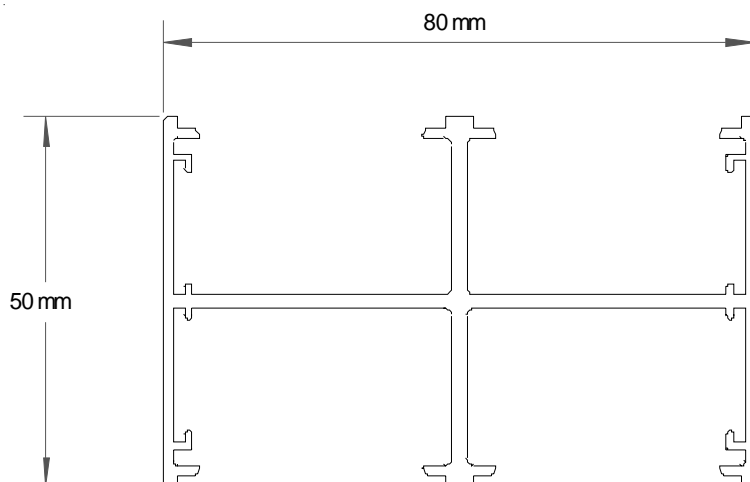
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



SAP130

MICROLINE 80 MULTI CAP FRAME

MASS = 1.230 Kg/M PER = 545mm

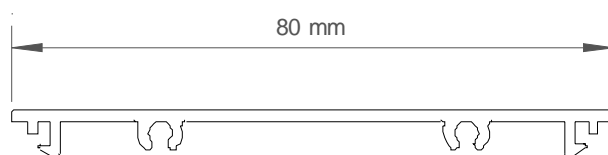
SAP130 is used as a complete 50mm prefinished head track, wall starter, mullion and capping for door / glazing reveals.

The section allows for a multitude of uses as it can accept different snap ins to either be a shadowline headtrack/ wallstarter or can have 2 pocket snapins to form single or double glaze frame/mullion.

SAP130 accepts SAP111, SAP111C, & SAP116

SAP130 accepts joining stakes SPAC5,6,7 & 8

SAP130 is available in 2.8 metre and 3.6 metre lengths.



SAP131

MICROLINE 80 FLUSH SNAP IN

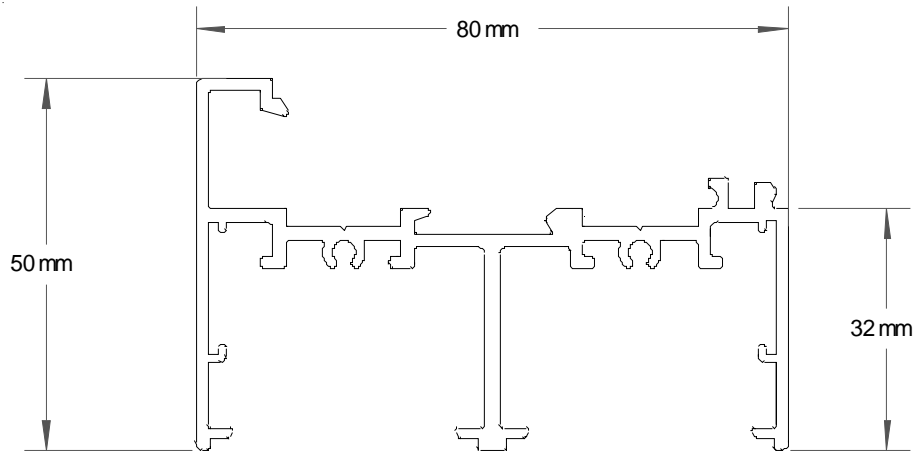
MASS = .470 Kg/M PER = 220mm

SAP131 has a smooth surface allowing any section to be fitted anywhere on the 80mm face and can be used as wall or head starter to allow SAP130 to snap onto it.

When snapped into SAP130 it can also be used as the doorplate with SAP046/C20 mounted to it for the doorstop for varying door thicknesses.

SAP131 snaps into SAP130 and SAP140

SAP131 is available in 2.8 & 3.6 metre lengths.



SAP140

MICROLINE 80 GLAZING SILL / TRANSOM

MASS = 1.320 Kg/M PER = 550mm

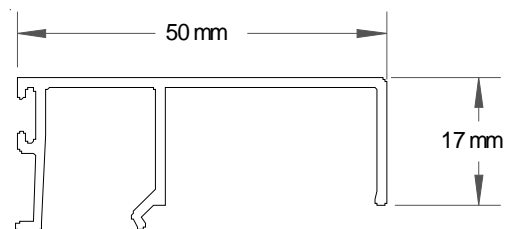
This section has been developed as a 50mm Sill/Transom for designs that require multiple horizontal panels of glass to be installed. SAP140 has been designed with a heavier wall thickness to cope with glass thicknesses up to 14.5mm and may have SAP116 installed on the base for extra glass support as a sill.

SAP140 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP140 accepts SAP105, SAP111, SAP111C, SAP116, SAP131, SAP139 & SAP143

SAP140 accepts Joining stakes SPACS6,7 & 8 and Zenith WEB1050 for vertical, ZENITH WEC1050 for Horizontal

SAP140 is available in 2.8 metre and 3.6 metre lengths.



SAP139

MICROLINE 80 SINGLE GLAZING SILL/TRANSOM BEAD

MASS = .430 Kg/M PER = 230mm

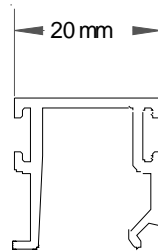
This section has been designed to clip into SAP140 to enable frontline single glazing.

SAP139 clips into SAP140

SAP139 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP139 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP139



SAP143

MICROLINE 80 DOUBLE GLAZE CAP

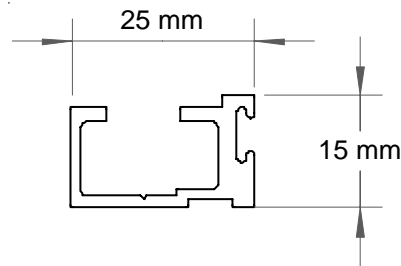
MASS = .270Kg/M PER = 145mm

This section is a double glaze cap designed to be used with SAP140 and installed after the front panel of glass has been installed and prior to the rear panel of glass being installed.

SAP143 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP143 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP143



SAP046

SCREW ON ACOUSTIC DOORSTOP

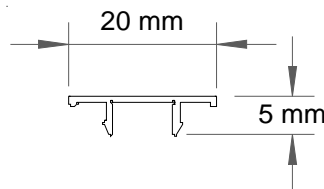
MASS = .320 Kg/M PER = 133mm

SAP046 is designed to be fixed in any location to form a complete doorstop for wooden or aluminium frames. It is also used in conjunction with Maxline and SAP047 when a glazed opening frame is required for double glazing. Like our other range of door jambs SAP046 will accept either (SPADS1B or G) a fur pile seal for dust sealing or (SPADS4B or G) Santoprene bulb acoustic seal to give an acoustic seal when the door is closed. It features all aluminium construction with a snap in aluminium cover that can be colour matched to other elements and aids in meeting Green Building requirements for VOC's through zero use of PVC.

SLS6/B - Foam Light Seal can be fixed into lower groove to aid acoustic performance.

SAP046 accepts SAPC20.

SAP046 is available in 2.8 & 3.6 metre lengths.



SAPC20

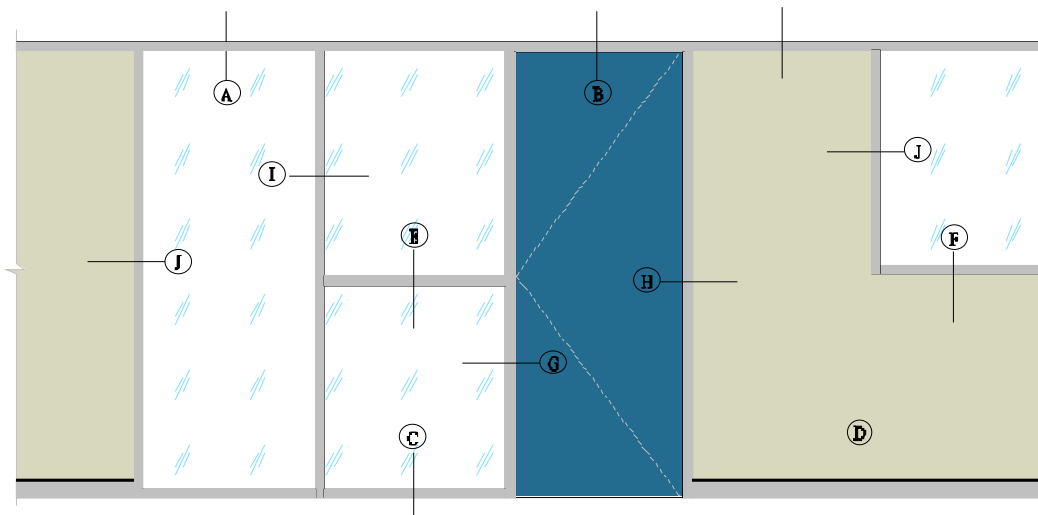
ALUMINIUM COVER CAP

MASS = .072 Kg/M PER = 100mm

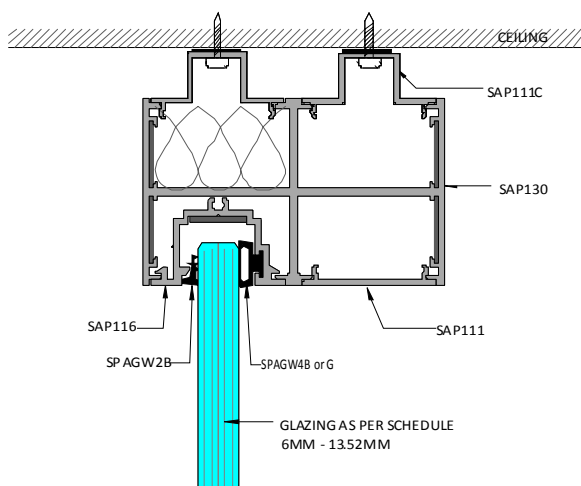
SAPC20 is an aluminium cover cap designed to snap into SAP046 to cover the screwfix opening.

SAPC20 Snaps into SAP046.

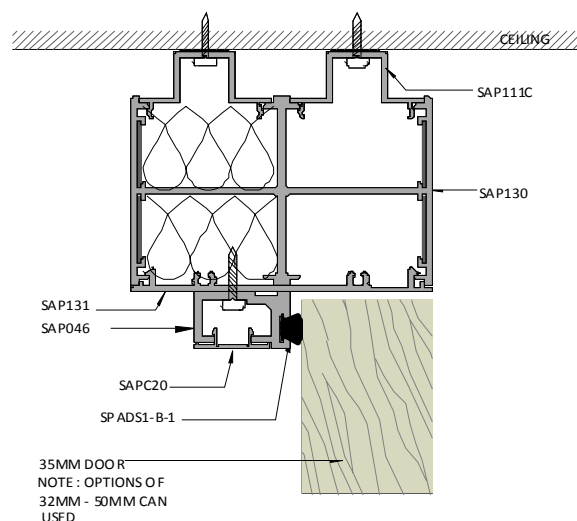
SAPC20 is available in 2.8 & 3.6 metre lengths.



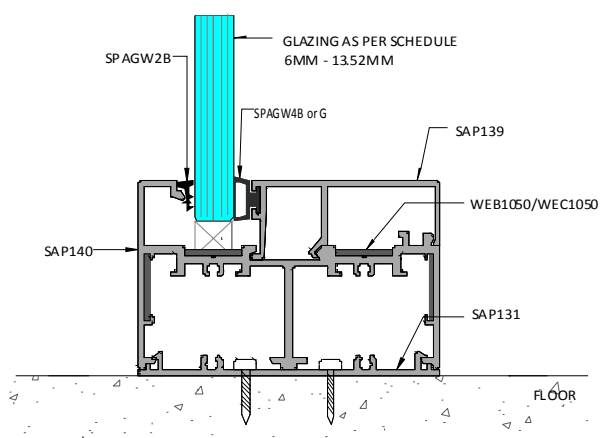
A GLAZED HEAD DETAIL



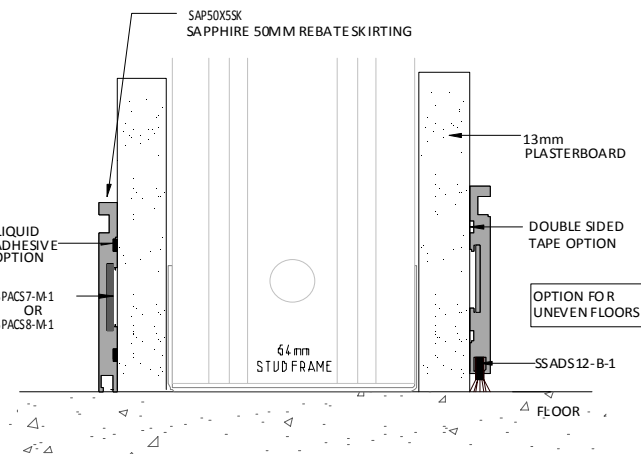
B DOOR HEAD DETAIL



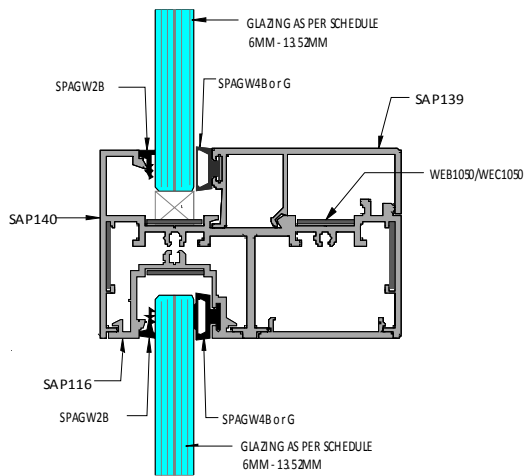
C GLAZED SILL DETAIL



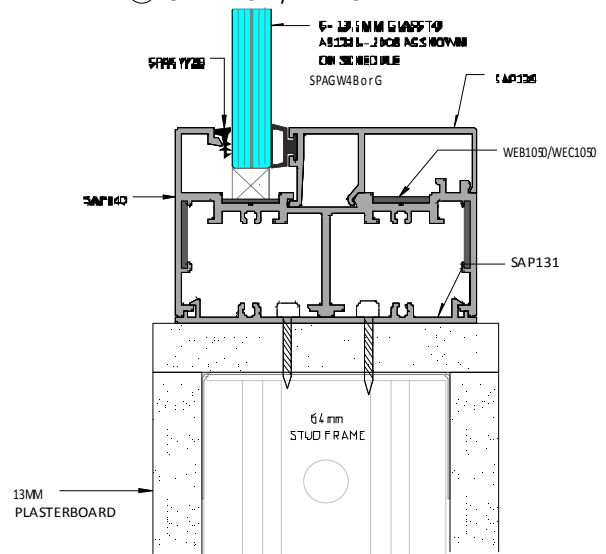
D SKIRTING DETAIL



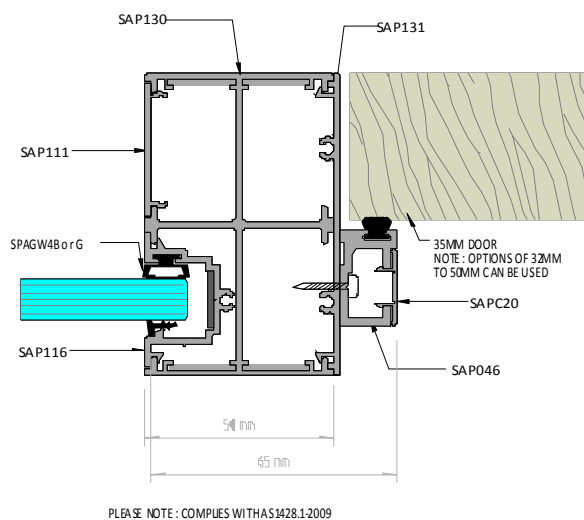
Ⓔ GLAZED TRANSOM



Ⓕ GLAZED SILL/DAD DO WALL DETAIL

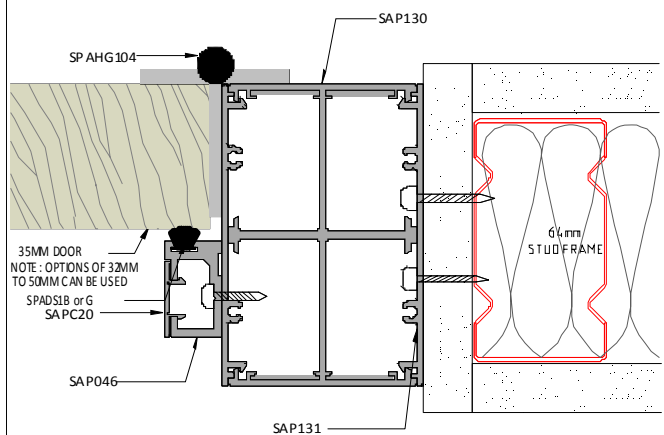


Ⓖ GLAZED MULLION / DOOR DETAIL



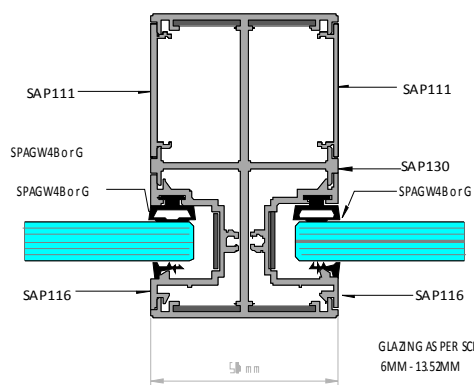
PLEASE NOTE: COMPLIES WITH AS 1428.1:2009

Ⓗ DOOR/SOLID DETAIL



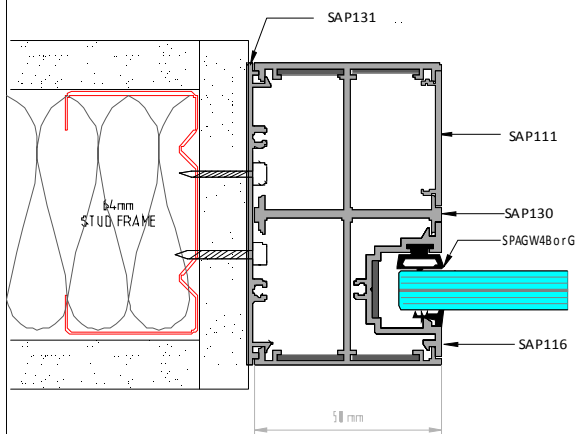
PLEASE NOTE: COMPLIES WITH AS 1428.1:2009

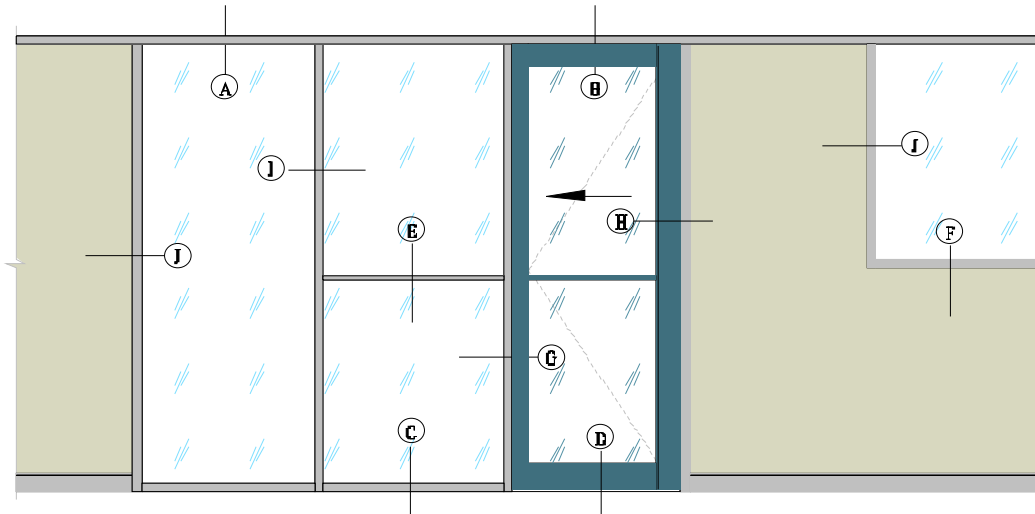
Ⓙ GLAZED MULLION DETAIL



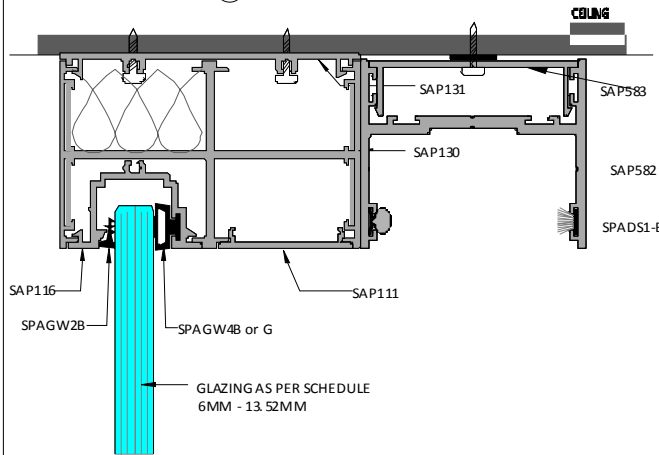
GLAZING AS PER SCHEDULE
6MM - 13.52MM

Ⓢ GLAZED WALL STARTER DETAIL

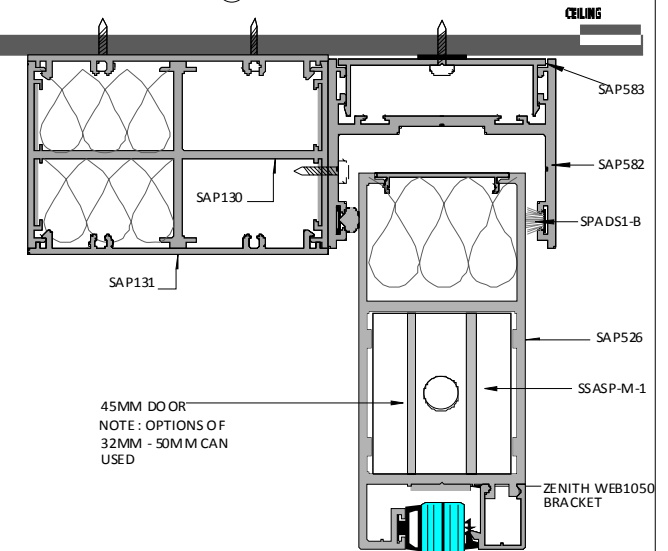




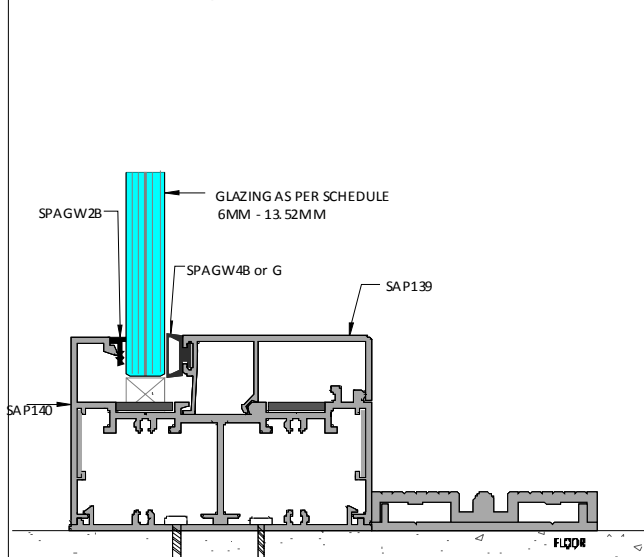
Ⓐ GLAZED HEAD DETAIL



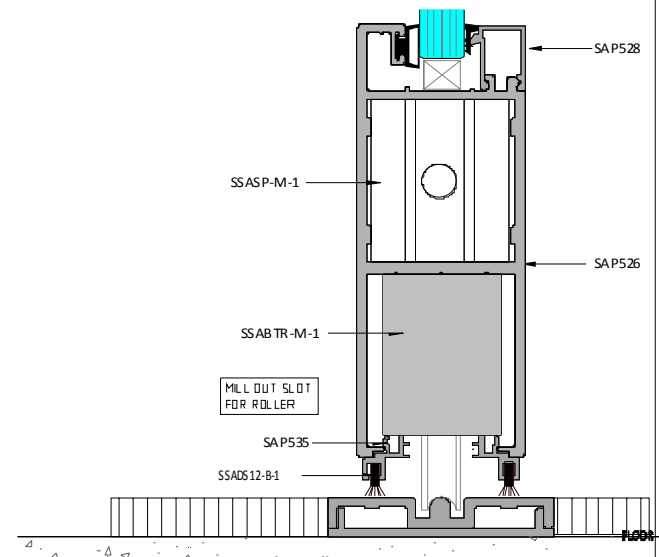
Ⓑ DOOR HEAD DETAIL



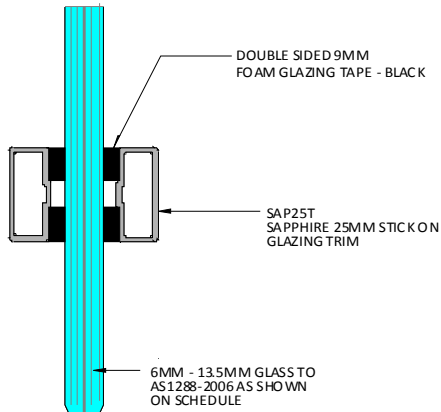
Ⓒ GLAZED SILL DETAIL



Ⓓ BOTTOM RAIL DETAIL

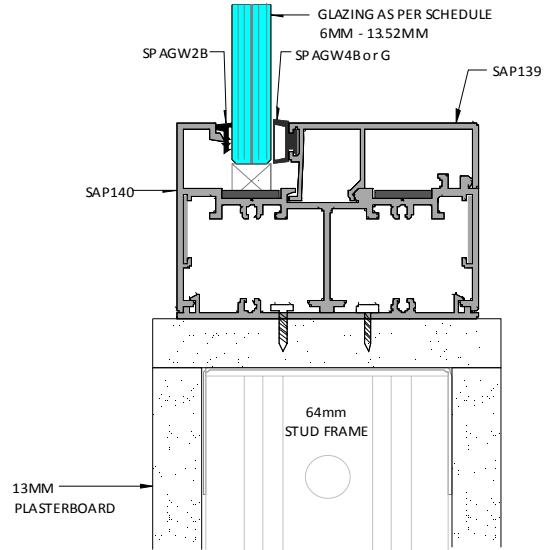


Ⓔ GLAZED TRANSOM

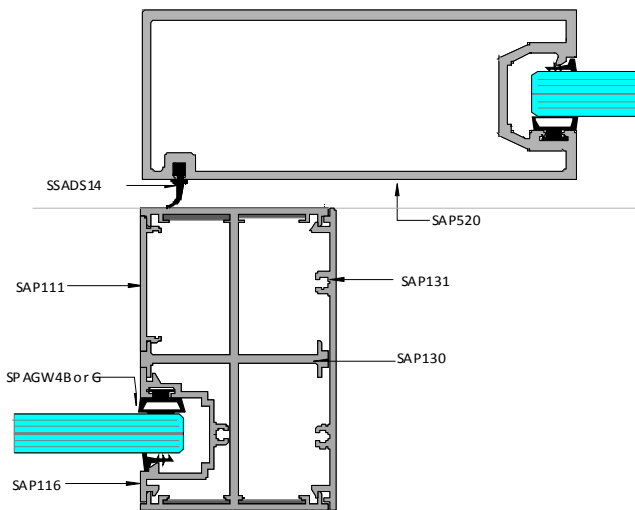


PLEASE NOTE THAT THE USE OF SAP25T IS CLASSIFIED AS UNFRAMED
AND SHOULD BE TAKEN INTO ACCOUNT WHEN CALCULATING GLAZING
THICKNESS IN ACCORDANCE WITH AS1288-2006

Ⓕ GLAZED SILL/DADDO WALL DETAIL

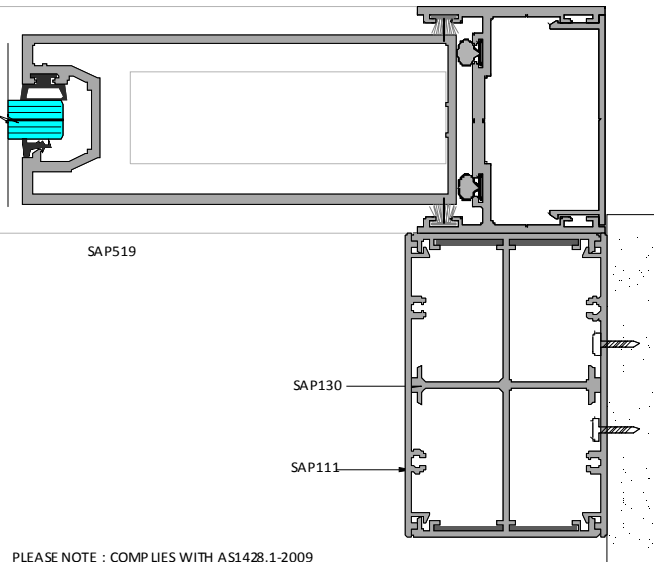


Ⓖ GLAZED MULLION / DOOR DETAIL



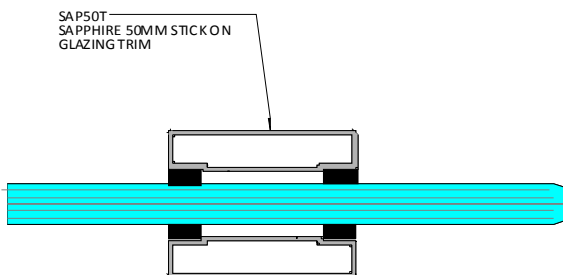
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓗ DOOR/SOLID DETAIL

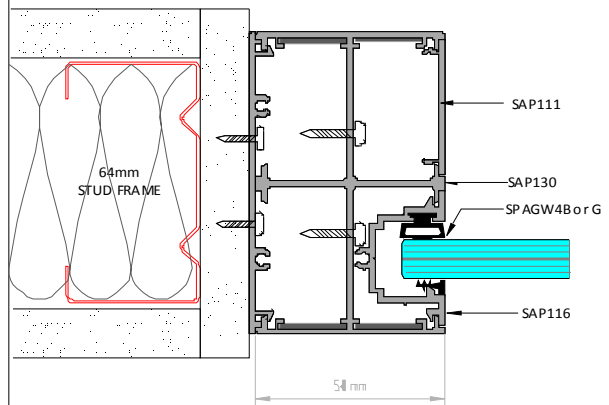


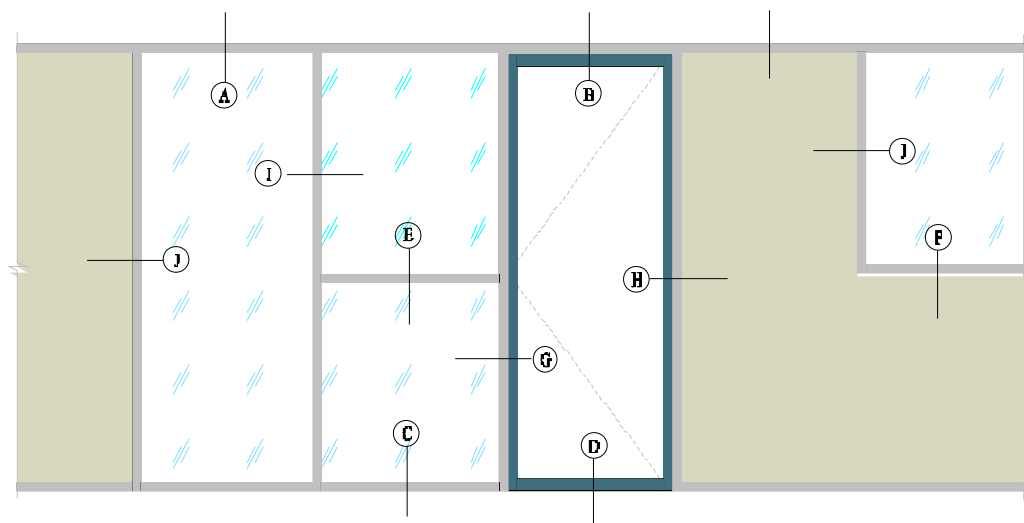
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓖ GLAZED MULLION DETAIL

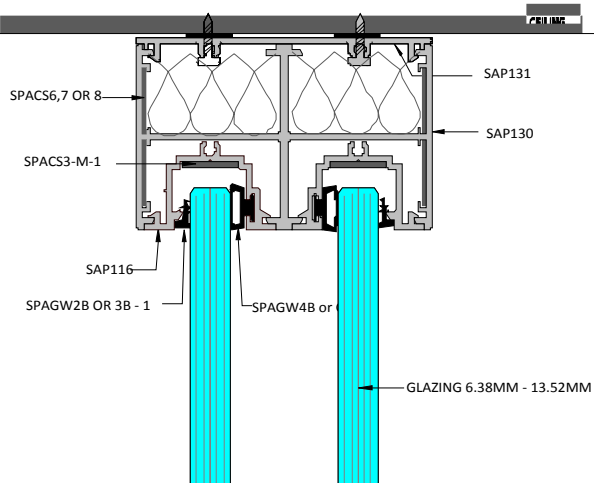


Ⓙ GLAZED WALL STARTER DETAIL

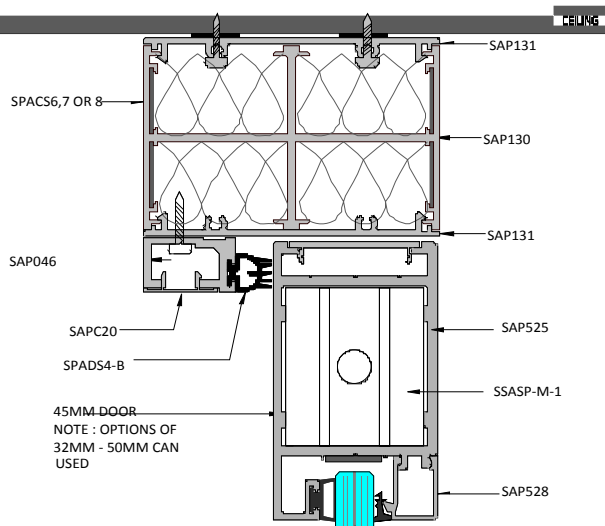




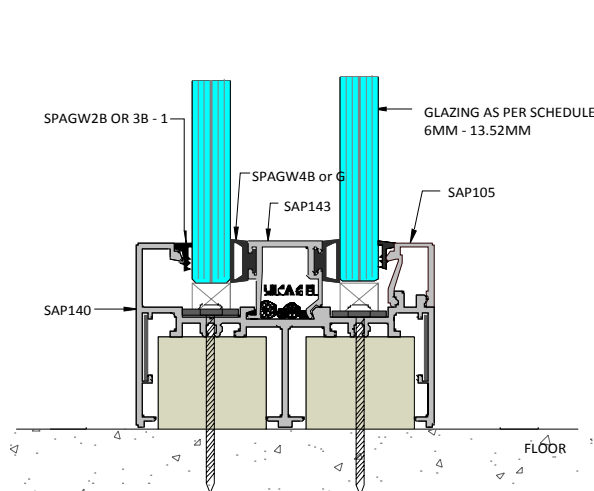
A GLAZED HEAD DETAIL



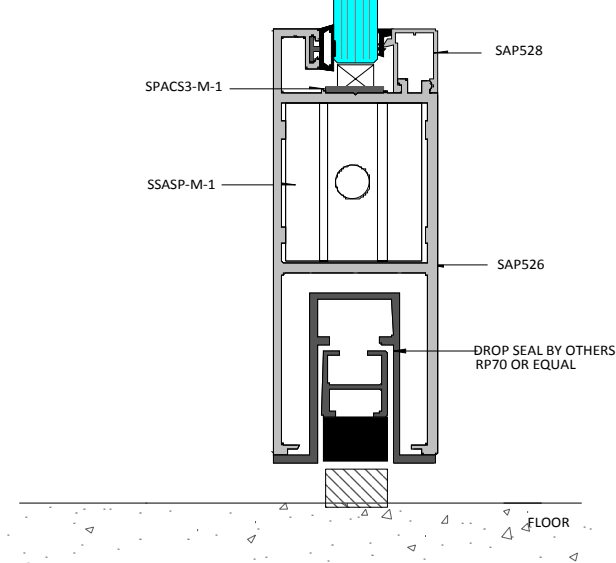
B DOOR HEAD DETAIL



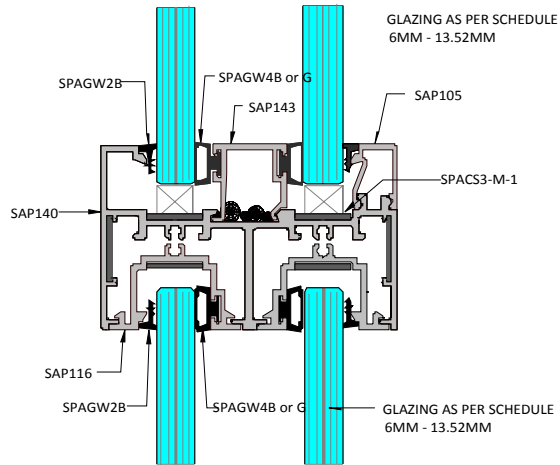
C GLAZED SILL DETAIL



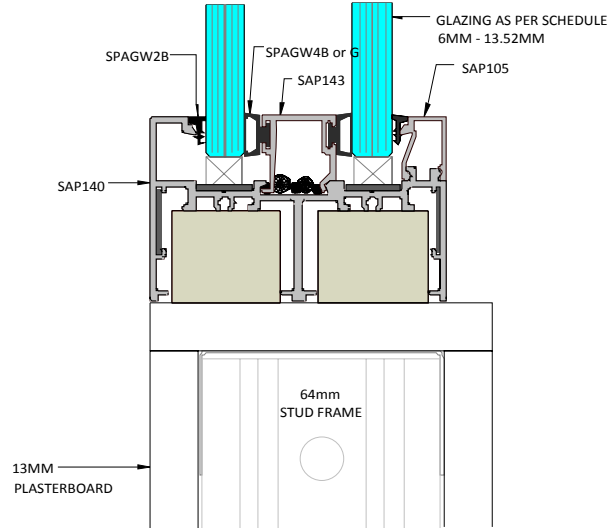
D BOTTOM DOOR RAIL DETAIL



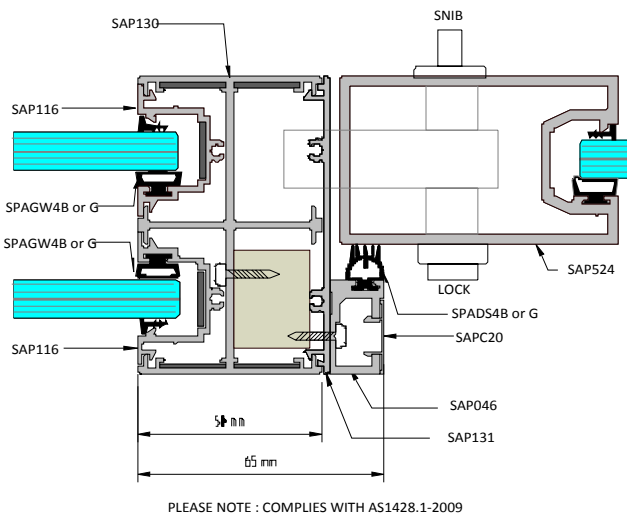
Ⓔ GLAZED TRANSOM



Ⓕ GLAZED SILL/DADDO WALL DETAIL

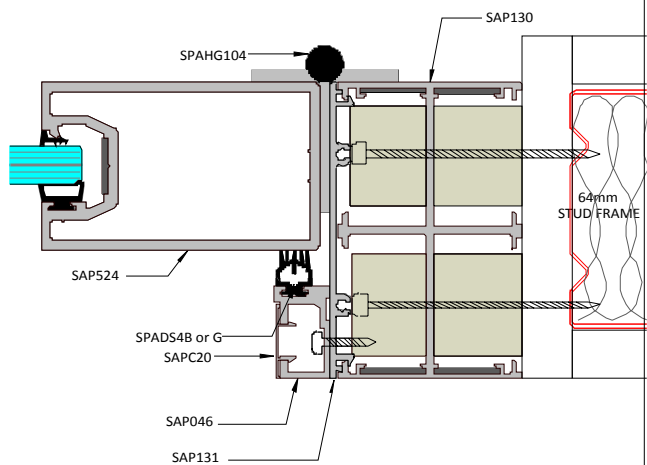


Ⓖ GLAZED MULLION / DOOR DETAIL



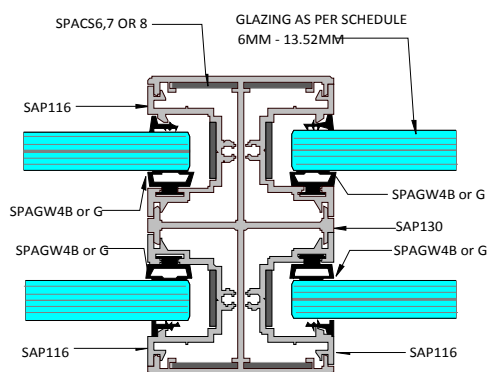
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓗ DOOR/SOLID DETAIL

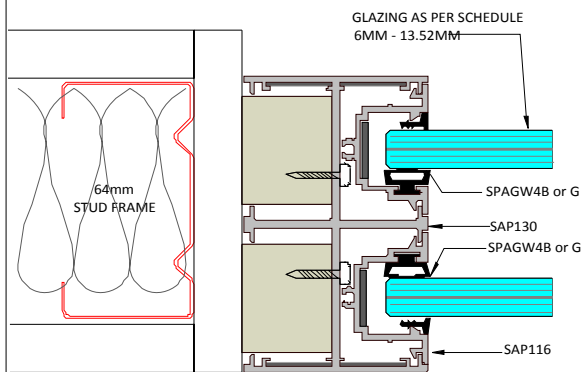


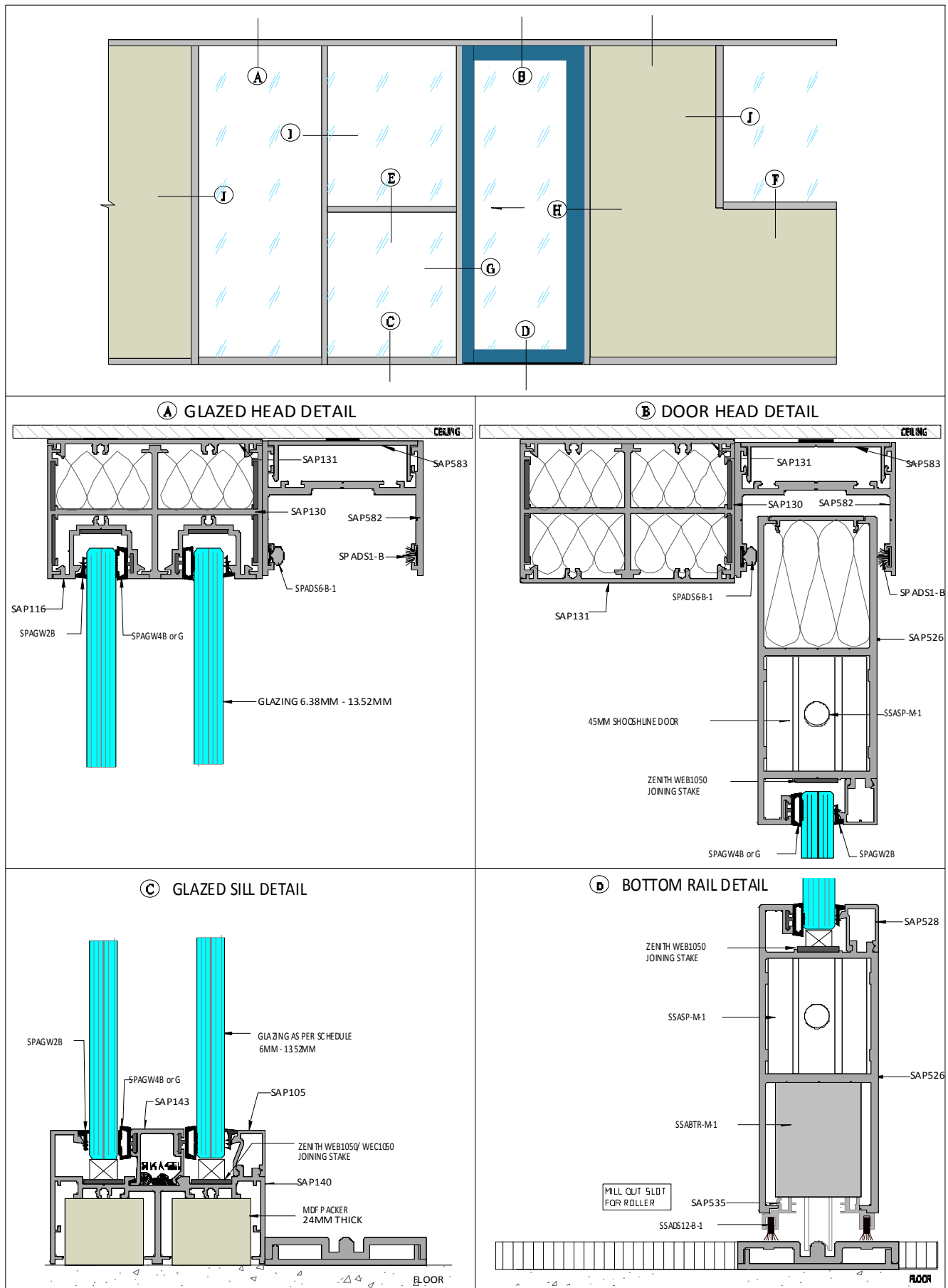
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓘ GLAZED MULLION DETAIL

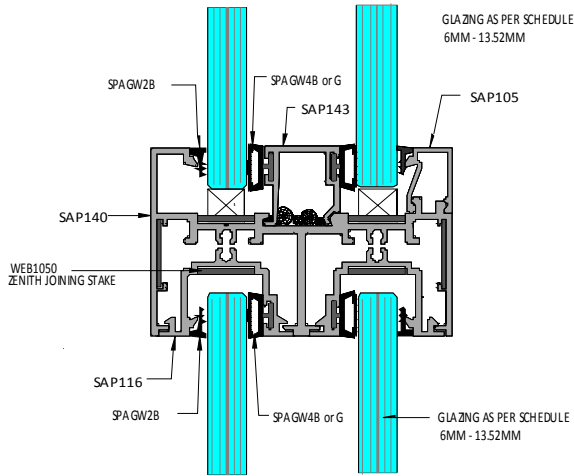


Ⓙ GLAZED WALL STARTER DETAIL

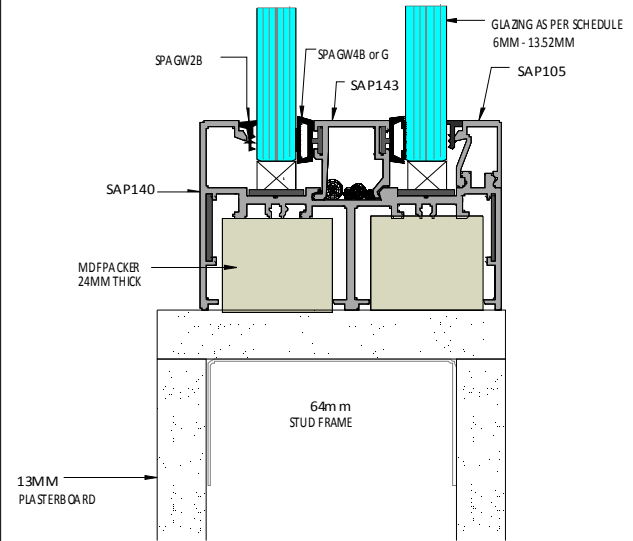




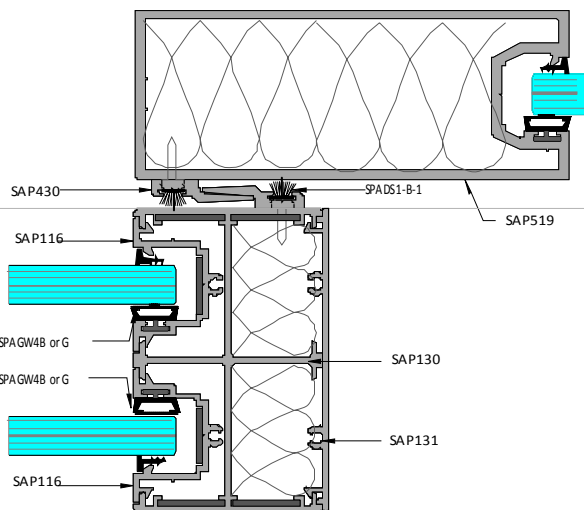
⑤ GLAZED TRANSOM



⑥ GLAZED SILL/DADDO WALL DETAIL

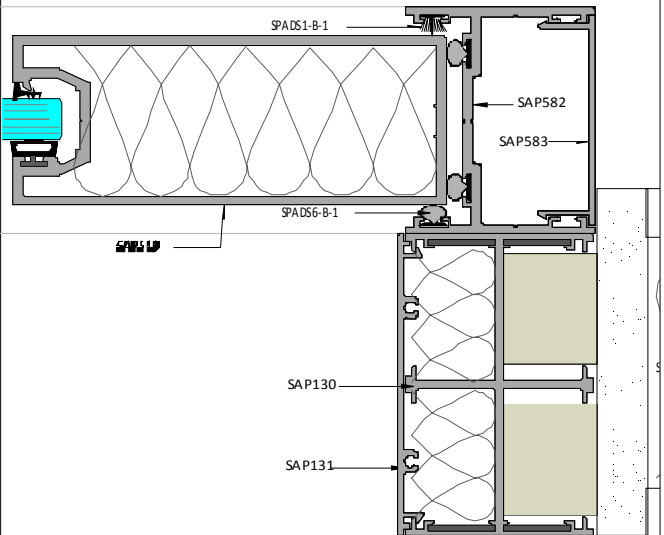


⑦ GLAZED MULLION / DOOR DETAIL



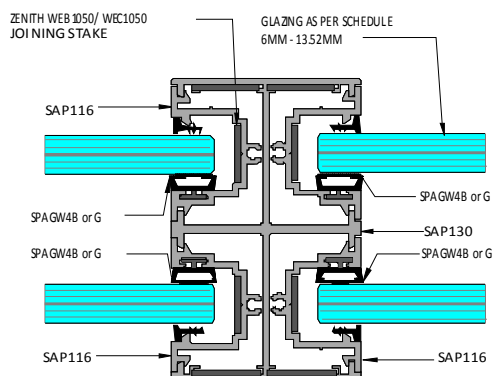
PLEASE NOTE : COMPLIES WITH AS1428.1- 2009

⑧ DOOR/SOLID DETAIL

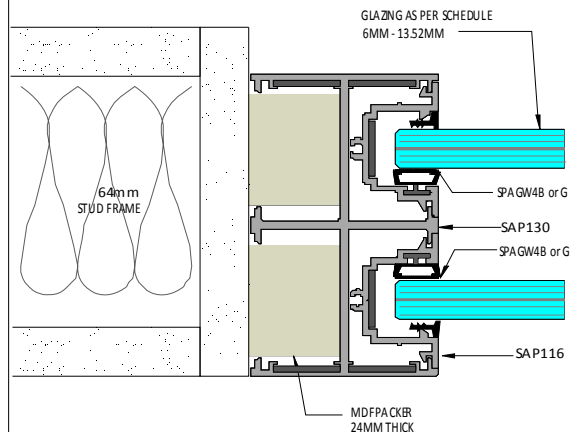


PLEASE NOTE : COMPLIES WITH AS1428.1- 2009

⑨ GLAZED MULLION DETAIL



⑩ GLAZED WALL STARTER DETAIL





INTRODUCTION

Sapphires Wideline Suite Generation 3 provides for a centre glazed framing system for glass with a large variety of looks and functions from the wide range of sections available in this suite.

COMMON USE

Commercial Office Partitions

FEATURES

- o Rounded Edges for soft touch
- o Single side Glazing with slide in Wedge
- o Able to comply with Aust BCA Code for LRV colour difference
- o Can be used with Frontline for a wide variety of Double glaze options
- o Shooshline Doors can be encapsulated in the Frame in combination with Microline/Frontline

FRAME OPTIONS

LARGE FRAME - 105mm x 50mm

DISABILITY COMPLIANCE

Able to comply with 36mm & 50mm Frame for AS1428-2009

GLAZING OPTIONS

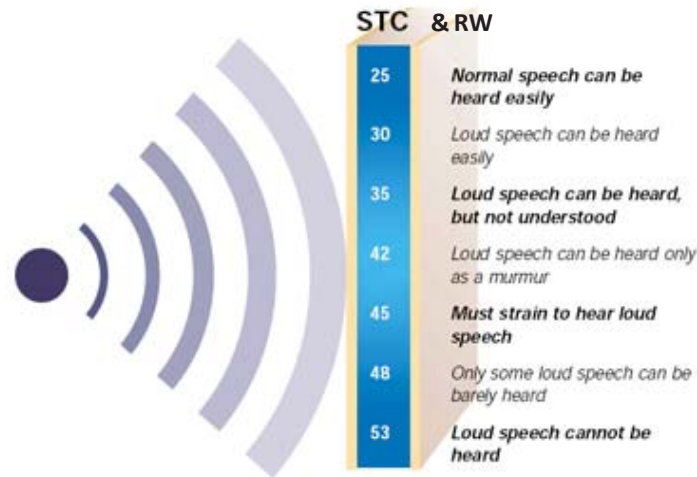
Single glazed 6mm - 14.50mm as per AS1288-2006

DOOR OPTIONS

HINGED - Timber or Glass Doors 32mm - 45mm in thickness
 SLIDING - Timber or Sapphire Shooshline Door 45mm in thickness

PLASTERBOARD OPTIONS

64mm Steel Studs and 2 Sheets of 13mm Plasterboard
 51mm Steel Studs and 3 Sheets of 13mm Plasterboard
 51mm Steel Studs and 2 Sheets of 13mm & 1 Sheet of 10mm Plasterboard with a 3mm Stainless or Steel Sheet.
 Shadowline details optional
 Drywall construction optional (Semi- Demountable)



WALLS

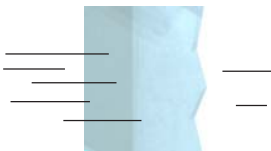
The Wideline Suite will accommodate walls constructed with the following
64mm Steel Studs and **two** sheets of 13mm plasterboard
51mm Steel Studs and **three** sheets of 13mm plasterboard.



34/26 - 45 (37) expressed as $R_w - R_w + C_{tr}$

GLASS

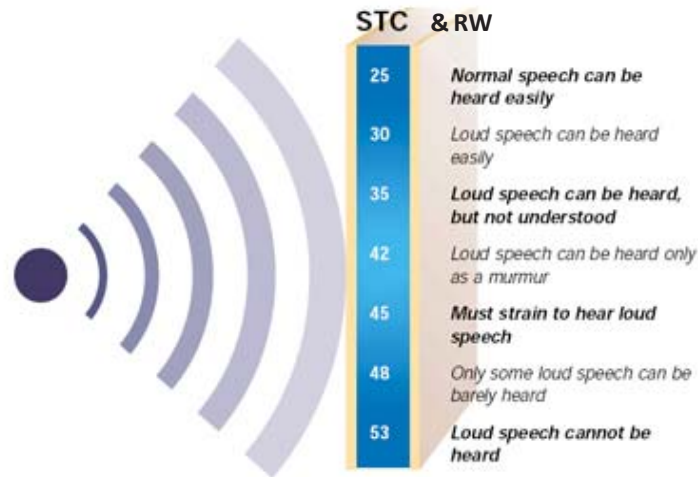
The Wideline Suite will accommodate single and glazing from **6mm - 14.5mm**.



Single 33 - 40 dB STC

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and $R_w + C_{tr}$. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.



WALLS

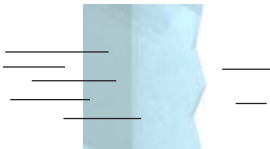
The Wideline Suite will accommodate walls constructed with the following
64mm Steel Studs and **two** sheets of 13mm plasterboard
51mm Steel Studs and **three** sheets of 13mm plasterboard.



34/26 - 45 (37) expressed as $R_w - R_w + C_{tr}$

GLASS

The Wideline Suite will accommodate single and glazing from **6mm - 14.5mm**.



Single 33 - 40 dB STC

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and $R_w + C_{tr}$. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.

SPECIFICATION

The Sapphire Wideline® Suite of sections have been developed with over 30 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire Wideline® Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be Wideline® by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

LARGE FRAME - 50mm

The maximum panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for Wideline® Partition Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire Wideline® Partition Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire Wideline® Partition Suite** as it may cause scratching or damage to the coated surface.

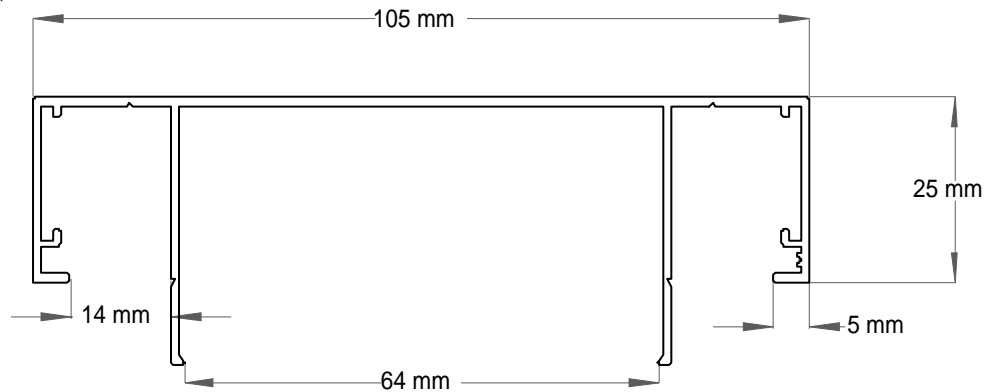
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



SAP010

64MM CAPPING HEAD/FRAME

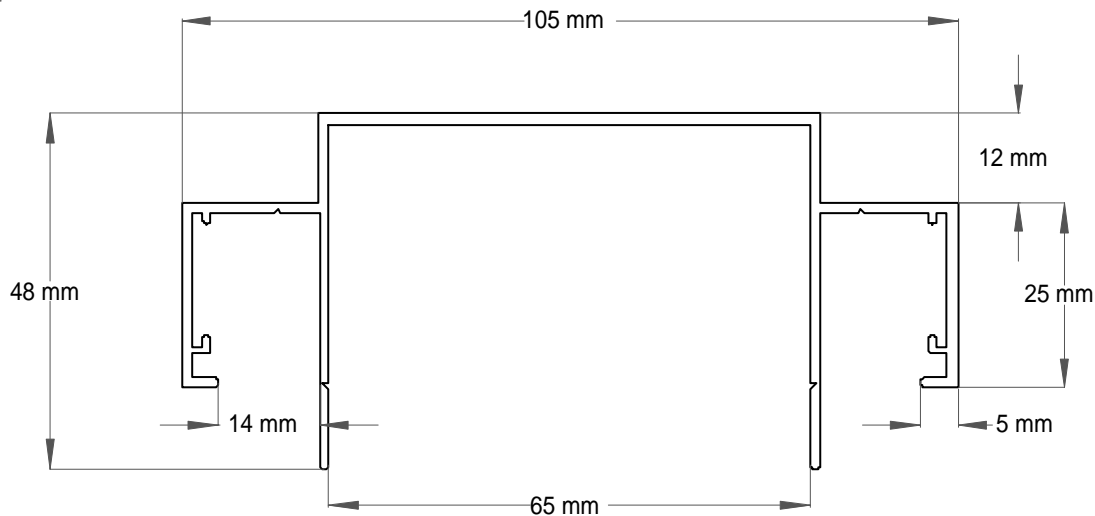
MASS = .787 Kg/M PER = 483mm

SAP010 is used as a complete prefinished head track, wall starter, and capping for door reveals and dwarf walls. It is used on both vertical and horizontal planes and accepts 64mm standard steel studs and 13mm wallboard. It is commonly used when speed is essential as it is possible when using this system to build high quality partition walls without involving the wet trades as all raw edges are capped and protected. The inner legs of this section snap off to allow SAP011, SAP011C to be fitted giving a surface on which our door or glazing frames can be mounted. It is also commonly used with our range of wideline pocket glazing sections SAP016.

SAP010 accepts SAP011, SAP011C, SAP016.

SAP010 accepts joining stakes (SPACS6, 7, 8).

SAP010 is available in 2.8 metre and 3.6 metre lengths.



SAP010C

64MM SHADOWLINE HEADTRACK

MASS = .915 Kg/M PER = 530mm

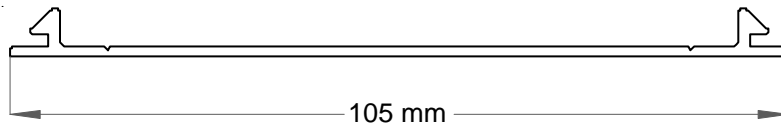
SAP010/C is similar to SAP010 but has a 12mm rise to form a shadow line detail. It is used as a complete prefinished head track, wall starter, and capping for door reveals and dwarf walls it is therefore used on both vertical and horizontal planes and accepts 64mm standard steel studs and 13mm wallboard. It is commonly used when speed is essential as it is possible when using this system to build high quality partition walls without involving the wet trades as all raw edges are capped and protected. The inner legs of this section snap off to allow SAP011, SAP011/C to be fitted giving a surface on which our door or glazing frames can be mounted.

It is also commonly used with our wideline pocket glazing section SAP016 to form either wide or narrow mullions for glazing or door frames.

SAP010C accepts SAP011, SAP011C, SAP016.

SAP010C accepts joining stakes (SPACS6, 7, 8).

SAP010C is available in 2.8 metre and 3.6 metre lengths.



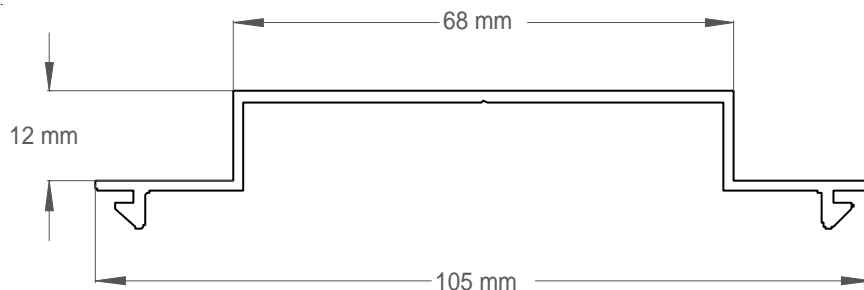
SAP011

SNAP IN FLUSH ADAPTOR

MASS = .465 Kg/M PER = 238mm

SAP011 has a smooth surface allowing any section to be fitted anywhere on the 105mm face, particularly suitable for offset glazing with SAP004/5 to allow the inclusion of blinds or curtains fitted behind the glass but within the outer frame. It is also suitable for double glazing using two SAP004/5's.

SAP011A snaps into SAP010, SAP010C, SAP012, SAP012L, SAP013L, SAP014, SAP014G, SAP014M, SAP014L, SAP015, SAP019M, SAP019L, SAP021, SAP024, SAP024D, SAP031, SAP033, SAP037 & SAP040. SAP011A is available in 2.8 & 3.6 metre lengths.



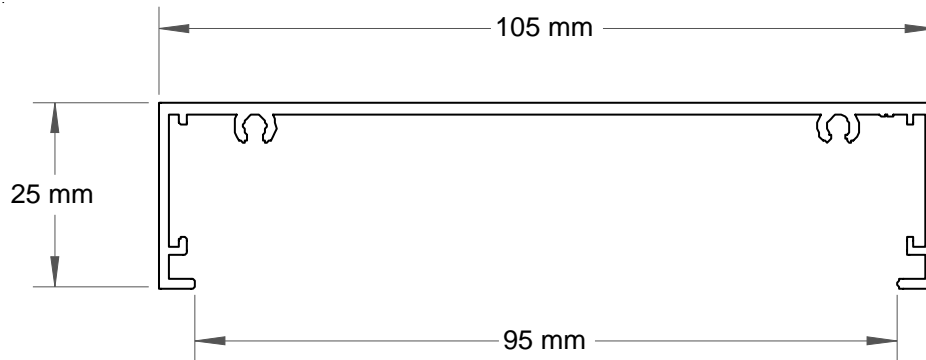
SAP011C

SNAP IN SHADOWLINE ADAPTOR

MASS = .586 Kg/M PER = 285mm

SAP011/C is similar to SAP011/A but has a 12mm rise to form a shadow line detail. It is used as a complete prefinished shadowline head track adaptor, wall starter.

SAP011C snaps into SAP010, SAP010C, SAP012, SAP012L, SAP013L, SAP014, SAP014G, SAP014M, SAP014L, SAP015, SAP019M, SAP019L, SAP021, SAP024, SAP024D, SAP031, SAP033, SAP037 & SAP040. SAP011C is available in 2.8 & 3.6 metre lengths.



SAP012

64MM CAPPING HEAD/FRAME

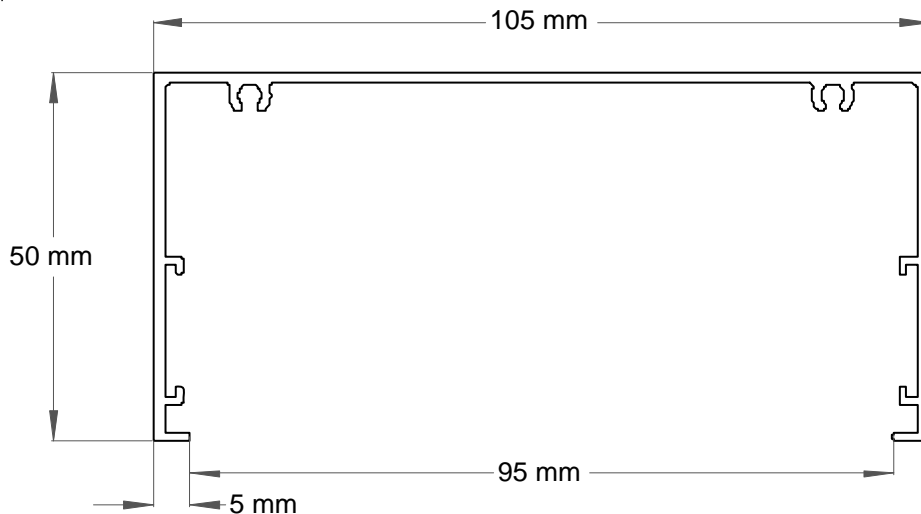
MASS = .878 Kg/M PER = 464mm

SAP012 is used as a complete 25mm prefinished head track, wall starter and capping for door reveals and glazing. The section has no inner legs which allows SAP011A , SAP011C to be fitted giving a surface on which our door or glazing frames can be mounted. It is also commonly used with our range of wideline and frontline pocket glazing sections to form either wide or narrow mullions for glazing or door frames with the added feature of screw flutes to help align vertical and horizontal joints.

SAP012 accepts SAP011, SAP011C, SAP016, SAP038, SAP041 & SAP481

SAP012 accepts joining stakes (SPACS6, 7, 8).

SAP012 is available in 2.8 metre and 3.6 metre lengths.



SAP012L

64MM LARGE CAPPING HEAD/FRAME

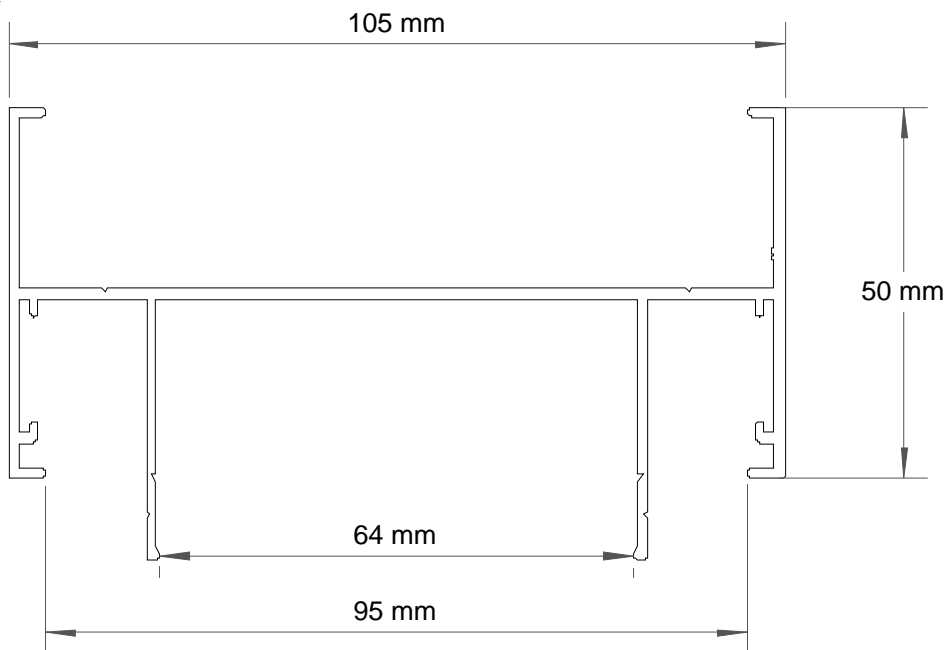
MASS = .922 Kg/M PER = 447mm

SAP012L is used as a complete prefinished 50mm head track, wallstarter and capping for door reveals, overhead closers and glazing. The section features no inner legs which allows SAP011, SAP011C to be fitted giving a surface on which our door or glazing frames can be mounted. It is also commonly used with our range of Wideline & Frontline pocket glazing sections to form either wide or narrow mullions for glazing or door frames with the added feature of screw flutes to help align vertical and horizontal joints.

SAP012L accepts SAP011, SAP011C, SAP016, SAP038, SAP041, SAP480 & SAP481

SAP012L accepts joining stakes (SPACS6, 7, 8).

SAP012L is available in 2.8 metre and 3.6 metre lengths.



SAP013L
64MM LARGE MULTI CAPPING HEAD / FRAME
 MASS = 1.112Kg/M PER = 600mm

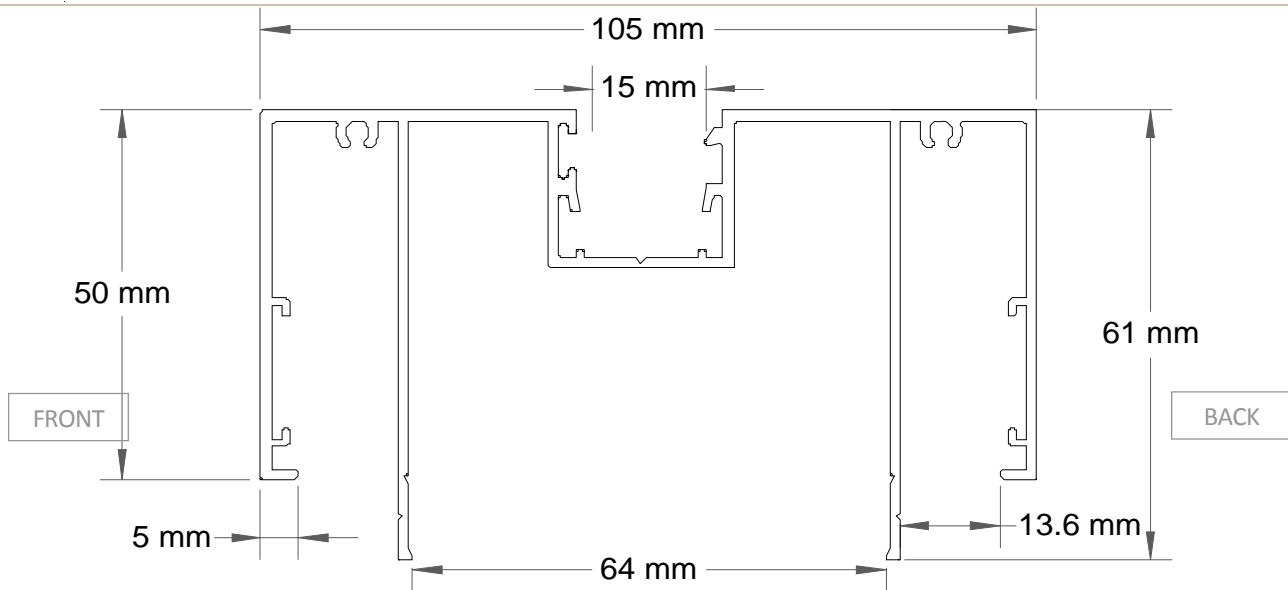
SAP013L is used as a complete 50mm prefinished head track, wall starter and capping for door reveals and glazing where the wall needs to be encapsulated. it is ideal where plaster is run over head to the ceiling allowinf for multiple snap ins to be used along the length.

The section has no inner legs on one side allowing for a wide range of our snap in sections to be fitted for single, front or double glazing .

SAP013L accepts SAP011. SAP011C, SAP016, SAP038, SAP041 & SAP481

SAP013L accepts joining stakes (SPACS6, 7, 8).

SAP013L is available in 2.8 metre and 3.6 metre lengths.



SAP014F
WIDELINE PLASTERBOARD LARGE POCKET FRAME
 MASS = 1.607 Kg/M PER = 828mm

This section forms the basis of our 50mm pocket glazing system. SAP014/F is used to form walls comprising 64mm standard steel studs and 13mm wallboard. As with SAP010 the inner extended legs can be snapped off to accept SAP011A, SAP011 & SAP016 for mullions.

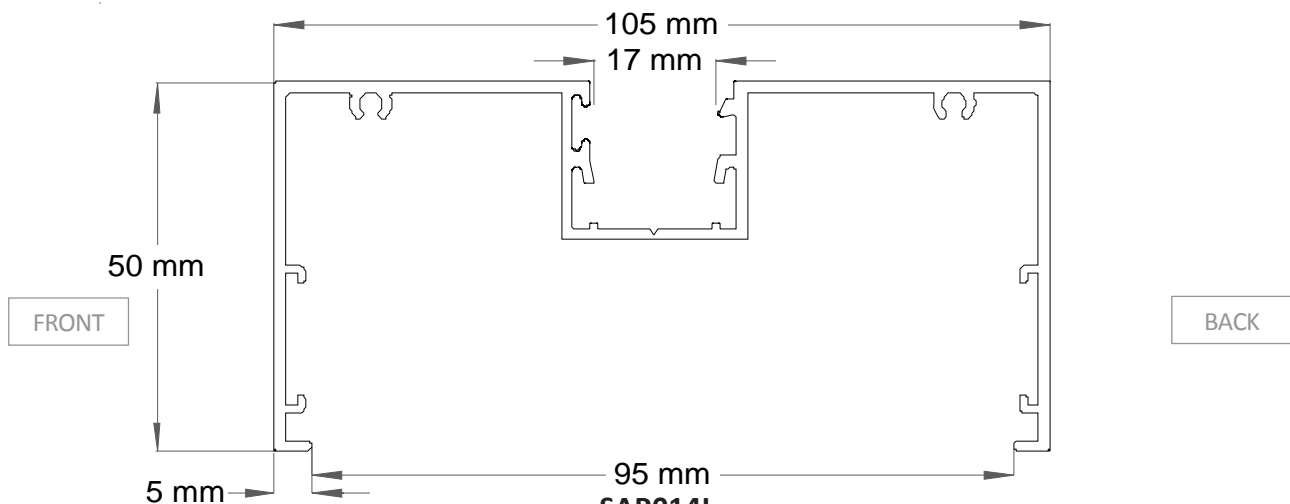
SAP014F will also accept doorstops to create a doorframe for doors 32mm - 45mm in thickness.

SAP014L accept SAP011, SAP011C, SAP016, SAPDS35, SAPDS40, SAPDS45, SAPPI, SAP038 & SAP041.

SAP014F will accept glass from 6mm - 14.50mm as per AS1288 - 2006.

SAP014F accepts SPACS6,7,8 & Zenith WEB1050 pre drilled angle bracket.

SAP014F is available in 2.8 metre and 3.6 metre lengths.



SAP014L
WIDELINE LARGE POCKET CAPPING/FRAME
 MASS = 1.222 Kg/M PER = 584mm

This section forms the basis of our pocket glazing system, when used in conjunction with SAP016 it forms a centre mullion capable of being glazed on both sides forming a thickness of 50mm. When used with SAP038 a offset mullion is created.

SAP014L will also accept doorstops to create a doorframe for doors 32mm - 45mm in thickness.

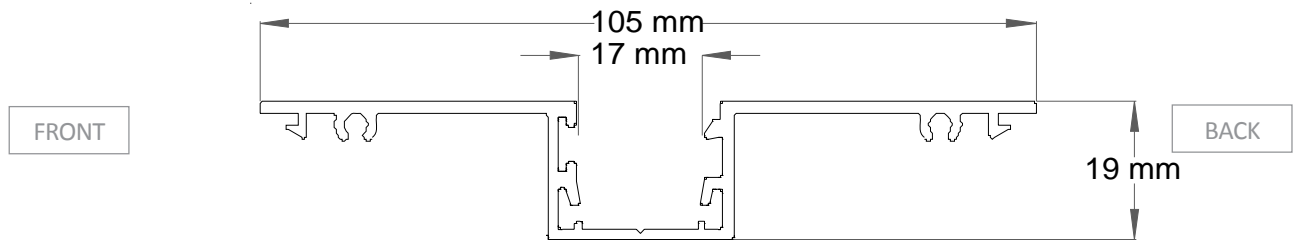
SAP014L accept SAP011, SAP011C, SAP016, SAPDS35, SAPDS40, SAPDS45, SAPPI, SAP038, SAP041 & SAP481.

SAP014L will accept glass from 6mm - 14.50mm as per AS1288 - 2006.

SAP014L accepts SPACS6,7,8 & Zenith WEB1050 pre drilled angle bracket.

SAP014L is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! SAP014L must be installed with slide wedge groove to the front for Door stop to function.



SAP016

WIDELINE SNAP IN POCKET GLAZE

MASS = .745 Kg/M PER = 356mm

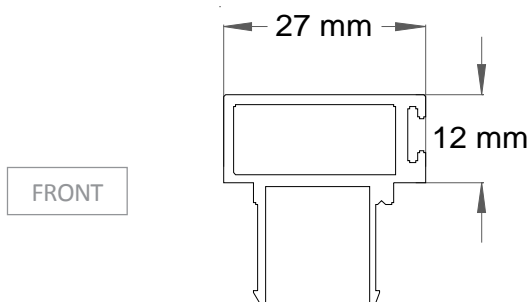
This section is a flat pocket glazing cover designed to be used with SAP010, SAP010C, SAP012, SAP012L, SAP013L, SAP014M, SAP014F, SAP014L, SAP015, SAP019L, SAP019M, SAP021, SAP024, SAP024D, SAP033, SAP037 and SAP040 to form 105mm wide single sided glazing mullion or frame.

SAP016 also accepts glass from 6mm to 14.50mm in thickness as per AS1288 - 2006.

SAP016 accepts SAPDS35, SAPDS40, SAPDS45, SAPPFI

SAP016 accepts Zenith WEB1050 pre drilled angle bracket

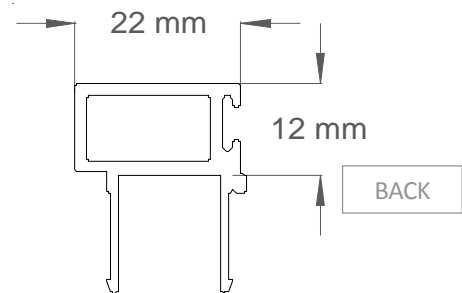
SAP016 is available in 2.8 metre and 3.6 metre lengths.



SAPDS35

SNAP IN DOORSTOP UP TO 35MM DOORS

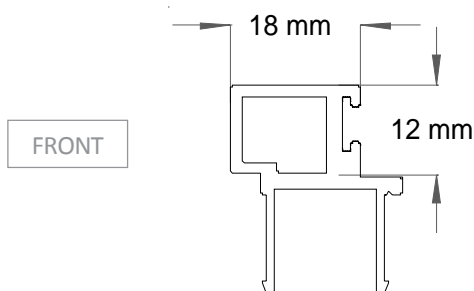
MASS = .430 Kg/M PER = 150mm



SAPDS40

SNAP IN DOORSTOP UP TO 40MM DOORS

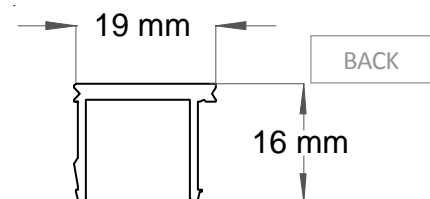
MASS = .430Kg/M PER = 150mm



SAPDS45

SNAP IN DOORSTOP UP TO 45MM DOORS

MASS = .430 Kg/M PER = 150mm



SAPPFI

SNAP IN POCKET FLUSH INFIL

MASS = .190 Kg/M PER = 105mm

Please Note ! Door thickness stated allow for fixing flush with the edge of the frame when hung

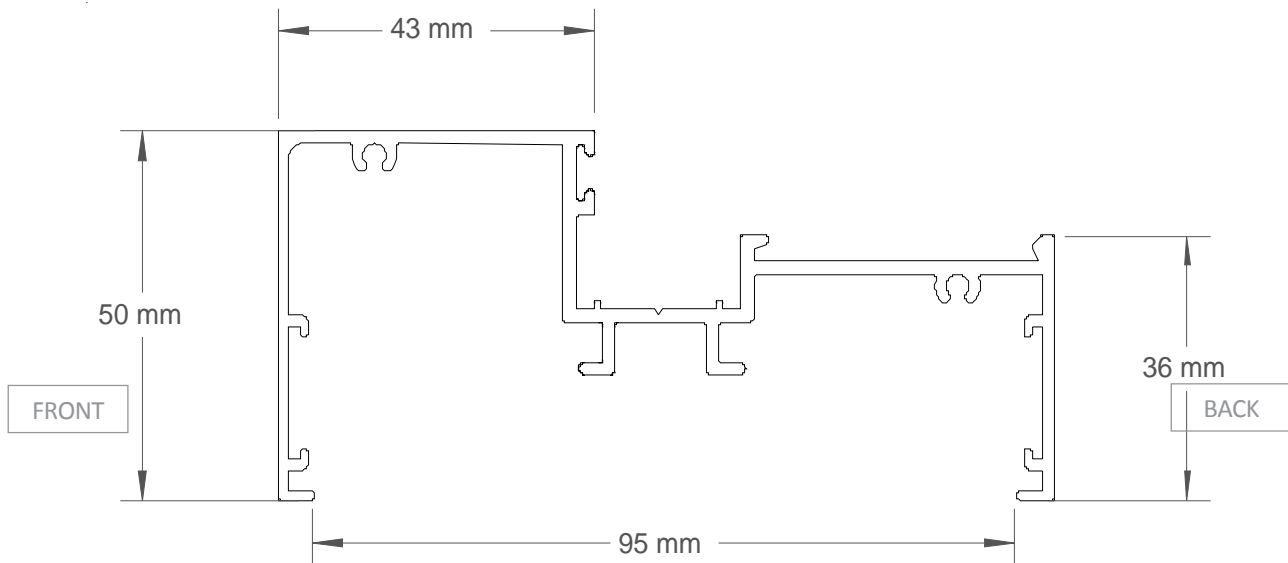
These snap in doorstops are very similar in nature, like our other range of door jambs these sections accept either (SPADS1B or G) a fur pile seal for dust sealing or (SPADS6B or G) Nyoln Foam Filled Acoustic bulb seal to give an acoustic type seal when the door is closed.

Note you can also install a 12mm Batwing smoke seal to doorstops if desired in place of our other seals.

Sapphire Doorstops snap into all Sapphire Pocket sections in Wideline & Maxline 76mm

SAPDS35, SAPDS40 & SAPDS45 are available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! All frames must be installed with slide wedge groove to the front for Door stop to function correctly.



SAP019L

WIDELINE GLAZING SILL / TRANSOM

MASS = 1.303 Kg/M PER = 570mm

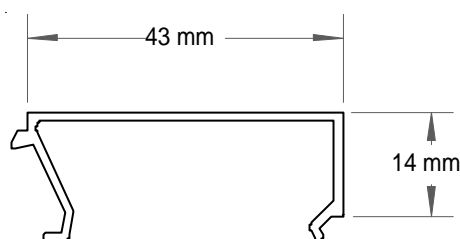
This section has been developed as Sill/Transom for designs that require multiple horizontal panels of glass to be installed. SAP019L has the same dimensions when installed as SAP014L/SAP016 making it possible to have the look of french glazed windows if desired. SAP019L has been designed with a heavier wall thickness to cope with glass thicknesses up to 14.50mm and may have SAP016 installed on the base for extra glass support as a sill.

SAP019L accepts glass from 6mm - 12.38mm in thickness as per AS1288 - 2006.

SAP019L accepts SAP022, SAP011, SAP011C, SAP016, SAP038, SAP041

SAP019L accepts SPACS6,7,8 & Zenith WEB1050 pre drilled angle bracket

SAP019L is available in 2.8 metre and 3.6 metre lengths.

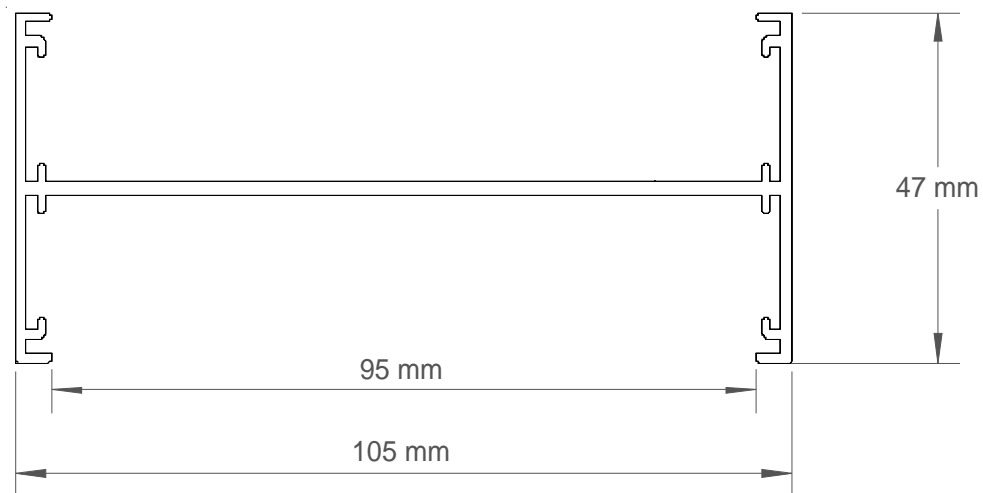


SAP022

WIDELINE SILL/TRANSOM BEAD

MASS = .287 Kg/M PER = 173mm

SAP022 is a glazing bead clips into SAP019L, SAP019M, SAP219L, SAP319L to form a complete glazing sill/ transoms
SAP022 is available in 2.8 & 3.6 metre lengths.



SAP021

64MM LARGE MULTI CAP

MASS = 1.112Kg/M PER = 600mm

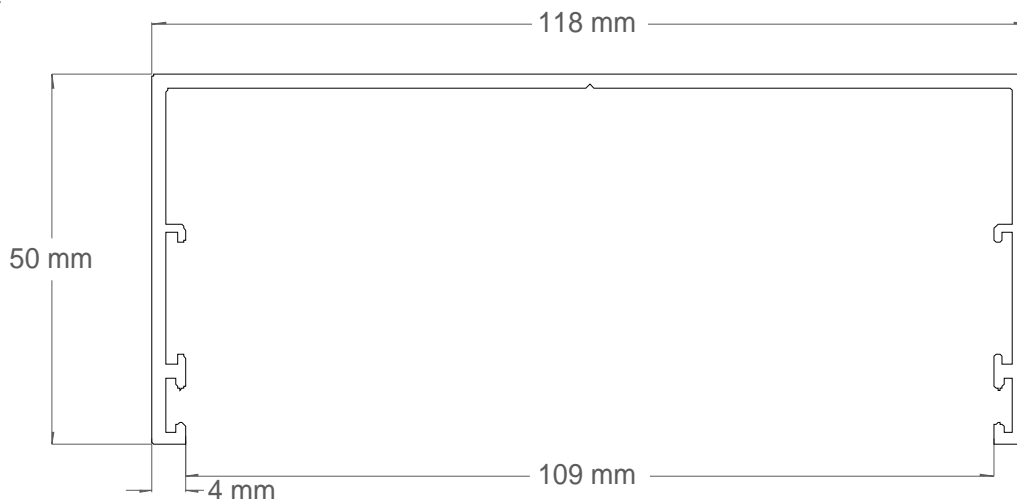
SAP021 is used to form multiple sections such as mullions , wallstarts or clasing channels.

The section has no inner legs on either side allowing for a wide range of our snap in sections to be fitted for single, front or double glazing mullions of 105mm x 50mm

SAP021 accepts SAP011. SAP011C, SAP016, SAP038, SAP041 & SAP481

SAP021 accepts joining stakes (SPACS6, 7, 8).

SAP021 is available in 2.8 metre and 3.6 metre lengths.



SAPWSH

WIDELINE/FRONTLINE DEFLECTION HEAD

MASS = 1.192Kg/M PER = 481mm

SAPWSH is used as deflection head for for Wideline and Frontline Partitions for slb to slab construction or where earthquake building standards require a deflection head be installed.

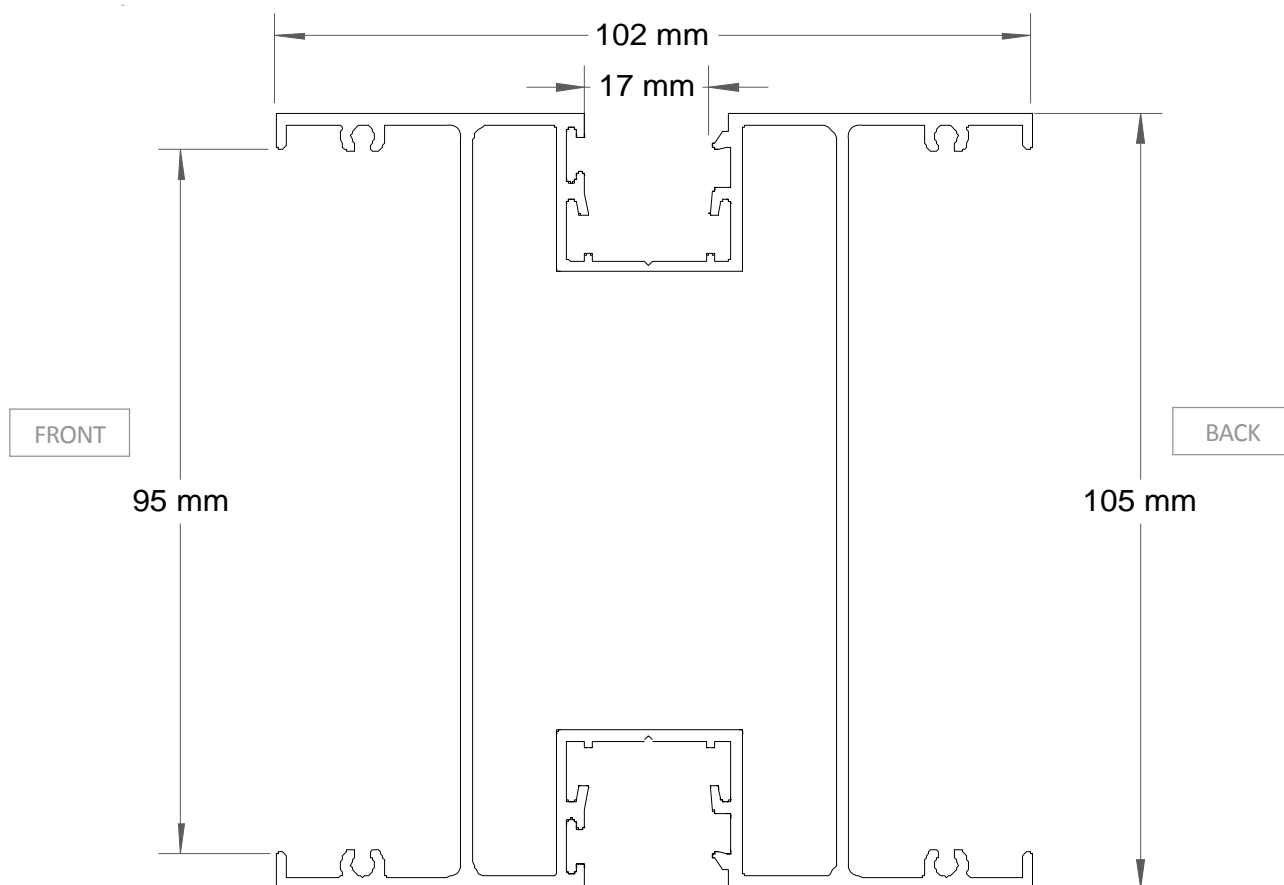
The section has no inner legs on either side allowing for a wide range of our snap in sections to be fitted for single, front or double glazing mullions of 105mm x 50mm

SAPWSH accepts SAP010. SAP010C, SAP012, SAP012L SAP015, SAP037, SAP040

SAPWSH accepts SPADS1-B or G, SPADS1F-B, SPADS2-B & SPADS6-B

SAPWSH accepts joining stakes (SPACS6, 7, 8).

SAPWSH is available in 3.6 metre lengths.



SAP024

WIDELINE 105 x 105 4 WAY POST

MASS = 2.449 Kg/M PER = 735mm

This section has been developed for designs that require a solid 105mm square aluminium post capable of being glazed in up to four directions or accommodating doors up to 50mm in thickness. SAP024 can also be capped over the end of a 64mm stud making it possible to finish the end of the wall and hang a door off each side. SAP024 may also be used as a power pole.

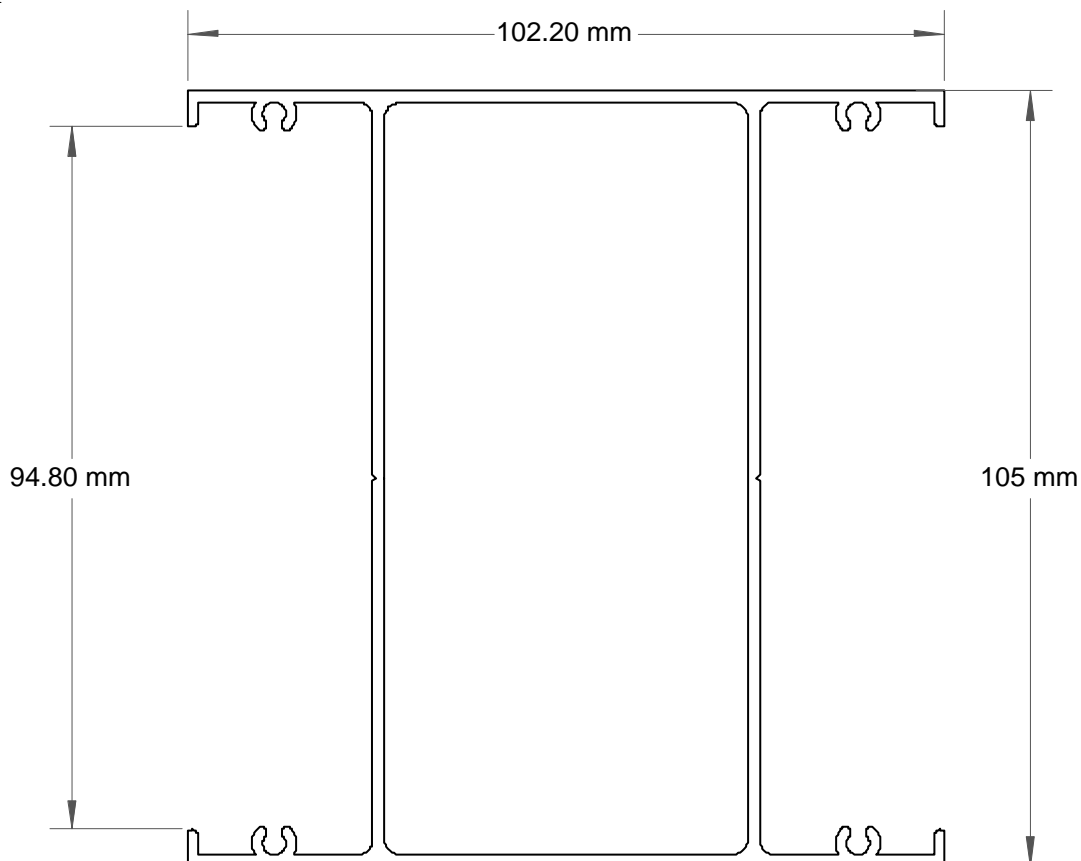
SAP024 accepts SAP011, SAP011C, SAP016, , SAP038, SAP041 & SAP481

SAP024 will accept glass from 6mm - 14.50mm as per AS1288 - 2006.

SAP024 accepts Zenith WEB1050 pre drilled angle bracket

SAP024 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! SAP024 must be installed with slide wedge groove to the front for Door stop to function



SAP024D

WIDELINE 105 x 105 2 WAY POST

MASS = 1.965 Kg/M PER = 651mm

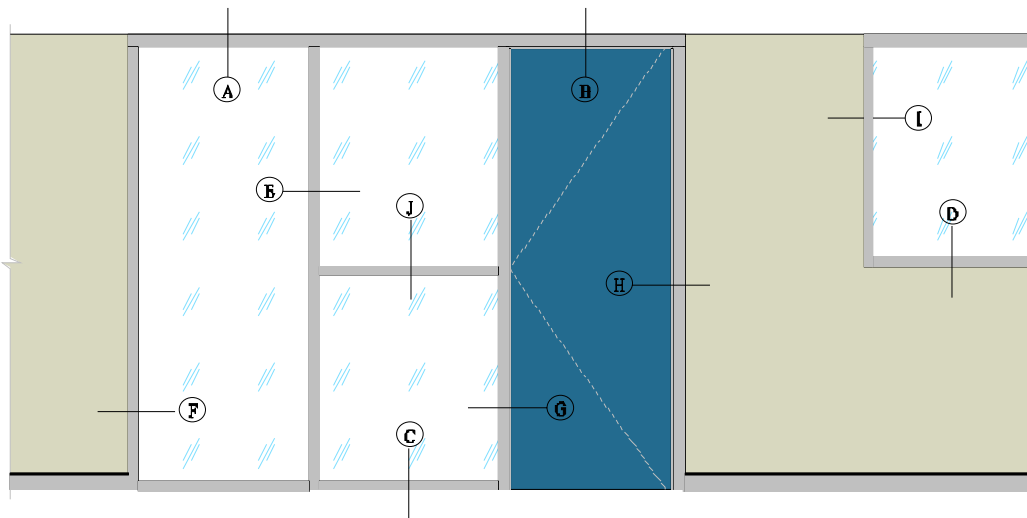
This section has been developed for designs that require a solid 105mm square aluminium post capable of being glazed in up to two directions, centre, frontline or double glazed or accommodating doors up to 50mm in thickness. SAP024D can also be capped over the end of a 64mm stud making it possible to finish the end of the wall and hang a door off each side SAP107 or SAP108.

SAP024D can also be used as a central Lock post for Sliding doors in combination with SAP481

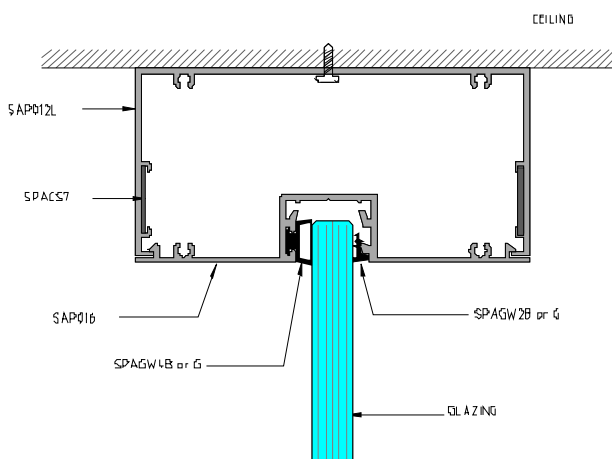
SAP024D may also be used as a power pole.

SAP024D accepts SAP011, SAP011C, SAP016, SAP038, SAP041 & SAP481

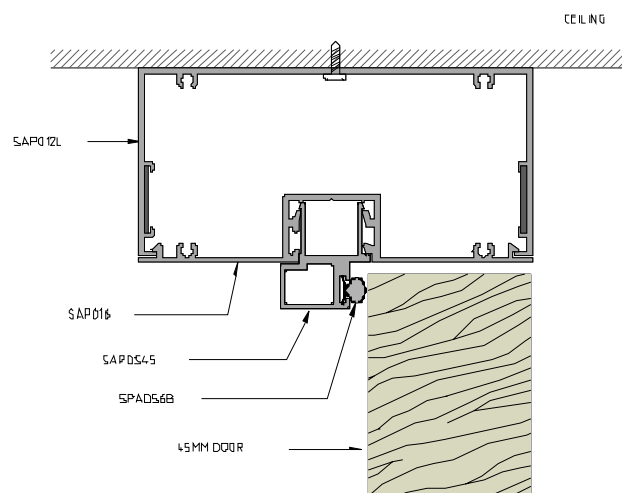
SAP024D is available in 2.8 or 3.6 metre lengths.



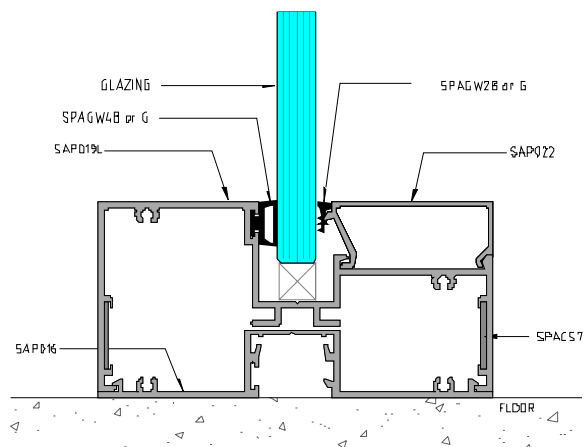
Ⓐ GLAZED HEAD DETAIL



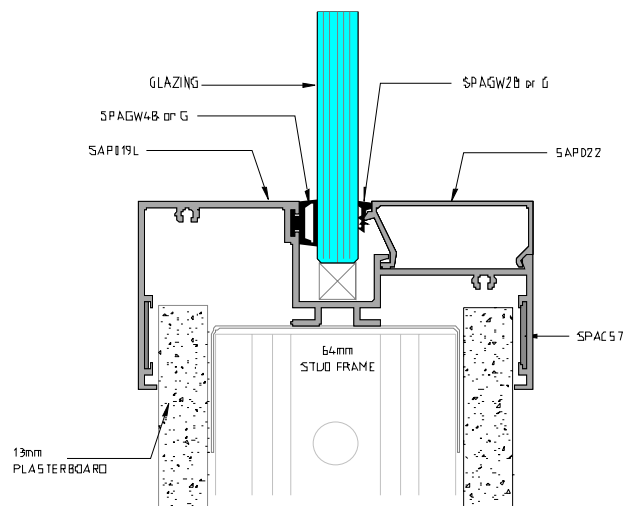
Ⓑ DOOR HEAD DETAIL



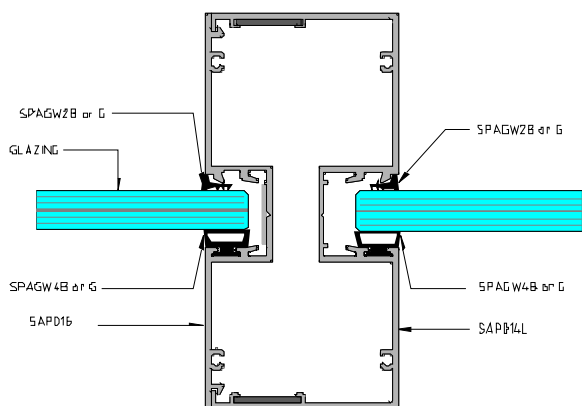
Ⓒ GLAZED SILL DETAIL



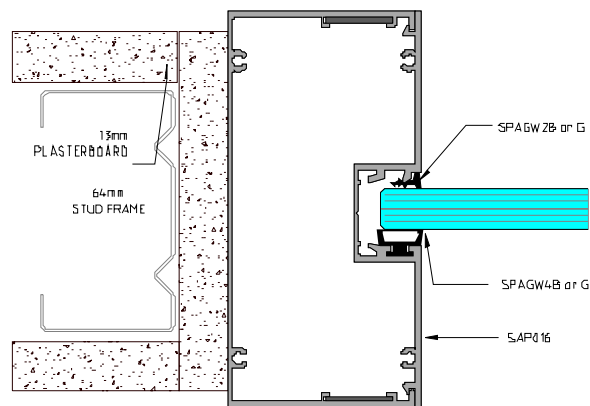
Ⓓ GLAZED SILL/DACED WALL DETAIL



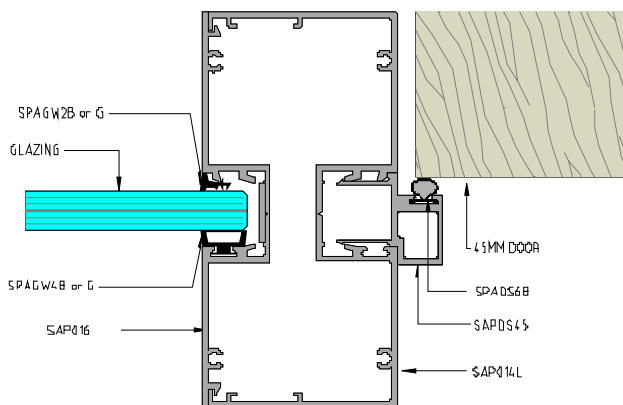
Ⓔ GLAZED MULLION DETAIL



Ⓕ GLAZED SILL DETAIL

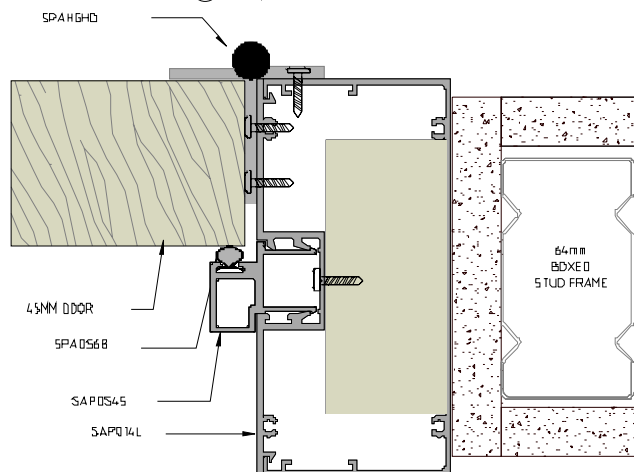


Ⓖ GLAZED MULLION/DOOR DETAIL



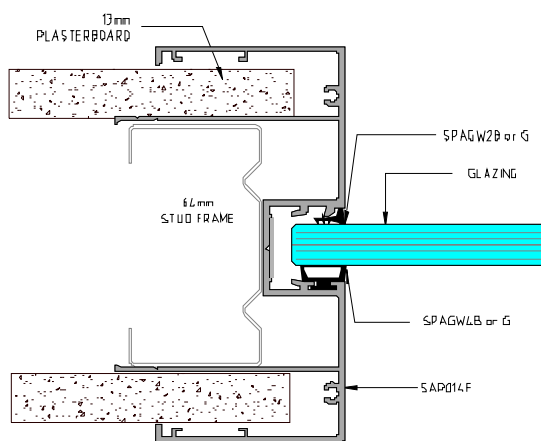
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓗ HINGE DOOR DETAIL

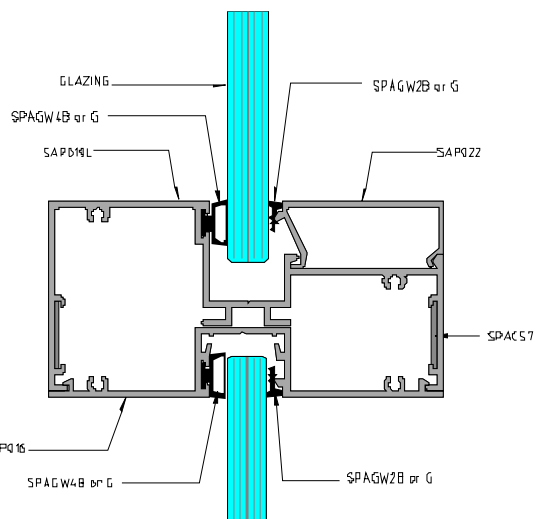


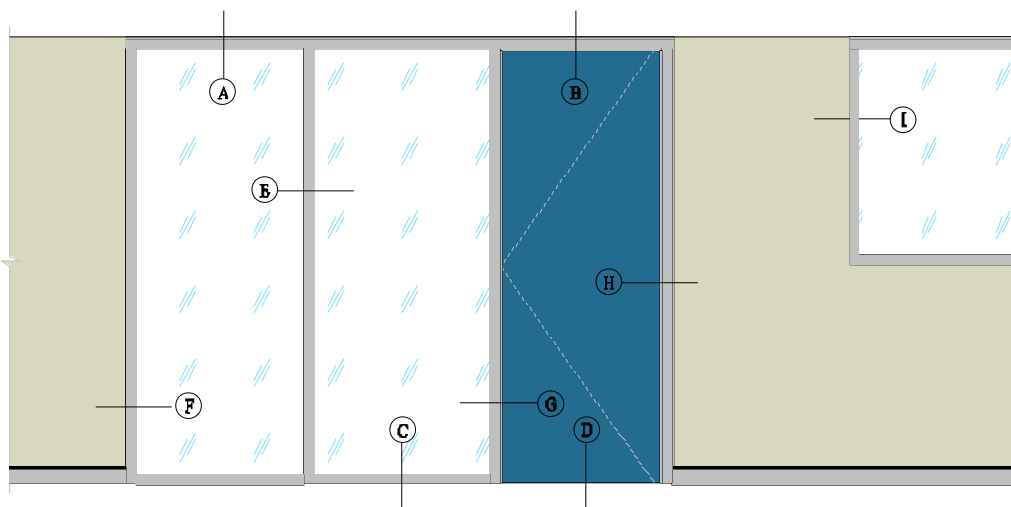
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓘ GLAZED SOLID DETAIL

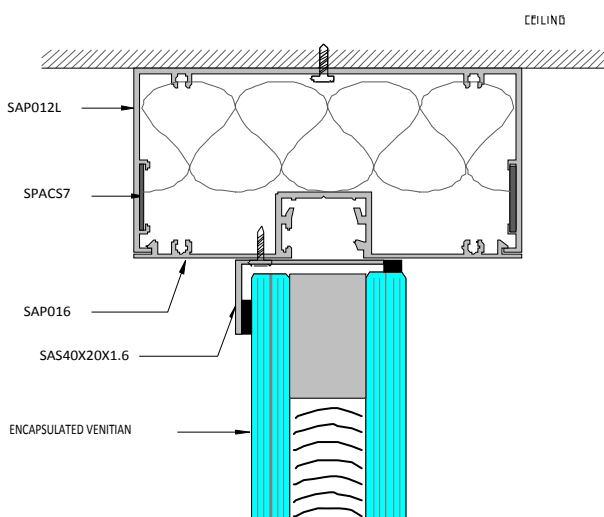


Ⓙ GLAZED TRANSOM DETAIL

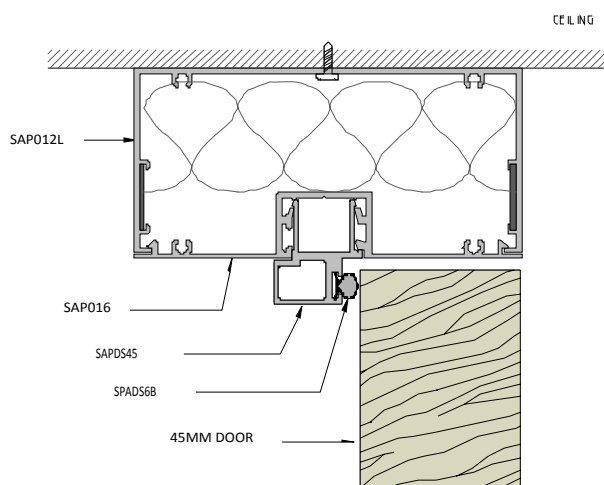




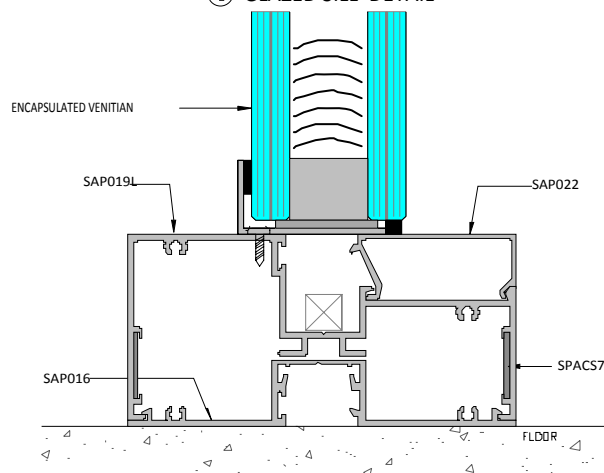
A GLAZED HEAD DETAIL



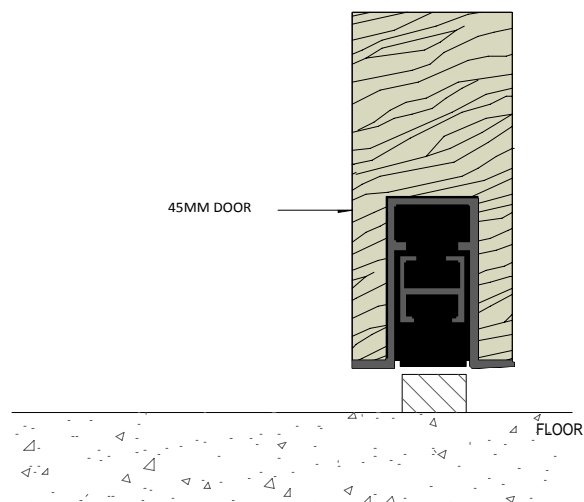
B DOOR HEAD DETAIL



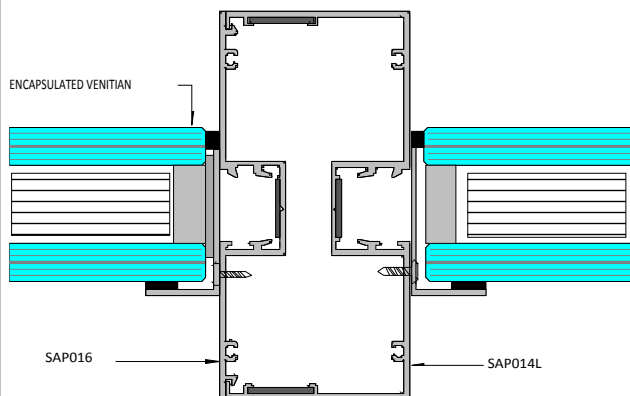
C GLAZED SILL DETAIL



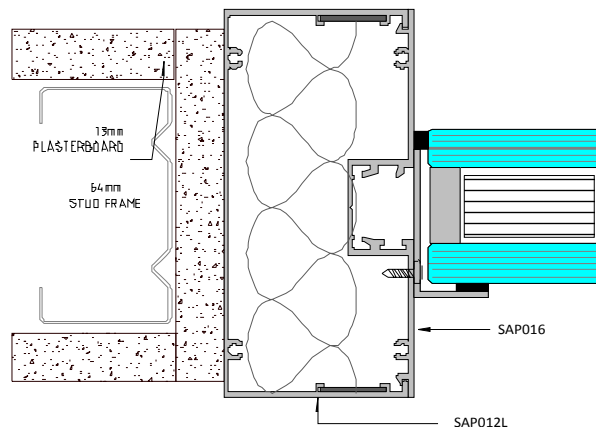
D BOTTOM DOOR WITH DROPSEAL DETAIL



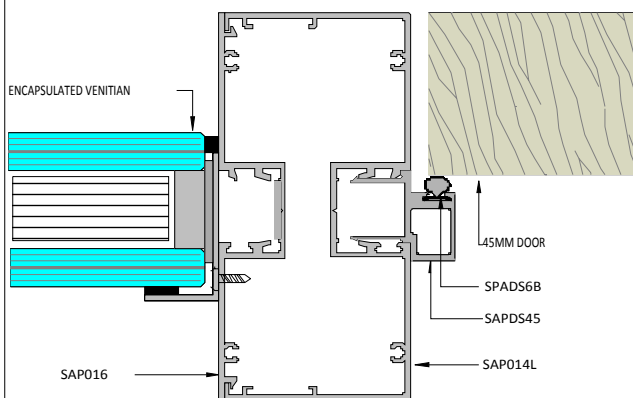
Ⓑ GLAZED MULLION DETAIL



Ⓕ GLAZED SILL DETAIL

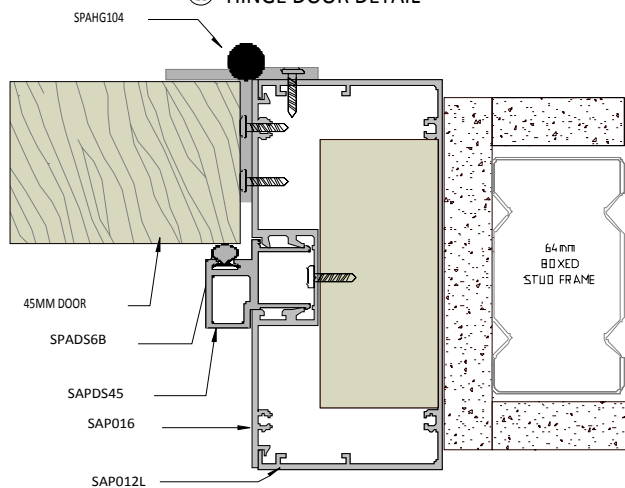


Ⓖ GLAZED MULLION/DOOR DETAIL



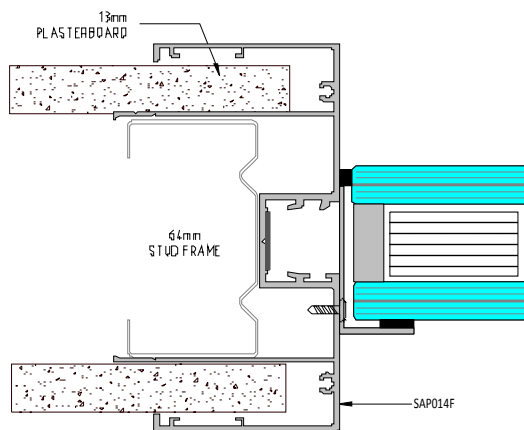
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

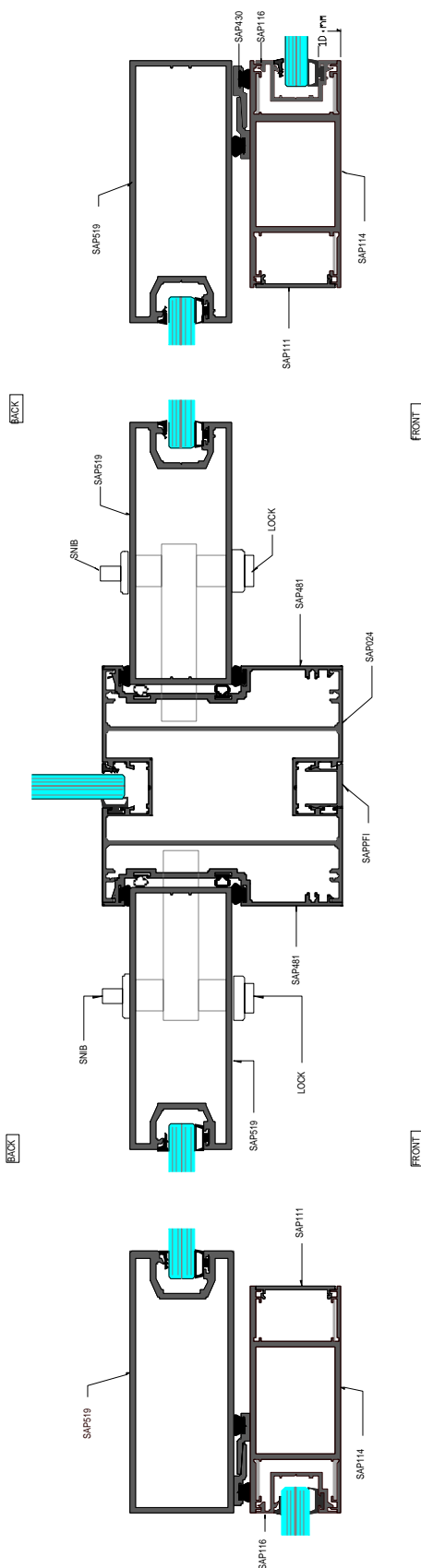
Ⓗ HINGE DOOR DETAIL



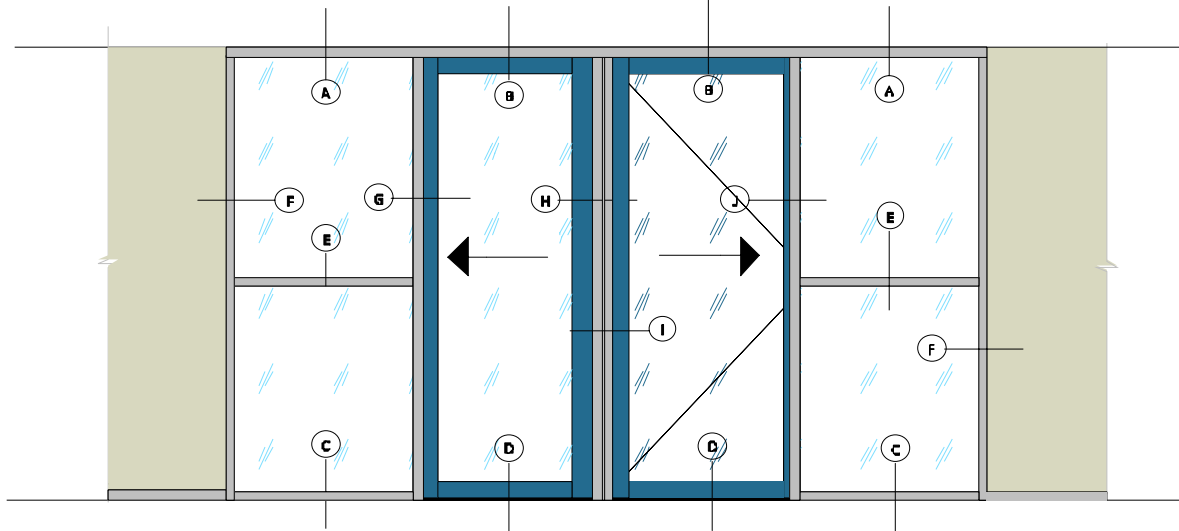
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓘ GLAZED SOLID DETAIL

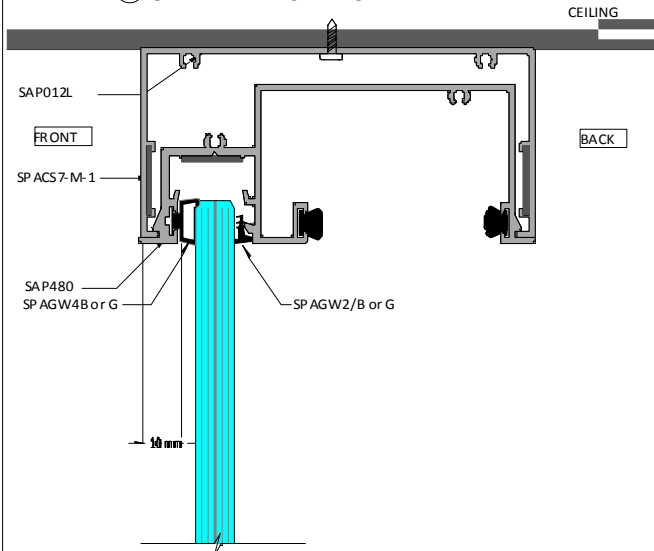




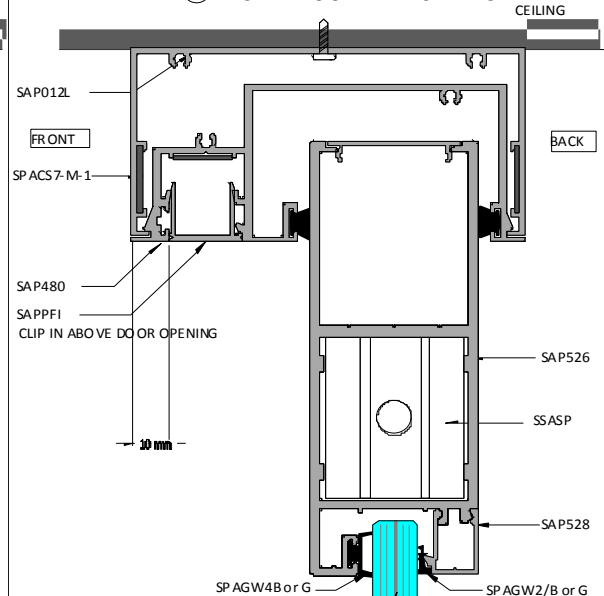
SCALE 1 : 3



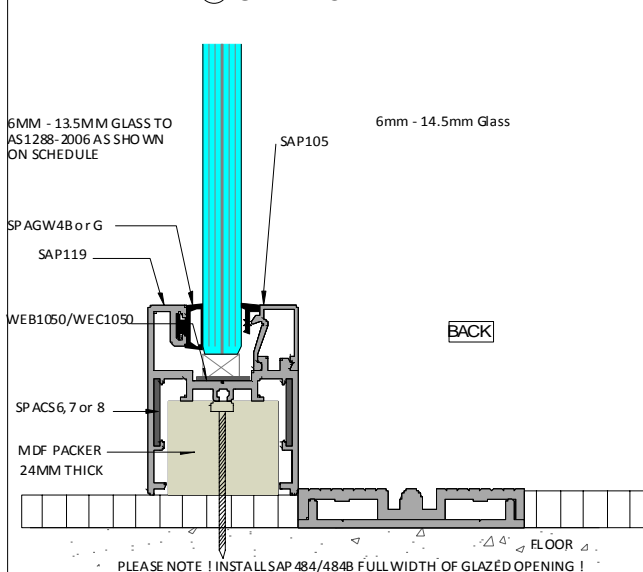
Ⓐ GLAZED HEAD SLIDING DETAIL



Ⓑ 115mm DOOR HEAD SLIDING DETAIL

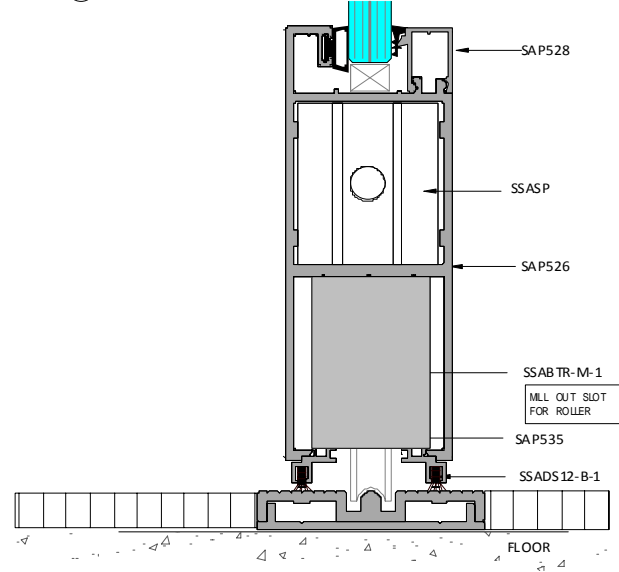


Ⓒ GLAZED SILL DETAIL

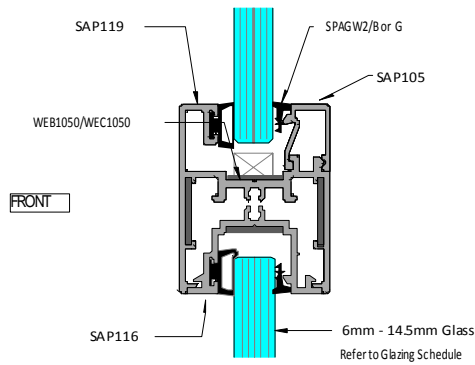


PLEASE NOTE ! INSTALL SAP484/484B FULL WIDTH OF GLAZED OPENING !

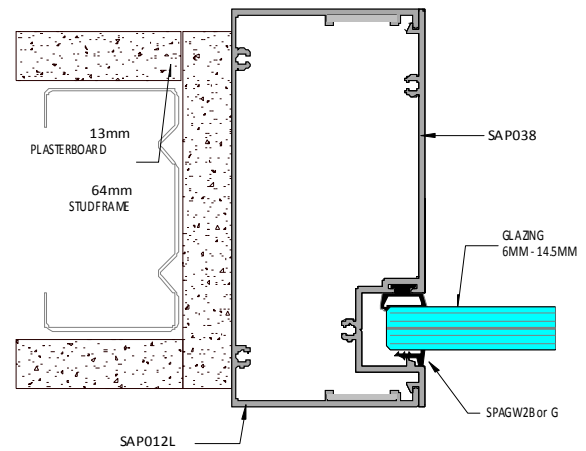
Ⓓ 115mm SLIDING DOOR FLOORTRACK DETAIL



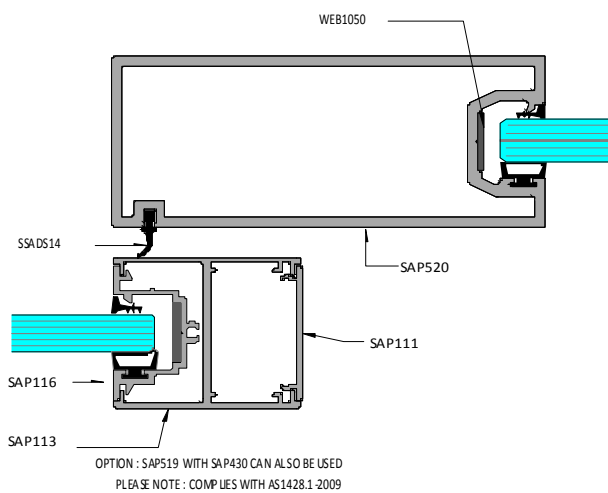
Ⓔ GLAZED MULLION DETAIL



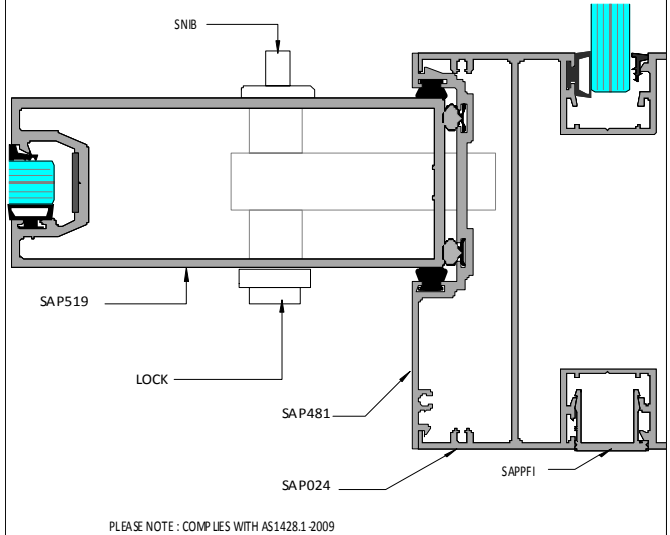
Ⓕ GLAZED SILL DETAIL



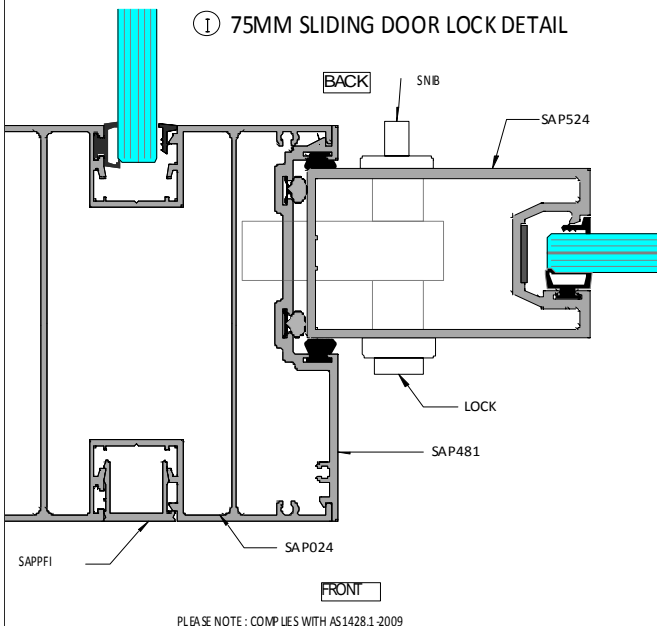
Ⓖ GLAZED MULLION/115MM DOOR DETAIL



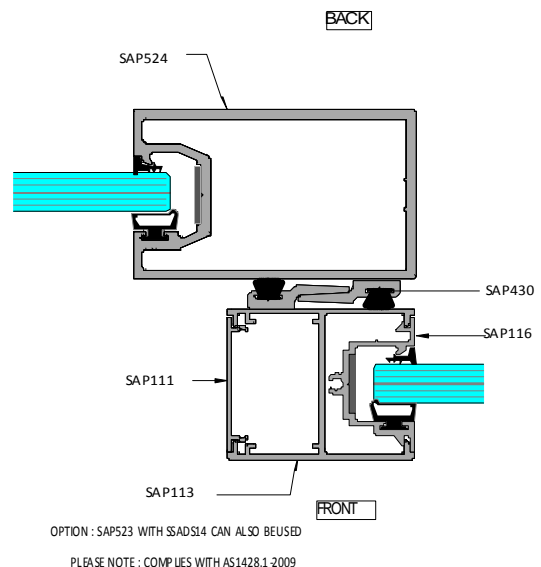
Ⓗ 115MM SLIDING DOOR LOCK DETAIL



Ⓖ 75MM SLIDING DOOR LOCK DETAIL



Ⓖ 75MM SLIDING DOOR MULLION DETAIL





INTRODUCTION

The Sapphire Frontline Suite is primarily used for framing plasterboard walls and glass where a sleek front glazed look is required similar to curtain walls. The glass can also be mounted to the back or combinations of front and back or double glazed where high sound ratings are required for meeting rooms or senior management (partner) offices

COMMON USE

Commercial Office Partitions where acoustics and privacy are important such as law and accounting firms or banks , Meeting Rooms

FEATURES

- o Rounded Edges for soft touch
- o Single side Glazing with slide in Wedge for Front and Double Glaze
- o Able to comply with Aust BCA Code for LRV colour difference
- o Can be used with Wideline for a wide variety of Double glaze options
- o Shooshline Doors can be encapsulated in the Frame in combination with Microline/Frontline

FRAME OPTIONS

LARGE FRAME - 105mm x 50mm

GLAZING OPTIONS

Single glazed 6mm - 14.50mm as per AS1288-2006

Double glazed 6mm - 14.50mm as per AS1288-2006

DOOR OPTIONS

- HINGED - Timber 32mm - 45mm or Sapphire Shooshline Door 45mm in thickness
- SLIDING - Timber or Sapphire Shooshline Door 45mm in thickness

PLASTERBOARD OPTIONS

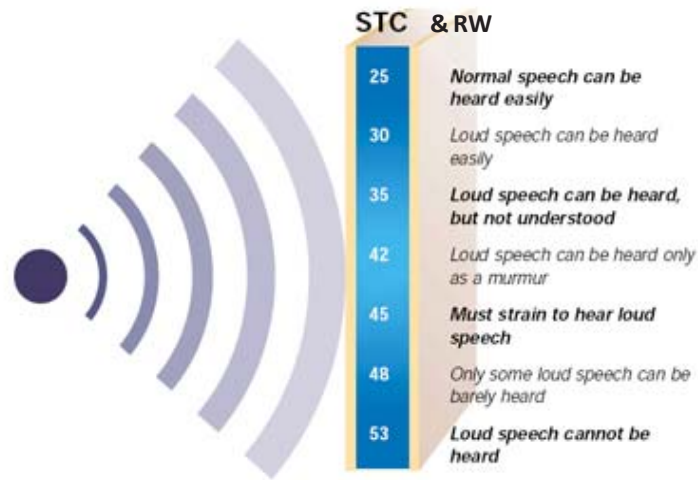
64mm Steel Studs and 2 Sheets of 13mm Plasterboard

51mm Steel Studs and 3 Sheets of 13mm Plasterboard

51mm Steel Studs and 2 Sheets of 13mm & 1 Sheet of 10mm Plasterboard with a 3mm Stainless or Steel Sheet.

Shadowline details optional

Drywall construction optional (Semi- Demountable)



ACOUSTIC PERFORMANCE

WALLS

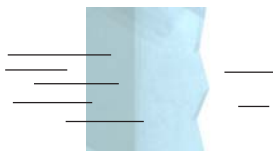
The Frontline Suite will accommodate walls constructed with the following
64mm Steel Studs and **two** sheets of 13mm plasterboard
51mm Steel Studs and **three** sheets of 13mm plasterboard.



34/26 - 44/38 expressed as $R_w - R_w + C_{tr}$

GLASS

The Frontline Suite will accommodate single and double glazing from **6mm - 14.5mm**.



SINGLE	33	-	40dB	STC
DOUBLE	40	-	45dB	STC

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and $R_w + C_{tr}$. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.

SPECIFICATION

The Sapphire Frontline Suite of sections have been developed with over 25 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire Frontline Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be Frontline by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

LARGE FRAME - 50mm

The maximum panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for FrontlinePartition Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire Frontline Partition Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire Frontline Partition Suite** as it may cause scratching or damage to the coated surface.

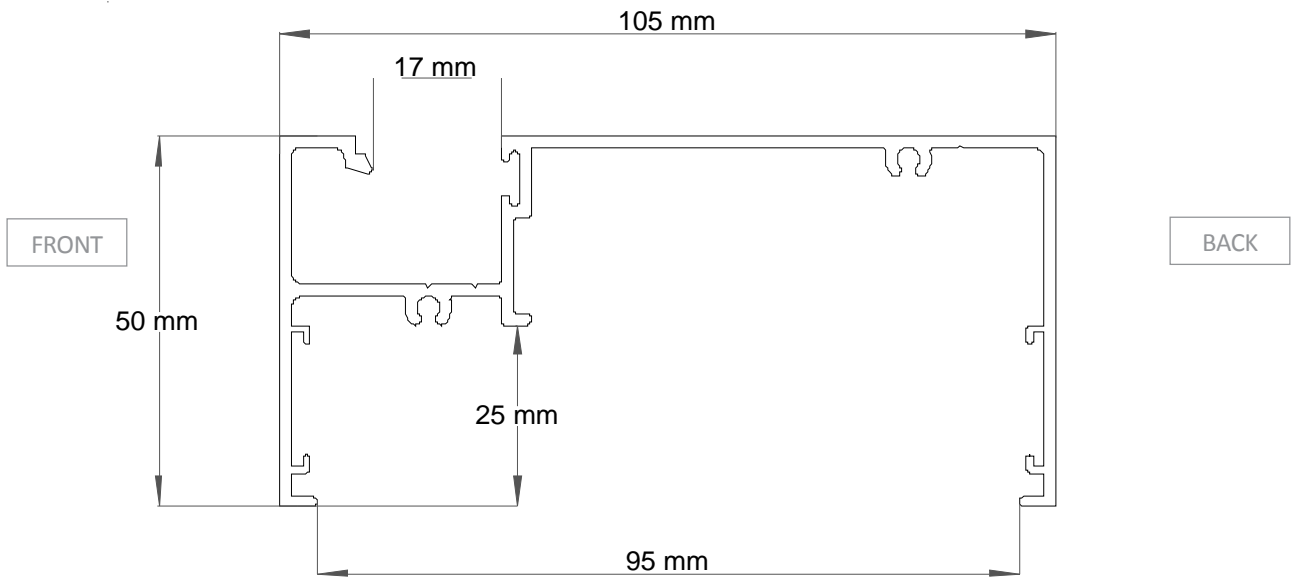
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice Please check on availability prior to specifying or ordering.



SAP037

FRONTLINE POCKET CAPPING

MASS = 1.211 Kg/M PER = 558mm

This section has been developed to enable 50mm frontline glazing from a capped 64mm steel stud wall with 13mm plasterboard. It is compatible with Sapphire's wideline sections as it has a flat face of 105mm being the standard width of all Sapphire Wideline & Frontline sections. When used in conjunction with SAP038 it forms an offset mullion capable of being glazed on both sides forming a thickness of 50mm.

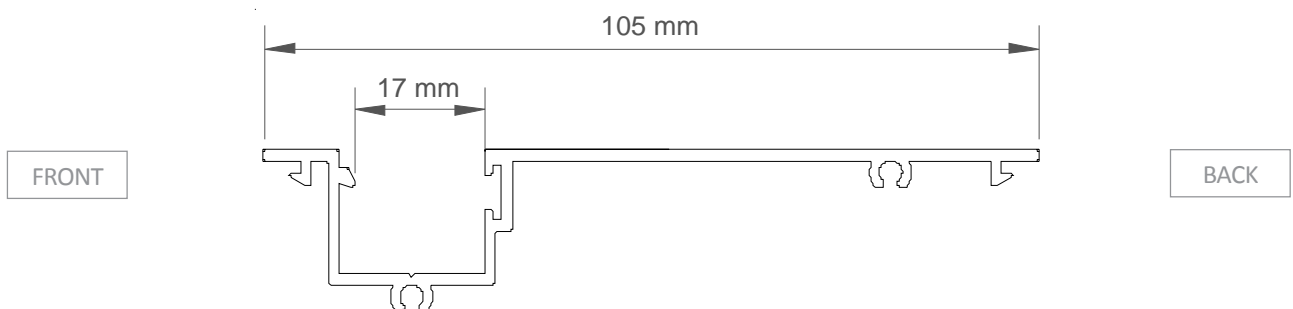
SAP037 accepts SAP011A, SAP011C, SAP016, SAP038, SAP041 SAP481

SAP037 accepts SPACS3,6,7 & 8.

SAP037 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP037 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP037



SAP038

FRONTLINE SNAP IN POCKET

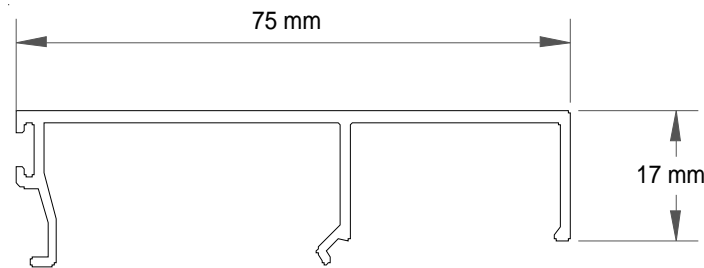
MASS = .694 Kg/M PER = 336mm

This section is a flat pocket glazing cover designed to be used with SAP012, SAP012L, SAP013L, SAP014L, SAP015, SAP019L, SAP019M, SAP021, SAP024, SAP024D, SAP037 & SAP040 to form 105mm wide single sided offset glazing mullion or frame.

SAP038 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

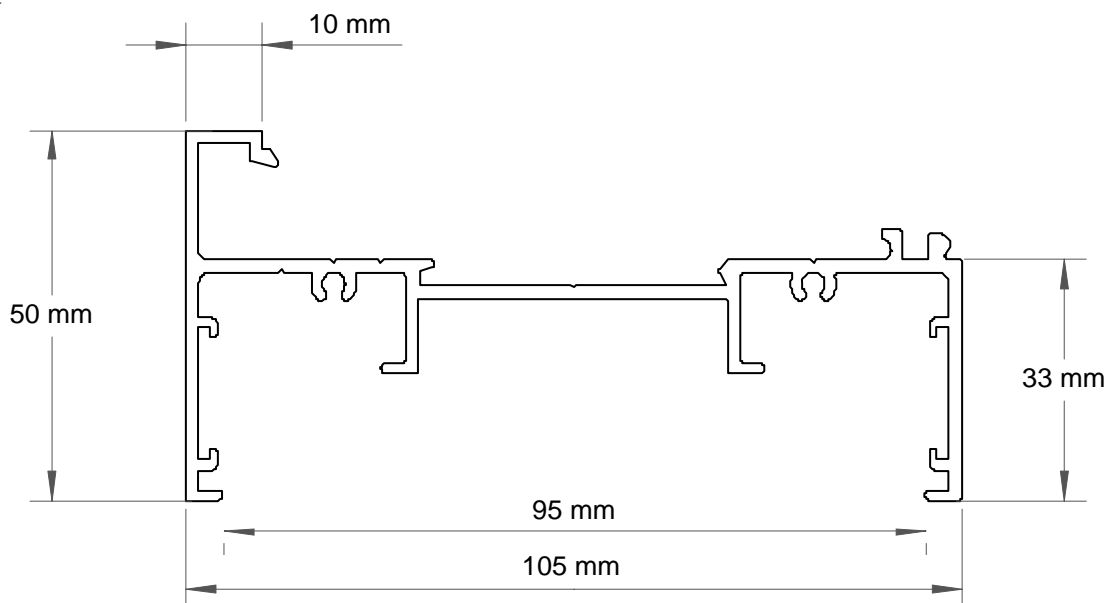
SAP038 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP038



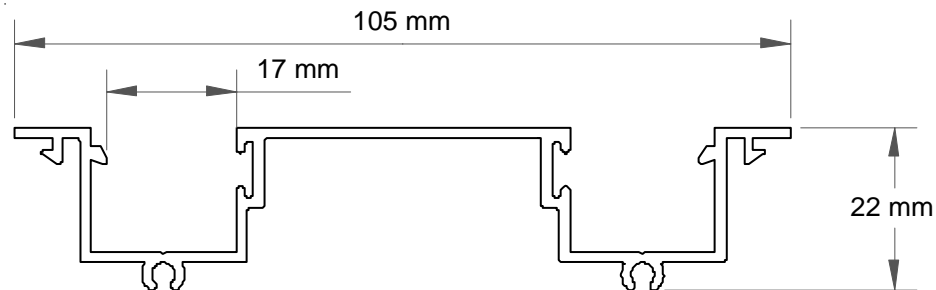
SAP039
FRONTLINE LARGE GLAZING SILL/TRANSOM
 MASS = .535 Kg/M PER = 277mm

This section has been designed to clip into SAP040 to enable frontline glazing.
 SAP039 clips into SAP033 & SAP040
 SAP039 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.
 SAP039 is available in 2.8 metre and 3.6 metre lengths.



SAP040
FRONTLINE 50MM SINGLE/DOUBLE GLAZE SILL/MULLION/TRANSOM
 MASS = 1.295Kg/M PER = 548mm

This section has been developed to enable single & double frontline glazing. It is compatible with Sapphire's wideline sections as it has a flat face of 105mm being the standard width of all Sapphire Wideline sections.
 SAP040 accepts SAP011, SAP011C, SAP016, SAP105, SAP038, SAP039, SAP041, SAP043 & SAP481
 SAP040 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.
 SAP040 accepts SPACS3,6,7 & 8.
 SAP040 is available in 2.8 metre and 3.6 metre lengths.



SAP041

FRONTLINE DOUBLE GLAZE SNAP IN POCKET

MASS = .849 Kg/M PER = 414mm

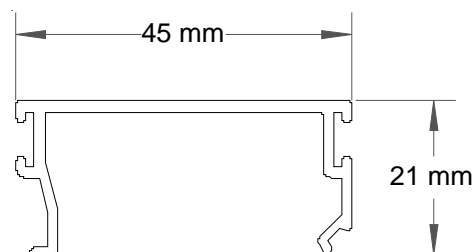
This section is a flat double pocket glazing cover designed to be used with SAP012, SAP012L, SAP013L, SAP014L, SAP015, SAP019L, SAP021, SAP024, SAP024D, SAP037, SAP039 & SAP040 to form 105mm wide double glazing mullion or frame.

SAP041 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP041 accepts SAPPFI (Please note this section must be siliconed into place or use a wooden block to support)

SAP041 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP041



SAP043

FRONTLINE DOUBLE GLAZE CAP

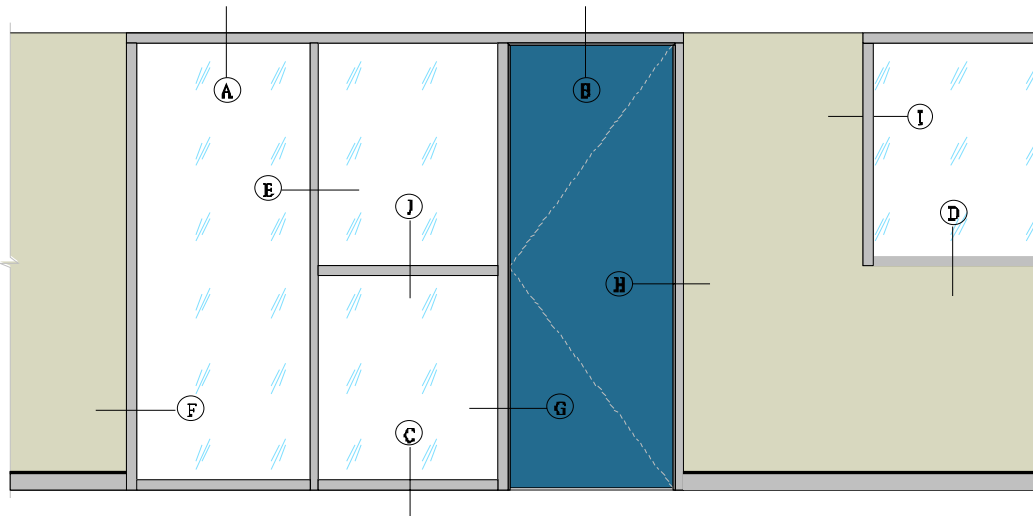
MASS = .410 Kg/M PER = 220mm

This section is a double glaze cap designed to be used with SAP040 and installed after the front panel of glass has been installed and prior to the rear panel of glass being installed.

SAP043 also accepts glass from 6mm to 12.38mm in thickness as per AS1288 - 2006.

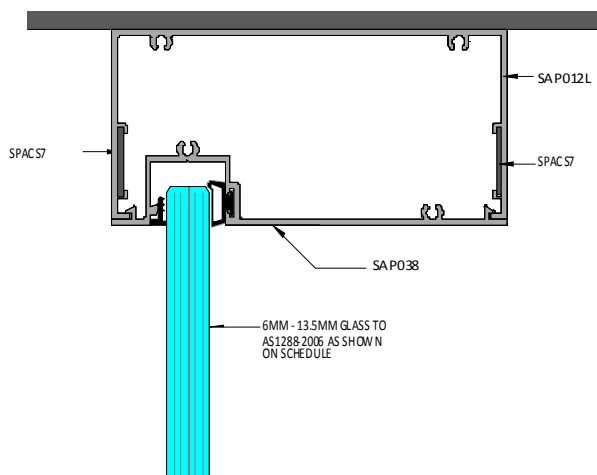
SAP043 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP043



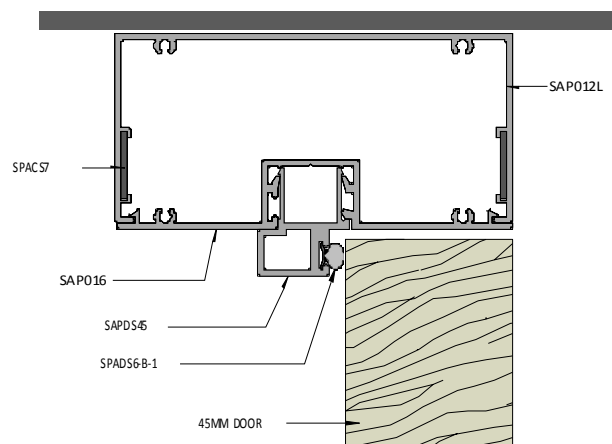
Ⓐ GLAZED HEAD DETAIL

CEILING

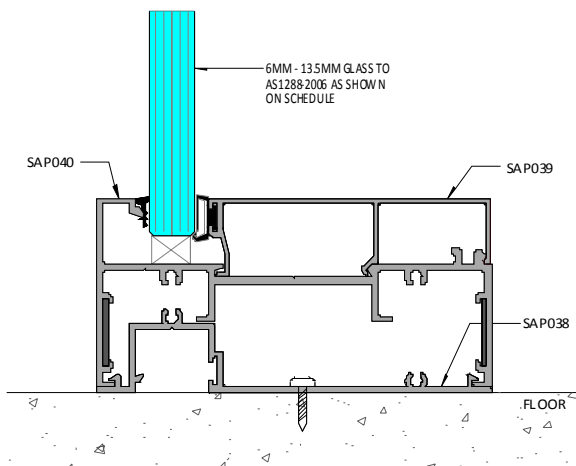


Ⓑ DOOR HEAD DETAIL

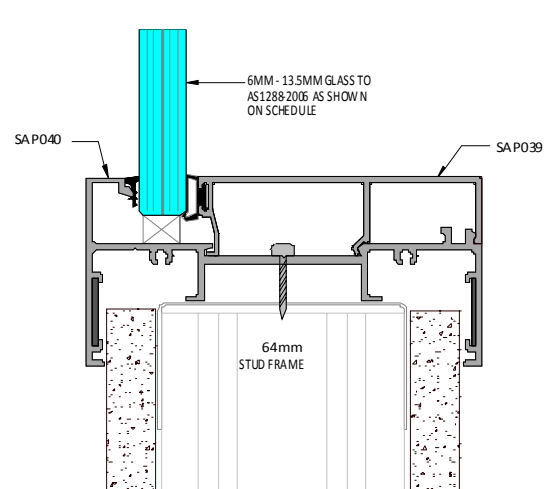
CEILING



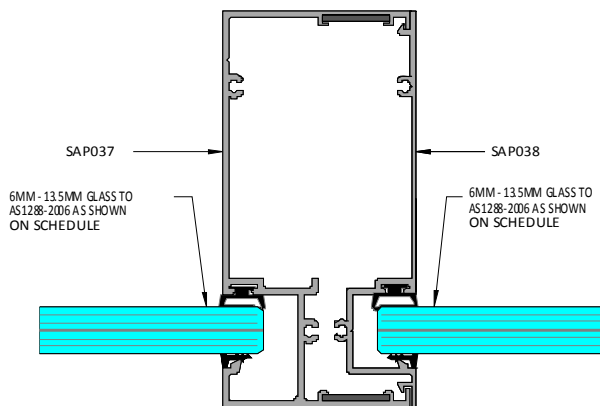
Ⓒ GLAZED SILL DETAIL



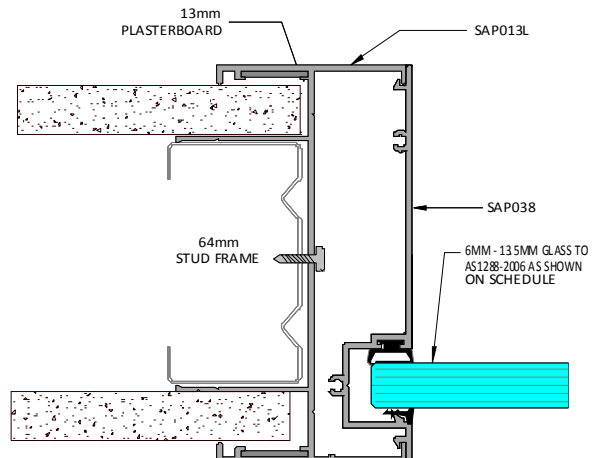
Ⓓ GLAZED SILL/DADDO WALL DETAIL



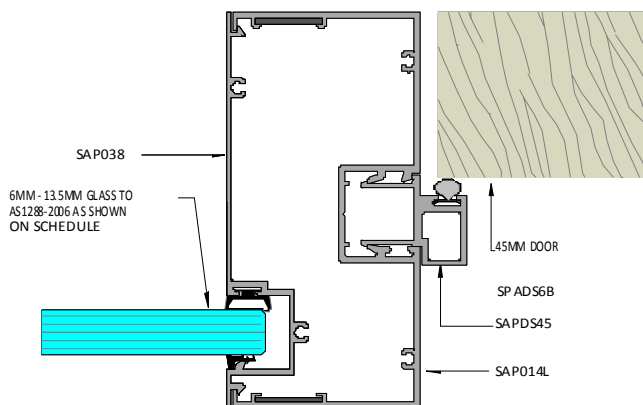
Ⓑ GLAZED MULLION DETAIL



Ⓕ GLAZED WALL STARTER DETAIL

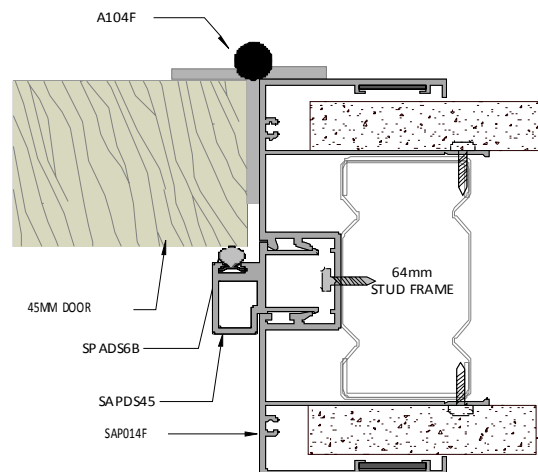


Ⓔ GLAZED MULLION/DOOR DETAIL



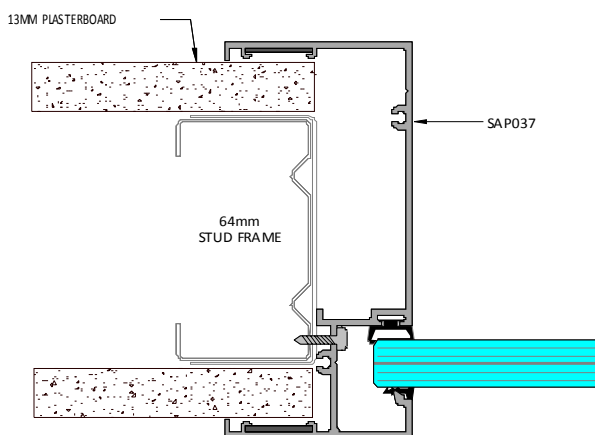
PLEASE NOTE : COMPLIES WITH AS1428.1:2009

Ⓗ SOLID DOOR DETAIL

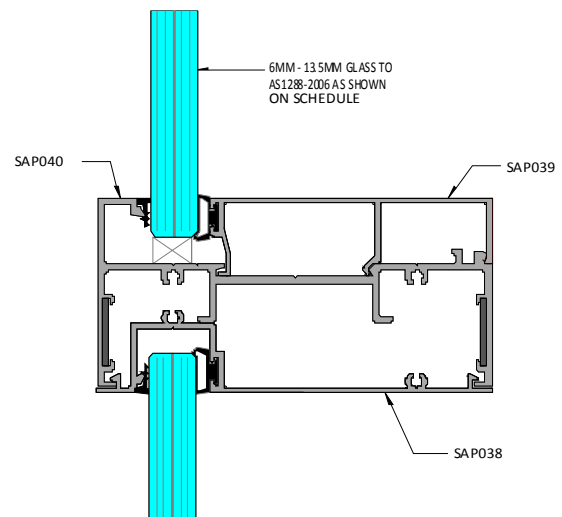


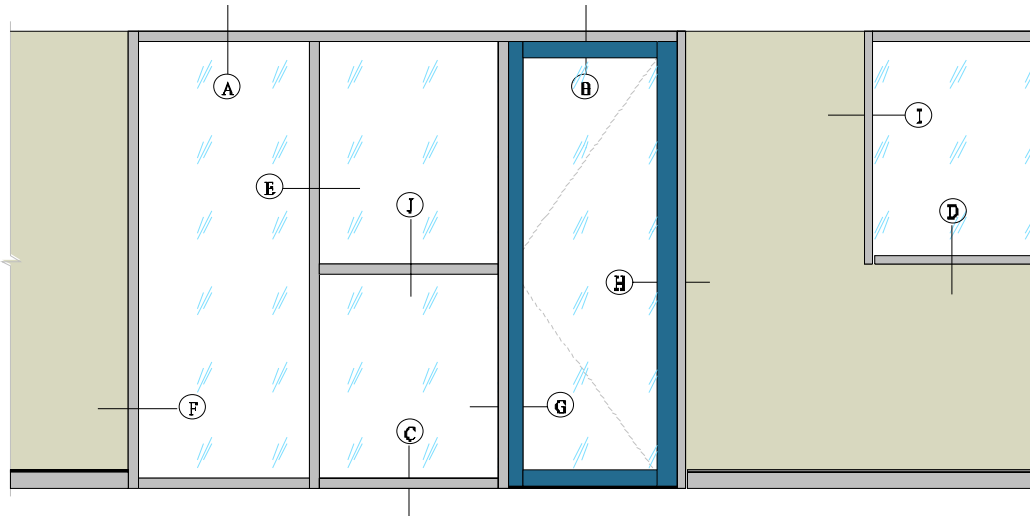
PLEASE NOTE : COMPLIES WITH AS1428.1:2009

Ⓘ GLAZED SOLID DETAIL

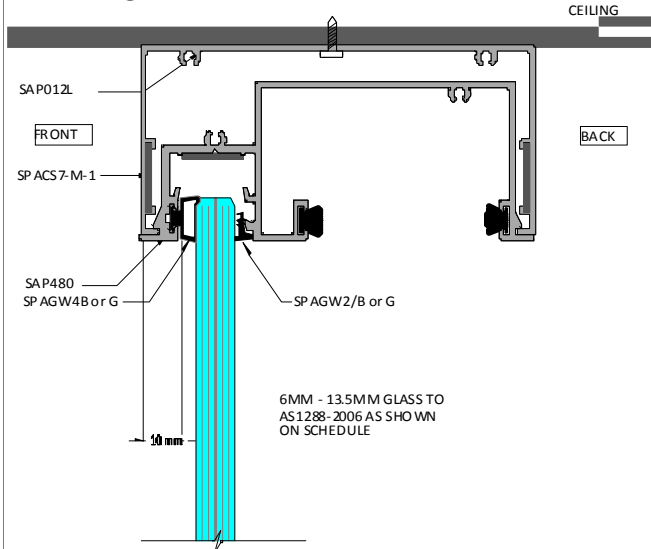


Ⓙ GLAZED TRANSOM DETAIL

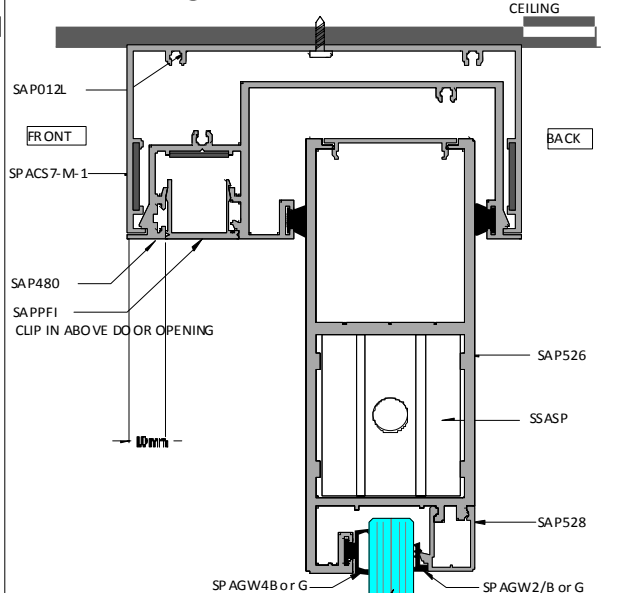




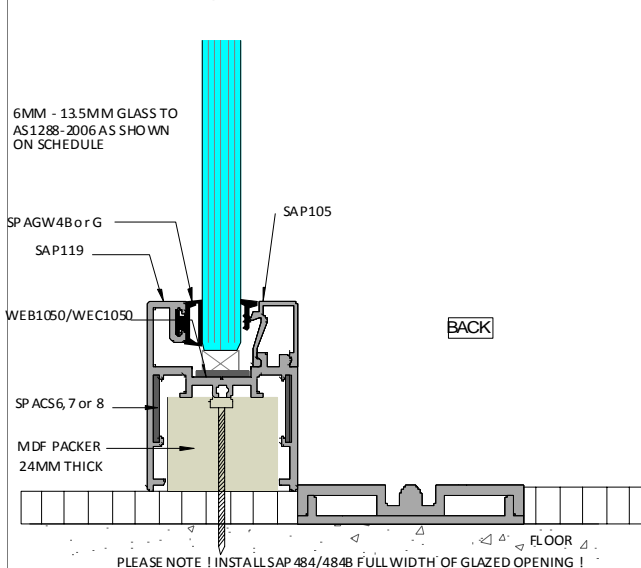
Ⓐ GLAZED HEAD SLIDING DETAIL



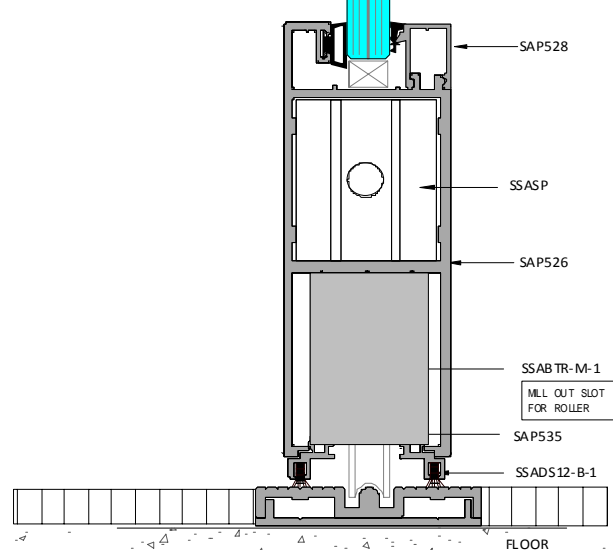
Ⓑ 115mm DOOR HEAD SLIDING DETAIL



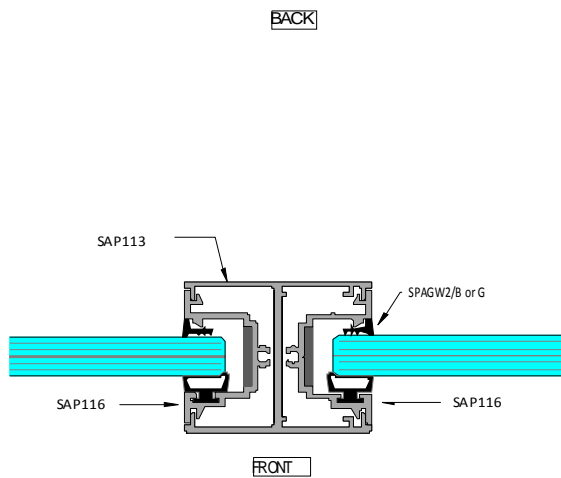
Ⓒ GLAZED SILL DETAIL



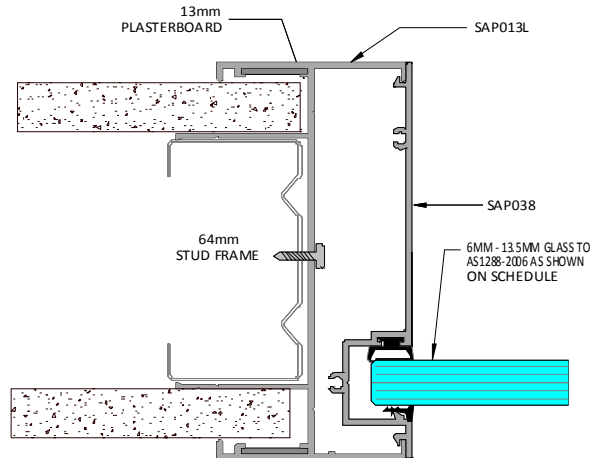
Ⓓ 115mm SLIDING DOOR FLOORTRACK DETAIL



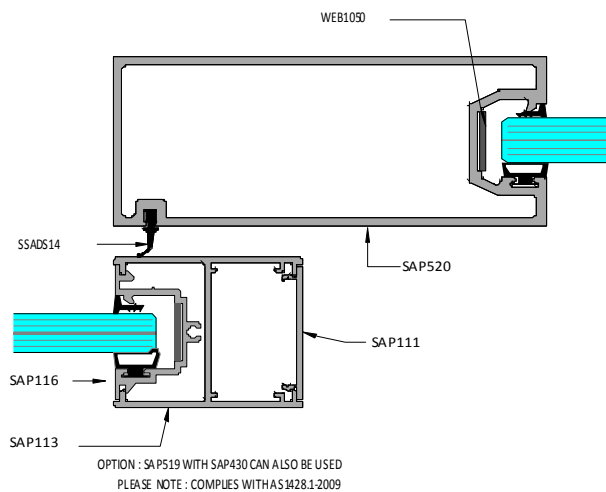
Ⓕ GLAZED MULLION DETAIL



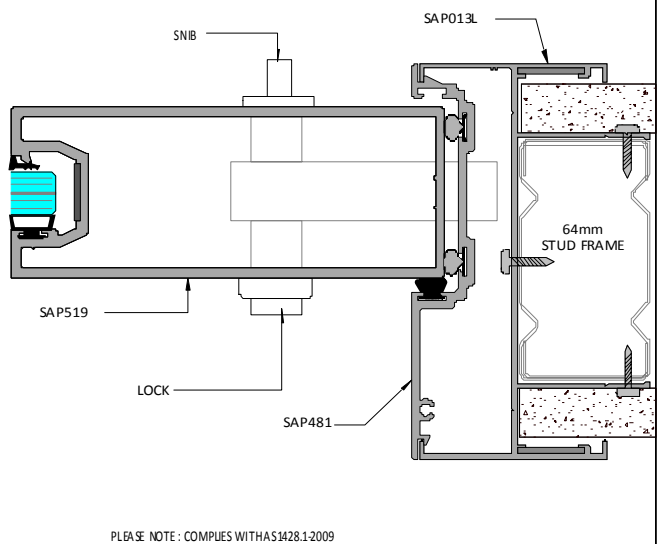
Ⓖ GLAZED WALL STARTER DETAIL



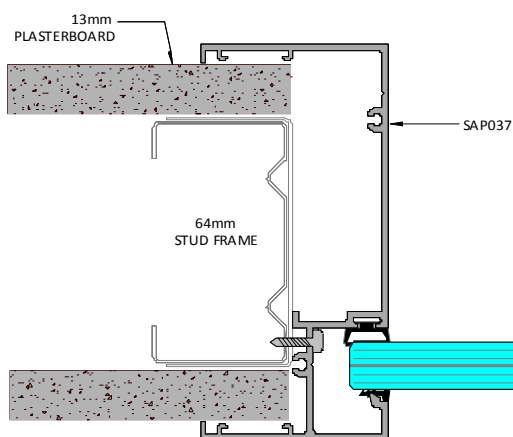
Ⓖ GLAZED MULLION/DOOR DETAIL



Ⓕ SOLID DOOR DETAIL

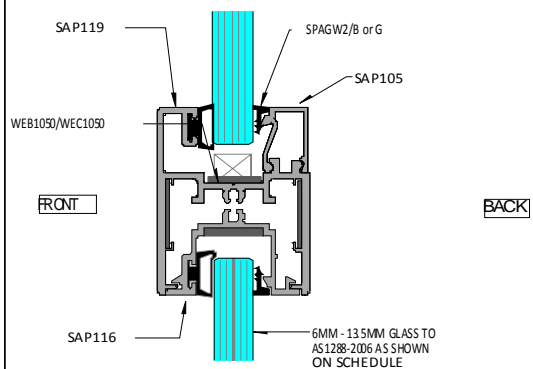


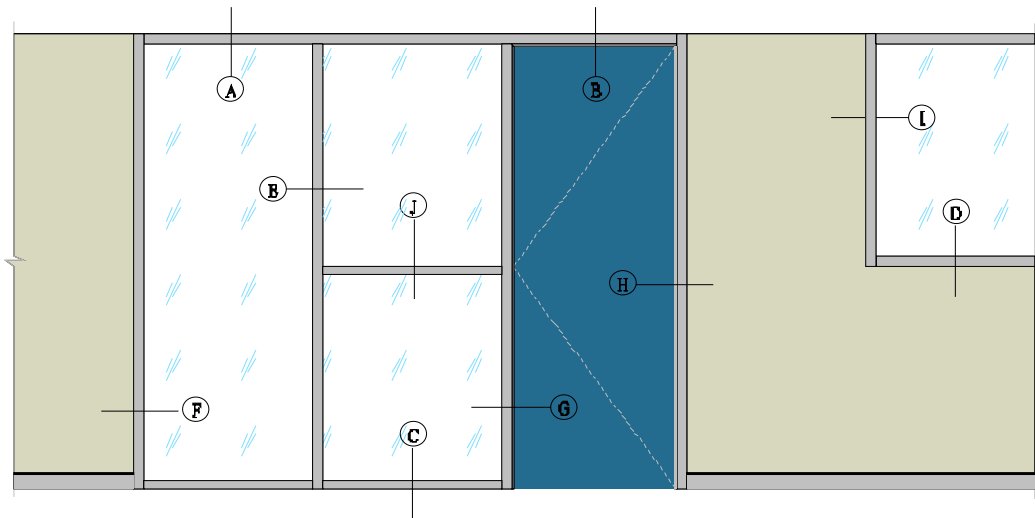
Ⓖ GLAZED SOLID DETAIL



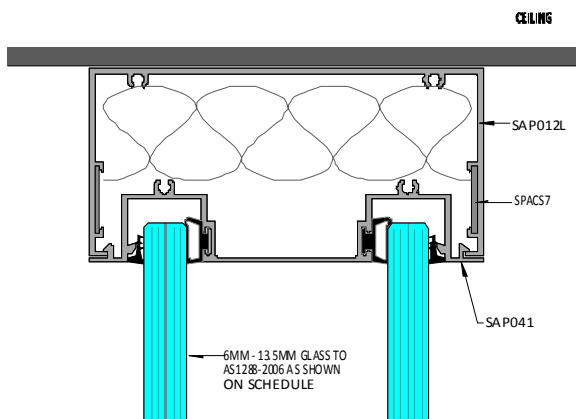
PLEASE NOTE : OPTION OF SAP013L / 038 CAN BE USED ALSO

Ⓖ GLAZED TRANSOM DETAIL

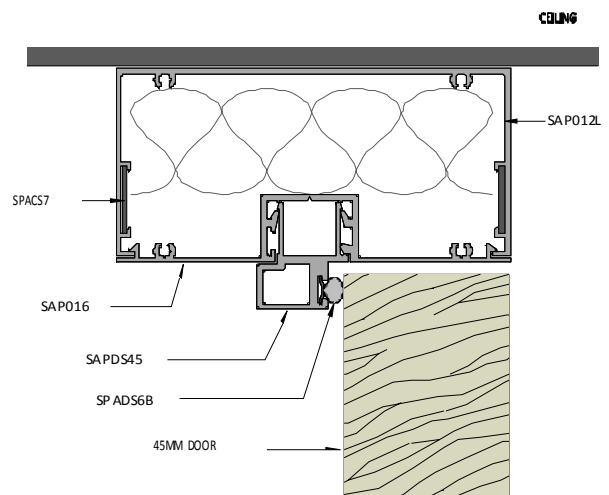




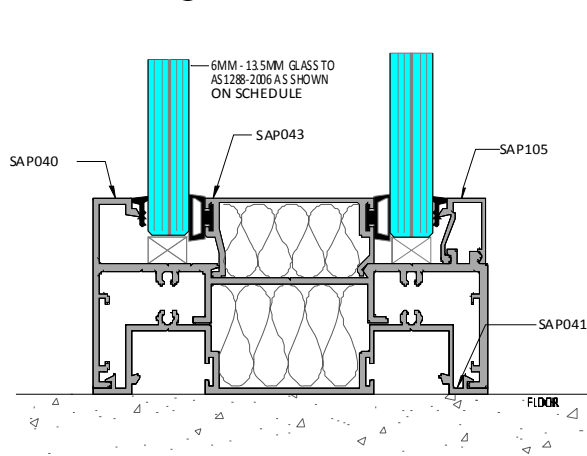
A GLAZED HEAD DETAIL



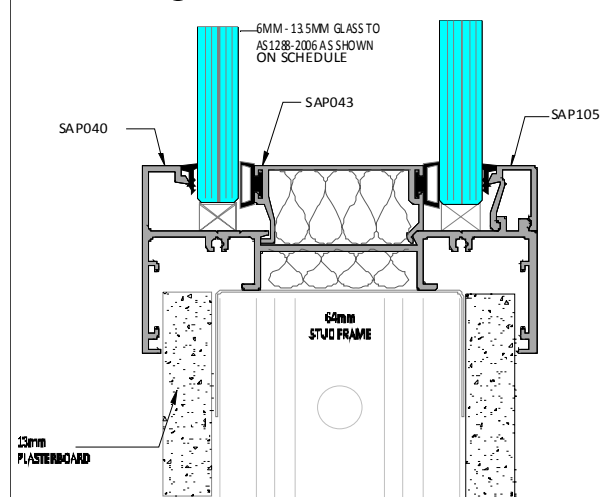
B DOOR HEAD DETAIL



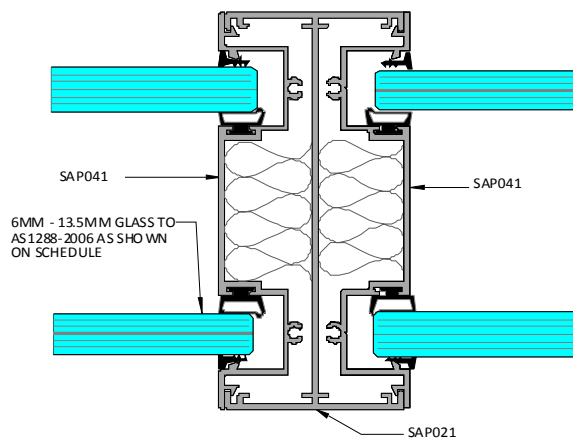
C GLAZED SILL DETAIL



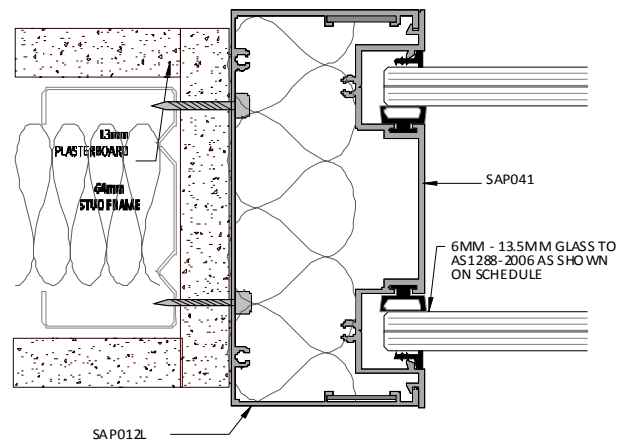
D GLAZED SILL/DADDO WALL DETAIL



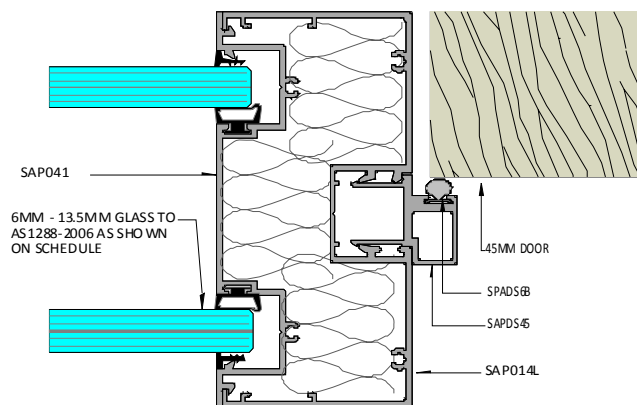
B GLAZED MULLION DETAIL



F GLAZED WALL STARTER DETAIL

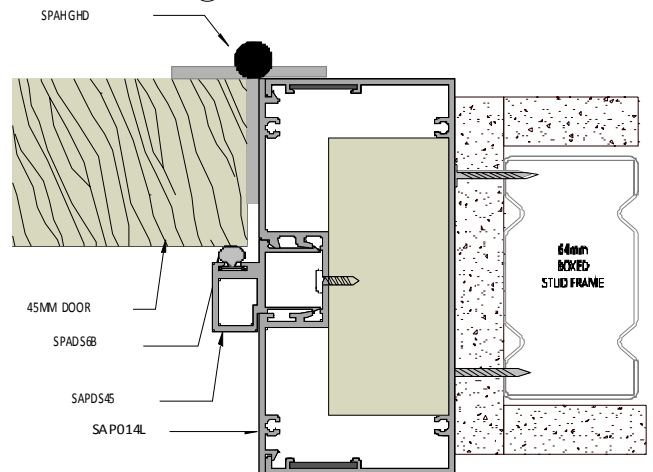


G GLAZED MULLION/DOOR DETAIL



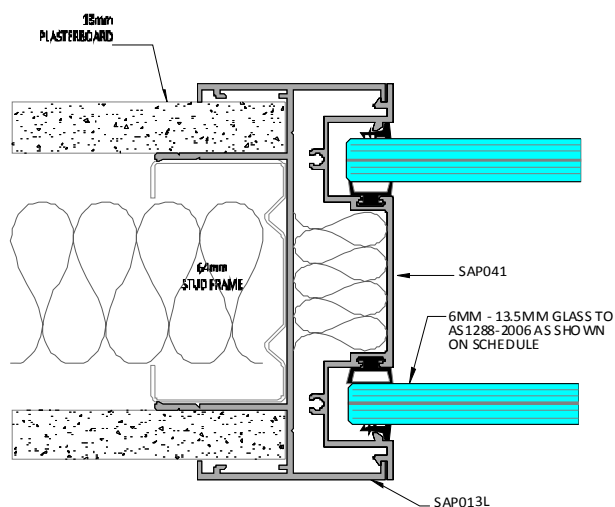
PLEASE NOTE: COMPLIES WITH AS1428.1-2009

H HINGE DOOR DETAIL

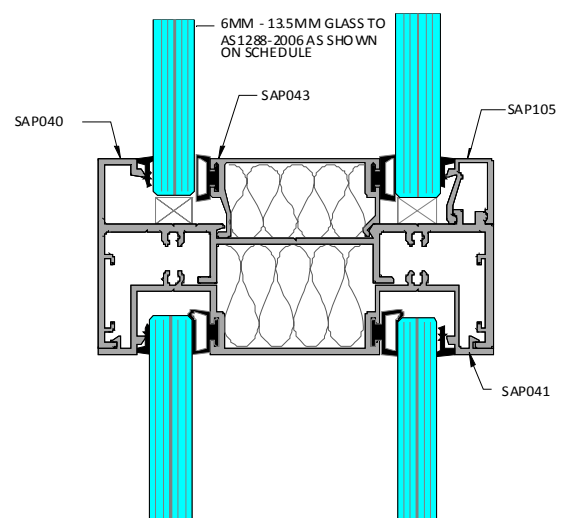


PLEASE NOTE: COMPLIES WITH AS1428.1-2009

I GLAZED WALL STARTER DETAIL



J GLAZED TRANSOM DETAIL





INTRODUCTION

The Sapphire 25mm Glazing Suite is primarily used for framing glass. It is a suite that can be adapted to a variety of uses such as double glazing with larger walls etc.

COMMON USE

Commercial Office Partitions

FRAME OPTIONS

25mm x 25mm

GLAZING OPTIONS

Single glazed 6mm - 12.38mm as per AS1288-2006

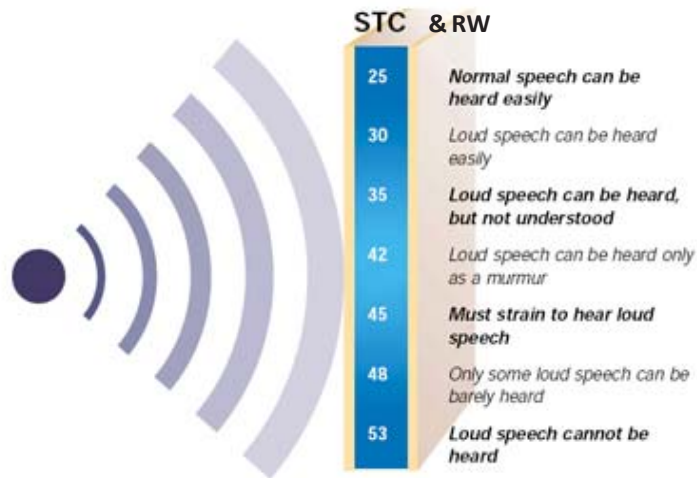
DOOR OPTIONS

HINGED - Timber or Glass Doors 32mm - 50mm in thickness

SLIDING - Timber or Sapphire Shooshline Doors 45mm in thickness

PLASTERBOARD OPTIONS

Various as this is a glass framing system it can be used in conjunction with standard set plasterboard walls or any of the other available Sapphire Partition Suites.



ACOUSTIC PERFORMANCE

WALLS

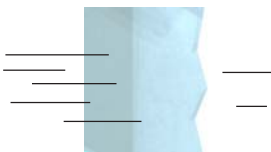
The 25mm Glazing Suite may be fixed to walls of any thickness or combined with other Sapphire Parttition Suites



Refer to wall specification used

GLASS

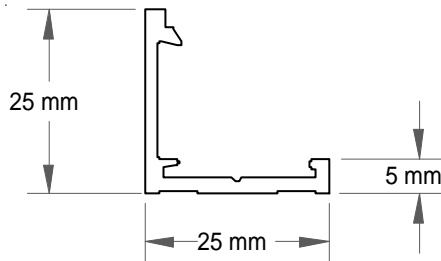
The 25mm Glazing Suite will accommodate single glazing from **6mm - 12.38mm**.



33 - 37 dB STC

Please Note !

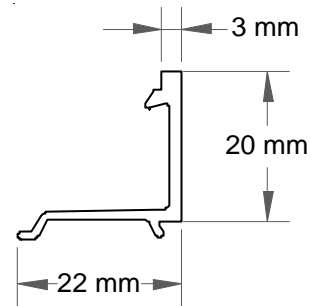
The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of Rw and Rw+Ctr. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.



SAP044

25MM GLAZING CHANNEL SILL

MASS = .292 Kg/M PER = 118mm



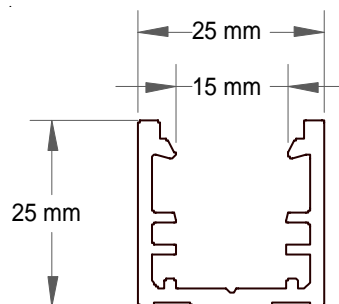
SAP045

25MM GLAZING CHANNEL BEAD

MASS = .192 Kg/M PER = 100mm

SAP044 and SAP045 snap together to form a 25mm x 25mm Glazing channel when a fine glazing look is required for commercial or industrial applications. Sapphire Glazing Channels accept glass thickness from 6mm - 12.38mm using our standard glazing wedges as per AS1288-2006.

SAP044 and SAP045 are usually installed on the head or side to enable installation of the bead after the glass is installed. SAP044 and SAP045 are available in 2.8 metre and 3.6 metre lengths.



SAP047

25MM GLAZING CHANNEL FRAME

MASS = .435 Kg/M PER = 133mm

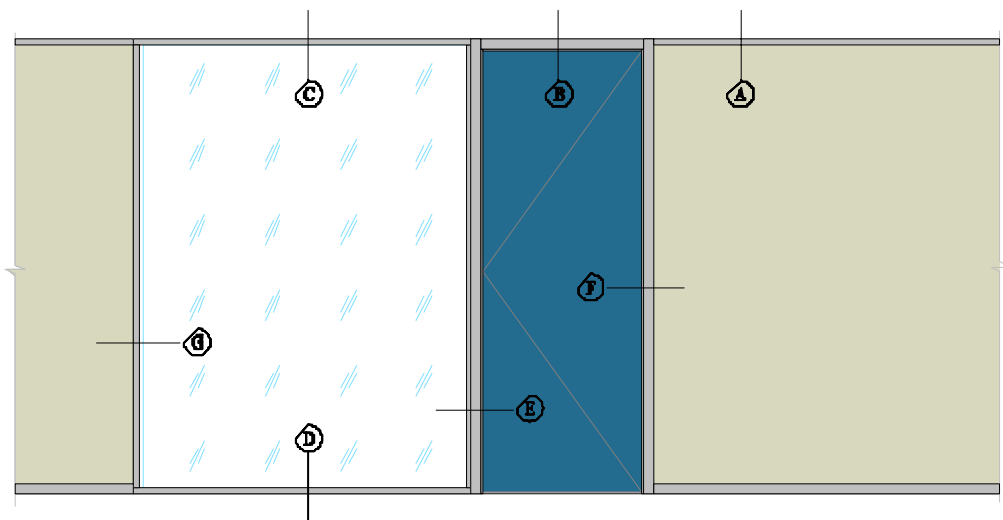
SAP047 is a solid 25mm x 25mm Glazing Channel/Door, when a fine glazing look is required for commercial or industrial applications. It can also be used for a hinged door on Sapphire Maxline Suites for double glazing to access venetian blinds and for cleaning.

Sapphire Glazing Channels accept glass thickness from 6mm - 12.38mm using our standard glazing wedges as per AS1288-2006.

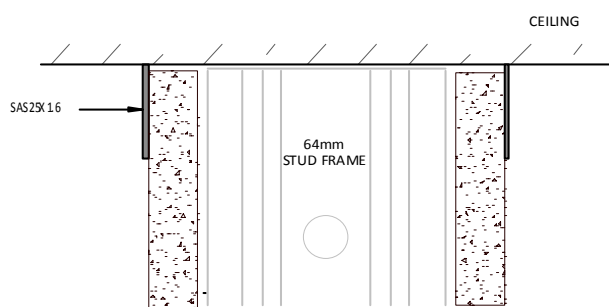
SAP047 is usually installed on the base and sides. It is mitre cut and installed on all four sides for a door.

SAP047 accepts SAP023 and corner stake.

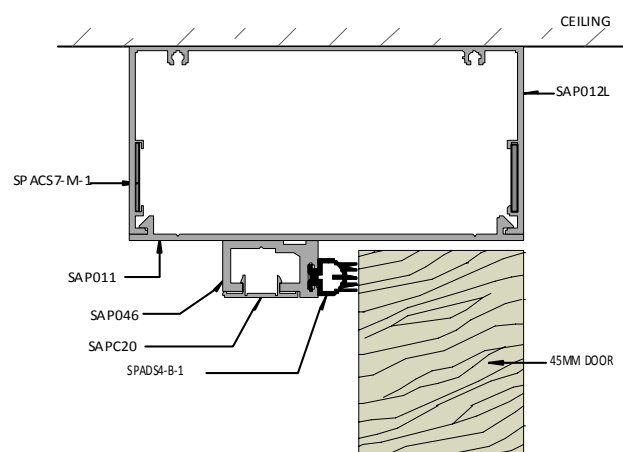
SAP047 is available in 2.8 metre and 3.6 metre lengths.



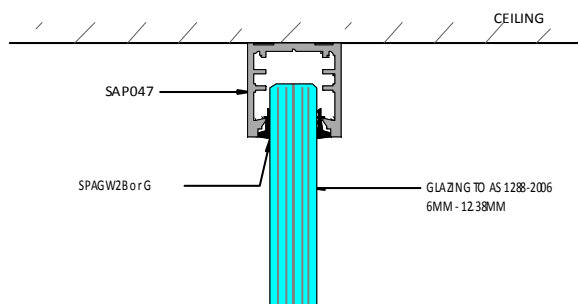
A SOLID HEAD DETAIL



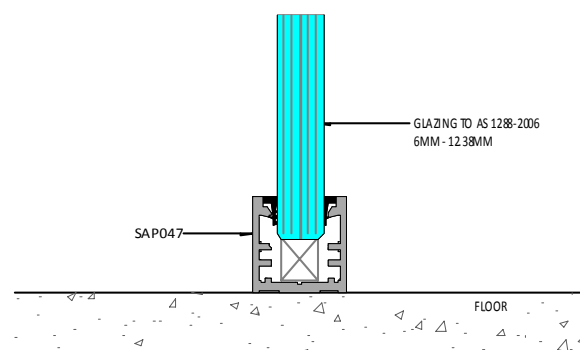
B DOOR HEAD DETAIL



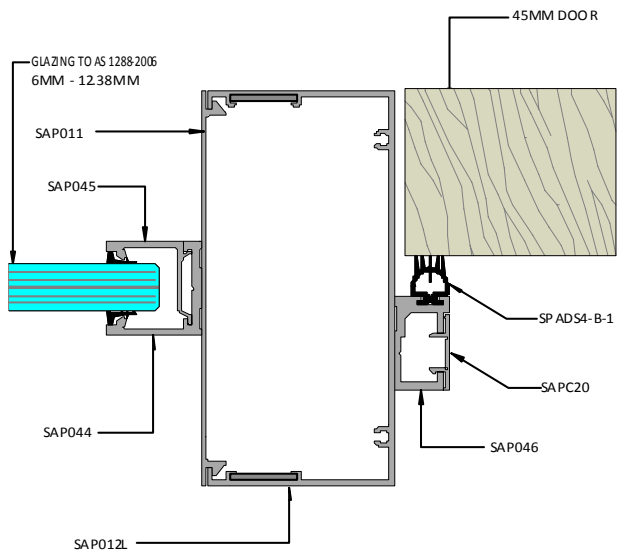
C GLAZED HEAD DETAIL



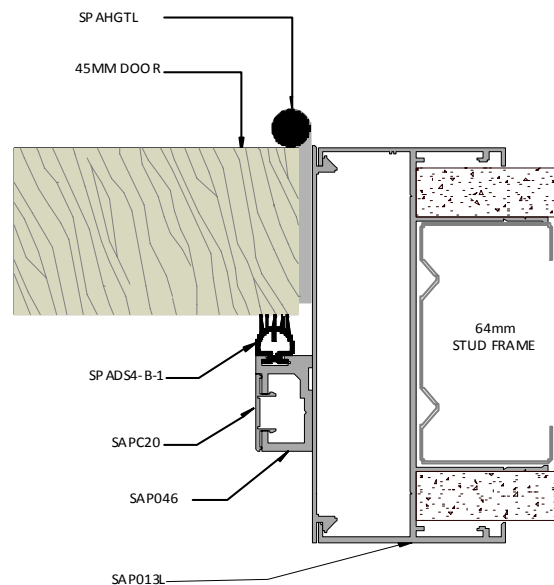
D GLAZED SILL DETAIL



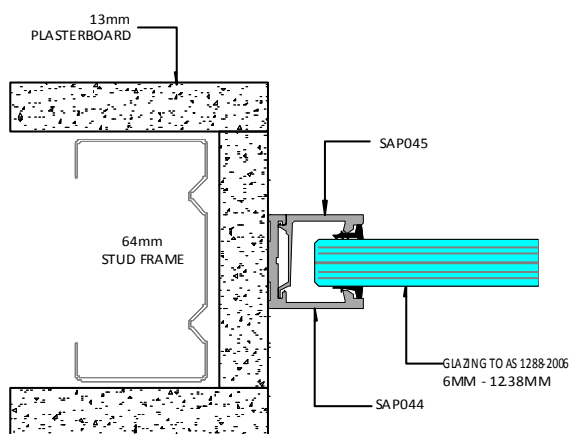
ⓑ GLAZED MULLION/DOOR DETAIL

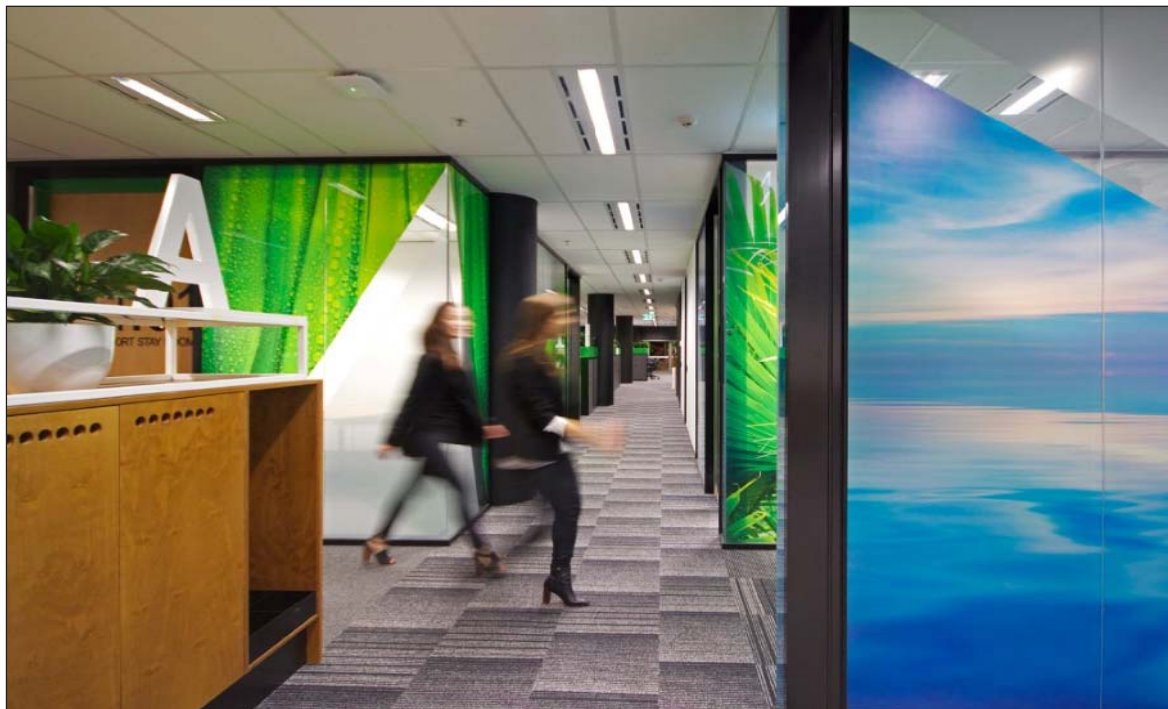


ⓕ DOOR FRAME DETAIL



ⓐ GLAZED MULLION DETAIL





INTRODUCTION

76mm Maxline is designed for institutions where performance and longevity are required for a rigorous service life. Maxline is designed to be stronger to meet these needs as well as accommodating 76mm Steel Studs. The system will accommodate steel mesh or fibre cement board behind the plasterboard where security and strength is a requirement.

COMMON USE

Commercial Office Partitions, Schools, Universities and Government

FRAME OPTIONS

STANDARD detail - 116mm x 45mm

GLAZING OPTIONS

Single glazed	6mm - 14.50mm as per AS1288-2006
Front glazed	6mm - 14.50mm as per AS1288-2006
Double glazed	6mm - 14.50mm as per AS1288-2006

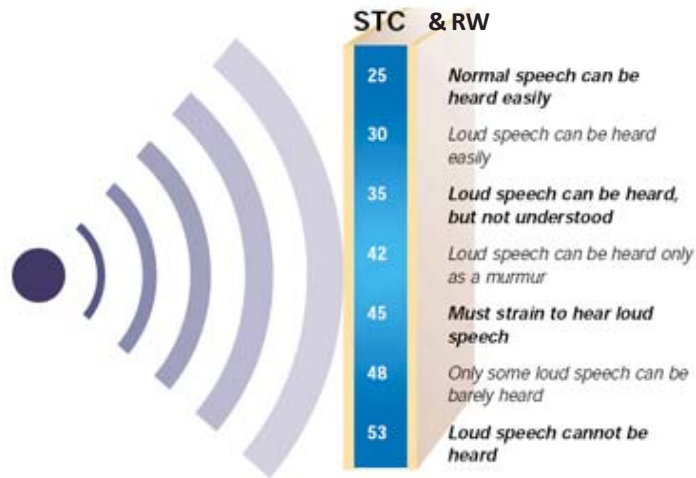
DOOR OPTIONS

HINGED	-	Timber 32mm - 50mm in thickness
HINGED	-	Sapphire Shooshline Door 45mm in thickness
SLIDING	-	Timber or Sapphire Shooshline Door 45mm in thickness

PLASTERBOARD OPTIONS

76mm Steel Studs and two sheets of 13mm plasterboard
 64mm Steel Studs and three sheets of 13mm plasterboard.
 64mm Steel Studs and two sheets of 13mm, one sheet of 10mm plasterboard with 1 sheet of 3mm Stainless or Steel Sheet.
 51mm Steel Studs and four sheets of 13mm plasterboard.

Shadowline details optional
 Drywall construction optional (Semi-Demountable)



ACOUSTIC PERFORMANCE

WALLS

The 76mm Maxline suite will accommodate walls constructed with the following

76mm Steel Studs and **two** sheets of 13mm plasterboard

64mm Steel Studs and **Three** sheets of 13mm plasterboard.

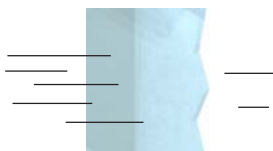
51mm Steel Studs and **four** sheets of 13mm plasterboard.



37/30 - 54/46 expressed as $R_w - R_w + C_{tr}$

GLASS

The 76mm Maxline Suite will accommodate from **6mm - 14.50mm**.



CENTRE	33RW	-	40RW		
FRONT	33RW	-	40RW		
DOUBLE	48RW	10.38mm	&	10.50 Hush	
DOUBLE	49RW	10.50mm Hush	&	10.50 Hush	
DOUBLE	50RW	10.50mm Hush	&	12.50 Hush	

SPECIFICATION

The Sapphire 76mm Maxline Suite of sections have been developed with over 25 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire 76mm Maxline Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be 76mm Maxline by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

STANDARD FRAME - 44mm

The maximum panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for 76mm Maxline® Partition Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire 76mm Maxline Partition Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire 76mm Maxline Partition Suite** as it may cause scratching or damage to the coated surface.

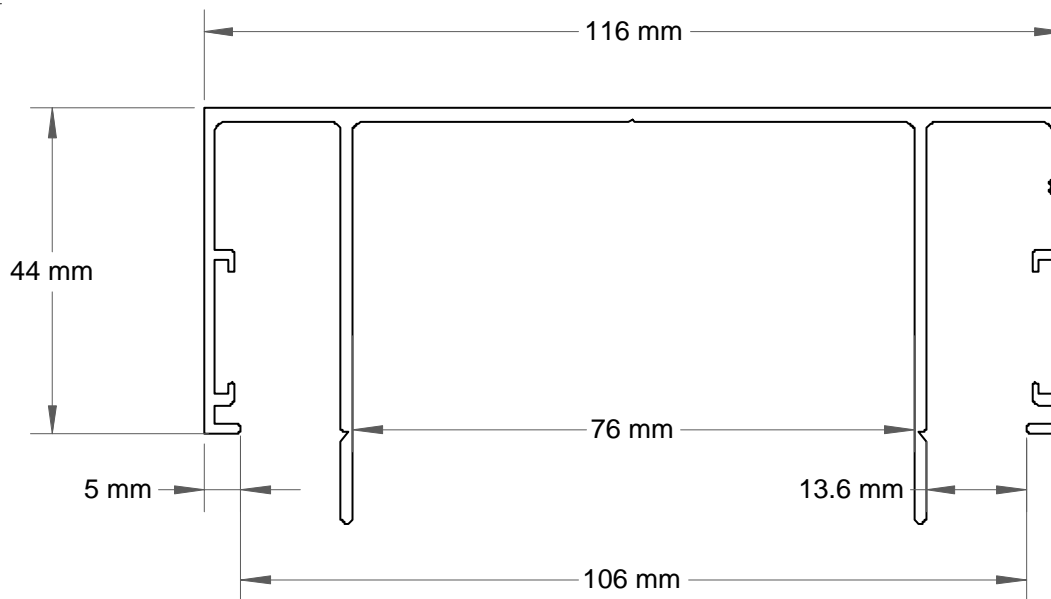
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



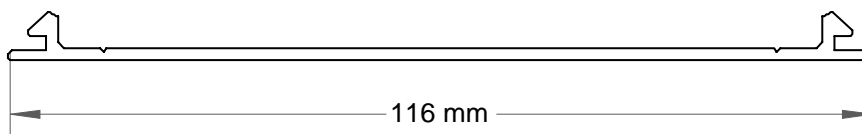
SAP210L
76MM LARGE CAPPING HEAD / FRAME
 MASS = 1.429 Kg/M PER = 660mm

SAP210L is used as a complete prefinished head track, wall starter, and capping for door reveals and dwarf walls. It is used on both vertical and horizontal planes and accepts 76mm standard steel studs and 13mm wallboard. It is commonly used when speed is essential as it is possible when using this system to build high quality partition walls without involving the wet trades as all raw edges are capped and protected. The inner legs of this section snap off to allow fitment of other sections.

SAP210L accepts SAP211, SAP216

SAP210L accepts SPACS3,6,7&8.

SAP210L is available in 2.8 metre and 3.6 metre lengths.

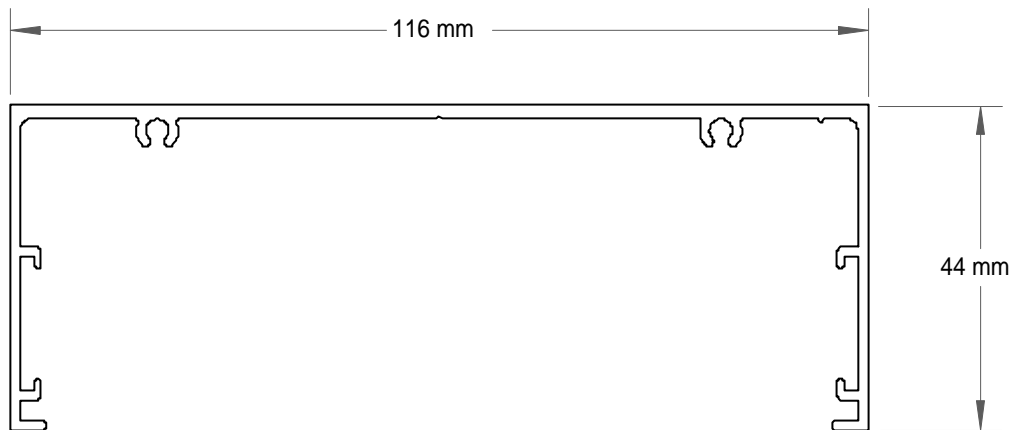


SAP211
SNAP IN FLUSH PANEL
 MASS = .547 Kg/M PER = 292mm

SAP211 has a smooth surface allowing any section to be fitted anywhere on the 117mm face, particularly suitable for offset glazing with SAP036/34 to allow the inclusion of blinds or curtains fitted behind the glass but within the outer frame. It is also suitable for double glazing using two SAP036/34's. This is also primarily used where the frame is fixed to a Customwood packer and SAP211 serves as the wall starter.

SAP211 snaps into SAP210L, SAP212L, SAP214L, SAP219L, SAP224D & SAP240

SAP211 is available in 2.8 & 3.6 metre lengths.



SAP212L

64MM LARGE CAPPING HEAD / FRAME

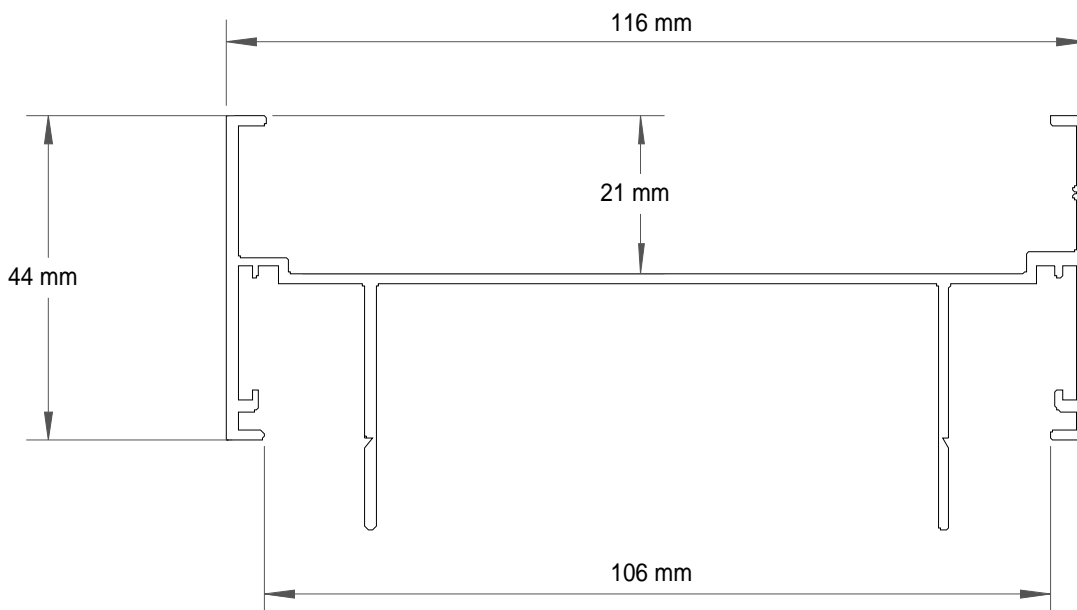
MASS = .922 Kg/M PER = 447mm

SAP212L is used as a complete prefinished 44mm head track, wallstarter and capping for door reveals, overhead closers and glazing. The section features no inner legs which allows SAP211 to be fitted giving a surface on which our door or glazing frames can be mounted. It is also commonly used with our range of wideline & Frontline pocket glazing sections to form either wide or narrow mullions for glazing or door frames with the added feature of screw flutes to help align vertical and horizontal joints.

SAP212L accepts SAP211, SAP216, SAP241.

SAP212L accepts joining stakes (SPACS6, 7, 8).

SAP212L is available in 2.8 metre and 3.6 metre lengths.



SAP213

76MM MULTI CAPPING HEAD / FRAME

MASS = .936 Kg/M PER = 498mm

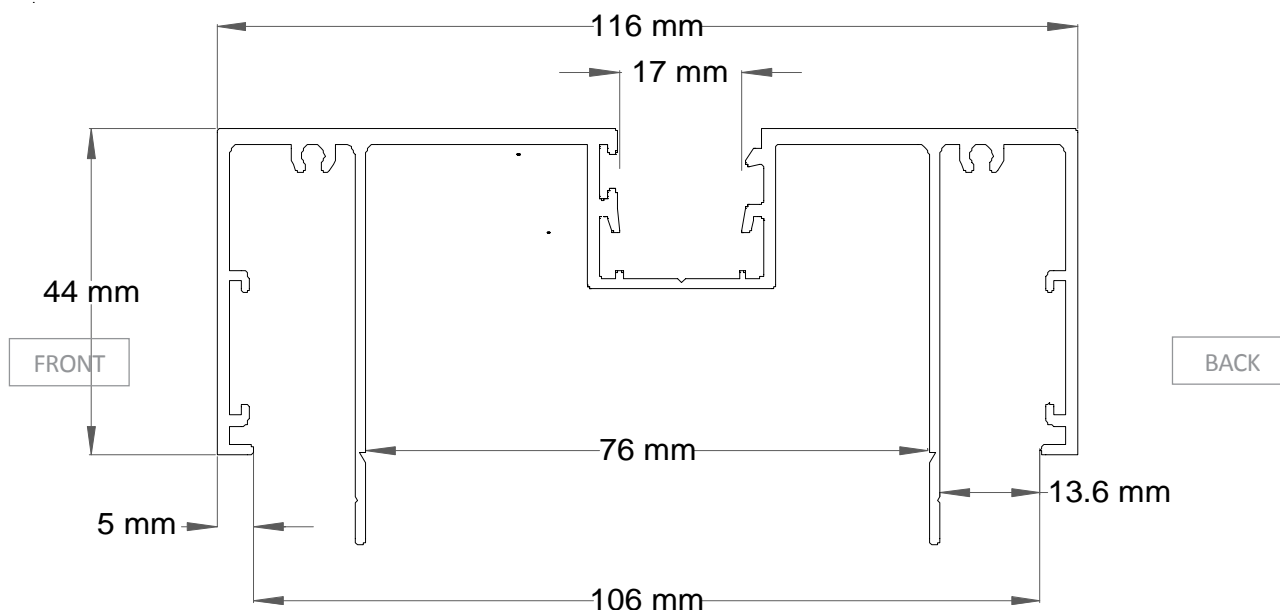
SAP213 is used as a complete 44mm prefinished head track, wall starter and capping for door reveals and glazing where the wall needs to be encapsulated. It is ideal where plaster is run over head to the ceiling allowing for multiple snap ins to be used along the length.

The section has no inner legs on one side allowing for a wide range of our snap in sections to be fitted for single, front or double glazing.

SAP213 accepts SAP211, SAP016, SAP238 & SAP241

SAP213 accepts joining stakes (SPACS6, 7, 8).

SAP213 is available in 2.8 metre and 3.6 metre lengths.



SAP214L
76MM MAXLINE LARGE POCKET FRAME/MULLION
 MASS = 1.775 Kg/M PER = 803mm

This section forms the basis of our 76mm Maxline Large pocket glazing and door frame system. SAP214L also accepts 76mm standard steel studs and 13mm wallboard.

SAP214L will accept SAP211 & SAP216

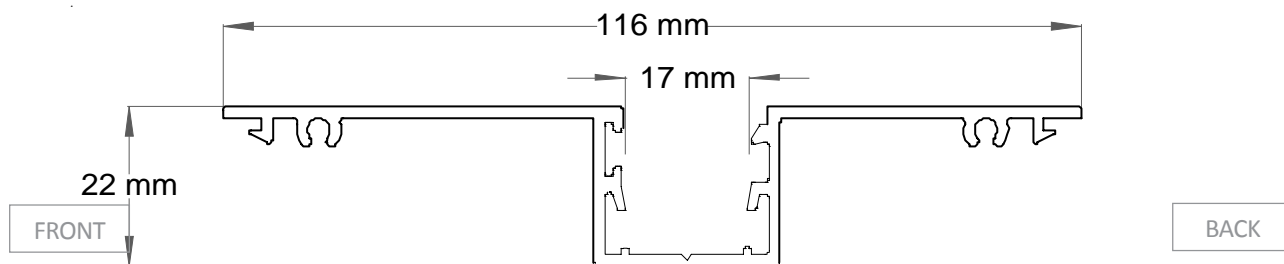
SAP214L accepts clip in dorrstops SAPDS35, DS40, DS45 and clip in flushfiller SAPPFI

SAP214L will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

SAP214L accepts SPACS6,7,8 & Zenith WEB1050 pre drilled angle bracket

SAP214L is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! SAP214L must be installed with slide wedge groove to the front for Door stop to function



SAP216
76MM MAXLINE SNAP IN POCKET
 MASS = .858 Kg/M PER = 375mm

This section is a flat pocket glazing cover designed to be used with SAP214L or SAP219L to form 116mm wide single sided glazing mullion/transom or frame.

SAP216 snaps into SAP210L, SAP212L, SAP213, SAP214L, SAP219L, SAP224D & SAP240

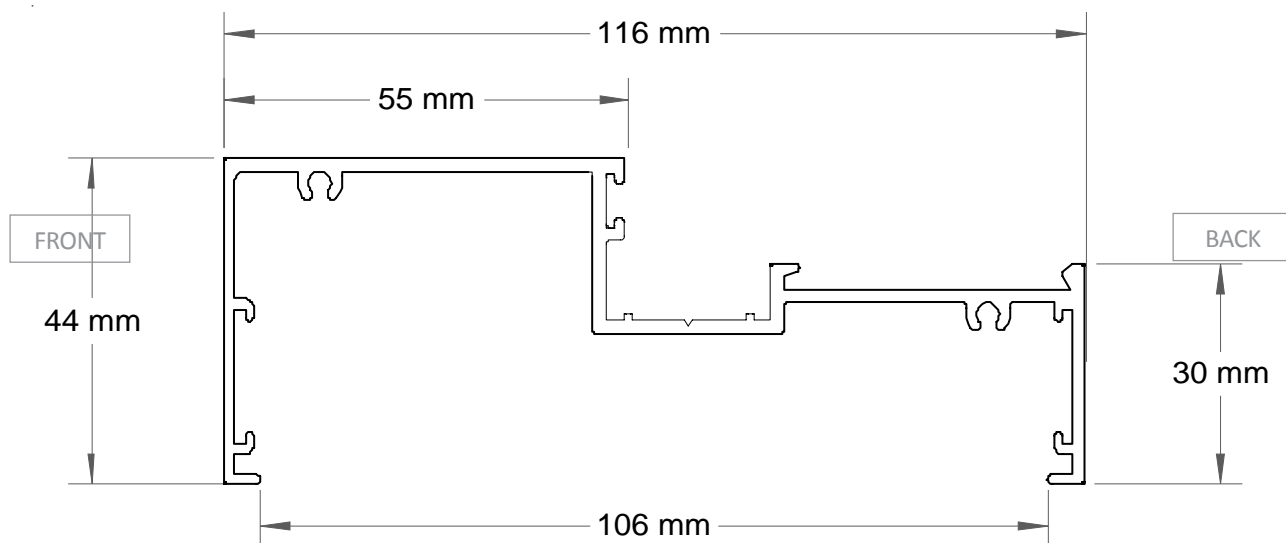
SAP216 also accepts glass from 6mm to 14.50mm in thickness as per AS1288 - 2006.

SAP216 accepts SAPDS35, DS40, DS45 & SAPPFI also snap in.

SAP216 accepts SPACS6,7,8 & Zenith WEB1050 pre drilled angle bracket

SAP216 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE ! SAP216 must be installed with slide wedge groove to the front for Door stop to function



SAP219L

76mm MAXLINE LARGE GLAZING SILL/TRANSOM

MASS = 1.134 Kg/M PER = 493mm

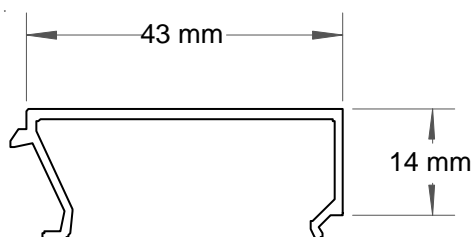
This section has been developed for designs that require multiple horizontal panels of glass to be installed. SAP219L has been designed with a heavier wall thickness to cope with glass thicknesses up to 14.50mm.

SAP219L accepts glass from 6mm - 14.50mm in thickness as per AS1288 - 2006.

SAP219L accepts SAP211, SAP022, SAP216 & SAP241

SAP219L accepts SPACS3,6,7 & 8.

SAP219L is available in 2.8 metre and 3.6 metre lengths.

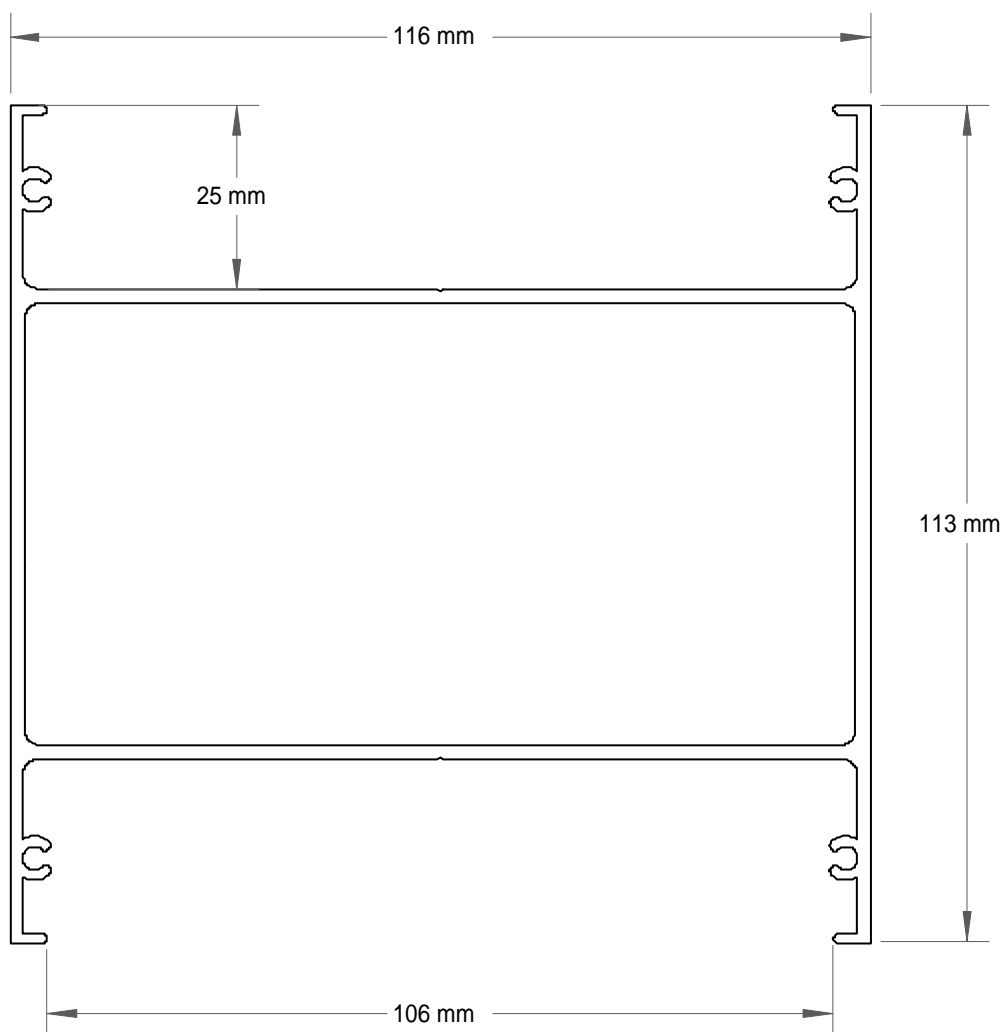


SAP022

WIDELINE SILL/TRANSOM BEAD

MASS = .287 Kg/M PER = 173mm

SAP022 clips into SAP019L, SAP019M, SAP219L to form a complete glazing sill/ transoms
SAP022 is available in 2.8 & 3.6 metre lengths.

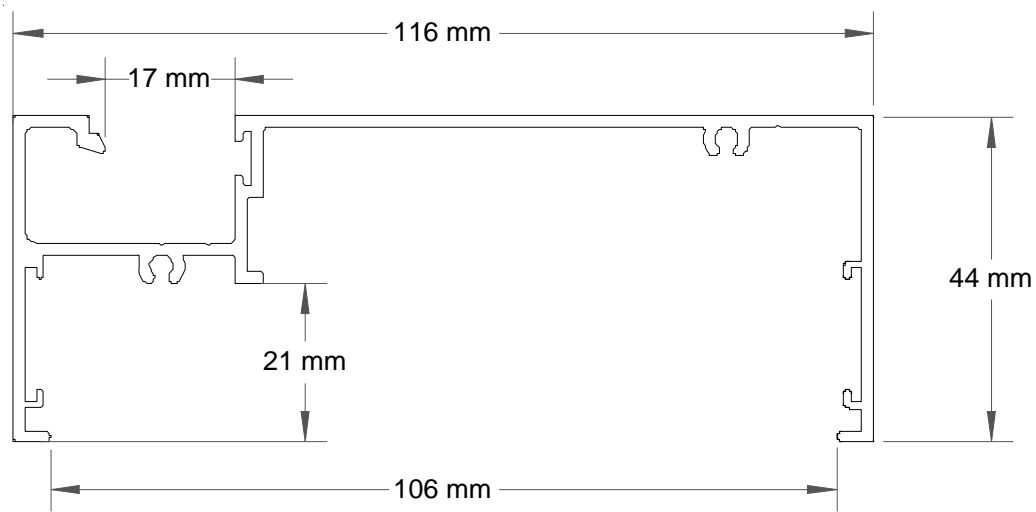


SAP224D
MAXLINE 116 x 113 2 WAY POST
 MASS = 2.565 Kg/M PER = 637mm

This section has been developed for designs that require a solid 116mm square aluminium post capable of being glazed in up to two directions, centre, frontline or double glazed or accommodating doors up to 50mm in thickness. SAP224D may also be used as a power pole.

SAP224D accepts SAP211, SAP216 & SAP241

SAP224D is available in 2.8 metre and 3.6 metre lengths.



SAP237

FRONTLINE POCKET CAPPING

MASS = 1.201 Kg/M PER = 546mm

This section has been developed to enable 50mm frontline glazing from a capped 64mm steel stud wall with 13mm plasterboard. It is compatible with Sapphire's wideline sections as it has a flat face of 105mm being the standard width of all Sapphire Wideline & Frontline sections. When used in conjunction with SAP038 it forms an offset mullion capable of being glazed on both sides forming a thickness of 50mm.

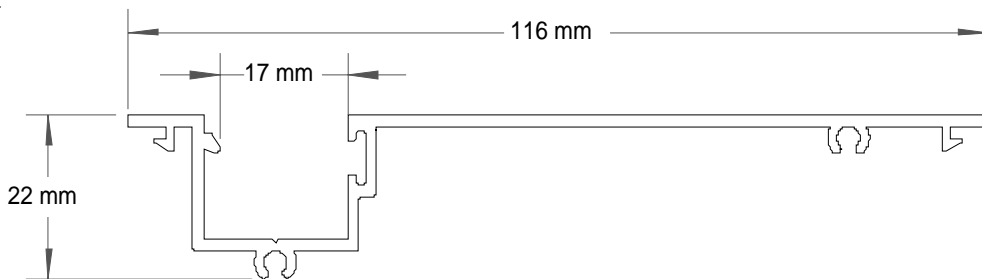
SAP237 accepts SAP211, SAP216, SAP238 & SAP241.

SAP237 accepts SPACS3,6,7&8.

SAP237 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP237 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP237



SAP238

FRONTLINE SNAP IN POCKET

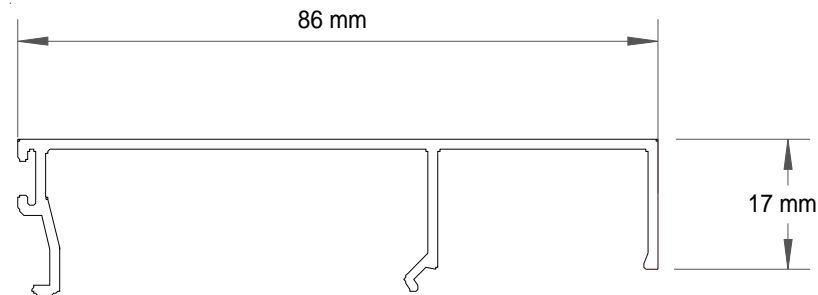
MASS = .732 Kg/M PER = 360mm

This section is a flat pocket glazing cover designed to be used with SAP212L, SAP214L, SAP219L, SAP019M, SAP224D, SAP237, SAP239 & SAP240 to form 116mm wide single sided offset glazing mullion or frame.

SAP238 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP238 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP238



SAP239

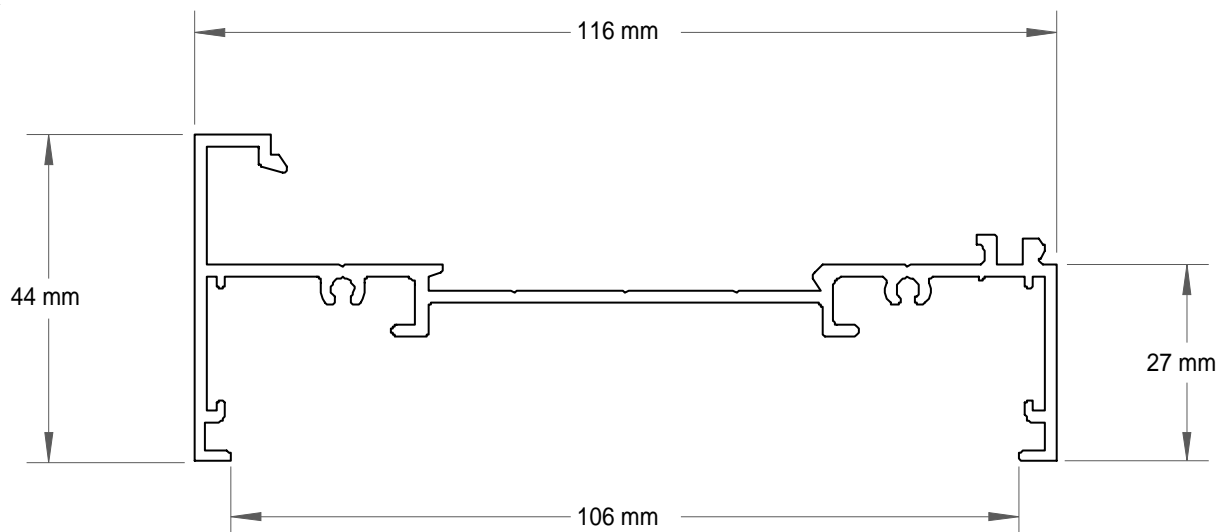
MAXLINE FRONT GLAZE BEAD

MASS = 1.312Kg/M PER = 545mm

This section has been to clip into SAP240 to enable frontline glazing for 76mm Stud Walls.

SAP239 clips into SAP240

SAP239 is available in 2.8 metre and 3.6 metre lengths.



SAP240

MAXLINE DOUBLE GLAZE SILL/MULLION/TRANSOM

MASS = 1.125 Kg/M PER = 490mm

This section has been developed to enable double frontline glazing for 76mm Stud Walls. SAP240 features security with the front side being fixed it cannot be deglazed unless it is done from the back of the section. It is compatible with Sapphire's 76mm Maxline sections as it has a flat face of 117mm being the standard width of all Sapphire Maxline sections.

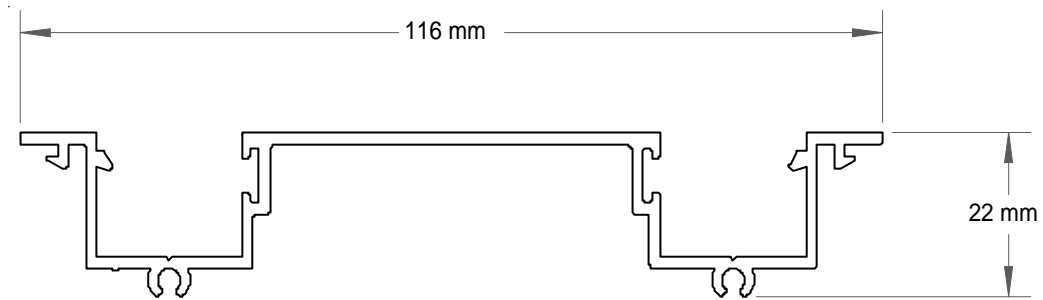
SAP240 also can be used with recessed venetian blinds or screens as it can be adapted to have hinged access door on the back utilising SAP047 giving even more options.

SAP240 accepts SAP105, SAP211, SAP216, SAP241, SAP243

SAP240 accepts glass from 6mm - 14.50mm in thickness as per AS1288 - 2006.

SAP240 accepts SPACS3,6,7& 8.

SAP240 is available in 2.8 metre and 3.6 metre lengths.



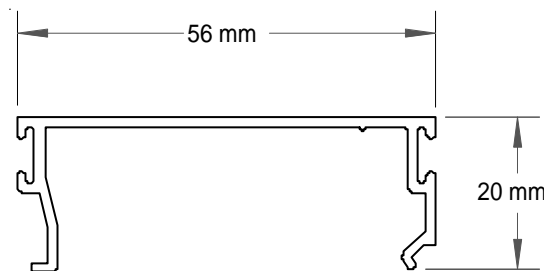
SAP241
MAXLINE DOUBLE GLAZE SNAP IN POCKET
 MASS = 0.805Kg/M PER = 440mm

This section is a flat double pocket glazing cover designed to be used with SAP219L, SAP224D, SAP212L & SAP240 to form 116mm wide double glazing mullion or frame.

SAP241 also accepts glass from 6mm to 14.50mm in thickness as per AS1288 - 2006.

SAP241 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP241



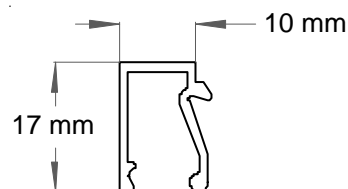
SAP243
MAXLINE DOUBLE GLAZE CAP
 MASS = .410 Kg/M PER = 220mm

This section is a double glaze cap designed to be used with SAP240 and installed after the front panel of glass has been installed and prior to the rear panel of glass being installed.

SAP243 also accepts glass from 6mm to 14.50mm in thickness as per AS1288 - 2006.

SAP243 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP243

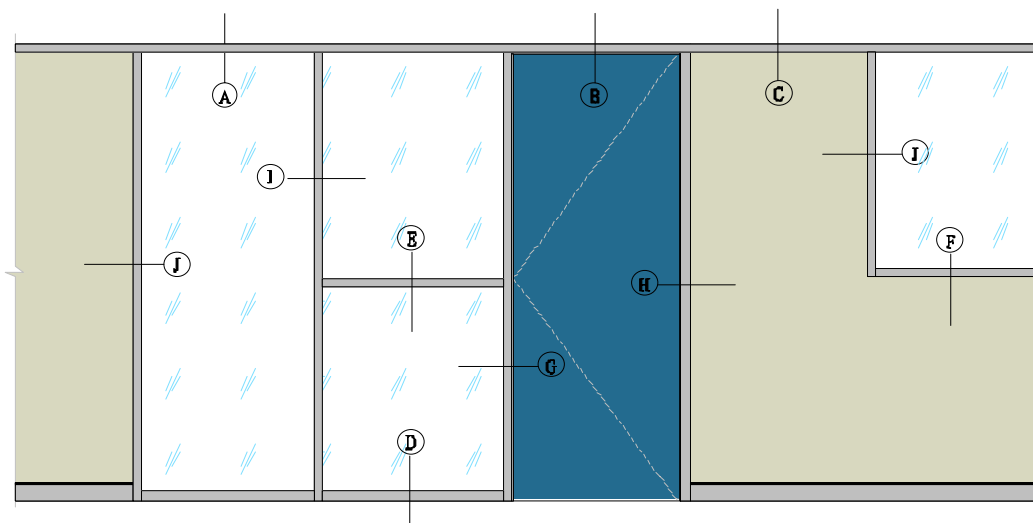


SAP105
FRONTLINE GLAZING BEAD
 MASS = .166 Kg/M PER = 100mm

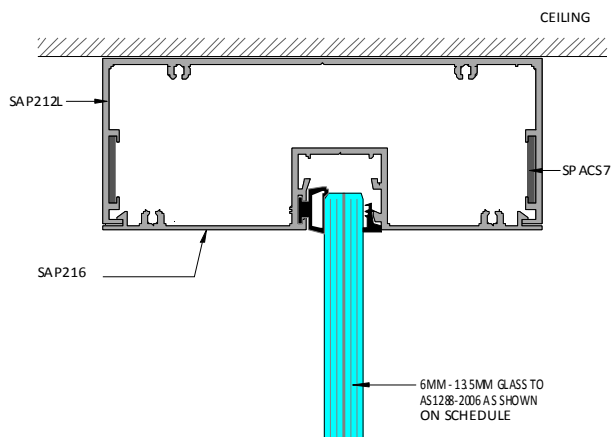
SAP105 is designed as a glazing bead to enable frontline glazing as well as double glazing when clipped into Frontline, Microline & Maxline frames.

SAP105 clips into SAP104, SAP033, SAP040, SAP240 & SAP340

SAP105 is available in 2.8 metre and 3.6 metre lengths.

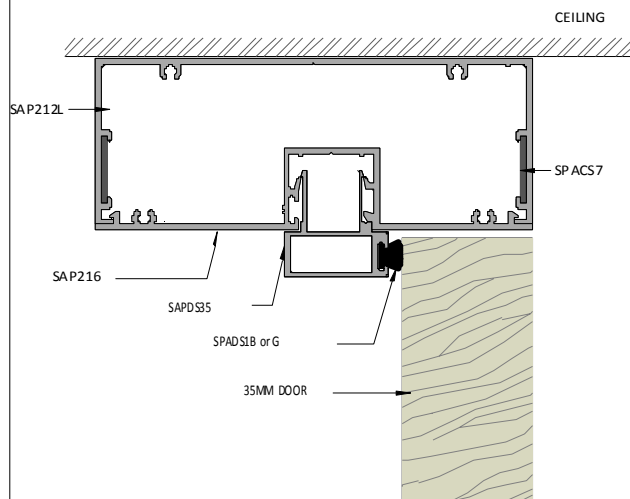


A GLAZED HEAD DETAIL



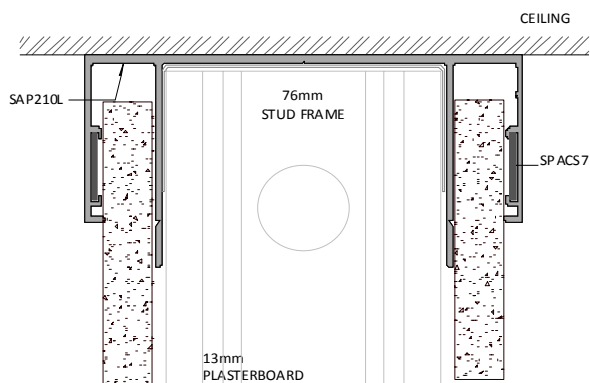
PLEASE NOTE:
SAP210L CAN ALSO BE USED

B DOOR HEAD DETAIL

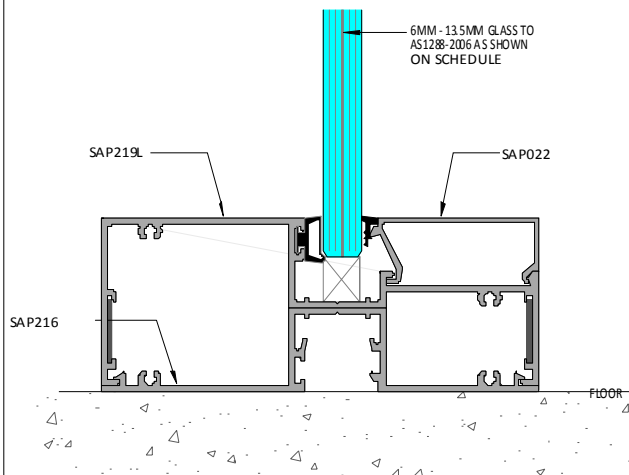


PLEASE NOTE:
SAP212L CAN ALSO BE USED

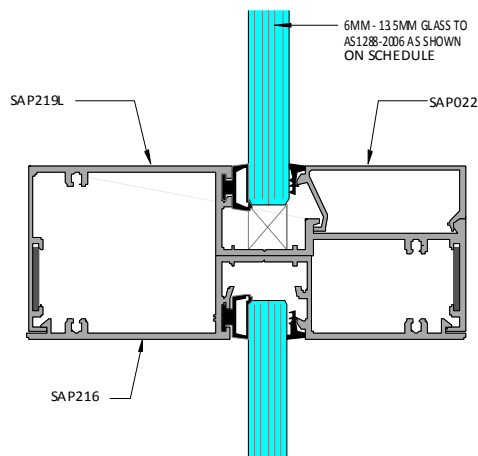
C SOLID HEAD DETAIL



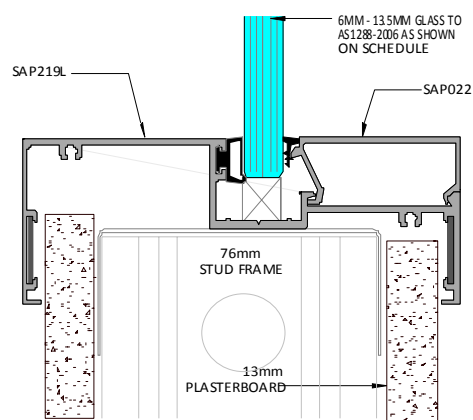
D GLAZED SILL/DADDO WALL DETAIL



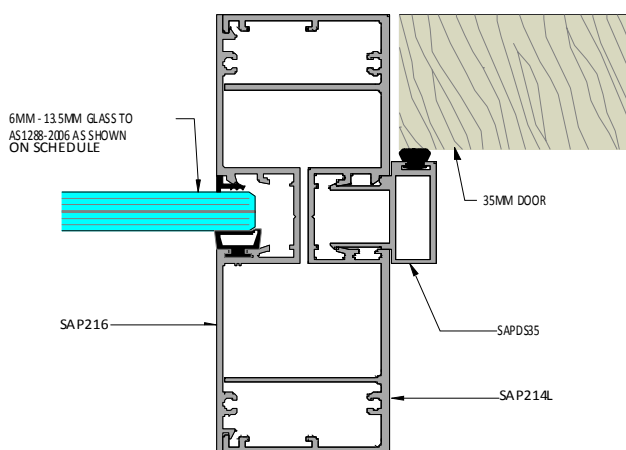
Ⓔ GLAZED TRANSOM DETAIL



Ⓕ GLAZED MULLION/DOOR DETAIL



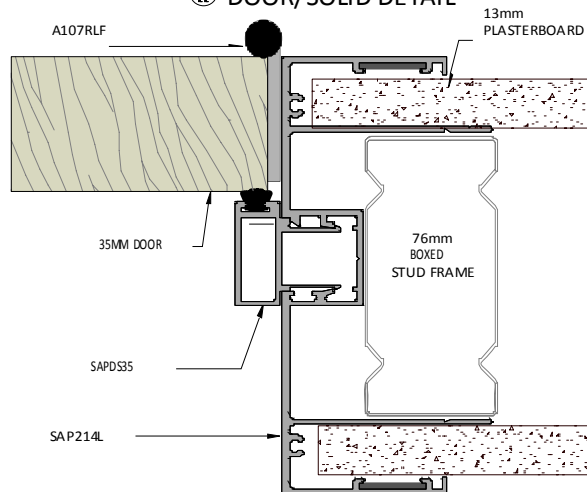
Ⓖ GLAZED/MULLION FRAME DETAIL



PLEASE NOTE:
SNAP OFF INNER LEGS OF SAP214/L

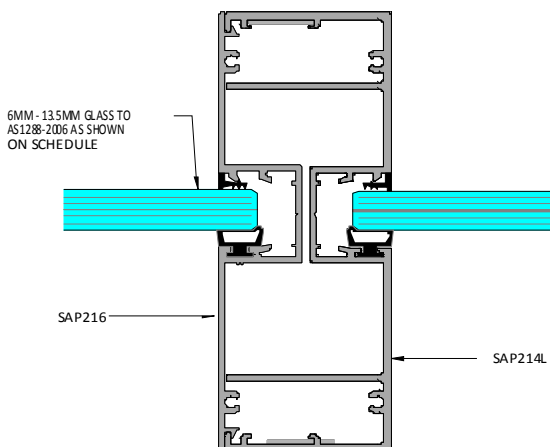
PLEASE NOTE: COMPLIES WITH AS1428.1:2009

Ⓗ DOOR/SOLID DETAIL



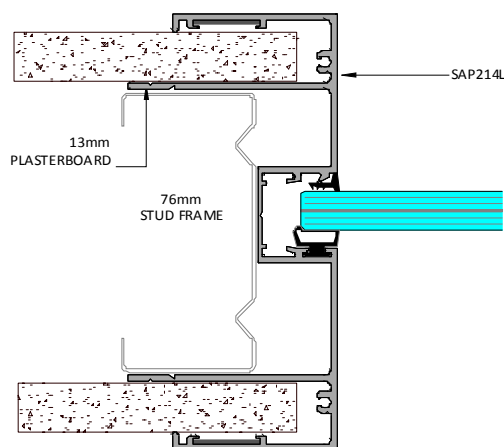
PLEASE NOTE: COMPLIES WITH AS1428.1:2009

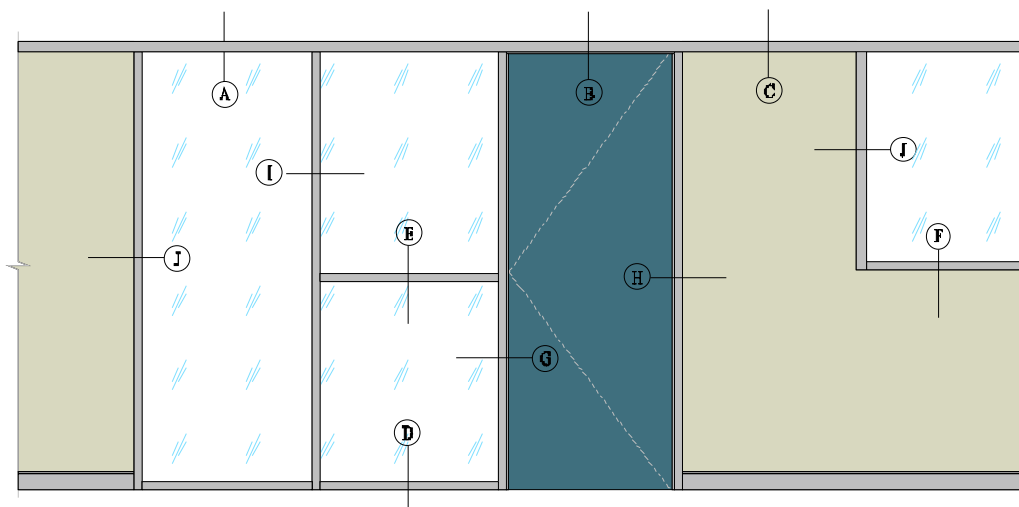
Ⓙ GLAZED MULLION DETAIL



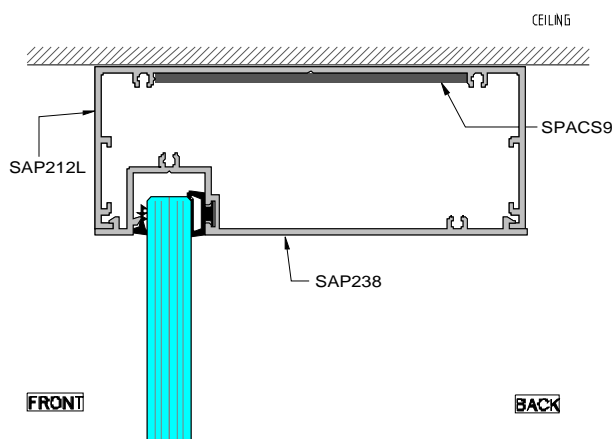
PLEASE NOTE:
SNAP OFF INNER LEGS OF SAP214/L

Ⓚ GLAZED WALL STARTER DETAIL

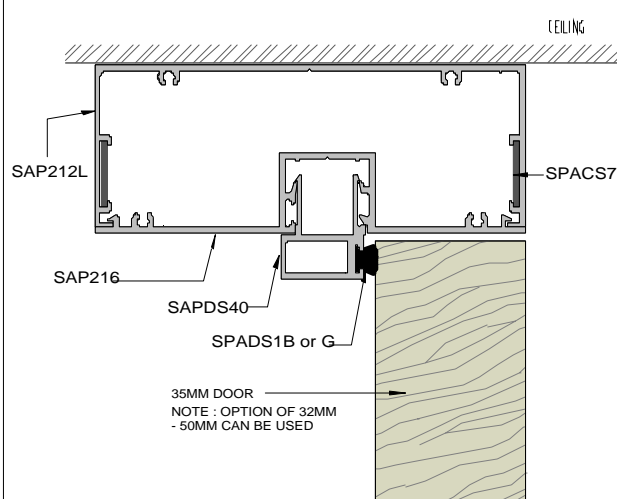




A GLAZED HEAD DETAIL

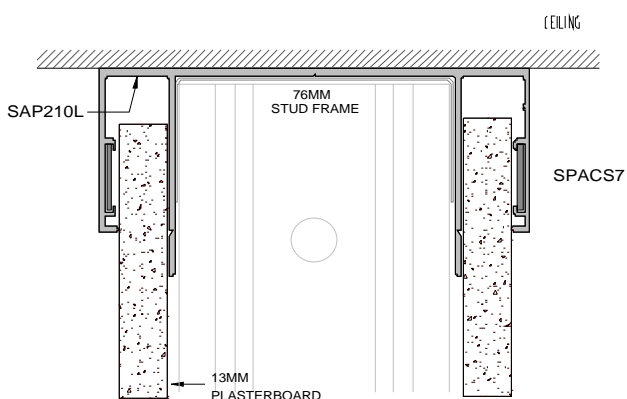


B DOOR HEAD DETAIL

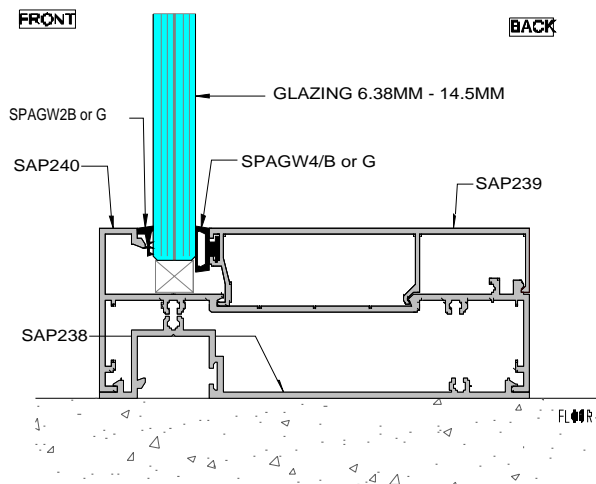


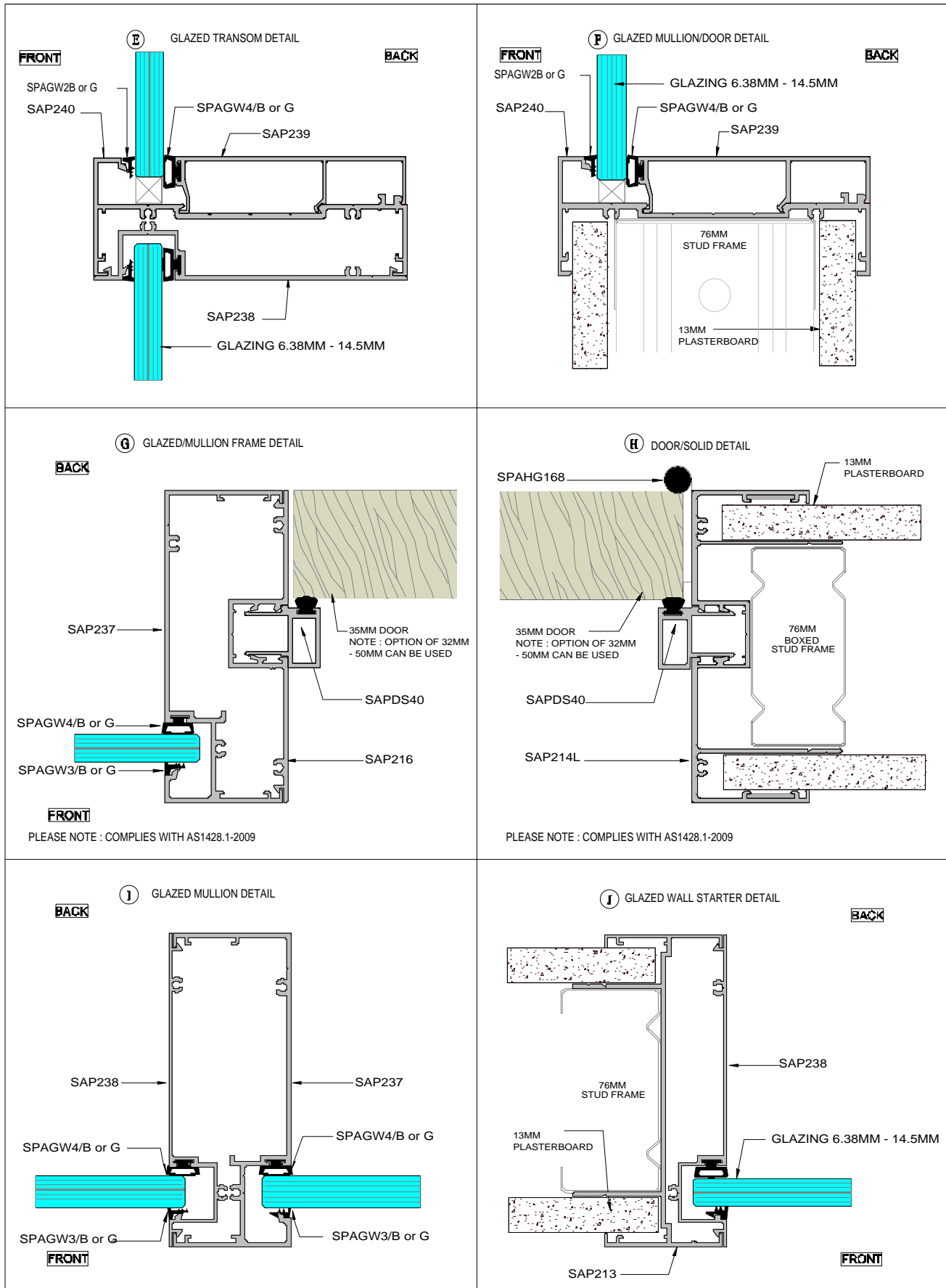
PLEASE NOTE:
SAP210L CAN ALSO BE USED

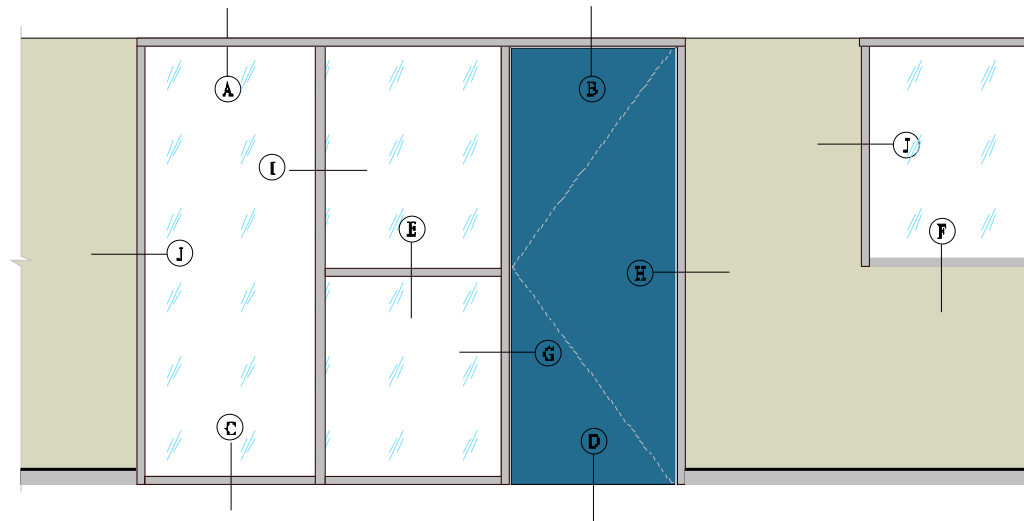
C SOLID HEAD DETAIL



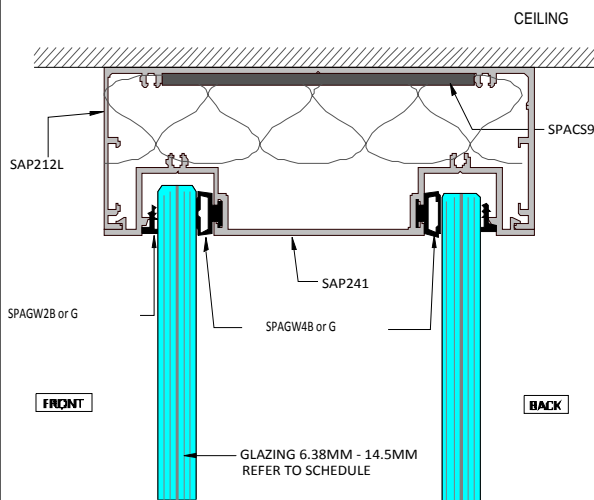
D GLAZED SILL/DADDO WALL DETAIL



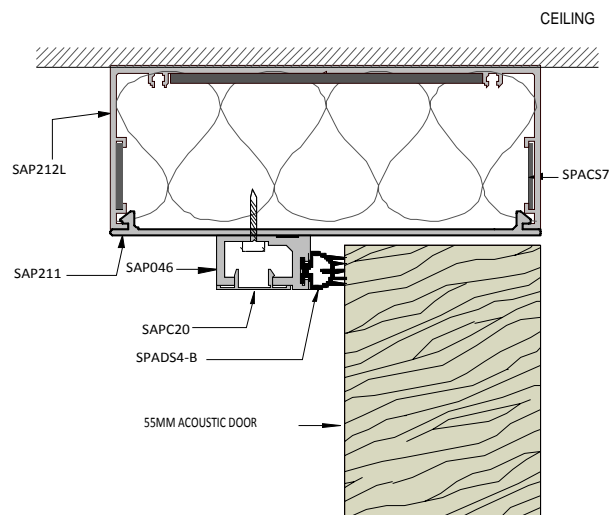




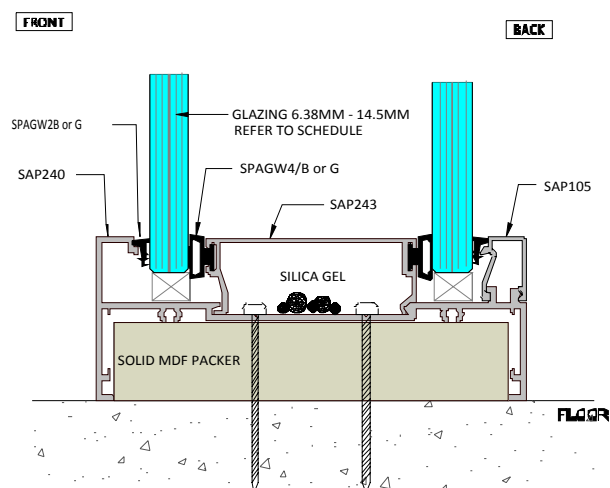
A GLAZED HEAD DETAIL



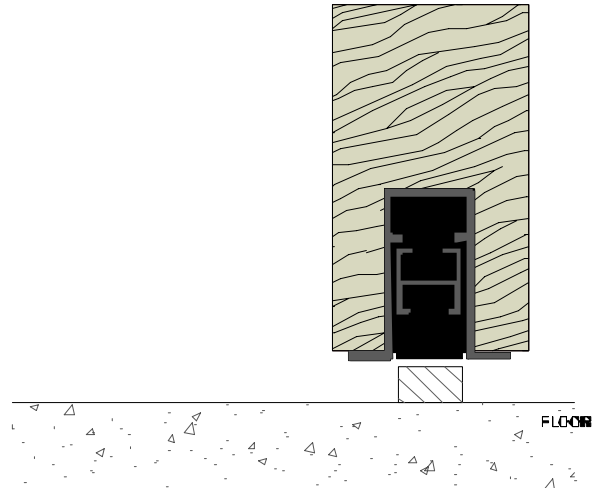
B DOOR HEAD DETAIL

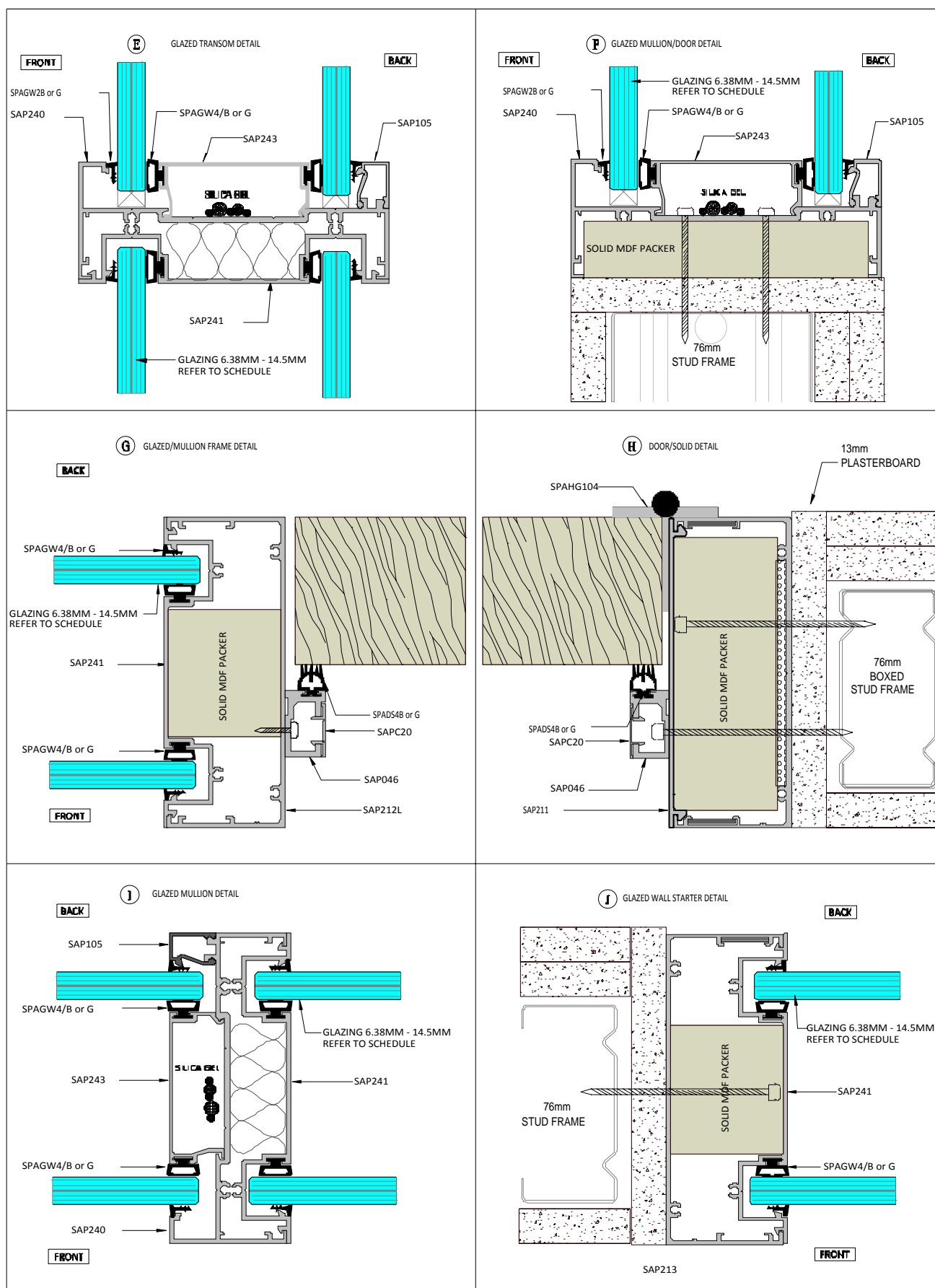


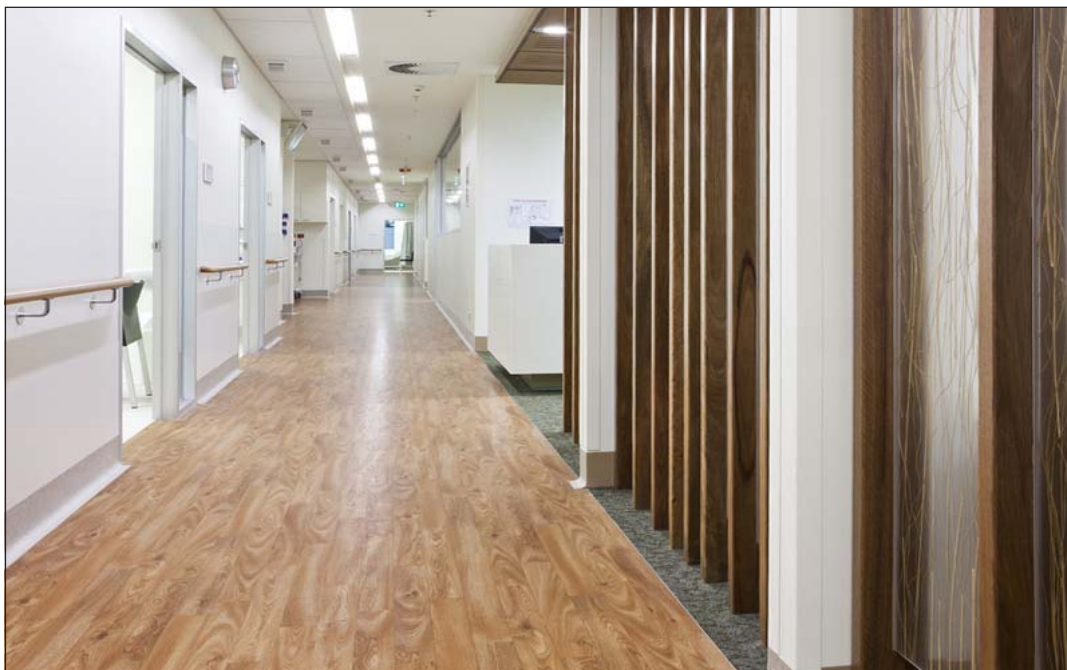
C GLAZED SILL DETAIL



D BOTTOM DOOR WITH DROPSEAL DETAIL







INTRODUCTION

The Sapphire 92mm Maxline Suite is primarily used for framing plasterboard walls and glass where high performance is required. The system will accommodate steel mesh or fibre cement board behind the plasterboard where security and strength is a requirement.

This system is much heavier in wall thickness and designed for a longer service life.

COMMON USE

Commercial Office Partitions, Schools, Universities and Government Fitouts eg Embassies

FRAME OPTIONS

STANDARD detail - 132mm x 45mm

GLAZING OPTIONS

Single glazed	6mm - 12.38mm as per AS1288-2006
Front glazed	6mm - 14.50mm as per AS1288-2006
Double glazed	6mm - 14.50mm as per AS1288-2006

DOOR OPTIONS

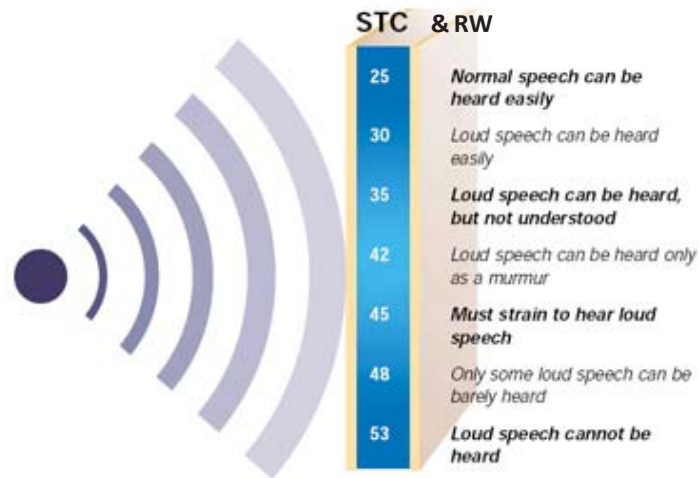
HINGED	-	Timber or Glass Doors 32mm - 50mm in thickness
SLIDING	-	Timber or Sapphire Shooshline Door 45mm in thickness

PLASTERBOARD OPTIONS

92mm Steel Studs and two sheets of 13mm plasterboard,
 76mm Steel Studs and three sheets of 13mm plasterboard
 64mm Steel Studs and four sheets of 13mm plasterboard.
 64mm Steel Studs and two sheets of 13mm, two sheets of 10mm plasterboard with 2 sheets of 3mm Stainless or Steel Sheet.
 51mm Steel Studs and four sheets of 13mm plasterboard and two sheets of 6mm fibre cement board.

Shadowline details optional

Drywall construction optional (Semi- Demountable)



ACOUSTIC PERFORMANCE

WALLS

The 92mm Maxline suite will accommodate walls constructed with the following

92mm Steel Studs and **two** sheets of 13mm plasterboard,

76mm Steel Studs and **three** sheets of 13mm plasterboard

64mm Steel Studs and **four** sheets of 13mm plasterboard.

51mm Steel Studs and **four** sheets of 13mm plasterboard and **two** sheets of 6mm fibre cement board.



38/30

-

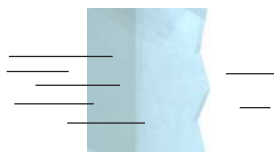
55(47) expressed as $R_w - R_w + C_{tr}$

GLASS

Centre glazed - 6mm - 12.38mm as per AS1288-2006

Front glazed - 6mm - 14.50mm as per AS1288-2006

Double glazed - 6mm - 14.50mm as per AS1288-2006



CENTRE	33RW	-	37RW		
FRONT	33RW	-	40RW		
DOUBLE	49RW	10.38mm	&	10.50 Hush	
DOUBLE	50RW	10.50mm Hush	&	10.50 Hush	
DOUBLE	51RW	10.50mm Hush	&	12.50 Hush	

Please Note !

The acoustic performance estimate of Sapphire Partition Systems is expressed in terms of R_w and $R_w + C_{tr}$. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.

Hush refers to Comfort Hush™ or Vlam Hush™ which are products produced and sold by CSR Veridian Glass

SPECIFICATION

The Sapphire 92mm Maxline Suite of sections have been developed with over 25 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire 92mm Maxline Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Partition suite to be 92mm Maxline by Sapphire Aluminium Pty Ltd(not “equal or equivalent”-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes.”

STANDARD FRAME

The maximum panel height with a transom positioned between 1000mm - 2800mm in height shall be 3600mm.

HARDWARE

Glazing wedges shall be Sapphire’s colour coded wedges for 92mm Maxline® Partition Suite to suit standard glazing options.

Hinges shall be as per Sapphire Technical Manual.

All other hardware as per Sapphire Technical Manual.

FINISHES

All anodised material shall be produced by Sapphire to AS1231

All powder coated material shall be produced by Sapphire to AS3715

CARE AND MAINTENANCE

Sapphire 92mm Maxline Partition Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

WARNING!

Strong detergents and abrasive cleaners should never be used to clean the **Sapphire 92mm Maxline Partition Suite** as it may cause scratching or damage to the coated surface.

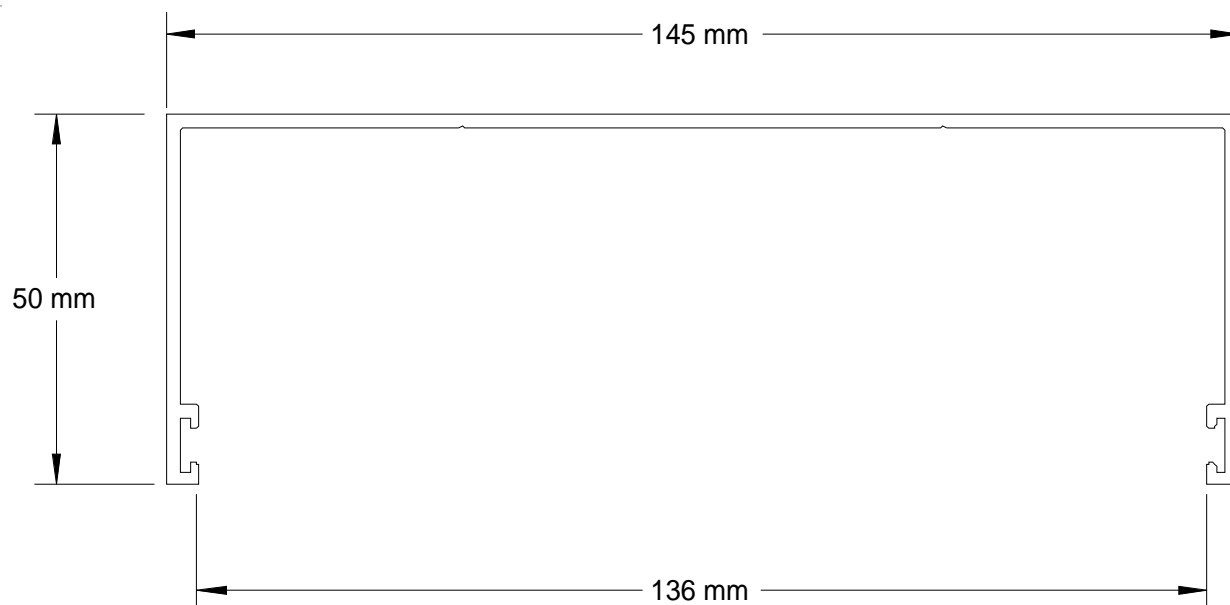
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the “SAPPHIRE” Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words “ equal or equivalent” will avoid substitution of products that in many cases are anything but “equal or equivalent”. To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantities

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



SAP3SH

92MM MAXLINE SUBHEAD/FRAAME

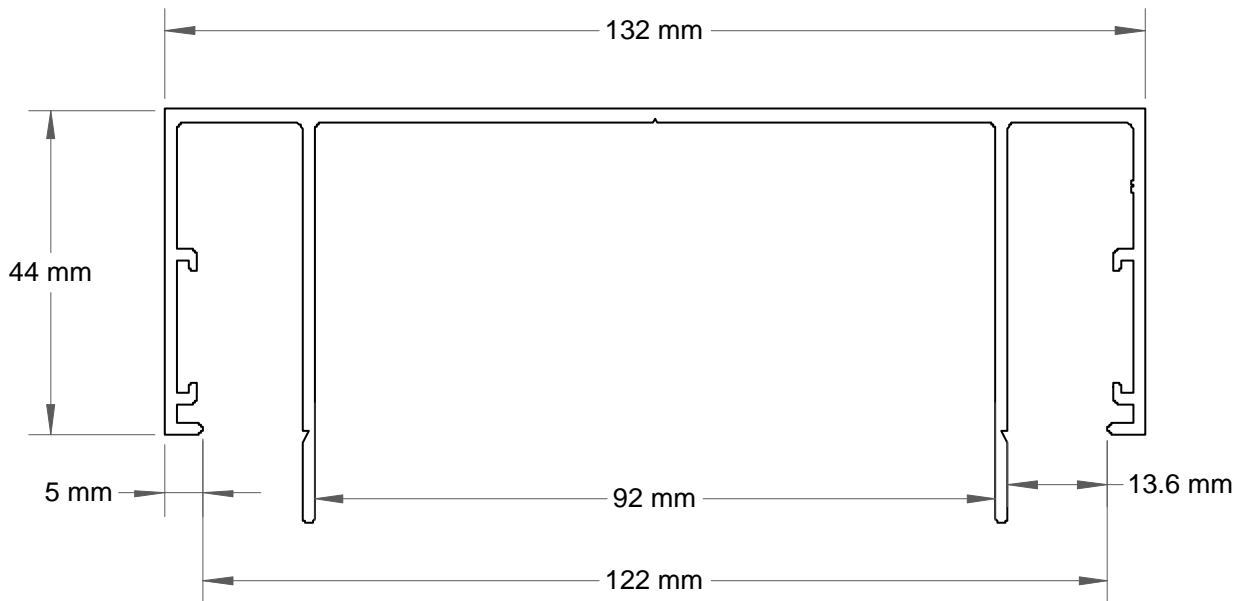
MASS = 1.518 Kg/M PER = 695mm

SAP3SH is used as a complete prefinished Sub Head / wall starter. It is commonly used when a partition stud wall or glazed wall is required to run to the underneath of slab. The sub head allows for the slab to deflect up to 25mm without coming into contact with the wall installed below.

SAP3SH accepts SAP311, SAP316

SAP3SH accepts SPADS1B or G, SPADS1F-B, SPADS6-B

SAP3SH is available in 2.8 metre and 3.6 metre lengths.



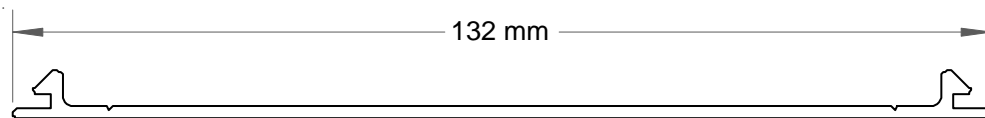
SAP310L
92MM MAXLINE CAPPING HEAD / FRAME
 MASS = 1.518 Kg/M PER = 695mm

SAP310L is used as a complete prefinished head track, wall starter, and capping for door reveals and dwarf walls it is therefore used on both vertical and horizontal planes and accepts 92mm standard steel studs and 13mm wallboard. It is commonly used when speed is essential as it is possible when using this system to build high quality partition walls without involving the wet trades as all raw edges are capped and protected. The inner legs of this section snap off to allow fitment of other sections.

SAP310L accepts SAP311, SAP316

SAP310L accepts SPACS6,7&8.

SAP310L is available in 2.8 metre and 3.6 metre lengths.

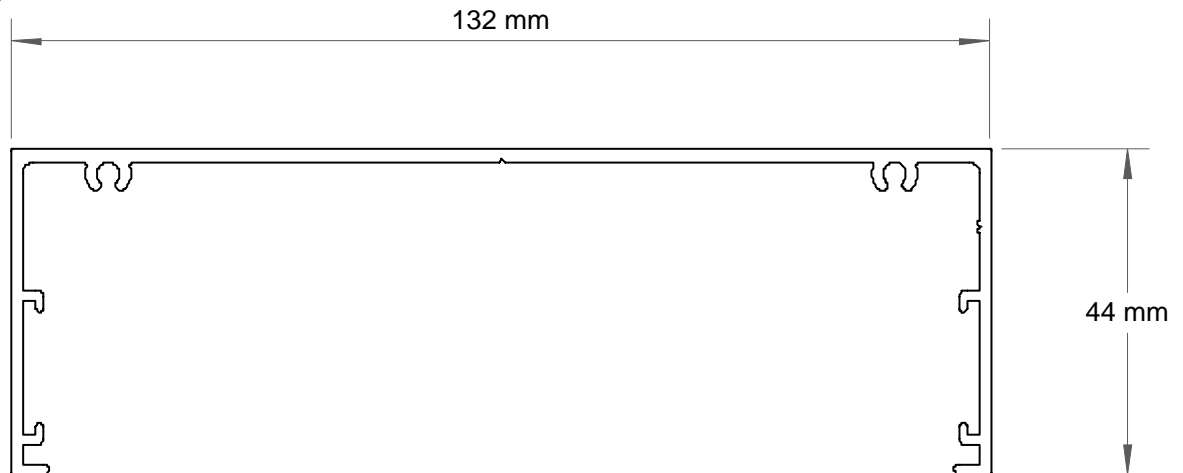


SAP311
SNAP IN FLUSH PANEL
 MASS = .598 Kg/M PER = 292mm

SAP311 has a smooth surface allowing any section to be fitted anywhere on the 132mm face, particularly suitable for offset glazing with SAP004/5 to allow the inclusion of blinds or curtains fitted behind the glass but within the outer frame. It is also suitable for our Acoustic Doorstop SAP046

SAP311 snaps into SAP310L, SAP312L, SAP313, SAP314L, SAP319L, SAP324, SAP324D, SAP337 & SAP340

SAP311 is available in 2.8 & 3.6 metre lengths.



SAP312L

92MM MAXLINE LARGE CAPPING HEAD / FRAME

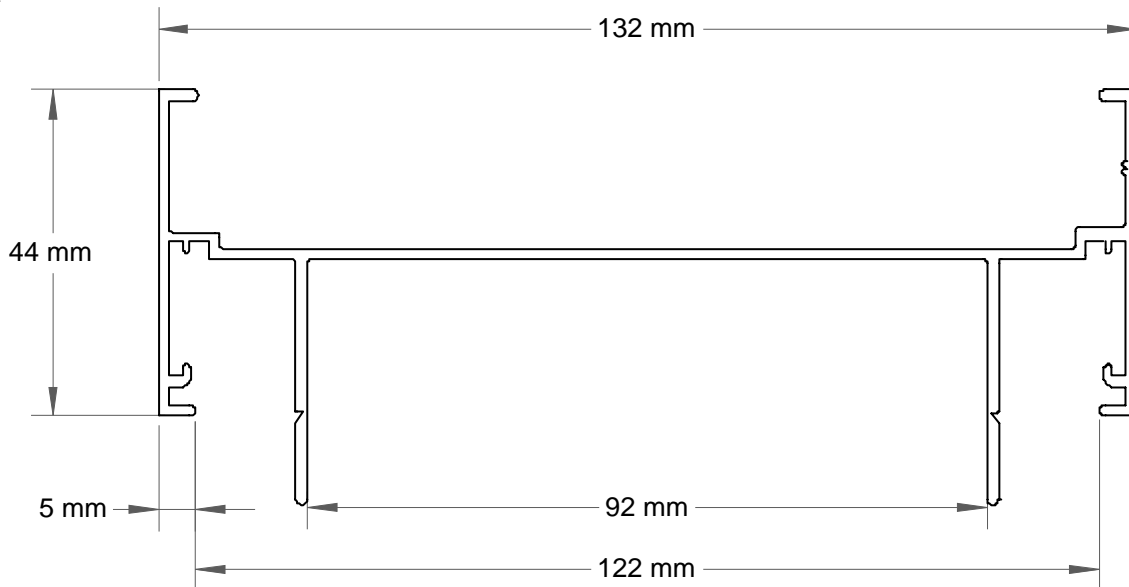
MASS = 1.150 Kg/M PER = 620mm

SAP312L is used as a complete prefinished 44mm head track, wallstarter and capping for door reveals, overhead closers and glazing. The section features no inner legs which allows SAP311 to be fitted giving a surface on which our door or glazing frames can be mounted. It is also commonly used with our range of wideline & Frontline pocket glazing sections to form either wide or narrow mullions for glazing or door frames with the added feature of screw flutes to help align vertical and horizontal joints.

SAP312L accepts SAP311, SAP316, SAP338 & SAP341

SAP312L accepts joining stakes (SPACS6, 7 & 8).

SAP312L is available in 2.8 metre and 3.6 metre lengths.



SAP313

92MM MAXLINE MULTICAP / WALLSTARTER

MASS = 1.258 Kg/M PER = 624mm

This section as its name suggests is multi use capping /wallstarter.

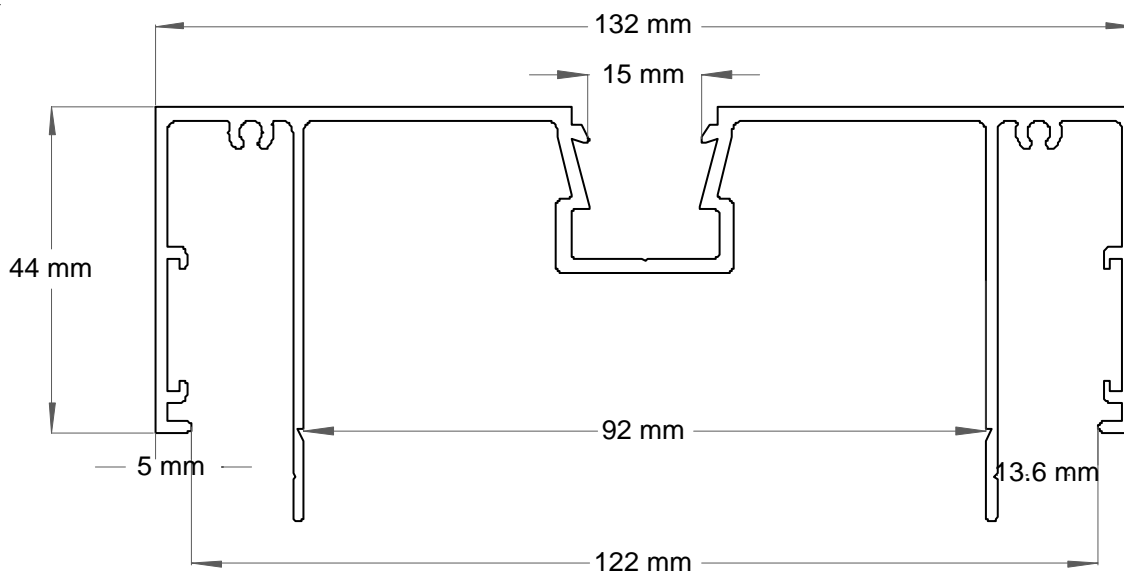
SAP313 also accepts 92mm standard steel studs and 13mm wallboard.

As with SAP310L the inner extended legs can be snapped off to accept SAP311, SAP316

SAP313 will also accept on open side SAP311, SAP316, SAP338 & SAP341

SAP313 accepts SPACS3,6,7&8.

SAP313 is available in 2.8 metre and 3.6 metre lengths.



SAP314L

92MM MAXLINE 45MM POCKET FRAME/MULLION WITH FINS

MASS = 1.970 Kg/M PER = 830mm

This section forms the basis of our Maxline 45mm pocket glazing and door frame system.

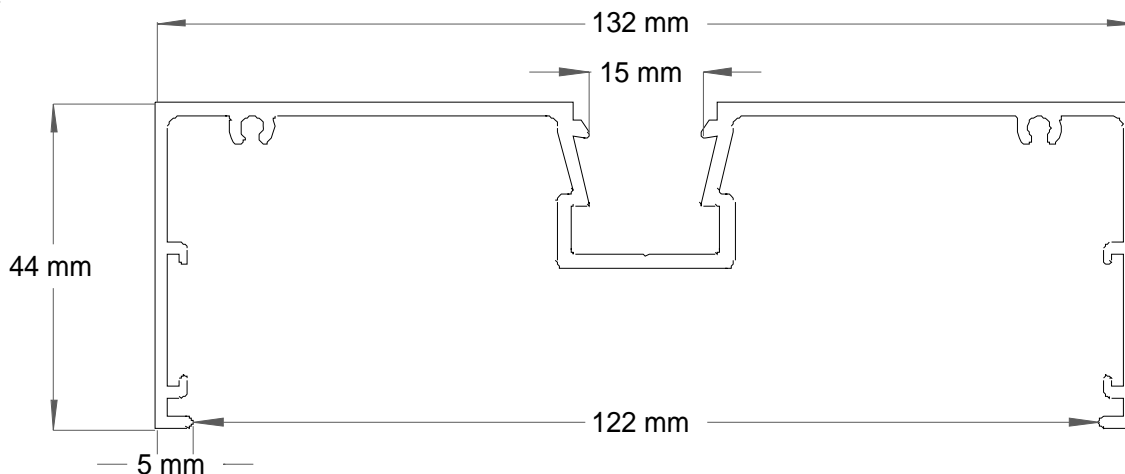
SAP314L also accepts 92mm standard steel studs and 13mm wallboard. As with SAP310L the inner extended legs can be snapped off to accept the following sections.

SAP314L will accept SAP311, SAP316 to form a mullion.

SAP314L will accept glass from 6mm - 12.38mm as per AS1288 - 2006 .

SAP314L accepts SPACS3,6,7&8.

SAP314L is available in 2.8 metre and 3.6 metre lengths.



SAP315

92MM MAXLINE 45MM POCKET FRAME/MULLION

MASS = 1.515 Kg/M PER = 600mm

This section forms the basis of our Maxline 45mm pocket glazing and door frame system.

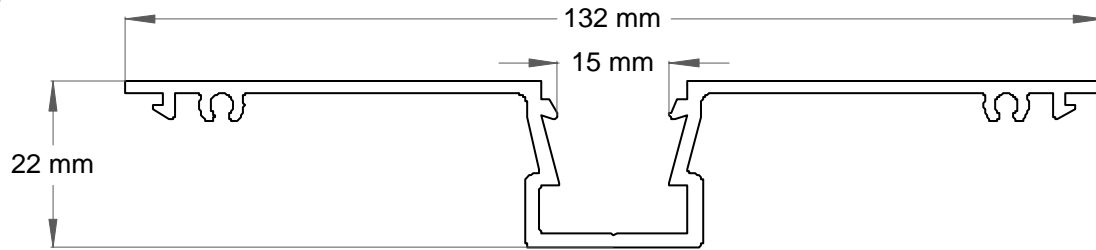
SAP315 also accepts 92mm standard steel studs and 13mm wallboard.

SAP315 will accept SAP311, SAP316, SAP338 & SAP341 to form a Centre/ Front or Double glazed Door mullion.

SAP315 will accept glass from 6mm - 12.38mm as per AS1288 - 2006 .

SAP315 accepts SPACS3,6,7&8.

SAP315 is available in 2.8 metre and 3.6 metre lengths.



SAP316

MAXLINE SNAP IN POCKET

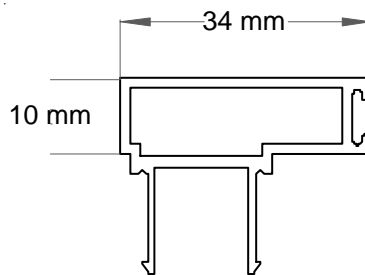
MASS = .966 Kg/M PER = 407mm

This section is a flat pocket glazing cover designed to be used with SAP314L or SAP315 to form 132mm wide single sided glazing mullion or frame. It can also be snapped into SAP319/L to form a transom and on the backside of SAP337 front glaze or Door Frame combination or SAP340 for double/single glaze or Door Frame combination.

SAP316 also accepts glass from 6mm to 12.38mm in thickness as per AS1288 - 2006.

SAP316 accepts 023 also snap in.

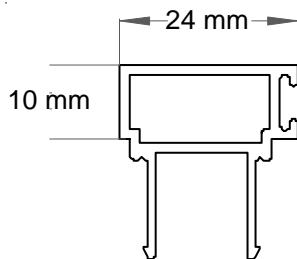
SAP316 is available in 2.8 metre and 3.6 metre lengths



SAP317

SNAP IN DOORSTOP UP TO 35MM DOORS

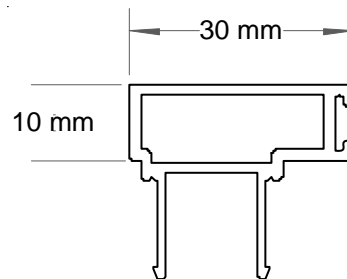
MASS = .420Kg/M PER = 160mm



SAP318

SNAP IN DOORSTOP UP TO 45MM DOORS

MASS = .353 Kg/M PER = 140mm



SAP318B

SNAP IN DOORSTOP UP TO 40MM DOORS

MASS = .398 Kg/M PER = 152mm

Please Note ! Door thickness stated allows for a 5mm setback from the edge of the frame when hung

These snap in doorstops are very similar in nature, like our other range of door jambs these sections accept either (SPADS1B or G) a fur pile seal for dust sealing or (SPADS3B or G) PVC Acoustic bulb seal to give an acoustic type seal when the door is closed.

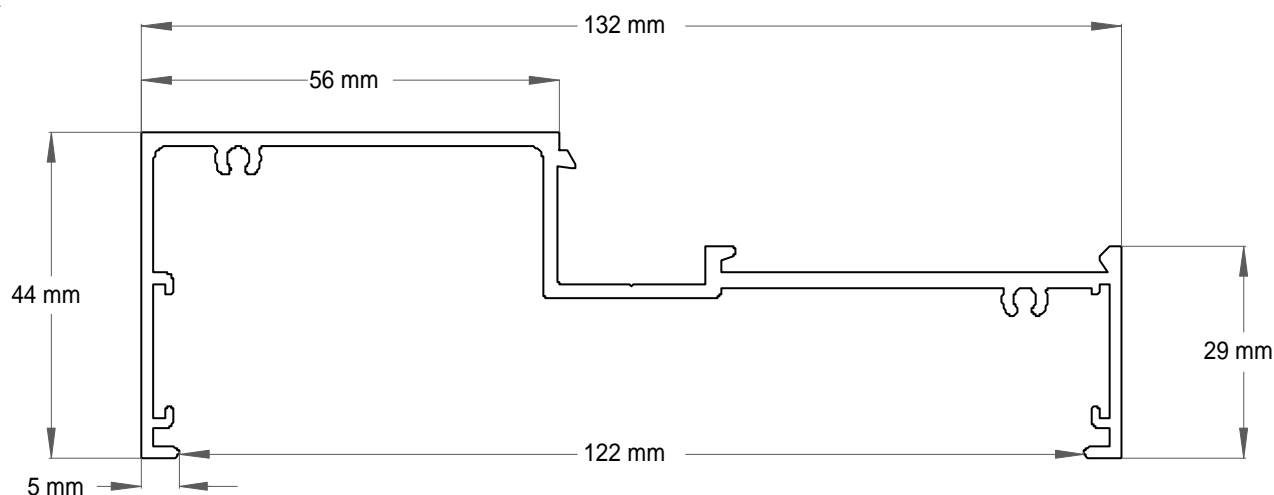
SAP317 will accommodate doors up to 35mm in thickness

SAP318 will accommodate doors up to 45mm in thickness

SAP318B will accommodate doors up to 40mm in thickness

SAP317, 318 & 318B snap into SAP314, SAP314L, SAP315, SAP316 & SAP324

SAP317, 318 & 318B are available in 2.8 metre and 3.6 metre lengths.

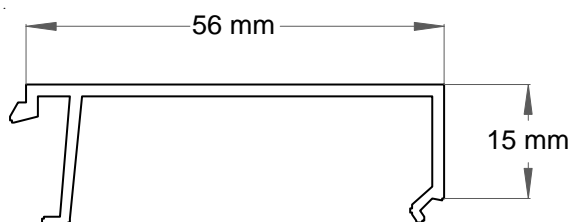


SAP319L

MAXLINE GLAZING SILL/TRANSOM

MASS = 1.322 Kg/M PER = 525mm

This section has been developed for designs that require multiple horizontal panels of glass to be installed. SAP319L has been designed with a heavier wall thickness to cope with glass thicknesses up to 12.38mm. SAP319L accepts glass from 6mm - 12.38mm in thickness as per AS1288 - 2006. SAP319L accepts SAP320L, SAP316, SAP338 & SAP341. SAP319L accepts SPACS3,6,7&8. SAP319L is available in 2.8 metre and 3.6 metre lengths.

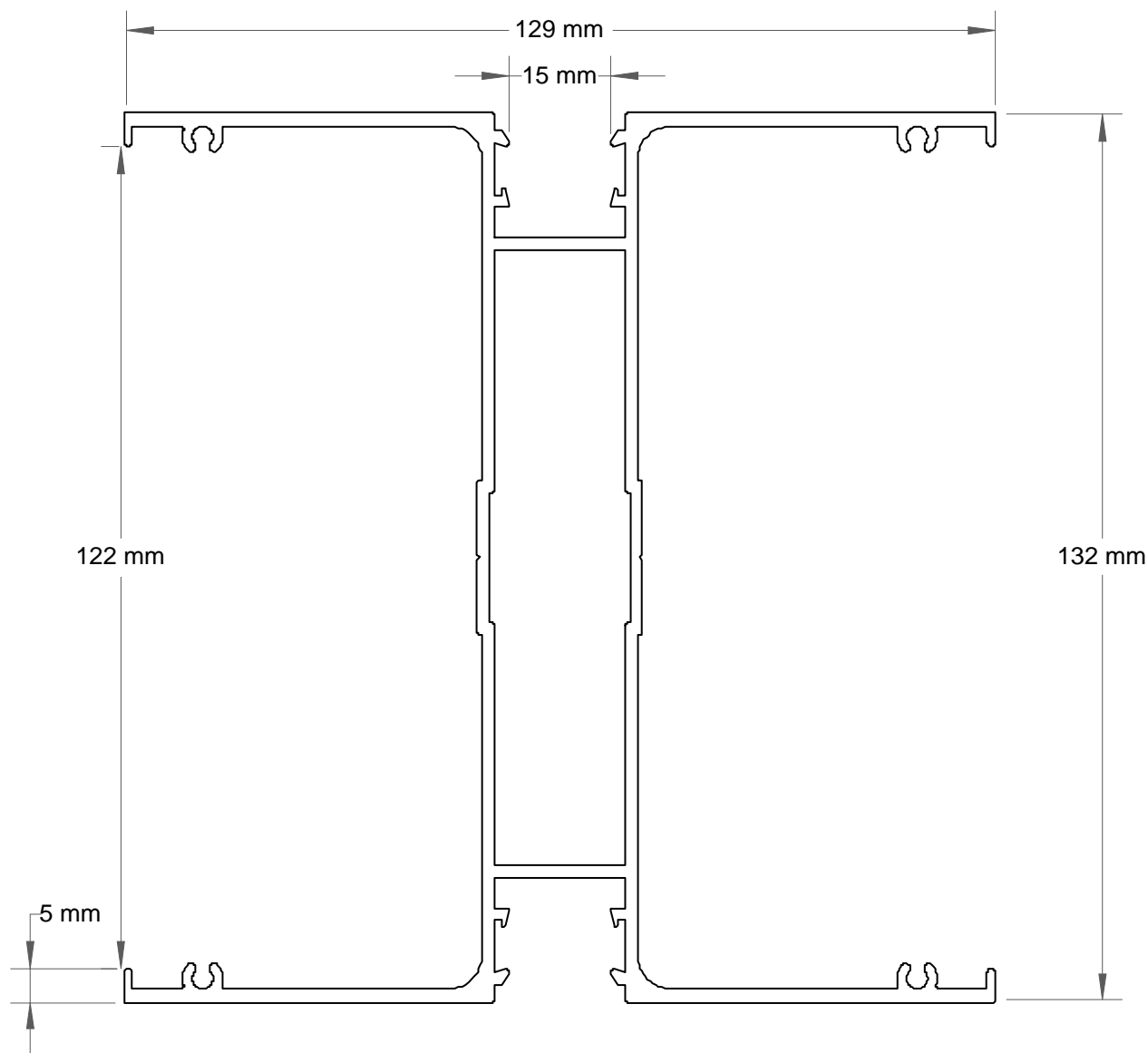


SAP320L

MAXLINE GLAZING BEAD

MASS = .460 Kg/M PER = 230mm

SAP320L clips into SAP319L to form a complete Sill/transom glazing section of 132mm wide x 44mm in thickness. SAP320L is available in 2.8 metre and 3.6 metre lengths



SAP324

MAXLINE 132 x 132 CORNER POST

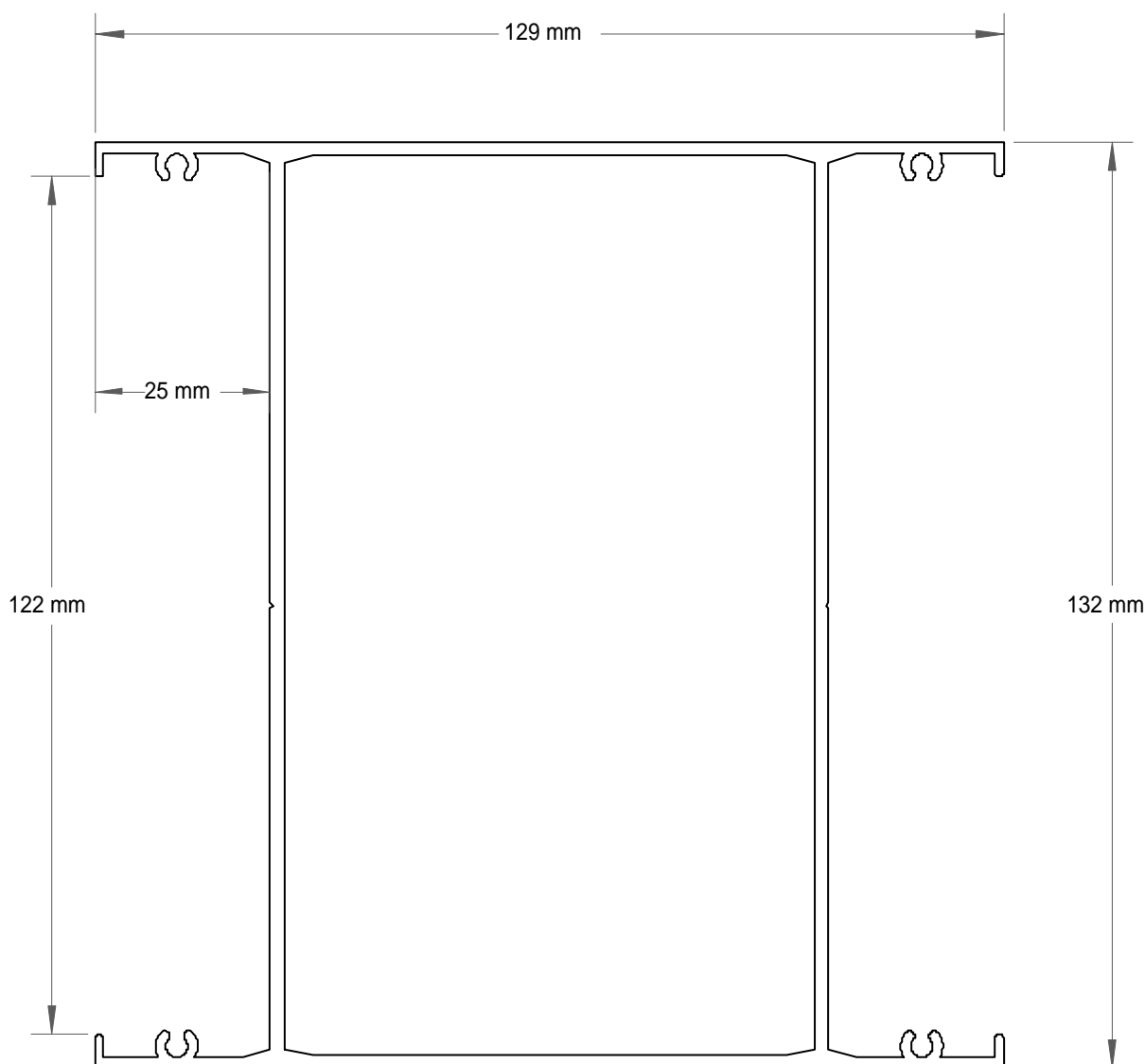
MASS = 2.959 Kg/M PER = 917mm

This section has been developed for designs that require a solid 132mm square aluminium post capable of being glazed in up to four directions or accommodating doors up to 50mm in thickness. SAP324 can also be capped over the end of a 64mm stud making it possible to finish the end of the wall and hang a door off each side. SAP324 may also be used as a power pole.

SAP324 accepts SAP311, SAP317, SAP318 & SAP318B, SAP023, SAP311, SAP316, SAP338 & SAP341

SAP324 will accept glass from 6mm - 12.38mm as per AS1288 - 2006.

SAP324 is available in 2.8 metre and 3.6 metre lengths.



SAP324D

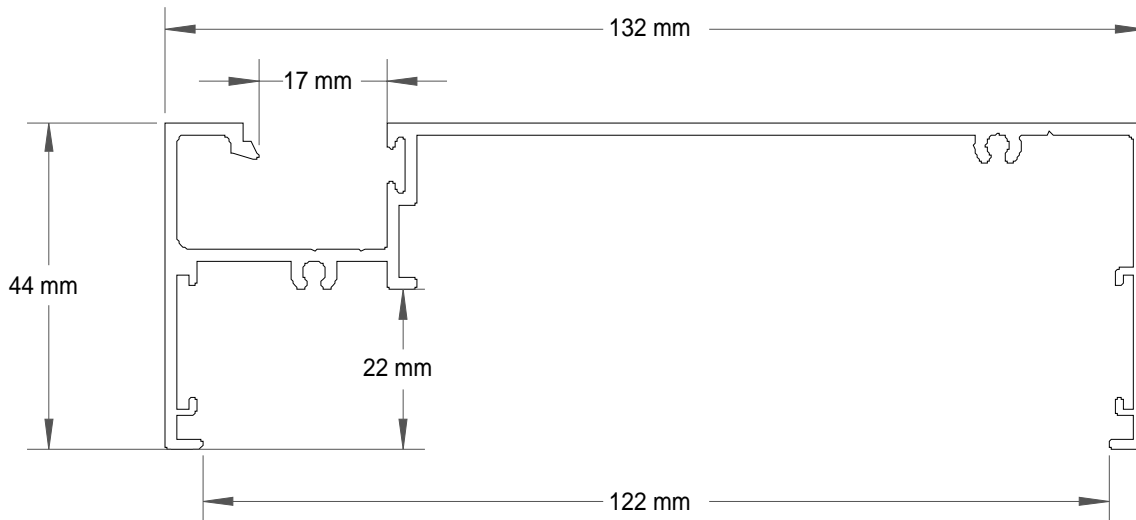
MAXLINE 132 x 132 2 WAY POST

MASS = 2.911 Kg/M PER = 701mm

This section has been developed for designs that require a solid 105mm square aluminium post capable of being glazed in up to two directions, centre, frontline or double glazed or accommodating doors up to 50mm in thickness. SAP324D may also be used as a power pole.

SAP324D accepts SAP311, SAP316, SAP338 & SAP341

SAP324D is available in 2.8 metre and 3.6 metre lengths.



SAP337

92MM FRONTLINE POCKET CAPPING

MASS = 1.270 Kg/M PER = 579mm

This section has been developed to enable 45mm frontline glazing from a capped 64mm steel stud wall with 13mm plasterboard. It is compatible with Sapphire's 92mm Maxline sections as it has a flat face of 132mm being the standard width of all Sapphire 92mm Maxline sections. When used in conjunction with SAP338 it forms an offset mullion capable of being glazed on both sides forming a thickness of 45mm.

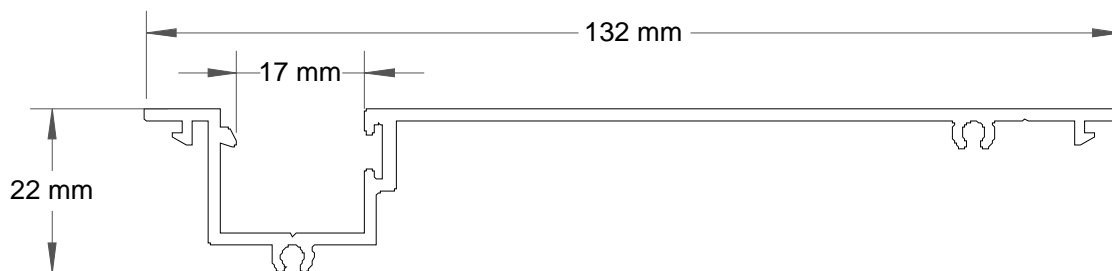
SAP337 accepts SAP311, SAP316, SAP338 & SAP341.

SAP337 accepts SPACS3,6,7&8.

SAP337 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP337 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP337



SAP338

92MM FRONTLINE SNAP IN POCKET

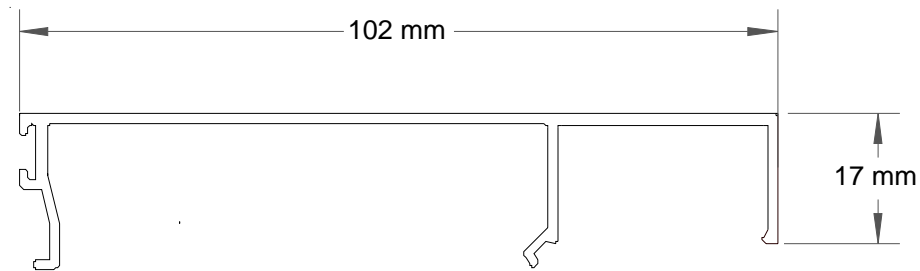
MASS = .840 Kg/M PER = 389mm

This section is a flat pocket glazing cover designed to be used with SAP312L, SAP313, SAP314L, SAP315, SAP319L, SAP324, SAP324D, SAP337 & SAP340 to form 132mm wide single sided offset glazing mullion or frame.

SAP338 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP338 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP338



SAP339

MAXLINE FRONT GLAZE BEAD

MASS = TBA Kg/M PER = 577mm

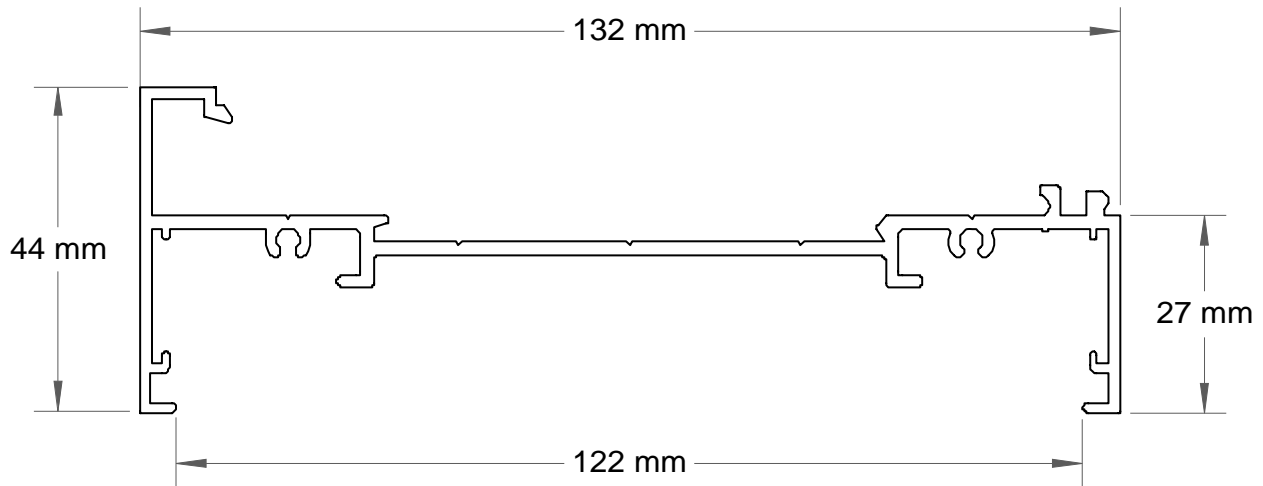
This section is designed to snap into SAP340 for frontline glazing for 92mm Stud Walls.

SAP339 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP339 clips into SAP340

SAP339 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP339



SAP340

MAXLINE DOUBLE GLAZE SILL/MULLION/TRANSOM

MASS = 1.210 Kg/M PER = 520mm

This section has been developed to enable double frontline glazing for 92mm Stud Walls. SAP340 features security with the front side being fixed it cannot be deglazed unless it is done from the back of the section. It is compatible with Sapphire's 92mm Maxline sections as it has a flat face of 132mm being the standard width of all Sapphire Maxline sections.

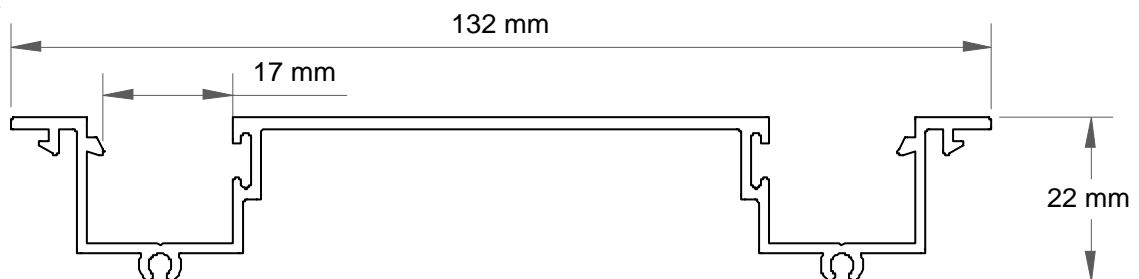
SAP340 also can be used with recessed venetian blinds or screens as it can be adapted to have hinged access door on the back utilising SAP047 giving even more options.

SAP340 accepts SAP034, SAP311, SAP316, SAP338, SAP341& SAP343

SAP340 accepts glass from 6mm - 14.5mm in thickness as per AS1288 - 2006.

SAP340 accepts SPACS3,6,7&8.

SAP340 is available in 2.8 metre and 3.6 metre lengths.



SAP341

MAXLINE DOUBLE GLAZE SNAP IN POCKET

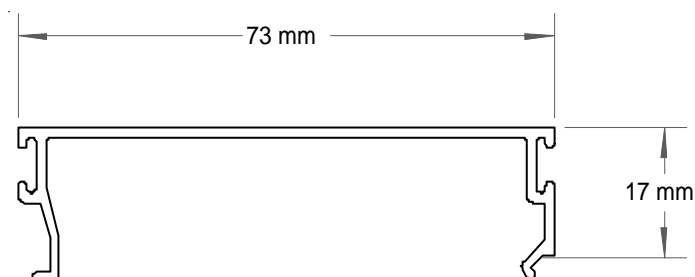
MASS = .967 Kg/M PER = 424mm

This section is a flat double pocket glazing cover designed to be used with SAP312L, SAP313, SAP315, SAP319L, SAP319O, SAP324, SAP324D, SAP337 & SAP340 to form 132mm wide double glazing mullion or frame.

SAP341 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP341 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP341



SAP343

MAXLINE DOUBLE GLAZE CAP

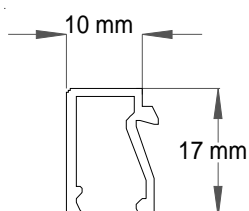
MASS = .470 Kg/M PER = 250mm

This section is a double glaze cap designed to be used with SAP340 and installed after the front panel of glass has been installed and prior to the rear panel of glass being installed.

SAP343 also accepts glass from 6mm to 14.5mm in thickness as per AS1288 - 2006.

SAP343 is available in 2.8 metre and 3.6 metre lengths.

PLEASE NOTE! SPAGW4 or 6 must be fitted prior to installation of SAP343



SAP105

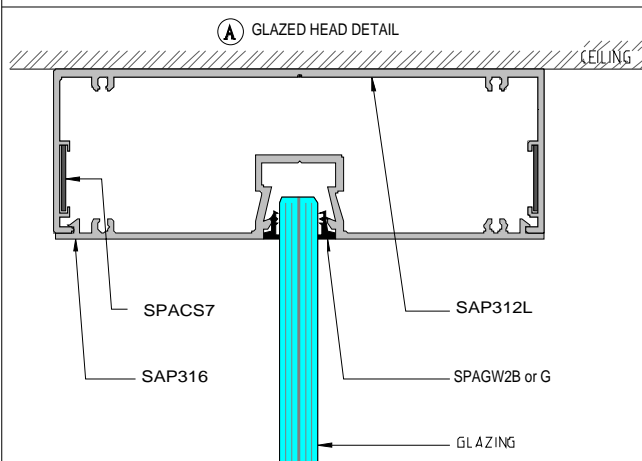
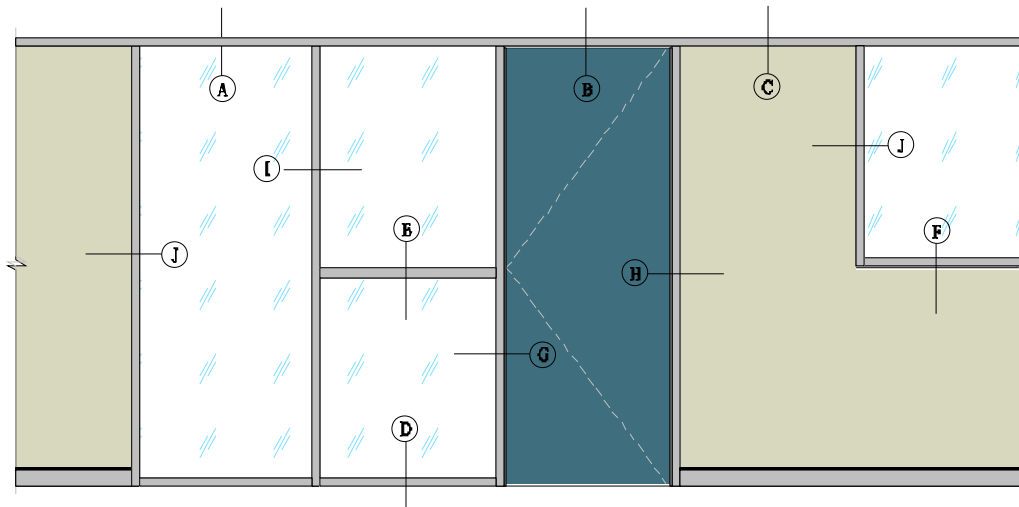
FRONTLINE GLAZING BEAD

MASS = .166 Kg/M PER = 100mm

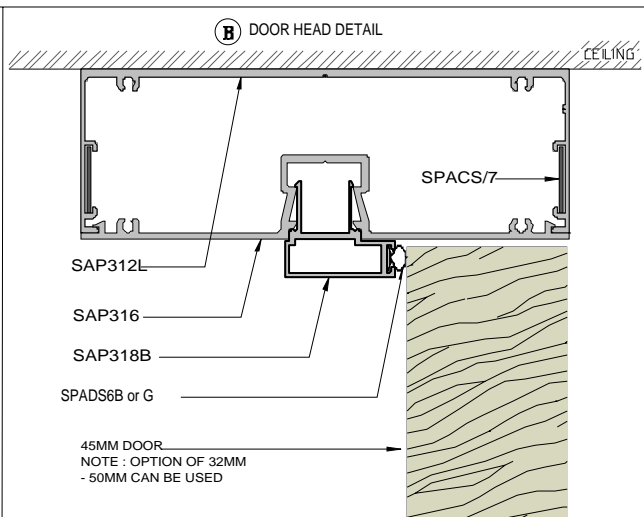
SAP105 is designed as a glazing bead to enable frontline glazing as well as double glazing when clipped into Frontline, Microline & Maxline frames.

SAP105 clips into SAP104, SAP119, SAP033, SAP040, SAP240 & SAP340

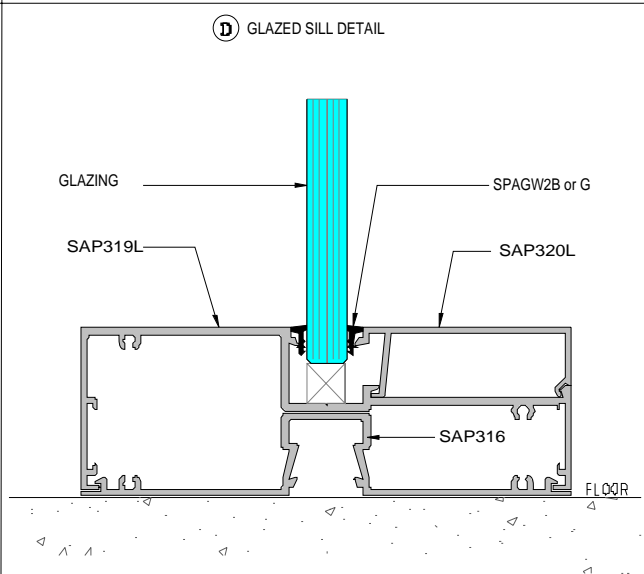
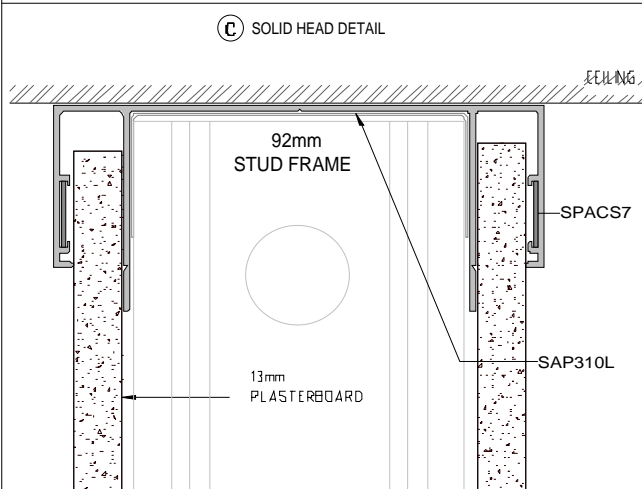
SAP105 is available in 2.8 metre and 3.6 metre lengths.



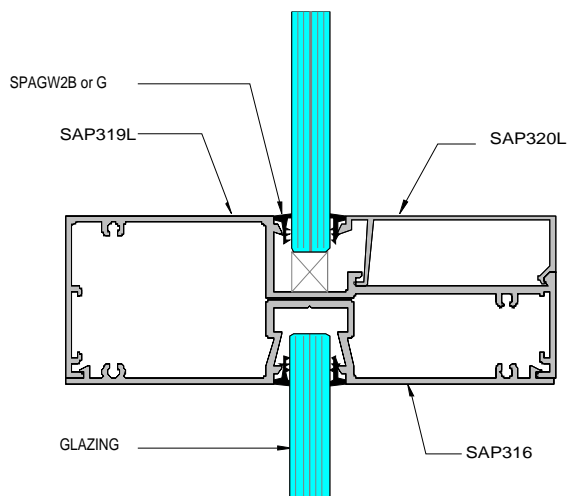
PLEASE NOTE:
SAP310L IS AN OPTION, SNAP INNERLEGS OFF SAP310/L



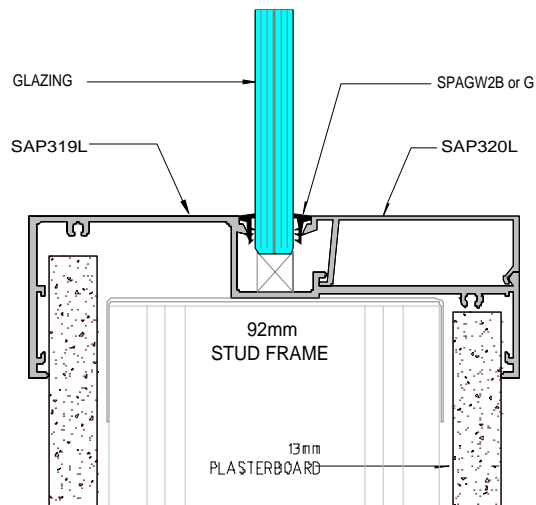
PLEASE NOTE:
SAP310L IS AN OPTION, SNAP INNERLEGS OFF SAP310/L



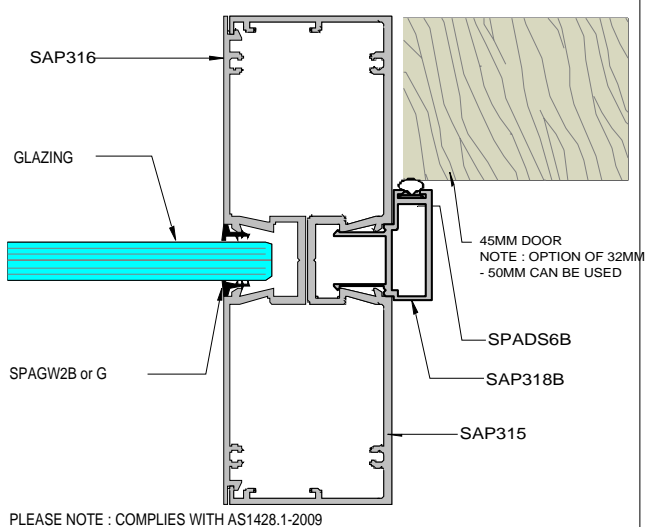
Ⓔ GLAZED TRANSOM DETAIL



Ⓕ GLAZED SILL/DADO WALL DETAIL

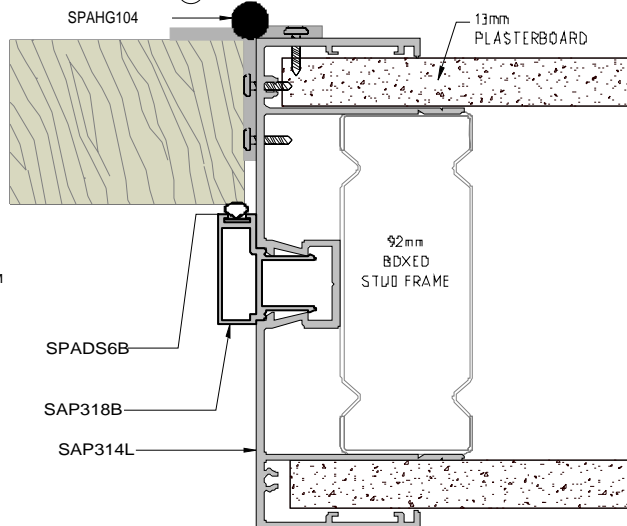


Ⓖ GLAZED MULLION / DOOR DETAIL



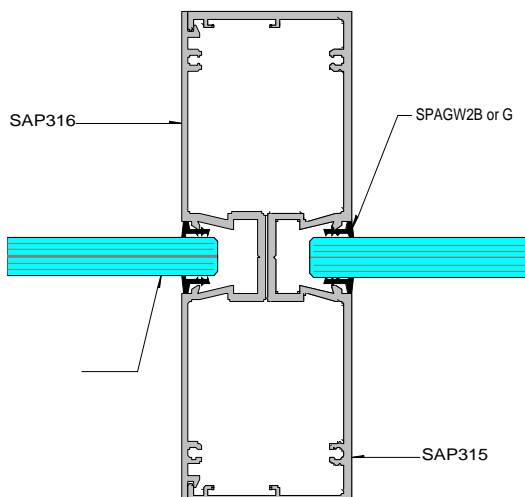
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓗ DOOR/SOLID DETAIL

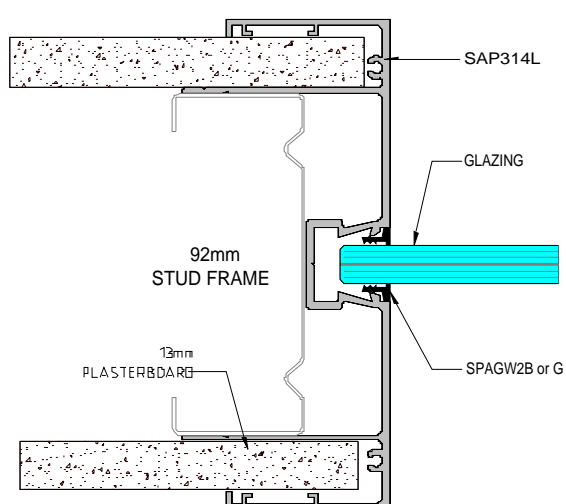


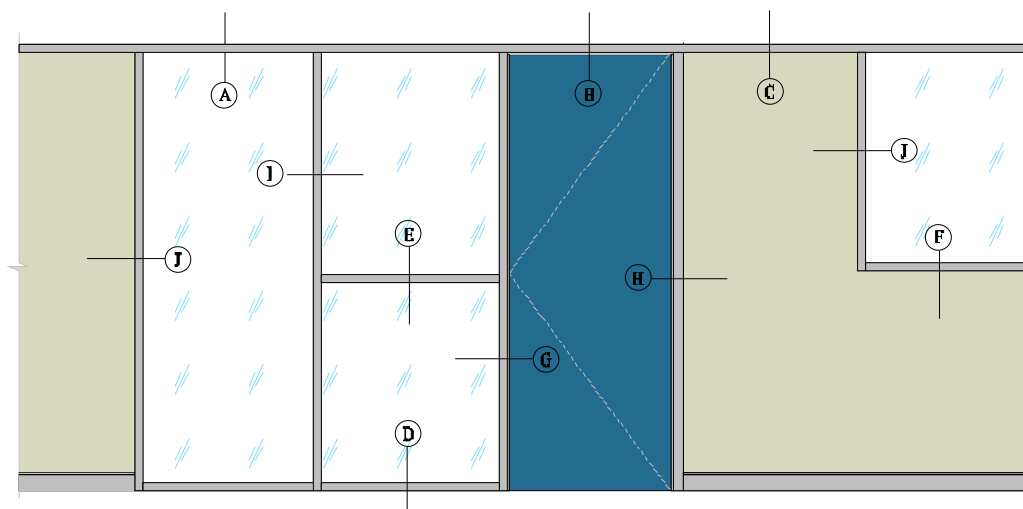
PLEASE NOTE : COMPLIES WITH AS1428.1-2009

Ⓘ GLAZED MULLION DETAIL

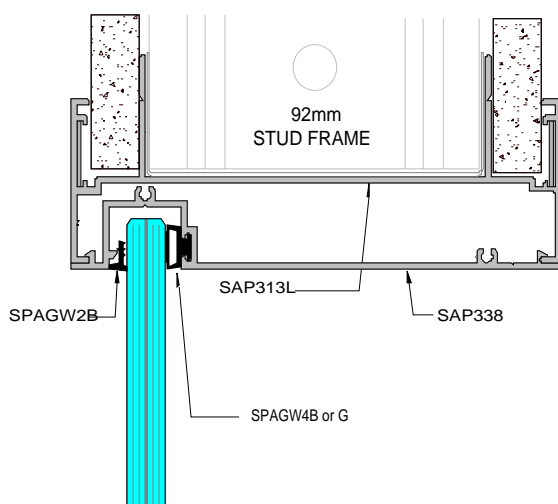


Ⓙ GLAZED WALL STARTER DETAIL

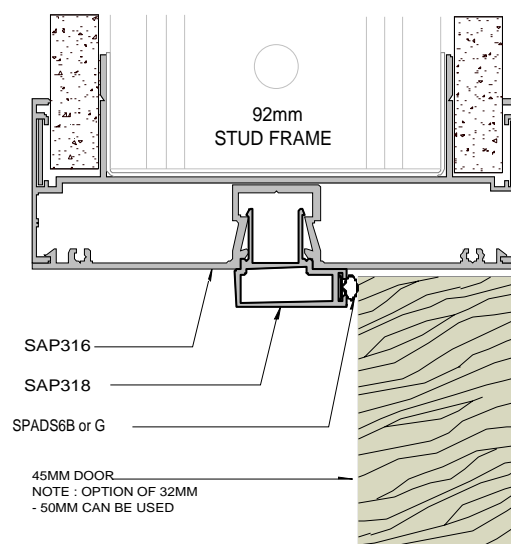




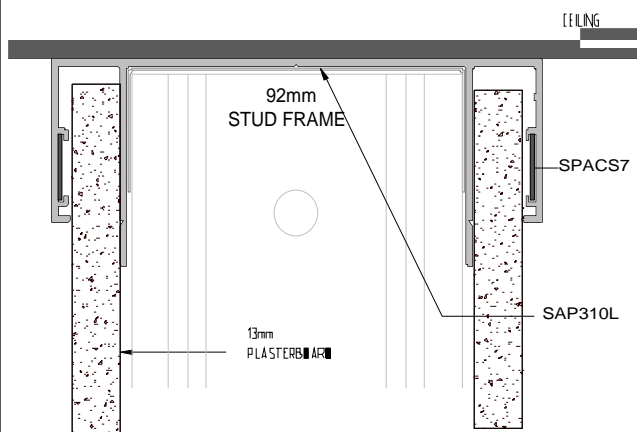
A GLAZED HEAD DETAIL



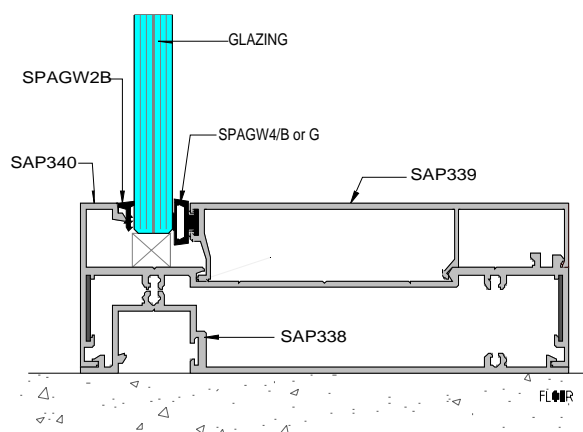
B DOOR HEAD DETAIL

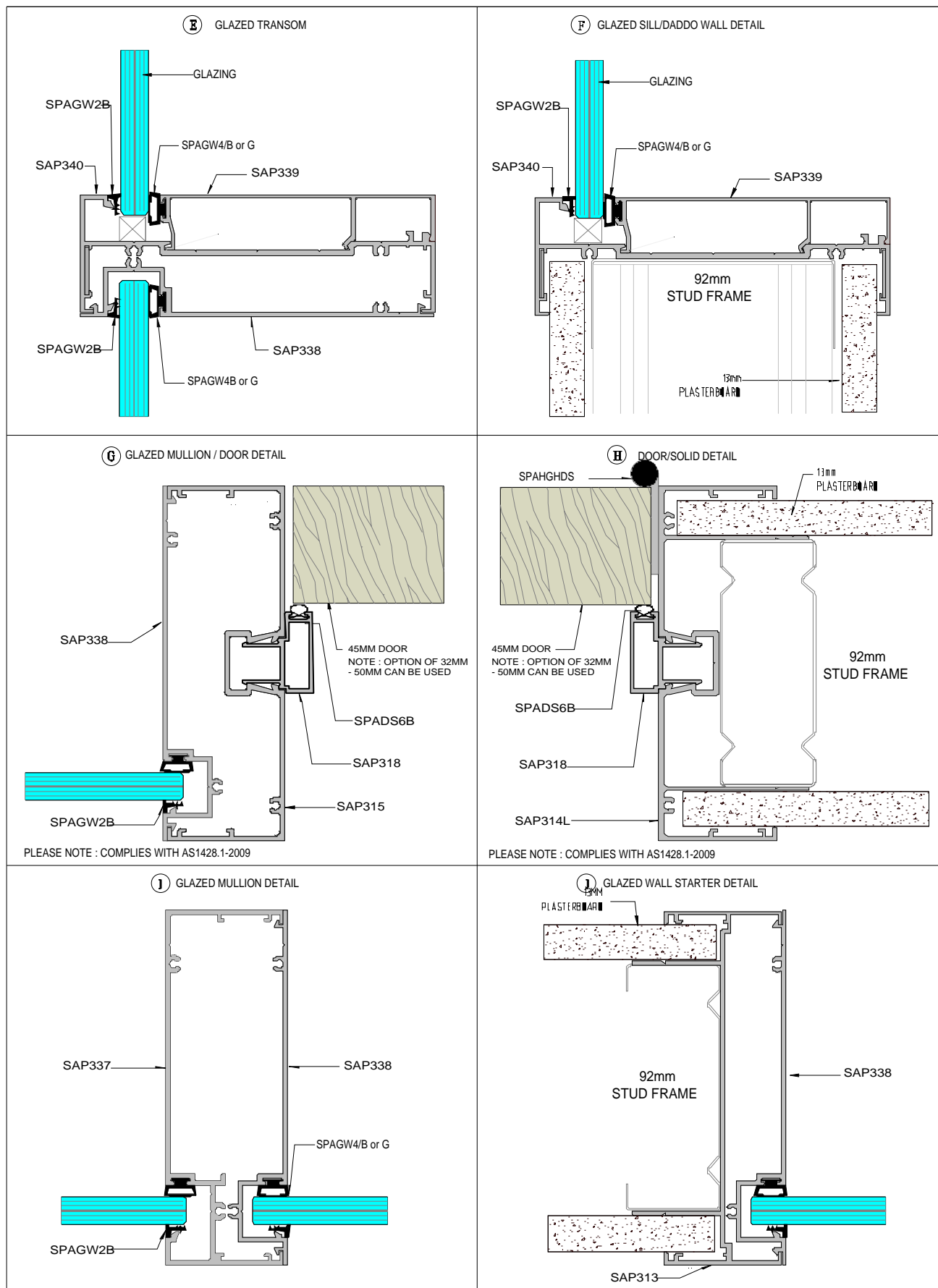


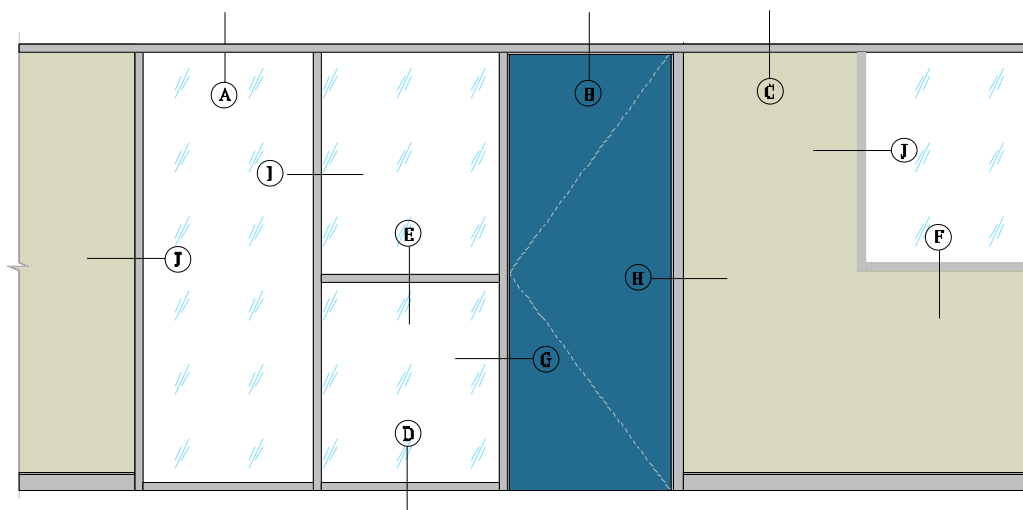
C SOLID HEAD DETAIL



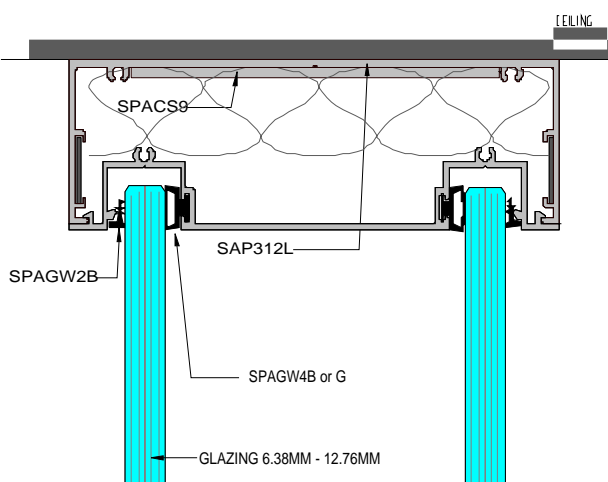
D GLAZED SILL DETAIL



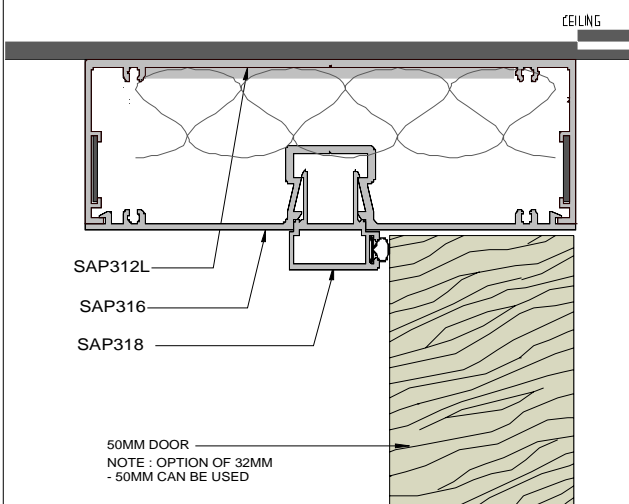




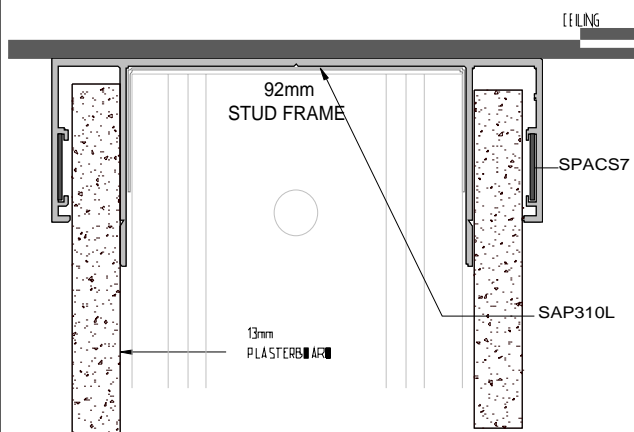
A GLAZED HEAD DETAIL



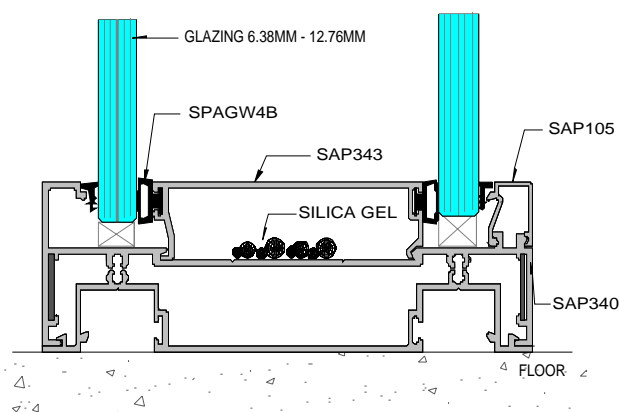
B DOOR HEAD DETAIL

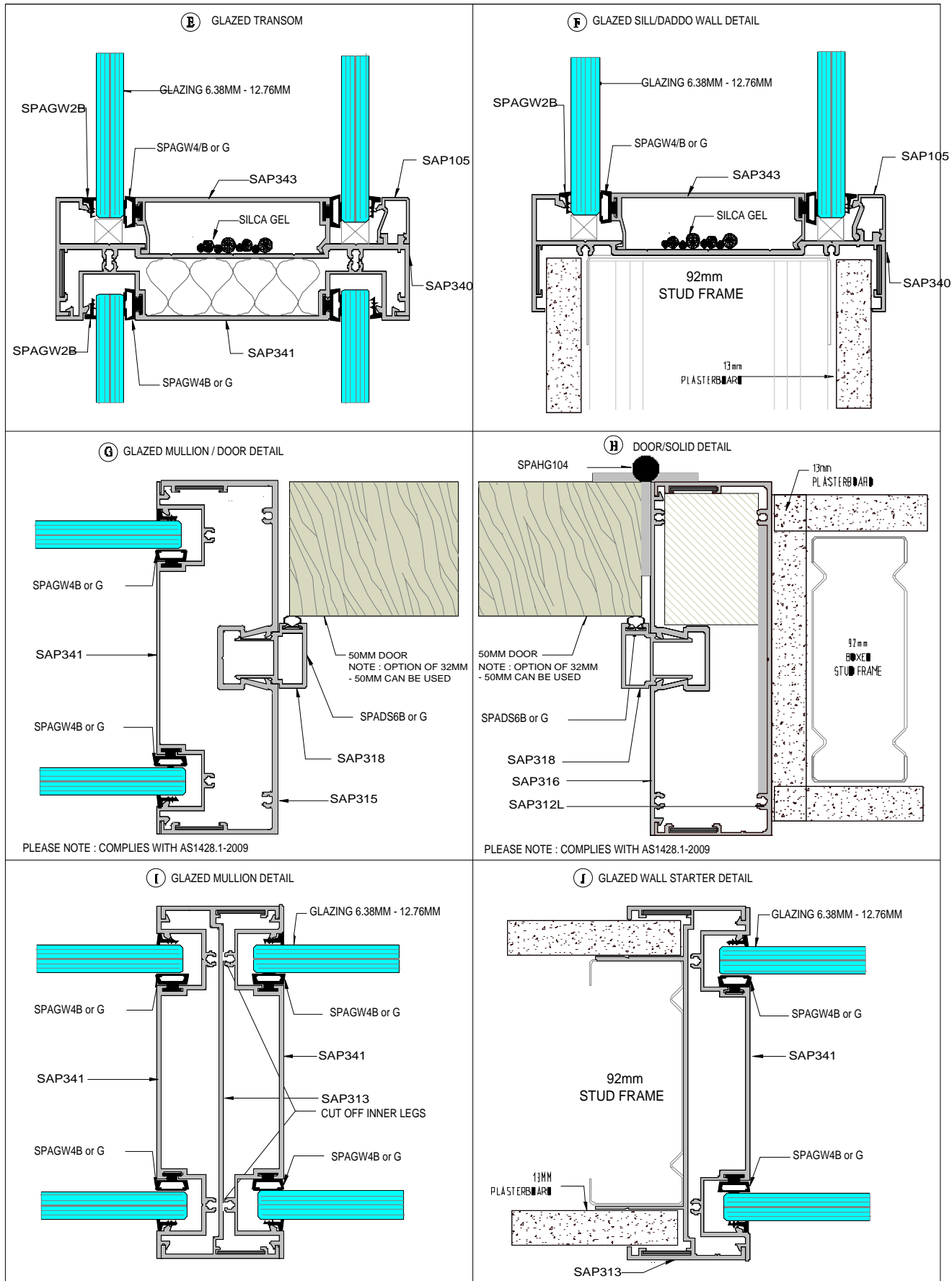


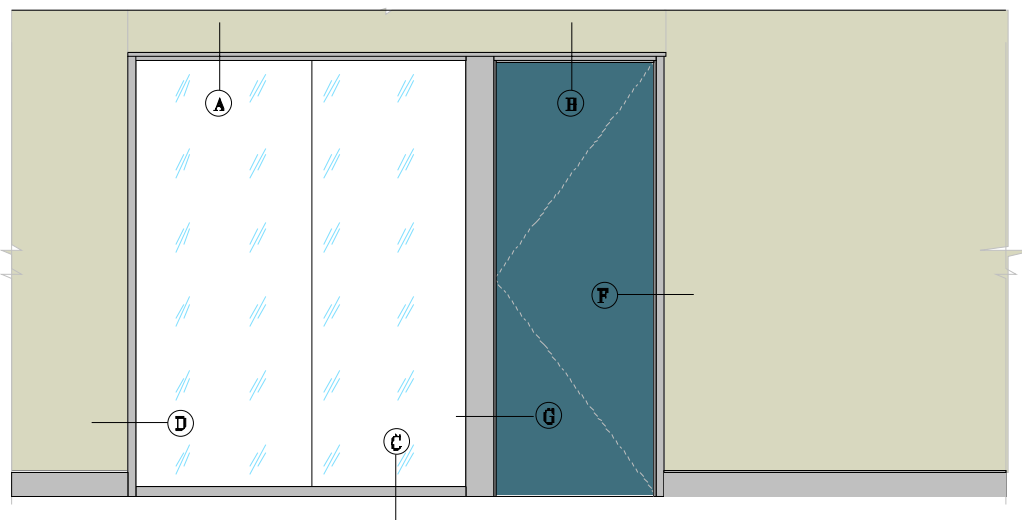
C SOLID HEAD DETAIL



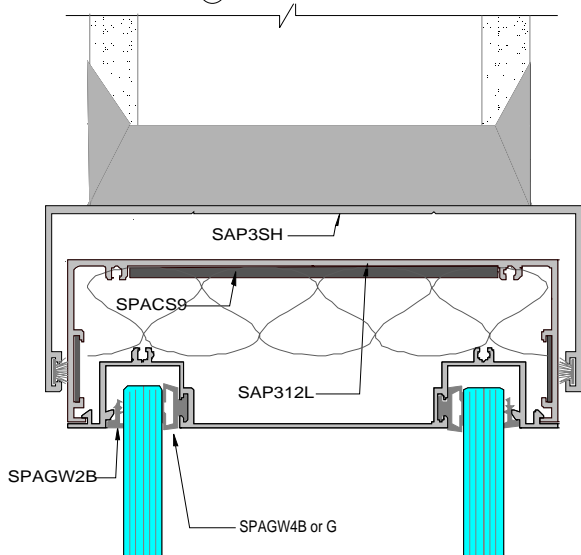
D GLAZED SILL DETAIL



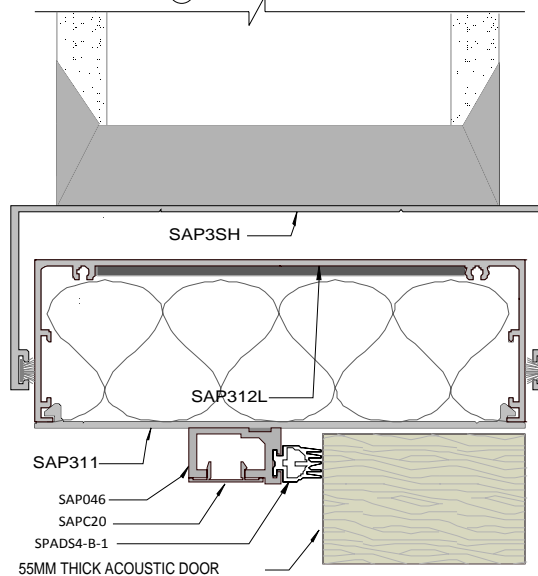




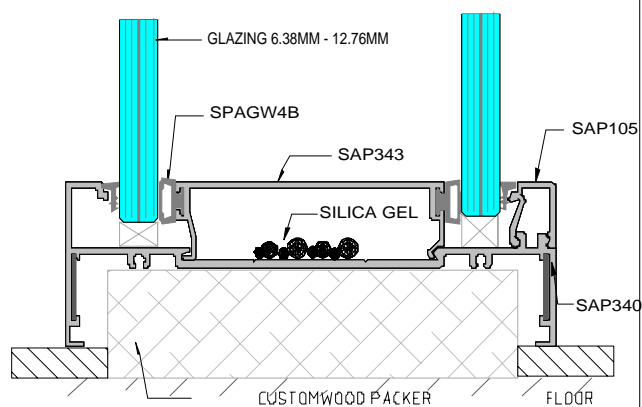
A GLAZED SUB HEAD DETAIL



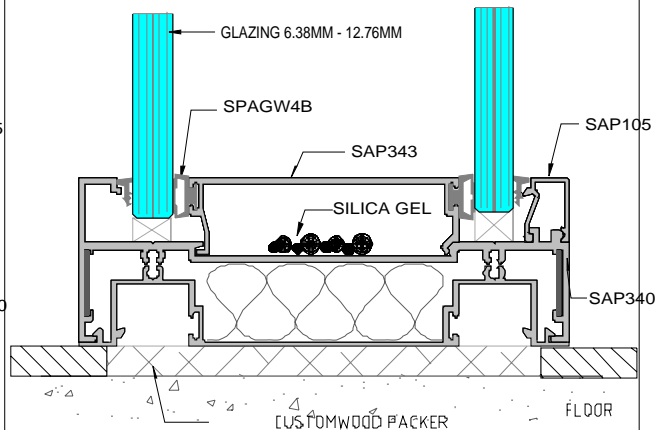
B DOOR SUB HEAD DETAIL



C GLAZED SILL DETAIL - OPTION A

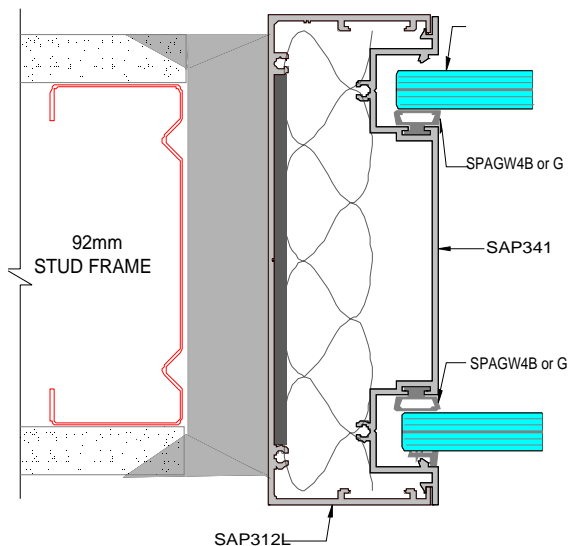


C GLAZED SILL DETAIL - OPTION B

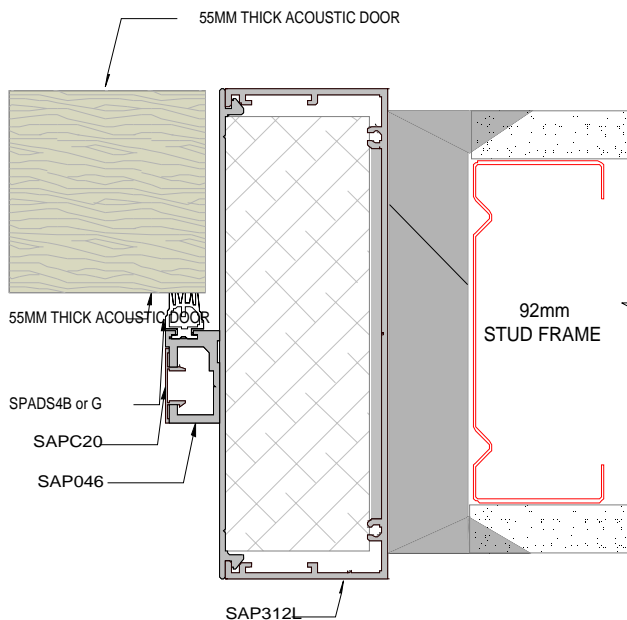


④ GLAZED WALL STARTER DETAIL

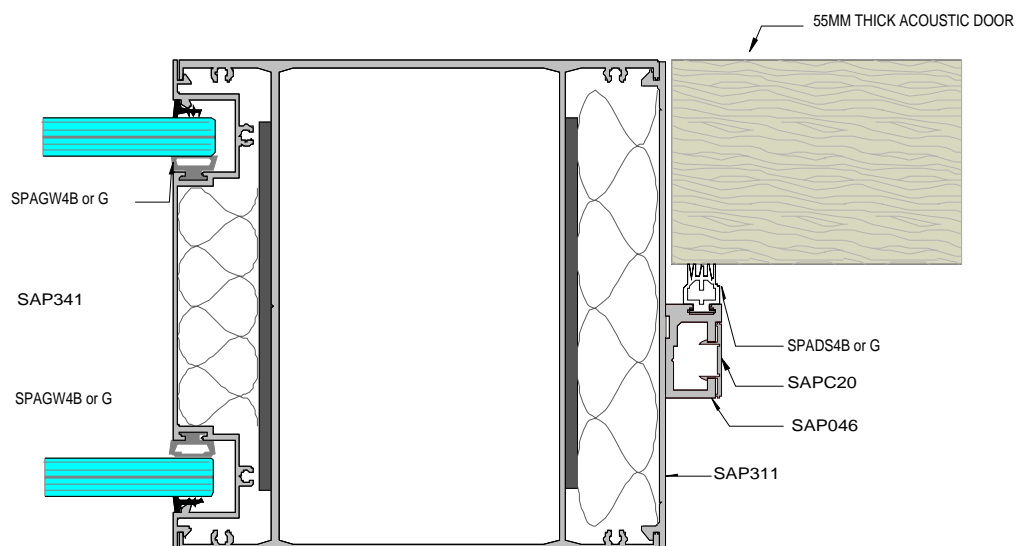
GLAZING 6.38MM - 12.76MM



⑥ GLAZED WALL STARTER/DOOR DETAIL



⑦ GLAZED/DOOR MULLION BOX DETAIL





INTRODUCTION

Sapphire's Shooshline Door Suite provides for aluminium framed glass hinged, sliding doors and pivot for entries or office fronts. The doors can be single or multiple panel mounted and can be finished to match Sapphire's other Partition Suites with the added benefit of being able to glaze upto 14.5mm glass and built in seals for increased acoustics.

COMMON USE

Commercial Office Partitions, Meeting Rooms, Entry Doors

FRAME OPTIONS

- THIN - 50mm (w) x 45mm, accepts mortice locks with Midrail or backplate option
- STANDARD - 75mm (w) x 45mm, accepts shallow backset mortice locks
- LARGE - 115mm (w) x 45mm, accepts deep backset mortice locks

GLAZING OPTIONS

Single glazed 6mm - 14.5mm as per AS1288-2006

FEATURES

- o Rounded Edges for soft touch
- o Snapin Sections all clip inside to maintain original dimensions of sections.
- o Single side Glazing with slide in Wedge (Cannot be deglazed from Public side)
- o Able to comply with Aust BCA Code for LRV colour difference
- o can be ENCAPSULATED in Wideline, Frontline and Microline Suites as a sliding option.

DOOR OPTIONS

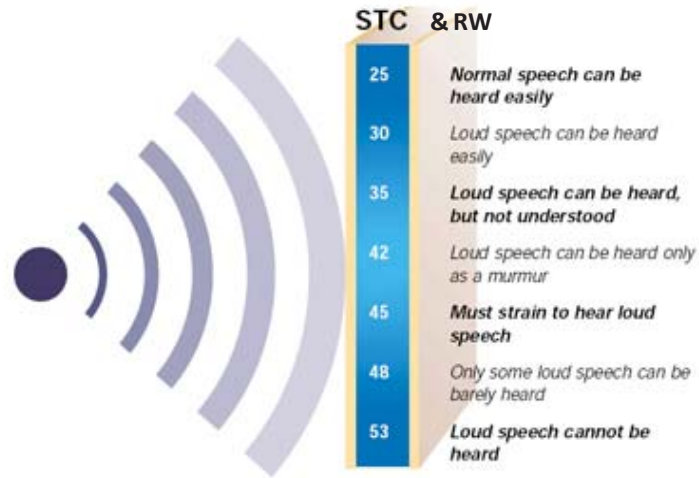
HINGED

SLIDING - Overhead Track and Pelmet which accept soft OPEN/CLOSE tracks by others

SLIDING - Floortrack with Overhead Guide Track options

PLASTERBOARD OPTIONS

Various as this is a glass framing Door system it can be used in conjunction with standard set plasterboard walls or any of the other available Sapphire Partition Suites.



ACOUSTIC PERFORMANCE

WALLS

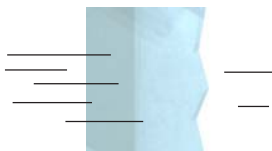
The Sapphire Shooshline Door Suite may be fixed to walls of any thickness or combined with Sapphire Parttition Suites



Refer to wall specification used

GLASS

The Sapphire Aluminium Door Suite will accommodate single glazing from **6mm - 14.5mm**.



33 - 40dB STC

Please Note !

The acoustic performance estimate of Sapphire Parttition Systems is expressed in terms of Rw and Rw+Ctr. The performance of the as built system may be affected by - soundflanking and or the effectiveness of workmanship and other elements outside of Sapphire's control.

SPECIFICATION

The Sapphire Shooshline Suite of sections have been developed with over 25 years of experience in supply of suites to the partition industry and is designed to meet the relevant glazing codes and construction codes for internal framing, however fabricators of aluminium frames should seek certification by a consultant engineer as to the framing being acceptable for the local design impact safety and deflection characteristics required of the site. Detailed calculations should be provided with final drawings of the aluminium frames.

ALLOY

The Sapphire Shooshline Suite is extruded from primary billet only (No remelt) 6060T5 alloy ensuring that it is of the highest quality suitable for anodising finishes and maintaining colour uniformity from batch to batch.

ALUMINIUM

Doors to be Shooshline Suite by Sapphire Aluminium Pty Ltd(not "equal or equivalent"-see note below*)provided with the specified finish detailed in the finishes schedule and installed in accordance with the project design detail and relevant building codes."

Sapphire Shooshline Door is available with 50mm, 75mm or 115mm wide stiles and a range of mid-rail options for single glazed doors.

50mm Stile Hinged and Pivot Doors:

Max recommended door panel height shall be 2700mm.

Max recommended door panel width shall be 1000mm.

75mm Frame Hinged and Pivot Doors:

Max recommended door panel height shall be 2700mm.

Max recommended door panel width shall be 1000mm.

115mm Frame Hinged and Pivot Doors:

Max recommended door panel height shall be 3200mm.

Max recommended door panel width shall be 1200mm.

75mm FrameSliding Doors:

Max recommended door panel height shall be 2700mm.

Max recommended door panel width shall be 2700mm.

75mm FrameSliding Doors:

Max recommended door panel height shall be 2700mm.

Max recommended door panel width shall be 2700mm.

115mm FrameSliding Doors:

Max recommended door panel height shall be 3200mm.

Max recommended door panel width shall be 3500mm.

Note: The above sizes are dependant on the Door Hardware and tracks specified being able to support the door panel weight. Independant engineering advice should be sort for the suitability of any of the above recommendations

HARDWARE

- Glazing wedges shall be Sapphire's wedges for Sapphire's Aluminium Partition Door to suit standard glazing options.
- All other hardware as per SapphireTechnical Manual.

FINISHES

- All anodised material shall be produced by Sapphire to AS1231
- All powder coated material shall be produced by Sapphire to AS3715

CARE & MAINTENANCE

Sapphire Shooshline Suite should only ever need to be washed down with warm water and a mild detergent by rubbing with a soft cloth

Ensure that the cloth is rinsed well with fresh water to remove any detergent residue.

For more information refer to our website www.sapal.com.au

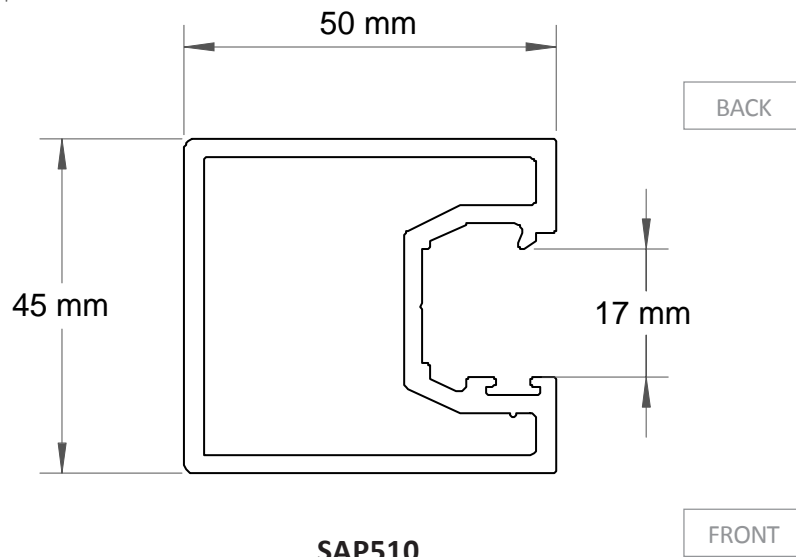
All products are available from Sapphire Aluminium Pty Ltd (A.B.N. 84 123 804 571) as detailed in the "SAPPHIRE" Catalogue or on the Internet at www.sapal.com.au .

PLEASE NOTE !

*excluding the words " equal or equivalent" will avoid substitution of products that in many cases are anything but "equal or equivalent". To further ensure you are provided with quality locally produced Sapphire partition systems you may wish to specify a quality Sapphire coloured anodised finish from our extensive range. These finishes can seldom be achieved on inferior imported extrusions thus preventing substitution of inferior products.

* customised profiles are subject to minimum order quantites

Profiles are subject to change or deletion without notice. Please check on availability prior to specifying or ordering.



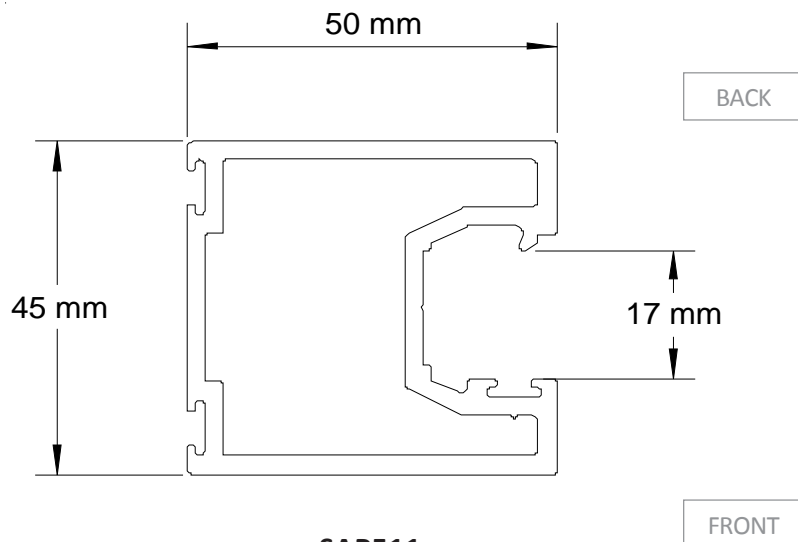
SAP510
SAPHIRE 50MM STILE - PLAIN
 MASS = 1.503 Kg/m PER = 240mm

SAP510 is designed to be used as a Hinge and Lock Stile for Hinged Doors or as a plain stile for sliding doors. The section will accept backset mortice locks when used in conjunction with a 175mm Midrail OR vertical 100x40x3 back plate. SAP510 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

SAP510 accepts SSASP & Zenith WEB1050 pre drilled angle bracket to eliminate twist on the rail

SAP510 is available in 2.8 & 3.6 metre lengths.

Note ! Short Bolts must be used with the spigot that are sold separately to SSASP sets (pre packed with a long bolt)



SAP511
SAPHIRE 50MM STILE - MEETING/PIVOT
 MASS = 1.555 Kg/m PER = 257mm

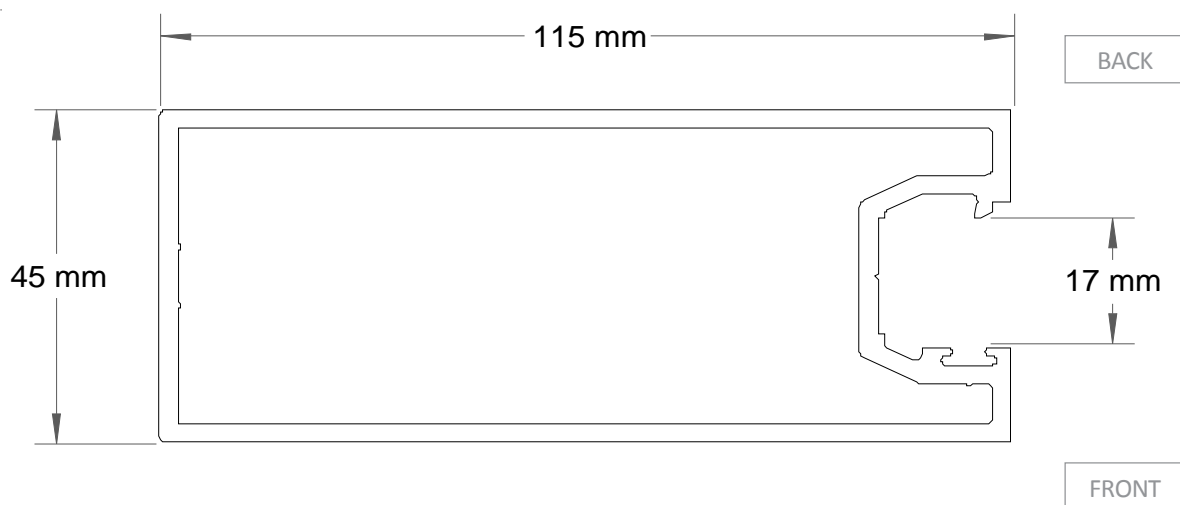
SAP511 is designed to be used as a Hinge and Lock Stile for Pivot Doors or as a meeting stile for sliding doors. The section will accept backset mortice locks when used in conjunction with a 175mm Midrail OR vertical 100x40x3 back plate.

SAP511 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

SAP511 accepts SSASP & Zenith WEB1050 pre drilled angle bracket to eliminate twist

SAP511 is available in 2.8 & 3.6 metre lengths.

Note ! Short Bolts must be used with the spigot that are sold separately to SSASP sets (pre packed with a long bolt)



SAP519

SAPHIRE 115MM STILE - PLAIN

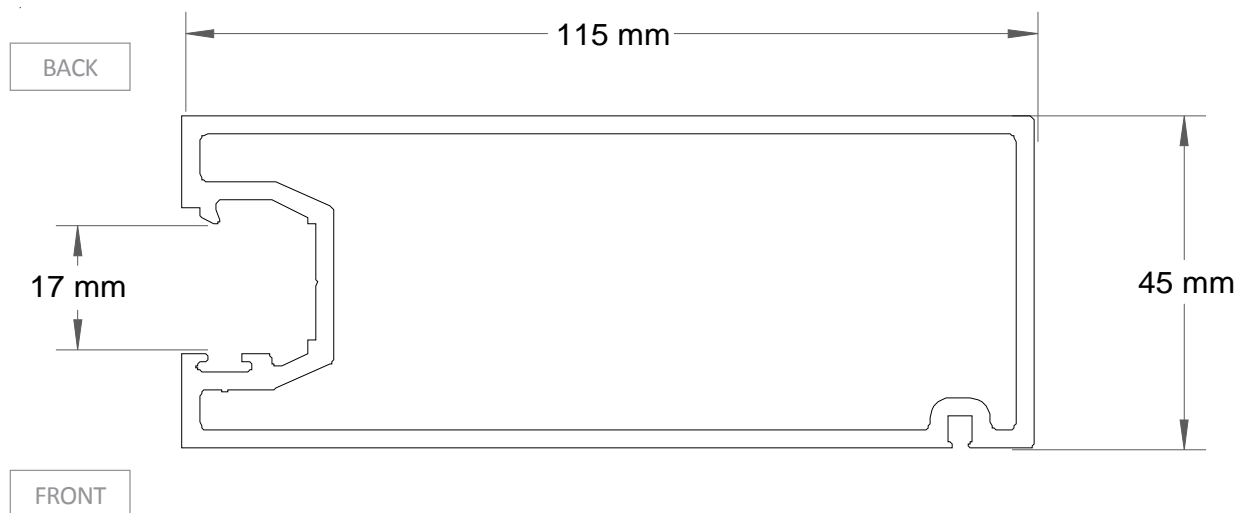
MASS = 2.390 Kg/m PER = 370mm

SAP519 is designed to be used as a Hinge and Lock Stile for Hinged Doors or Plain Lock Stile for sliding doors. The section allows the fitting of standard backset locks allowing the same door furniture to be used throughout a project. When used with SAP426 a 115mm framed door can be manufactured.

SAP519 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

SAP519 accepts SSASP & Zenith WEB1050 pre drilled angle bracket

SAP519 is available in 2.8 & 3.6 metre lengths.



SAP520

SAPHIRE 115MM STILE - HINGE/LOCK

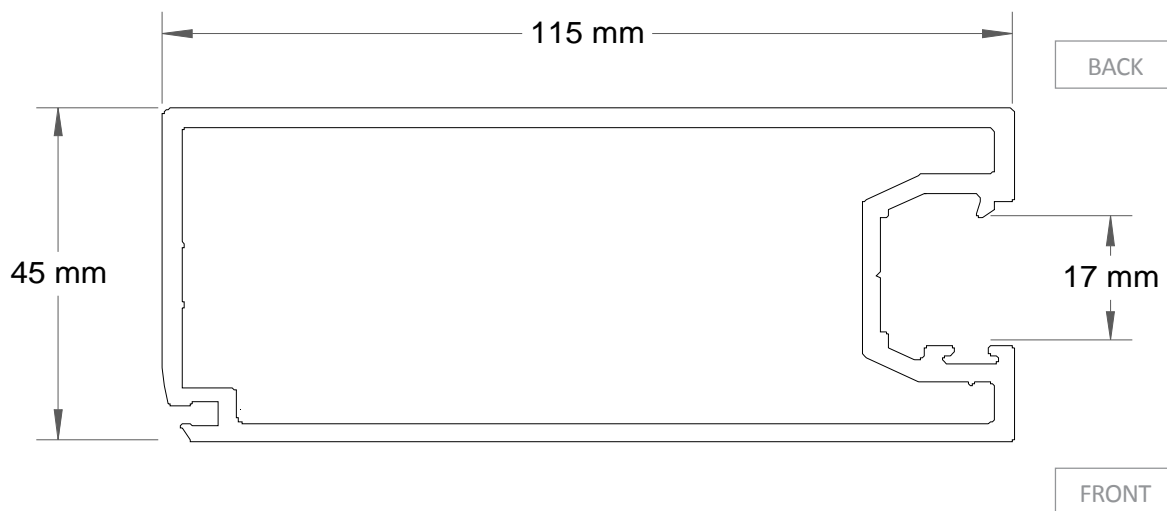
MASS = 2.445 Kg/m PER = 380mm

SAP520 is designed for use with sliding doors and features a groove on the side of the stile for our seal to aid in sealing to the glazed frame. When used with SAP521 /SAP519 and SAP526 a 115mm framed door can be manufactured. When used with SAP526 a 115mm framed door can be manufactured.

SAP520 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

SAP520 accepts SSASP & SSADS13B or G, SSADS14B & Zenith WEB1050 pre drilled angle bracket

SAP520 is available in 2.8 & 3.6 metre lengths.



SAP521

SAPPHIRE 115MM STILE - HINGE/LOCK

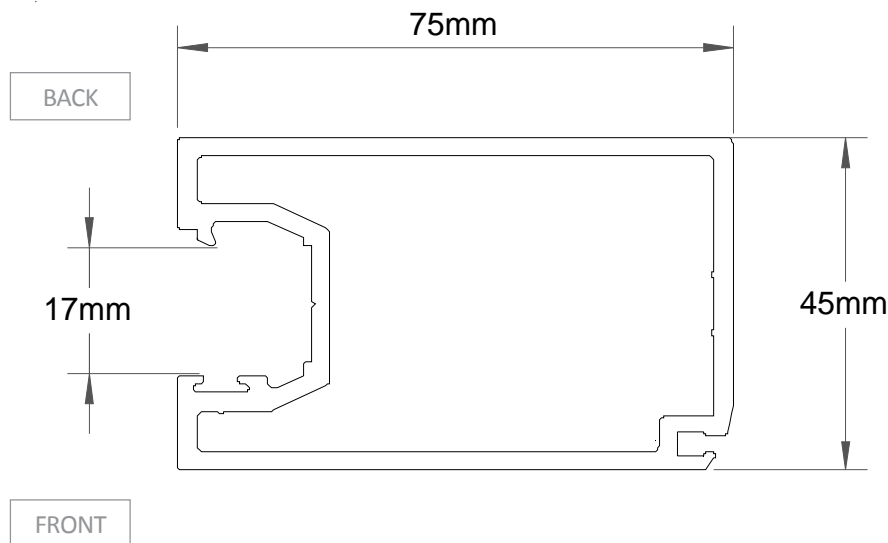
MASS = 2.415 Kg/m PER = 380mm

SAP521 is designed to be used as a Hinge and Lock Stile for Hinged Doors. The section allows the fitting of standard backset locks allowing the same door furniture to be used throughout a project. When used with SAP526 a 115mm framed door can be manufactured.

SAP521 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .

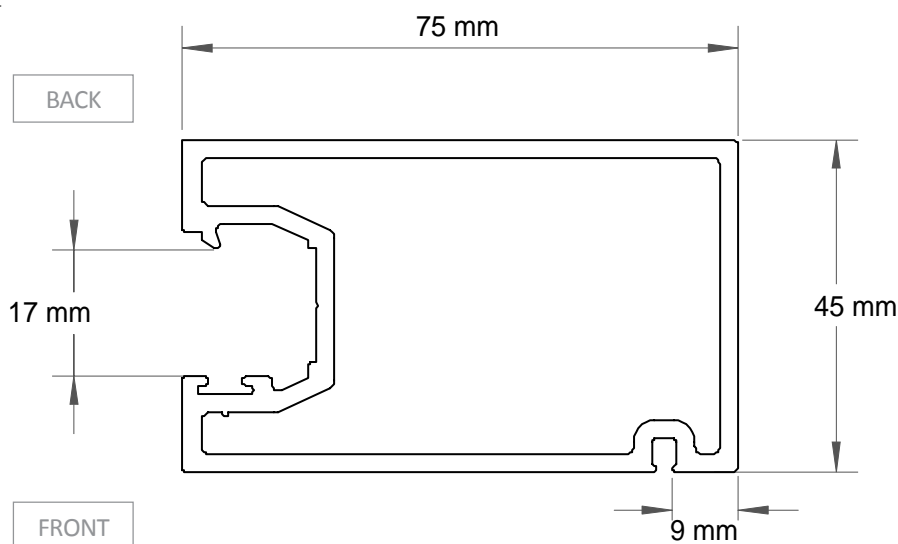
SAP521 accepts SSASP & SSADS12B or G, Zenith WEB1050 pre drilled angle bracket

SAP521 is available in 2.8 & 3.6 metre lengths.



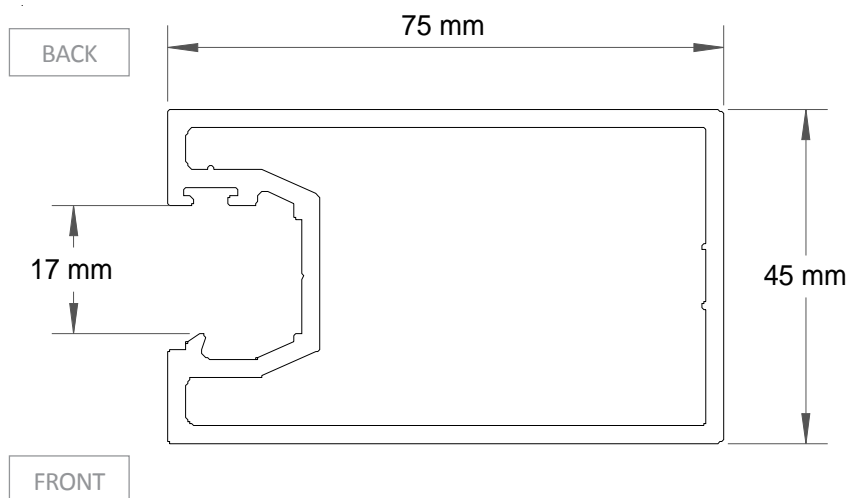
SAP522
SAPPHIRE 75MM STILE - LOCK/HINGE
 MASS = 1.871Kg/M PER = 293mm

SAP522 is a combination lock stile of 75mm in width designed to accommodate the fitting of locks with a deeper backset than normal. When used with SAP525 a 75mm framed door can be manufactured. SAP522 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 . SAP522 accepts SSASP & SSADS12B or G, Zenith WEB1050 pre drilled angle bracket. SAP522 is available in 2.8 & 3.6 metre lengths.



SAP523
SAPPHIRE 75MM STILE - SLIDER
 MASS = 1.900 Kg/M PER = 299mm

SAP523 is designed for use with sliding doors and features a groove on the side of the stile for our seal to aid in sealing to the glazed frame. When used with SAP522 /SAP524 and SAP525 a 75mm framed door can be manufactured. SAP523 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 . SAP523 accepts SSASP & SSADS13,14B or G, Zenith WEB1050 pre drilled angle bracket. SAP523 is available in 2.8 & 3.6 metre lengths.

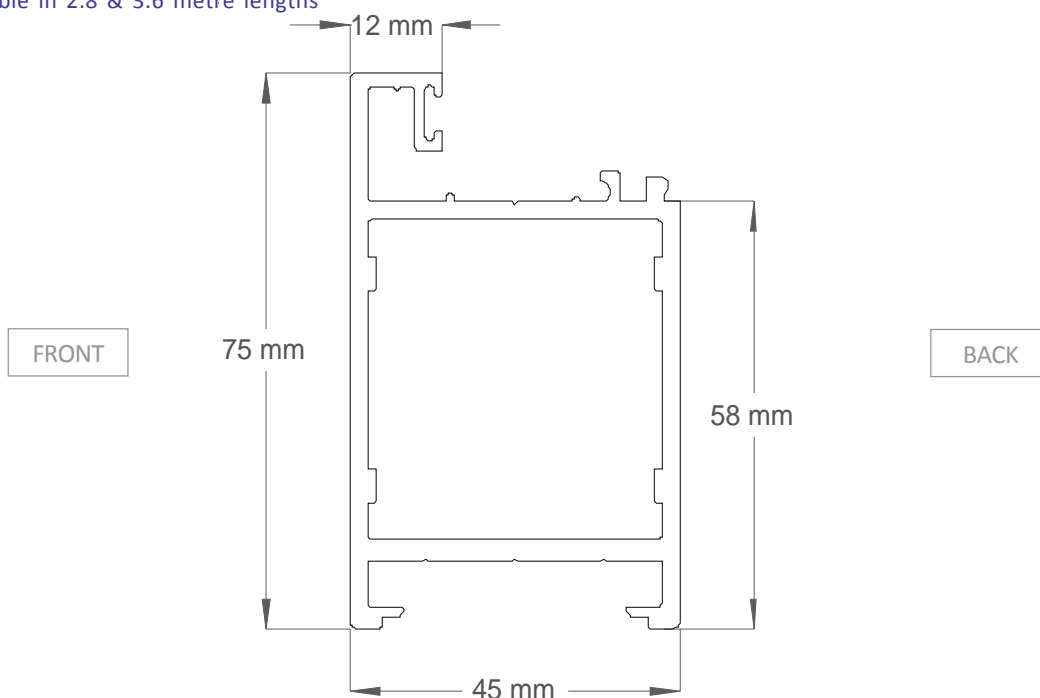


SAP524

SAPHIRE 75MM STILE - PLAIN

MASS = 1.846 Kg/M PER = 290mm

SAP524 is designed as plain stile for Lock and Hinge on Hinged doors or can be used in conjunction with SAP523 for Sliding Doors. When used with SAP422 and SAP425 a 75mm framed door can be manufactured.
SAP524 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .
SAP524 accepts SSASP, Zenith WEB1050 pre drilled angle bracket
SAP524 is available in 2.8 & 3.6 metre lengths

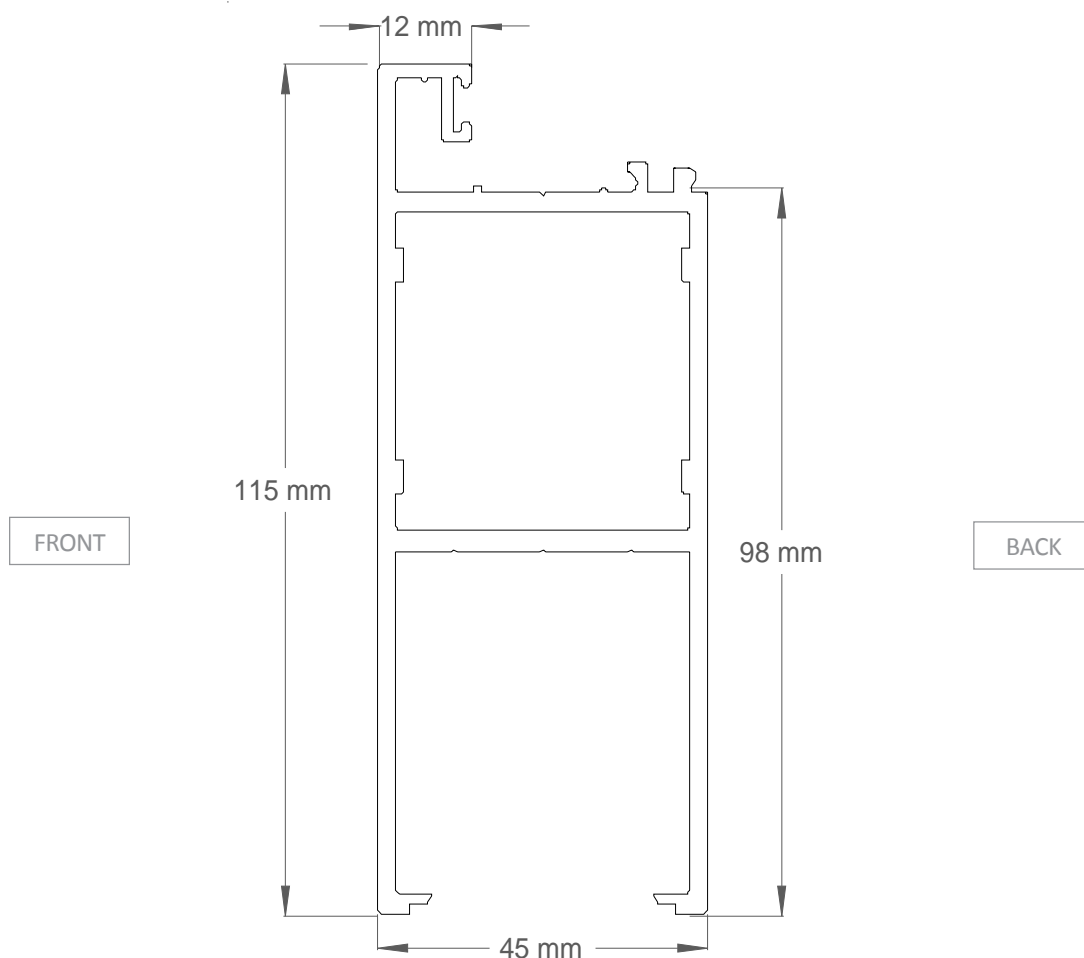


SAP525

SAPHIRE 75MM RAIL

MASS = 1.736 Kg/m PER = 338mm

SAP525 is designed to be used as a top / bottom rail with a width of 75mm. When used with SAP524/SAP522 and SAP523 a framed door of 75mm can be manufactured.
SAP525 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .
SAP525 will accept SAP528, SAP111 & SAP535
SAP525 accepts SSASP, SSATHR, SSAFG, Zenith WEB1050 pre drilled angle bracket
SAP525 is available in 2.5 & 3.6 metre lengths
PLEASE NOTE ! SAP525 Must be routed out to accept floor rollers SSABTR if used for Bottom Rail on Sliding door with floor rollers.

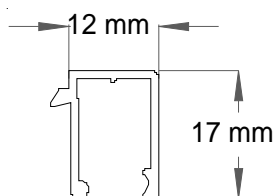


SAP526

SHOOSHLINE 115MM RAIL

MASS = 2.280 Kg/M PER = 497mm

SAP526 is designed to be used as a top and / or bottom rail with a height of 115mm and accepts SAP528 for glazing.
 SAP526 can also be used as 115 Midrail when used in conjunction with SAP116 Midrail adaptor.
 When used in conjunction with 115mm Stiles a 115mm framed door can be manufactured.
 SAP526 will accept glass from 6mm - 14.50mm as per AS1288 - 2006 .
 SAP526 will accept SAP528, SAP111, SAP116 & SAP535
 SAP526 accepts SSASP, SSABTR, SSATHR, SSAFG, Zenith WEB1050 pre drilled angle bracket
 SAP526 is available in 2.5 & 3.6 metre lengths

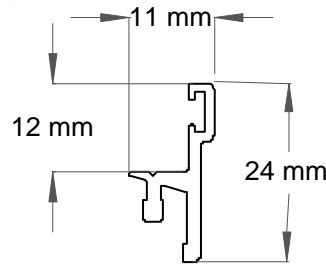


SAP528

SHOOSHLINE DOOR GLAZING BEAD

MASS = .191 Kg/M PER = 112mm

SAP528 is designed to be used with SAP525 and SAP526 for the glazing of glass panels up to 14.50mm in thickness.
 SAP528 is available in 2.5 & 3.6 metre lengths

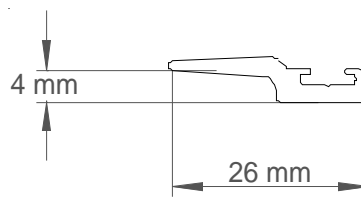


SAP429

SAPPHIRE ENTRY DOOR MEETING STILE ADAPTOR

MASS = .172 Kg/M PER = 100mm

SAP429 is designed to be used with SAP521 and SAP522 when double swing doors are required to provide a seal on the meeting edge of the doors. Slide fit with countersunk screw or pop rivet to fix in place
SAP429 is available in 6.5 metre lengths

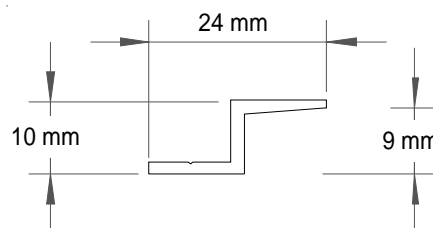


SAP430

SAPPHIRE INTERLOCK (SMALL)

MASS = 0.125 Kg/M PER = 100mm

SAP430 is designed to be used as a interlock seal for a sliding door / mullion detail is required and willaid with aoustics for sliding Aluminium Doors.
SAP430 is face fixed to all Shooshline Stiles and to the adjacent Sapphire Framing Mullion
SAP430 accepts brush seal to cover screw fixing and aid in acoustics
SAP430 is available in 6.5 metre lengths

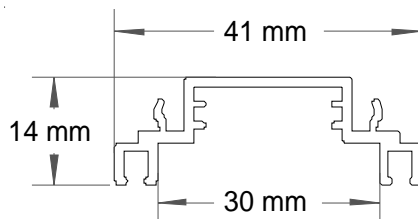


SAP434

SAPPHIRE INTERLOCK (LARGE)

MASS = 0.125 Kg/M PER = 100mm

SAP434 is designed to be used as a interlock when multi stack door design is required and willaid with aoustics for sliding Aluminium Doors.
SAP434 is face fixed to all Shooshline Stiles
SAP434 is available in 6.5 metre lengths



SAP535

SHOOSHLINE BOTTOM DOOR RAILCLIP IN SEAL/ROLLER GUIDE

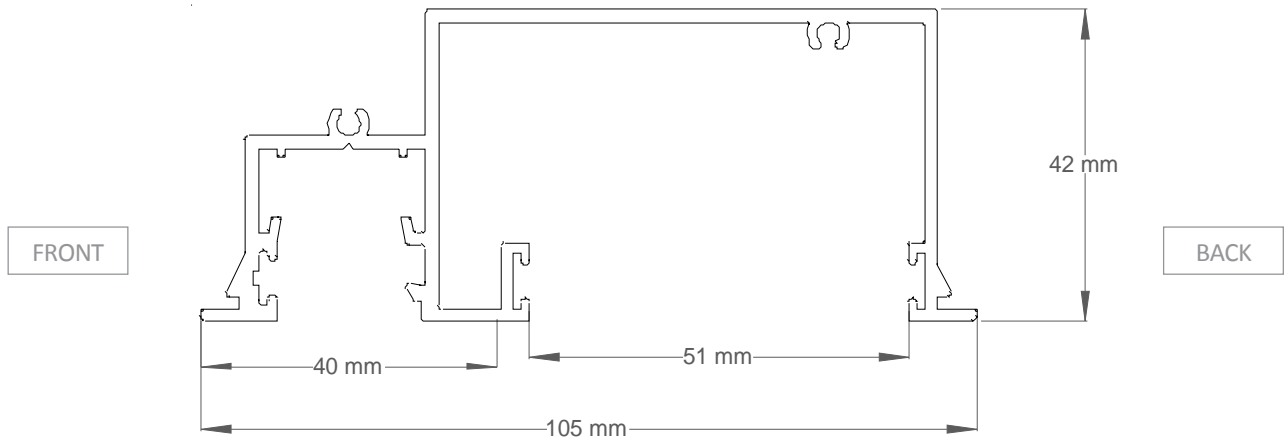
MASS = 0.412 Kg/M PER = 212mm

SAP535 is designed to be used as a bottom/top rail seal for SAP525/526 to aid with acoustics for sliding with Overhead Pelmet/Track, floor tracks and hinged/ Pivot Aluminium Doors.

SAP535 will accept SSADS12, 13 or 20

SAP535 is available in 3.6 metre lengths

Note ! . When installing in SAP525 run the saw through the top face of the section where screws are fixed in the spigot to avoid fouling. If installing SSABTR then a slot must be cut/routed into the section to allow the roller to be fitted.



SAP480

SAPPHIRE SNAP IN GLAZED HEAD CHANNEL

MASS = 1.260Kg/M PER = 522mm

SAP480 is designed as a snap in glazed head channel for Sliding Doors in combination with our floor track combination SAP484 / SAP484B. This makes it possible to run encapsulated Sliding Doors within Wideline, Frontline and Microline designs when used in combination with SAP481. SAP480 can only be used with Microline/ Frontline framing due to 40mm restriction on width at front edge.

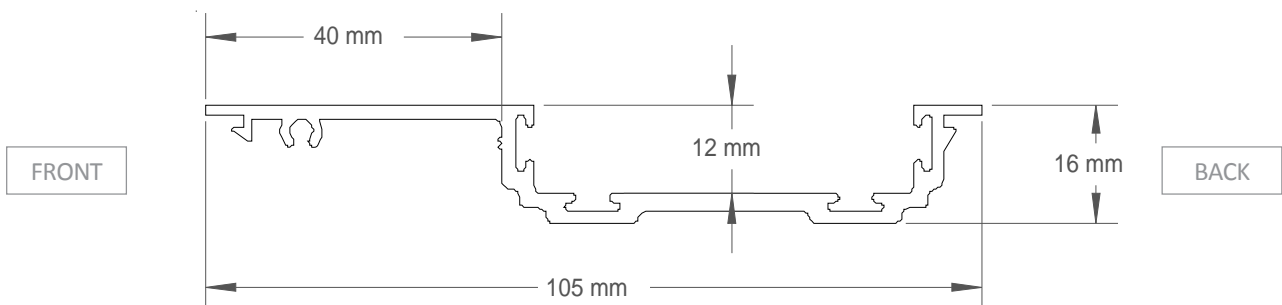
Rail height can be adjusted to suit from Rail height less 10mm - 30mm based on visual size required. For instance if you want a 50mm visible top rail specify SAP525 allow for 25mm penetration into SAP480

SAP480 will snap into SAP012L

SAP480 accepts SAPPFI & SAP483

SAP480 accepts SPADS1, SPADS2, SPADS3, SPADS6, SPAGW1 - 6

SAP480 is available in 2.8 & 3.6 metre lengths



SAP481

SAPPHIRE CLOSING CHANNEL SNAP IN

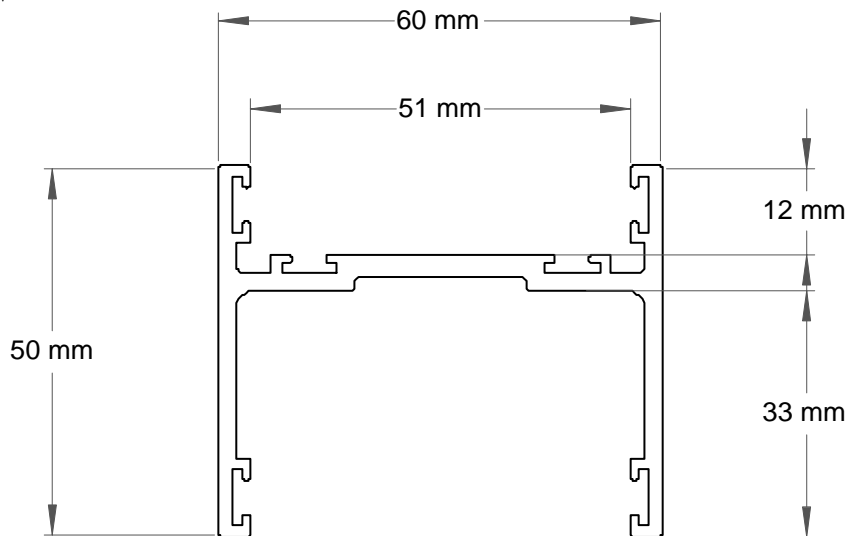
MASS = 1.846 Kg/M PER = 290mm

SAP481 is designed as snap in receiver channel for Sliding Doors. It can only be used with Frontline/Microline framing due to 40mm restriction on width at front edge.

SAP481 will snap into SAP012, SAP012L, SAP013L, SAP014L, SAP015, SAP021, SAP024, SAP024D, SAP037 & SAP040

SAP481 accepts SPADS1, SPADS2, SPADS3, SPADS6

SAP481 is available in 2.8 & 3.6 metre lengths



SAP582

SAPPHIRE CLOSING CHANNEL

MASS = 1.013 Kg/m PER = 276mm

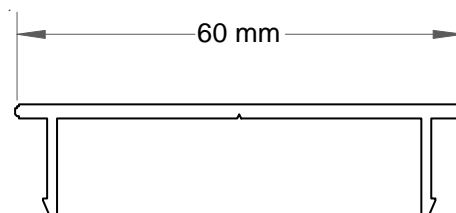
SAP582 is designed to be used as a closing channel and door guide for sliding doors and features concealed face for locks to be latched with buffer strips.

SAP582 is used in conjunction with SAP484 or SAP485/6 to provide a solution for sliding aluminium doors

SAP582 will accept SAP483, SAP510 SAP511, SAP519, SAP520, SAP521, SAP522, SAP523, SAP524, SAP525 & SAP526

SAP582 accepts SPADS1/B or G and SPADS3B or G

SAP582 is available in 2.8,3.6 or 5.6 metre lengths.



SAP583

SAPPHIRE CLOSING CHANNEL COVER

MASS = 0.367 Kg/m PER = 304mm

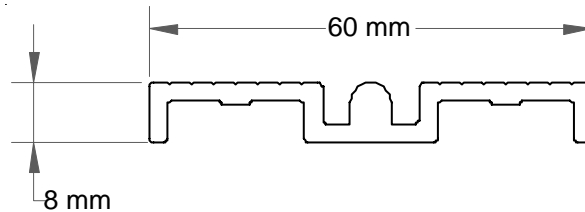
SAP583 is designed as a snap on cover for SAP582 and can be used in one of three ways

OPTION 1 - Screw vertically to wall and snap on SA5482 deep side for concealed fixing for Closing Channel for sliding doors

OPTION 2 - Snap on SAP583 after SAP582 has been fixed to a mullion in a vertical position through the side to conceal the fixing and finish off the back deep face for sliding doors

OPTION 3 - Snap on top on shallow side if required when used horizontally as overhead channel guide for sliding doors

SAP583 is available in 2.8 metre lengths.



SAP484

SAPHIRE SLIDING FLOOR TRACK

MASS = .551 Kg/m PER = 159mm

SAP484 is designed to be used as a floor track for sliding doors. At 8mm (or 10mm when used with SAP484/B) in height is easily compatible with carpet tiles and 60mm wide lines up with SAP482 for multiple sliding doors side by side.

SAP484 may simply be placed over SAP484/B and use the weight of the door to hold it in place or can be fixed by way of countersunk fixings to the face on either side of the roller or placed over SAP484/B and may also be held in place with double sided tape.

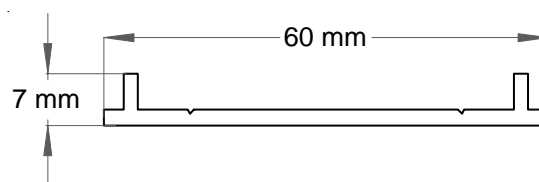
SAP484 will accept SAP525/5256 fitted with SSABTR

SAP484 is available in 3.6 & 5.6 metre lengths.

PLEASE NOTE !

Due to this section being a high traffick wearing item it should always be specified in a 25 micron (AA25) Anodised Finish.

A threshold is available for polished concrete options.



SAP484/B

SAPHIRE SLIDING FLOOR TRACK BASE

MASS = .350 Kg/m PER = 159mm

SAP484/B is designed to be used as a base for our floor track SAP484. SAP484/B is generally installed in Mill Finish as it is not seen, however you may specify in any finish.

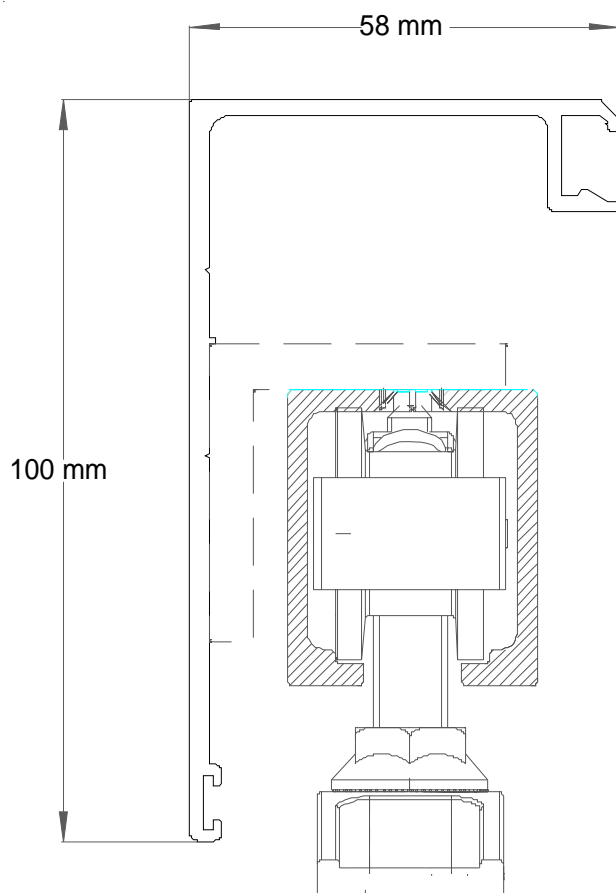
SAP484/B is fixed by way of Powder actuated or Gas Gun into the slab.

SAP484/B will accept SAP484

SAP484/B is available in 3.6 & 5.6 metre lengths.

PLEASE NOTE !

IF this is to be fixed to a concrete slab ensure the slab is ardittd to level prior to fixing !



SAP585

SHOOSHLINE OVERHEAD PELMET TRACK

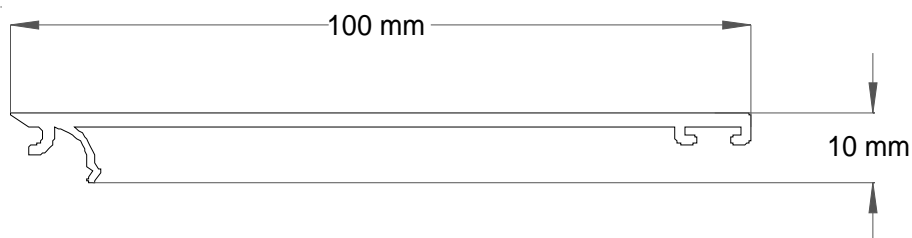
MASS = 1.615 Kg/m PER = 412mm

SAP585 is designed to be used as an overhead track for sliding doors to a maximum weight of 100 Kg and can be used in conjunction with a number of standard tracks such as Hafele with soft open and close functions. SAP585 can also be fixed to SAP114 Multiglaze Section as a Headrail which is also 100mm high.

SAP585 accepts SPADS1/B or G

SAP585 is available in 3.6 & 6.5 metre lengths.

Hafele Hawa Track and SAS40x40x6 fixing angle shown are available for purchase separately and are not included.



SAP586

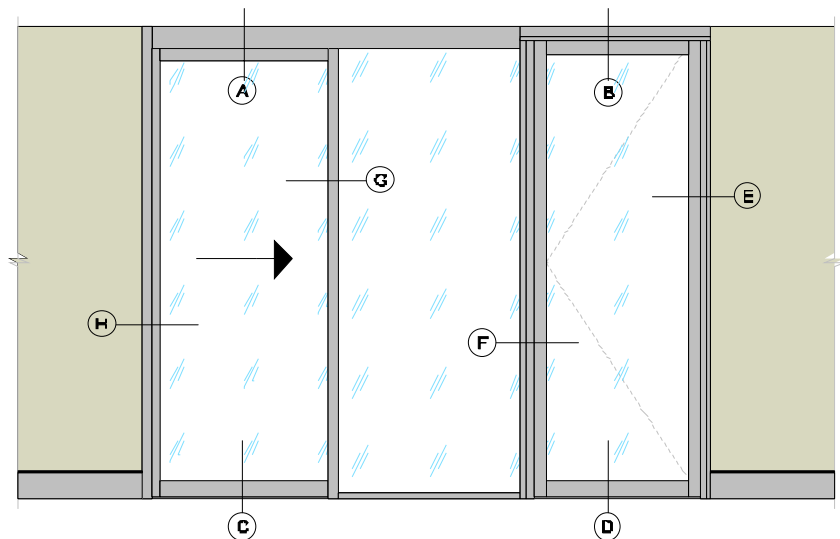
SHOOSHLINE PELMET COVER

MASS = .545 Kg/m PER = 214mm

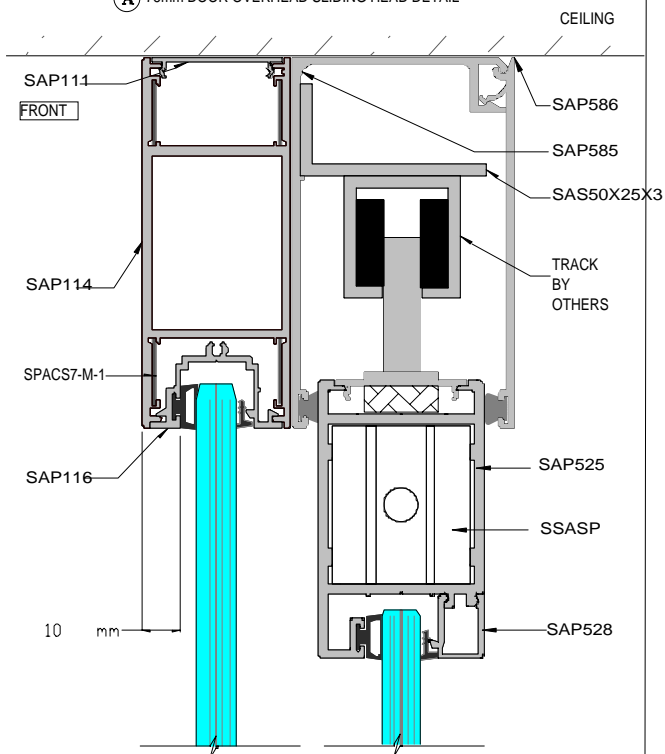
SAP586 is a flush pelmet cover designed to be clipped into SAP585.

SAP586 accepts SPADS1/B or G.

SAP586 is available in 3.6 & 6.5 metre lengths.

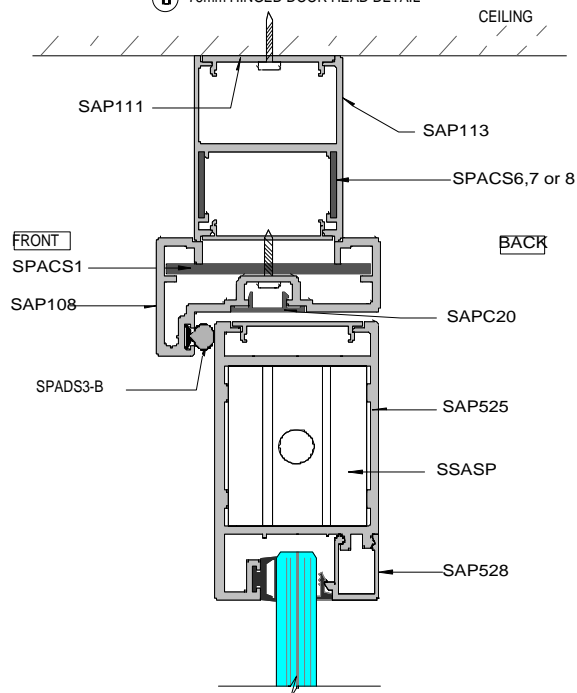


Ⓐ 75mm DOOR OVERHEAD SLIDING HEAD DETAIL



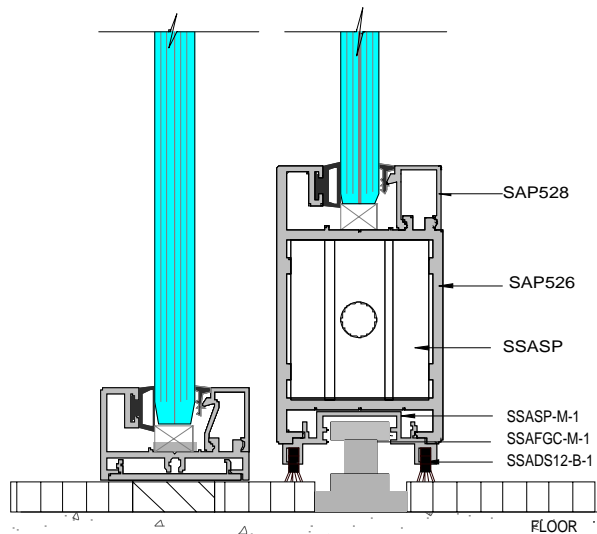
ENGINEERING ADVICE TO BE SORT REGARDING THE SUITABILITY OF FIXING AND STRUCTURAL STRENGTH FOR ANY OVERHEAD DOOR OR TRACK.

Ⓑ 75mm HINGED DOOR HEAD DETAIL

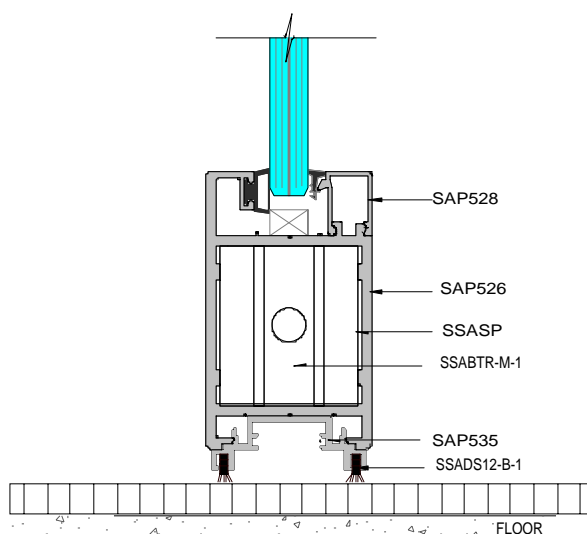


ENGINEERING ADVICE TO BE SORT REGARDING THE SUITABILITY OF FIXING AND STRUCTURAL STRENGTH FOR ANY OVERHEAD DOOR OR TRACK.

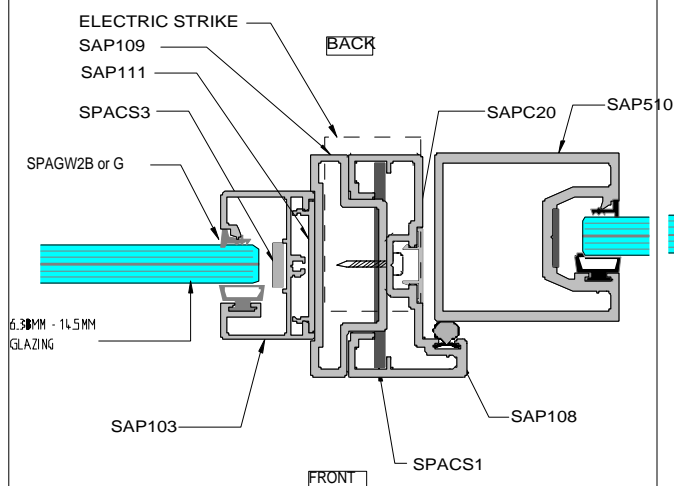
(C) 75mm SLIDING DOOR FLOOR DETAIL



(D) 75MM HINGE DOOR FLOOR DETAIL

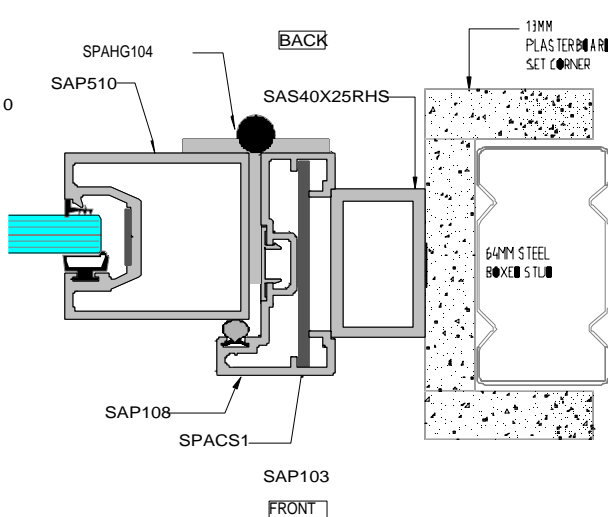


(E) GLAZED MULLION/DOOR DETAIL

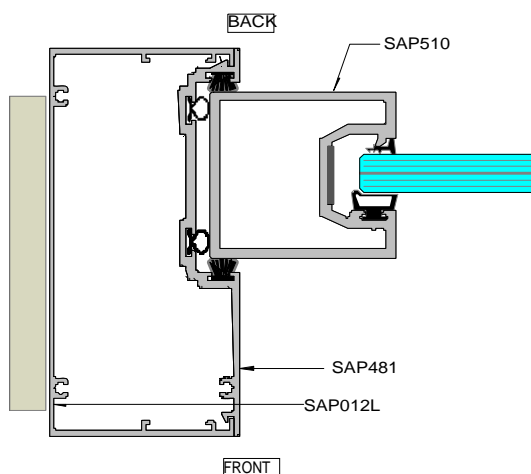


PLEASE NOTE ! LOCKS CANNOT BE FITTED TO SAP510

(F) DOOR FRAME DETAIL

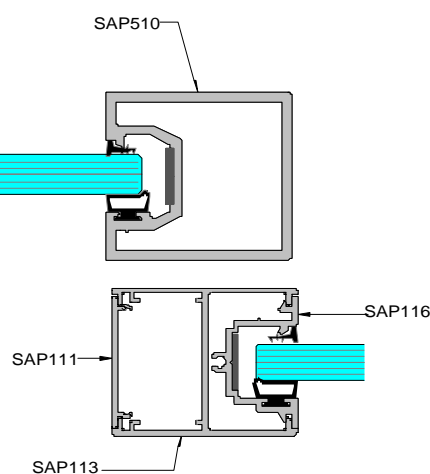


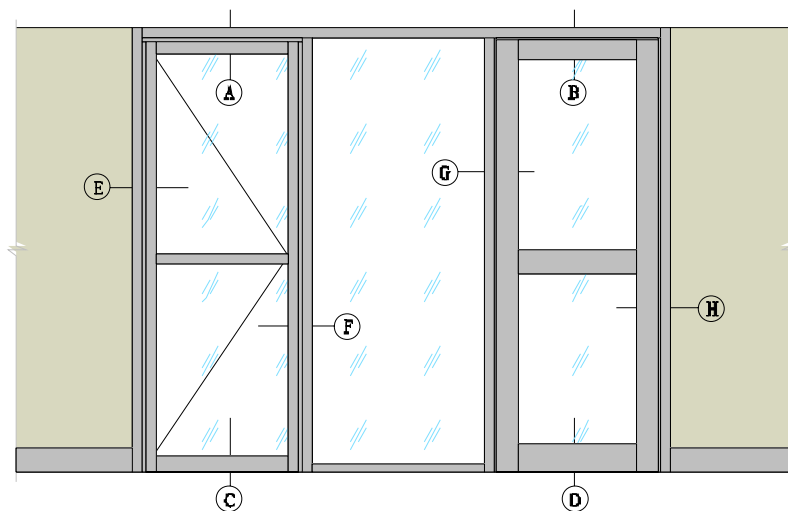
(H) 50MM SLIDING DOOR LOCK DETAIL



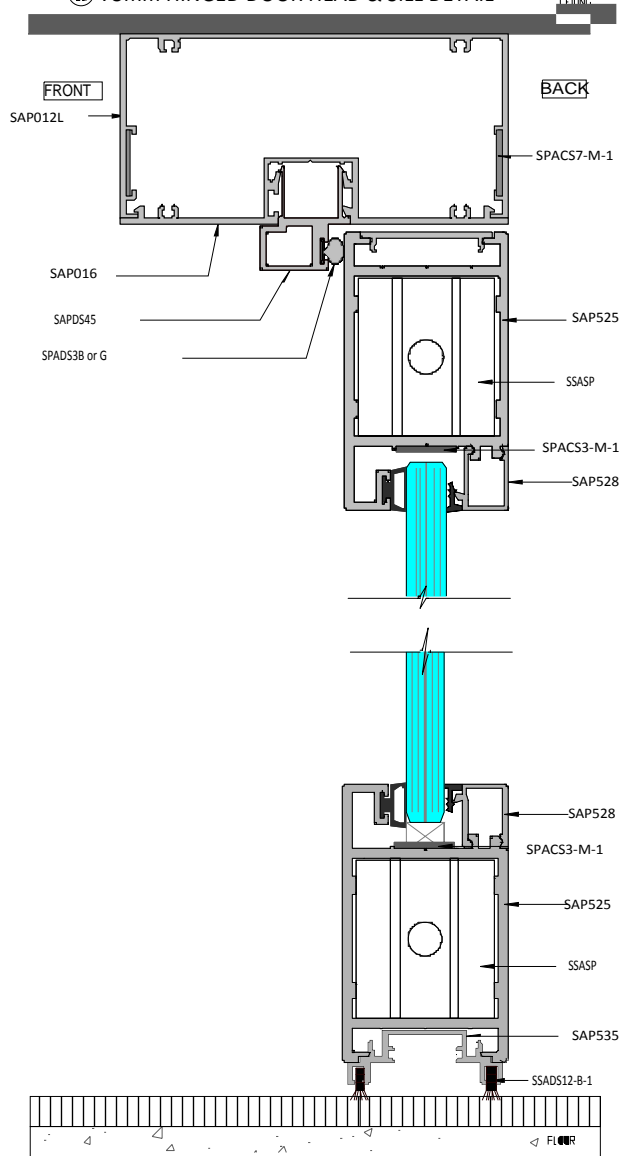
PLEASE NOTE ! SLIDING DOOR LOCKS CAN ONLY BE FITTED TO SAP510 SUCH AS 2010 SERIES BY DORIC

(G) 50MM SLIDING DOOR MULLION DETAIL

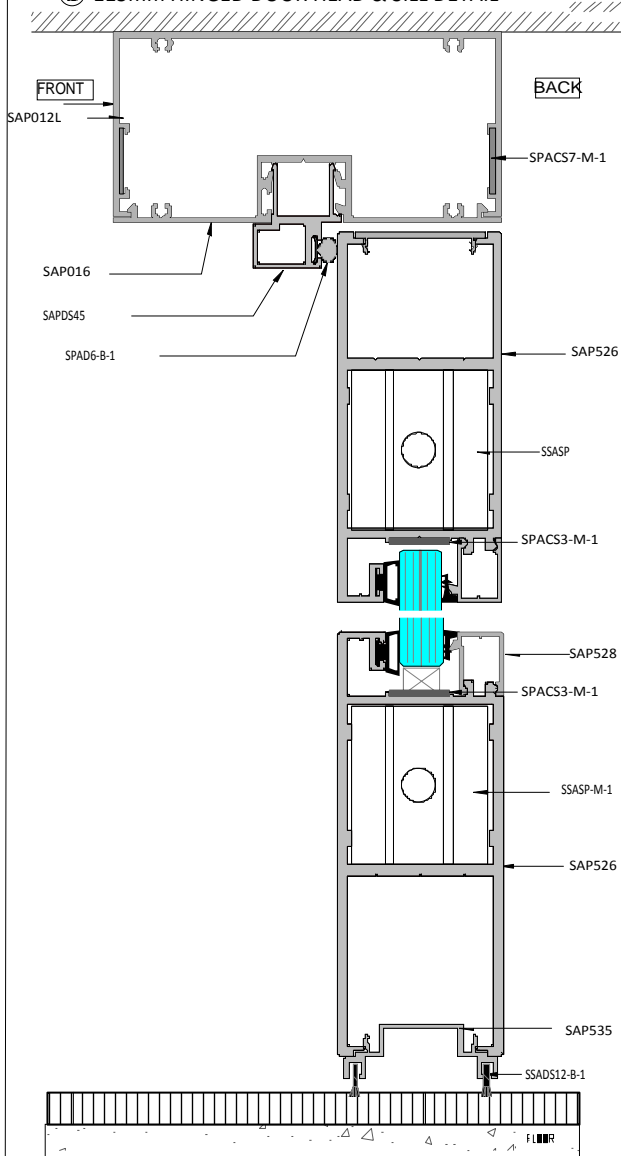


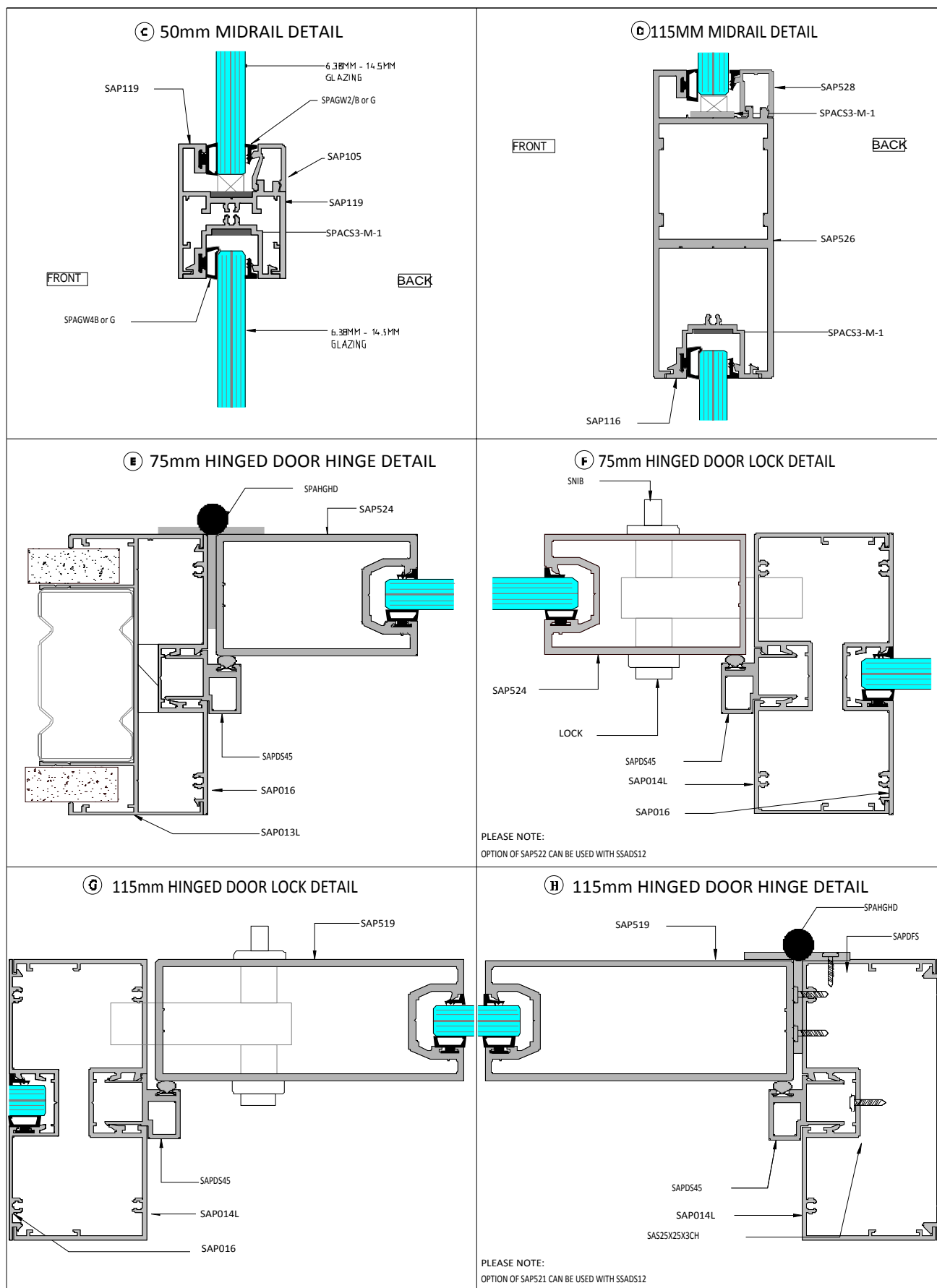


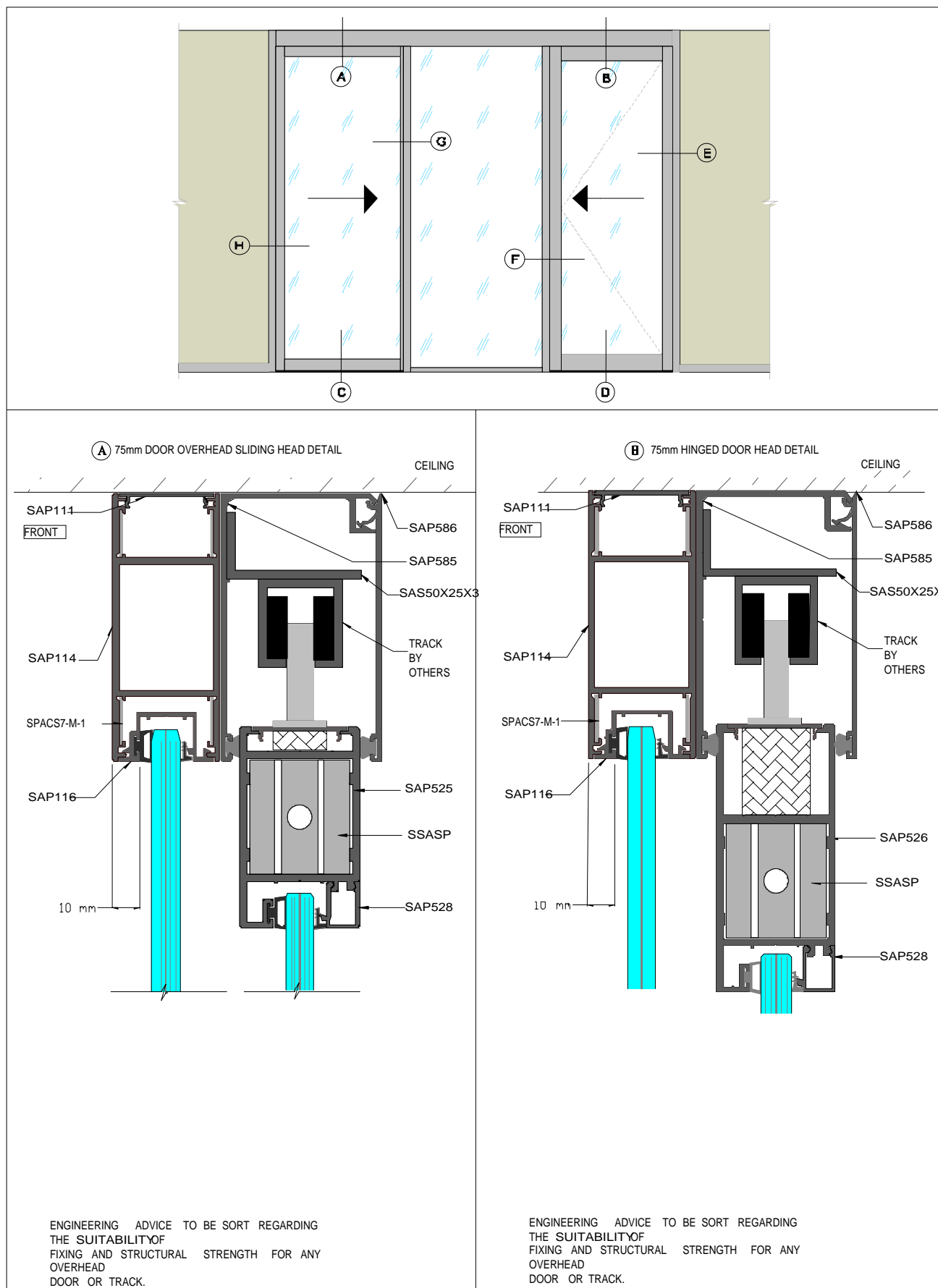
A 75mm HINGED DOOR HEAD & SILL DETAIL

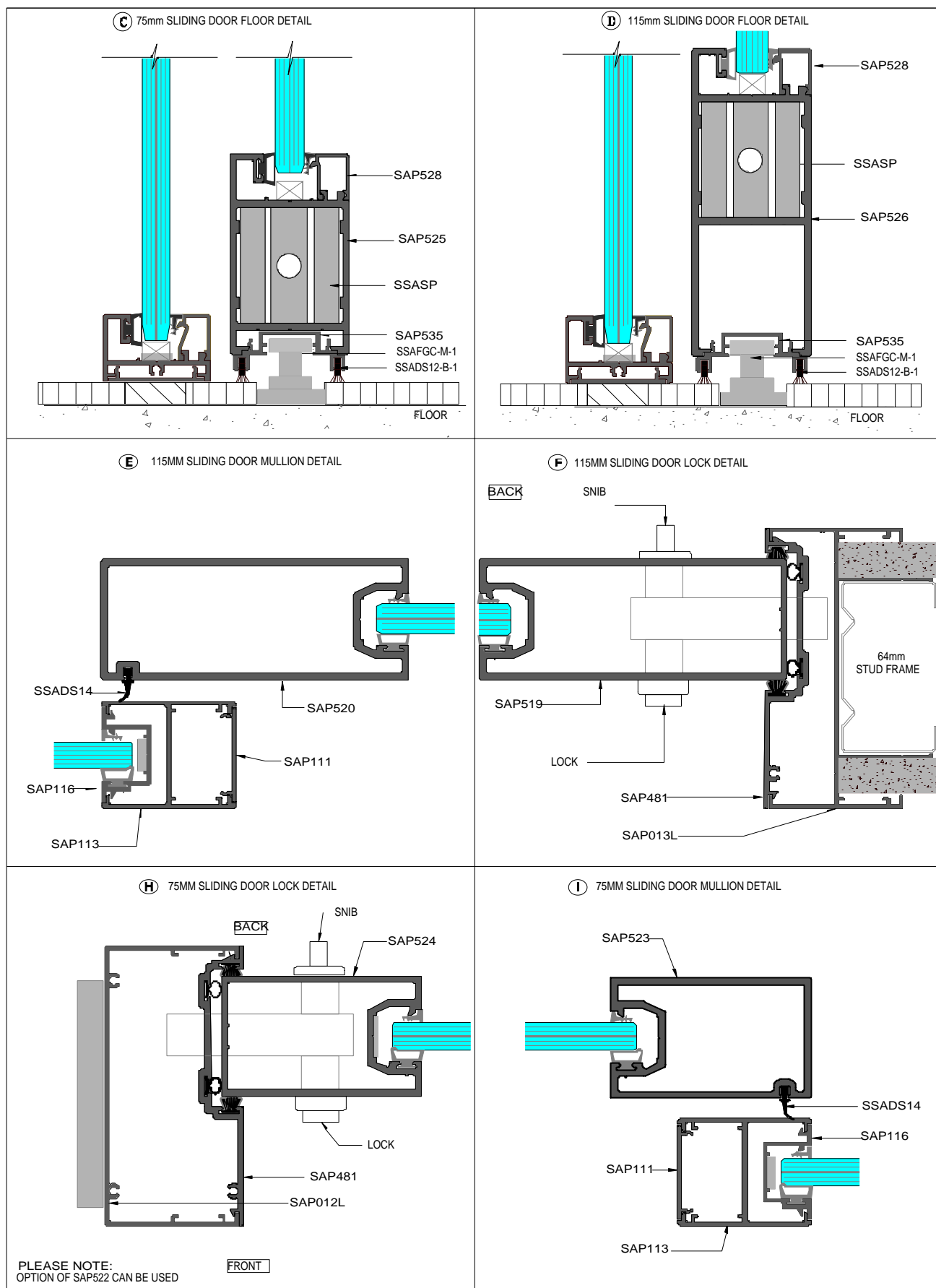


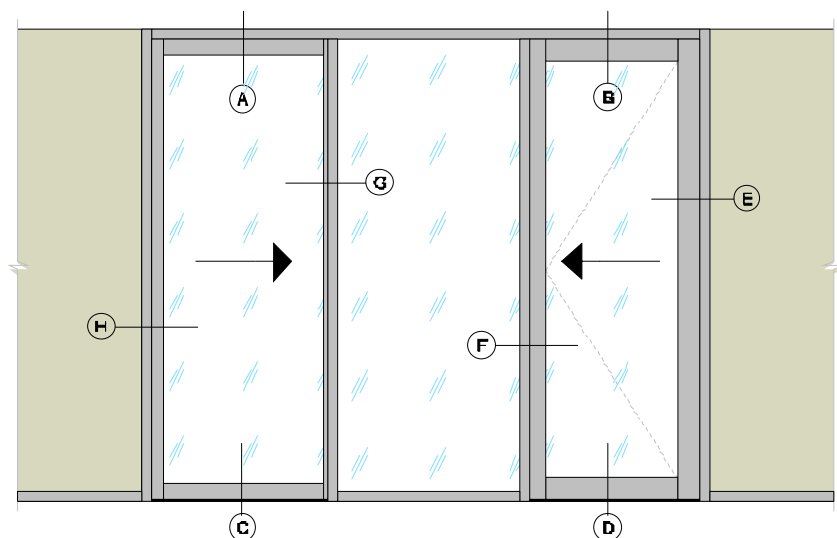
B 115mm HINGED DOOR HEAD & SILL DETAIL



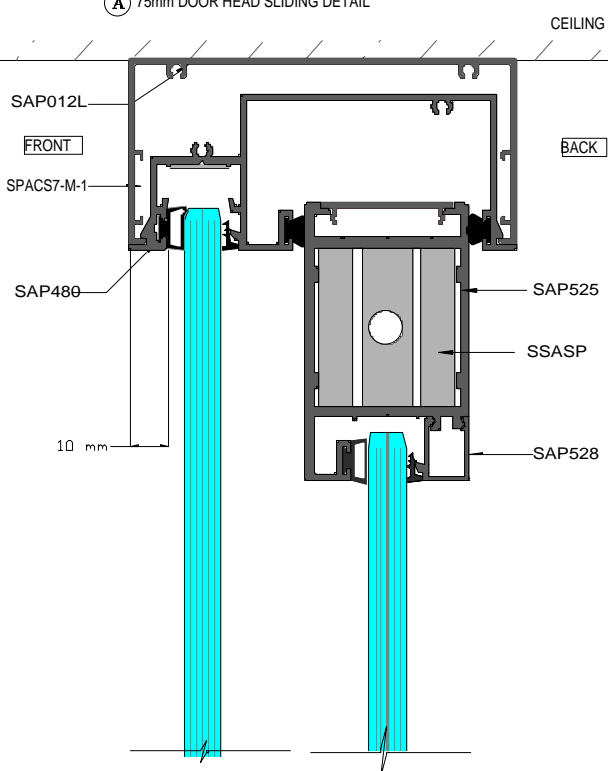




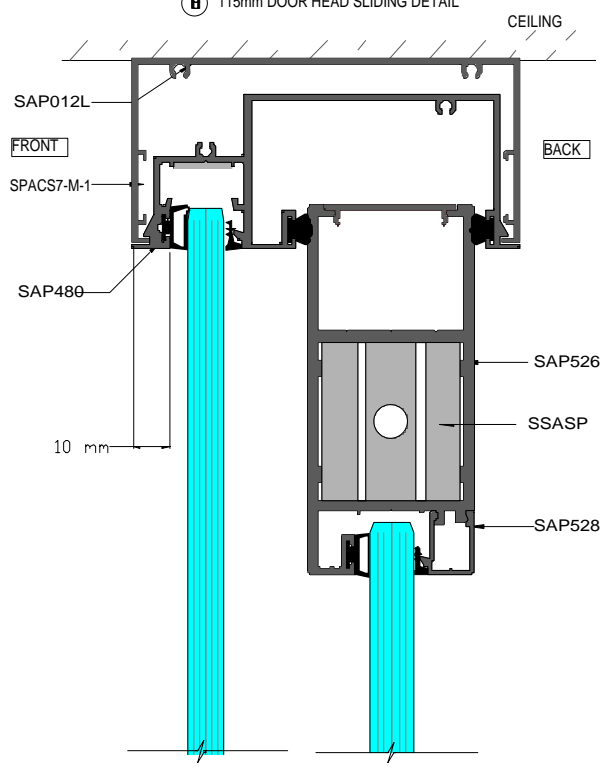


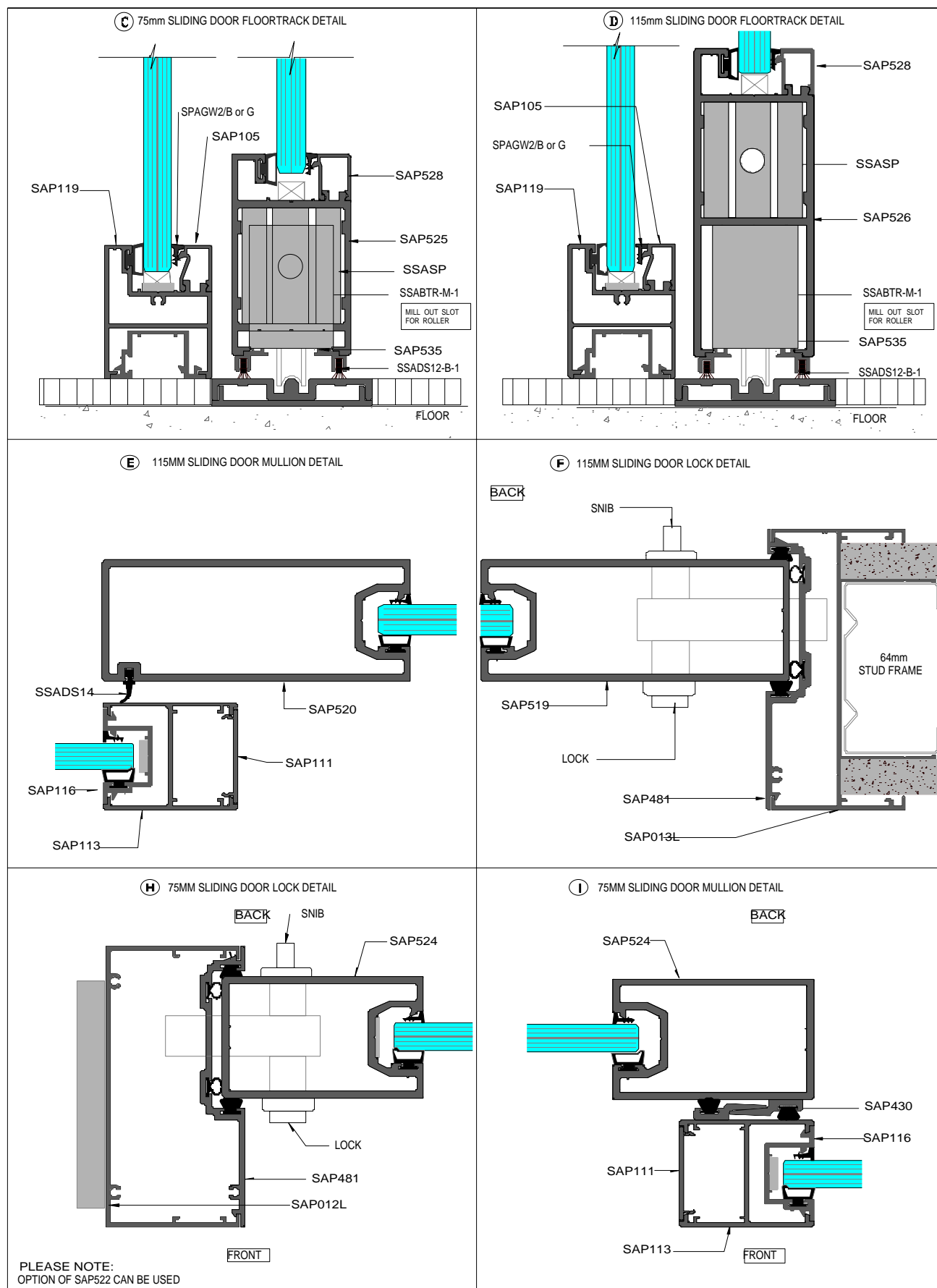


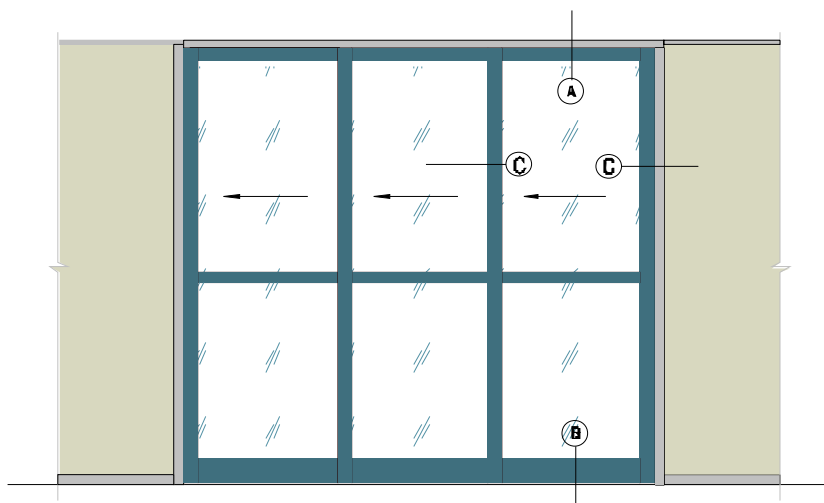
A 75mm DOOR HEAD SLIDING DETAIL



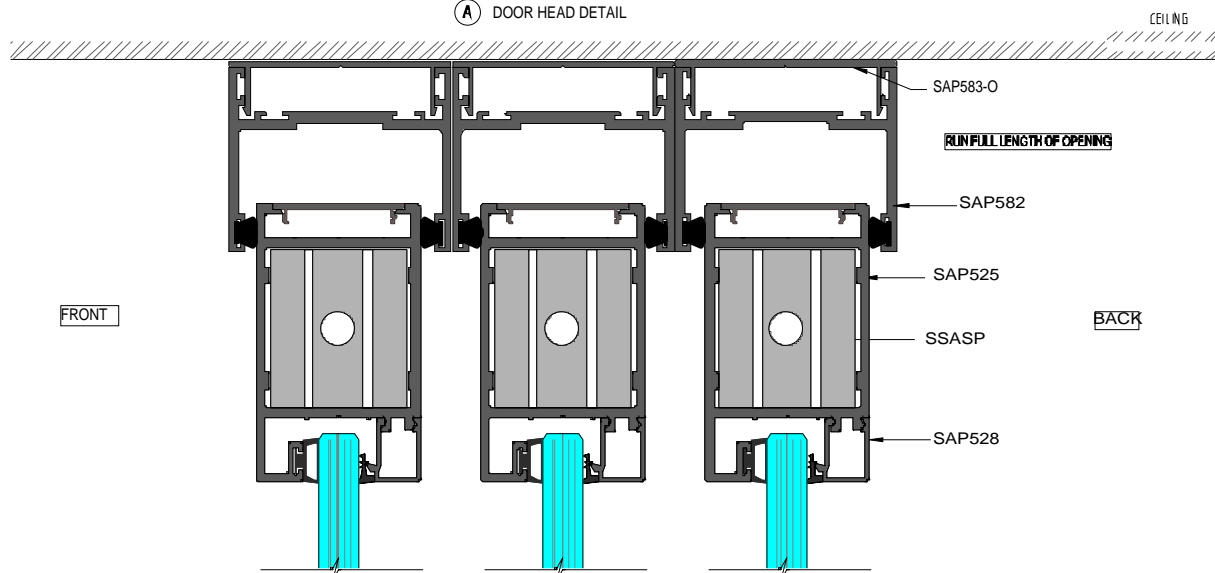
B 115mm DOOR HEAD SLIDING DETAIL



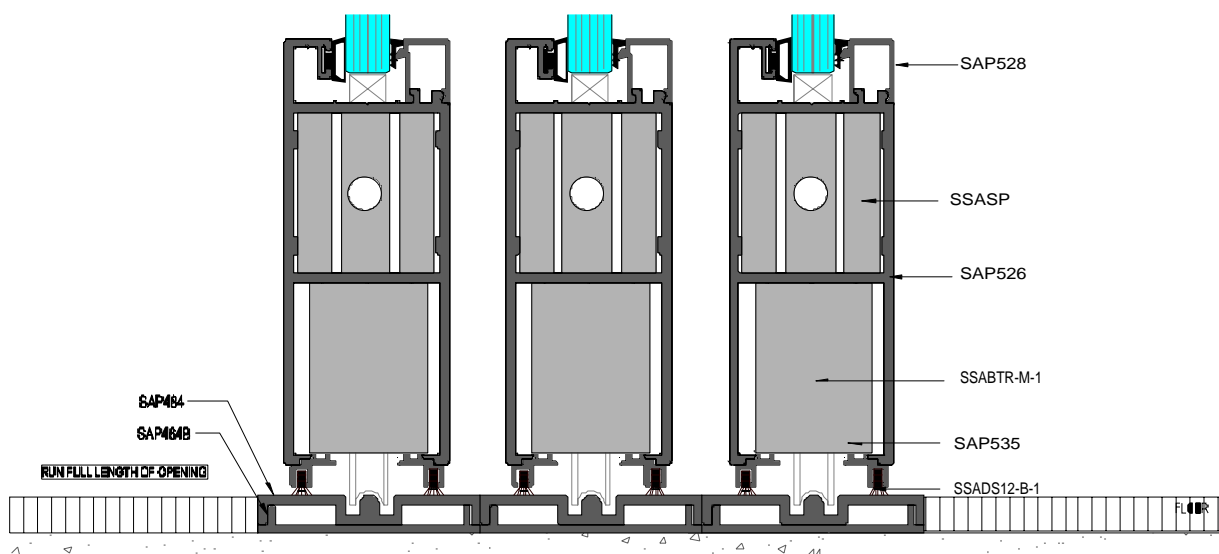


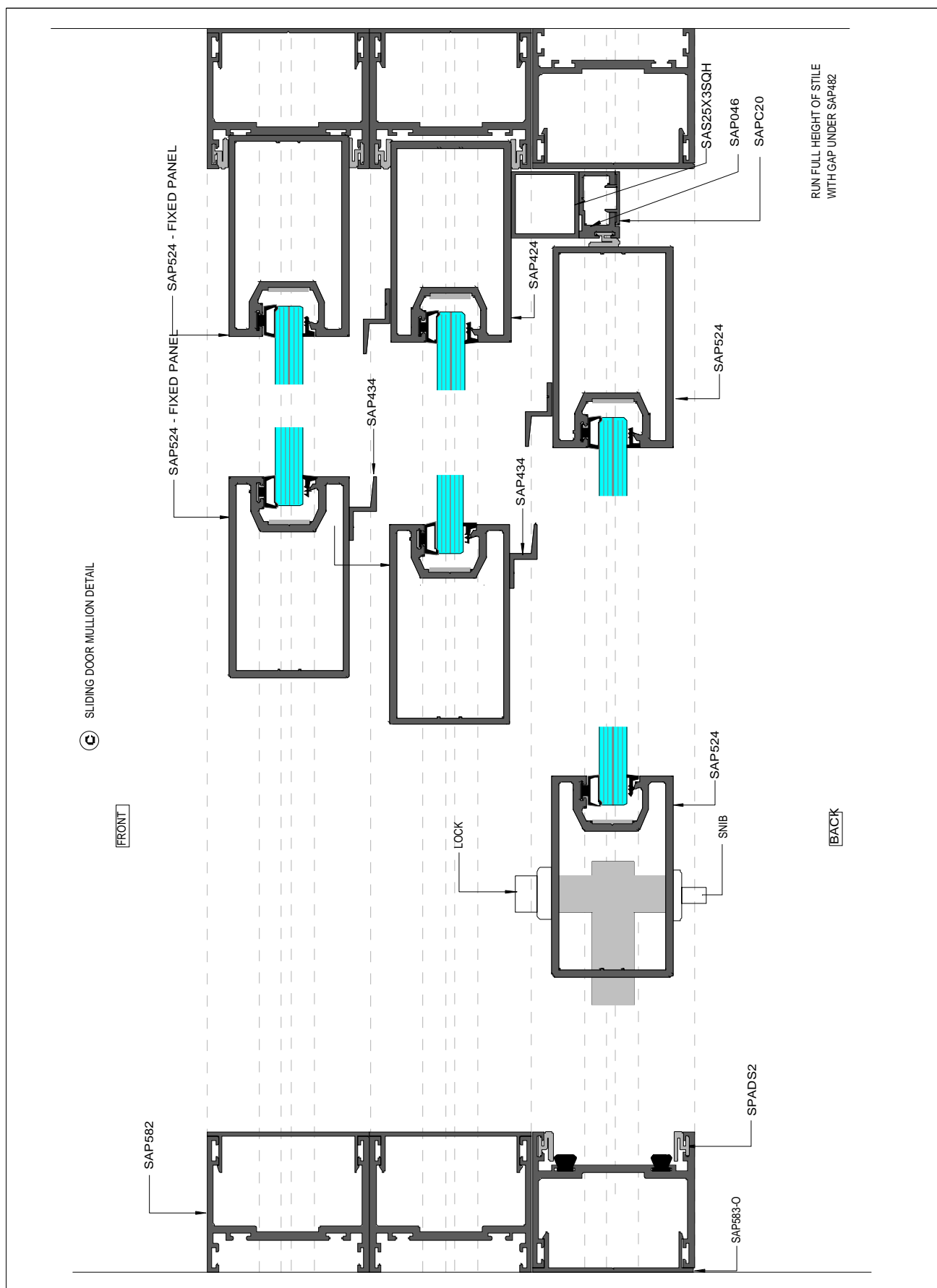


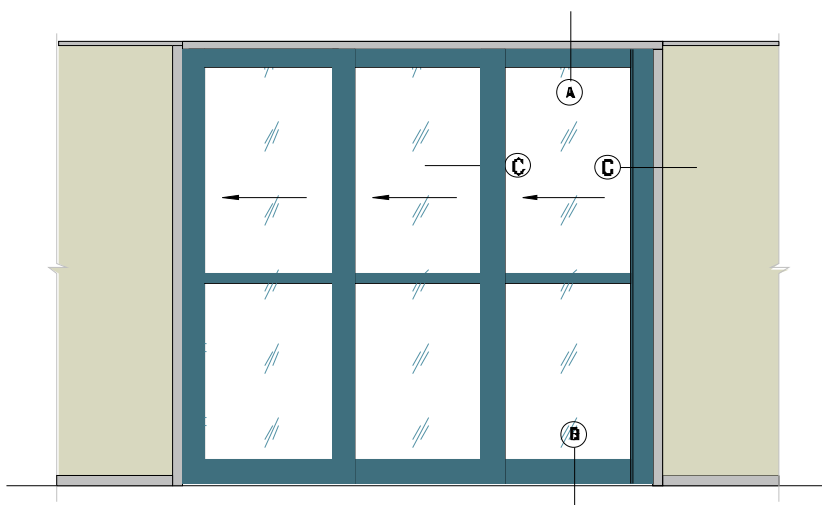
(A) DOOR HEAD DETAIL



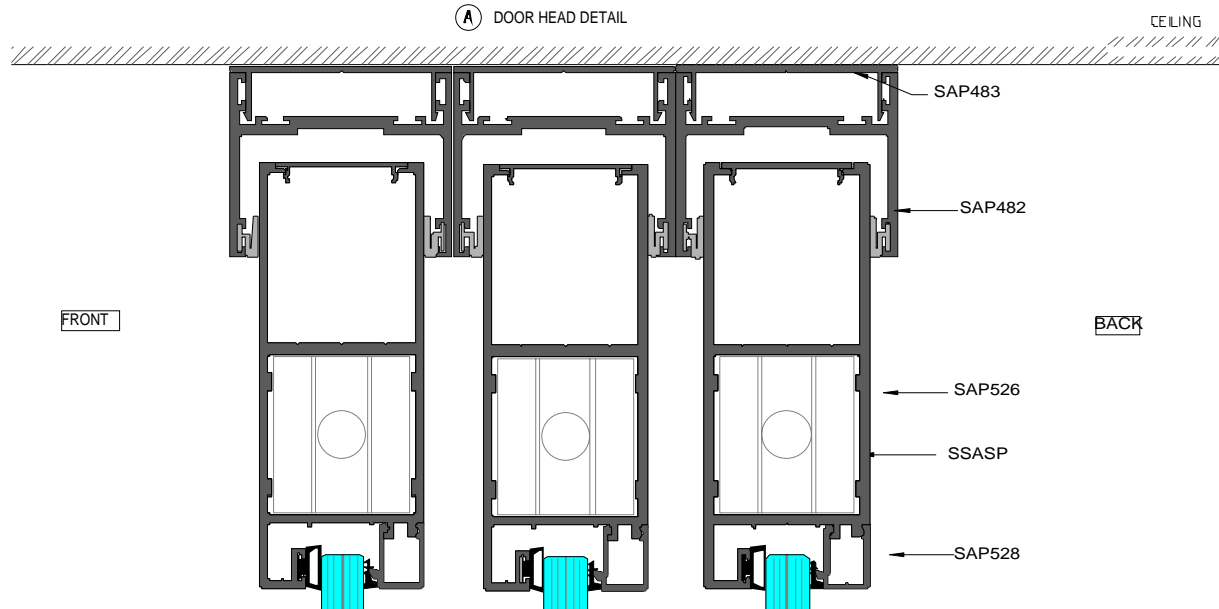
(B) DOOR BOTTOM TRACK DETAIL



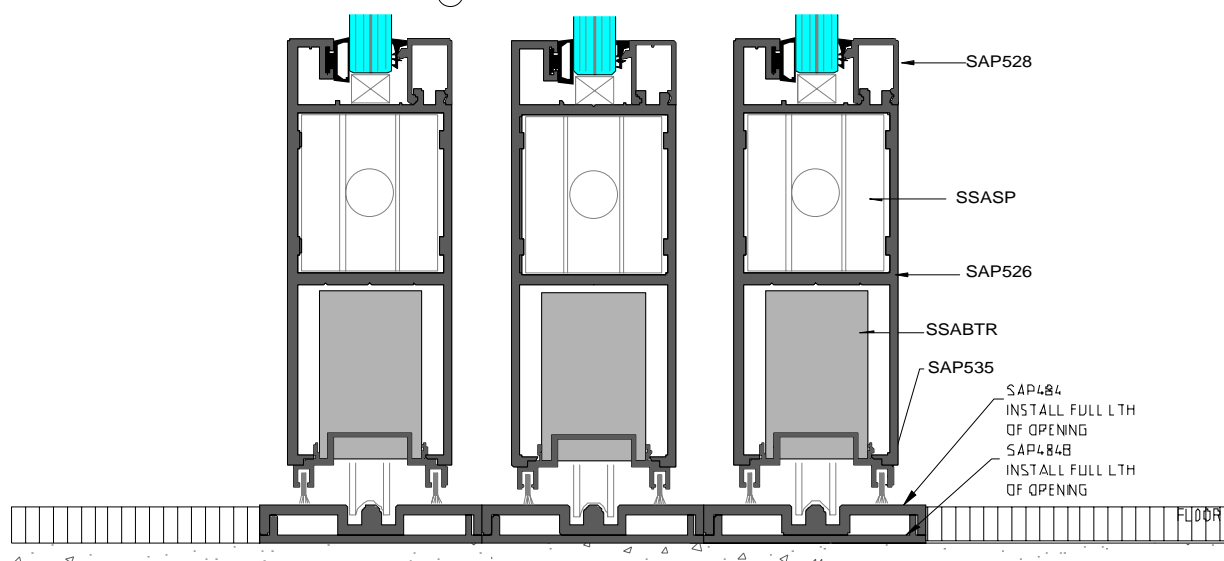


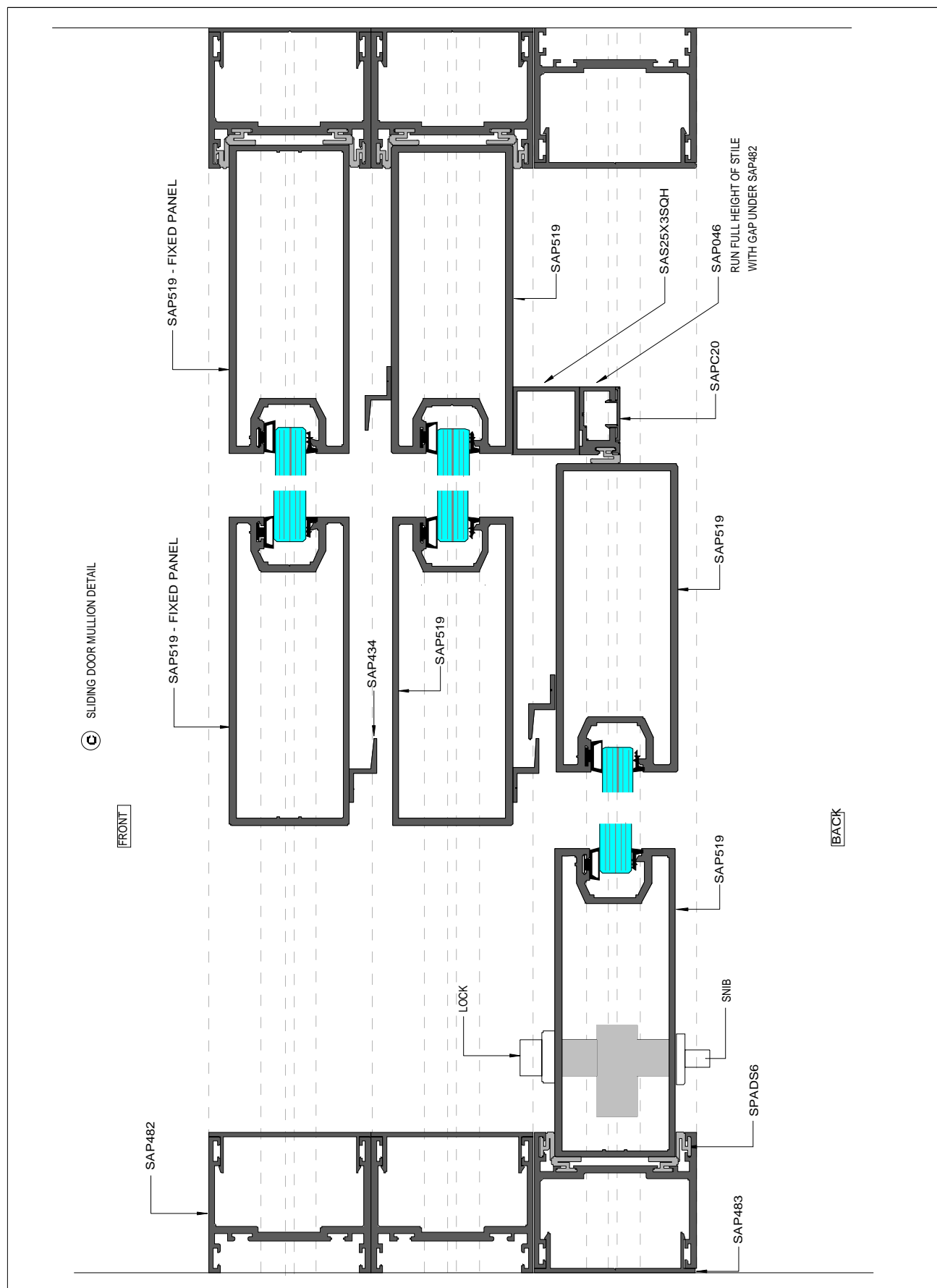


A DOOR HEAD DETAIL



B DOOR BOTTOM TRACK DETAIL





SSASP



Joining Spigot for Aluminium Doors
Available in IN PACKS OF 4

SSATHR



Adjustable overhead roller to suit SAP525, SAP526 with SAP485/486
Available in Pairs

SSABTR



Stainless Steel twin wheel adjustable roller to suit SAP526
BODY = 30mm Wide x 38mm High x 162mm Long
Wheel Height including Body is 40mm - 50mm High
Available in Pairs. Load Rating of 150kgs

SSAFGC



Concealed Floor Guide for Sliding Doors to suit SAP525 & SAP526 with SAP535
Available each

SSADS10/B or G



Fur seal to suit SF7
Available per metre, Black or Grey

SSADS12/B or G



Fur seal to suit SAP416, 417, 421, 422
Available per metre, Black or Grey

SSADS13/B or G



Fur seal to suit SAP420, 420H, 423
Available per metre, Black or Grey

SSADS14/B or G



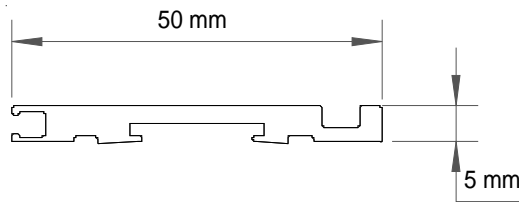
Silicon Rubber Acoustic Swipe Seal to Suit SAP420, 420H, 423
Available in 100 metre rolls, Black or Grey

NOTE !

B DENOTES BLACK

-

G DENOTES GREY



SAP50X5SK

50MM HIGH REBATE STICK ON SKIRTING

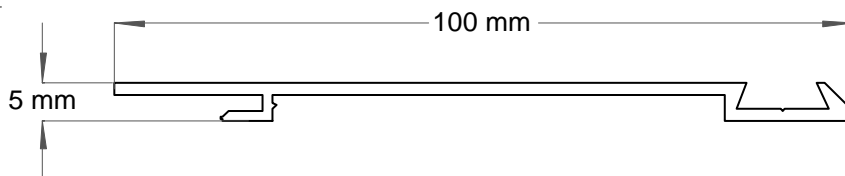
MASS = .480 Kg/M PER = 140mm

This skirting has sleek modern profile with a 3mm rebate and features a groove in the bottom for option of fitting seal for uneven floors. It can also use our joining stake SPACS6. The skirting is also 5mm thick which matches the return on all Sapphire framing section creating a neat flush junction.

SAP50X5S will accept SSADS12, 13, 14 bottom seal for uneven floors.

SAP50X5S will accept corner/end cap SPACS7 & 8 joining stakes to the rear.

SAP50X5S is available in 3.6 metre lengths.



SAP009

100MM HIGH SCREWFIX SKIRTING

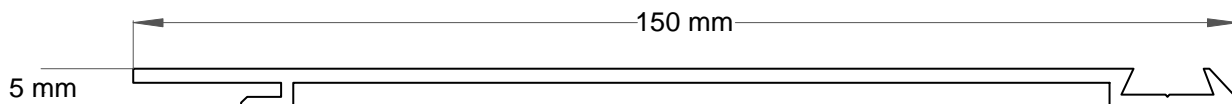
MASS = .434 Kg/M PER = 236mm

This is the most popular size in our range of skirtings. Most commonly used where minimum ceiling heights exist. SAP009 is fitted after walls have been completed and decorated allowing for ease and speed of painting as walls only have to be decorated to within 75mm of the floor .

SAP009 will accept PVC screw infill moulds SPASC /B or G and SPAST/B or G to cover fixing screws.

SAP009 will accept PVC corner/end cap SPACS/5B or G.

SAP009 is available in 3.6 metre lengths.



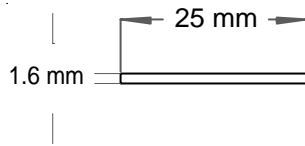
SAP009/B

150MM HIGH SCREWFIX SKIRTING

MASS = .646 Kg/M PER = 337mm

This skirting is generally used where high ceilings exist particularly on ground floors and is commonly called for by government departments in most states of Australia. It is also used as a face plate / skirting board for Sapphire's cable management systems and is available with the same accessories as SAP009.

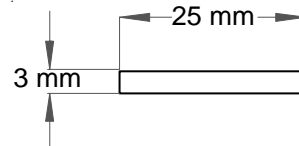
SAP009 is available in 3.6 metres



SAS25X1.6

25MM X 1.6MM FLATBAR

MASS = .135 Kg/M PER = 100mm



SAS25X3

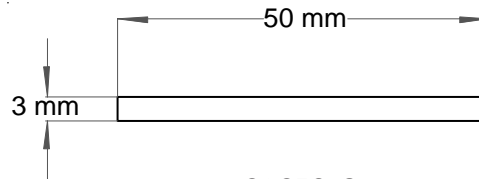
25MM X 3MM FLATBAR

MASS = .202 Kg/M PER = 100mm

Both these flatbars are used as head trims or skirtings for plasterboard walls. They can also be used for curved walls or for heavy sound and fire ratings that require multiple panels of plasterboard to be erected .

SAP25x1.6 & SAP25x3 are generally fixed using a contact glue.

SAP25X1.6 & SAP25x3 are available in 2.8 metre lengths.



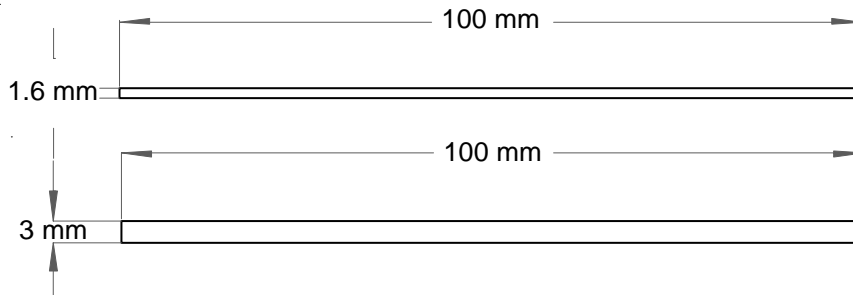
SAS50x3

50MM X 3MM FLATBAR

MASS = .404 Kg/M PER = 159mm

This flatbar is used as a stick on skirting for curved walls or for details where a solid flat look is desired. SAP50x3 is generally fixed using a contact glue.

SAP50x3 is available in 3.6 metre lengths.



SAS100x1.6

100MM X 1.6MM FLATBAR / SKIRTING

MASS = .432 Kg/M PER = 203mm

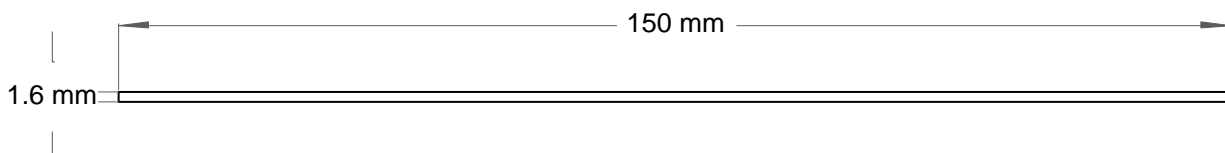
SAS100x3

100MM X 3MM FLATBAR / SKIRTING

MASS = .432 Kg/M PER = 203mm

This flatbar is used as a stick on skirting for curved walls or for details where a solid flat look is desired. SAP100x3 is generally fixed using a contact glue.

SAP100x3 is available in 3.6 metres only



SAS150x1.6

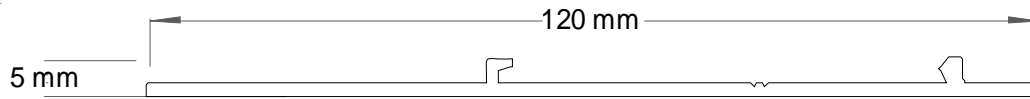
150MM X 1.6MM FLATBAR / SKIRTING

MASS = .650 Kg/M PER = 304mm

This flatbar is used as a stick on skirting for curved walls or for details where a solid flat look is desired.

SAP150x1.6 is generally fixed using a contact glue.

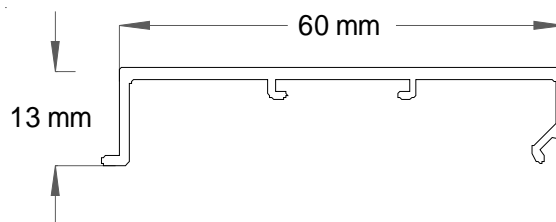
SAP150x1.6 is available in 3.6 metre lengths



SAP096
120MM X 5MM SHADOW SKIRTING BASE
 MASS = .700 Kg/M PER = 260mm

This section is designed to be installed below the raised floor and and laser leveled, screwed off so the base sits 10mm above the finished floor height including the carpet. The 13mm plaster board then sits on top of the cap by 10mm creating the shadow above and below the Skirting SAP097. it is predominantly ordered in a black powdercoat or anodised finish.

SAP096 is available in 3.6 metre lengths only

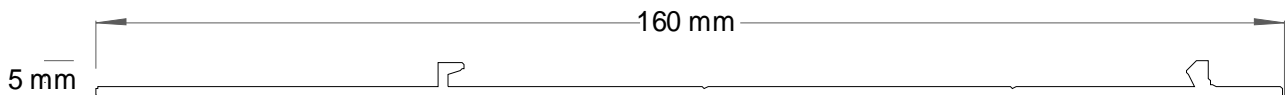


SAP097
60MM X 13MM SHADOW CAP
 MASS = .420 Kg/M PER = 200mm

This section is designed to clip into SAP096 And is the finished skirting cap that may be finished in either anodised or powdercoat finish to suit your design.

SAP097 accepts SPACS7-M-1 and SPACS8-M-1 joining stakes for straight and corner joints.

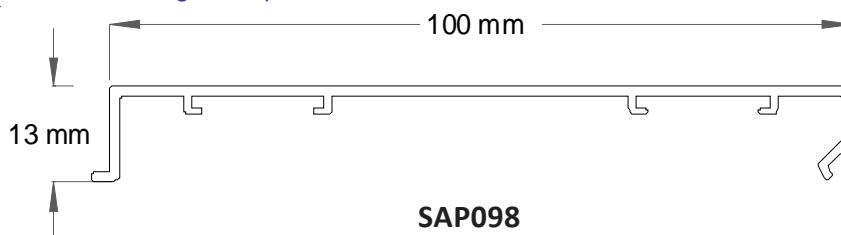
SAP097 is available in 3.6 metre lengths.



SAP098
160MM X 5MM SHADOW SKIRTING BASE
 MASS = .824 Kg/M PER = 339mm

This section is designed to be installed below the raised floor and and laser leveled, screwed off so the base sits 10mm above the finished floor height including the carpet. The 13mm plaster board then sits on top of the cap by 10mm creating the shadow above and below the Skirting SAP099. it is predominantly ordered in a black powdercoat or anodised finish.

SAP098 is available in 3.6 metre lengths only



SAP098
60MM X 13MM SHADOW CAP
 MASS = .420 Kg/M PER = 200mm

This section is designed to clip into SAP098 And is the finished skirting cap that may be finished in either anodised or powdercoat finish to suit your design.

SAP099 accepts SPACS7-M-1 and SPACS8-M-1 joining stakes for straight and corner joints.

SAP099 is available in 3.6 metre lengths.

SPASKC/B or G



PVC mould to suit SAP009,9/B,9/C
Available in 100 metre rolls, Black or Grey

SPASKT/B or G



PVC flat tape to suit SAP009,9/B,9/C
Available in 150 metre rolls, Black or Grey

SPADS1/B or G



Fur seal to suit Door Jambs and Stops
Available in 100 metre rolls, Black or Grey

SPADS2/B or G



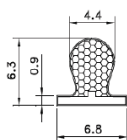
Foam Filled Nylon easy slide fit acoustic wedge / seal to suit
Microline,Frontline, Maxline Front & Double Glaze & Shooshline Door
Available in 600 mtr Roll, Black

SPADS4/-B-1 or G



Santoprene Rubber Acoustic bulb seal to suit SAP046
Available in 100 metre rolls, Black or Grey

SPADS6-B-1 or G



9mm High Foam Filled Nylon easy slide fit acoustic seal to suit Door
Jambs and Stops
Available in 305 Mtr Rolls, Black

SPAGW1B-1 or G



Santoprene Rubber wedge for 6 - 6.38mm glass
Available in 100 metre rolls, Black or Grey

SPAGW2B-1 or G



Santoprene Rubber wedge for 10 - 10.38mm glass
Available in 100 metre rolls, Black or Grey

SPAGW3B 1 or G



Santoprene Rubber wedge for 12 - 12.38mm glass
Available in 100 metre rolls, Black or Grey

SPAGW4B-1 or G



Santoprene Co Extruded slide fit wedge for Single/Double glazing of
10.38mm -12.76mm Glass.
Suits Microline, Frontline, Maxline Front ,Double Glaze & Shooshline
Available in 100 metre rolls, Black or Grey

SPAGW6B-1 or G



Santoprene Rubber slide fit wedge for Single/Double glazing of
6.38mm Glass
Suits Microline, Frontline, Maxline Front, Double Glaze & Shooshline
Available in 100 metre rolls, Black or Grey

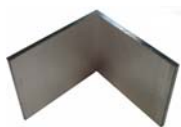
NOTE !

B DENOTES BLACK

-

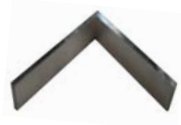
G DENOTES GREY

SPACS1-M-1



Aluminium corner stake to suit SAP107, 8
Available in bags of 50

SPACS3-M-1



Aluminium glazing pocket corner stake to suit Microline & Maxline 92MM Suites
Available in bags of 50

SPACS5-B-1 OR G



PVC corner/end cap to suit SAP009,9/B,9/C
Available in bags of 50, Black or Grey

SPACS6-M-1



Crinkle Metal (vertical) corner joint stakes to suit Microline, Wideline, Frontline & Maxline Suites
Available in bags of 50

SPACS7-M-1



Crinkle Metal straight joint stakes to suit Microline, Wideline, Frontline & Maxline Suites
Available in bags of 50

SPACS8-M-1



Crinkle Metal (horizontal) corner joint stakes to suit Microline, Wideline, Frontline & Maxline Suites
Available in bags of 50

SPAHG168



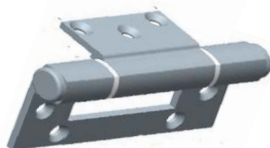
Taperleaf Aluminium Fastfix Hinge
100mm x 45mm
Available - Each in many finishes

SPAHG104



Heavy Duty Aluminium Double Side Fastfix Hinge
130mm x 45mm
Available - Each in many finishes

SPAHGHD105



Heavy Duty Aluminium Single Side Fastfix Hinge
130mm x 45mm
Available - Each in many finishes

SPAHG/SS



Stainless Steel Fastfix Hinge
100mm x 45mm
Available - Each

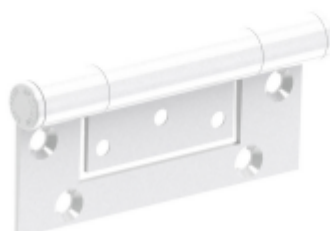
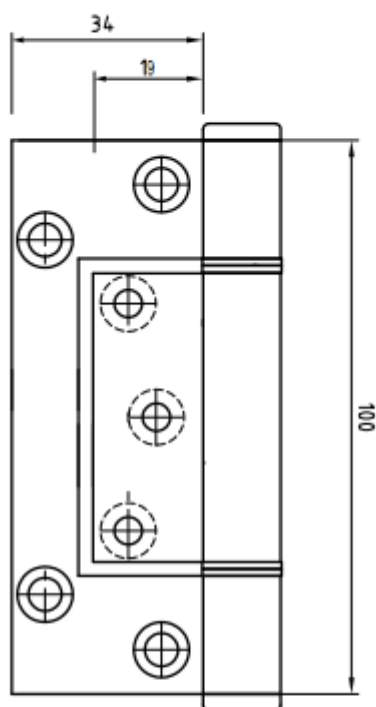
SPAST



Halfmoon Doorstop
Available in Each in Satin Chrome, Brass, Chrome and Powdercoat Finishes

ALUMINIUM OFFSET INTERFOLD HINGE

Code No. SPAHG168



APPLICATION

- Aluminium doors in medium usage situations.

SPECIFICATION

- Alloy:** High strength T.6 minimum tensile 254 mpa.
- Pin Dia:** 4.7mm 304 Stainless Steel with machined chamfer both ends.
- Bushes:** Flanged nylon.
- Knuckle:** Round
- Aluminium Endcaps:** Pressed-in interference fit.
- Maximum Weight Capacity:** 20 kg (turn over for further information)

INSTALLATION GUIDE ONLY

- Door thickness:** Minimum 32mm.
- When using a door closer, we recommend a minimum of 3 hinges be used, with the top hinge located as high as possible. For excessive usage, a fourth hinge may be required.
- Standard Door: 2040 (H) x 820 (W)
- Locator allows for fast fixing.

FIXING

- Fastening screws supplied.**
- Pop rivets are not recommended.

FINISH

- SNA - Satin Natural Anodised
- Black - Black Powder Coat
- White - White Powder Coat
- Sapphire Anodised Finishes
- Sapphire Powdercoat Colours

Code No.

INTERFOLD HINGE INFORMATION

Standard Application:

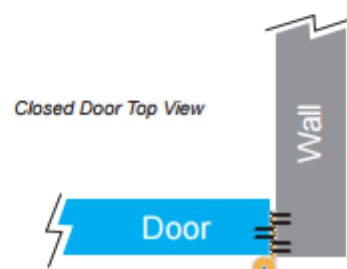
- The top hinge is 127mm down from the frame mark to top of the hinge.
- Bottom hinge 254mm from bottom edge of barrel to finished floor.
- The third hinge is centered between the top and bottom hinges (if more than three hinges used, hinge spacings are equal between all hinges from the top to the bottom hinges). See Example Door A.
- Hinge is to be mounted directly onto the door and frame as it is a surface mount application. There will be a gap between the frame and the door edge equal to the thickness of the hinge leaf. This will also be equal to the gap above the door.
- Space out and mark all holes for pre-drilling before attaching the hinges to the frame.
- Please note if the hinge is 'Offset' - where the barrel sits to one side of the hinge leaf. This will result in misalignments when hanging.



Pre-drill and Mount

With Door Closer:

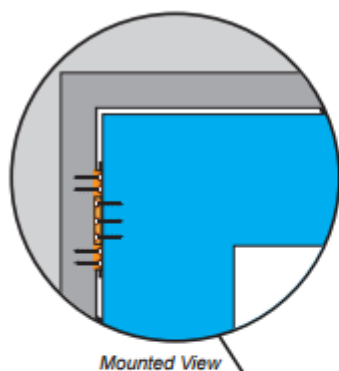
- If you are using a door closer, you will need to add an extra hinge on top of the advised chart.
- The spacing between the top two hinges should be the same as the length of the hinge.
- The first hinge should be as close (high) as possible to the door closer. The second should then be spaced equal to the hinge size (length) down the door. All subsequent hinges should be evenly spaced thereafter between the second and bottom hinge. See Example Door B.



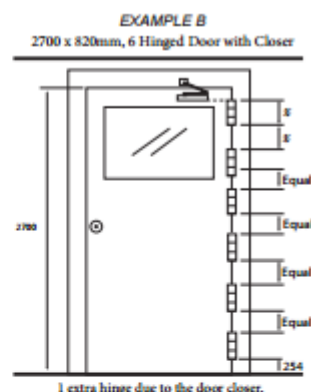
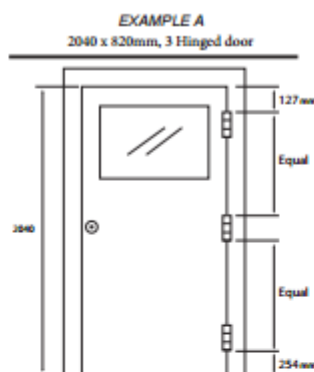
Closed Door Top View

Hinge Specific Information:

- Minimum Door Thickness: 32mm
- Up to 2100 x 820 - 3 Hinges
- Please refer to the table below for more sizes



Mounted View



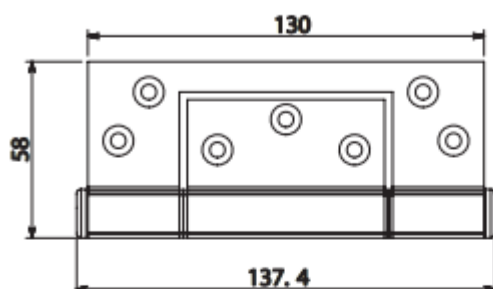
Number of Hinges Required per Door Size

	820mm (W)
2100 mm (H)	3
2300 mm (H) to 2500 mm (H)	4
2700 mm (H)	5
2900 mm (H)	6

*All information is regarded as generic unless specified in writing by us.
Contact us for custom sizes and further information.

HEAVY DUTY ALUMINIUM INTERFOLD HINGE

Code No. SPAHG104



APPLICATION

- Suitable for aluminium entrance doors in high usage situation
- Suitable for either centre pocket or front edge glazing systems.
- Suitable for some timber door applications.
- Pre-drilling of the holes in the timber may be required.

SPECIFICATION

- **Alloy:** High strength T.6 minimum tensile 254 mpa.
- **Pin Dia:** 6mm 304 Stainless Steel with machined chamfer both ends.
- **Bushes:** Flanged nylon.
- **Knuckle:** Squareline - Heavy Duty
- **Aluminium Endcaps:** Pressed-in interference fit.
- **Maximum Weight Capacity:** 100 kg (turn over for further information)

INSTALLATION GUIDE ONLY



- **Door thickness:** Minimum 40mm.
- When using a door closer, we recommend a minimum of 3 hinges be used, with the top hinge located as high as possible. For excessive usage, a fourth hinge may be required.
- Standard Door: 2040 (H) x 820 (W)
- Oversize Door: Turn over for further information.
- The wing locator allows for fast fixing.

THE 1.0MM ALUMINIUM PACKER, PLACED UNDER THE WING, ALLOWS FOR BETTER ALIGNMENT OF THE DOOR, AND FOR THE CORRECT POSITIONING AGAINST THE RUBBER SEAL, IF REQUIRED. THE PACKER, A104 SPACER, IS AVAILABLE AS A SEPARATE ITEM FROM YOUR SUPPLIER.

FIXING

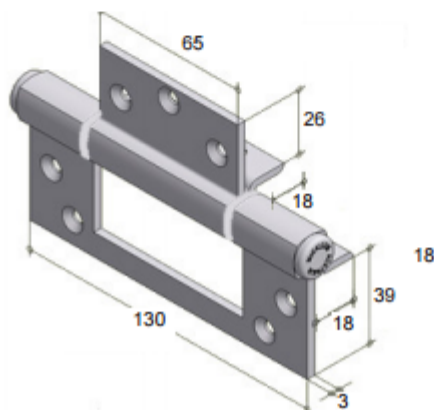
- Fastening screws supplied.
- Pop rivets are not recommended.

FINISH

- SNA - Satin Natural Anodised
- Black - Black Powder Coat
- White - White Powder Coat

OLD CODE NO.

- SPAHGHD



INTERFOLD HINGE INFORMATION

Standard Application:

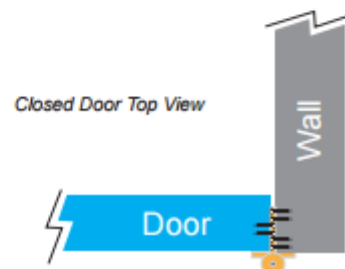
- The top hinge is 127mm down from the frame mark to top of the hinge.
- Bottom hinge 254mm from bottom edge of barrel to finished floor.
- The third hinge is centered between the top and bottom hinges (if more than three hinges used, hinge spacings are equal between all hinges from the top to the bottom hinges). See Example Door A.
- Hinge is to be mounted directly onto the door and frame as it is a surface mount application. There will be a gap between the frame and the door edge equal to the thickness of the hinge leaf. This will also be equal to the gap above the door.
- Space out and mark all holes for pre-drilling before attaching the hinges to the frame.
- Please note if the hinge is 'Offset' - where the barrel sits to one side of the hinge leaf. This will result in misalignments when hanging.



Pre-drill and Mount

With Door Closer:

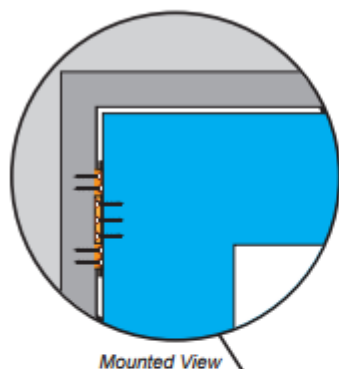
- If you are using a door closer, you will need to add an extra hinge on top of the advised chart.
- The spacing between the top two hinges should be the same as the length of the hinge.
- The first hinge should be as close (high) as possible to the door closer. The second should then be spaced equal to the hinge size (length) down the door. All subsequent hinges should be evenly spaced thereafter between the second and bottom hinge. See Example Door B.



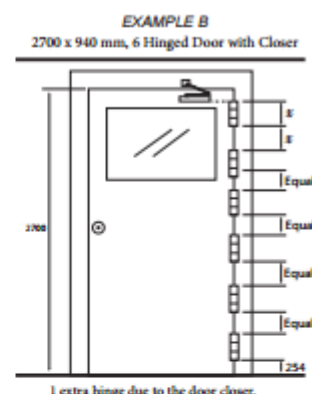
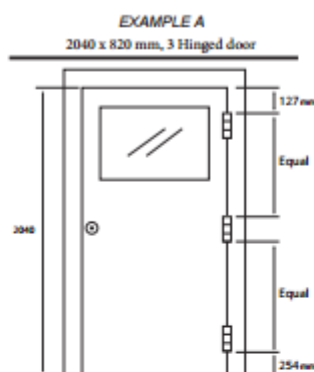
Closed Door Top View

Hinge Specific Information:

- Minimum Door Thickness: 40mm
- Up to 2300 x 900 x 100kg - 3 Hinges
- Please refer to the table below for more sizes.



Mounted View



Number of Hinges Required per Door Size			
	820 - 900 mm (W)	900 - 1000 mm (W)	1100 mm (W)
2100 mm (H) to 2300 mm (H)	3	4	5
2500 mm (H) to 2700 mm (H)	4	5	6
2900 mm (H)	5	6	7

*All information is regarded as generic unless specified in writing by us. Contact us for custom sizes and further information.

HEAVY DUTY ALUMINIUM INTERFOLD HINGE

Code No. SPA HG105

APPLICATION

- Suitable for aluminium entrance doors in high usage situation
- Suitable for either centre pocket or front edge glazing systems.
- Suitable for some timber door applications.
- Pre-drilling of the holes in the timber may be required.

SPECIFICATION

- **Alloy:** High strength T.6 minimum tensile 254 mpa.
- **Pin Dia:** 6mm 304 Stainless Steel with machined chamfer both ends.
- **Bushes:** Flanged nylon.
- **Knuckle:** Squareline - Heavy Duty
- **Aluminium Endcaps:** Pressed-in interference fit.
- **Maximum Weight Capacity:** 80 kg (turn over for further information)

INSTALLATION GUIDE ONLY

- **Door thickness: Minimum 38mm (due to use of inner leaf size).**
- When using a door closer, we recommend a minimum of 3 hinges be used, with the top hinge located as high as possible. For excessive usage, a fourth hinge may be required.
- Standard Door: 2040 (h) x 820 (W)
- Oversize Door: Turn over for further information.
- Locator allows for fast fixing.
- **THIS HINGE IS DESIGNED WITH NO OFF-SET, UNLIKE THE PREVIOUS A105F.**

FIXING

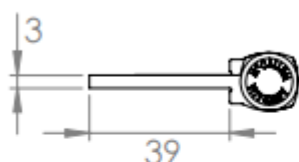
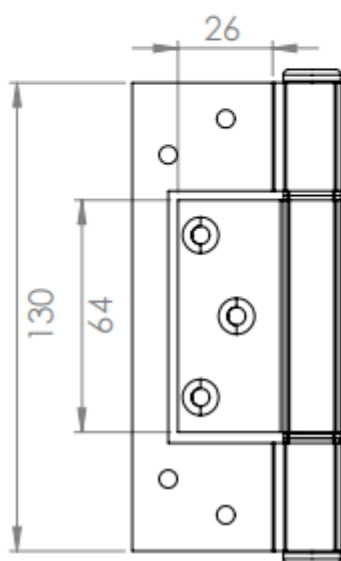
- **Fastening screws supplied.**
- Pop rivets are not recommended.

FINISH

- SNA - Satin Natural Anodised
- Black - Black Powder Coat
- White - White Powder Coat

OLD CODE NO.

- SPA HG HDS



INTERFOLD HINGE INFORMATION

Standard Application:

- The top hinge is 127mm down from the frame mark to top of the hinge.
- Bottom hinge 254mm from bottom edge of barrel to finished floor.
- The third hinge is centered between the top and bottom hinges (if more than three hinges used, hinge spacings are equal between all hinges from the top to the bottom hinges). See Example Door A.
- Hinge is to be mounted directly onto the door and frame as it is a surface mount application. There will be a gap between the frame and the door edge equal to the thickness of the hinge leaf. This will also be equal to the gap above the door.
- Space out and mark all holes for pre-drilling before attaching the hinges to the frame.
- Please note if the hinge is 'Offset' - where the barrel sits to one side of the hinge leaf. This will result in misalignments when hanging.

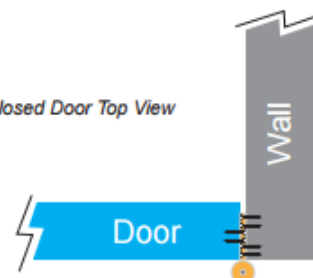


Pre-drill and Mount

With Door Closer:

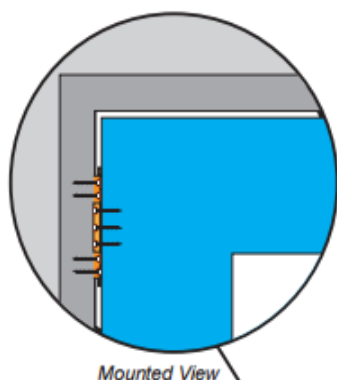
- If you are using a door closer, you will need to add an extra hinge on top of the advised chart.
- The spacing between the top two hinges should be the same as the length of the hinge.
- The first hinge should be as close (high) as possible to the door closer. The second should then be spaced equal to the hinge size (length) down the door. All subsequent hinges should be evenly spaced thereafter between the second and bottom hinge. See Example Door B.

Closed Door Top View

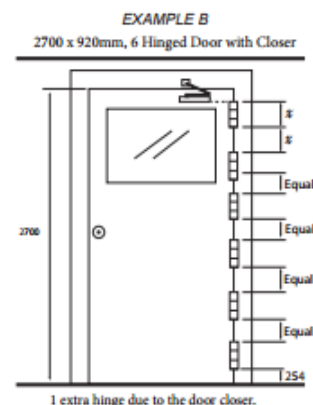
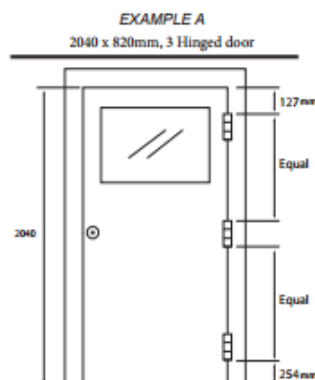


Hinge Specific Information:

- Minimum Door Thickness: 38mm
- Up to 2300 x 900 - 3 Hinges
- Please refer to the table below for more sizes



Mounted View



Number of Hinges Required per Door Size		
	820 - 900 mm (W)	900 - 1000 mm (W)
2100 mm (H) to 2300 mm (H)	3	4
2500 mm (H) to 2700 mm (H)	4	5
2900 mm (H)	5	6

*All information is regarded as generic unless specified in writing by us.
Contact us for custom sizes and further information.