



Table of contents

ASL INTRODUCTION & SERVICES	2
64 SERIES (To suit 64mm stud)	4
92 SERIES (To suit 92mm stud)	14
DESIGNLINE (Slim glazing profile)	24
MULTILAYER (To suit multiple linings)	32
ACOUSTIC (Double glazing)	44
EDGE (Edge glazing)	50
DOORS (Hinged, Sliding & Bi-fold)	58
Door Profiles	59
Sliding Doors	60
Acoustic Door Seal Options - Raven	86
Acoustic Door Seal Options - InStop	90
TRUNKING (Electrical and Data)	92
INSTEP (Negative Detail Trims)	94

Additional Resources

DOOR ASSEMBLY GUIDE	97
GLASS SERIES	98
STANDARD POWDER COATING COLOURS	103
TRACKLOK®	104
CARE & MAINTENANCE	108

An Introduction to Aluminat

Aluminat Solutions Limited (ASL) exists to provide locally made, more responsible alternatives in interior aluminium joinery products.

We created ASL for architects and interior fit-out companies because quality solutions and expert knowledge are becoming a necessity in a price-driven market. We are passionate about creating a world where environmentally friendly products with great quality can be supplied at a great price, meaning buildings and the environment are better tomorrow than they are today. Utilising recycled aluminium sourced from New Zealand, we supply a product

high in recycled content and with a low carbon footprint. Use ASL aluminium knowing it is the best choice for you, your customer, and the environment.

By choosing ASL, you will be using the most environmentally friendly interior aluminium joinery in New Zealand. Included in this design guide is a variety of standard details widely used across all construction sectors.

Specific details are available on request, contact your account manager for more information.

Additional Services

CAD Drafting

An important part of your project may be the production of "Shop" drawings.

ASL have an in-house CAD Draftsperson who can interpret the Architect's drawings and provide 2 dimensional "Shop" drawings with the measurements provided by your on-site personnel.

We can then provide fabrication drawings detailing how the joinery is cut, machined and assembled.

Quantity Surveying

ASL can assist you with your take-offs and calculating the quantity, size and price of the extrusions required for the project. This is an excellent way to check your own work minimizing the risk and cost of errors.

Site Inspection and Sign-off

ASL can assist you with site inspections to ensure your

installation staff are installing the joinery correctly. Once installation is complete we can sign off that the installation has been completed as per the design requirements and to an acceptable standard.

Glass Specification

ASL have a certified NZ Glass Standard Advisor on board to guide you to specify/use the right type of glass on a given Project (NZS4223:Part3:2016 - Human Impact & Safety - Certificate # 144) (See pages 86-89).

Bracing Plans

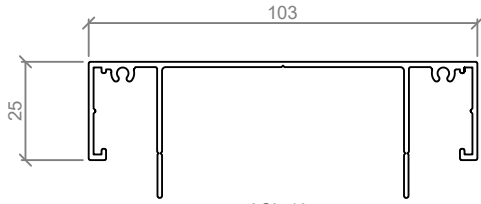
ASL can provide marked bracing plans for consent purposes, or for use as a guidance for construction professionals. These can also be retained for building inspections to ensure efficiency, compliance and consistency.

64 Series

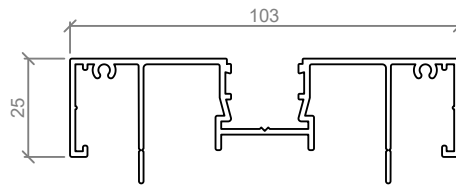
Our 64 series accommodates a 64mm stud with a single layer of plasterboard on each side, making it the ideal system for dividing up your office space. With the wide range of profiles, you can achieve exactly the look you want, be it a negative detail, varying door thicknesses or offset glazing when in conjunction with our Acoustic & Edge ranges. Our 64 series is widely used in both commercial office fitouts, and the education sector.

- Suited to 64mm stud
- Designed for ceiling heights up to 3.2m (but not limited to)
- 103mm wide and profile heights of 25mm to 44mm
- Easily accommodates 12.38mm Laminated glass
- Built in screw ports and staking bracket locators
- Negative detail options available
- Seismic head track option available
- Range of options for mullions, transoms & door frames

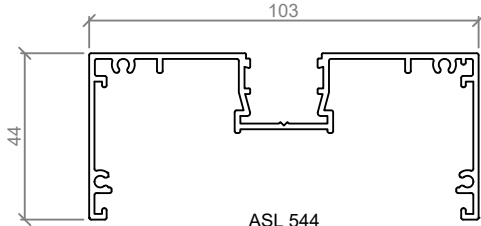
Standard Suite Profiles - Suitable for: 64mm Steel Stud, 13mm Plasterboard incl. Glazing Profiles



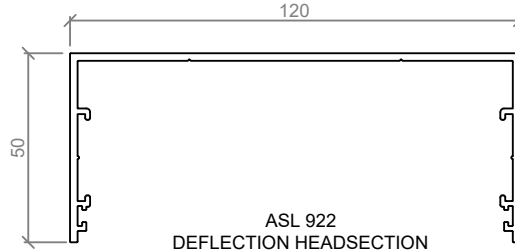
ASL 405
103mm FLUSH HEADSECTION



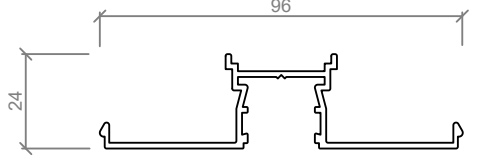
ASL 546
103mm POCKET HEADSECTION



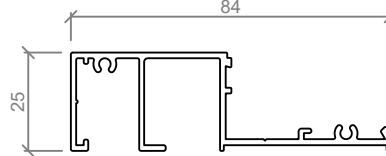
ASL 544
103mm POCKET MULLION



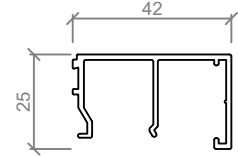
ASL 922
DEFLECTION HEADSECTION



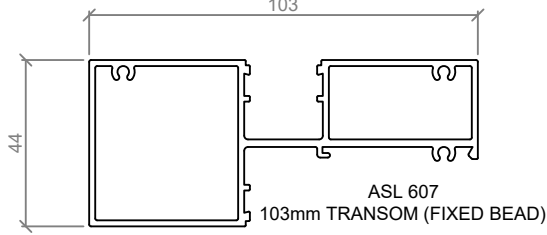
ASL 543
POCKET STARTER CAP



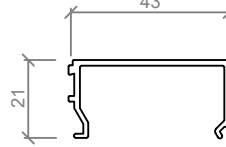
ASL 588
103mm GLAZING BAR



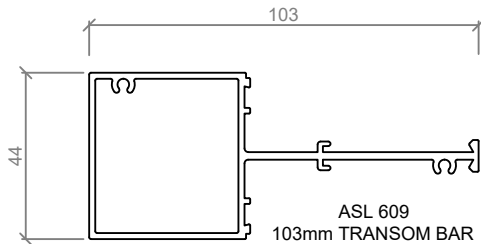
ASL 587
103mm GLAZING BEAD



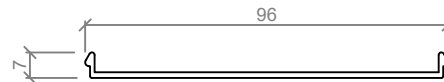
ASL 607
103mm TRANSOM (FIXED BEAD)



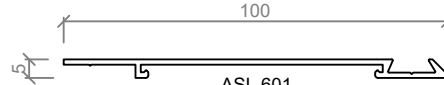
ASL 608
TRANSOM BEAD



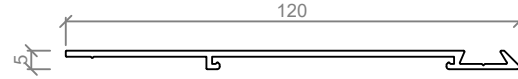
ASL 609
103mm TRANSOM BAR



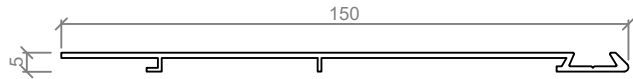
ASL 537
FLUSH STARTER CAP



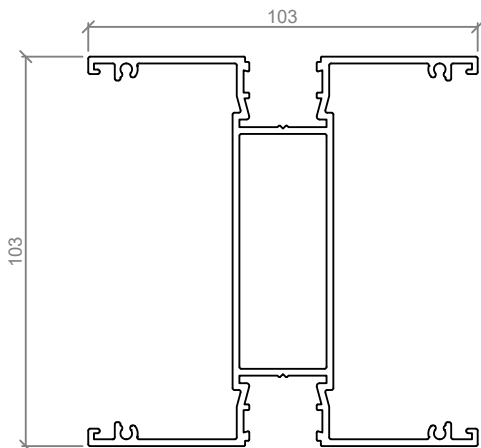
ASL 601
100mm SKIRTING



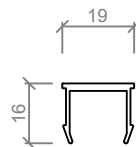
ASL 356
120mm SKIRTING



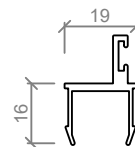
ASL 602
150mm SKIRTING



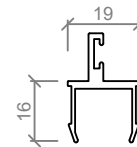
ASL 538
103mm MULTI POST



ASL 648
POCKET FLUSH INFILL

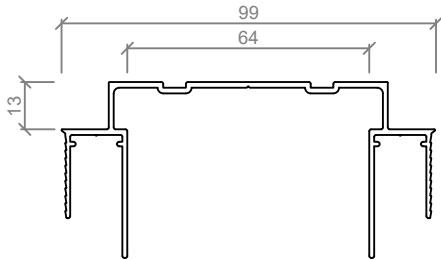


ASL 545
POCKET DOOR STOP
UP TO 40mm DOOR

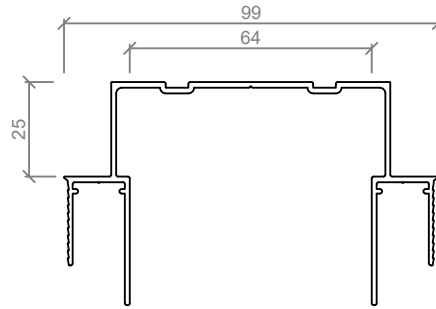


ASL 547
POCKET DOOR STOP
UP TO 50mm DOOR

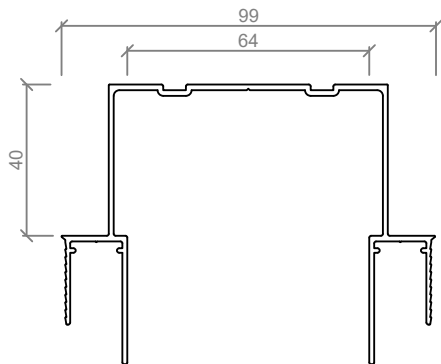
Negative Detail Profiles - Suitable for: 64mm Steel Stud, 13mm Plasterboard



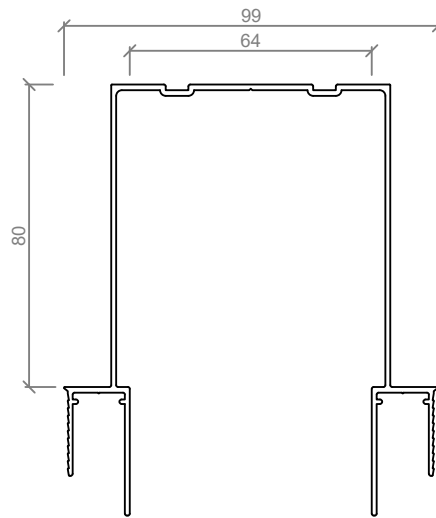
ASL 740
GROOVED HEADSECTION (13mm NEG. DETAIL)



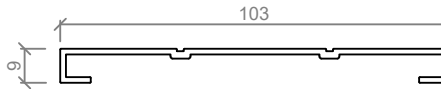
ASL 754
GROOVED HEADSECTION (25mm NEG. DETAIL)



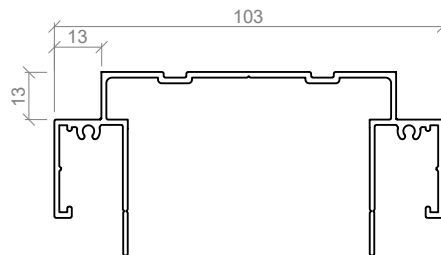
ASL 742
GROOVED HEADSECTION (40mm NEG. DETAIL)



ASL 749
GROOVED HEADSECTION (80mm NEG. DETAIL)

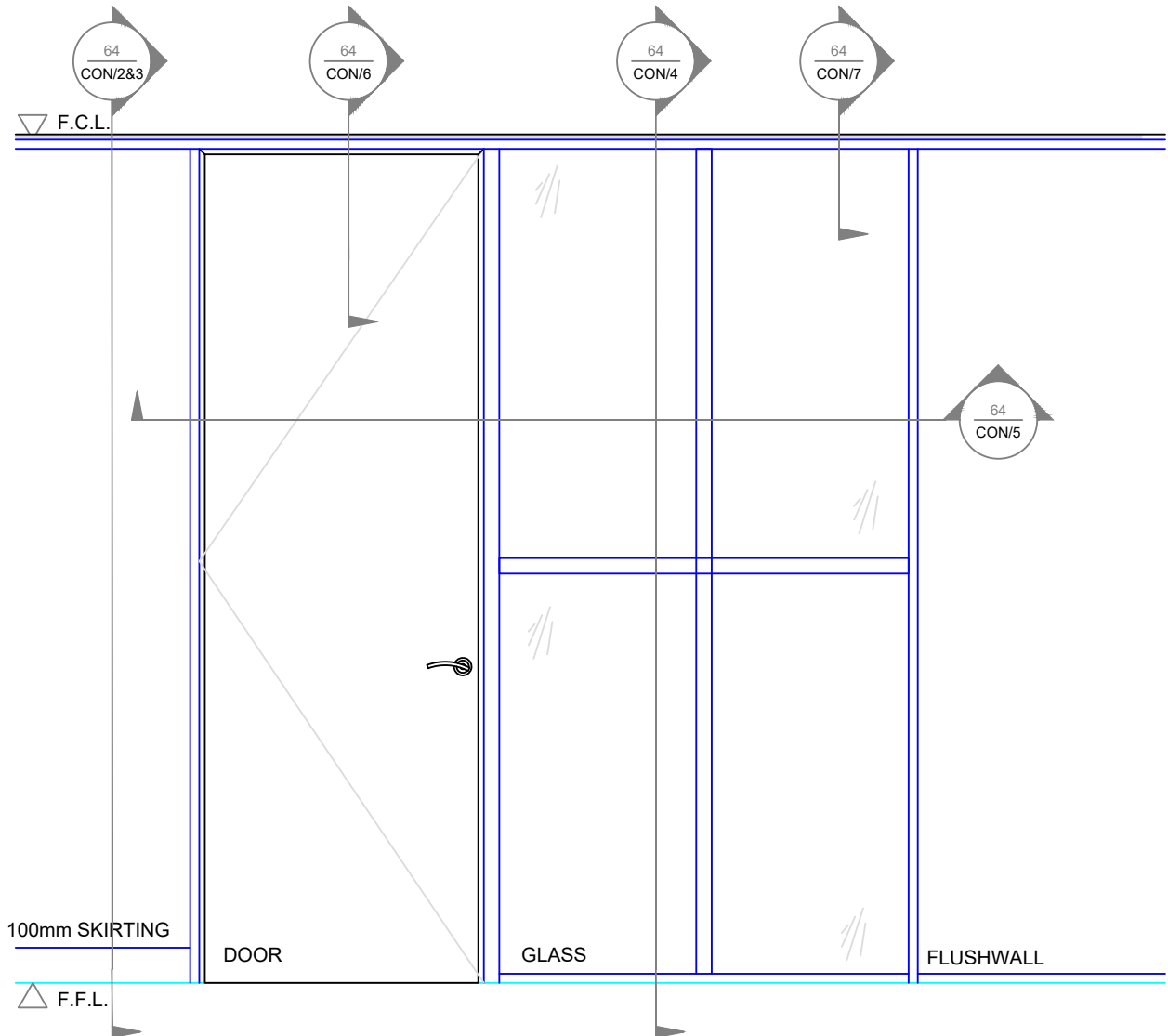


ASL 745
FLUSH CAP (USE WITH PSL 64-740)

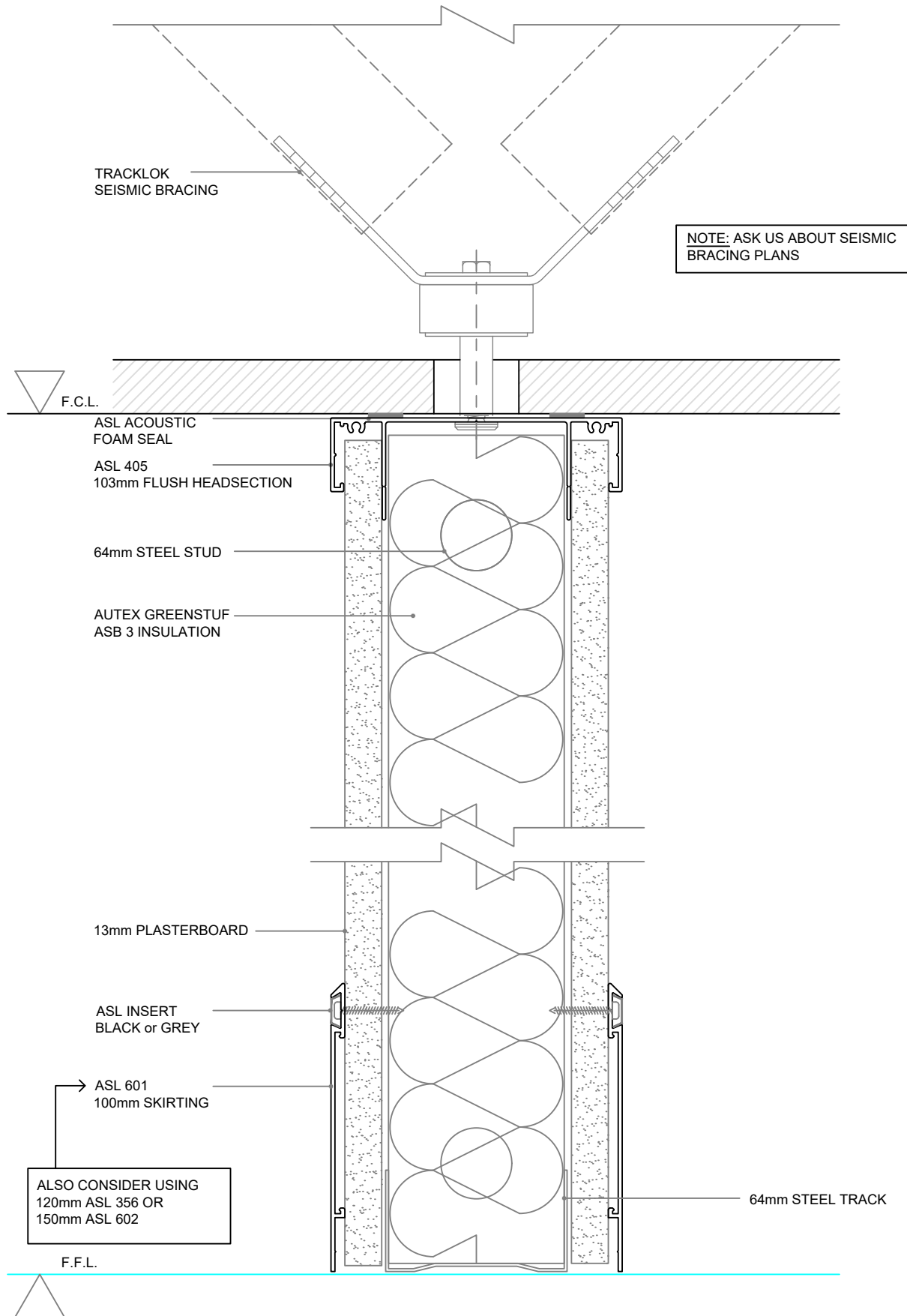


ASL 407
103mm SHADOWLINE HEADSECTION

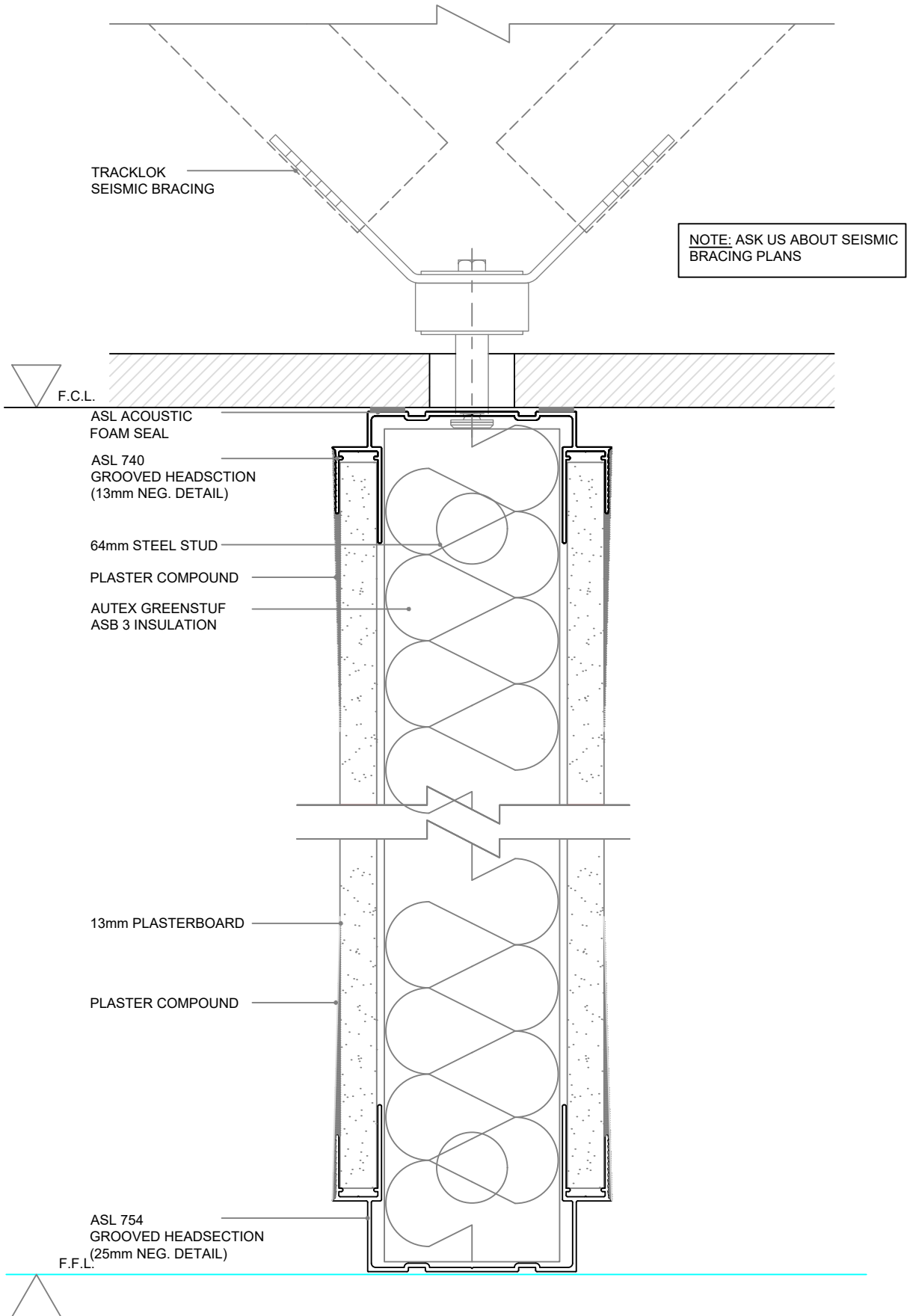
Standard Elevation



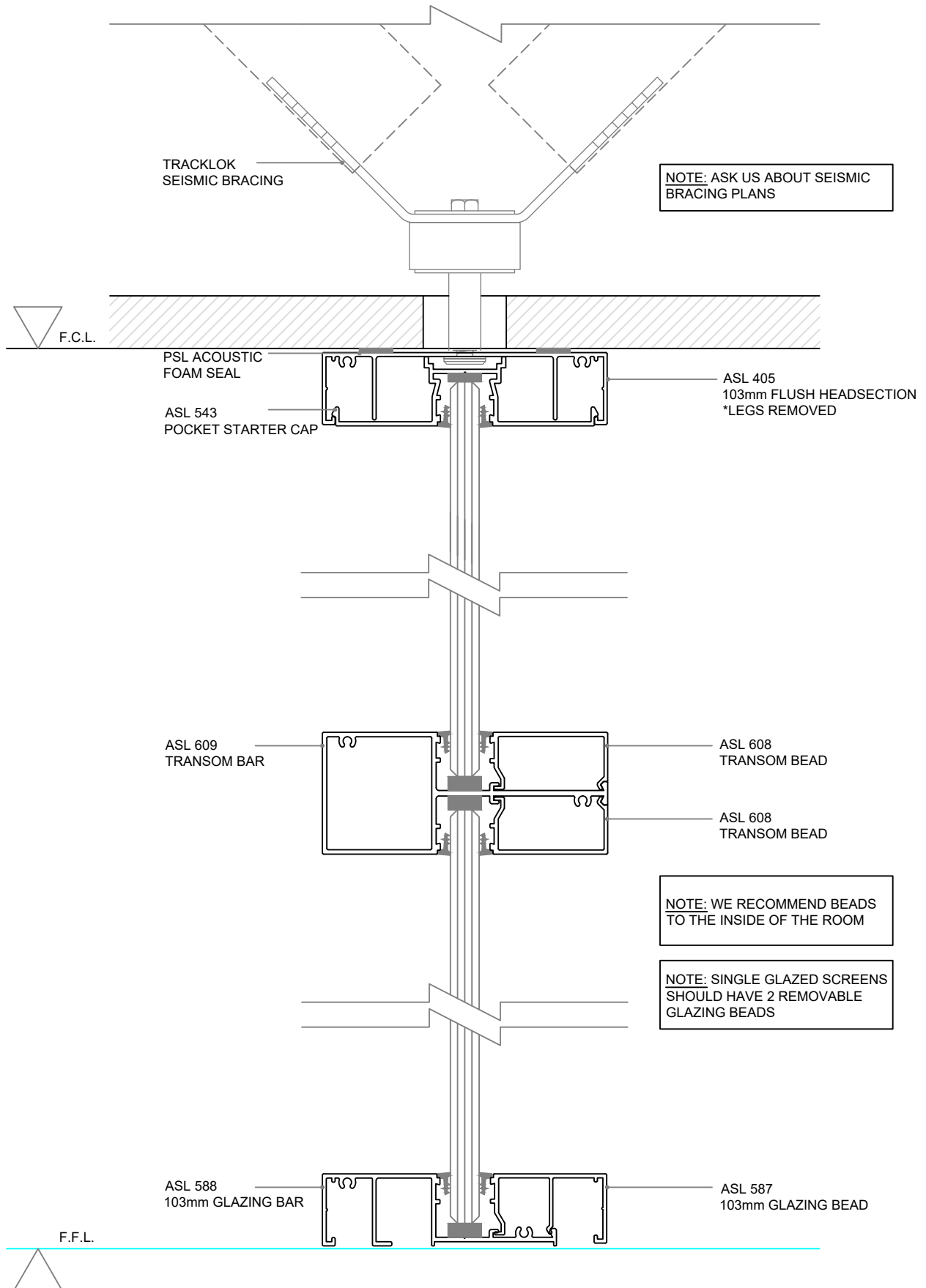
Standard Detail - Headsection Wall - 13mm Plasterboard with Skirting



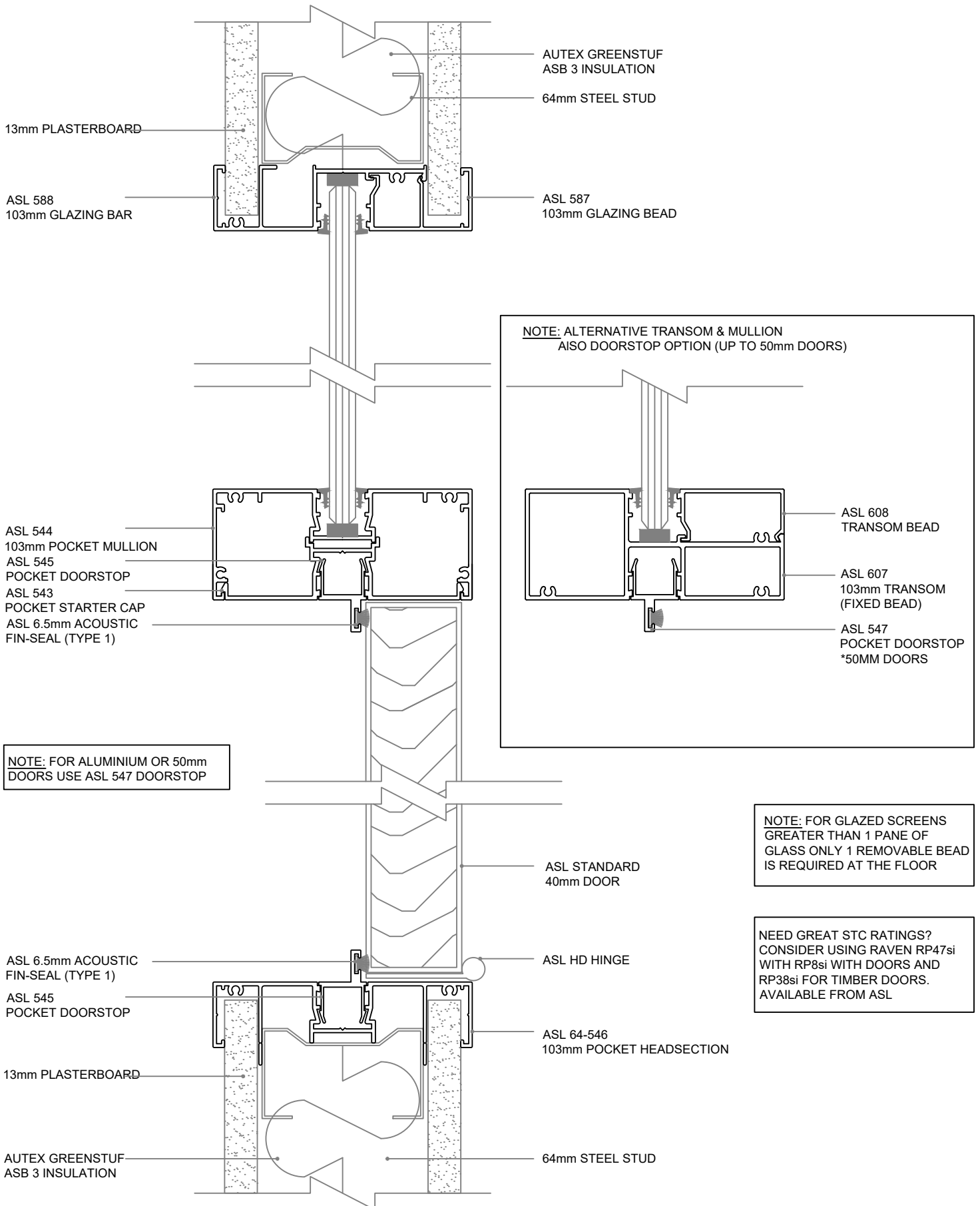
Standard Details Negative Detail Headsection Wall - 13mm Plasterboard with negative detail



Standard Details Glazed Vertical Wall with transom



Standard Details - 64mm Steel Stud, Glazing, Solid Door, 13mm Plasterboard



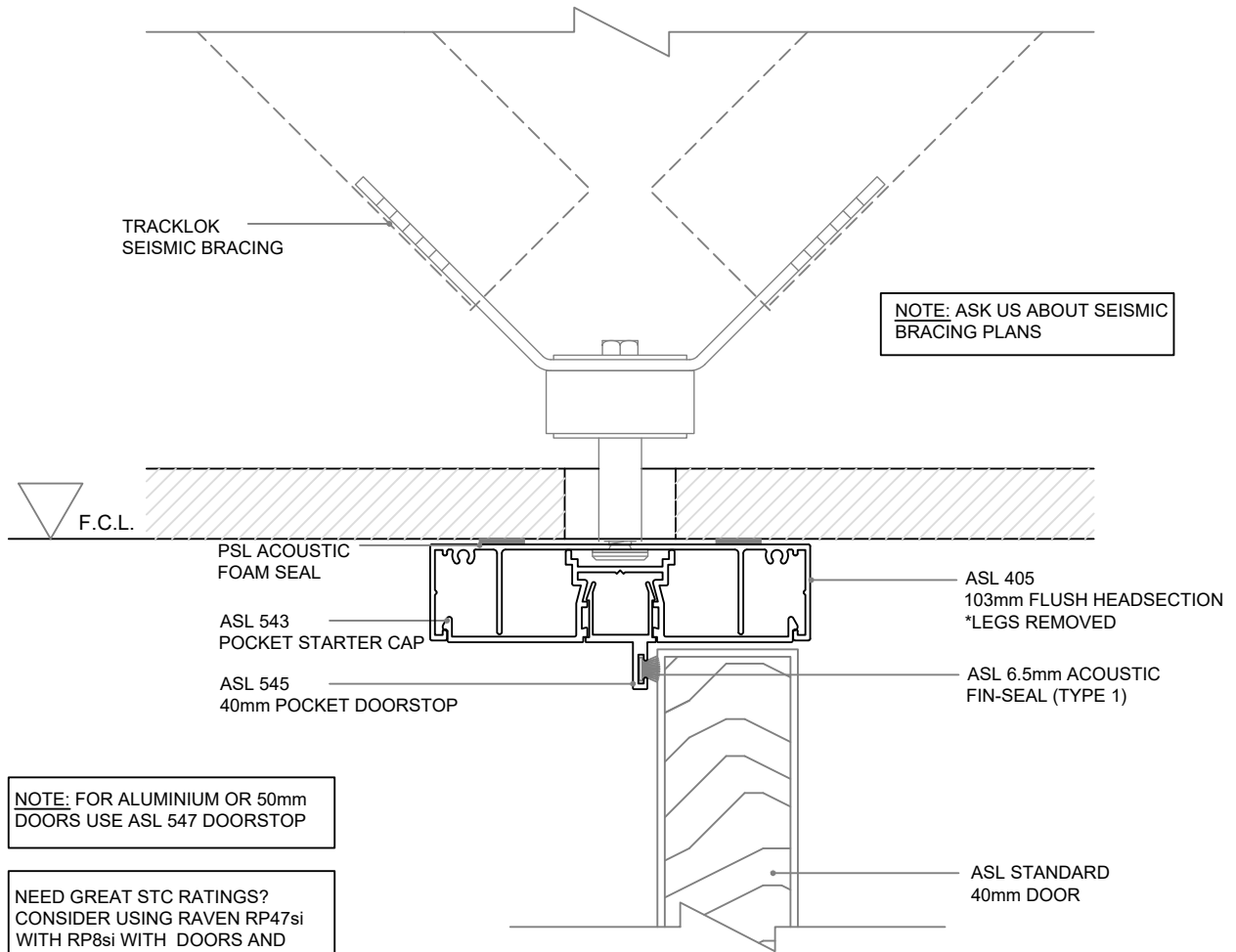
**NOTE: ALTERNATIVE TRANSOM & MULLION
ALSO DOORSTOP OPTION (UP TO 50mm DOORS)**

**NOTE: FOR ALUMINIUM OR 50mm
DOORS USE ASL 547 DOORSTOP**

**NOTE: FOR GLAZED SCREENS
GREATER THAN 1 PANE OF
GLASS ONLY 1 REMOVABLE BEAD
IS REQUIRED AT THE FLOOR**

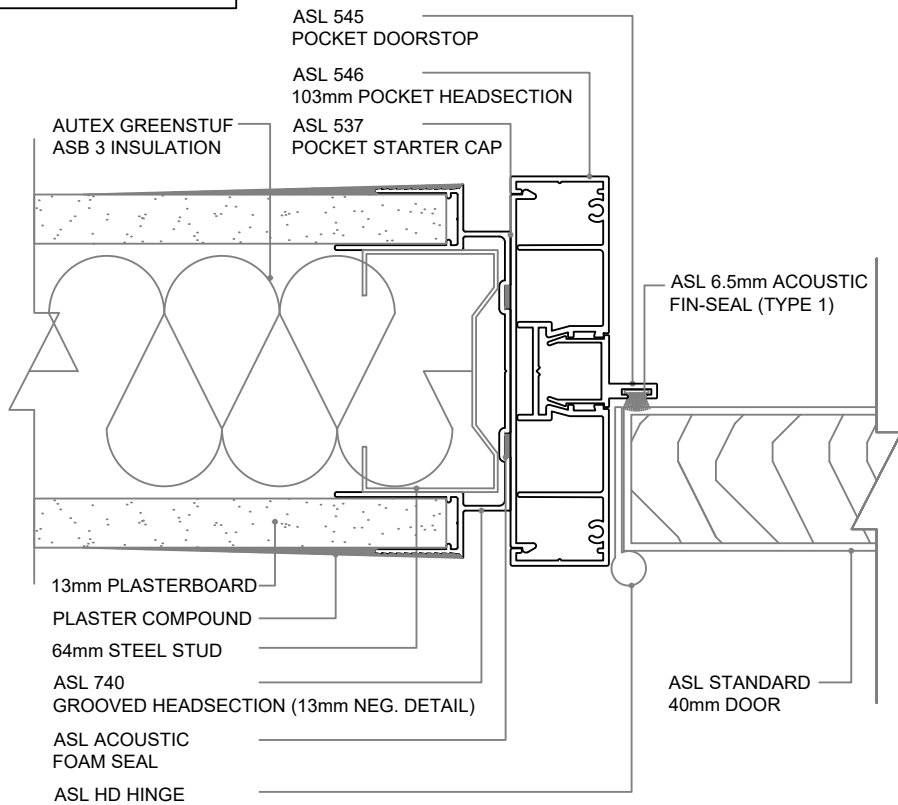
**NEED GREAT STC RATINGS?
CONSIDER USING RAVEN RP47si
WITH RP8si WITH DOORS AND
RP38si FOR TIMBER DOORS.
AVAILABLE FROM ASL**

Standard Details - Door Head, Door Jamb with Negative Detail

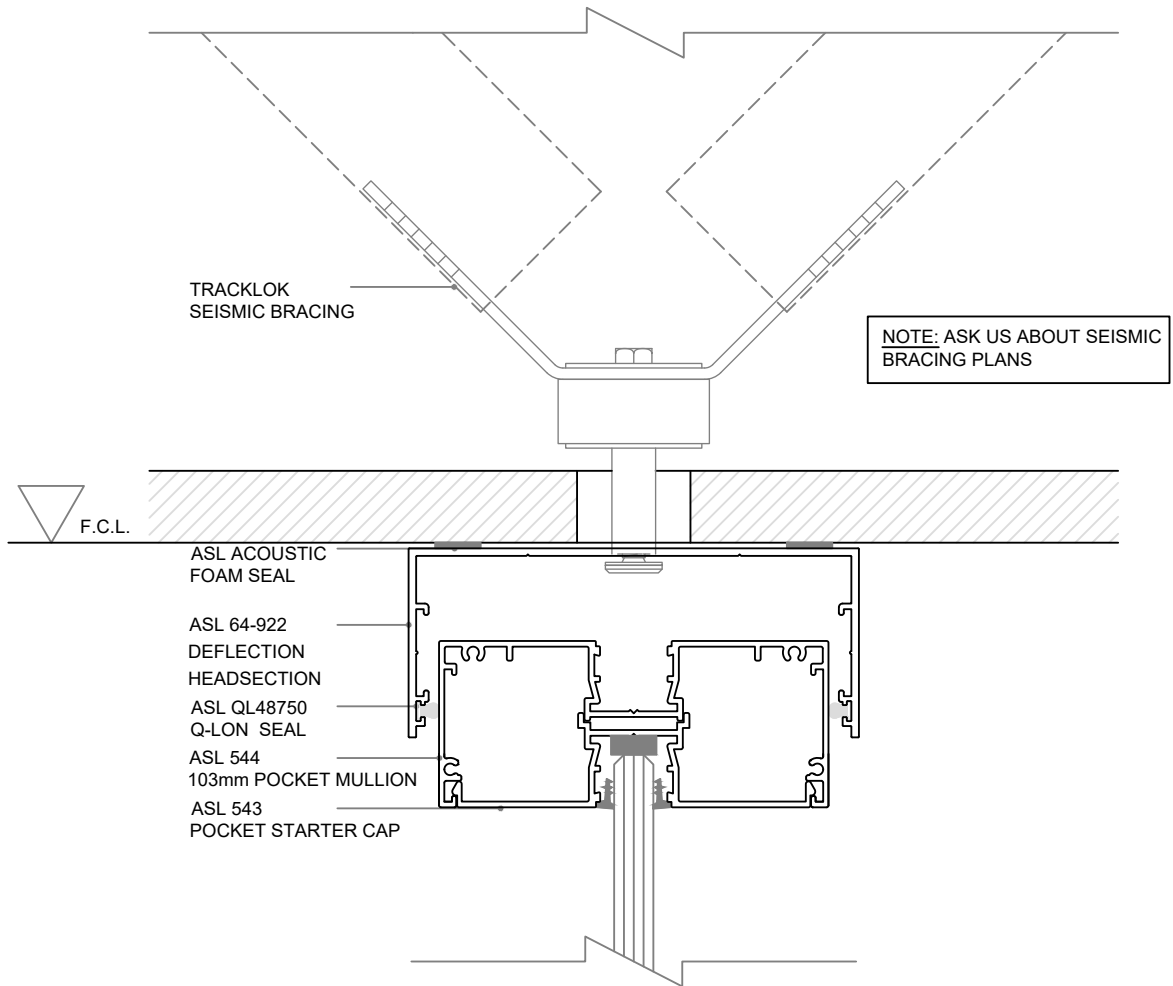


NOTE: FOR ALUMINIUM OR 50mm DOORS USE ASL 547 DOORSTOP

NEED GREAT STC RATINGS?
CONSIDER USING RAVEN RP47si WITH RP8si WITH DOORS AND RP38si FOR TIMBER DOORS. AVAILABLE FROM ASL



Standard Details - Deflection Headsection above Glazed Wall

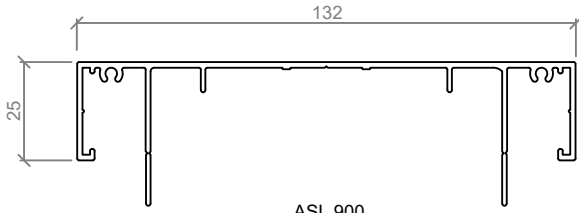


92 Series

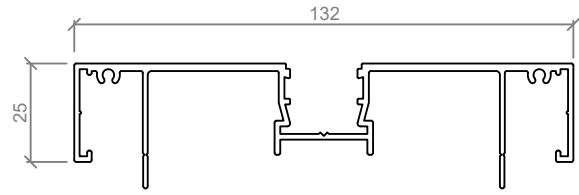
Our 92 series accommodates a 92mm stud width, with a single layer of plasterboard each side. It is the preferred choice for larger spans of glazing or when you need to achieve higher acoustic rating, with the wider stud width allowing for more acoustic insulation. When used in conjunction with our Acoustic, Edge & Multilayer ranges you can achieve some of the best STC ratings whilst maintaining the desired look throughout the entire fitout.

- Suited to 92mm stud
- Designed for high stud ceiling heights
- 132mm wide and profile heights of 25mm to 44mm
- Easily accommodates 12.38mm Laminated glass
- Built in screw ports and staking bracket locators
- Negative detail options available
- Seismic head track option available
- Range of options for mullions, transoms & door frames

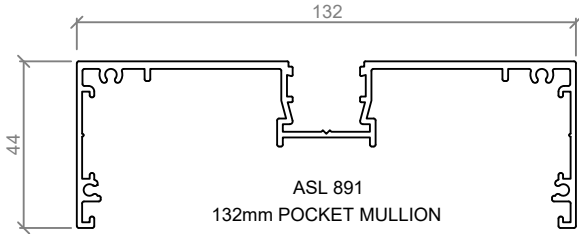
Standard Suite Profiles - Suitable for: 92mm Steel Stud, 13mm Plasterboard incl. Glazing Profiles



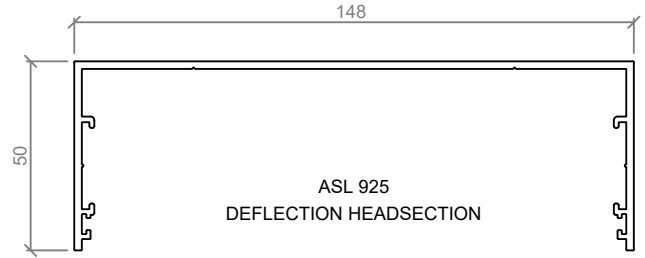
ASL 900
132mm FLUSH HEADSECTION



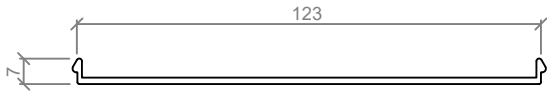
ASL 890
132mm POCKET HEADSECTION



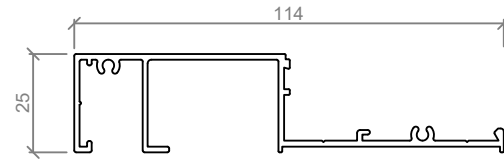
ASL 891
132mm POCKET MULLION



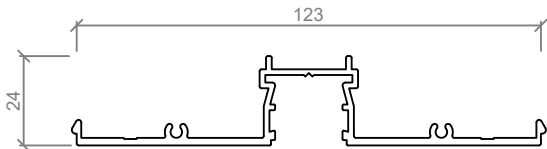
ASL 925
DEFLECTION HEADSECTION



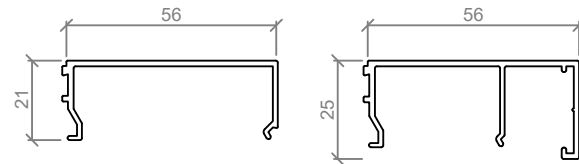
ASL 898
FLUSH STARTER CAP



ASL 895
132mm GLAZING BAR

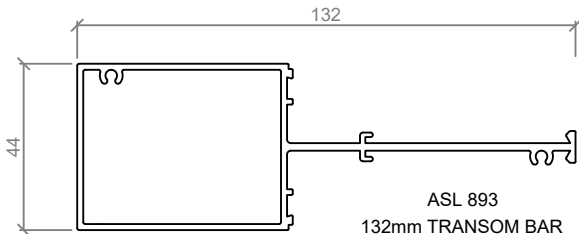


ASL 892
POCKET STARTER CAP

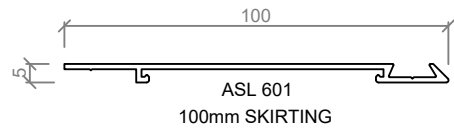


ASL 894
TRANSOM BEAD

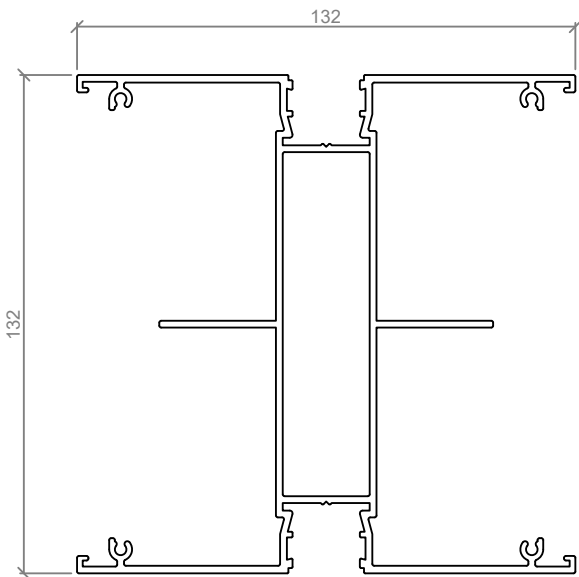
ASL 896
132mm GLAZING BEAD



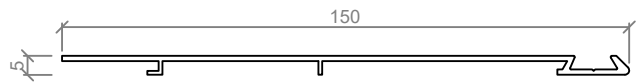
ASL 893
132mm TRANSOM BAR



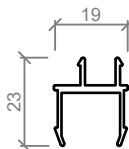
ASL 601
100mm SKIRTING



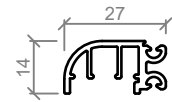
ASL 897
132mm MULTI POST



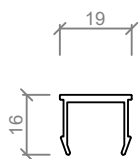
ASL 602
150mm SKIRTING



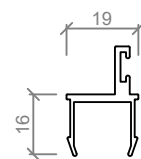
ASL 903
ADJUSTABLE DOOR SEAL
POCKET INFILL CLIP



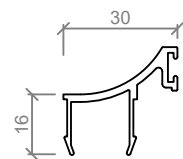
ASL 904
ADJUSTABLE DOOR SEAL



ASL 648
POCKET FLUSH INFILL

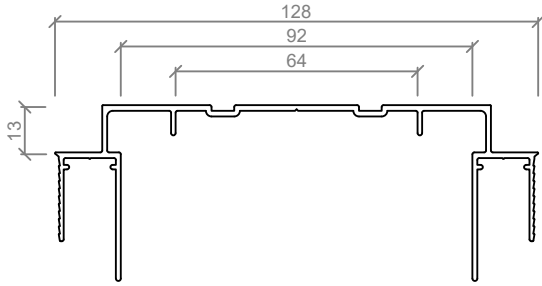


ASL 545
POCKET DOOR STOP
UP TO 50mm DOOR

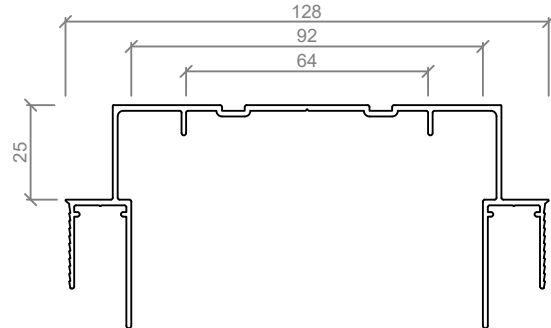


ASL 901
POCKET DOOR STOP
UP TO 45mm DOOR

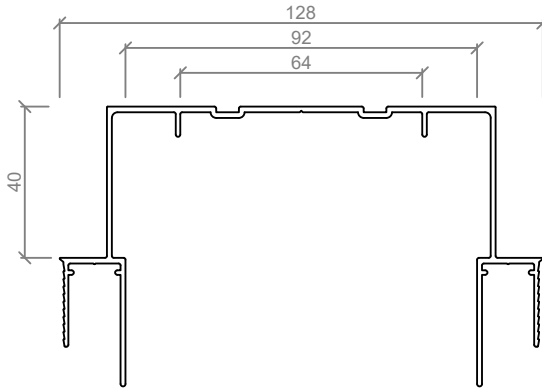
Negative Detail Profiles - Suitable for: 92mm Steel Stud, 13mm Plasterboard



ASL 741
GROOVED HEADSECTION (13mm NEG. DETAIL)

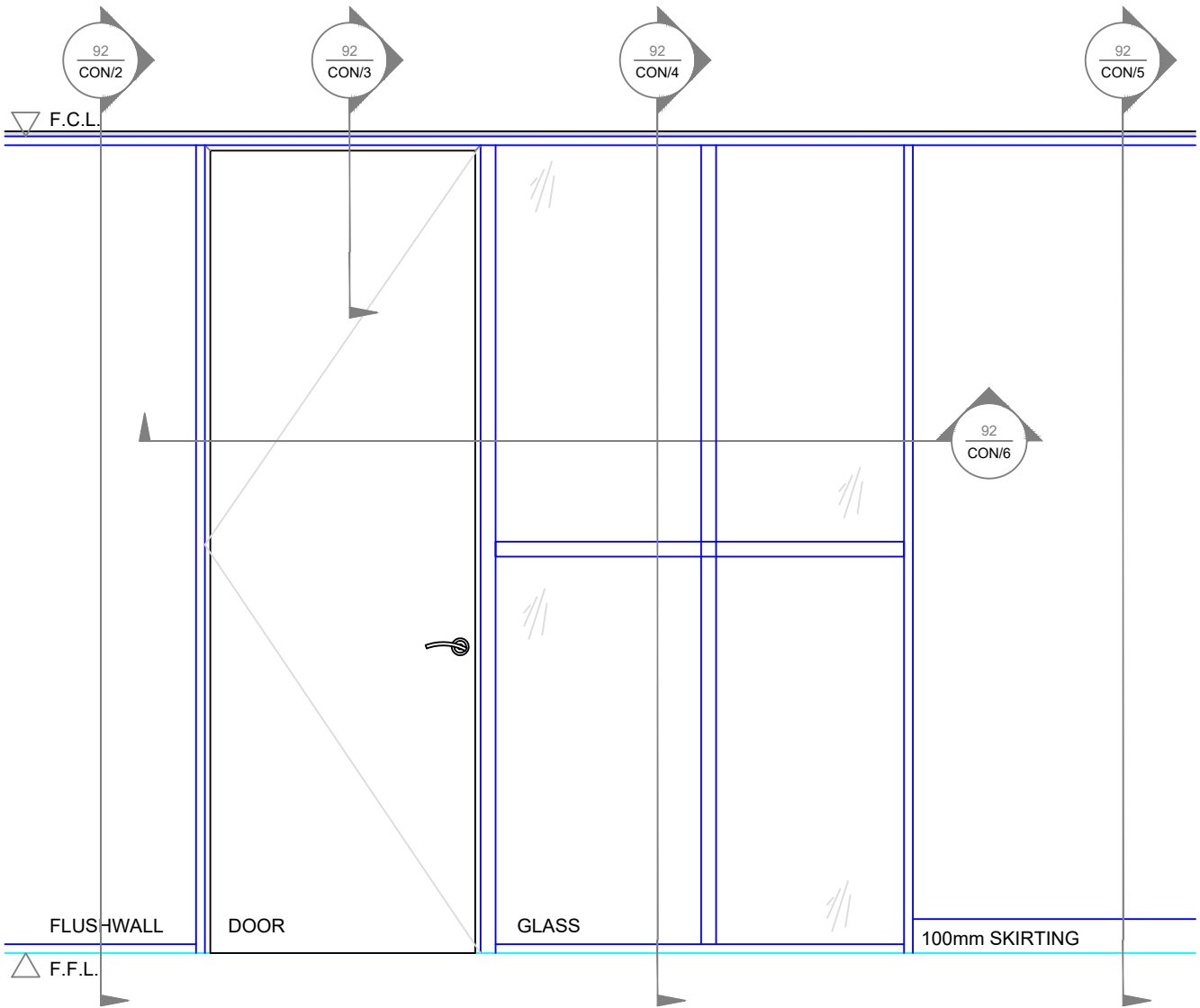


ASL 756
GROOVED HEADSECTION (25mm NEG. DETAIL)

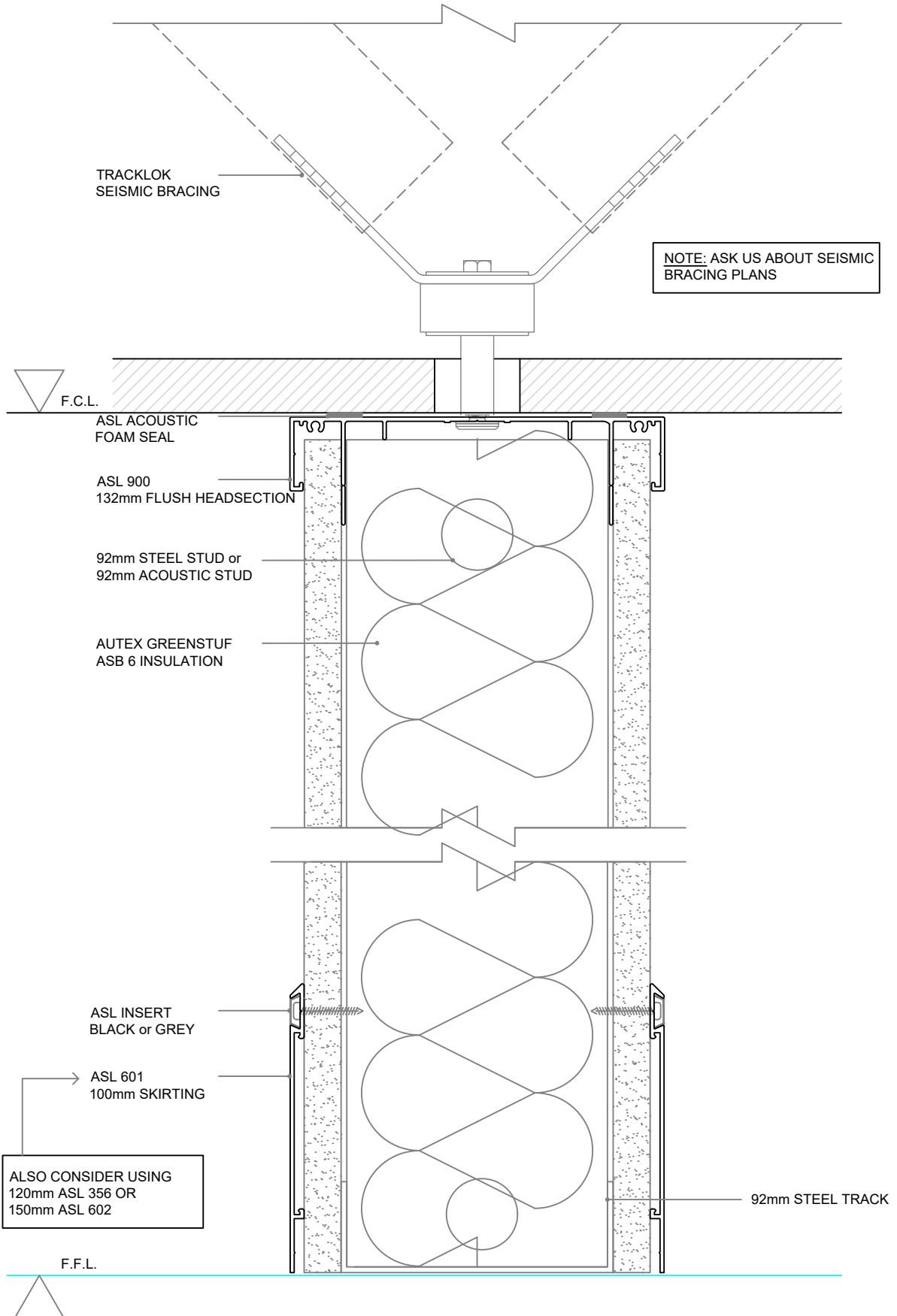


ASL 747
128mm GROOVED HEADSECTION (40mm NEG. DETAIL)

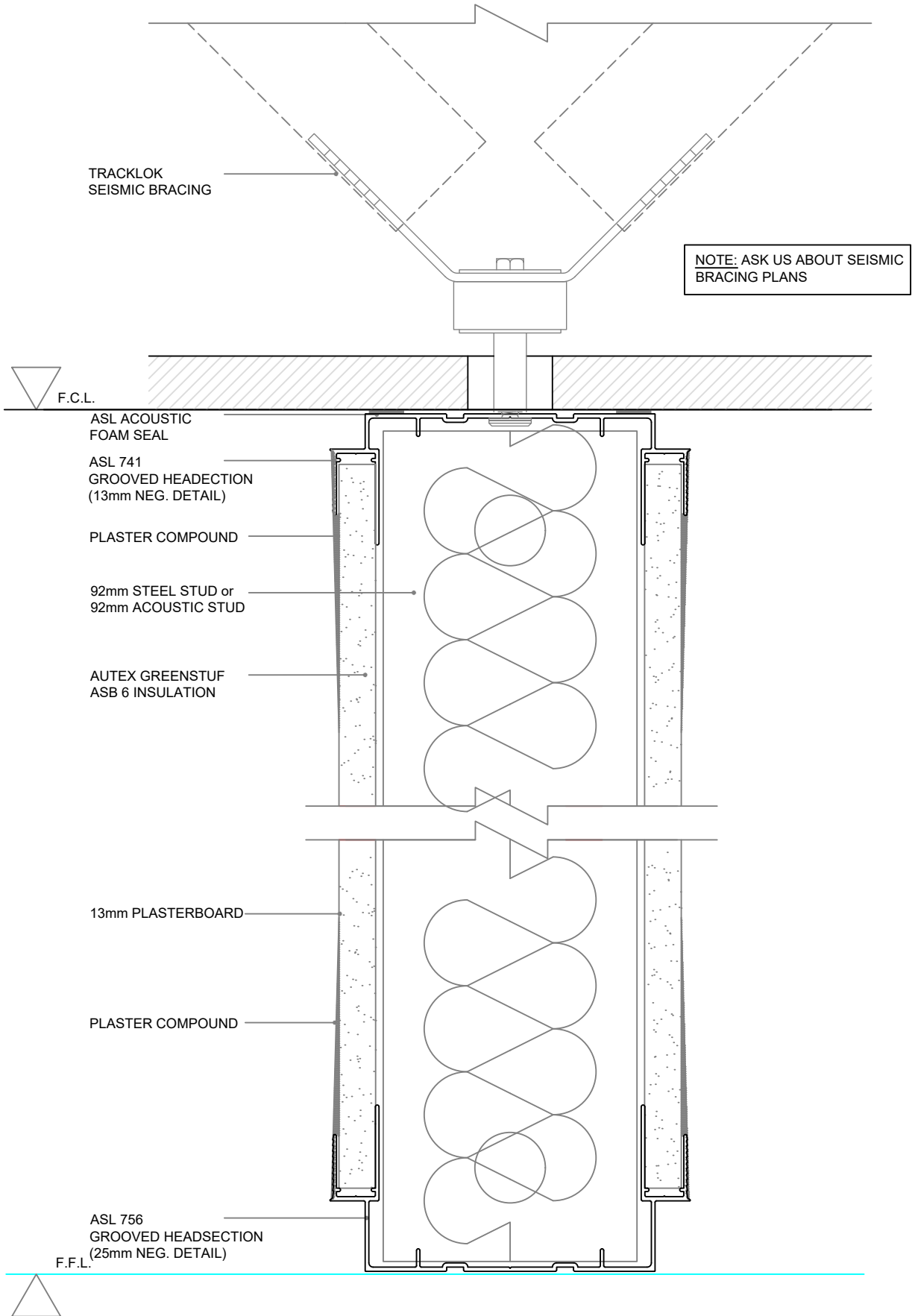
Standard Elevation



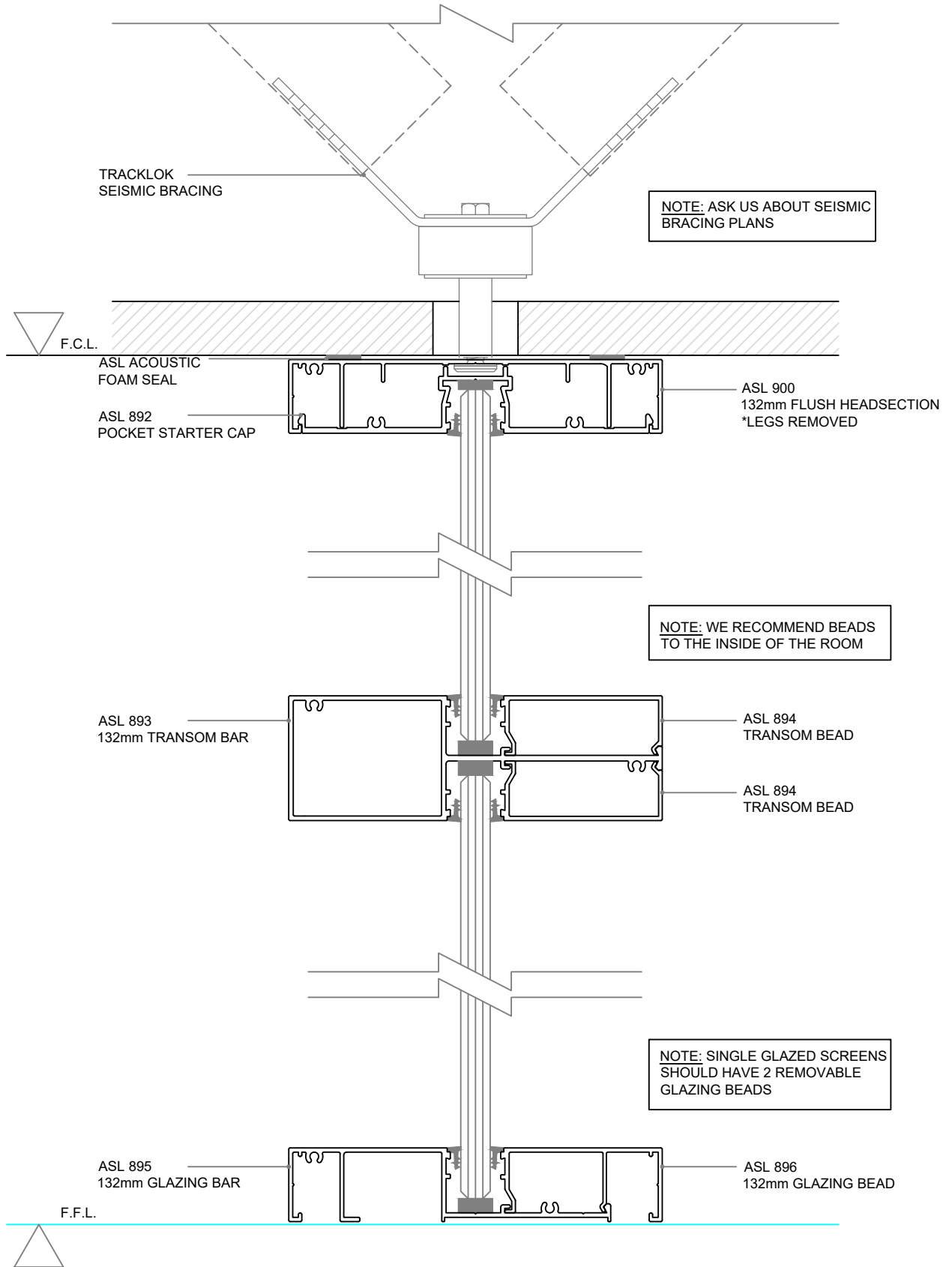
Standard Details - Headsection Wall with 13mm Plasterboard



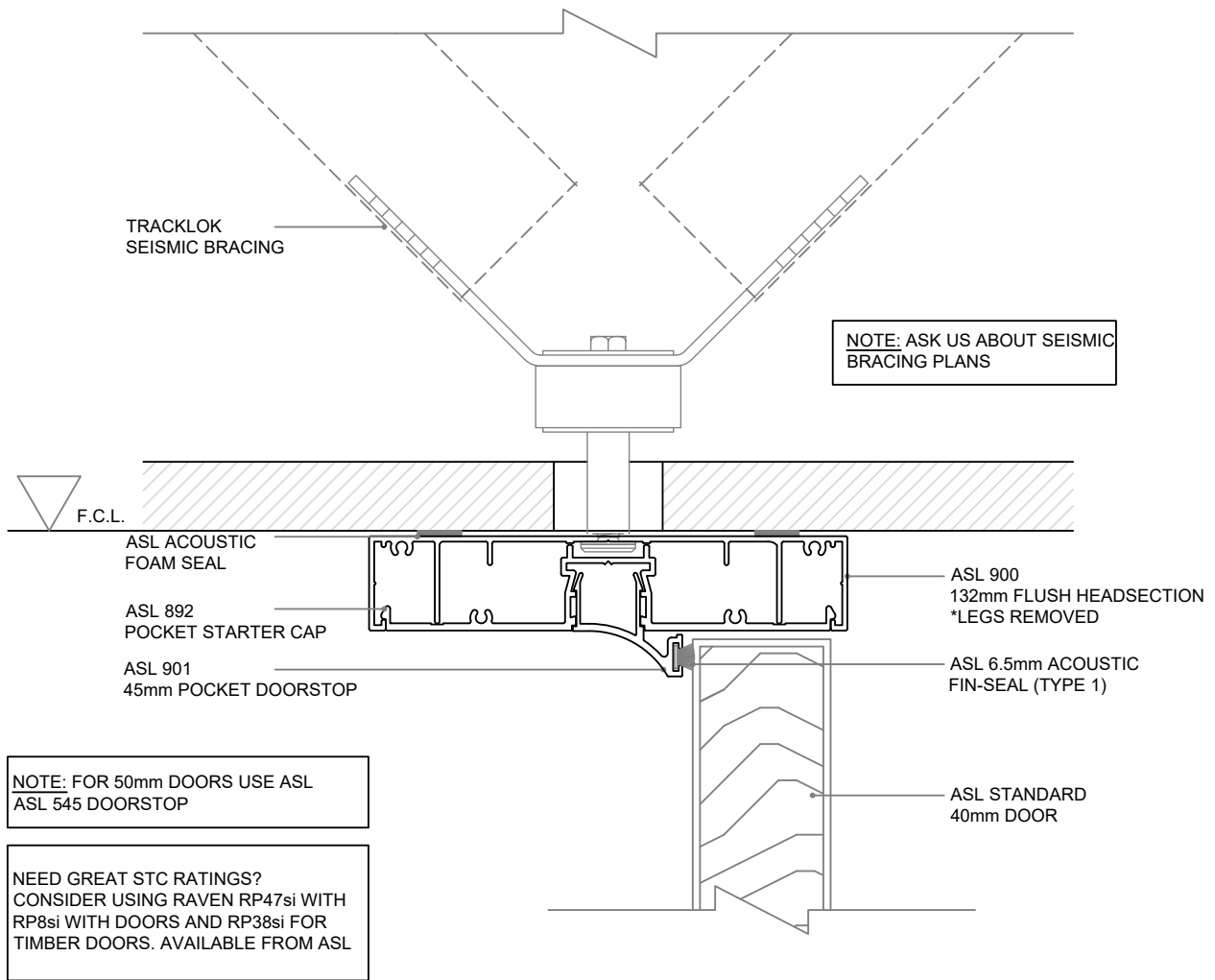
Negative Details - Headsection Wall, 13mm Plasterboard with negative detail



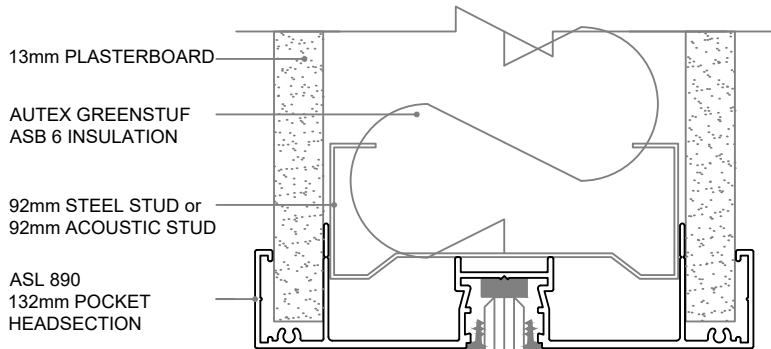
Standard Details - Full Height Glazing with Transom



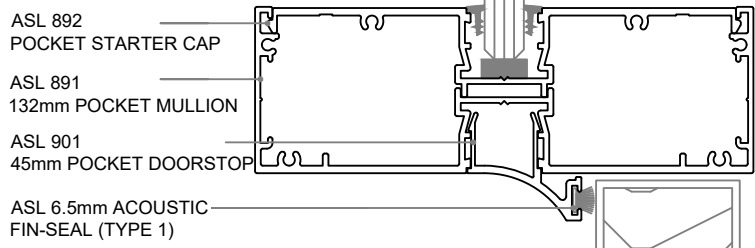
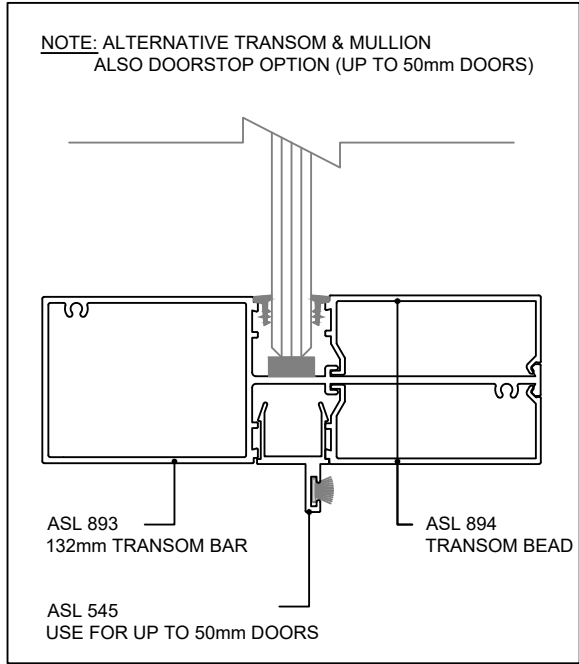
Standard Details - Door Head



Standard Details - 92mm Steel Stud, Glazed Wall, Solid Door, 13mm Plasterboard

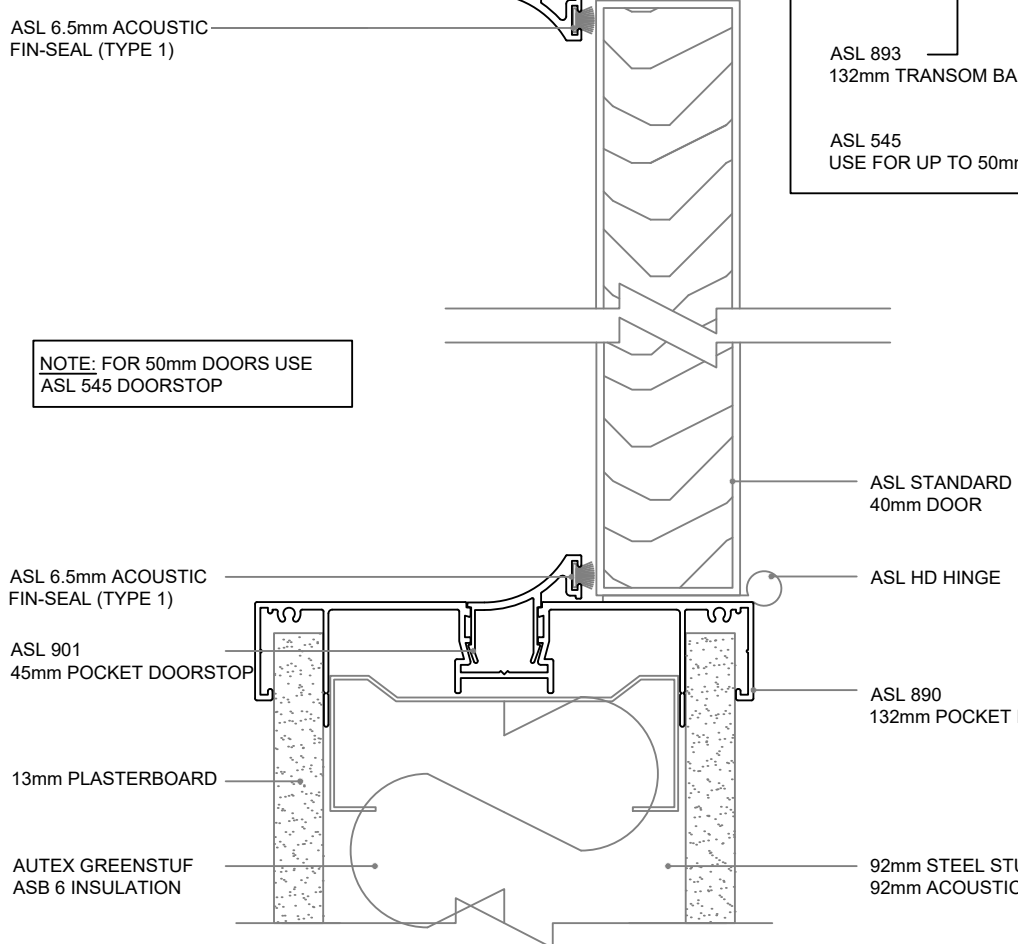


**For Acoustic Door Stop
[InStop] see page XX**



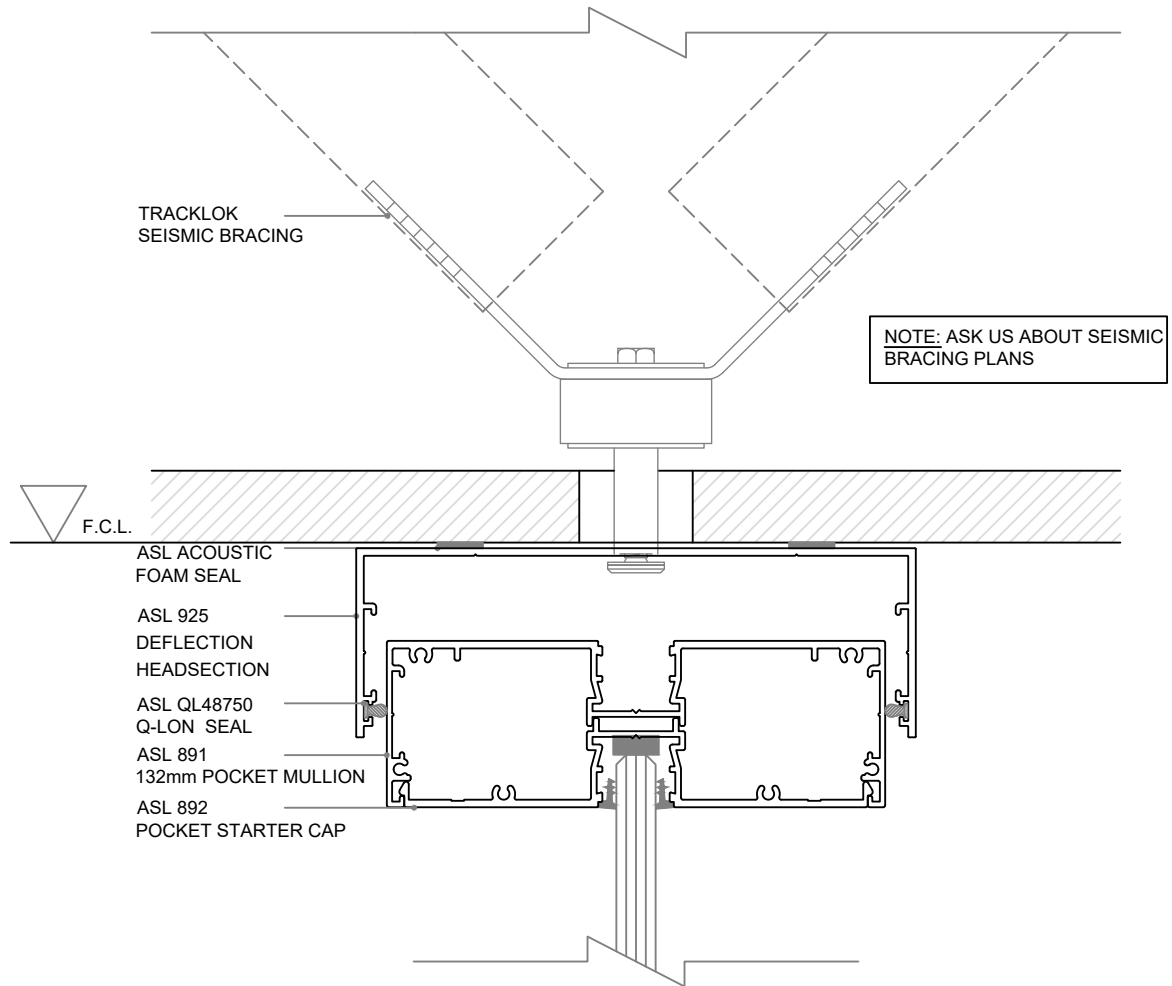
**NOTE: FOR GLAZED SCREENS
GREATER THAN 1 PANE OF
GLASS ONLY 1 REMOVABLE BEAD
IS REQUIRED AT THE FLOOR**

**NOTE: FOR 50mm DOORS USE
ASL 545 DOORSTOP**



**NEED GREAT STC RATINGS?
CONSIDER USING ASL INSTOP
SYSTEM OR ALTERNATIVELY
RAVEN RP47si WITH RP8si WITH
DOORS AND RP38si FOR TIMBER
DOORS. AVAILABLE FROM ASL**

Standard Details - Deflection Headsection above Glazed Wall

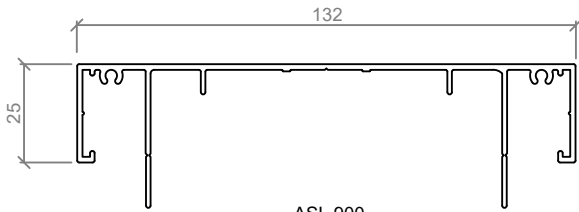


DesignLine

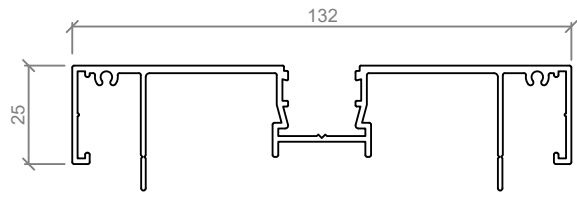
Designline is our answer to low cost office fitouts. The slim 45mm profiles offer a refined minimalistic look without compromising the stability of the walls. Our grooved headsections allow you to easily centre your glazing or door frame after capping the wall, and our door jamb options allow for door widths of up to 50mm.

- Works with all ASL systems
- Designed for ceiling heights under 2.8m
- Includes glazing profile of 44mm x 25mm
- Includes door jambs, glazing bars and mullions
- Can be used independently or in conjunction with ASL head tracks

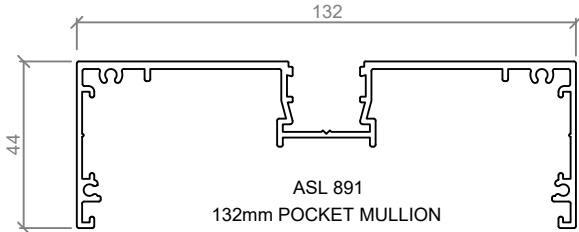
Standard Suite Profiles - Suitable for: 64 & 92 Steel Stud, 13mm Plasterboard incl. Glazing Profiles



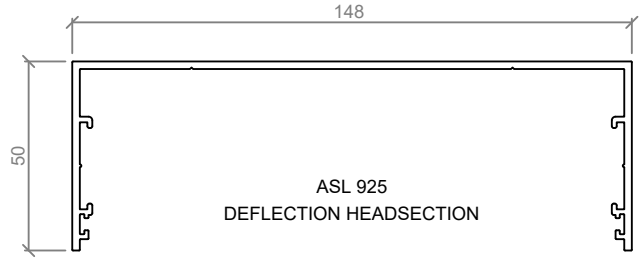
ASL 900
132mm FLUSH HEADSECTION



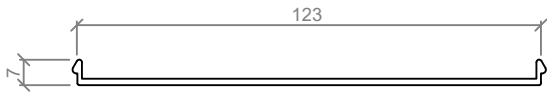
ASL 890
132mm POCKET HEADSECTION



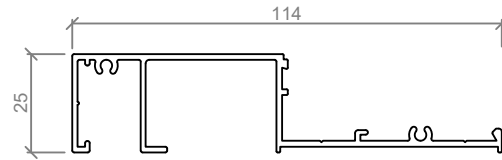
ASL 891
132mm POCKET MULLION



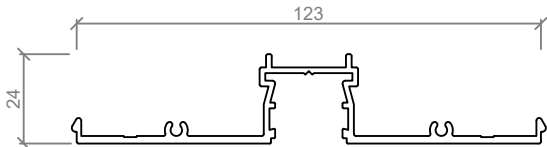
ASL 925
DEFLECTION HEADSECTION



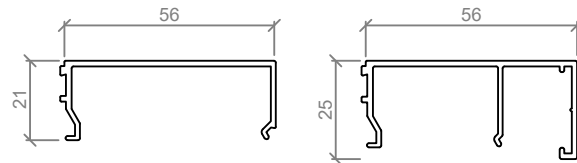
ASL 898
FLUSH STARTER CAP



ASL 895
132mm GLAZING BAR

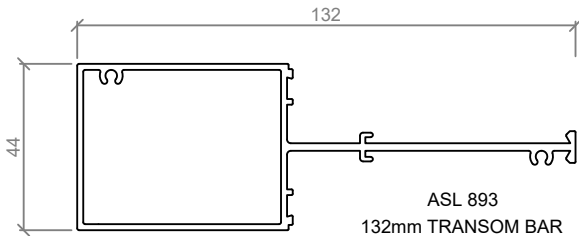


ASL 892
POCKET STARTER CAP

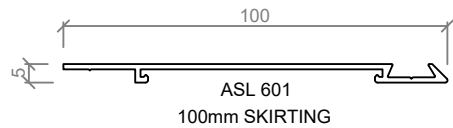


ASL 894
TRANSOM BEAD

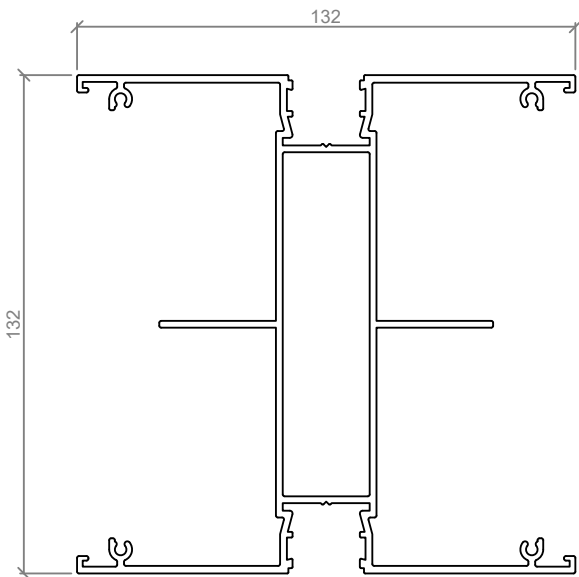
ASL 896
132mm GLAZING BEAD



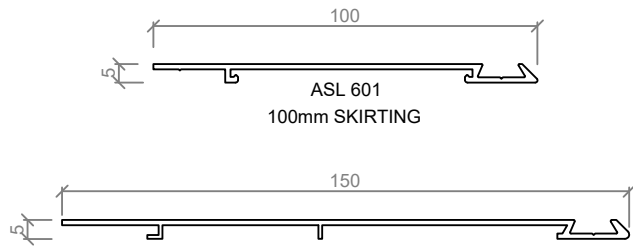
ASL 893
132mm TRANSOM BAR



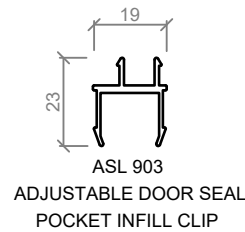
ASL 601
100mm SKIRTING



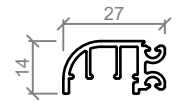
ASL 897
132mm MULTI POST



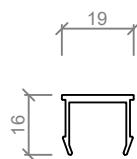
ASL 602
150mm SKIRTING



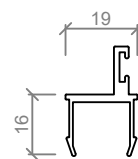
ASL 903
ADJUSTABLE DOOR SEAL
POCKET INFILL CLIP



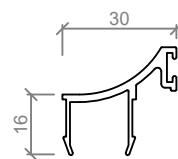
ASL 904
ADJUSTABLE DOOR SEAL



ASL 648
POCKET FLUSH INFILL

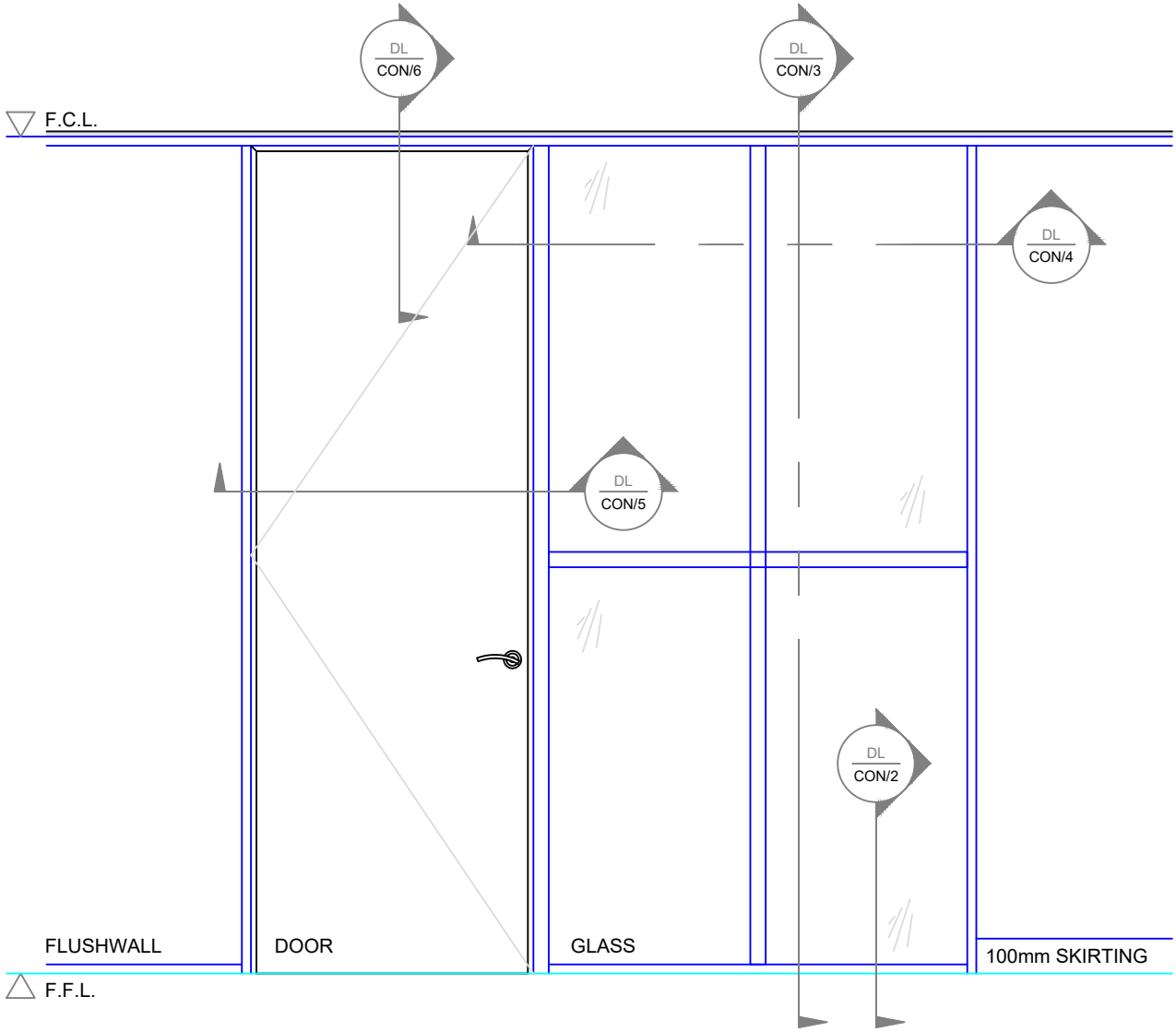


ASL 545
POCKET DOOR STOP
UP TO 50mm DOOR

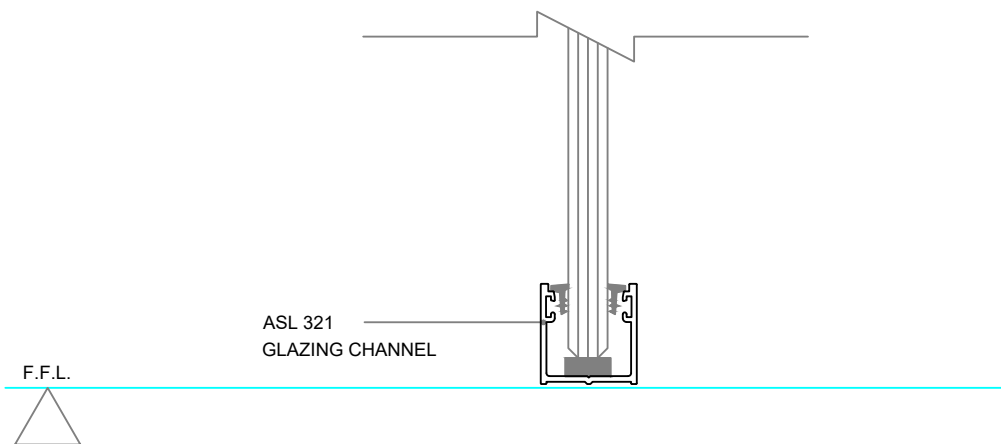
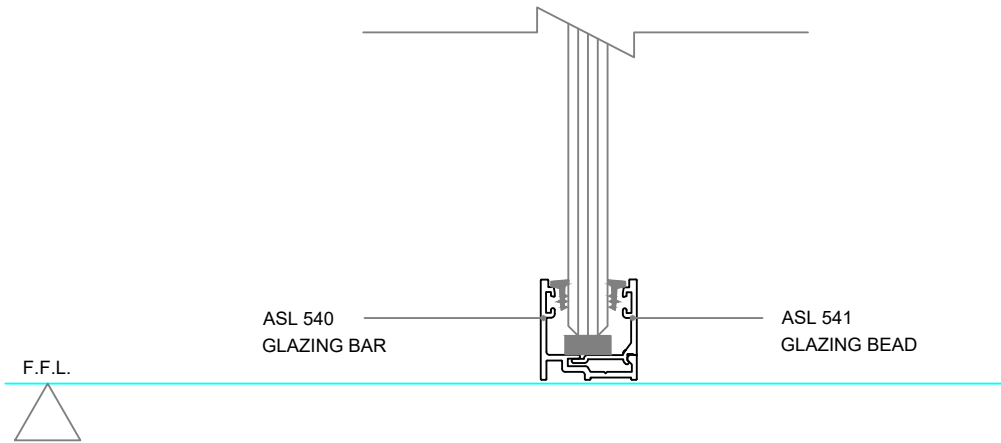
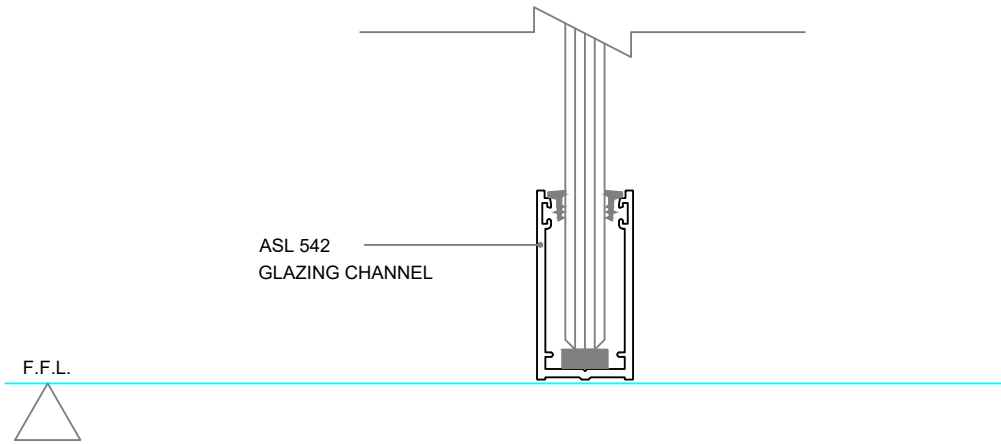


ASL 901
POCKET DOOR STOP
UP TO 45mm DOOR

Standard Elevation

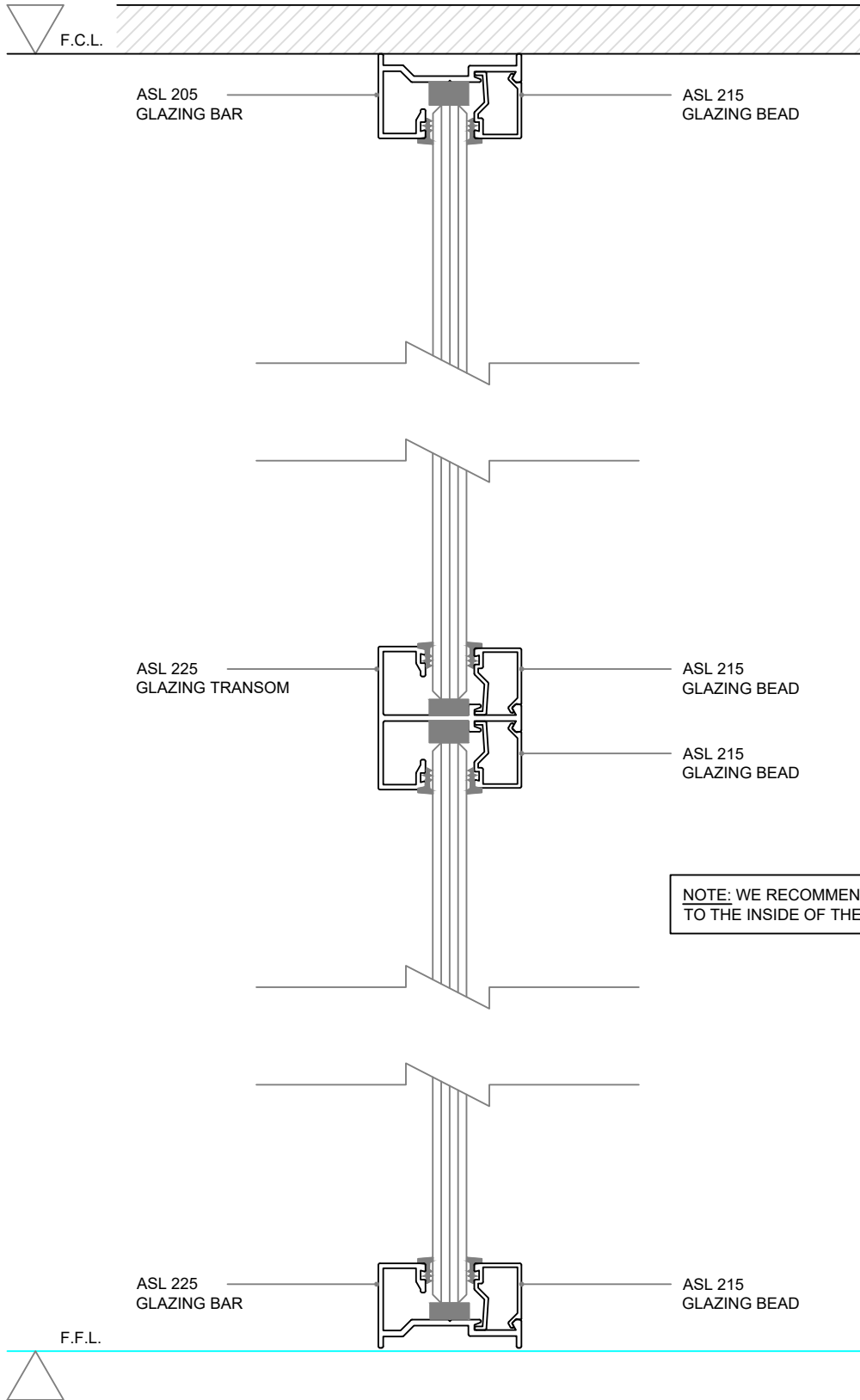


Standard Details - Door Head, Glazing Channel, Glazing Bar & Bead

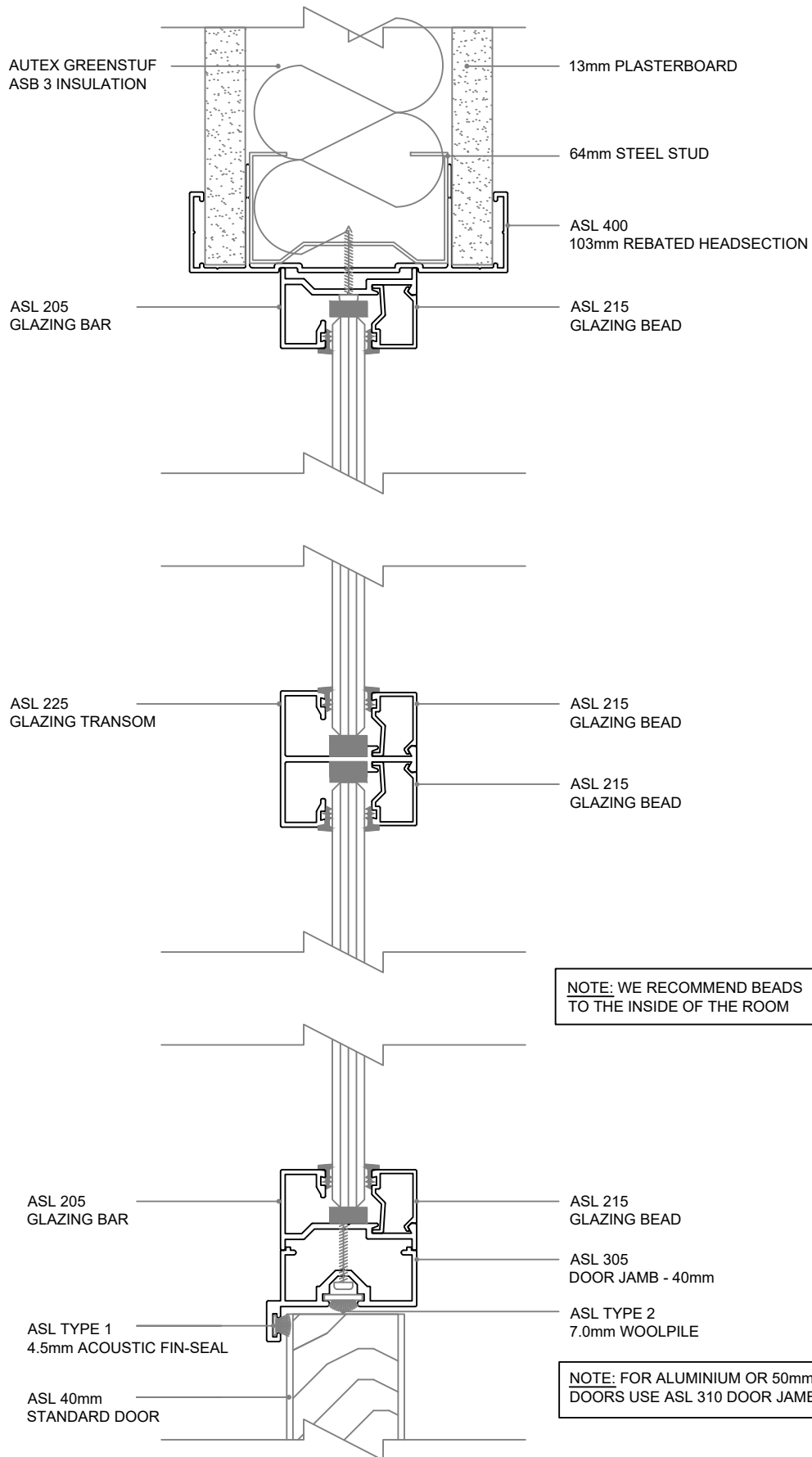


Standard Details - Full Height Glazed Wall with Transom

NOTE: WHERE SEISMIC BRACING IS REQUIRED, USE ASL 400 / 205 / 215

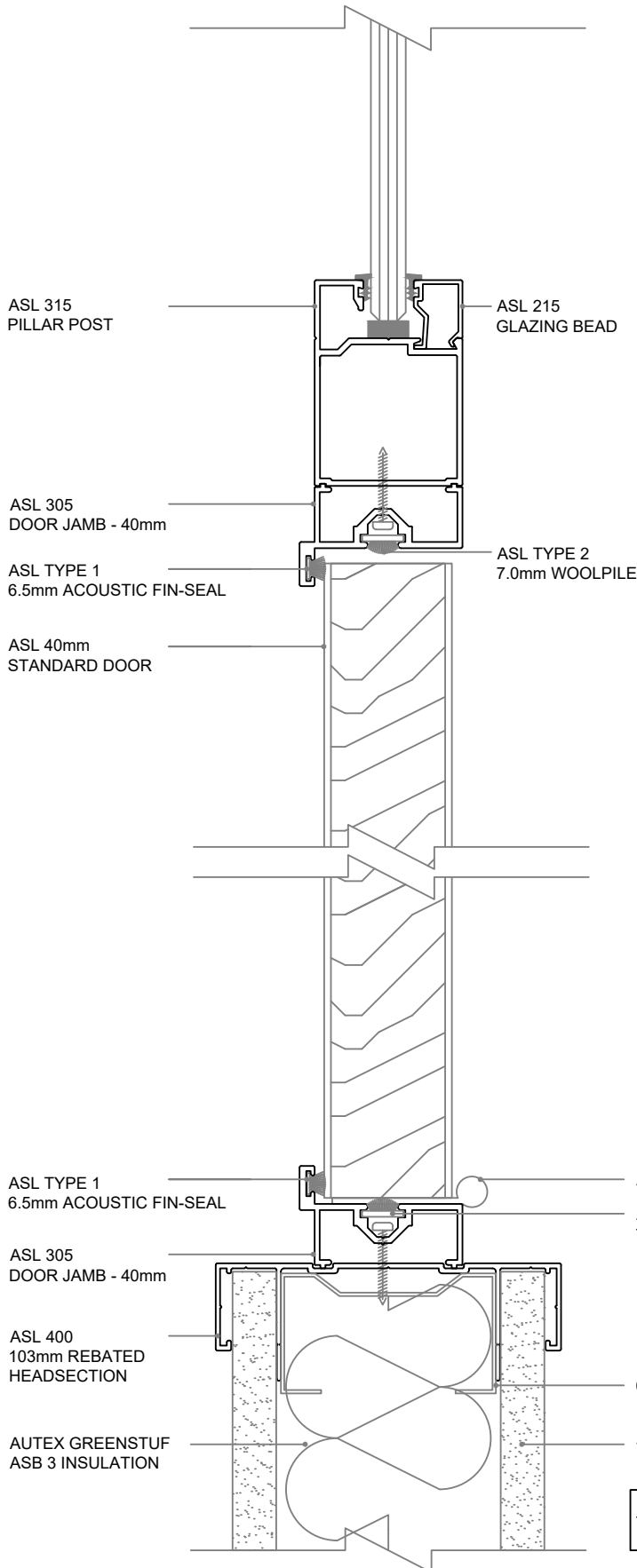


Standard Details - 64mm Steel Stud, Solid Door, Pillar Post, Glazing

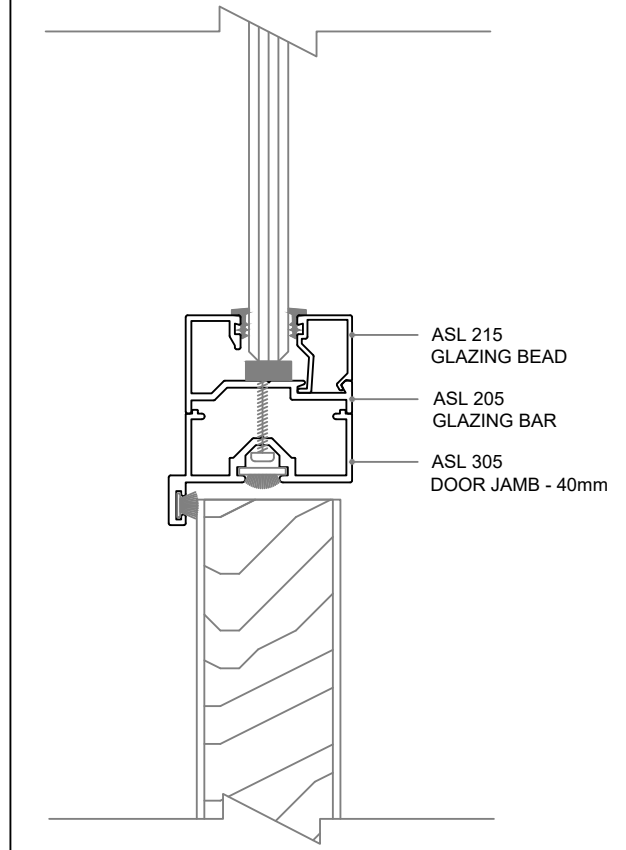


Standard Details - Solid Door with Mullion, 64mm Steel Stud

NOTE: FOR WALLS UP TO 2.8M TALL



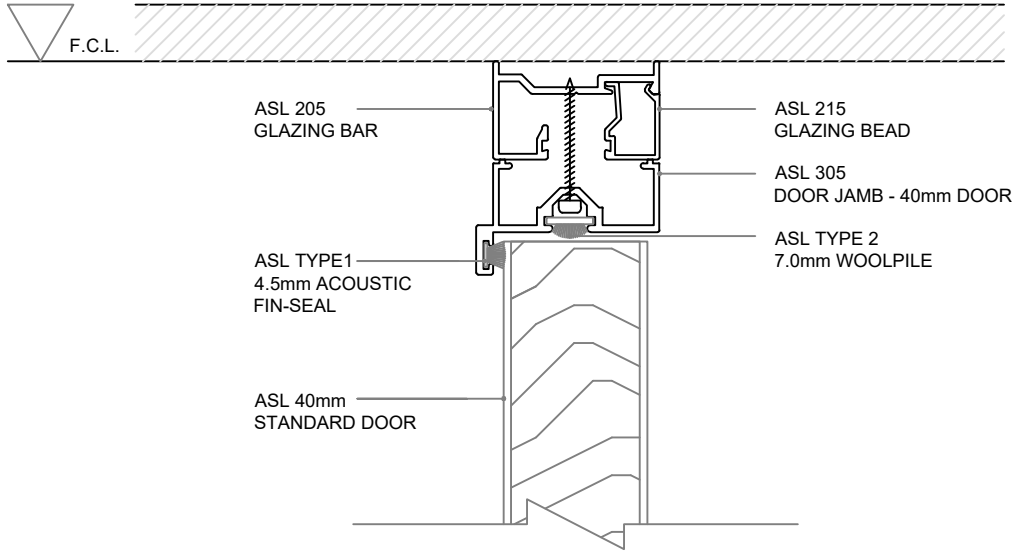
NOTE: FOR WALLS UNDER 2.3M TALL



NOTE: FOR ALUMINIUM OR 50mm DOORS USE ASL DL-310 DOOR JAMB

Standard Details - Door Head

NOTE: HEAD BAR & BEAD TO COVER THE FULL OPENING

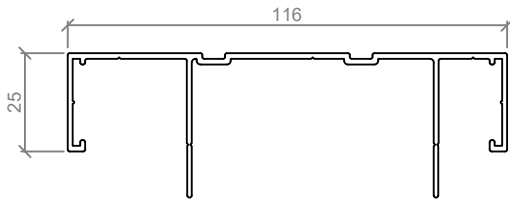


MultiLayer

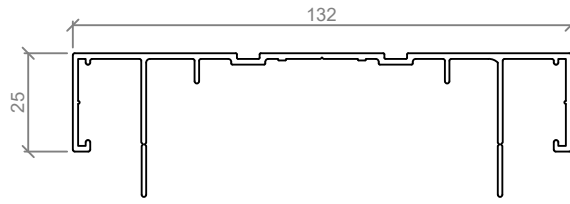
Our Multilayer range is designed to allow multiple linings of plasterboard and achieve greater wall strength and acoustic ratings. This system is the preferred option when you need a thicker wall, or want a different look for your next fitout. With profile widths ranging from 116mm to 158mm, there is an option for almost any lining selection.

- Suited to both 64mm and 92mm stud walls
- Integrates with both 64 Series and 92 Series
- Multiple linings to suit any application
- Built in screw ports and staking bracket locators

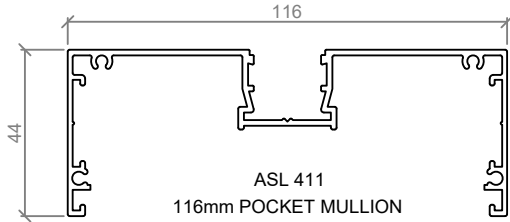
Standard Suite Profiles - Suitable for: 64 & 92mm Steel Stud, Multiple Layers 13mm Plasterboard



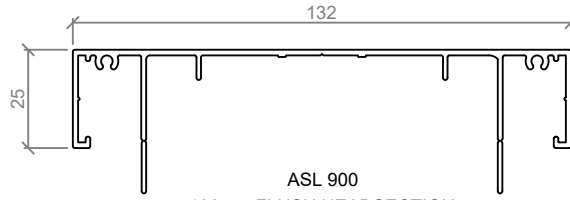
ASL 408
116mm REBATED HEADSECTION



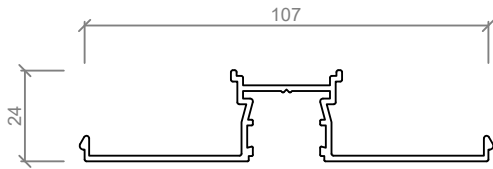
ASL 420
132mm GROOVED HEADSECTION



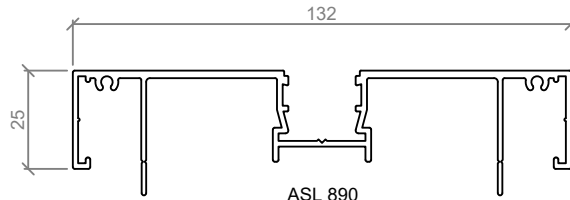
ASL 411
116mm POCKET MULLION



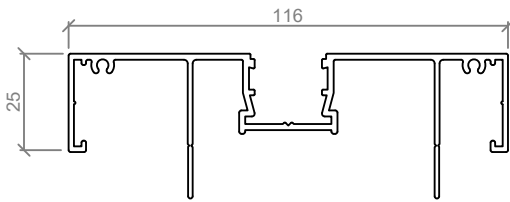
ASL 900
132mm FLUSH HEADSECTION



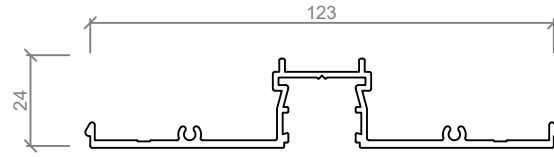
ASL 412
POCKET STARTER CAP



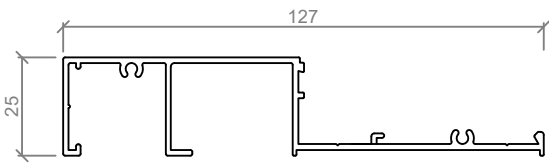
ASL 890
132mm POCKET HEADSECTION



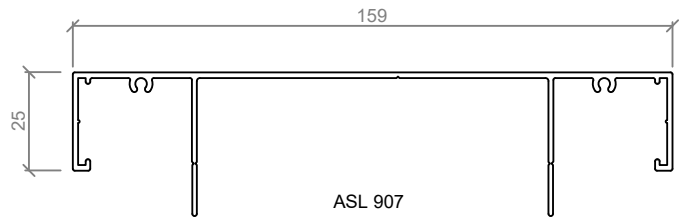
ASL 413
116mm POCKET HEADSECTION



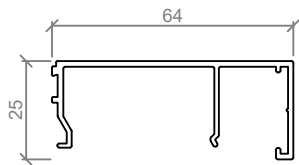
ASL 892
POCKET STARTER CAP



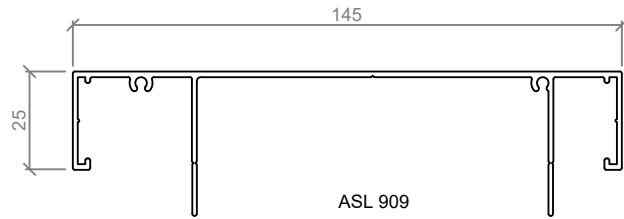
ASL 931
145mm GLAZING BAR



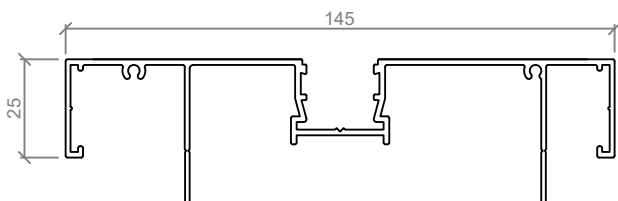
ASL 907
159mm FLUSH HEADSECTION



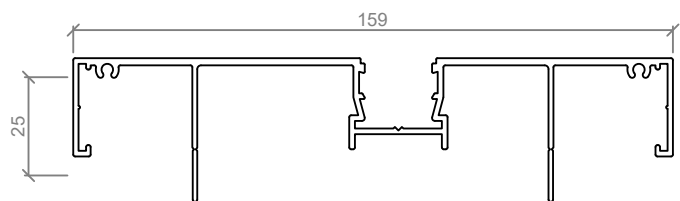
ASL 932
145mm GLAZING BEAD



ASL 909
145mm FLUSH HEADSECTION

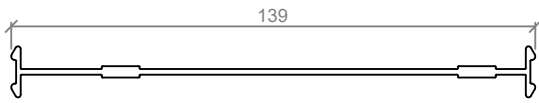


ASL 930
145mm POCKET HEADSECTION

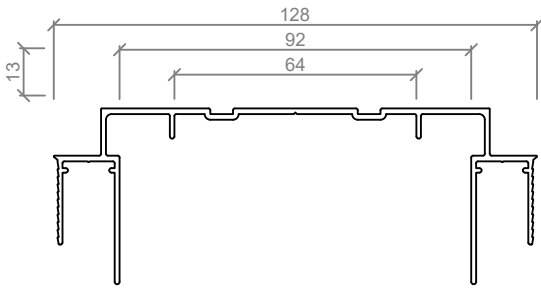


ASL 940
159mm OFFSET POCKET HEADSECTION

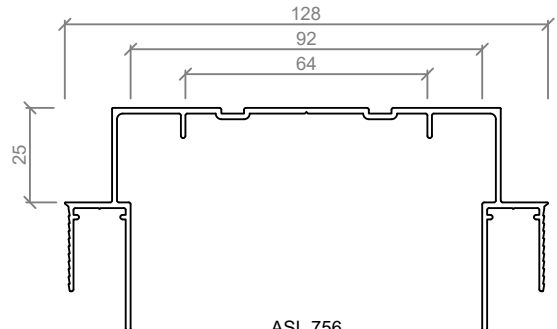
Standard Suite & Negative Detail Profiles - Suitable for: 64 & 92mm Steel Stud, Multiple Layers
13mm Plasterboard



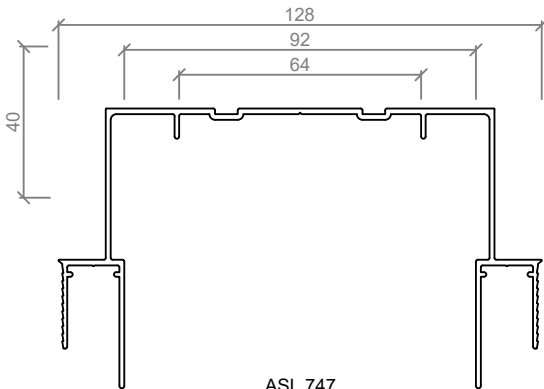
ASL 933
MULTILAYER JOINER PLATE



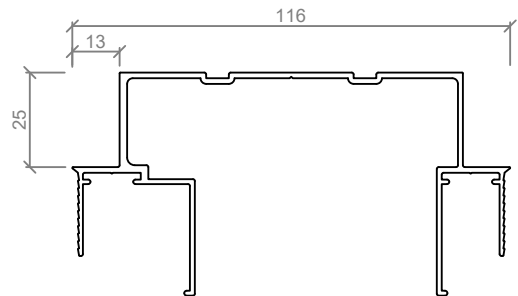
ASL 741
REBATED HEADSECTION (13mm NEG. DETAIL)



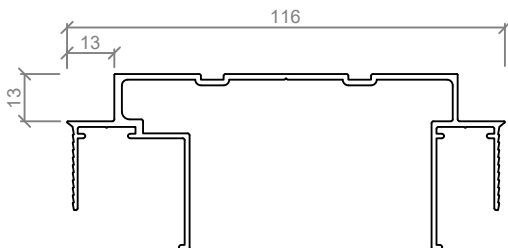
ASL 756
REBATED HEADSECTION (25mm NEG. DETAIL)



ASL 747
REBATED HEADSECTION (40mm NEG. DETAIL)

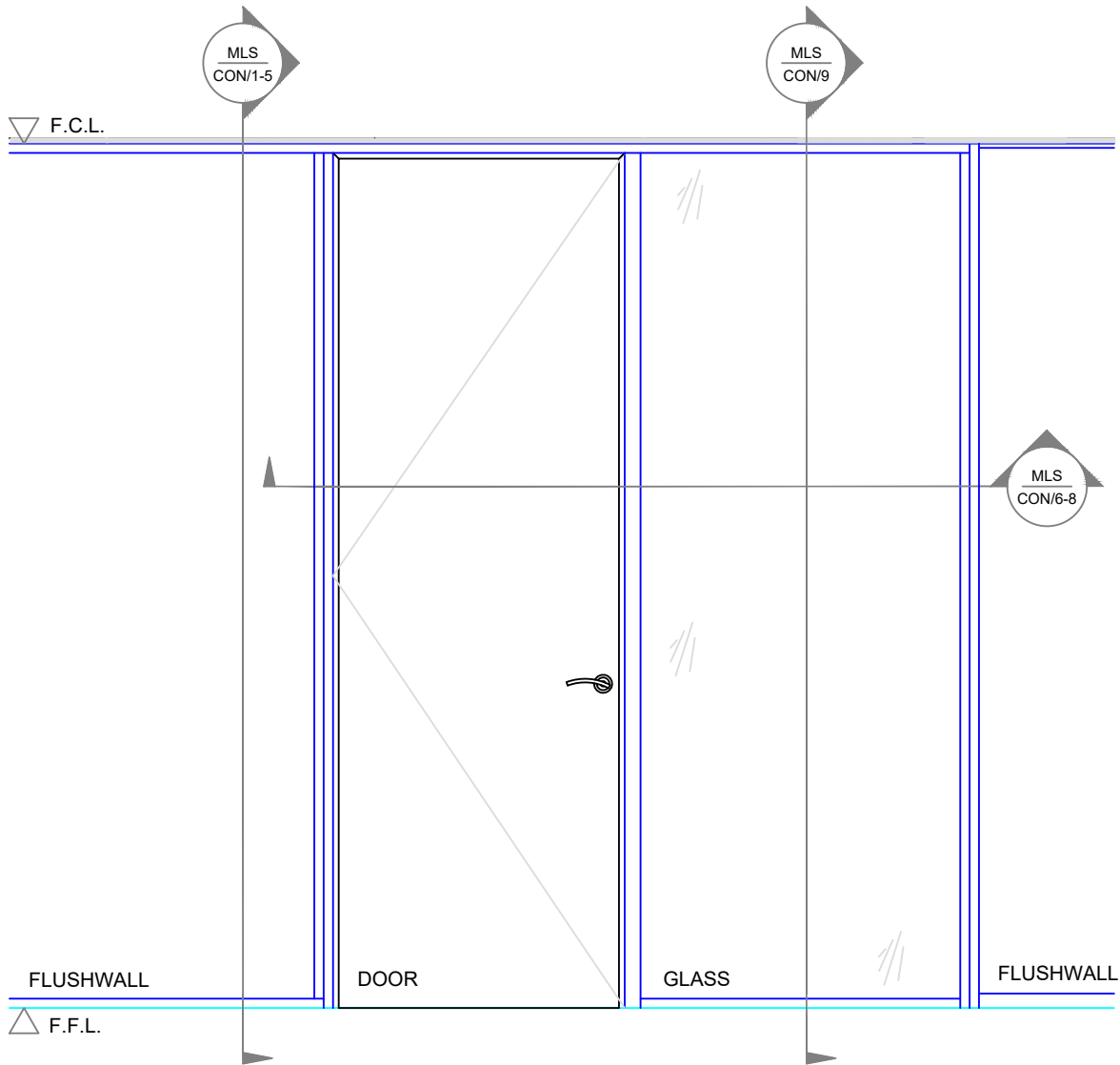


ASL 758
REBATED HEADSECTION (25mm NEG. DETAIL)

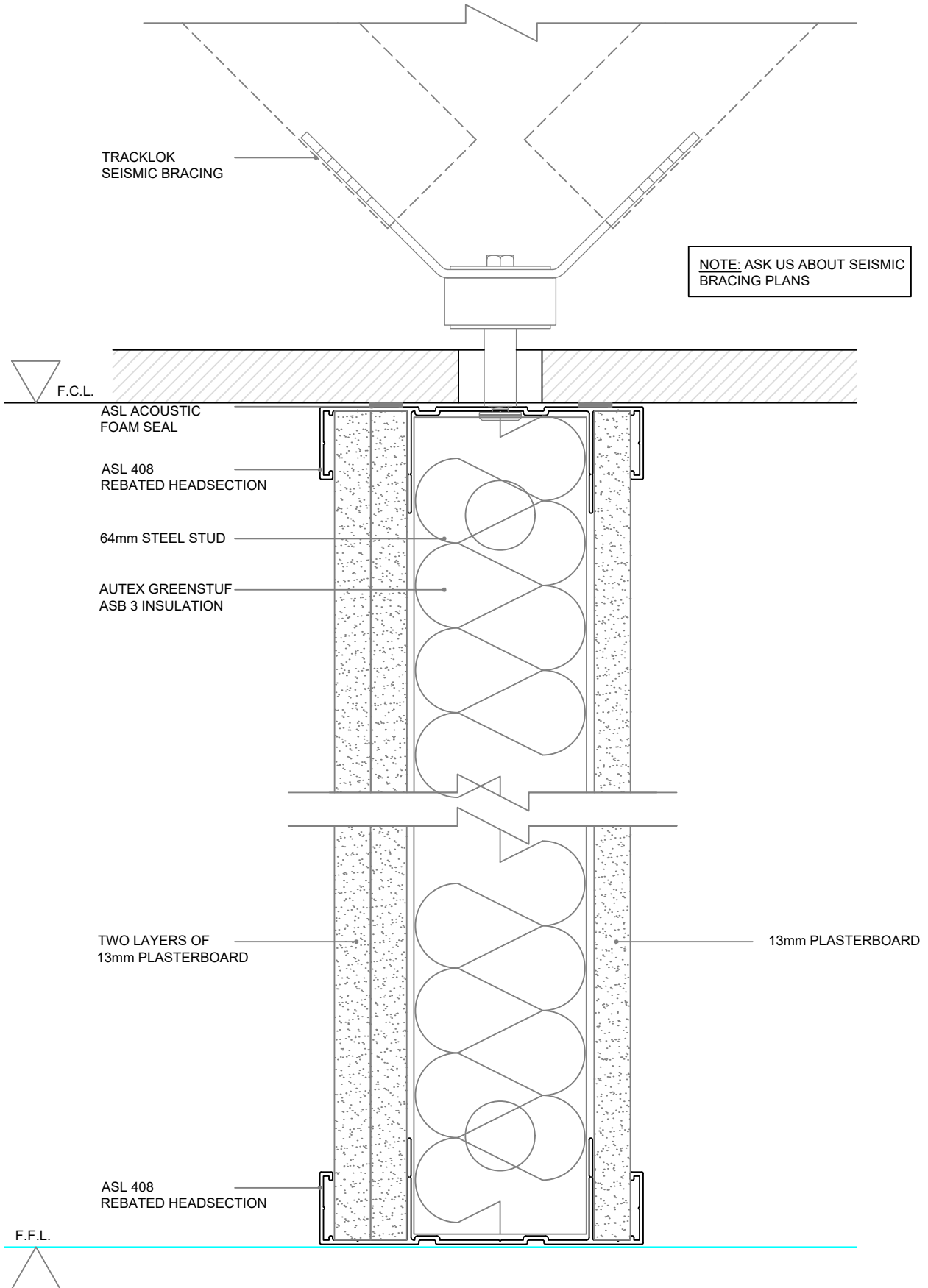


ASL 757
REBATED HEADSECTION (13mm NEG. DETAIL)

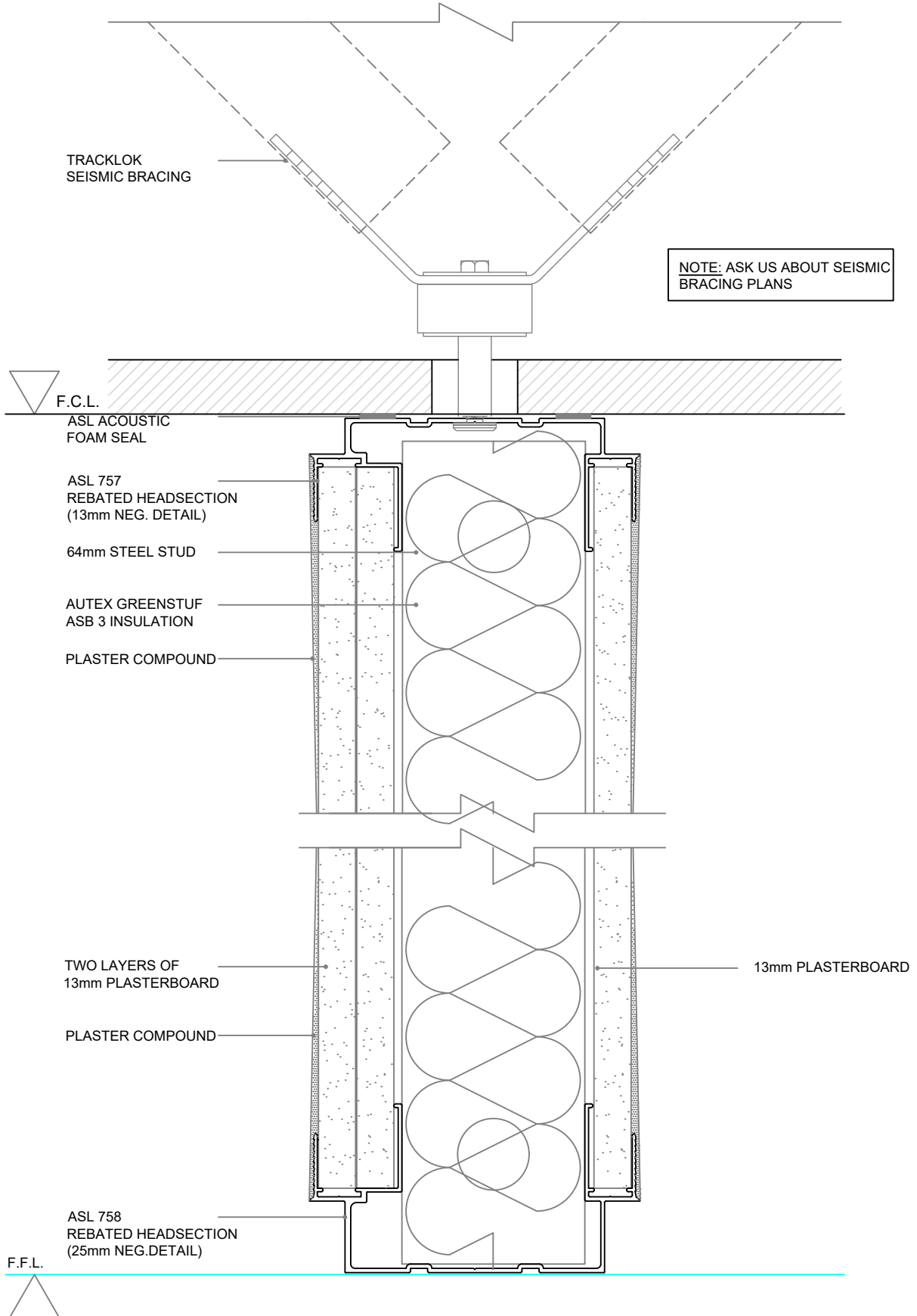
Standard Elevation



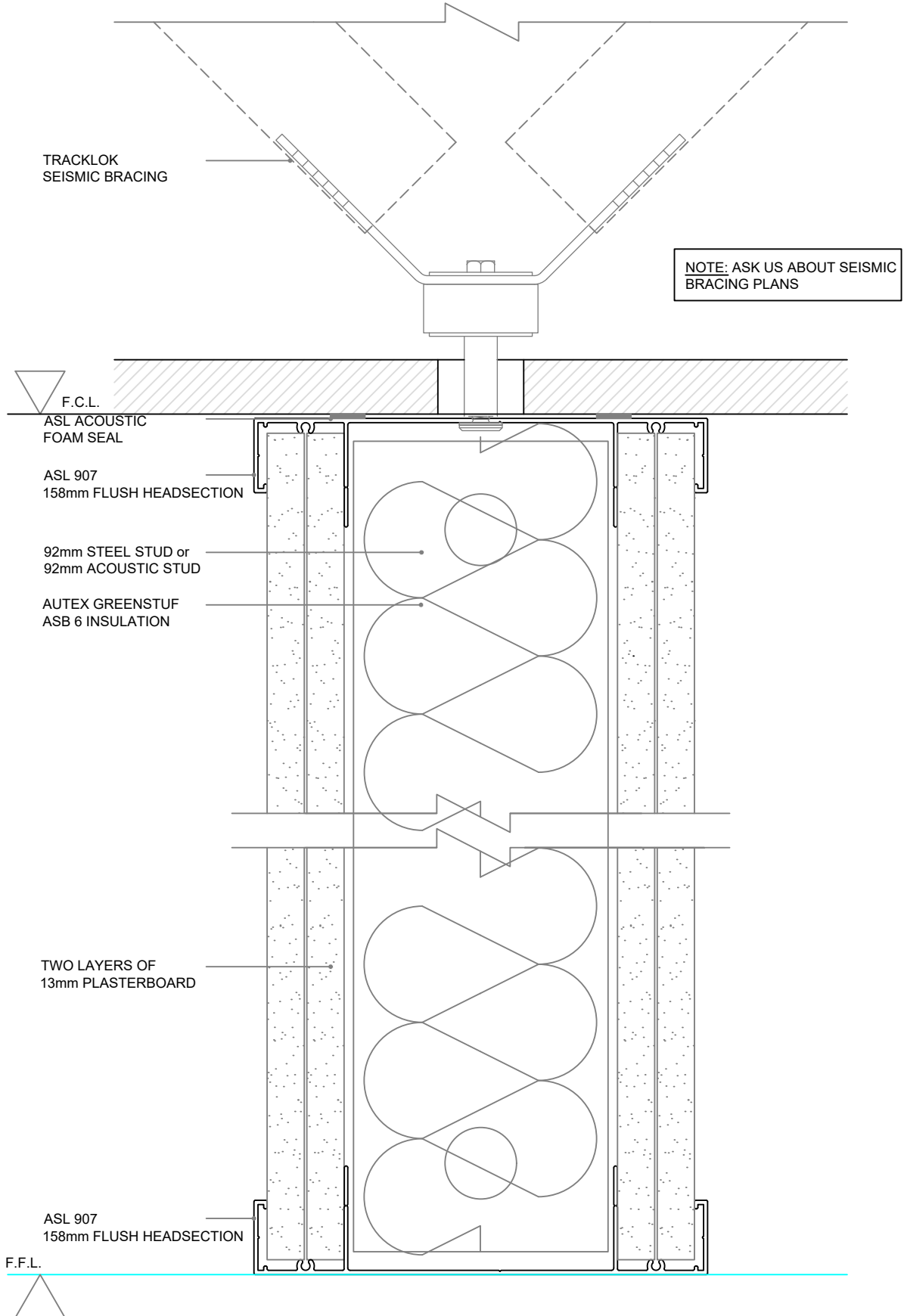
Standard Details - Suitable for: 64mm Steel Stud, Three Layers 13mm Plasterboard



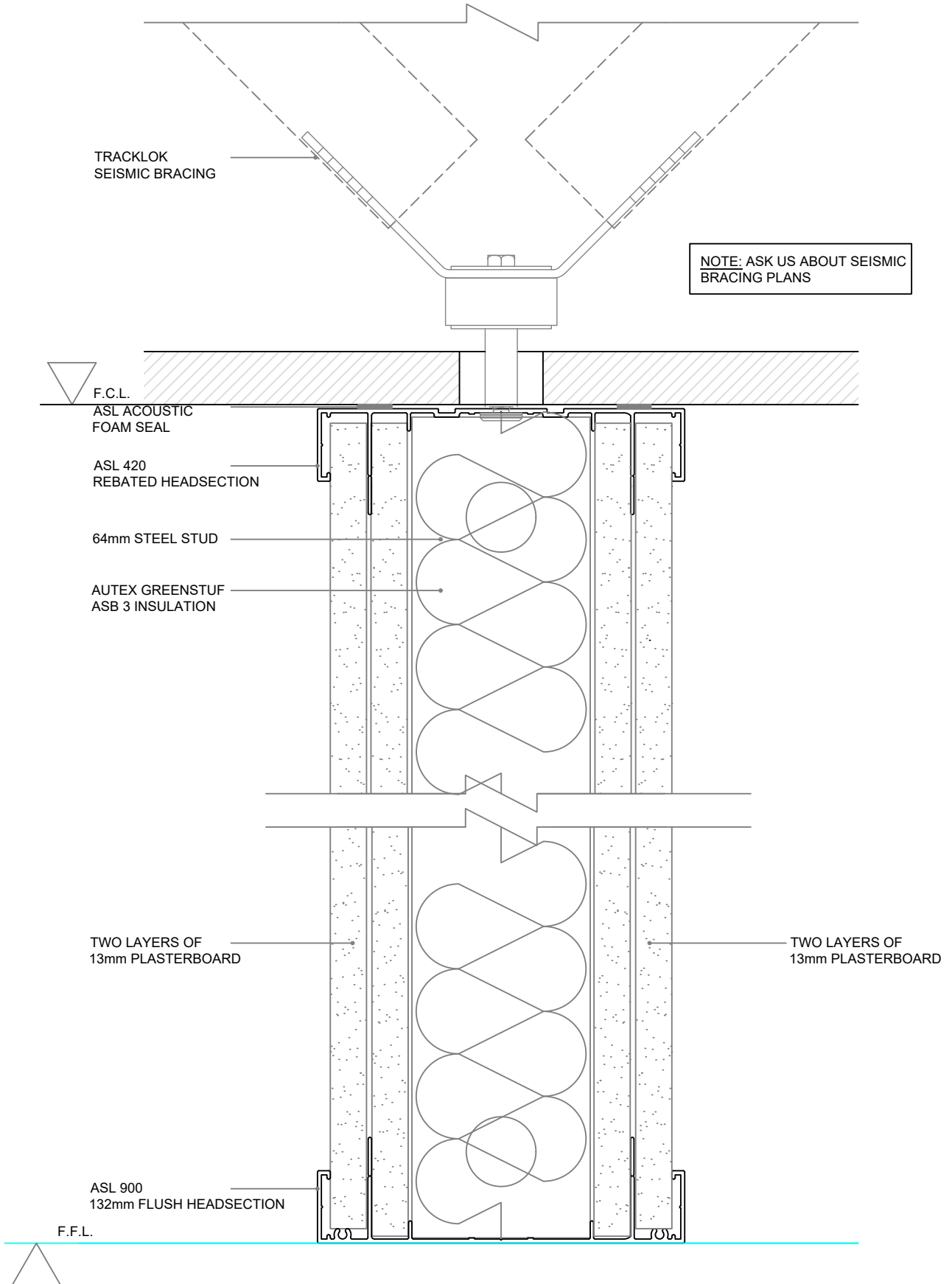
Negative Detail - Suitable for: 64mm Steel Stud, Three Layers 13mm Plasterboard



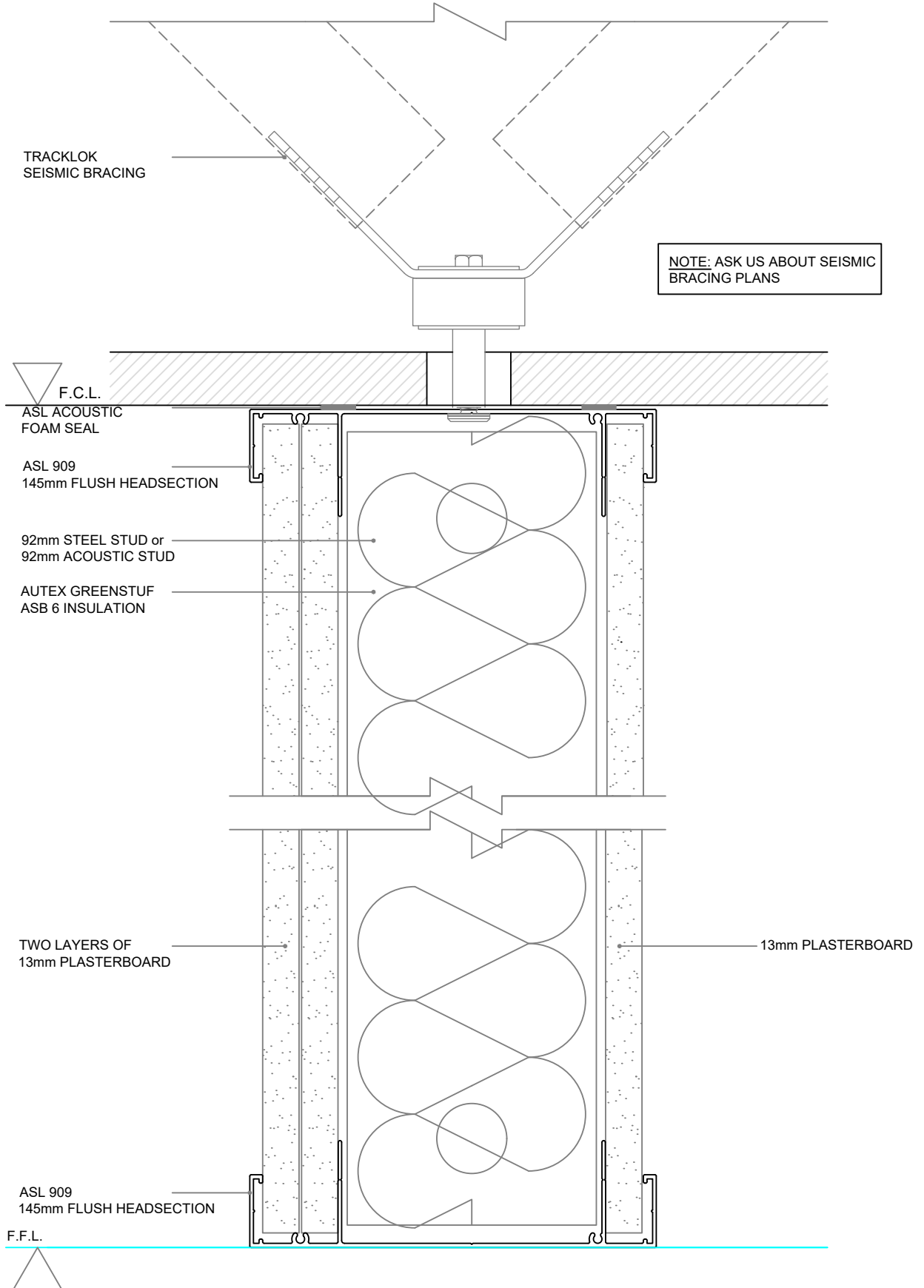
Standard Details - 92mm Steel Stud, Four Layers 13mm Plasterboard



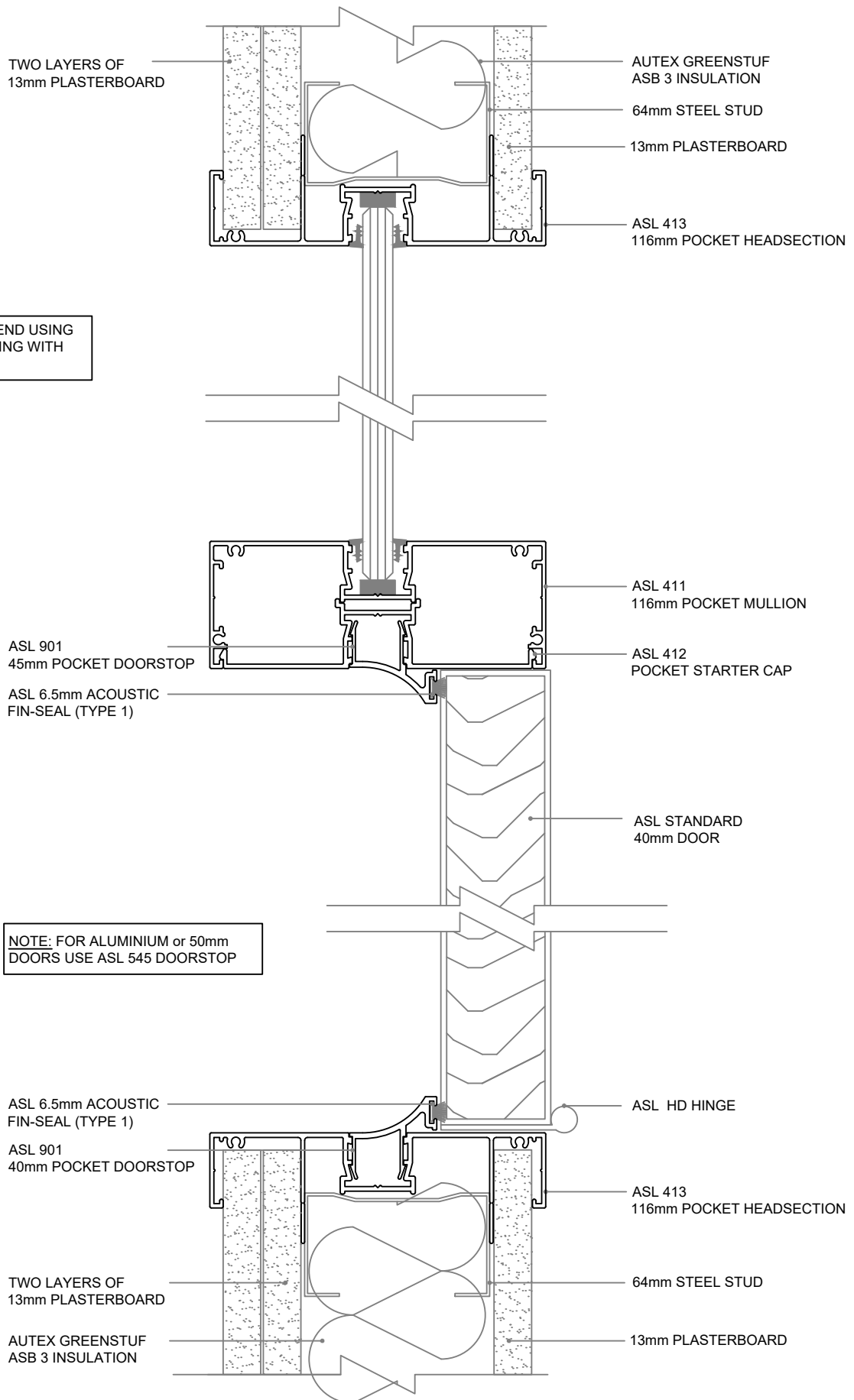
Standard Details - 64mm Steel Stud, Four Layers 13mm Plasterboard



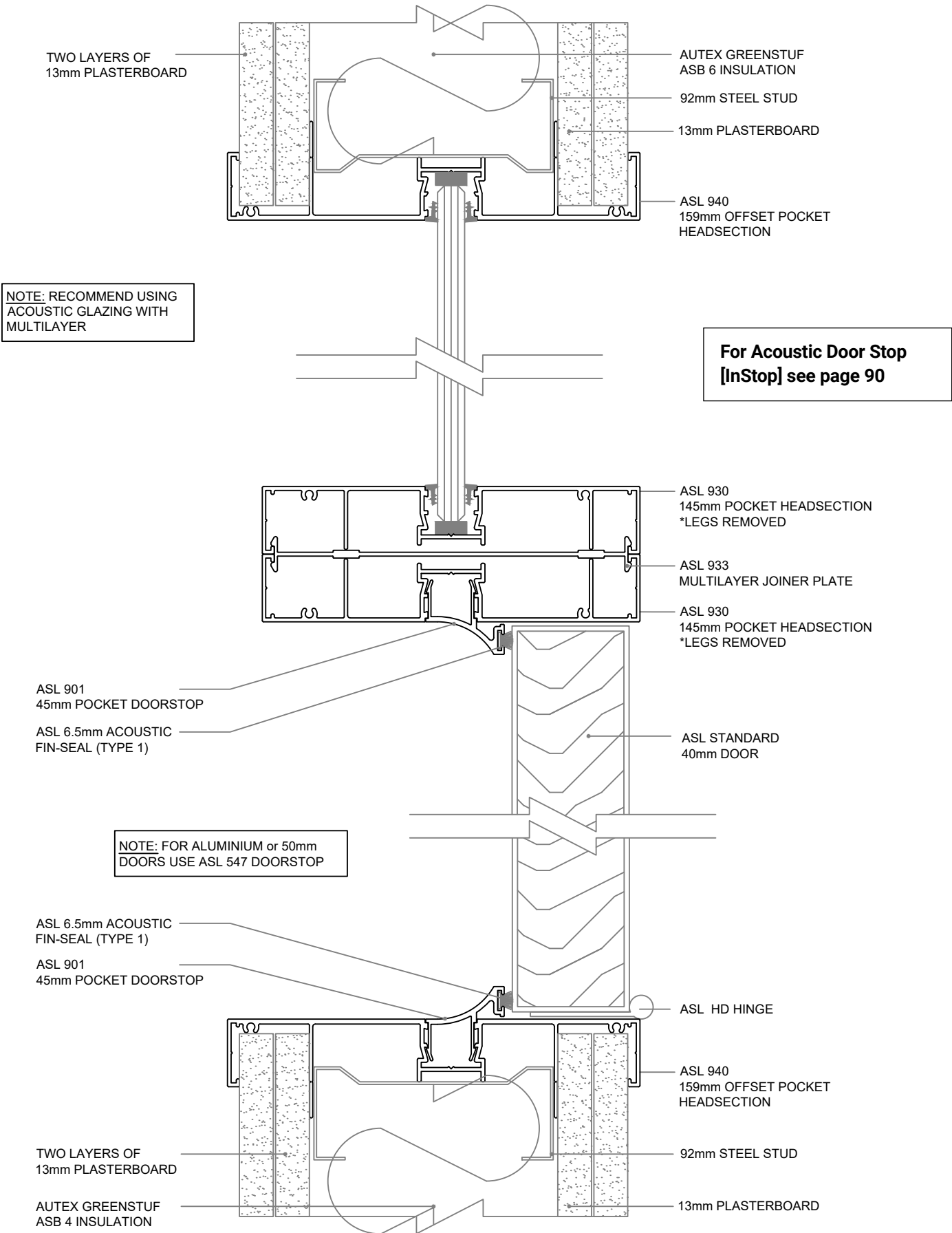
Standard Details - 92mm Steel Stud, Three Layers 13mm Plasterboard



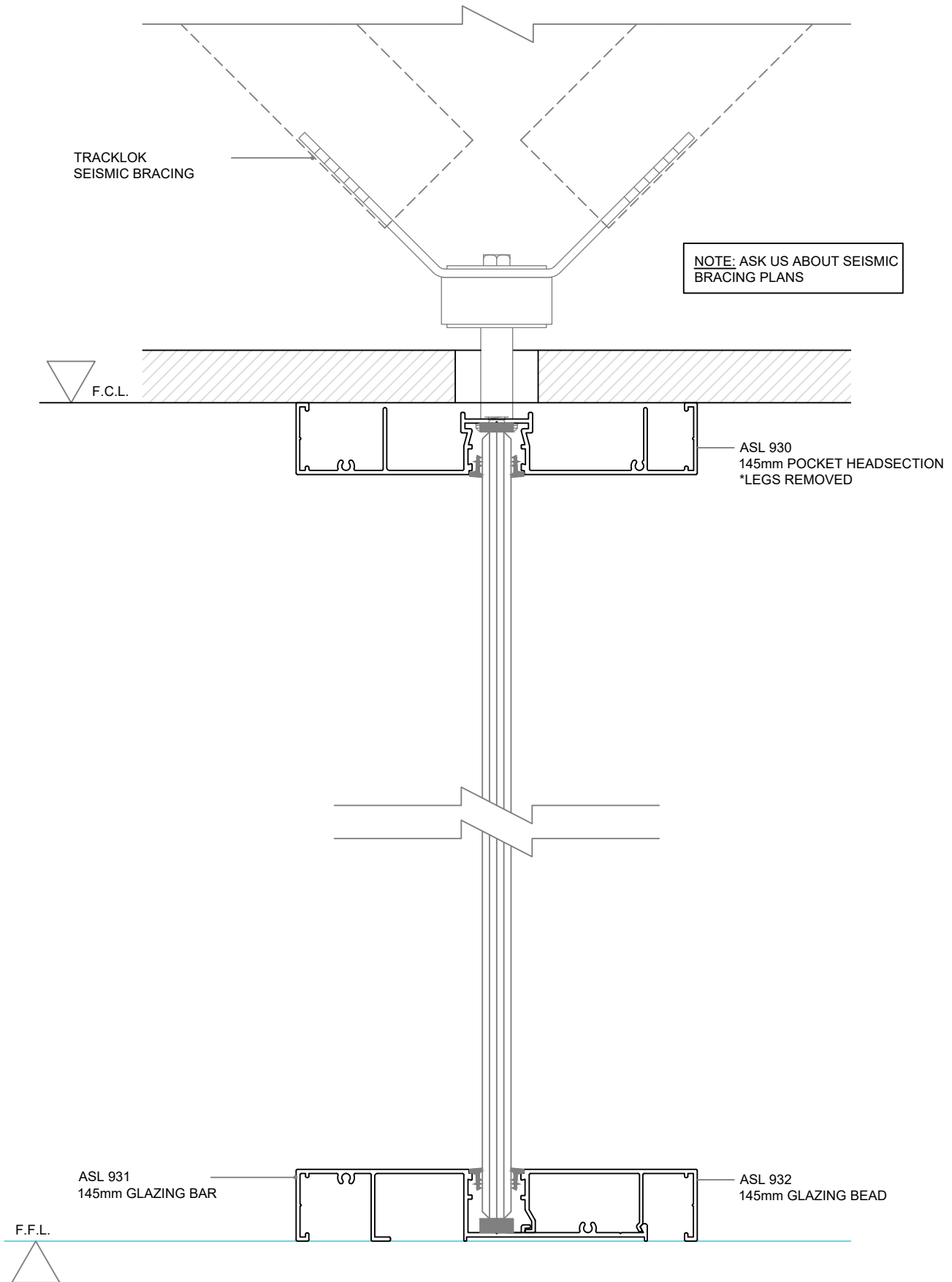
Standard Details - 64mm Steel Stud, Three Layers 13mm Plasterboard, Glazed Panel



Standard Details - 92mm Steel Stud, Three Layers 13mm Plasterboard, Glazed Panel



Standard Details - Glazing



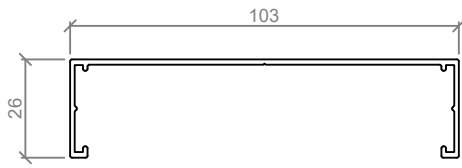
Acoustic

The Acoustic series accommodates two panels of glazing, with an air gap in between to achieve exceptional acoustic results within the same overall base profile width as our 64 & 92 Series. The Acoustic series is fully compatible with both of these ranges, so can be selected for a few key walls of your fitout where minimizing sound transfer is critical, such as for a meeting or interview room.

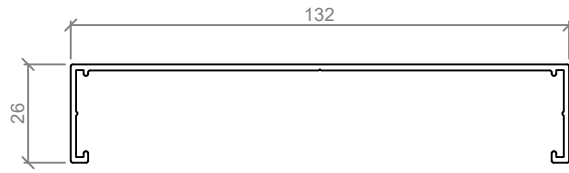
- Suited to both 64mm and 92mm stud walls
- Integrates with both 64 Series and 92 Series
- Air gap between glazing panels for optimal acoustic results
- Built in screw ports and staking bracket locators
- Easily accommodates 12.38mm Laminated glass

Standard Suite Profiles - Suitable for: 64 & 92mm Steel Studs

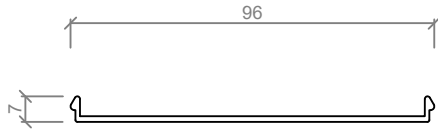
NOTE: SUITED TO 64mm & 92mm STEEL STUDS
TO BE USED IN CONJUNCTION WITH 64 & 92 SERIES



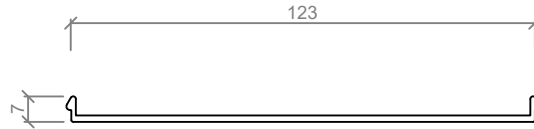
ASL 800
103mm CAPPING HEADSECTION



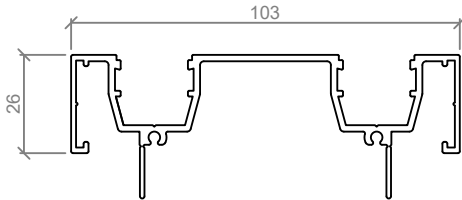
ASL 811
132mm CAPPING HEADSECTION



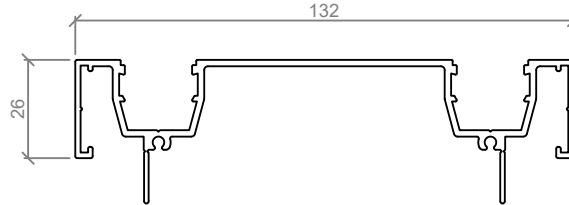
ASL 537
FLUSH STARTER CAP



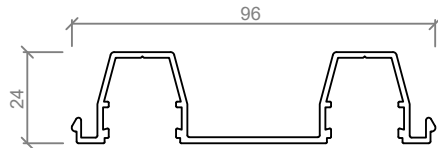
ASL 898
FLUSH STARTER CAP



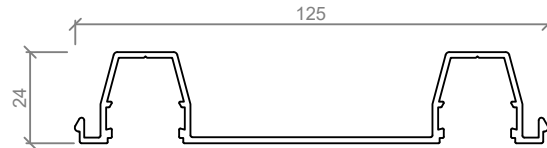
ASL 801
103mm TWIN GLAZED POCKET HEADSECTION



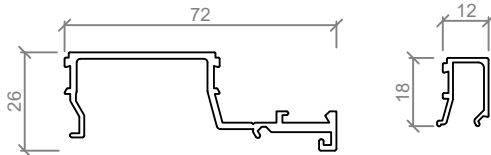
ASL 812
132mm TWIN GLAZED POCKET HEADSECTION



ASL 802
103mm TWIN GLAZED POCKET STARTER CAP

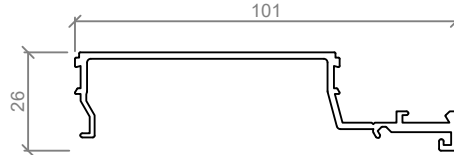


ASL 813
132mm TWIN GLAZED POCKET STARTER CAP

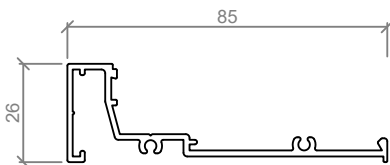


ASL 805
103mm TWIN GLAZED CENTRE BEAD

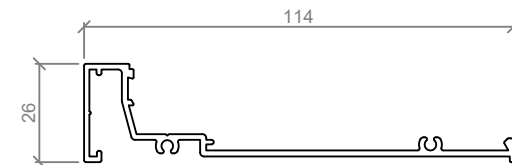
ASL 610
GLAZING BEAD



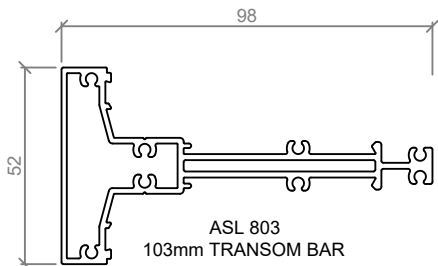
ASL 816
132mm TWIN GLAZED CENTRE BEAD



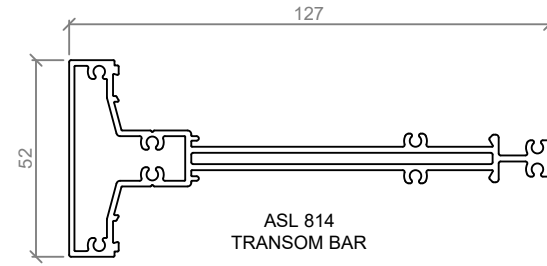
ASL 804
103mm OFFSET GLAZING BAR



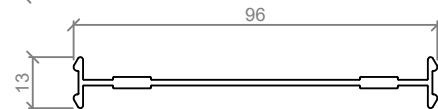
ASL 815
132mm OFFSET GLAZING BAR



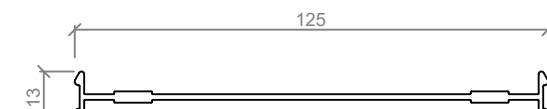
ASL 803
103mm TRANSOM BAR



ASL 814
TRANSOM BAR

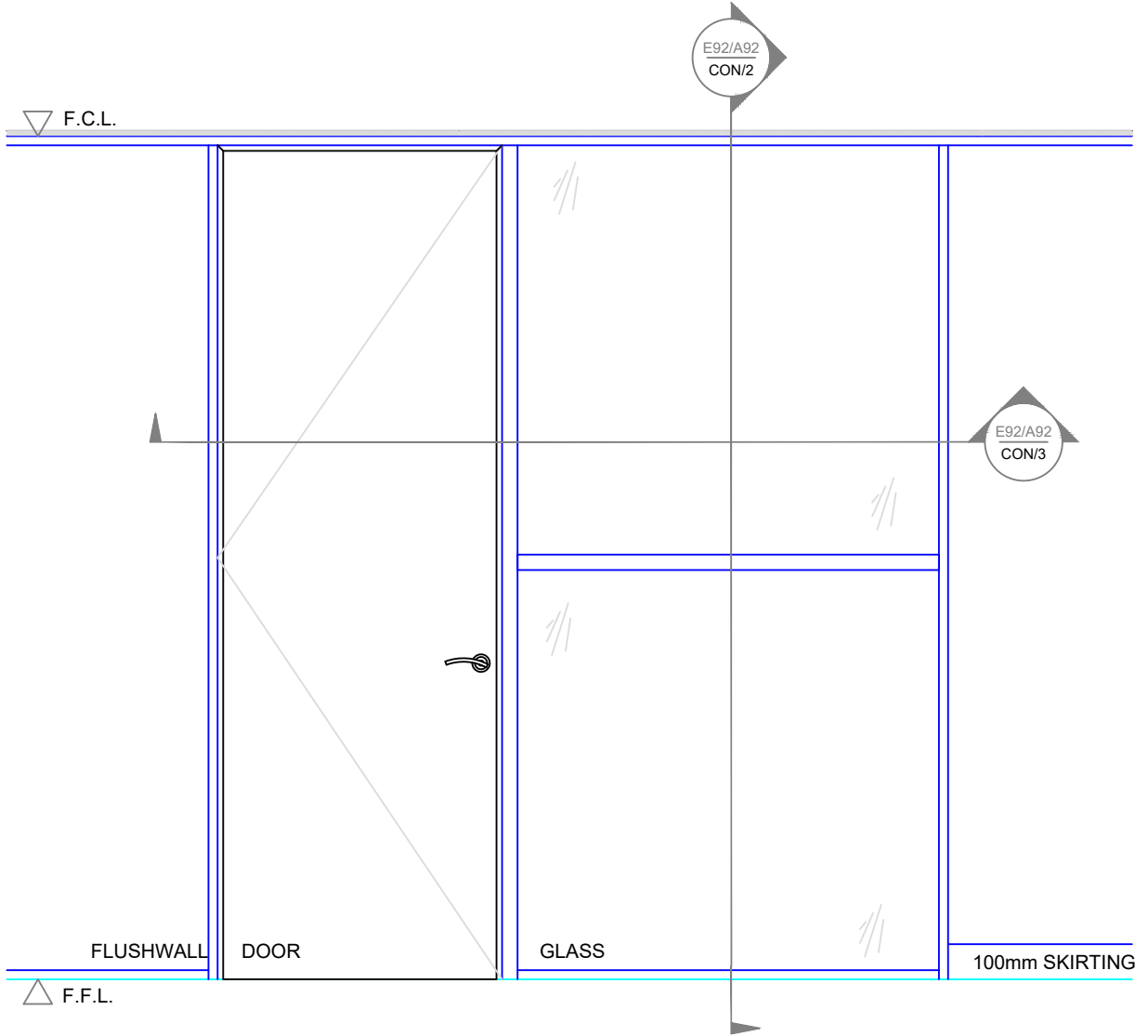


ASL 539
103mm JOINER PLATE

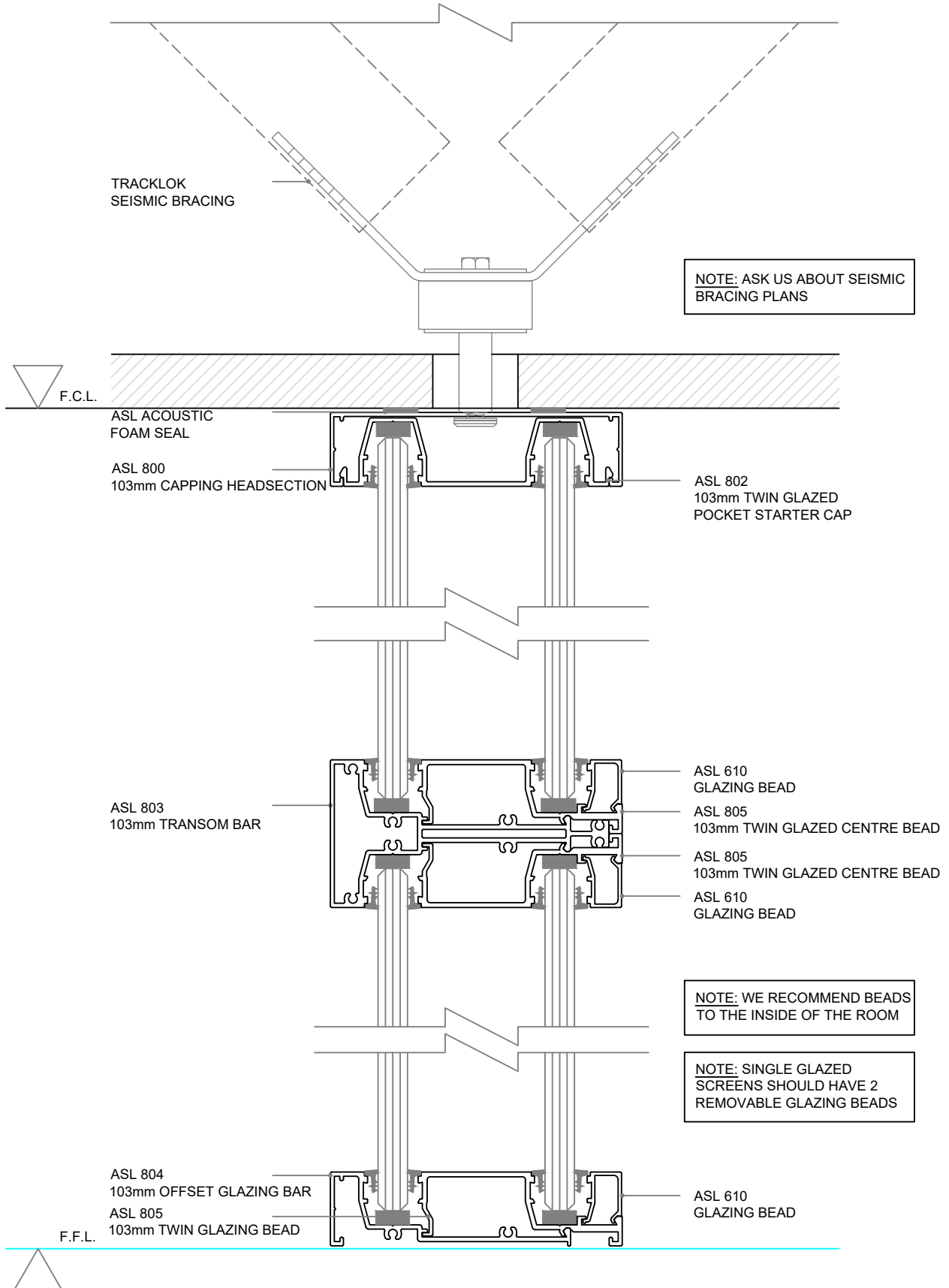


ASL 899
JOINER PLATE

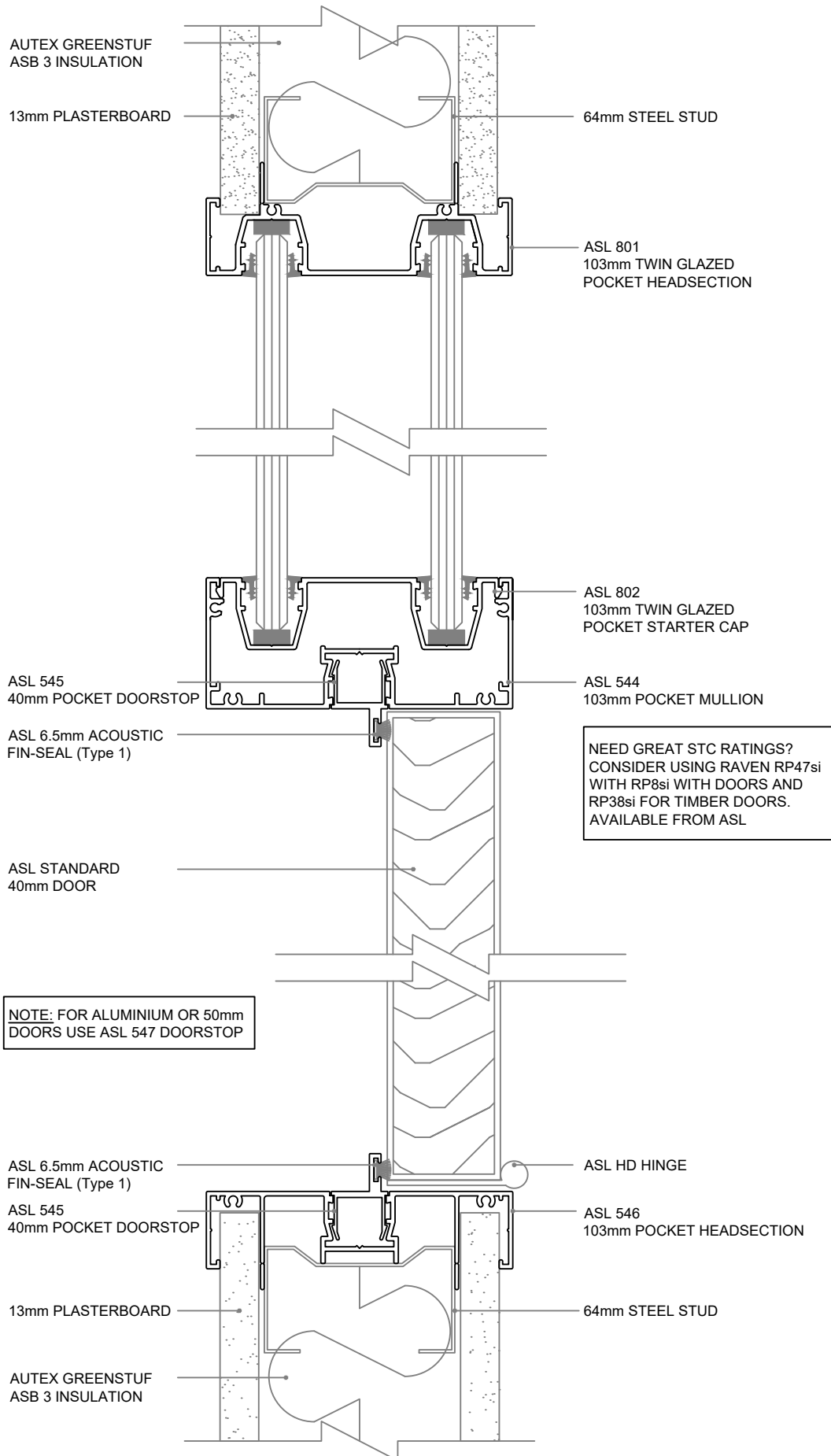
Standard Elevation



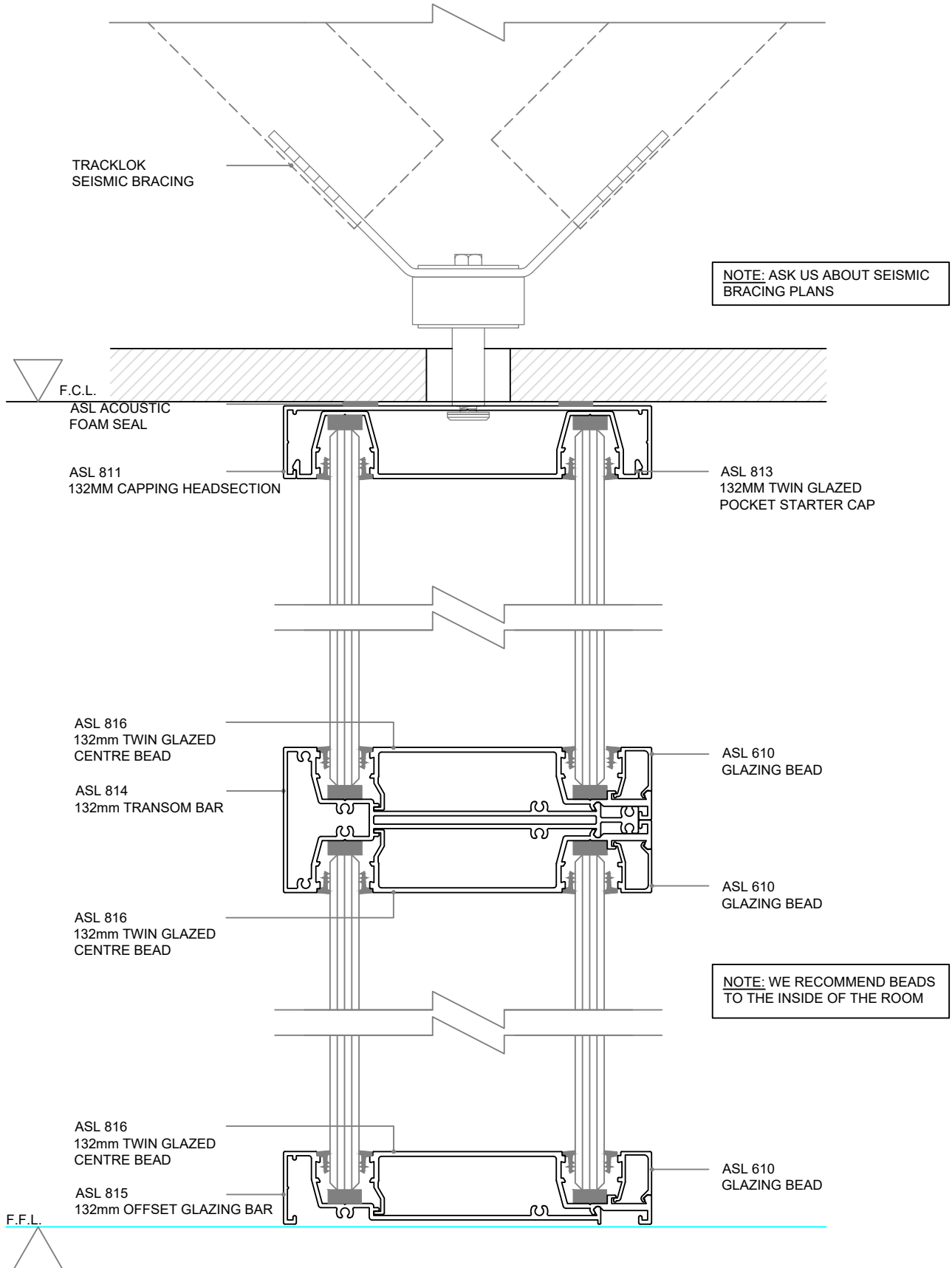
Standard Details - 64mm Profile, Full Height Glazing



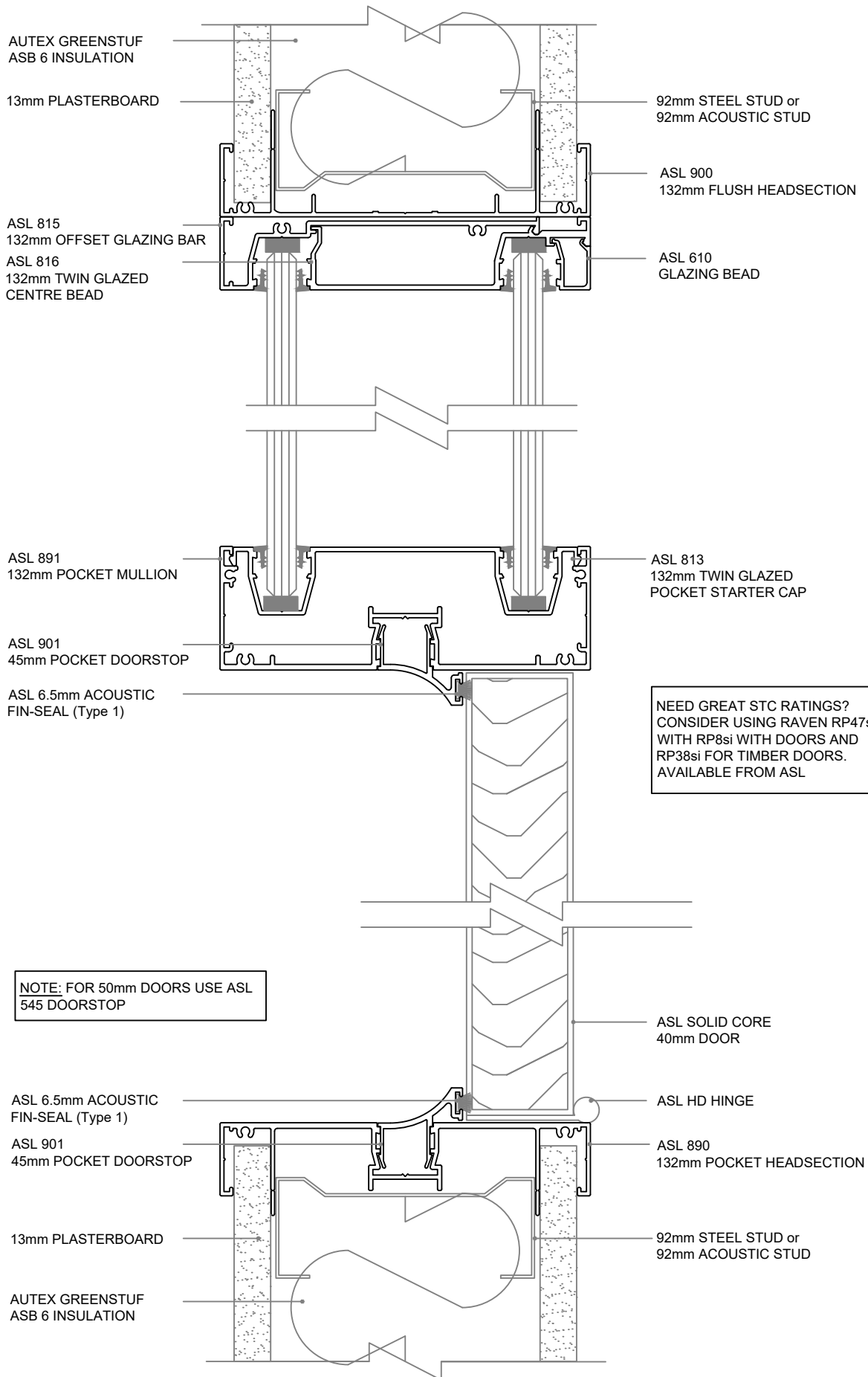
Standard Details - 64mm Steel Stud, Glazed Wall, Solid Door, 13mm Plasterboard



Standard Details - 92mm Profile, Full Height Glazing



Standard Details - 92mm Steel Stud, Glazed Wall, Solid Door, 13mm Plasterboard



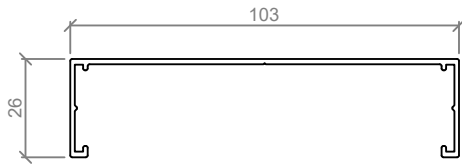
Edge

Edge has been designed to give an executive look and feel to any environment, with the offset glazing pocket on the edge of the profiles offering a unique look with exceptional style. Widely used in commercial office fitouts up and down the country.

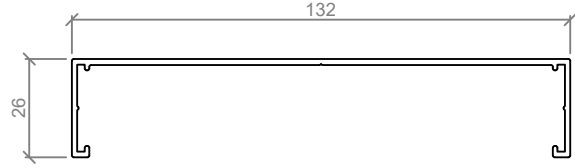
- Suited to both 64mm and 92mm stud walls
- Integrates with both 64 Series and 92 Series
- Edge glazed setting
- Built in screw ports and staking bracket locators
- Easily accommodates 12.38 Laminated glass

Standard Suite Profiles - Suitable for: 64mm & 92mm Steel Studs

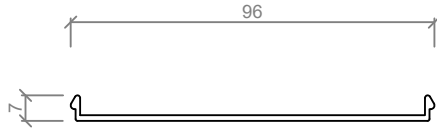
NOTE: SUITED TO 64mm & 92mm STEEL STUDS
TO BE USED IN CONJUNCTION WITH 64 & 92 SERIES



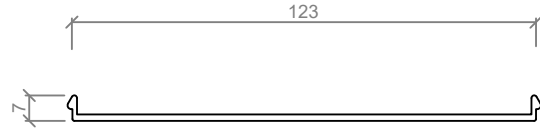
ASL 800
103mm CAPPING HEADSECTION



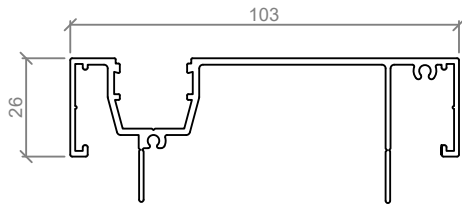
ASL 811
132mm CAPPING HEADSECTION



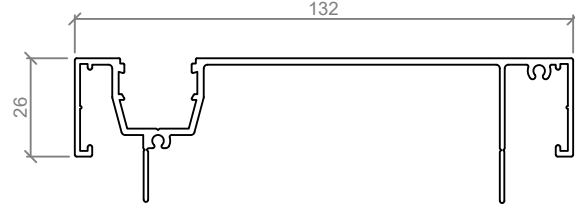
ASL 537
FLUSH STARTER CAP



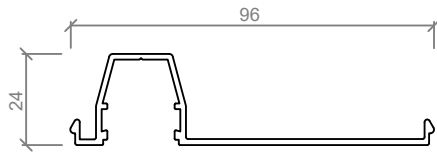
ASL 898
FLUSH STARTER CAP



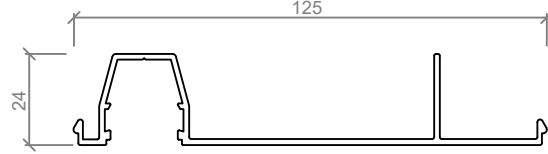
ASL 807
103mm FRONT GLAZED POCKET HEADSECTION



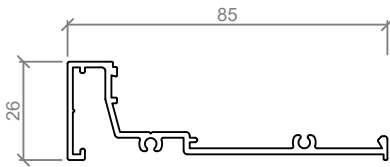
ASL 818
132mm FRONT GLAZED POCKET HEADSECTION



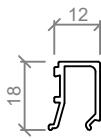
ASL 808
103mm FRONT GLAZED POCKET STARTER CAP



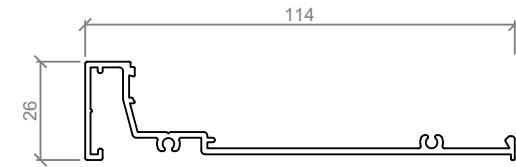
ASL 819
132mm FRONT GLAZED POCKET STARTER CAP



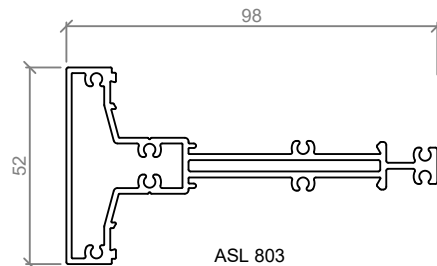
ASL 804
103mm OFFSET GLAZING BAR



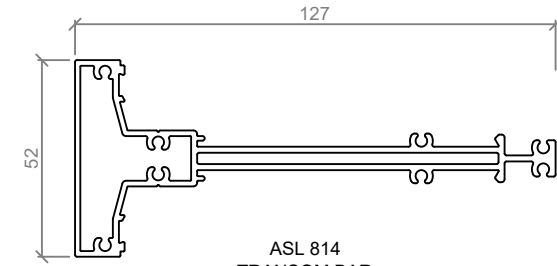
ASL 610
GLAZING BEAD



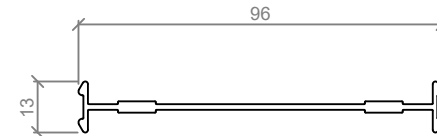
ASL 815
132mm OFFSET GLAZING BAR



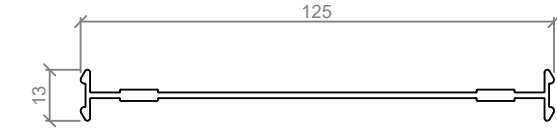
ASL 803
103mm TRANSOM BAR



ASL 814
TRANSOM BAR

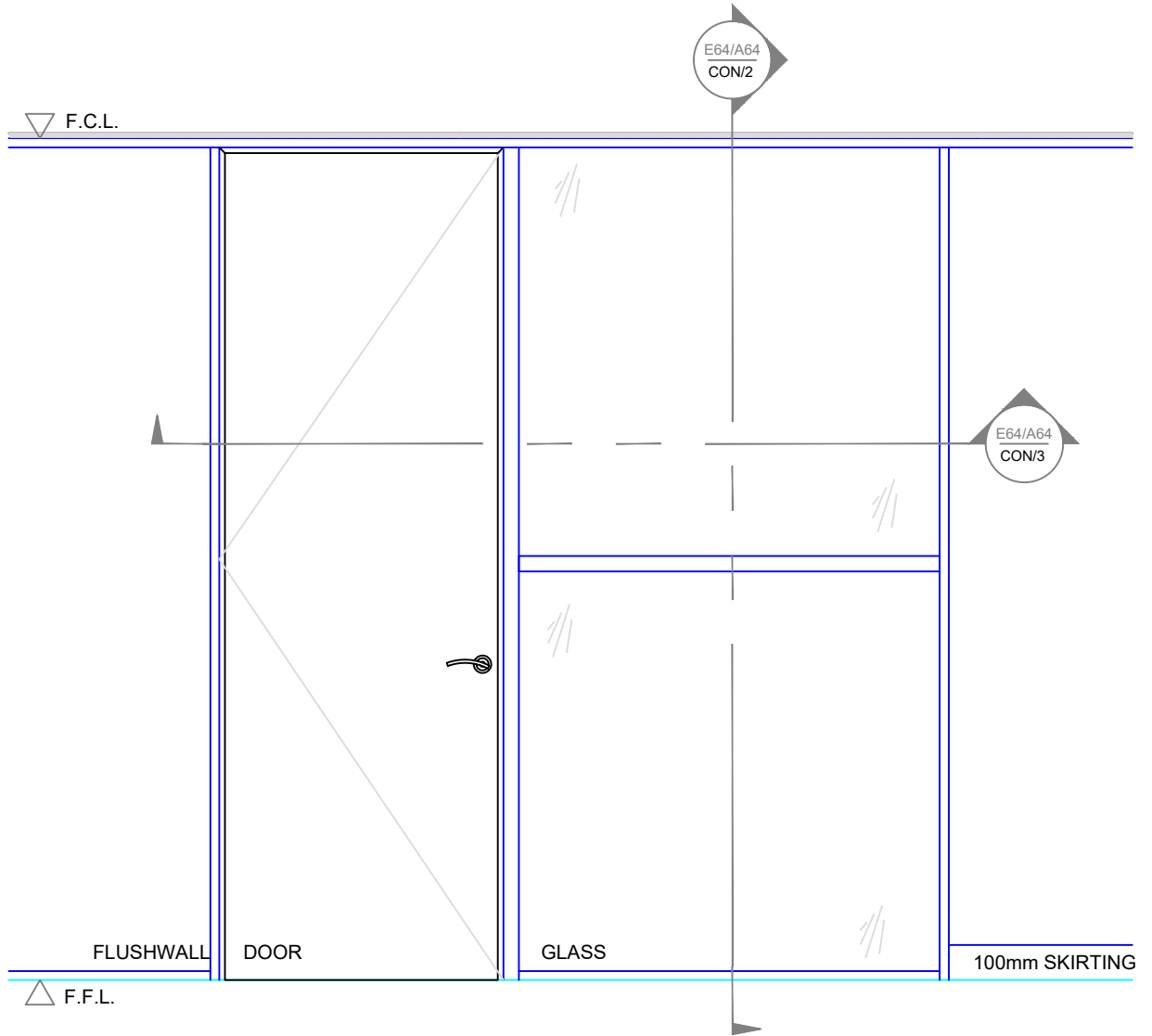


ASL 539
103mm JOINER PLATE

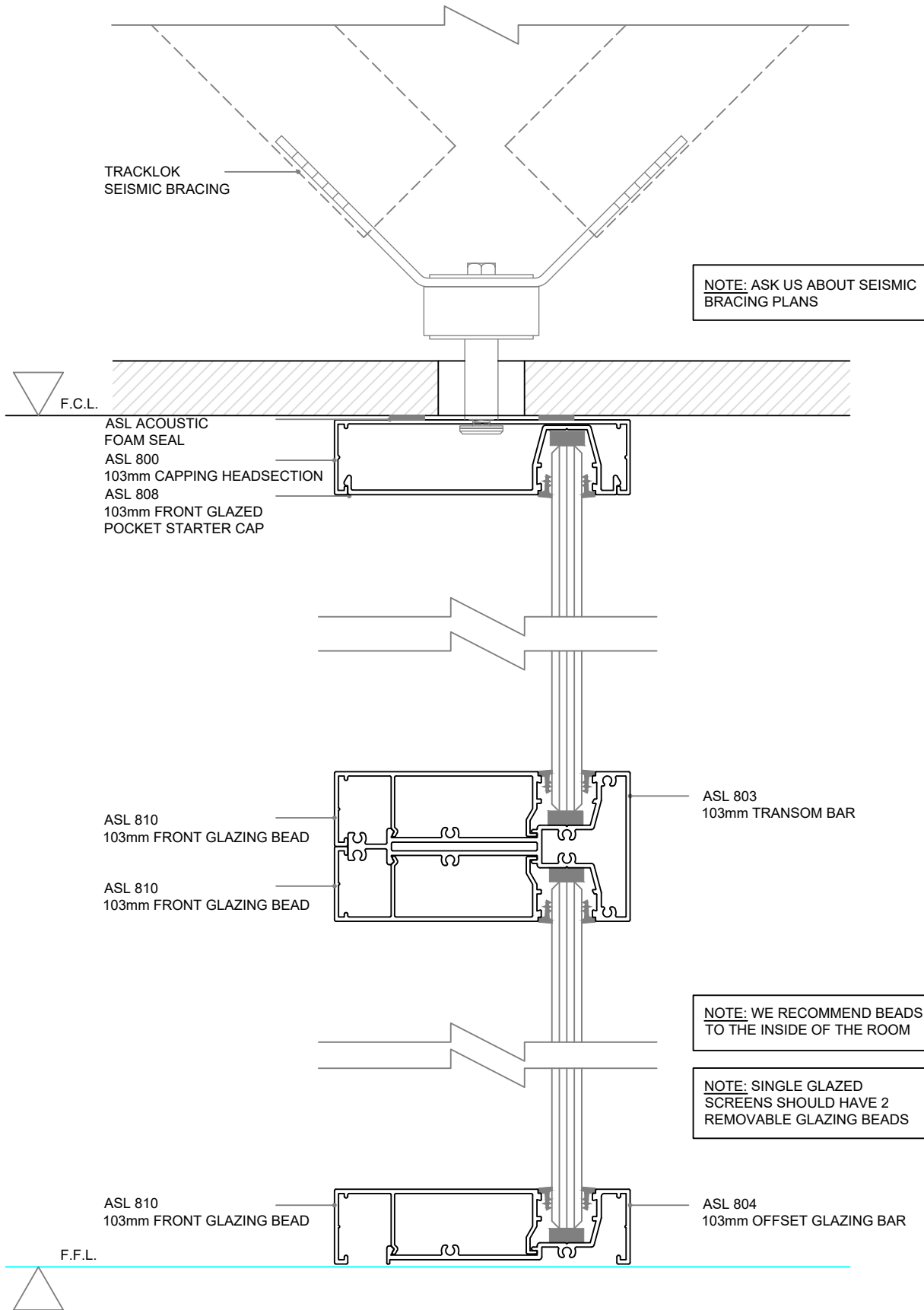


ASL 899
JOINER PLATE

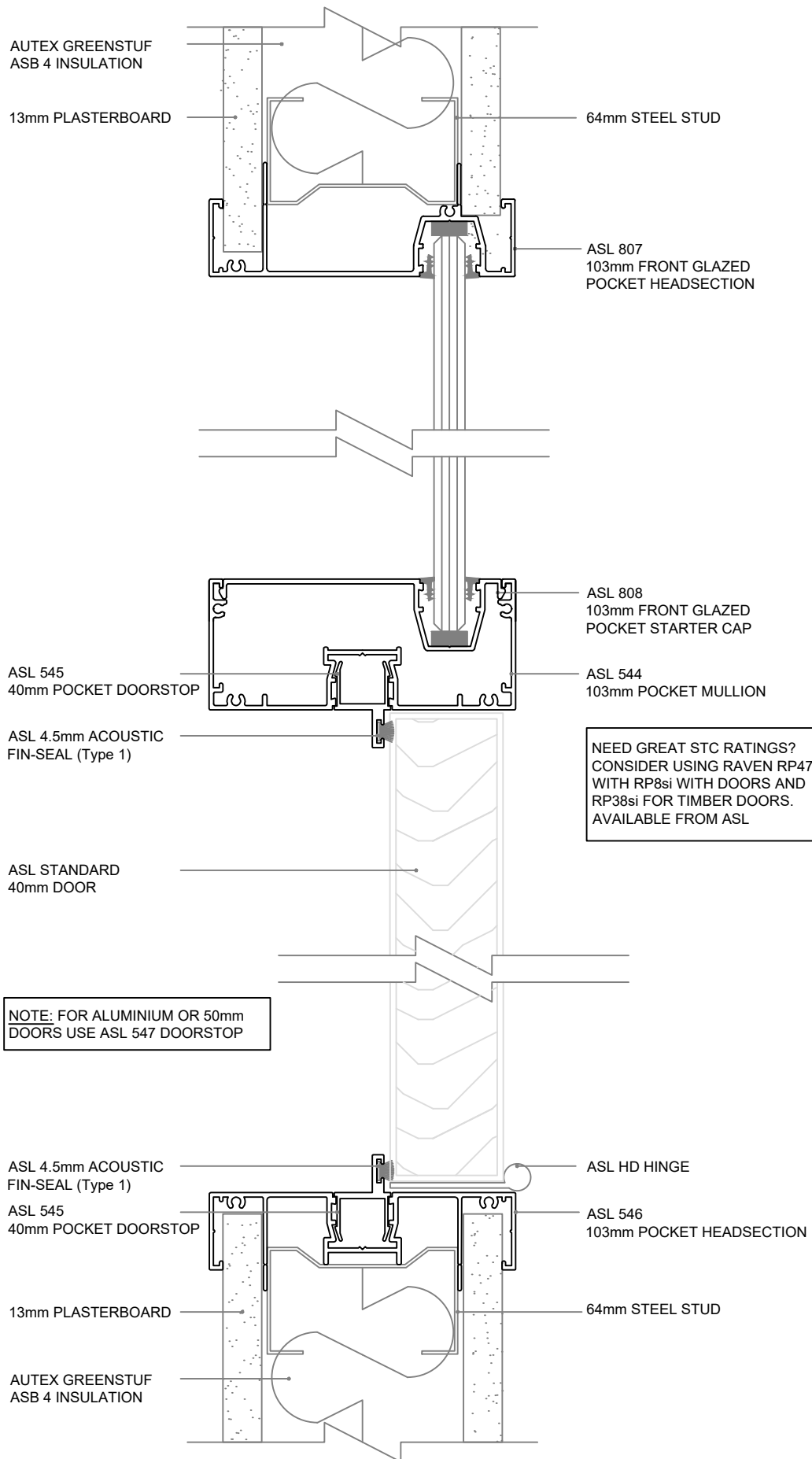
Standard Elevation



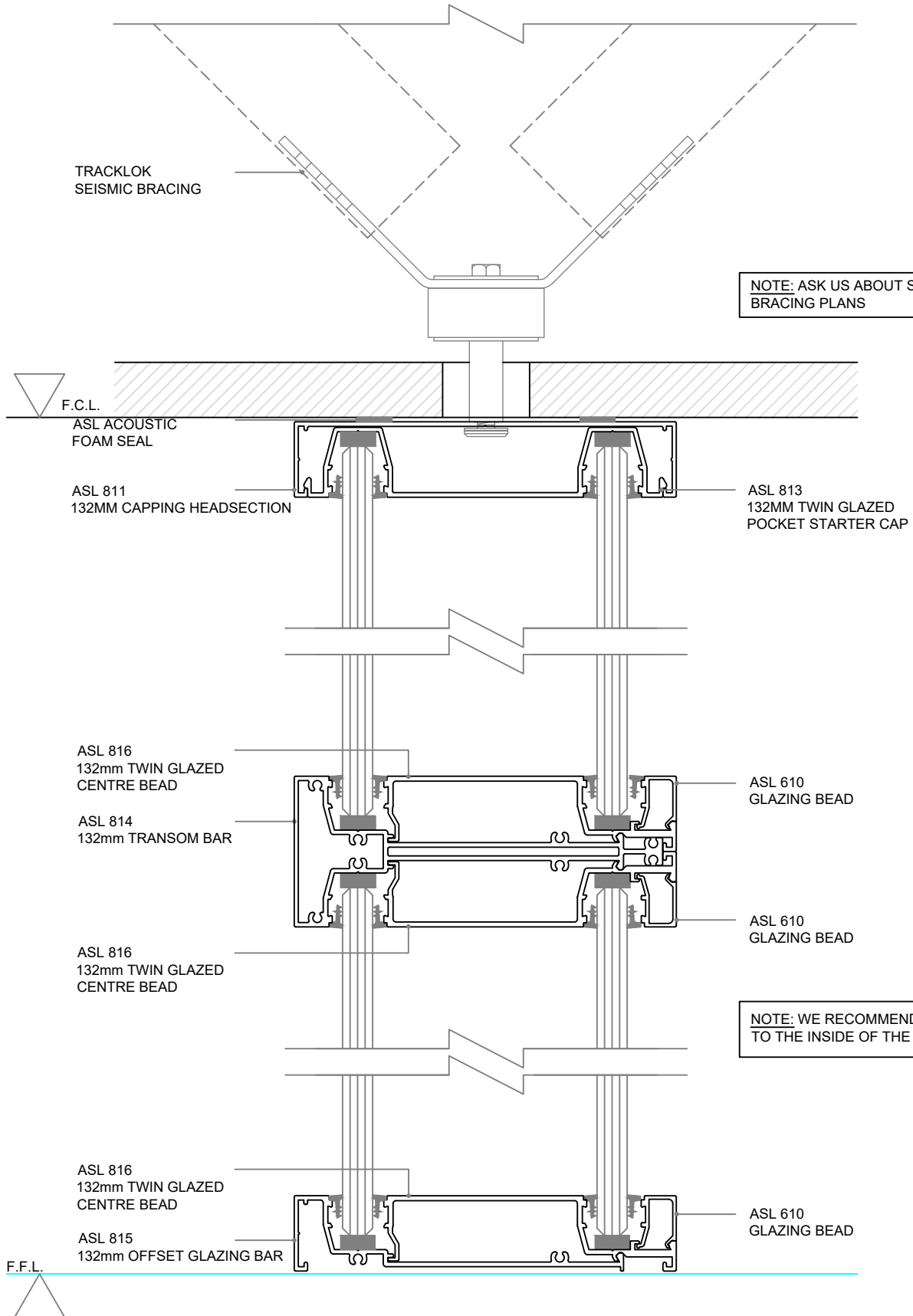
Standard Details - Front Glazed - 64mm Profile, Full Height Glazing



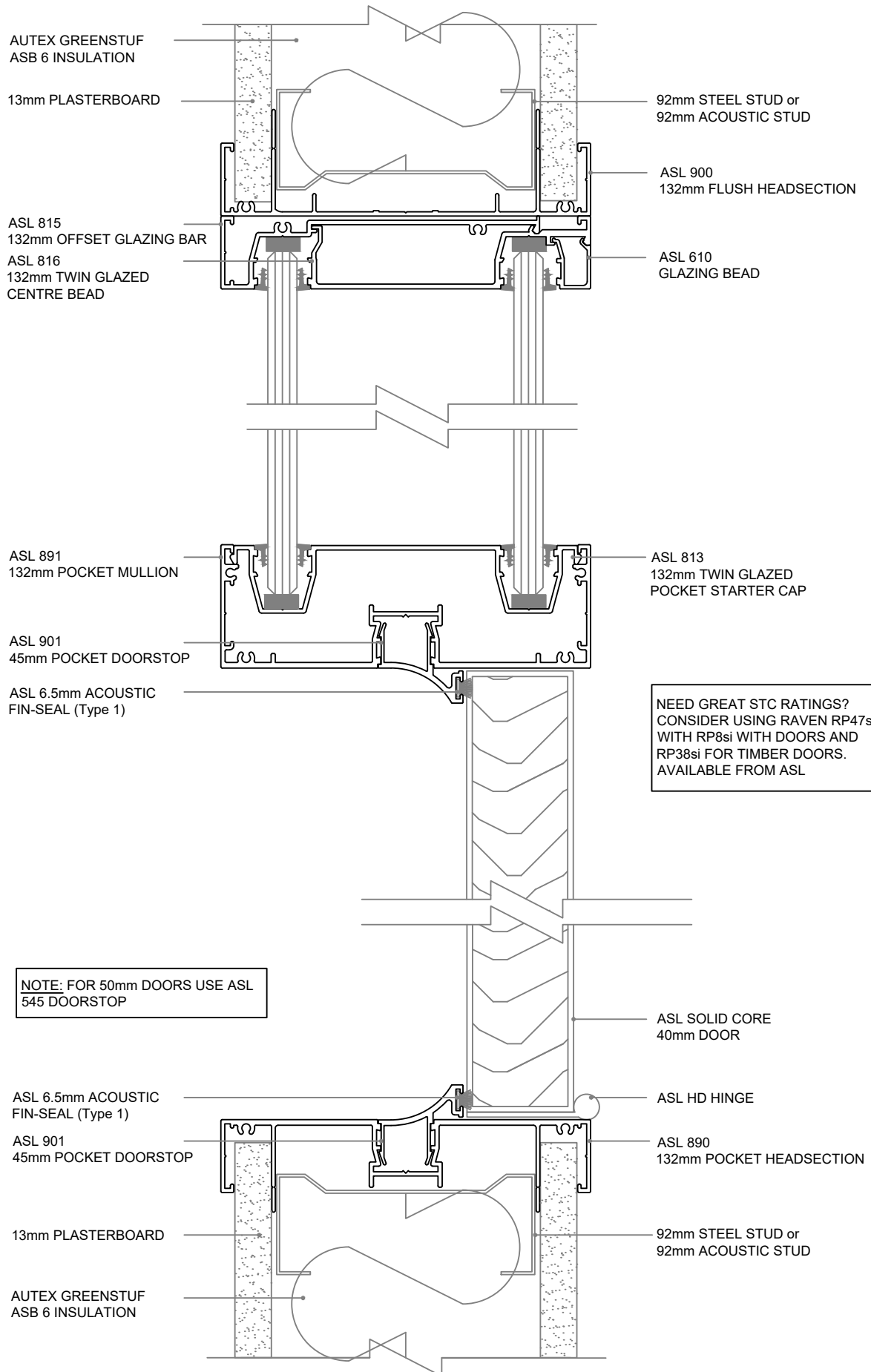
Standard Details - Front Glazed - 64mm Steel Stud, Glazed Wall, Solid Door, 13mm Plasterboard



Standard Details - Front Glazed - 92mm Profile, Full Height Glazing



Standard Details - Front Glazed - 92mm Steel Stud, Glazed Wall, Solid Door, 13mm Plasterboard

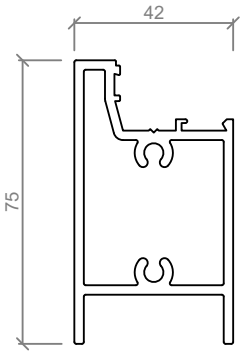


Doors

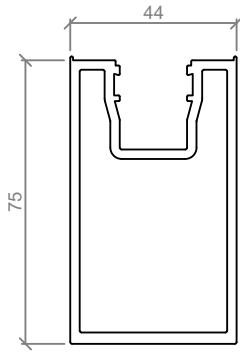
ASL's Door series has been designed to suit a wide range of operations including hinged, top hung and bottom sliding. With a range of hardware components also available, our door components can also be used to create bi-folds and pivot doors. Designed to give sharp, clean architectural lines these doors have been widely used in banks, apartments, schools and government spaces. Be sure to check out of "Door Assembly Guide" later in this guide which has been put together to ensure these doors are correctly assembled on site by our customers.

- Stile widths available include 45mm, 75mm, 100mm & 125mm
- Rails and Transoms include 45mm, 75mm, 100mm & 150mm
- Easily accommodates 12.38 Laminated glass
- Top Hung and Bottom sliding rails available
- Variety of seals available to ensure great acoustic performance

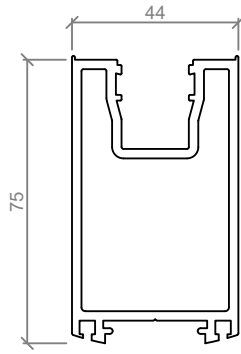
Standard Suite Profiles - Suits all ASL Systems



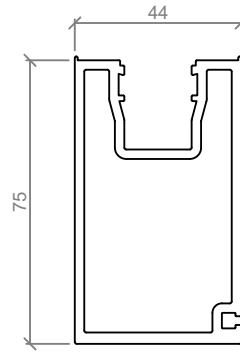
ASL 605
75mm TOP & BOTTOM RAIL



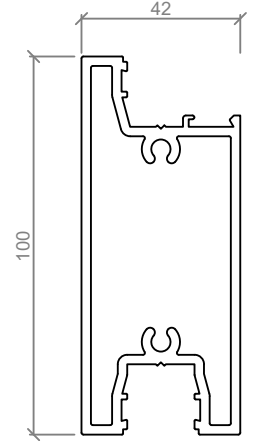
ASL 615
75mm HINGE STILE



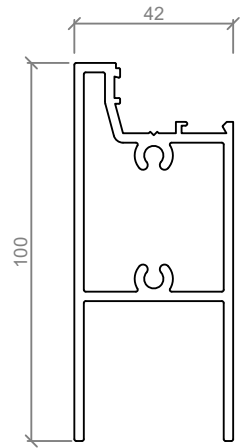
ASL 620
75mm LOCKSET STILE



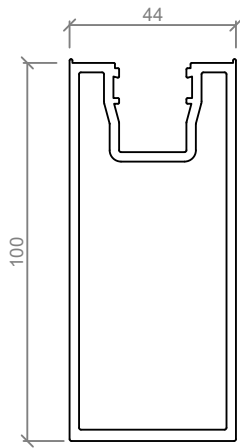
ASL 625
75mm CLOSING STILE



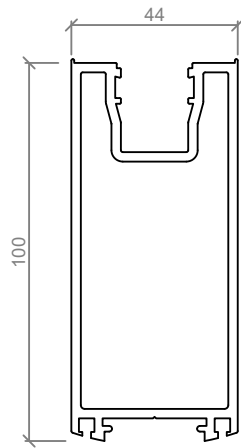
ASL 670
100mm TRANSOM



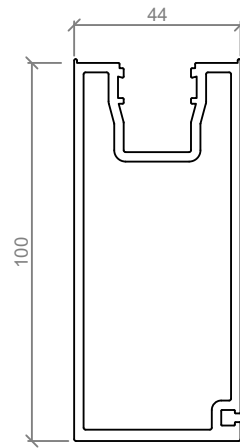
ASL 645
100mm TOP & BOTTOM RAIL



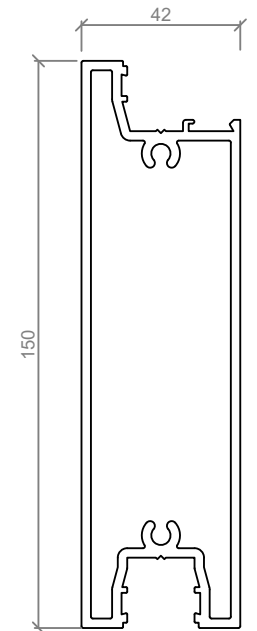
ASL 655
100mm HINGE STILE



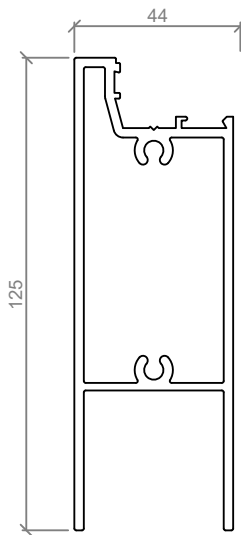
ASL 660
100mm LOCKSET STILE



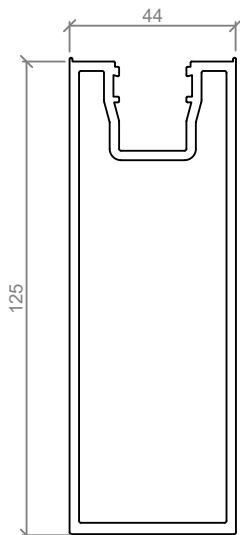
ASL 665
100mm CLOSING STILE



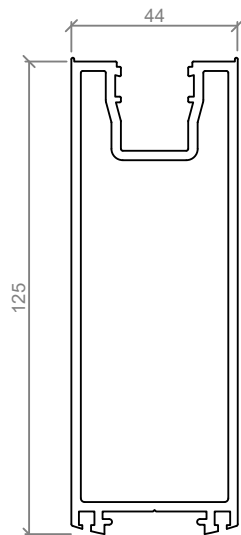
ASL 776
150mm TRANSOM &
BOTTOM RAIL



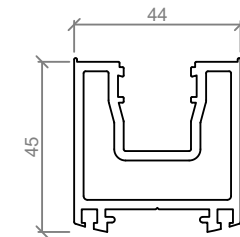
ASL 452
125mm TOP & BOTTOM RAIL



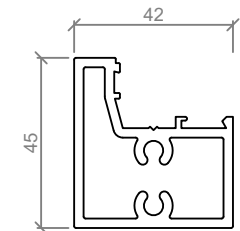
ASL 673
125mm HINGE STILE



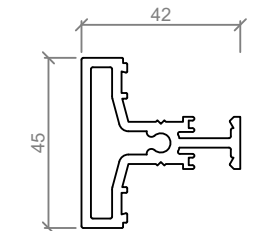
ASL 672
125mm LOCKSET STILE



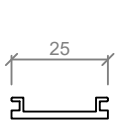
ASL 450
45mm LOCKSET STILE



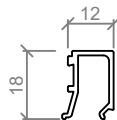
ASL 451
45mm TOP & BOTTOM RAIL



ASL 453
45mm TRANSOM

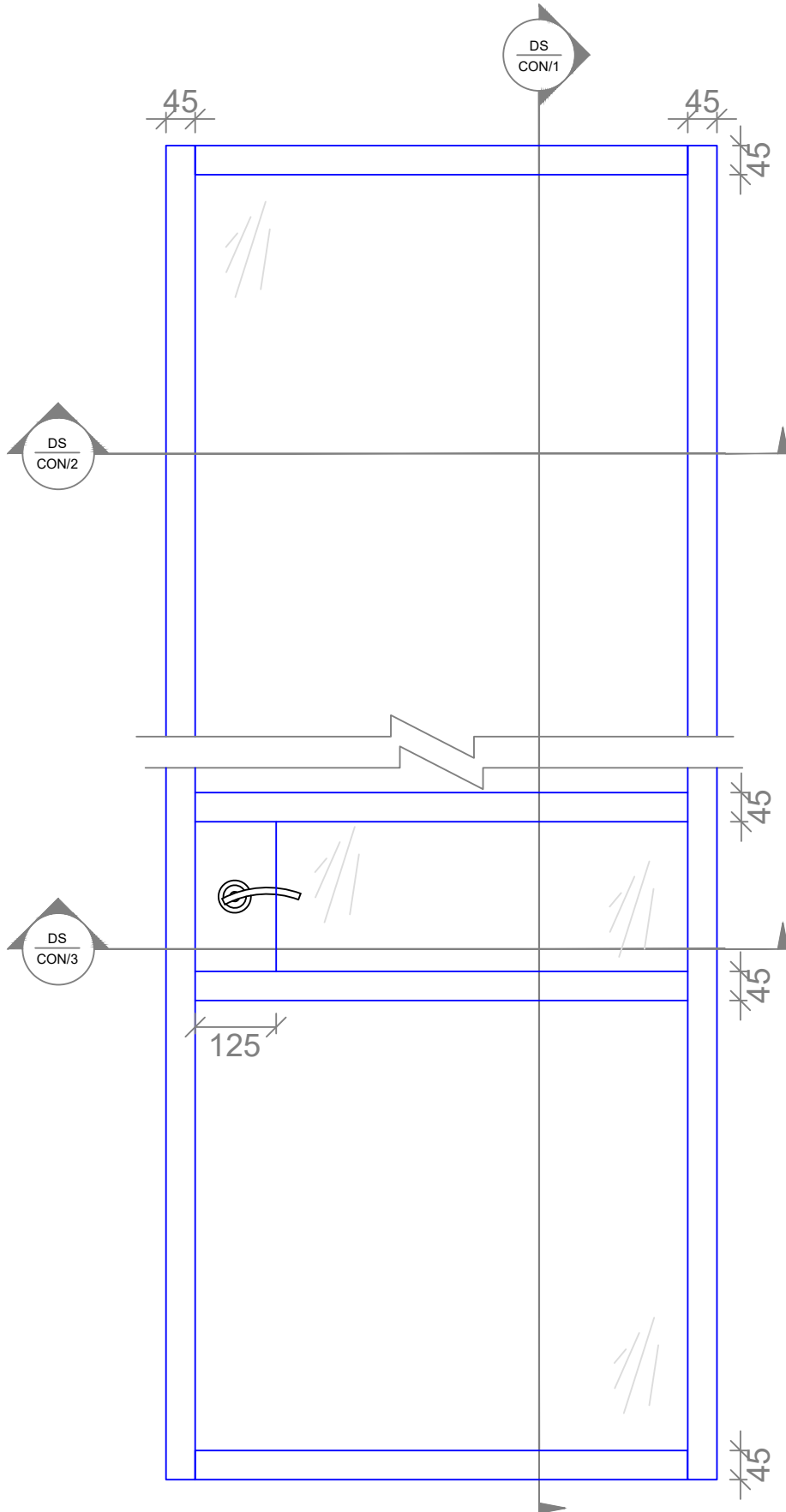


ASL 640
INFILL FOR LOCKSET STILE

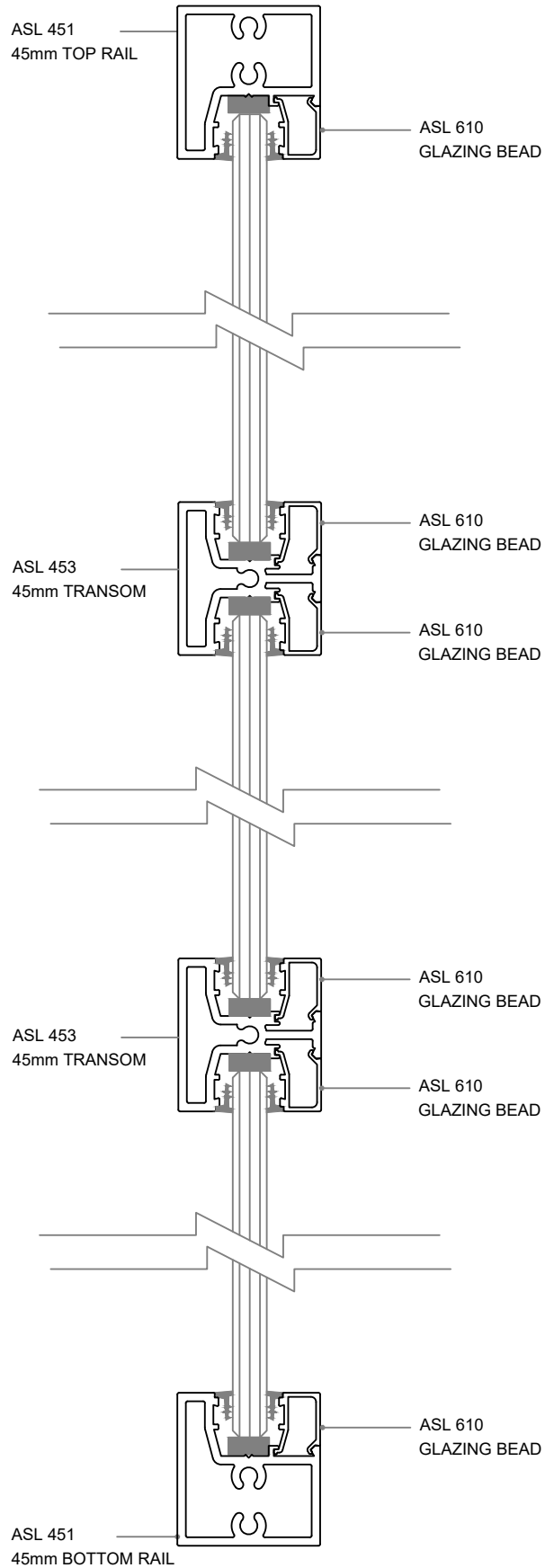


ASL 610
GLAZING BEAD

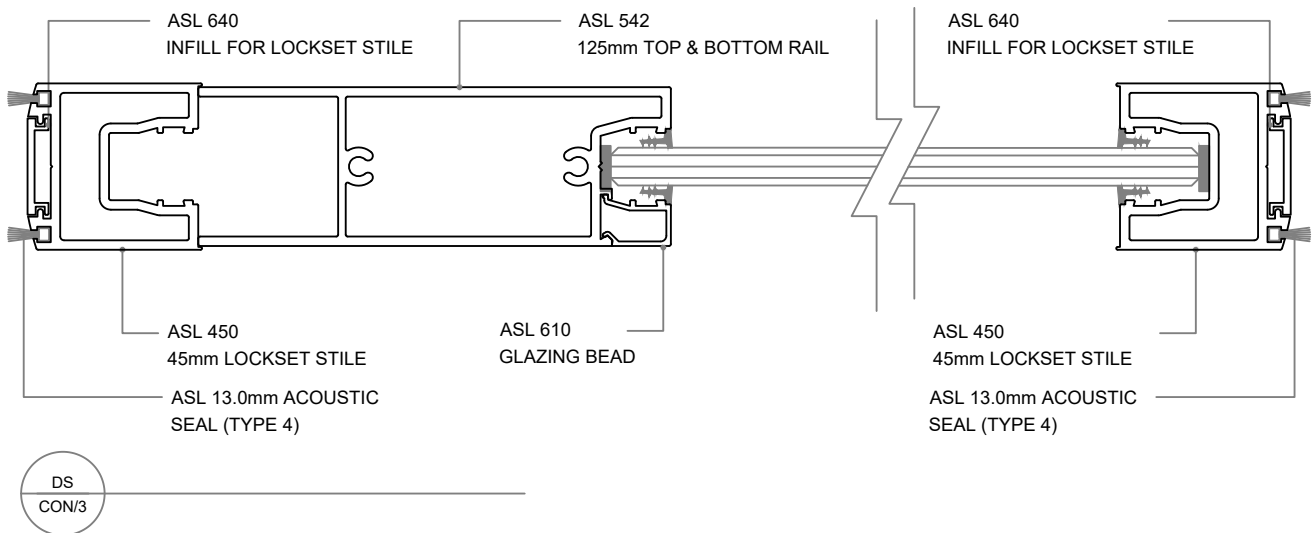
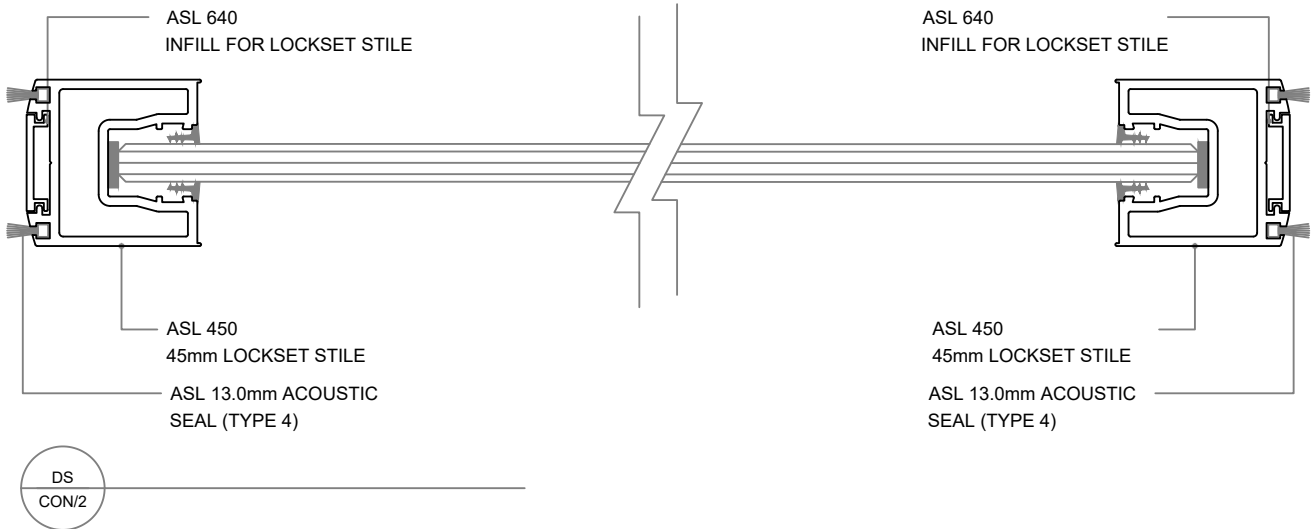
Standard Elevation - 45mm Profiles



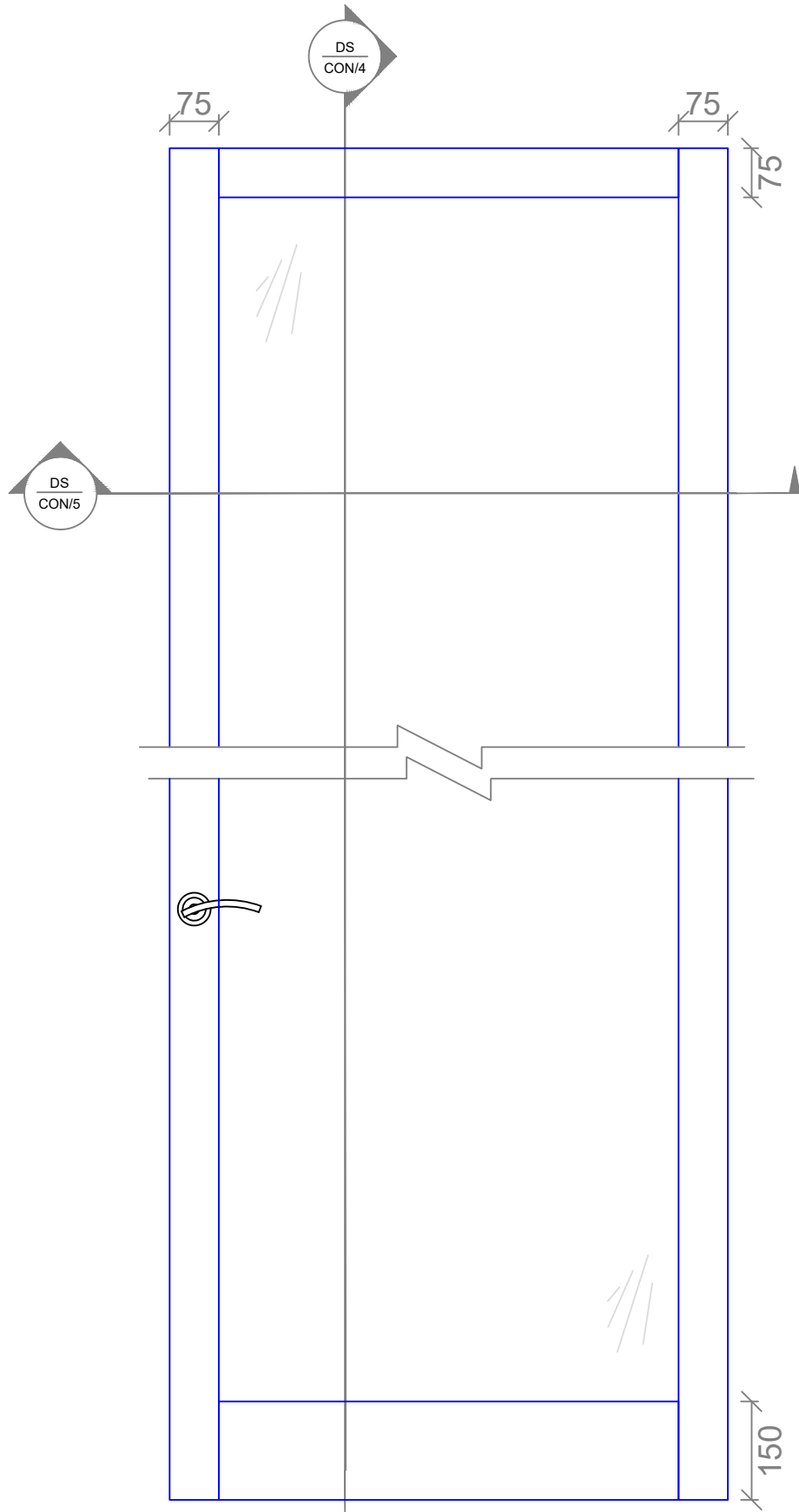
45mm Profiles - 45mm Top Rail - Vertical Options



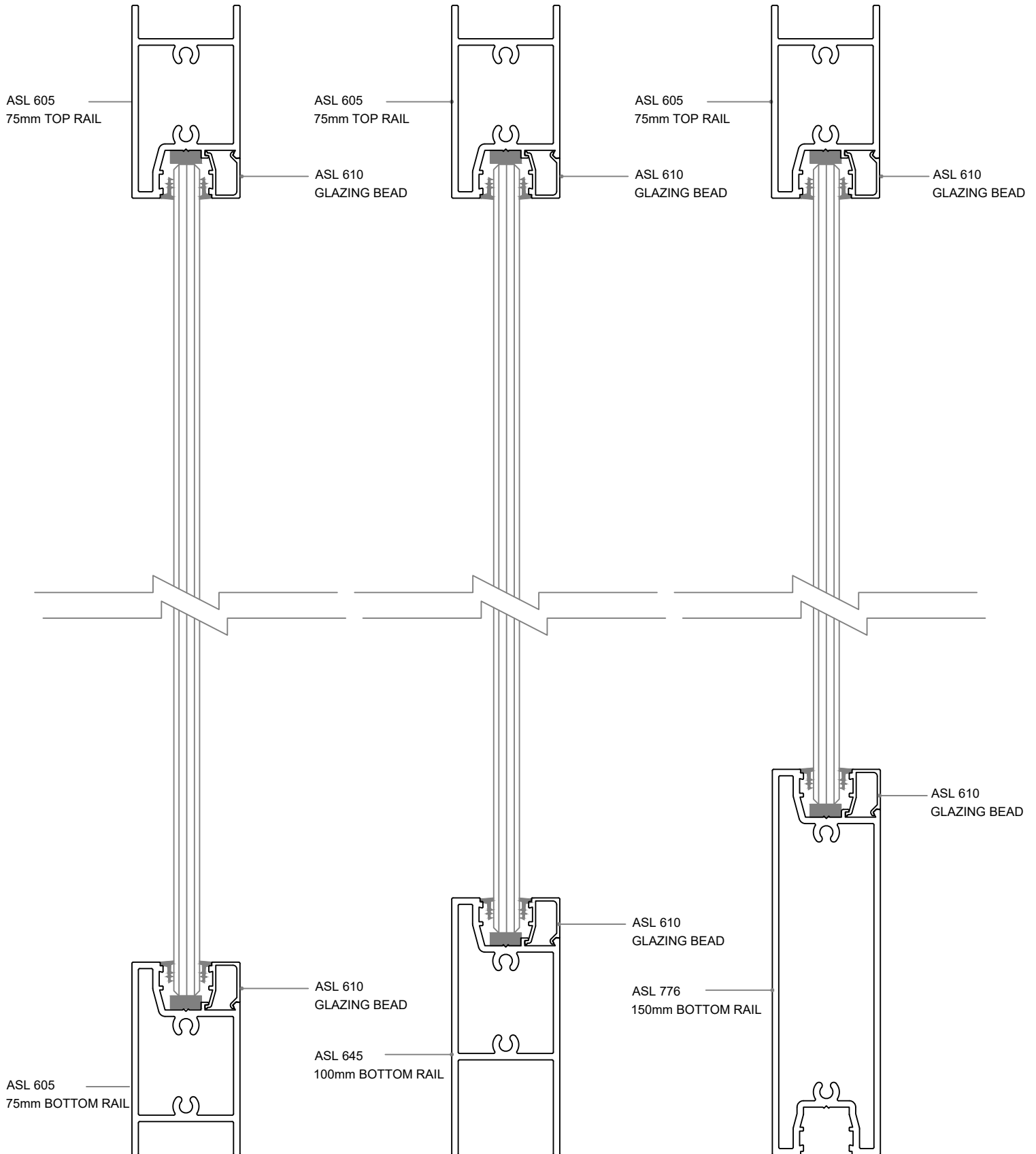
45mm Profiles - 45mm Hinged & Lockbox



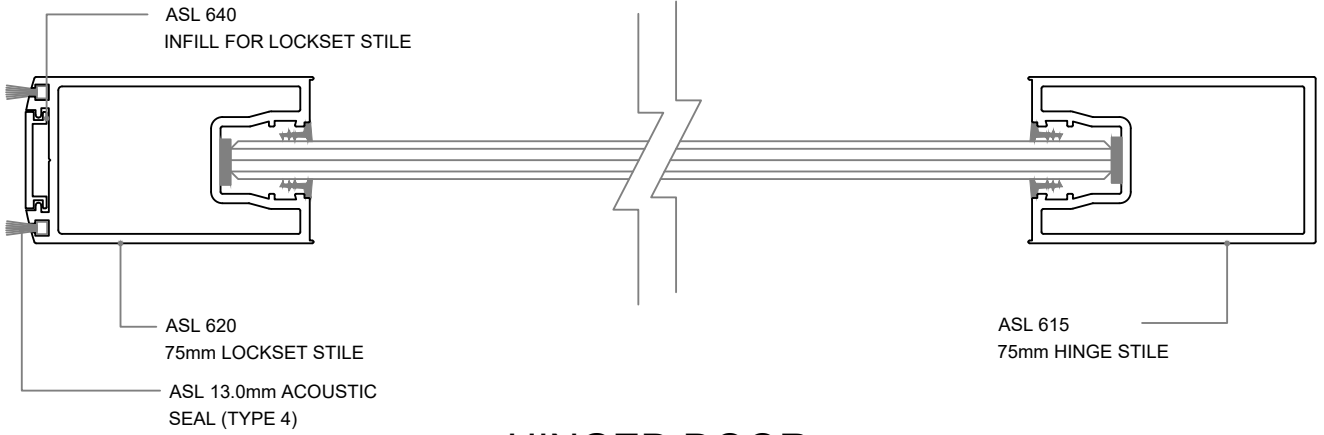
Standard Elevation - 75mm Profiles



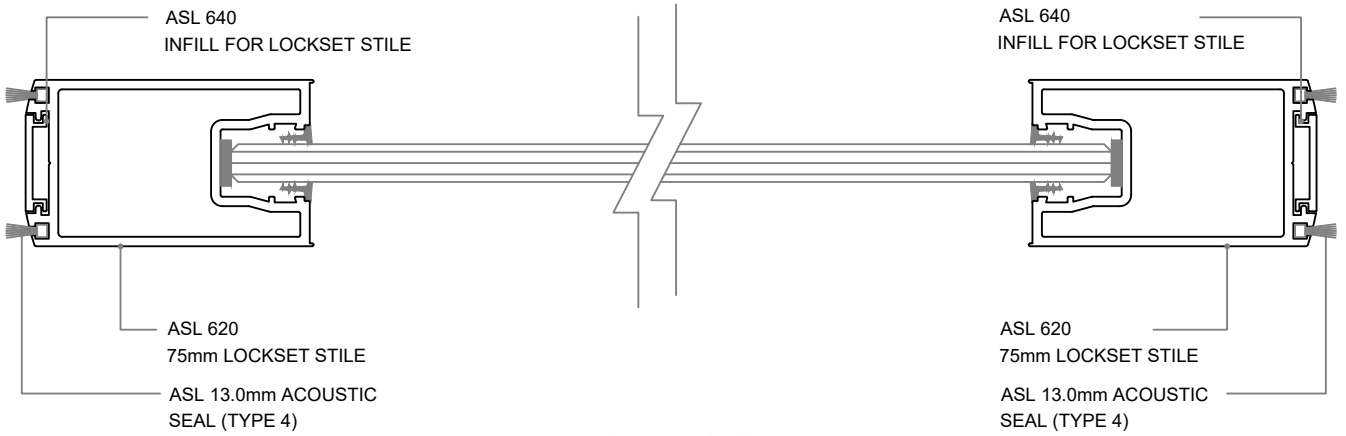
75mm Profiles - 75mm Top Rail - Vertical Options



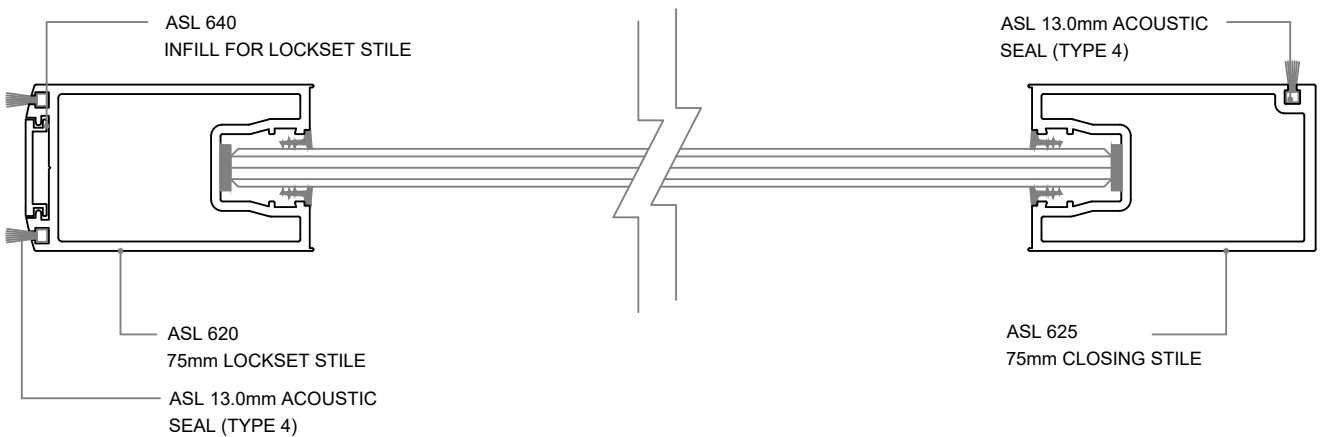
75mm Stiles - Hinged Pivot & Sliding



HINGED DOOR

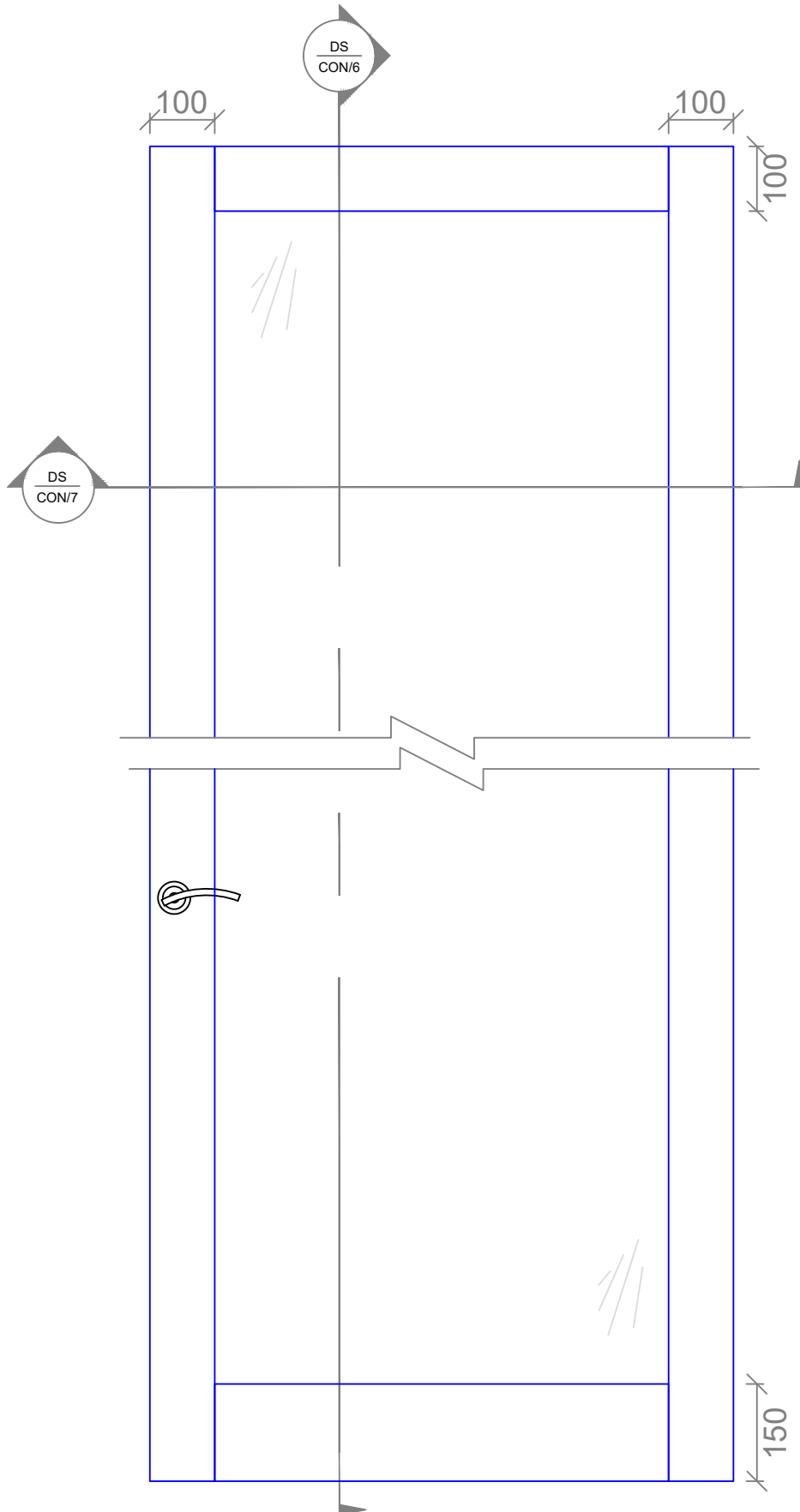


PIVOT DOOR

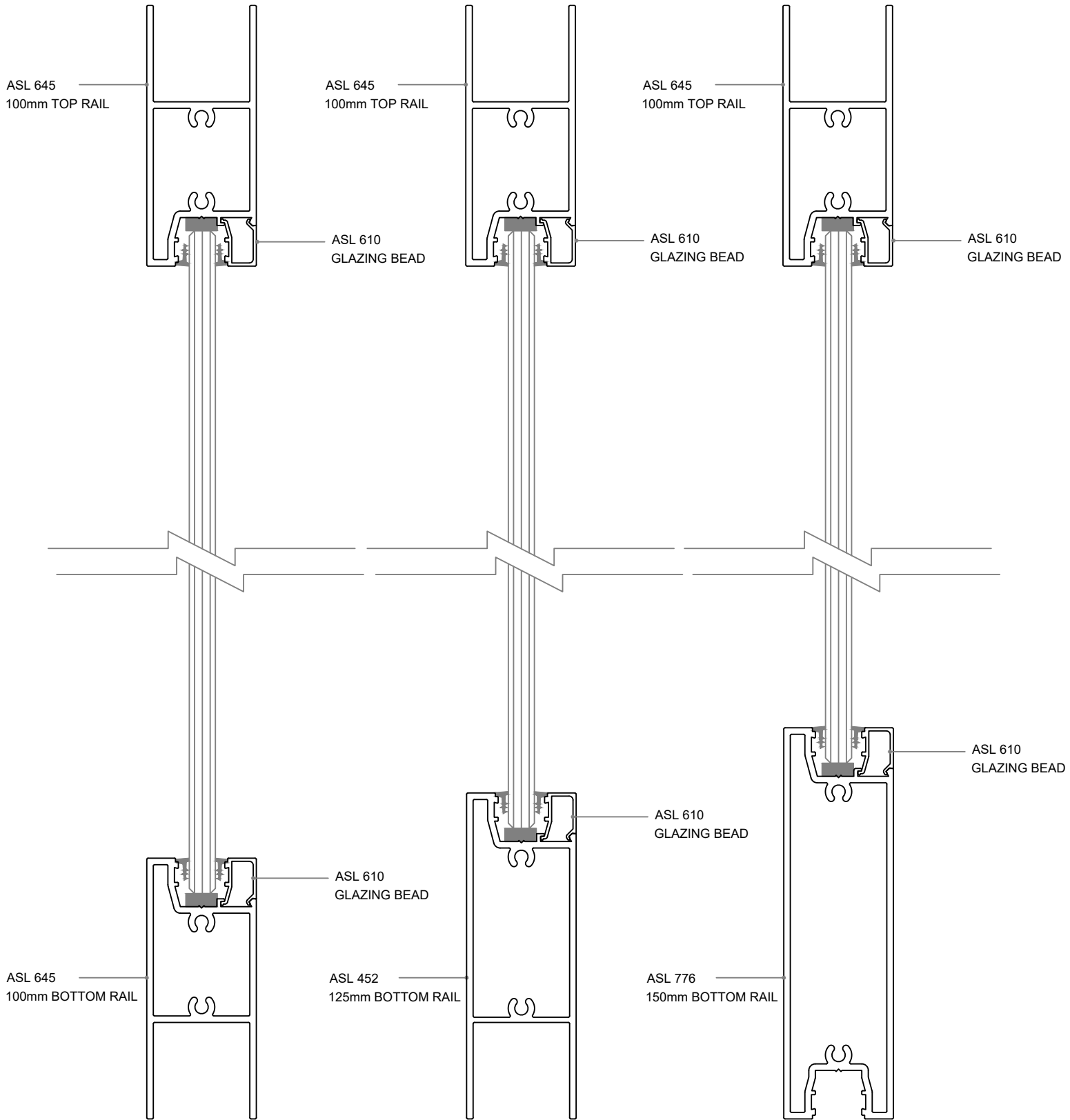


SLIDING DOOR

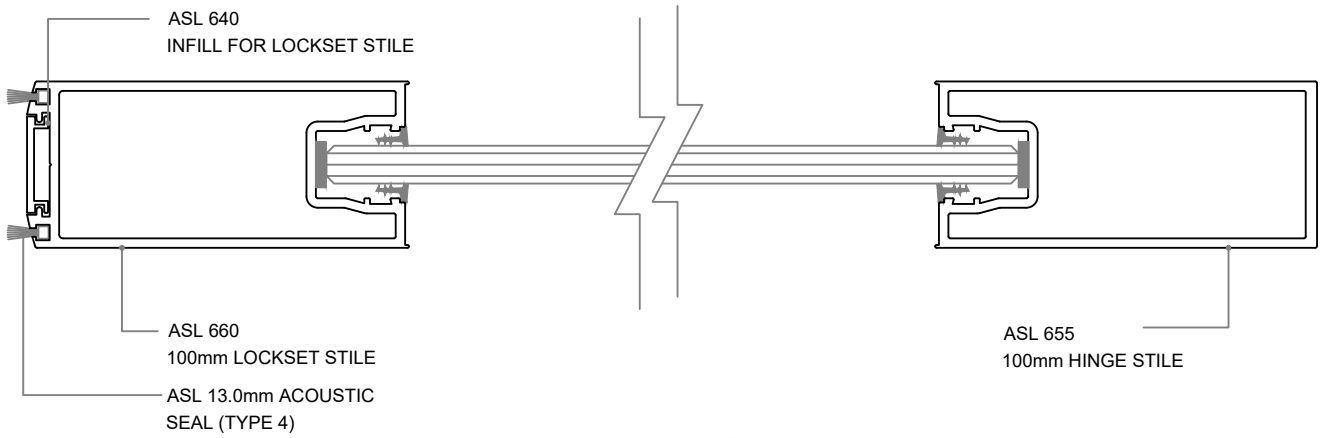
Standard Elevation - 100mm Profiles



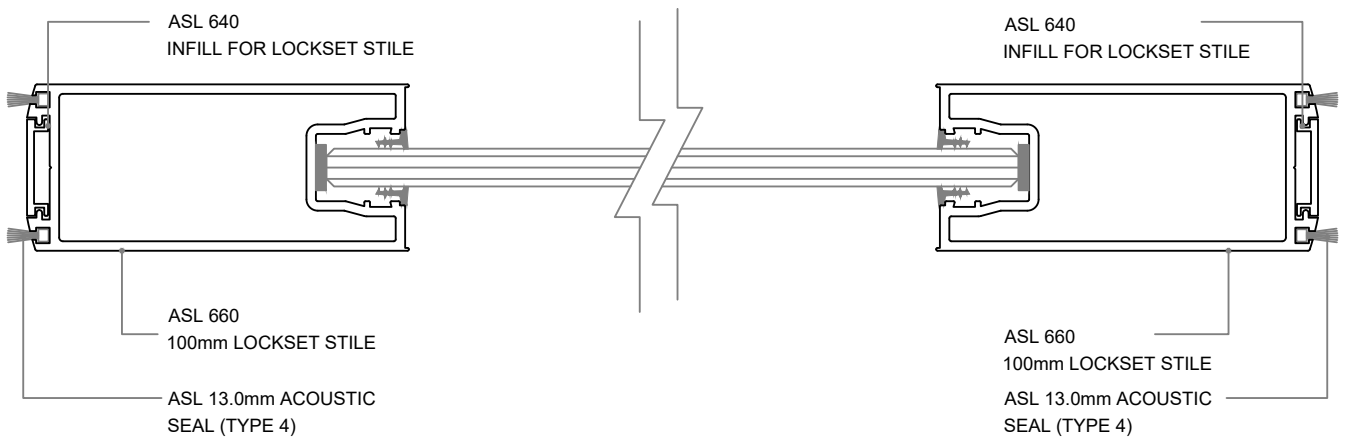
100mm Profiles - 100mm Top Rail - Vertical Options



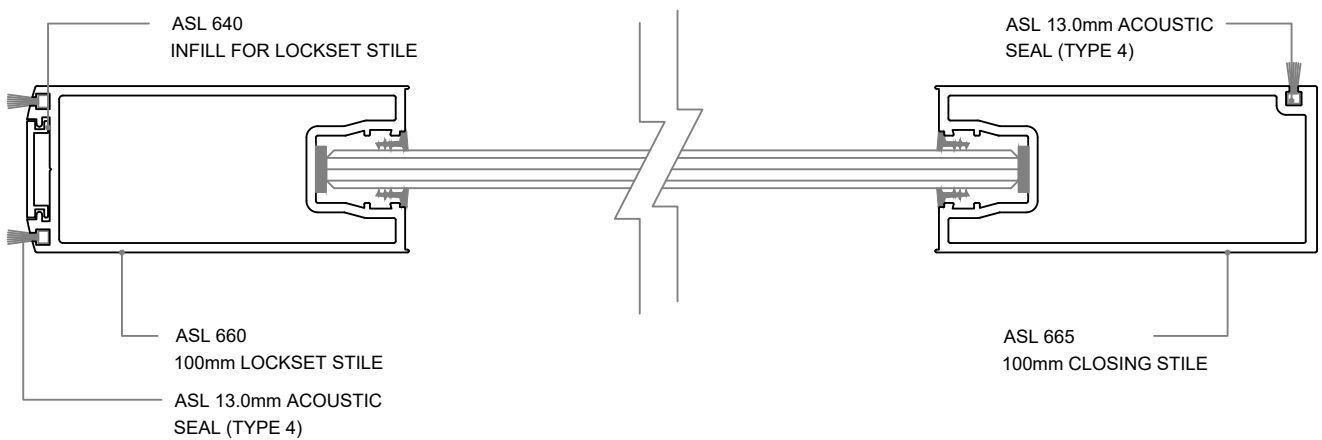
100mm Stiles - Hinged Pivot & Sliding



HINGED DOOR

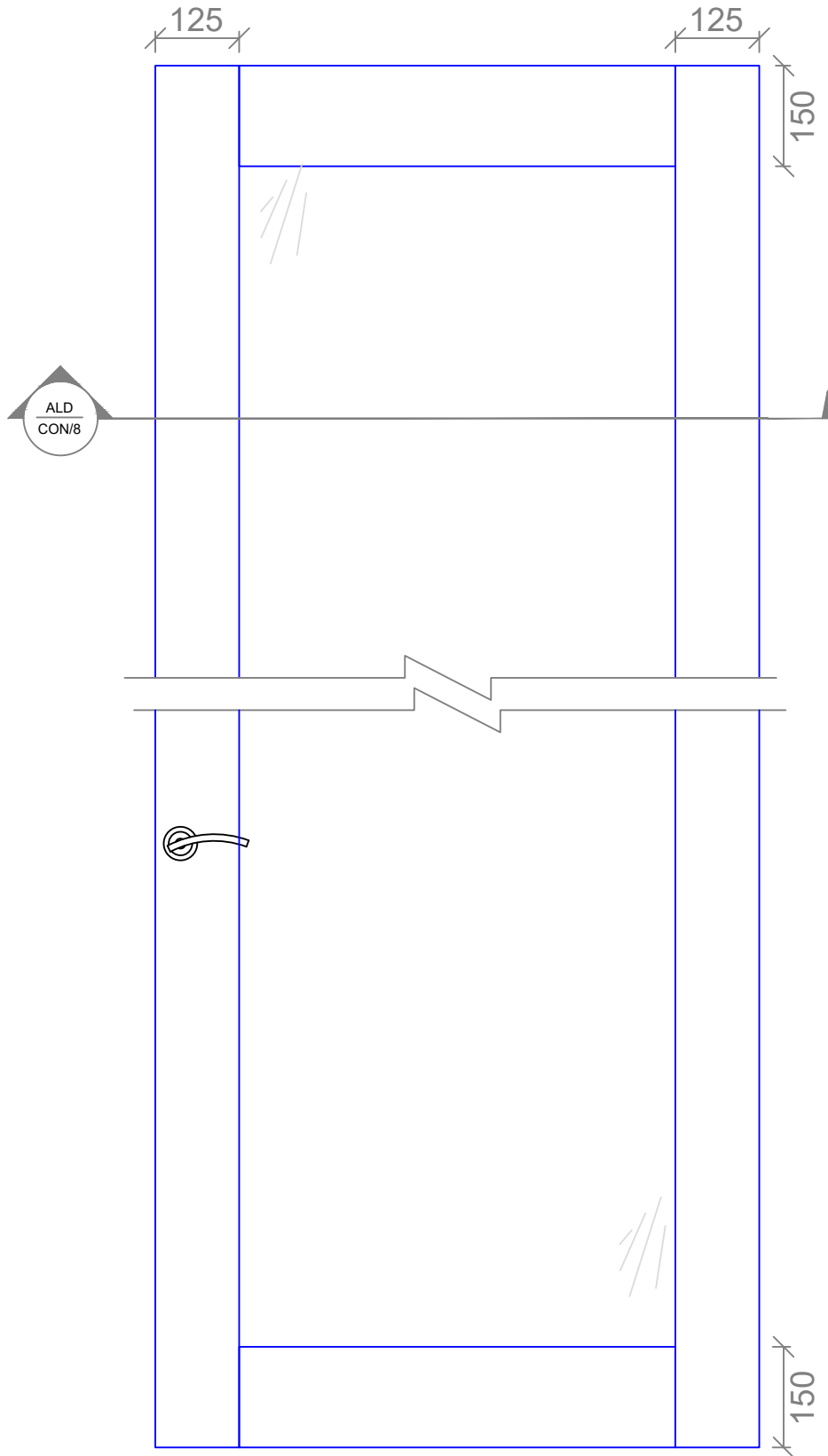


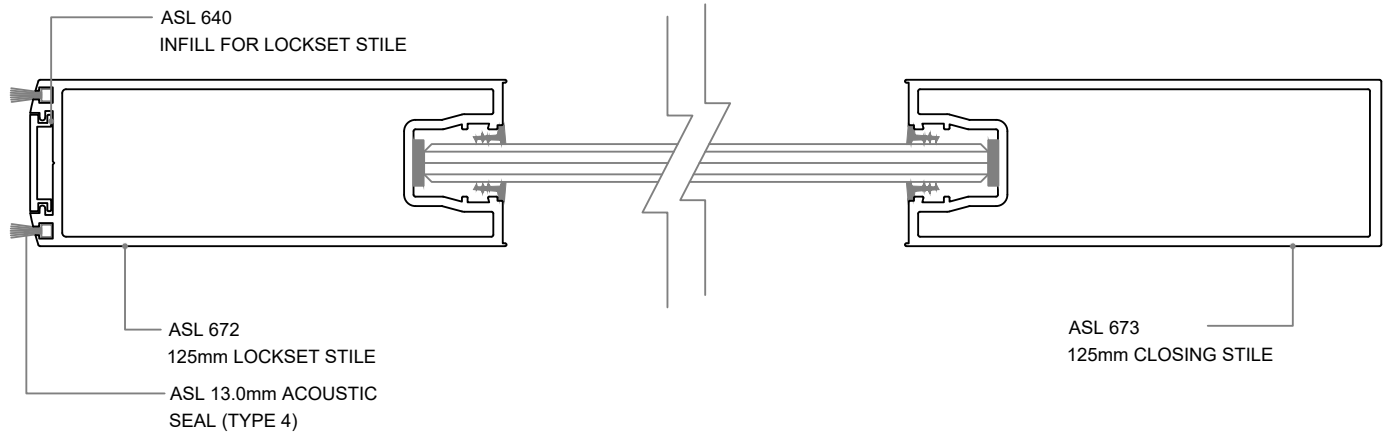
PIVOT DOOR



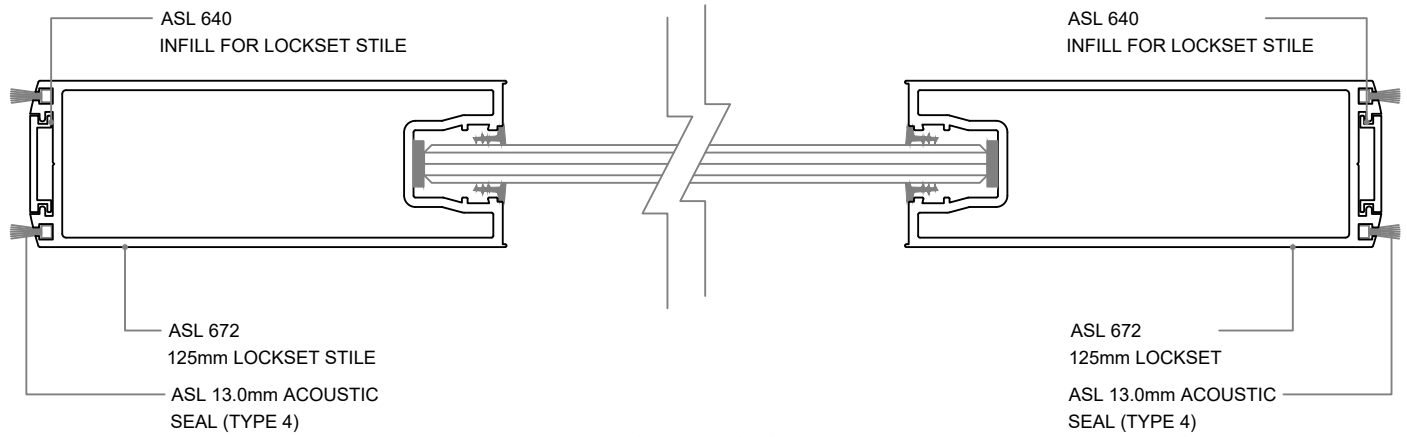
SLIDING DOOR

Standard Elevation - 125mm Profiles

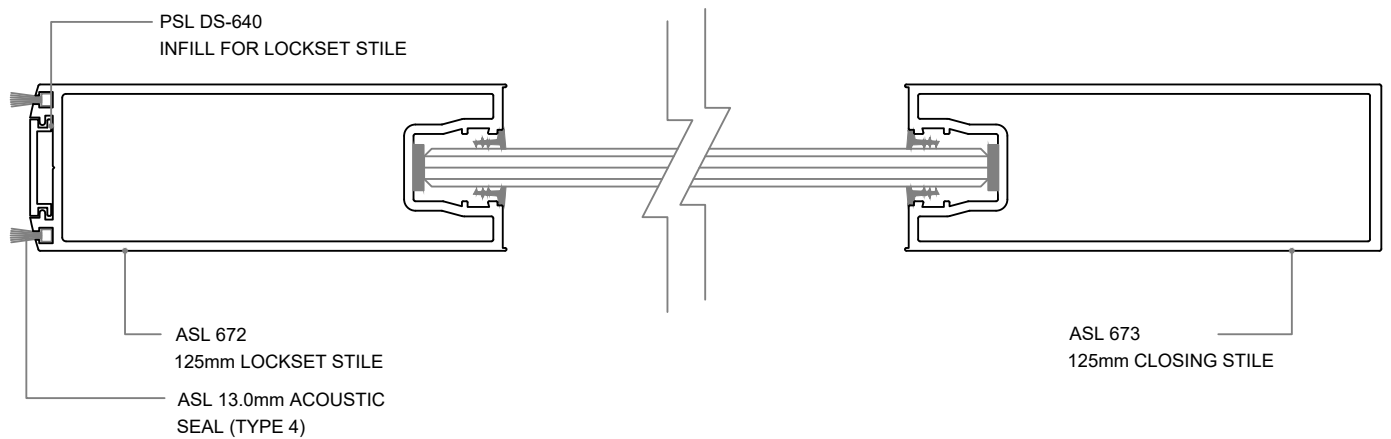




HINGED DOOR

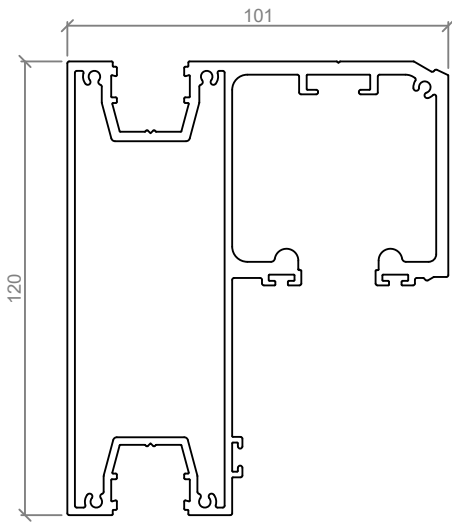


PIVOT DOOR

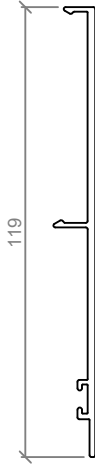


SLIDING DOOR

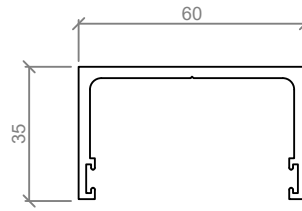
Standard Sliding Suites Profiles - Suits All ASL Systems



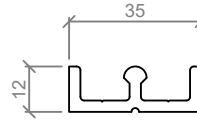
ASL 360
TOP ROLLER TRACK WITH FIXED GLAZING



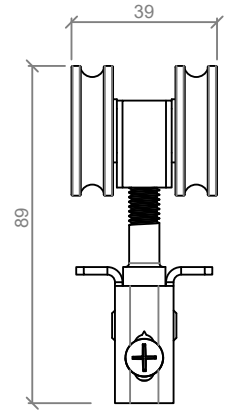
ASL 361
PELMET



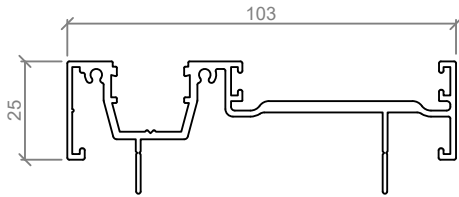
ASL 102
HEAD GUIDE



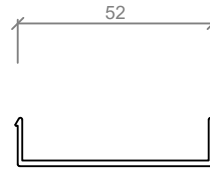
ASL 101
BOTTOM ROLLER TRACK



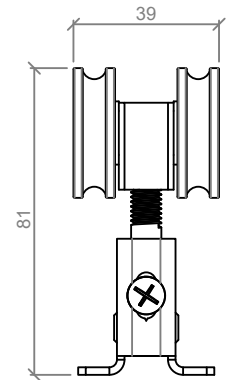
ZEB-ASL75
ASL ZERO CLEARANCE TOP
HUNG CARRIAGE - 200Kg PANEL
RATING, SUITS 75mm STILES



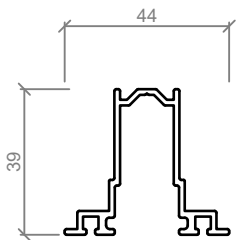
ASL 353
VERTICAL STARTER



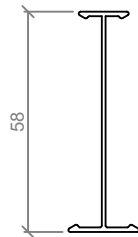
ASL 355
VERTICAL CLOSER



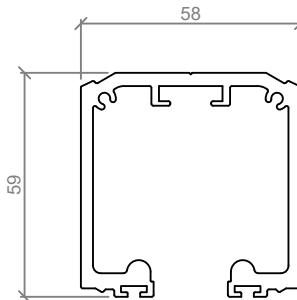
ZEB-ASL100
ASL ZERO CLEARANCE TOP
HUNG CARRIAGE - 200Kg PANEL
RATING, SUITS 100mm STILES



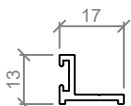
ASL 365
BOTTOM ROLLER GUIDE
& RP8 RAVEN SEAL RECIEVER



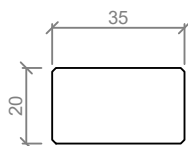
ASL 364
TRACK JOINER CLIP



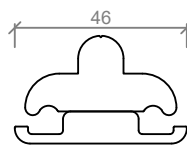
ASL 363
TRACK



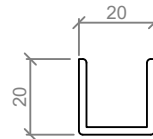
ASL 362
INTERLOCKER



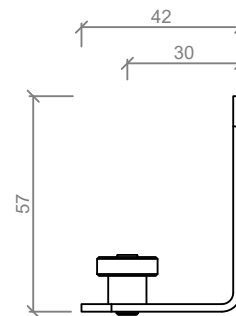
NYLON FLOOR GUIDE



DOOR STOP 180 / 250

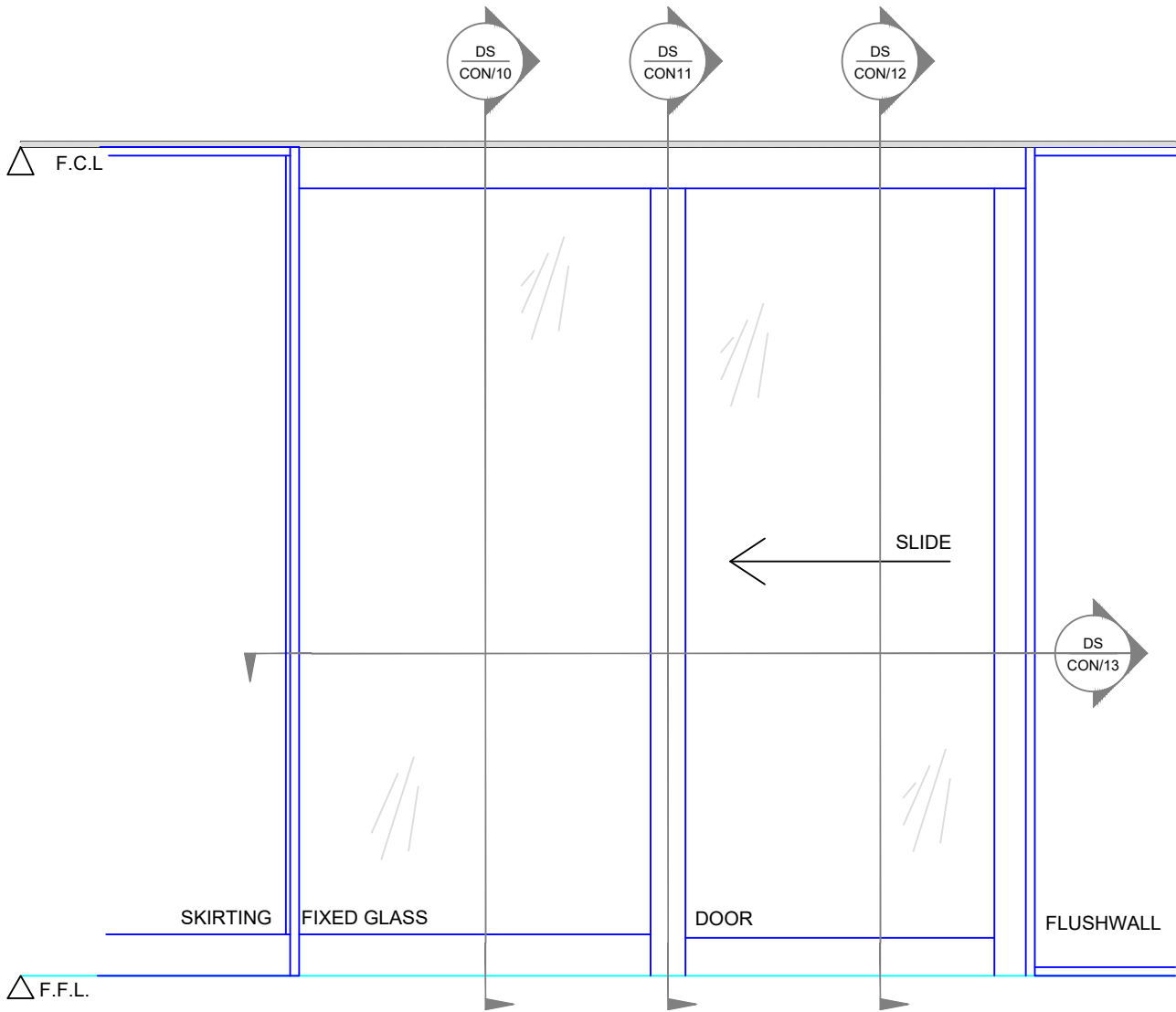


GUIDE CHANNEL

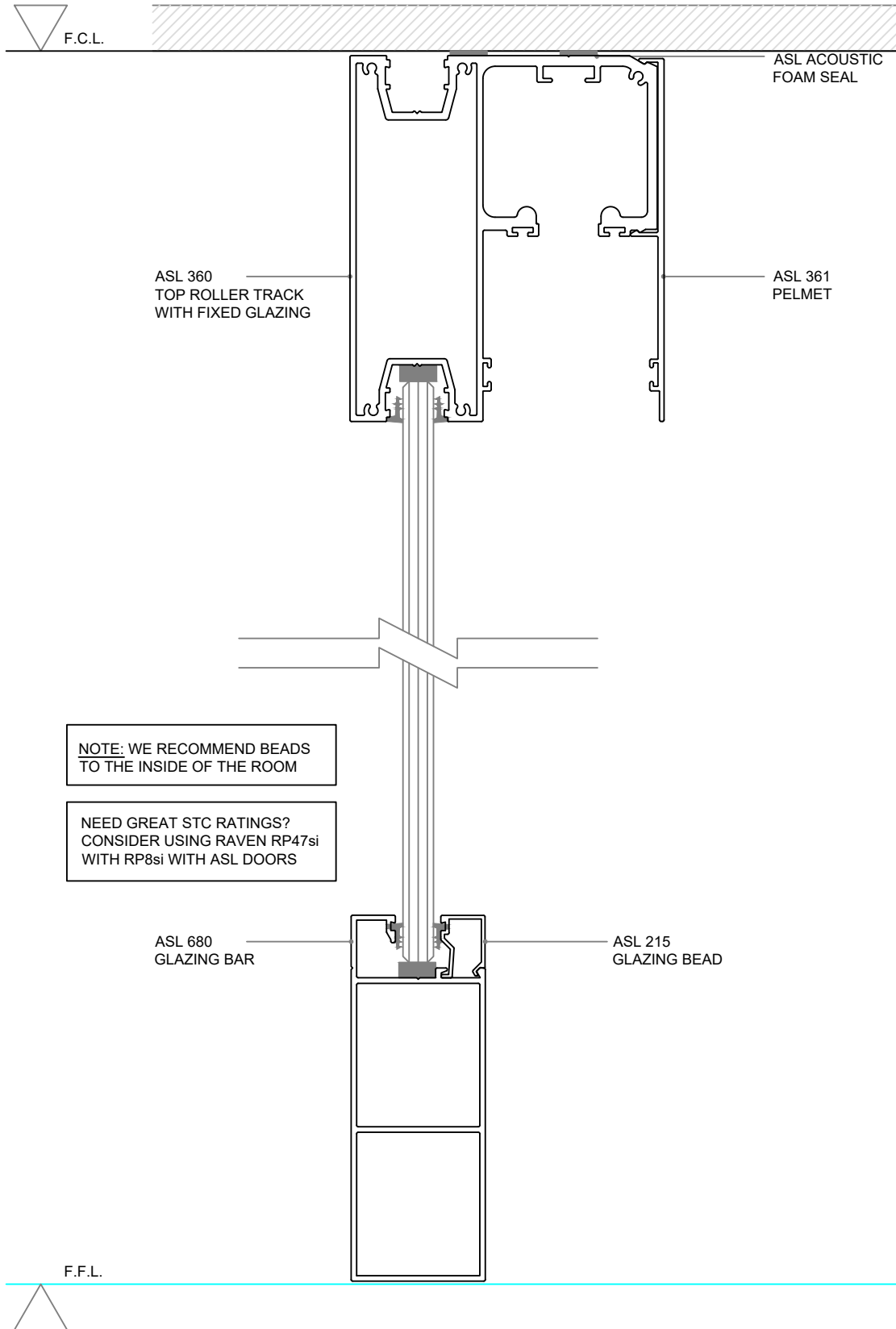


ROLLER GUIDE

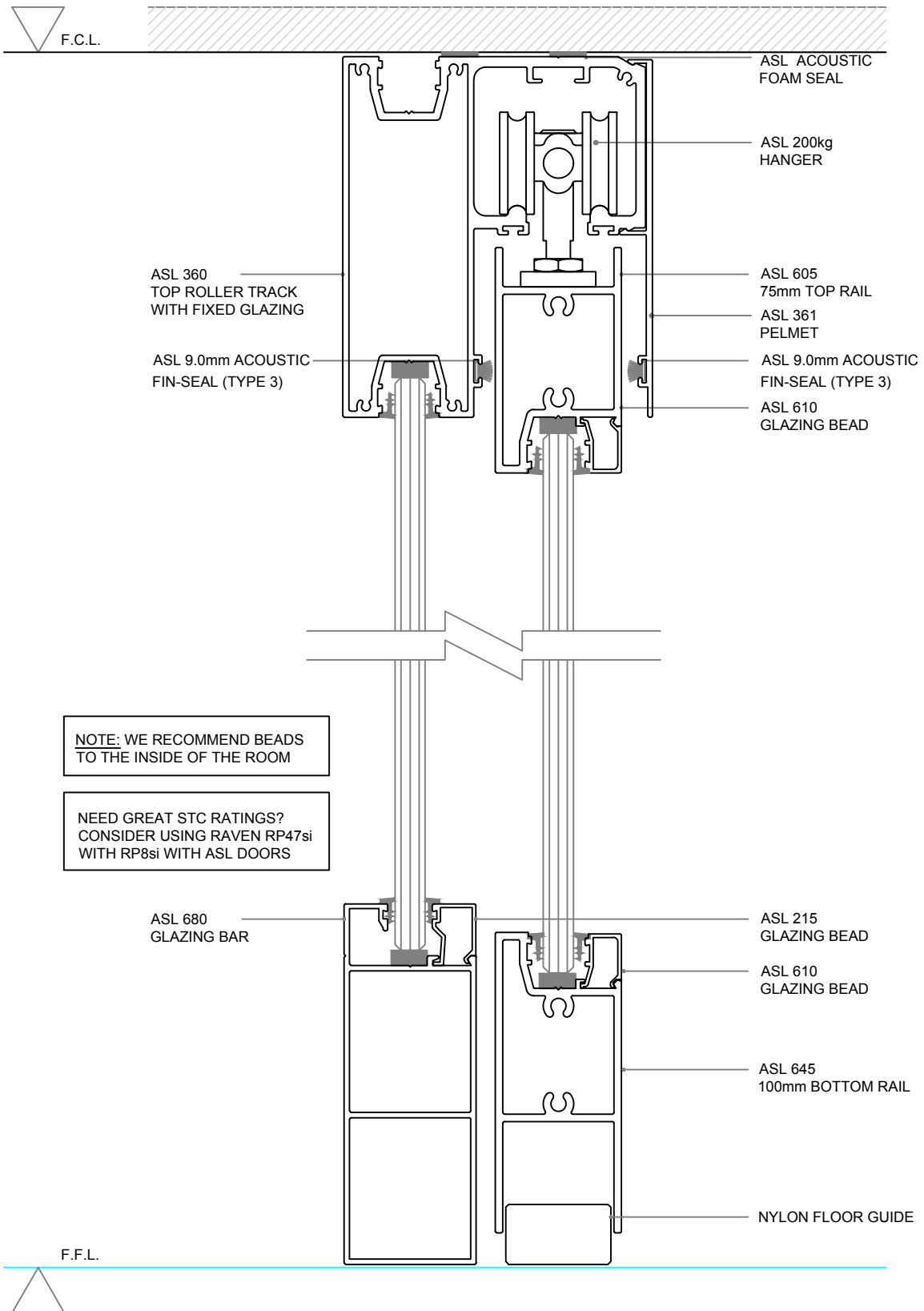
Standard Elevation - Single Sliding Door with Fixed Glazing



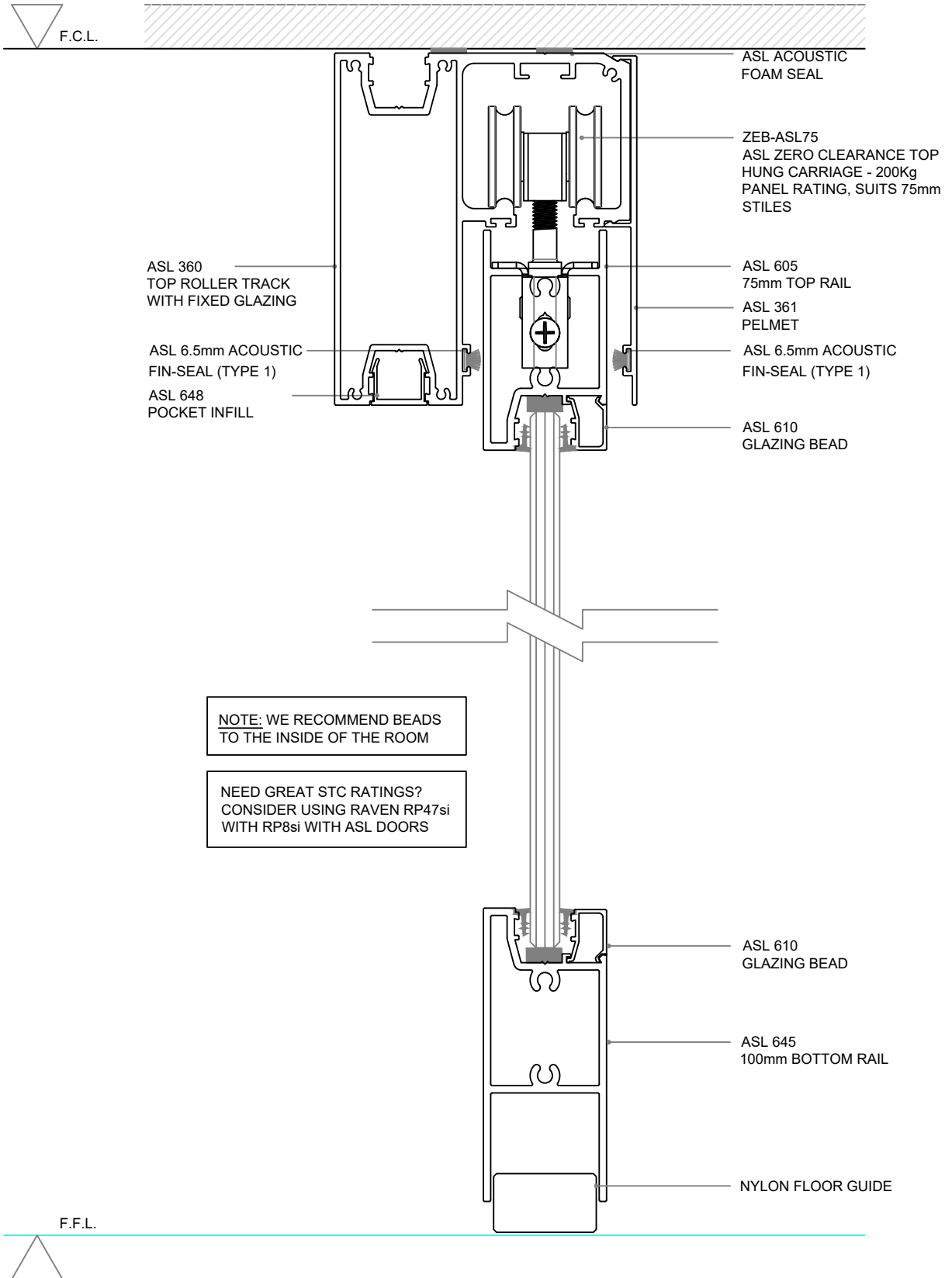
Standard Details - Top Hung Sliding Door, Fixed Panel



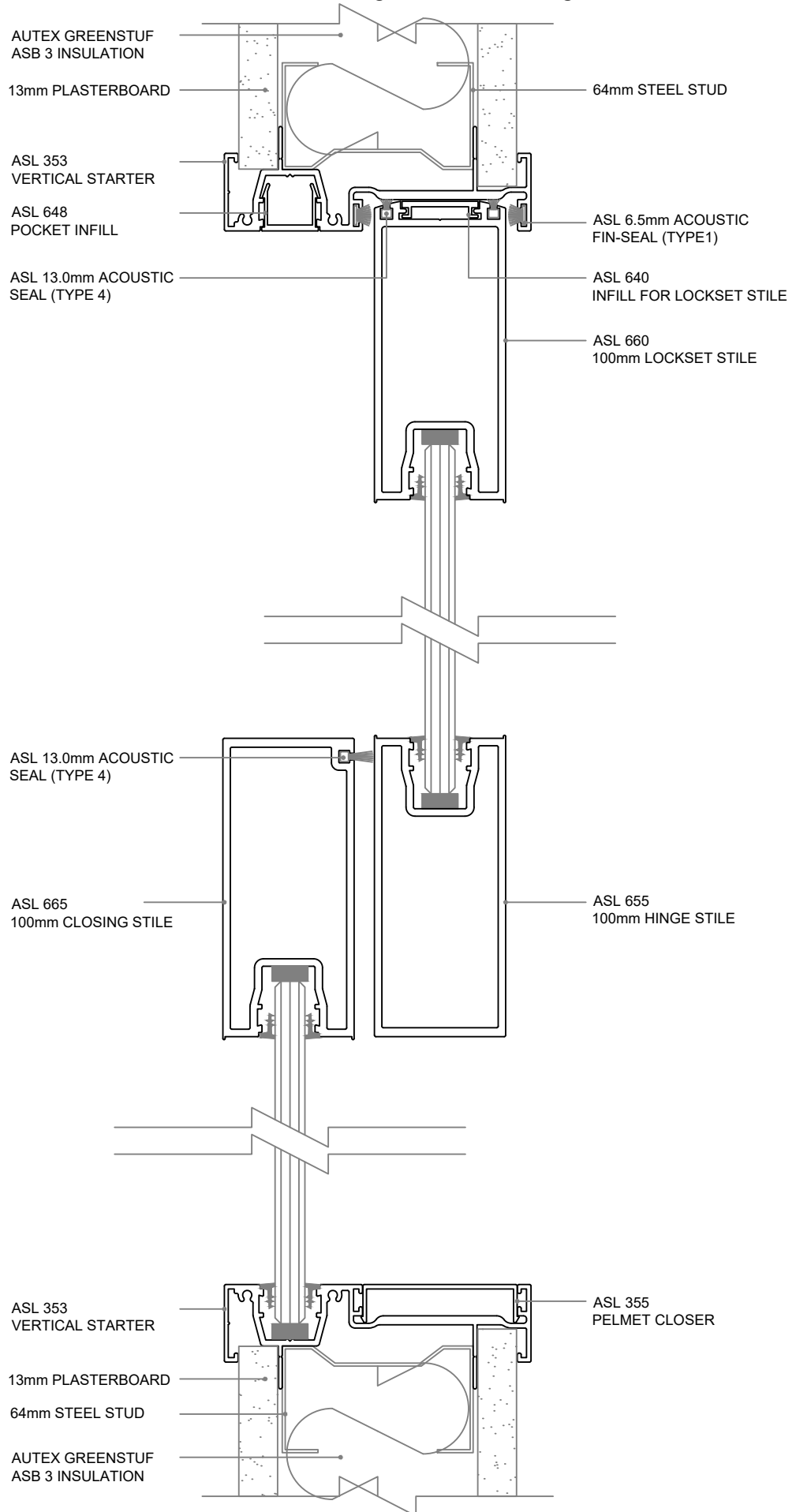
Standard Details - Top Hung Sliding Door, Fixed Panel



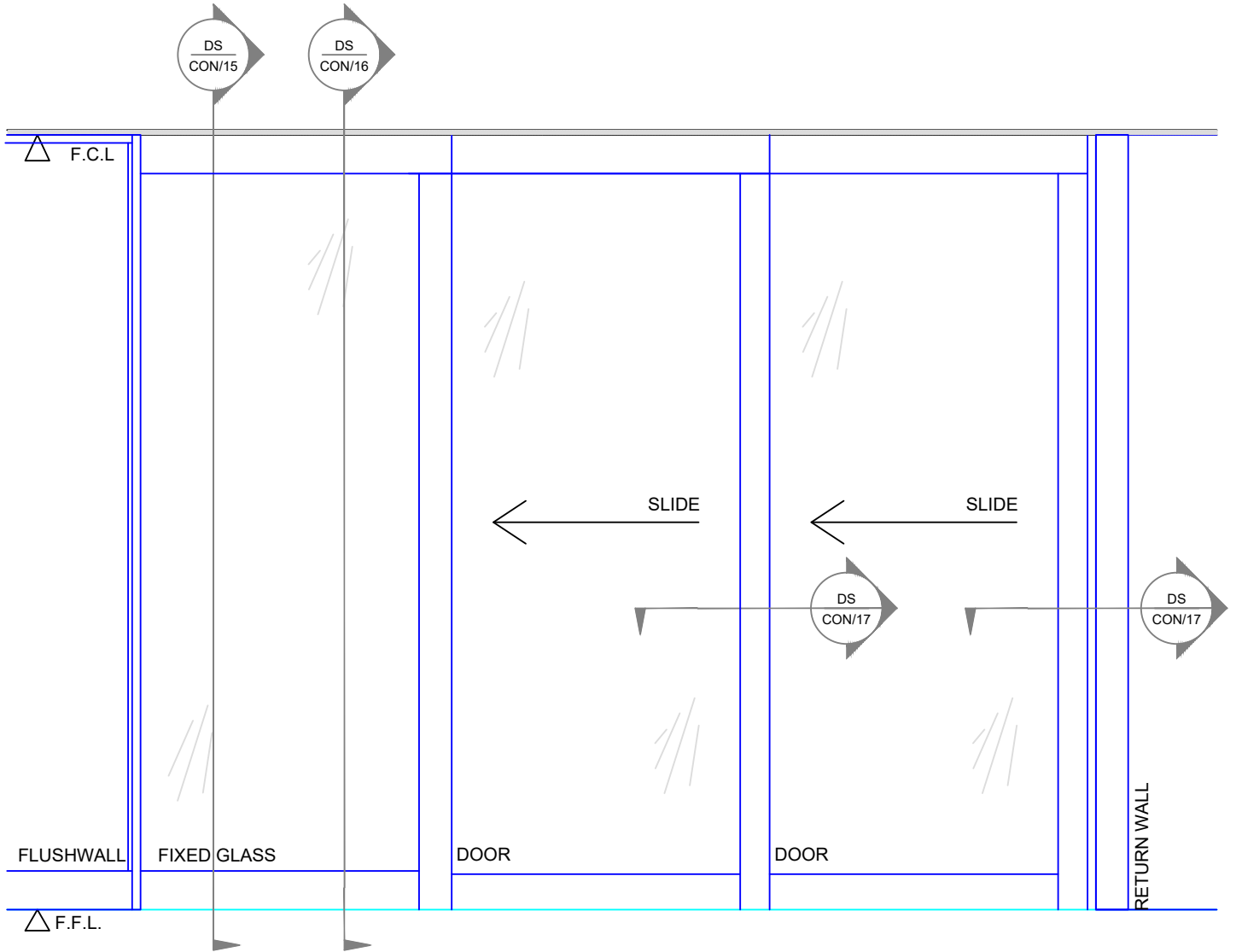
Standard Details - Opening & Door Panel



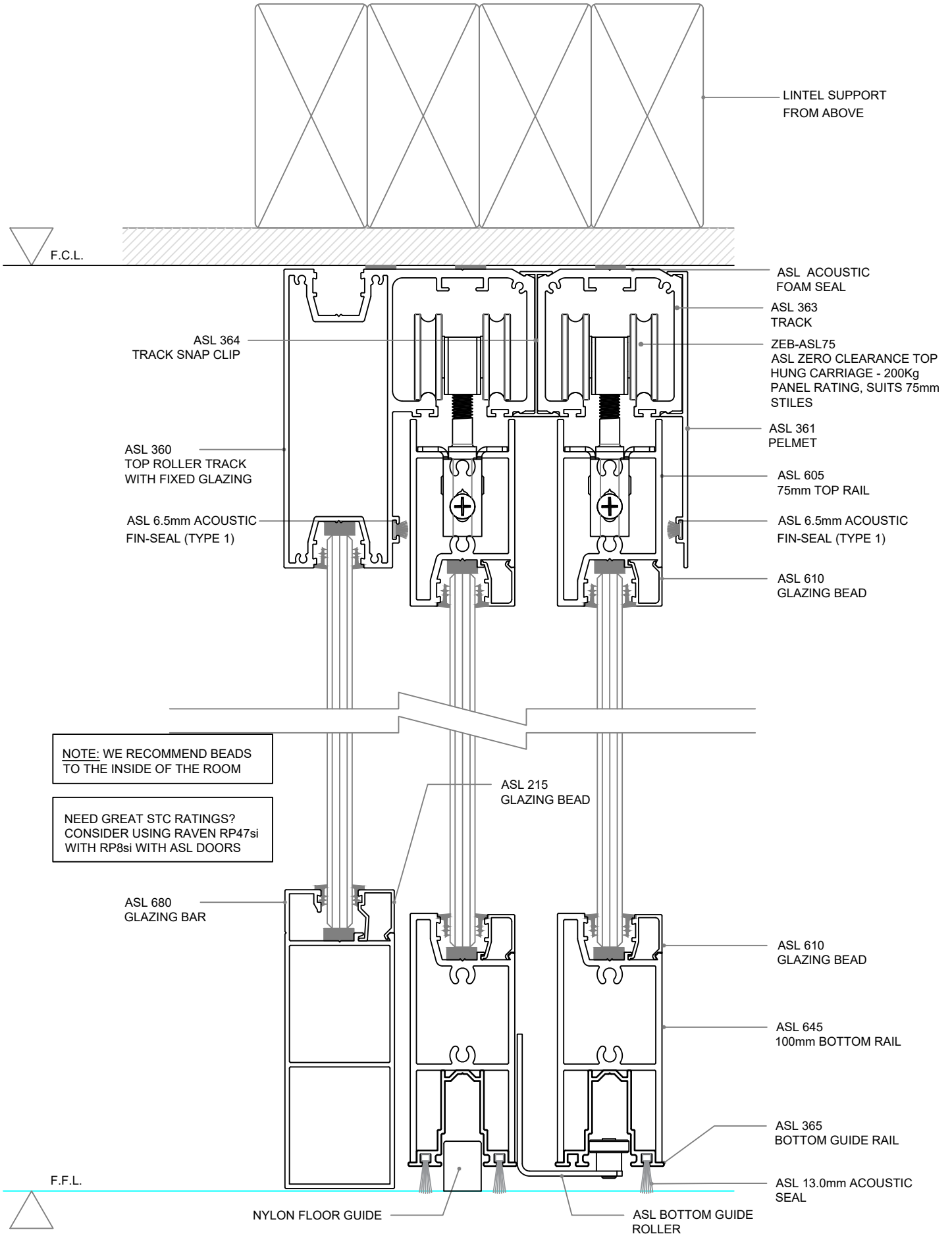
Standard Details - 64mm Steel Stud, Sliding Door, Fixed Glazing



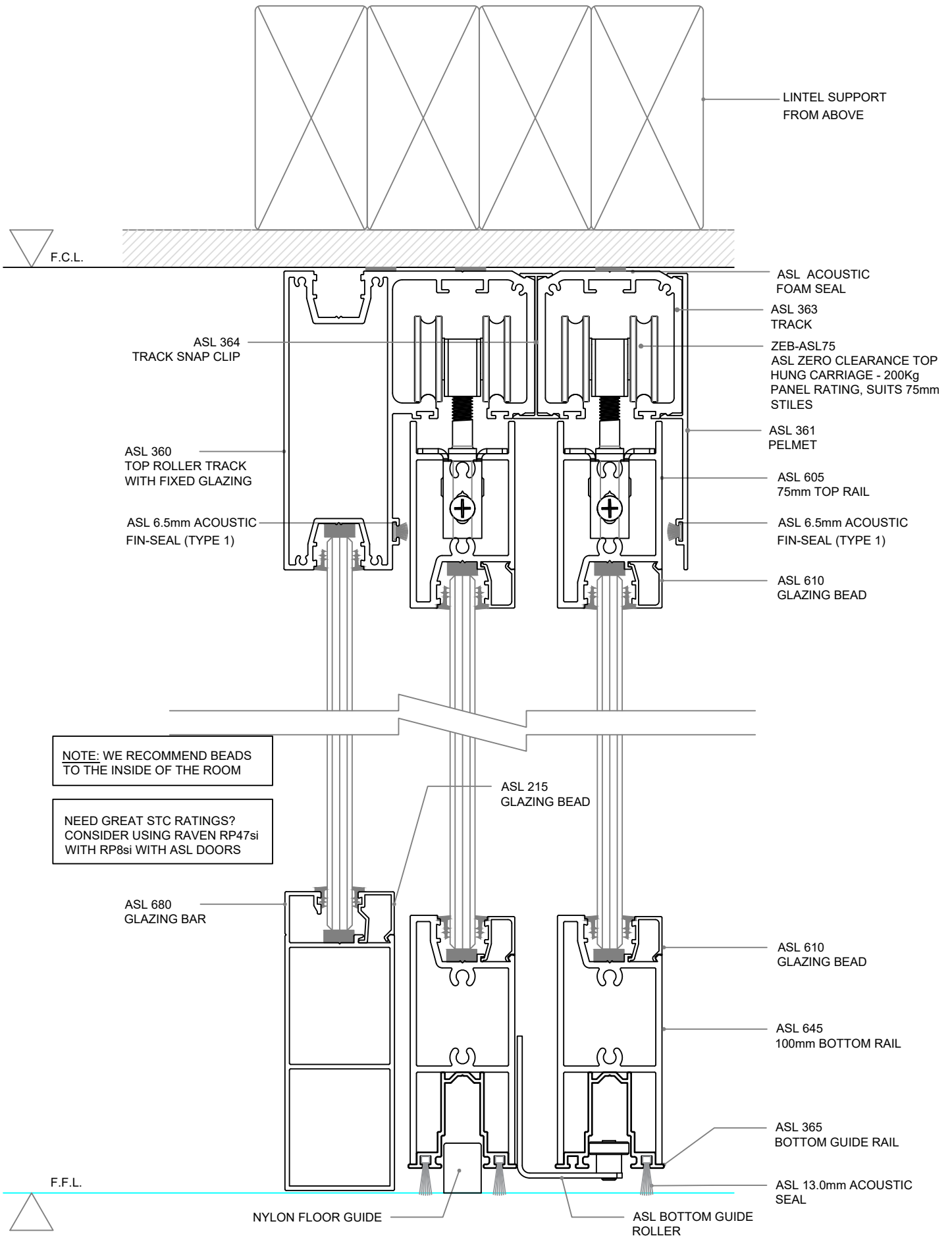
Standard Elevation - Double Sliding Doors with Fixed Glazing



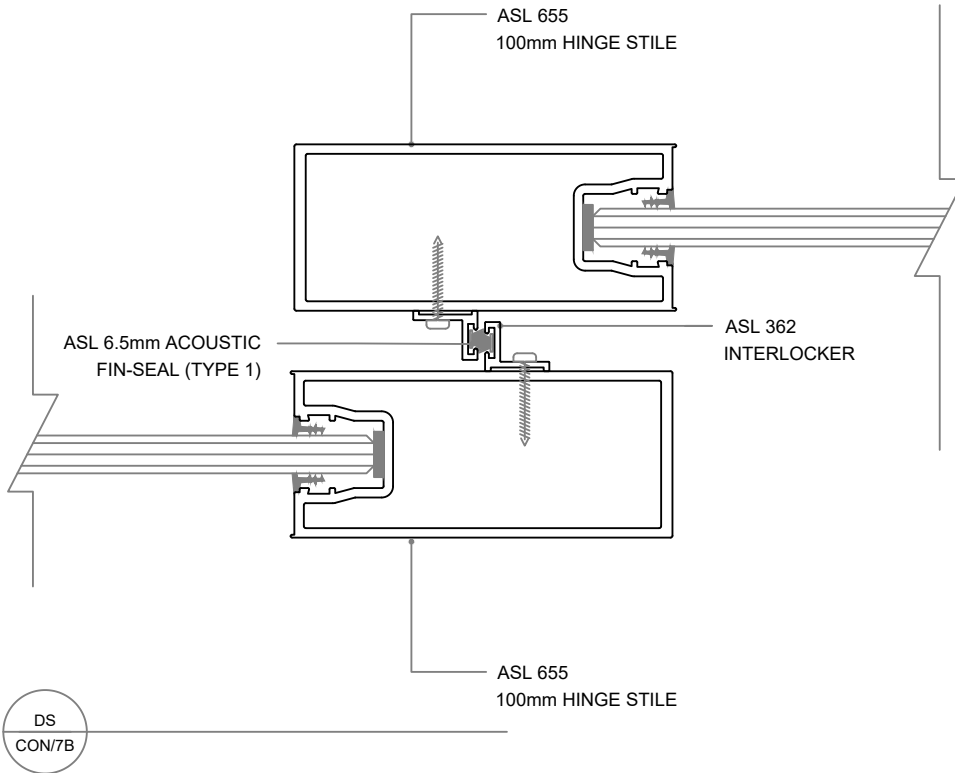
Standard Details - Bottom Roller Stacking Doors - Mating Head



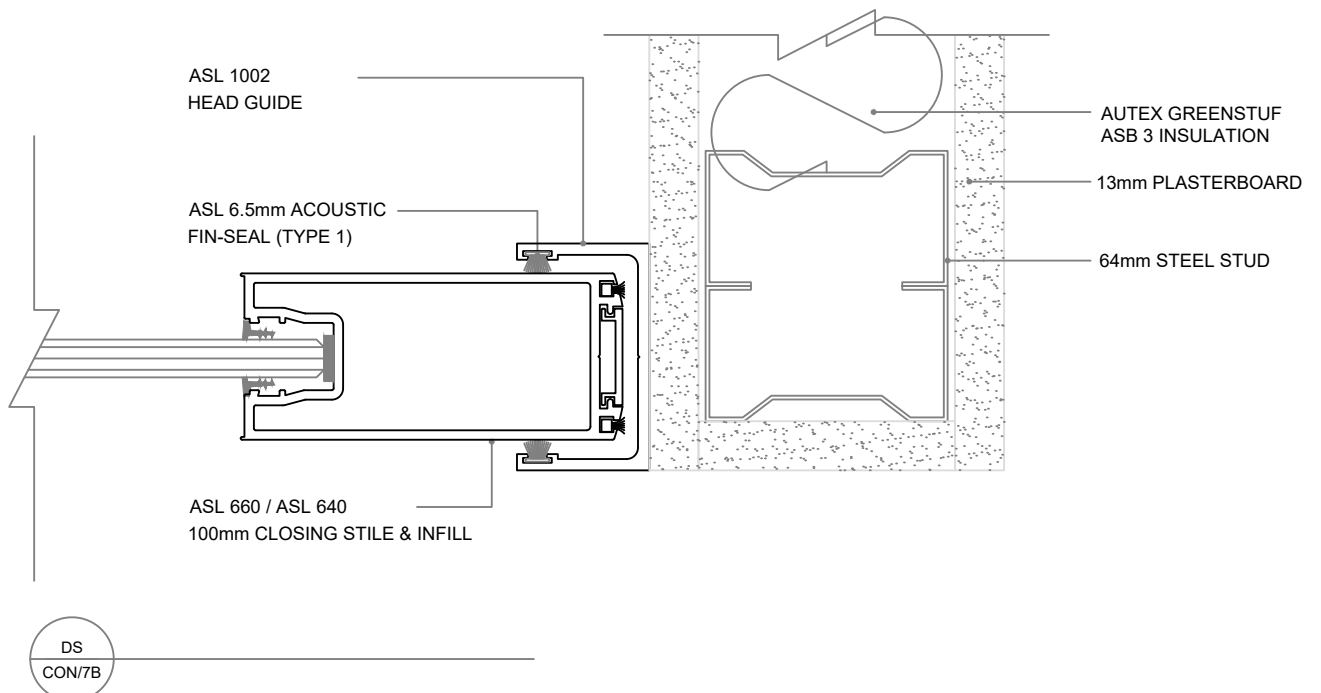
Standard Details - Bottom Roller Stacking Doors - Mating Head Guide



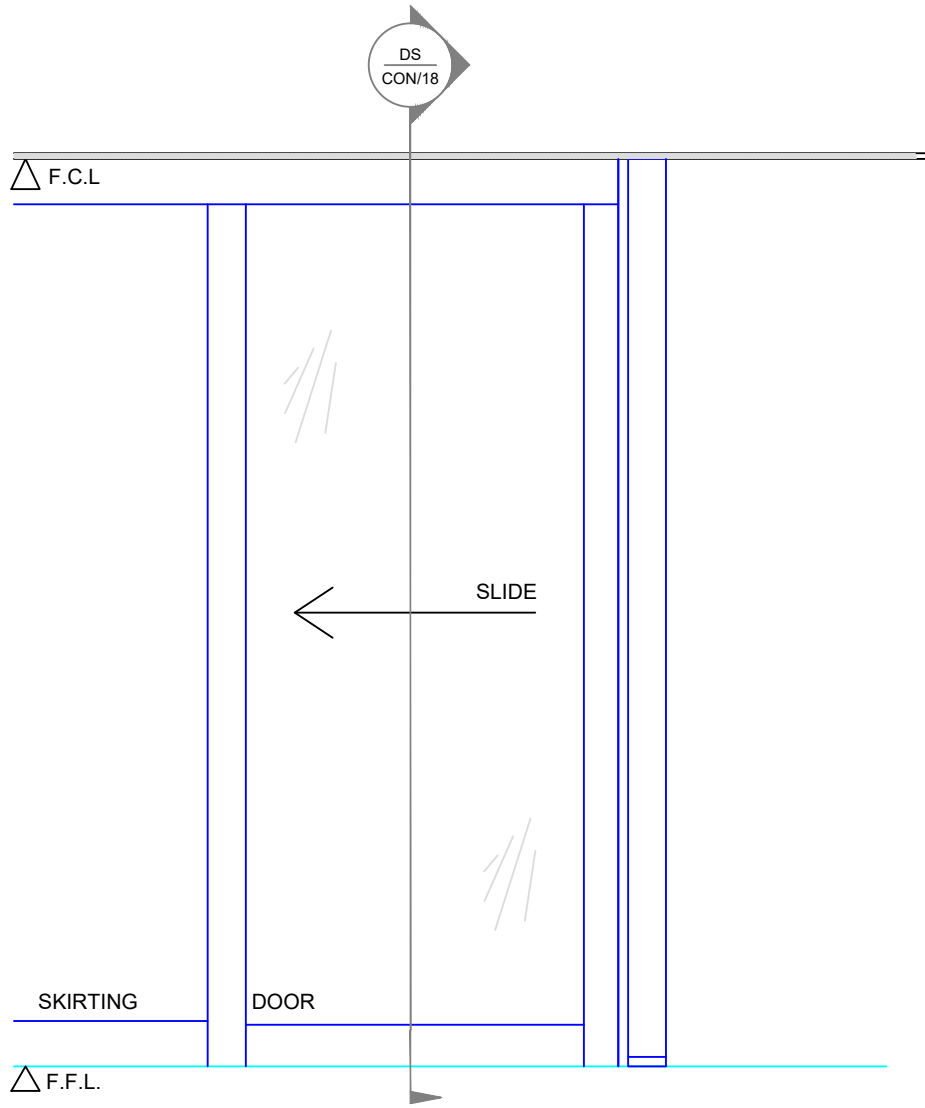
INTERLOCKERS



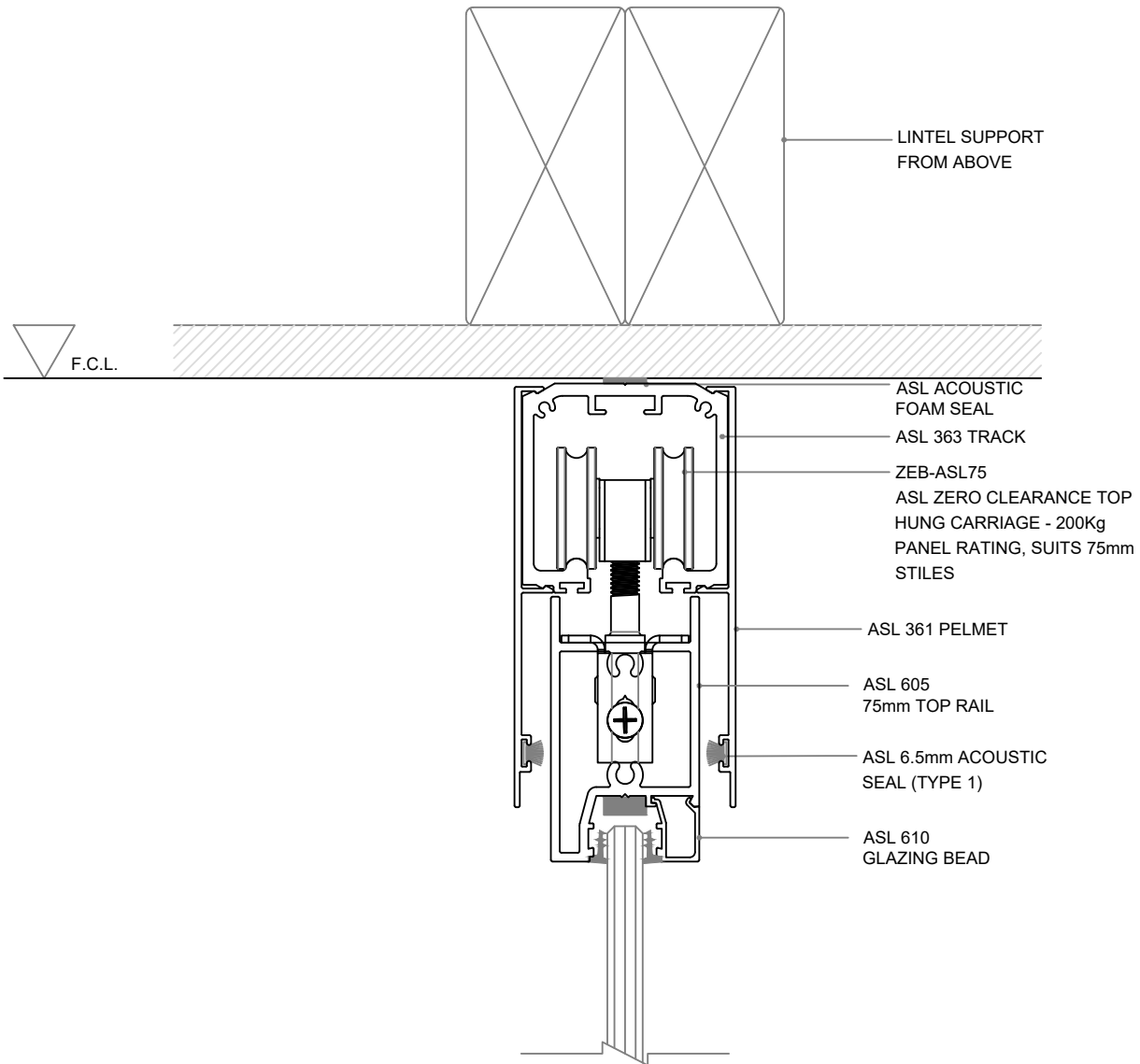
VERTICAL END WALL



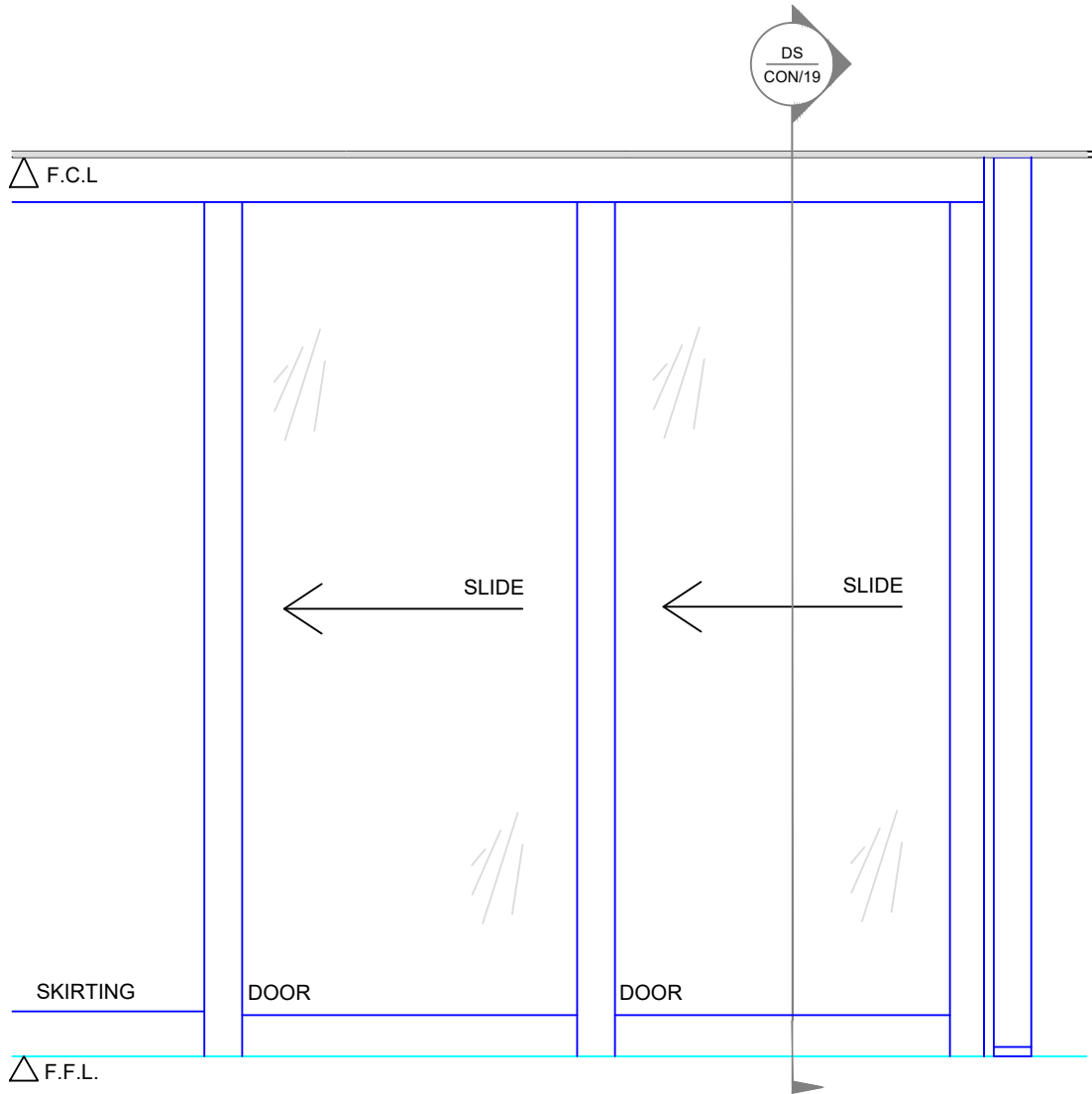
Standard Elevation - Single Sliding Door



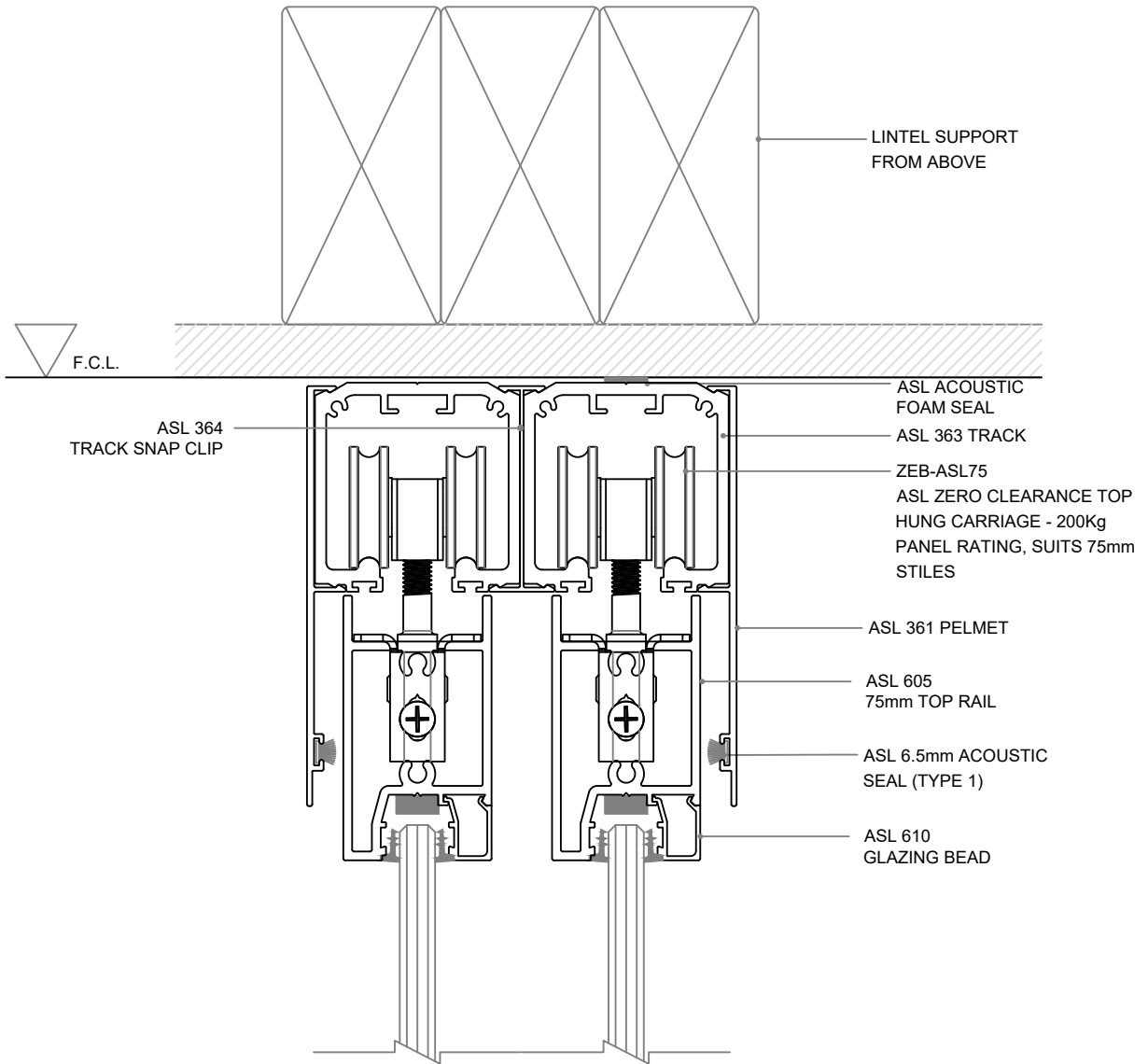
Standard Details - Single Sliding Door - Top Track



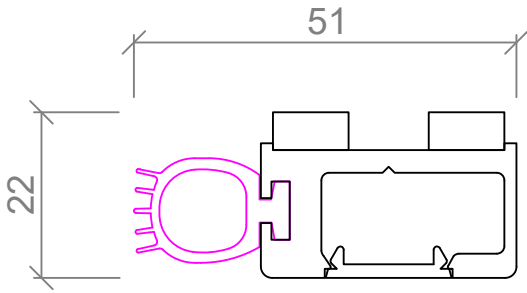
Standard Elevation - Double Sliding Door



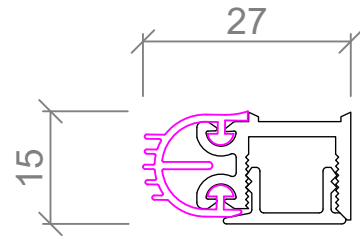
Standard Details - Double Sliding Door - Top Track



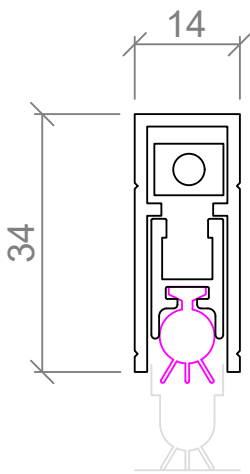
Acoustic Door Seal Options - Raven and inStop



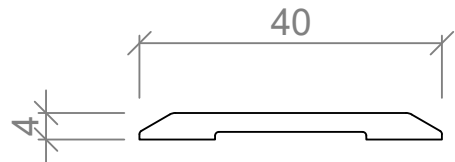
RP47 RP47Si



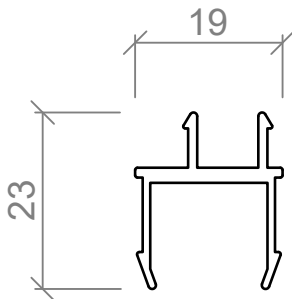
RP10 RP10Si



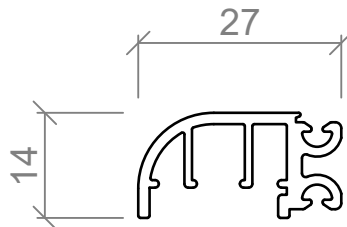
RP8 RP8Si



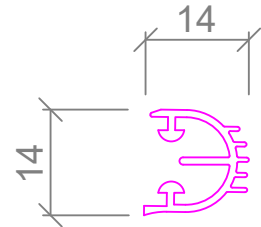
RP96 FLOOR PLATE



ASL 903
ADJUSTABLE DOOR
SEAL POCKET INFILL CLIP

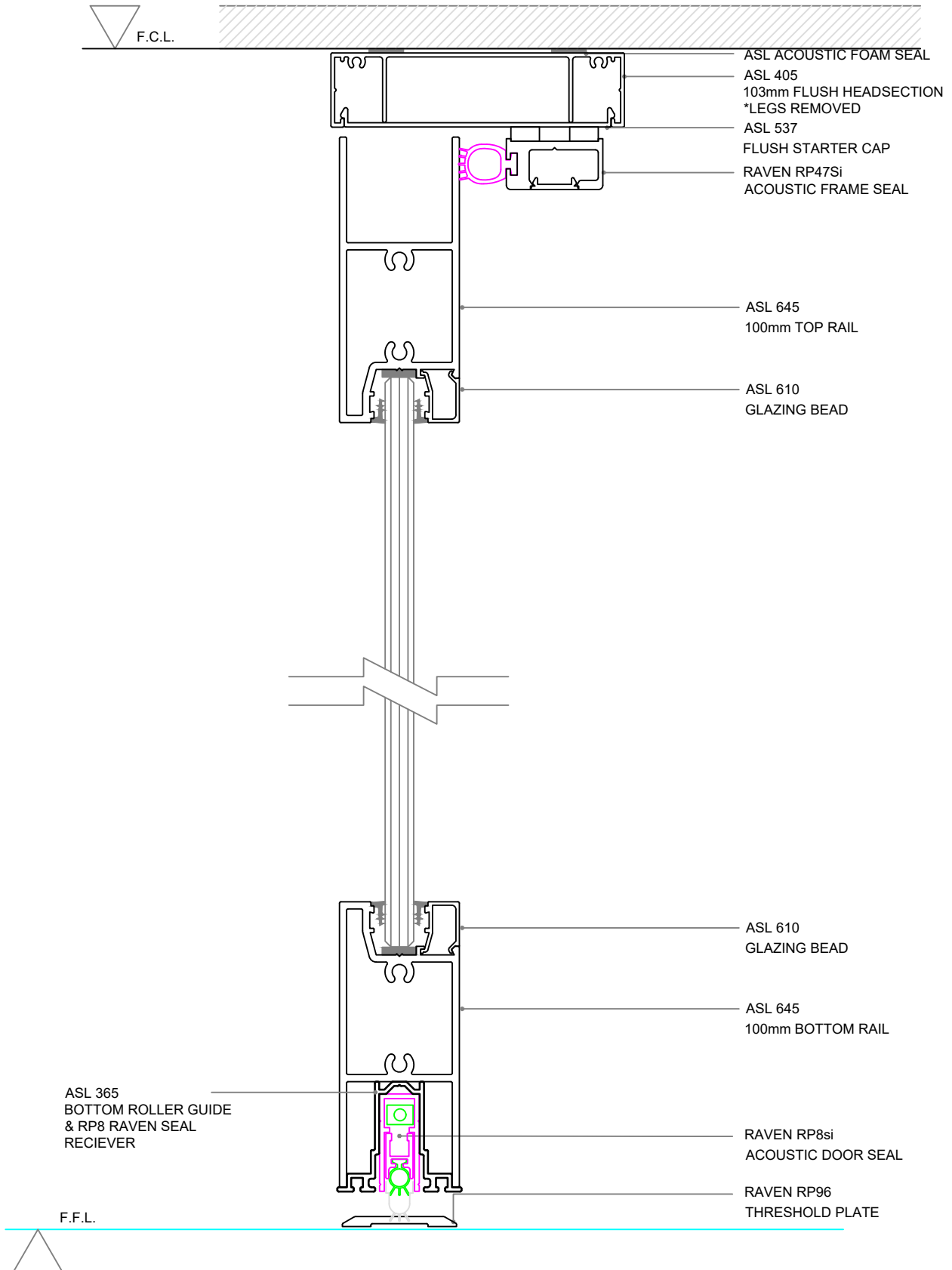


ASL 904
ADJUSTABLE DOOR
SEAL

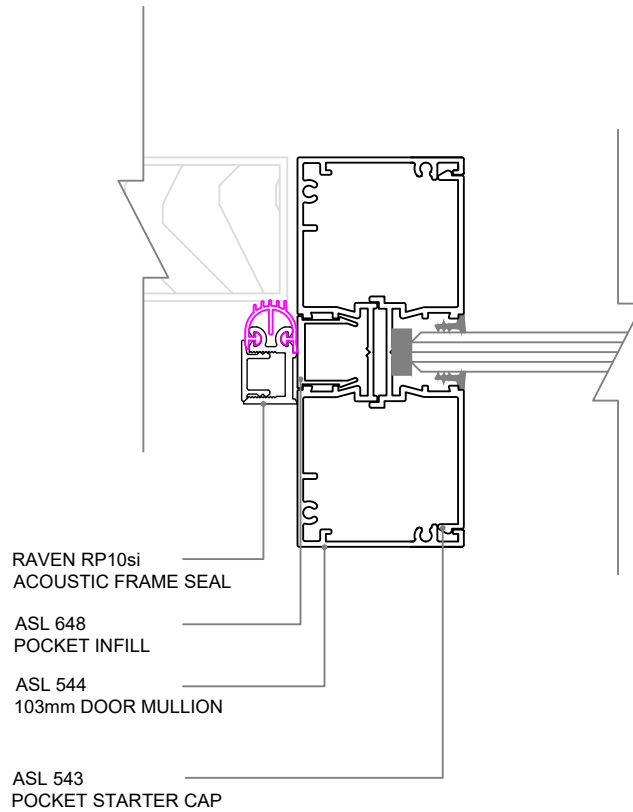
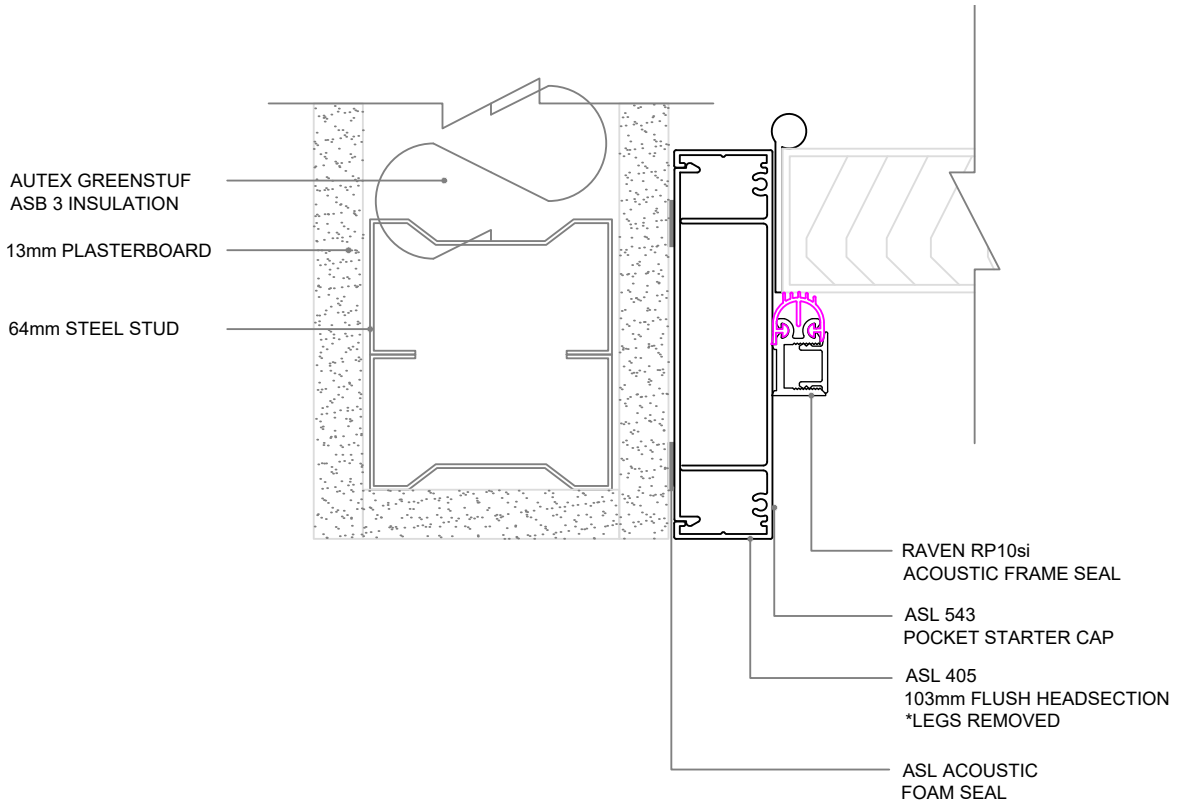


ASL RP310Si
RP310Si SILICON
RUBBER SEAL
(SUITS ASL 903)

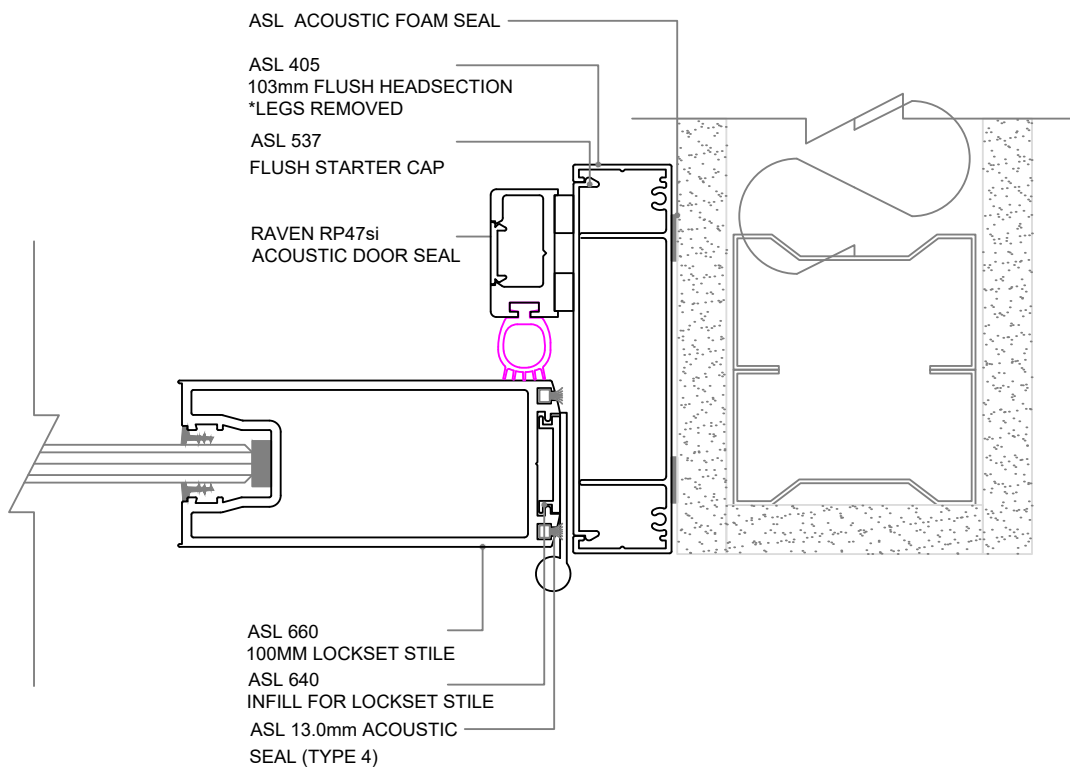
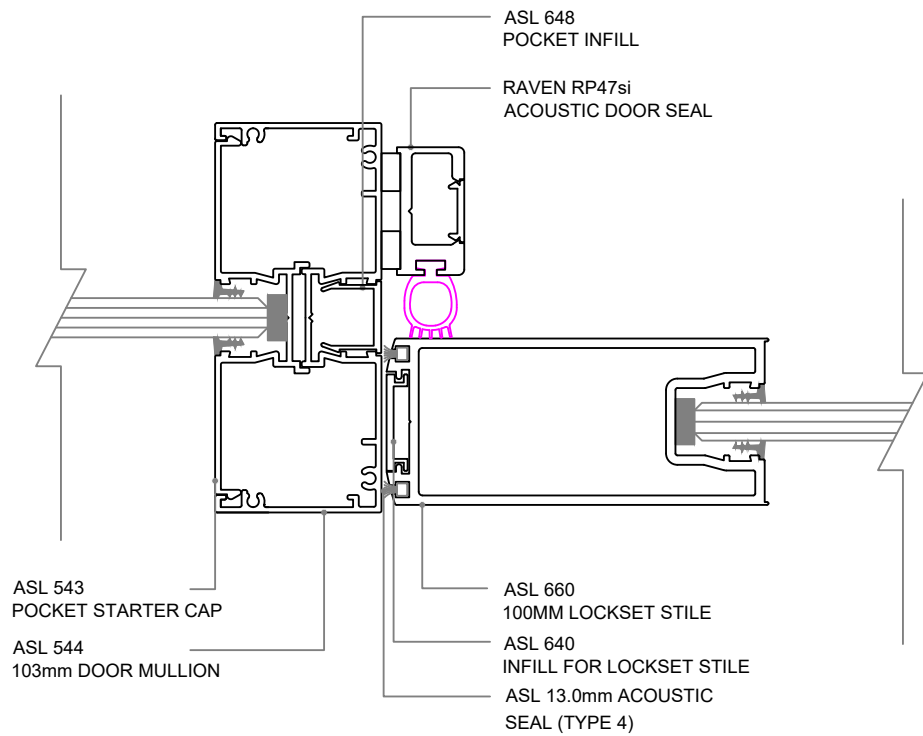
Acoustic Door Seal Options - Raven



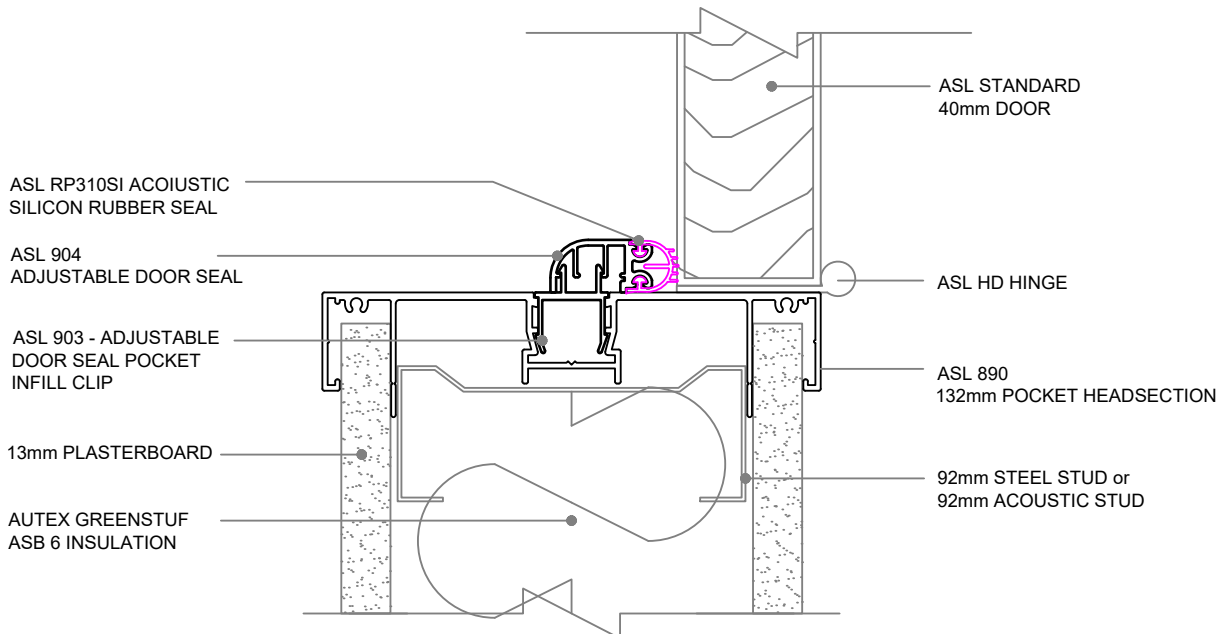
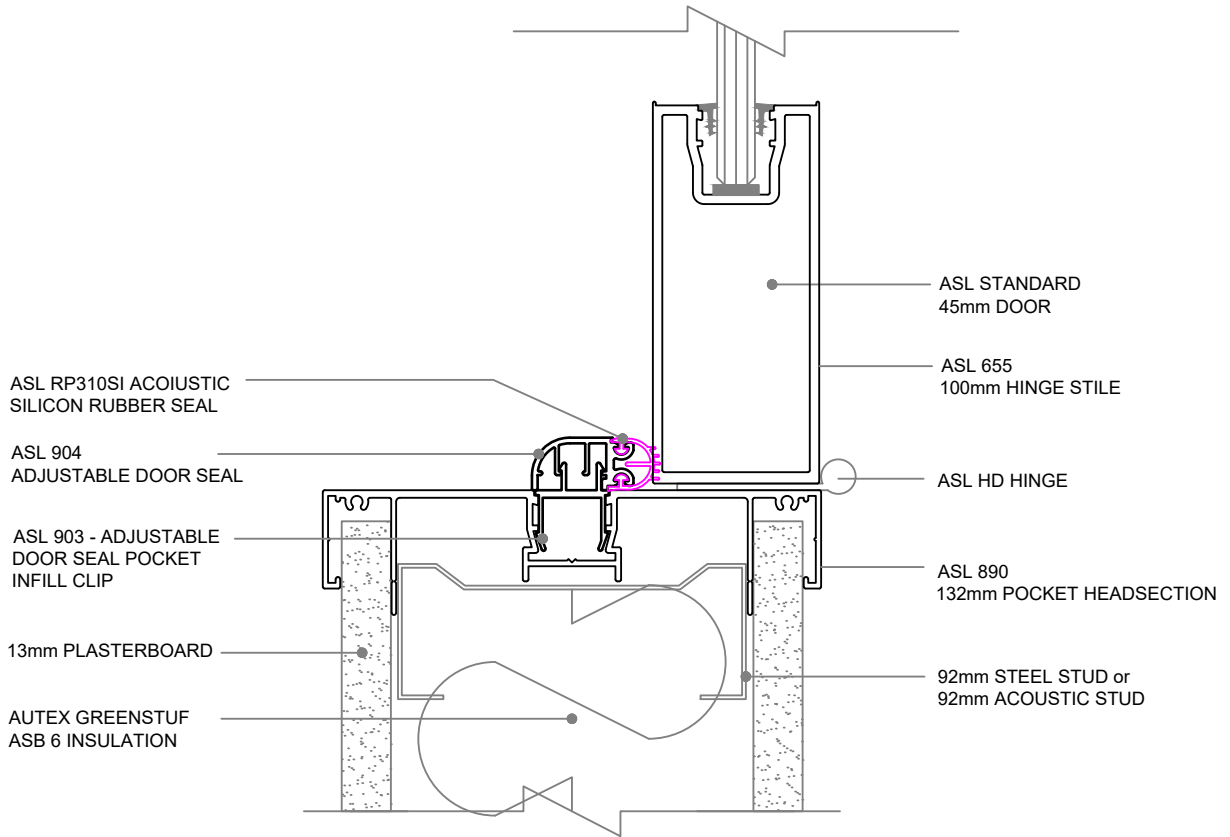
Acoustic Door Seal Options - Raven



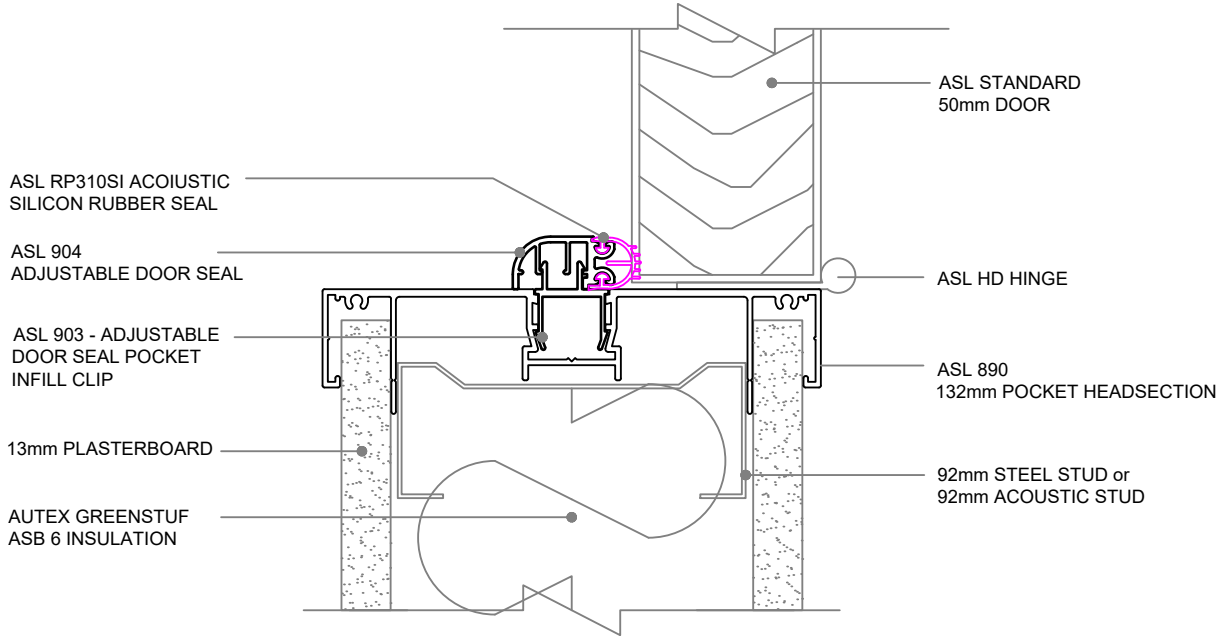
Acoustic Door Seal Options - Raven



Acoustic Door Seal Options
inStop SYSTEM



Acoustic Door Seal Options
inStop SYSTEM

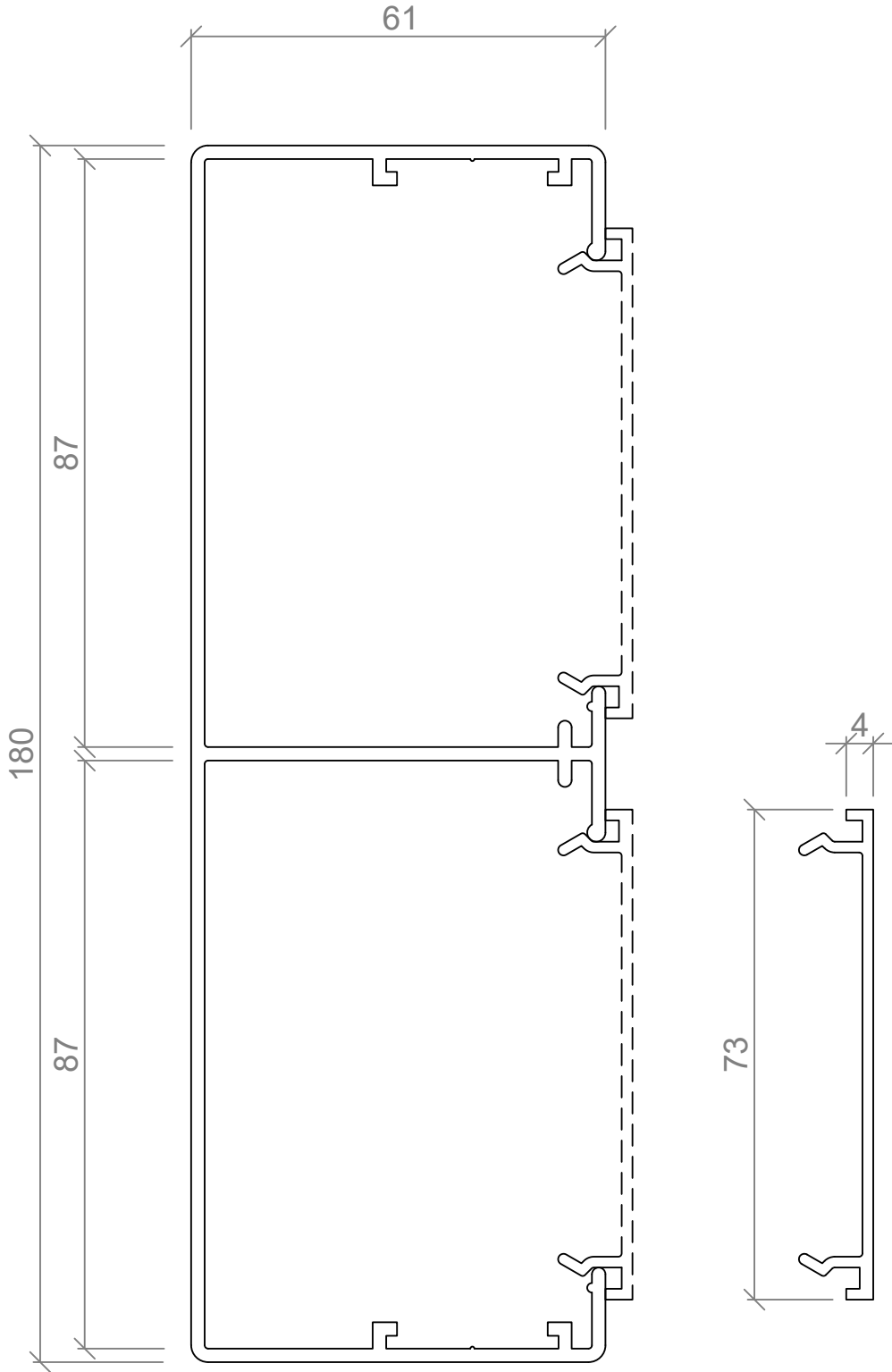


Trunking

An essential part of any office environment, Trunking provides the ideal solutions for power and data cable management. The separated cavities of our Trunking profiles provide perfect containment of cords with no interference.

- Power and Data cables separated
- Capacity, volume and bend radiuses comply with all applicable standards

Trunking - Twin Compartment



ASL 860
180mm 2 COMPARTMENT BACK

ASL 865
LID

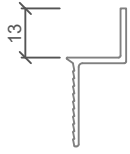
InStep

ASL's InStep series includes a range of negative detail trims and head sections that can add a special finishing touch to your next project. Our negative detail trims are easy to install and come in a number of sizes to ensure you can select the perfect fit for your next project. They can be used in any number of applications including the bottom and top of walls, ceilings, soffits, etc. These trims are only suitable for 13mm gib.

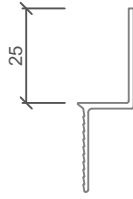
The negative detail head sections are available in 64, 92 and Multilayer Series with negative detail sizes of 13, 25, 40 and 80mm.

Details of these sections are included in the Series information.

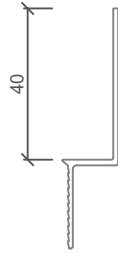
Standard Suite Profiles - For all Stud types and sizes



ASL 750
SINGLE SIDED BEAD
(13mm NEG. DETAIL)



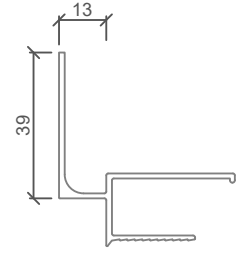
ASL 755
SINGLE SIDED BEAD
(25mm NEG. DETAIL)



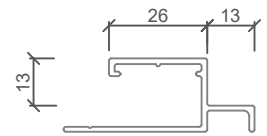
ASL 746
SINGLE SIDED BEAD
(40mm NEG. DETAIL)



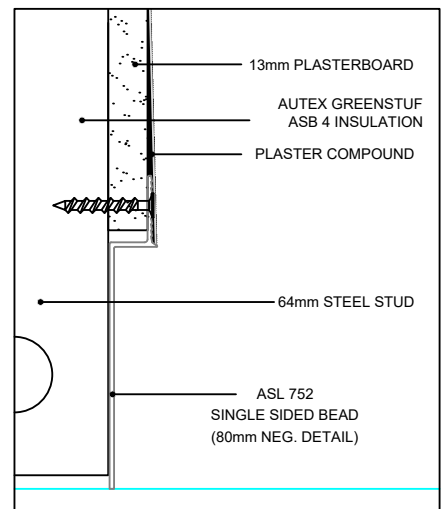
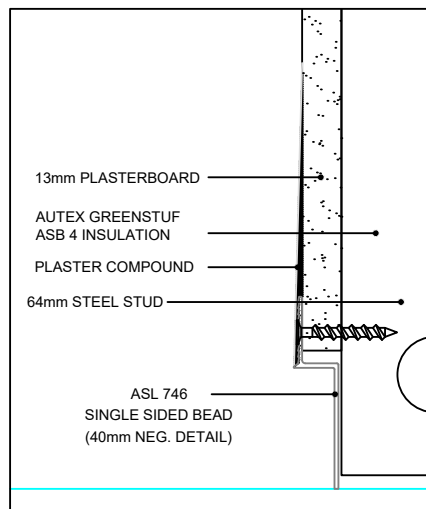
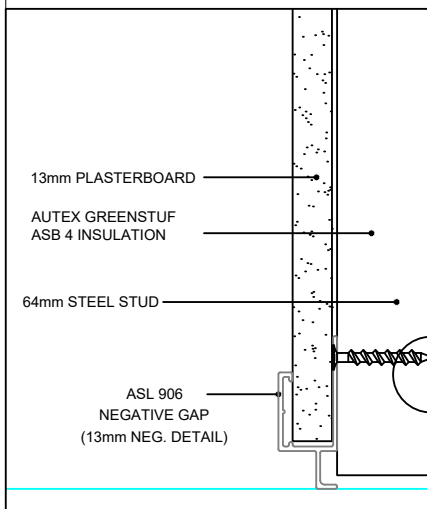
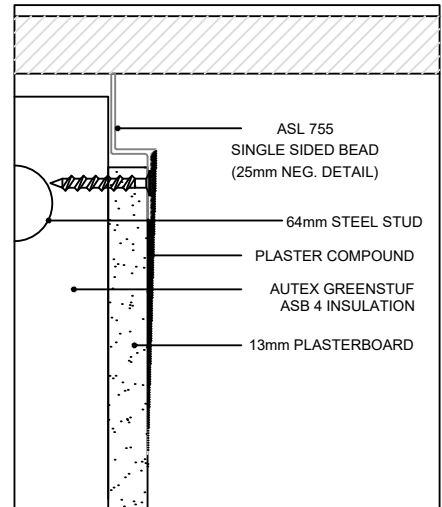
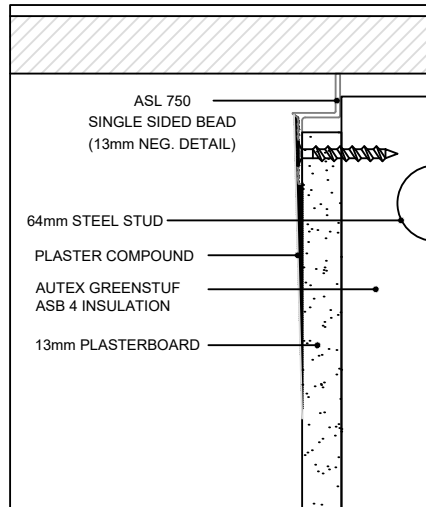
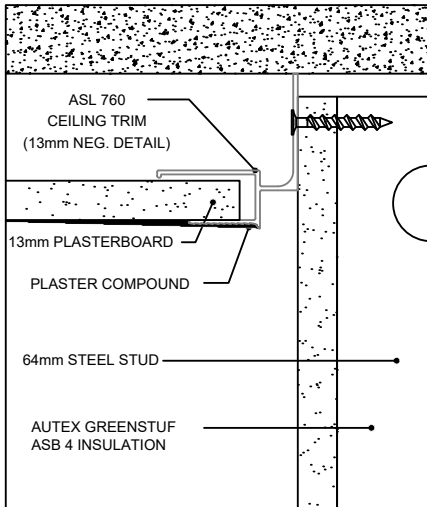
ASL 752
SINGLE SIDED BEAD
(80mm NEG. DETAIL)



ASL 760
CEILING TRIM (13mm NEG. DETAIL)



ASL 906
NEGATIVE CAP



Additional Resources

- Door Assembly Guide
- Glass Series
- Standard Powder coating colours
- TRACKLOK®
- Caring for your Aluminum

These installation instructions are of a general nature and designed to assist suitably experienced tradesmen assemble ASL Doors to a high standard. For installation support, contact your ASL Account Manager before you start.

MANUFACTURER'S DOCUMENTS

ASL recommends that all persons engaged in the assembly have full knowledge of the product and installation procedure as set out in the most recent edition of the manufacturer's instructions and related documents. Manufacturer's documents relating to work in this section are:

- ASL's Product Catalogue
- ASL's Design Guide
- ASL's Door Assembly Instructions
- ASL's Caring for Aluminium Guide

Copies of the above literature are available on request or from the ASL website. (www.aluminate.nz)

INSPECTION

Before starting assembly of ASL Doors, check again that the materials have been supplied as ordered and are free from damage or faults. Check colour and delivery docket to ensure product has been supplied correctly. Any variations must be reported to ASL prior to commencing the installation. No claims will be accepted where the job continues with obvious faults and no consultation with ASL has taken place.

TRANSPORTATION, STORAGE & HANDLING

ASL profiles must be transported, stored and handled with care. Avoid impacts or distortion and protect edges from being crushed. Do not accept damaged goods. If product arrives damaged note the condition on the freight documents and contact ASL immediately. Goods signed as receipted in 'good condition' will not be the responsibility of ASL. Always transport and store aluminium profiles on a flat, clean, dry surface.

CUTTING DOOR PROFILES

Measure door opening size (Height and Width) required. Make allowance for door sizing to 'fit' inside the opening (Recommended opening Height size minus 15mm, opening Width size minus 8mm). Ensure all blades are sharp and straight. Ensure all cuts are at 90 degrees to ensure square doors.

Cut Door Height (Stile) same as calculated door height (*Note - not opening size).

Cut Door Width (Top and Bottom Rails, also transoms if required). Width of Door - 150mm, 100mm or 75mm x 2 (Stile widths) + 2mm - Stile lip (Top/Bottom rail inserts into stile *unique to ASL doors) = Cut size. We recommend you "measure twice and cut once".

DOOR ASSEMBLY

ASL Doors should always be installed in accordance with these Install Instructions and as per the specification detail and customer requirements. If there is conflicting information, you must seek clarification from all appropriate parties before proceeding with the work. It is imperative that the installation is planned before cutting any product.

Use a small cut section of top/bottom rail as a template to drill holes through the stile. Starting from the outside of the stile use the template to measure the required pilot hole location, holes to be drilled in the center of the stile using a 9.5mm drill bit. Using the same template, drill through the glazing pocket on the stile using a 6mm drill bit. Place the fabrication block in the glazing channel in line with the drilled holes. On a clear bench or surface place the stile and rails square to each other and insert the bolts through the outside of the stile, in through the fabrication block and into the rail screw ports. You will require a long drill head to reach through the stile holes to tighten the bolt. Ideally prior to fitting of the bolt, tap out the rail screw port hole. Repeat on all corners (Transoms should be installed after one end of door is assembled). Install caps following fixing of all bolts.

Surface contamination should be cleaned immediately ensuring the ASL's Caring for Aluminium Guide instructions are followed.

CLEAN UP

Clean up as the work proceeds.

ON COMPLETION

Leave work to the standard required by following procedures. Clean surfaces of aluminium swarf. Remove any debris, unused materials and waste from site.

SERVICE

For more information contact your ASL Account Manager or visit our website.

Overview

Door Series

- Designed to fit with ASL systems
- Available in 44mm thick doors only
- Styles and rails sizes 75mm, 100mm, 125mm and 150mm
- Can accommodate glass thicknesses of 13mm thick laminated glass

Slider Series

Designed to fit with ASL aluminium systems, available in numerous configurations based around the 44mm door series.

Table 1. SAFETY GLAZING MAXIMUM AREA AND THICKNESS – For doors and sliders

Type of glass	Thickness Grade A	Maximum area m ²
Toughened safety glass	6mm	4.0
Toughened safety glass	8mm	6.0
Toughened safety glass	10mm	8.0
Toughened safety glass	12mm	10.0
Laminated safety glass	6mm	3.0
Laminated safety glass	8mm	5.0
Laminated safety glass	10mm	7.0
Laminated safety glass	12mm	9.0

Series 64

Series 64 provides an Edge, Centre and Acoustic (Double-glazed) glazed design with clean lines to provide a clean look to your aluminium joinery system.

Series 64 gives a standard detail of 103mm x 25mm.

Series 64 has the following features:

- Can accommodate glass thicknesses 6mm – 13mm
- Door thicknesses of 38mm – 50mm can be used
- Standard wall size based around 64mm steel stud with one layer of plaster board on each side.

Series 92

Series 92 also provides an Edge, Centre and Acoustic (Double-glazed) glazed design very similar to the Series 64 but utilising a wider frame.

Series 92 gives a standard detail of 132mm x 25mm.

Series 92 has the following features:

- Can accommodate glass thicknesses 6mm – 13mm
- Door thicknesses of 38mm – 50mm can be used
- Standard wall size based around 92mm steel stud with one layer of plaster board on each side.

Glass Options

For information on all glass types consult with Window & Glass Association NZ (WGANZ)
www.wganz.nz

Glass thickness

ASL aluminium systems can accommodate glass thickness ranges from 6mm – 13.00mm maximum for laminated glass.

For more information on glass thickness and compliance with New Zealand Building Code requirements, refer to the "Human Impact Safety Requirements S/B NZS4223 Part 3. 2016 found on the WGANZ website www.wganz.nz

Glass weight

In kg's – Area of glass m² (length x width) x thickness of the glass(m) x 2500kgs.

e.g. (12mm thick glass) 0.012m x 1.7m H x 0.5m W

$1.7 \times 0.5 = 0.85\text{m}^2$

$0.85 \times 0.012 = 0.0102\text{m}^3$

$0.0102 \times 2500 = 25.5\text{kgs}$

GLASS SOUND TRANSMISSION RATINGS

Single Glazed System

6mm Standard Float = 31 STC

6.38 Standard Laminate = 33 STC

6.76 Sound Reduction Laminate = 34 STC

8mm Standard Float = 33 STC

8.38 Standard Laminate = 34 STC

10mm Standard Float = 35 STC

10.38 Standard Laminate = 35 STC

10.76 Sound Reduction Laminate = 36 STC

12mm Standard Float = 36 STC

12.38 Standard Laminate = 37 STC

12.76 Sound Reduction Laminate = 38 STC

Twin Glazed System

50mm Air Space

10.38 Standard Laminate / 50mm Air Space / 12.38mm Standard Laminate = STC 45

(Estimated Performance by Saflex® SoundPro)

10.76 Sound Reduction Laminate / 50mm Air Space / 12.76 Sound Reduction Laminate = STC 50

(Estimated Performance by Saflex® SoundPro)

70mm Air Space

10.38 Standard Laminate / 70mm Air Space / 12.38mm Standard Laminate = STC 47

(Estimated Performance by Saflex® SoundPro)

10.76 Sound Reduction Laminate / 70mm Air Space / 12.76 Sound Reduction Laminate = STC 52

(Estimated Performance by Saflex® SoundPro)

GLASS TO METAL CONTACT

Glass to metal contact should be avoided on installations. This is for two reasons, to mitigate against thermal movement and to reduce sound transmission. Thermal movement created by the different expansion rates between glass and metal can cause breakage, particularly in annealed laminated glass. ASL aluminium systems utilise a double wedge system.

DESIGN GUIDELINES FOR GLAZED INTERIOR ALUMINIUM JOINERY

Interior aluminium joinery includes various framing systems that include infills such as glass and gibs. The glass systems incorporate gaskets, wedges and blocking similar to exterior aluminium joinery, but without the concerns of weather-tightness or regional wind loads, key considerations for external joinery. ASL's joinery is designed to support the glass under low internal pressures and human impact. (NZS 4223.3:2016 Glazing in buildings - Part 3: Human impact safety requirements)

Glass Standards

The New Zealand Building Code references Glazing in Buildings NZS 4223: Standard as an acceptable solution.

Glass design

Glass design for internal aluminium joinery is covered by NZS 4223 Part 3: 2016, Section 10. This section defines: area and glass thickness tables for:

- General - doors and side panels
- Fully Framed - Four edge support in other areas
- Partly Framed
- Unframed side edges
- Unframed top edge
- Other unframed glazing

WGANZ members can advise on the effect on glass thickness, type and cost of various framing types and spacing.

Framing

NZS 4223 Part 3: 2016 defines containment of glass in Section 2 and requires glass to be installed to meet the edge cover requirements.

For glass to be considered as framed minimum framing rigidity requirements are set out in Appendix 3.C of NZS 4223 Part 3: 1999. NZS 4223 Part 1: 2008 provides minimum glazing dimensions and minimum edge cover, the key data is abridged in Table 1.

Table 2. GLASS THICKNESS AND EDGE REQUIREMENTS

Glass thickness (mm)	Minimum edge cover	Minimum edge clearance	Total rebate depth
6	6	4	18
8	8	5	18
10	8	5	18
12	9	6	18

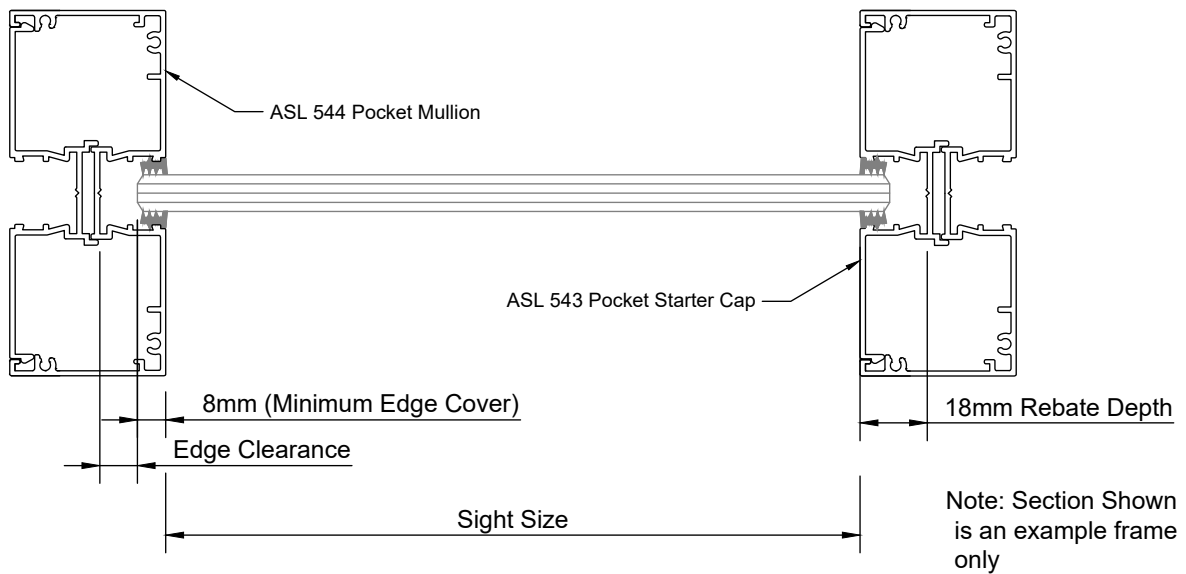
Aluminium joinery frame design

ASL aluminium joinery systems have removable beads and adequate (18mm) pocket depth to get both the edge cover and edge clearance required.

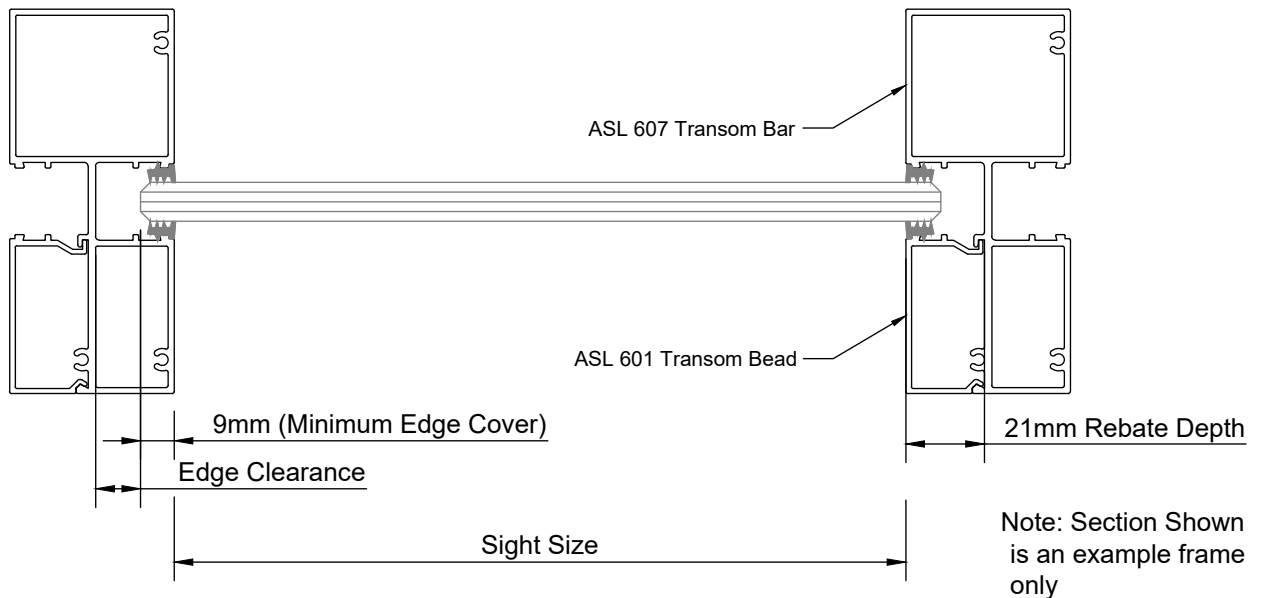
As illustrated in Detail 1 & 2 (below) the glass size cannot be more than the visible size plus the depth of one rebate, less a glazed clearance of 2mm-4mm (This depends on glass thickness, type, frame straightness and squareness). This glass is then centred in the frame when installed.

Therefore, an 18mm rebate will only allow a maximum edge cover of 7mm or 8mm (1/2 rebate depth minus 1/2 of clearance) with the maximum glass thickness derived from Table 2 (above).

Detail 1. Shuffle Glazing Tolerances



Detail 2. Bar and Bead Glazing Tolerances



Note: Edge cover is defined as full support for the glass. Glazing gasket/wedge extending beyond the pocket should not be considered as part of the edge cover.

Table 3. INTERIOR GLAZING FOR PARTITIONS AND SHOPFRONTS WITH UNFRAMED SIDE EDGES

Max height of glass (span) (mm)	Type of glass	Unlimited number of vertical sealed joints, glass panes, and pane width Minimum glass thickness (mm)	Three-edge support with one vertical sealed joint, maximum pane width of 1200 mm Minimum glass thickness (mm)
1600	Annealed	8	6
	Toughened	6	6
	Laminated	8	6
2400	Annealed	10	8
	Toughened	10	8
	Laminated	10	8
2600	Annealed	12	10
	Toughened	10	10
	Laminated	12	10
3000	Annealed	12	10
	Toughened	12	10
	Laminated	12	10
3200	Annealed	NA	NA
	Toughened	12	10
	Laminated	16	10
3600	Annealed	NA	NA
	Toughened	15	12
	Laminated	16	12
4000	Annealed	NA	NA
	Toughened	15	12
	Laminated	20	12
<p>NOTE –</p> <p>(1) Use specific design for heights above 4000 mm.</p> <p>(2) Adequate edge cover is required to retain the glass under load (Refer to section 4 of NZS 4223.1).</p> <p>(3) Glass design is based on ULS and SLS internal design wind pressures of 0.50 kPa and 0.36 kPa respectively.</p> <p>(4) Maximum deflection at SLS pressure is restricted to span/ 60, and 30 mm for three-edge support.</p> <p>(5) For design loads exceeding those in note 3, Table 5 may be used up to its limits.</p> <p>(6) Joints between glass panes are to be sealed with silicone.</p> <p>(7) For toughened laminated glass use the toughened glass limits.</p> <p>(8) NA = Not applicable.</p>			

Powder Coating

Standard Colour range

LSG MATT BRONCO

9152111M  DURALLOY®
9002111M  DURATEC®

LSG MATT DESERT SAND

9153065M  DURALLOY®
9003065M  DURATEC®

ARCTIC WHITE

91558851  DURALLOY®
90058851  DURATEC®

MATT APPLIANCE WHITE

9151274M  DURALLOY®
9001274M  DURATEC®

APPLIANCE WHITE

 91558853
 90058853

ARCTIC WHITE

 91558851
 90058851

METROPOLIS SILVER PEARL KINETIC®

9157113K  DURALLOY®
9007317K  DURATEC®

LSG MATT IRONSAND

9158096M  DURALLOY®
9008109M  DURATEC®

LSG MATT LIGNITE

9158033M  DURALLOY®

MATT SLATE BLUE

9155147M  DURALLOY®

MATT WEDGEWOOD

9155247M  DURALLOY®

LSG MATT NEW DENIM BLUE

9155063M  DURALLOY®
9005063M  DURATEC®

LSG MATT GREY FRIARS

 DURALLOY® 9157167M
 DURATEC® 9007167M

LSG MATT SANDSTONE GREY

 DURALLOY® 9157217M
 DURATEC® 9007217M

LSG MATT CHARCOAL

 DURALLOY® 9159058M
 DURATEC® 9009081M

LSG MATT BLACK

 DURALLOY® 9159041M
 DURATEC® 90097181

SATIN BLACK

91558651  DURALLOY®

LSG MATT KARAKA

 DURALLOY® 9156064M

MATT TRANSFORMER GREY

 DURALLOY® 9157548M

MATT GHOST GREY

 DURALLOY® 9157401M

MATT GULL GREY

 DURALLOY® 9157511M

LSG MATT TITANIA

 DURALLOY® 9152068M
 DURATEC® 9002068M

LSG MATT CANVAS CLOTH

 DURALLOY® 9157327M
 DURATEC® 9007327M



PLEASE NOTE

Our standard colour range covers the Duralloy® finish for the listed colours, however some colours are available in Duratec® at additional cost.

Duralloy® is a tough thermosetting powder coating that exhibits decorative and durable characteristics suitable for a broad range of interior and exterior product applications where excellent overall performance is required. For more information contact your ASL account manager.

Seismic Wall Bracing

The TRACKLOK® suite of bracing products have been designed, tested and internationally accredited to seismically secure part height partition walls in commercial interiors.

Architects, Engineers and Construction Professionals benefit from these pre-engineered, cost effective and consistent seismic bracing solutions.

The TRACKLOK® range:

TRACKLOK®	For new builds, connect directly to the partition head, starter or glazing pocket.
TRACKLOK® RETRO	Enables retroactive installation to provide sequencing benefits.
TRACKLOK® TIMBA	Enables installation to timber top plates.
TRACKLOK® VERT	Allows for vertical bracing options to mitigate service clashes. Available in RETRO, TIMBA and DEFLOK® configurations.
TRACKLOK® FLAT	Allows for unlimited vertical deflection and mitigates service clashes. Available in RETRO and TIMBA configurations.
DEFLOK® RETRO/ TIMBA	Allows for +/- 35mm of vertical deflection. Straight swap in / swap out for TRACKLOK® units. Available in VERT configuration.

Compliance:

- Complies with NZ Building Code Clause B1-Structure
- Complies with NZ Building Code Clause B2-Durability
- Contributes to compliance with NZ Building Code Clause F6 – Visibility in Escape Routes and Clause D1 – Access Routes.

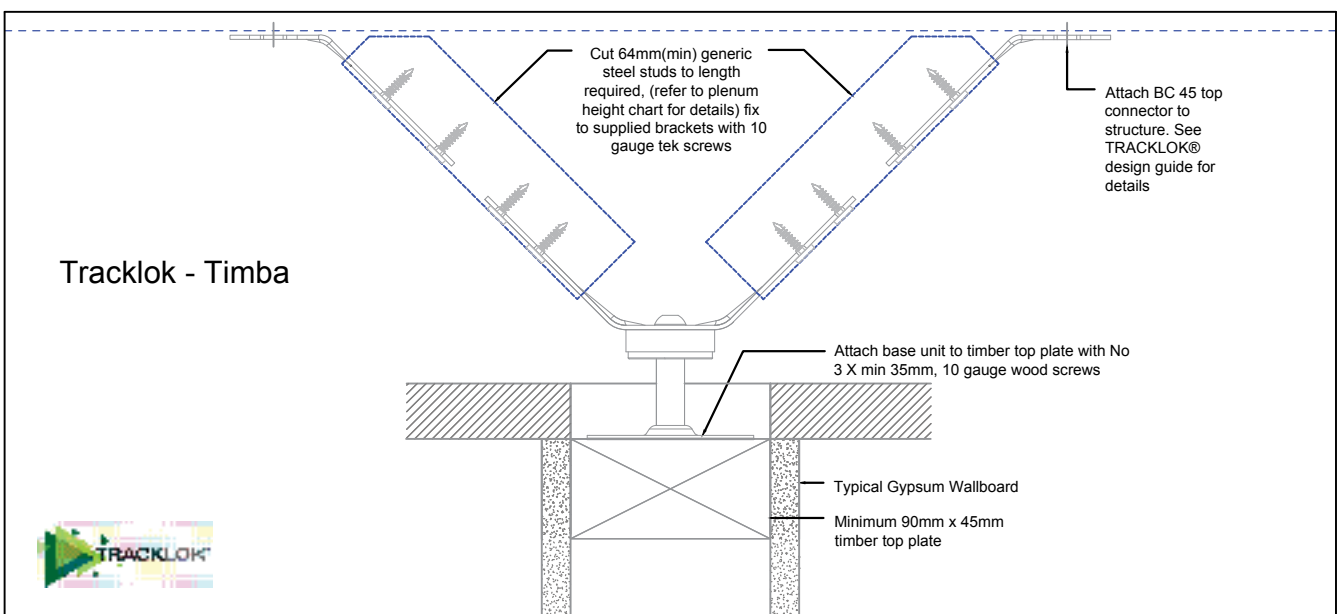
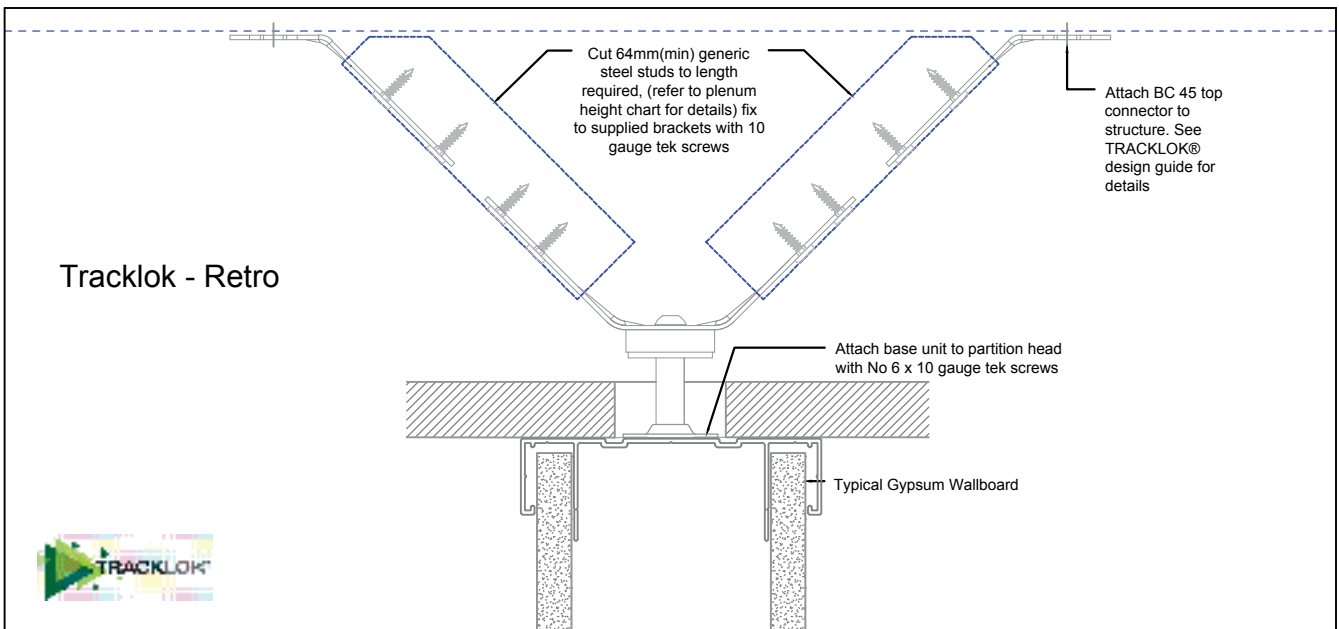
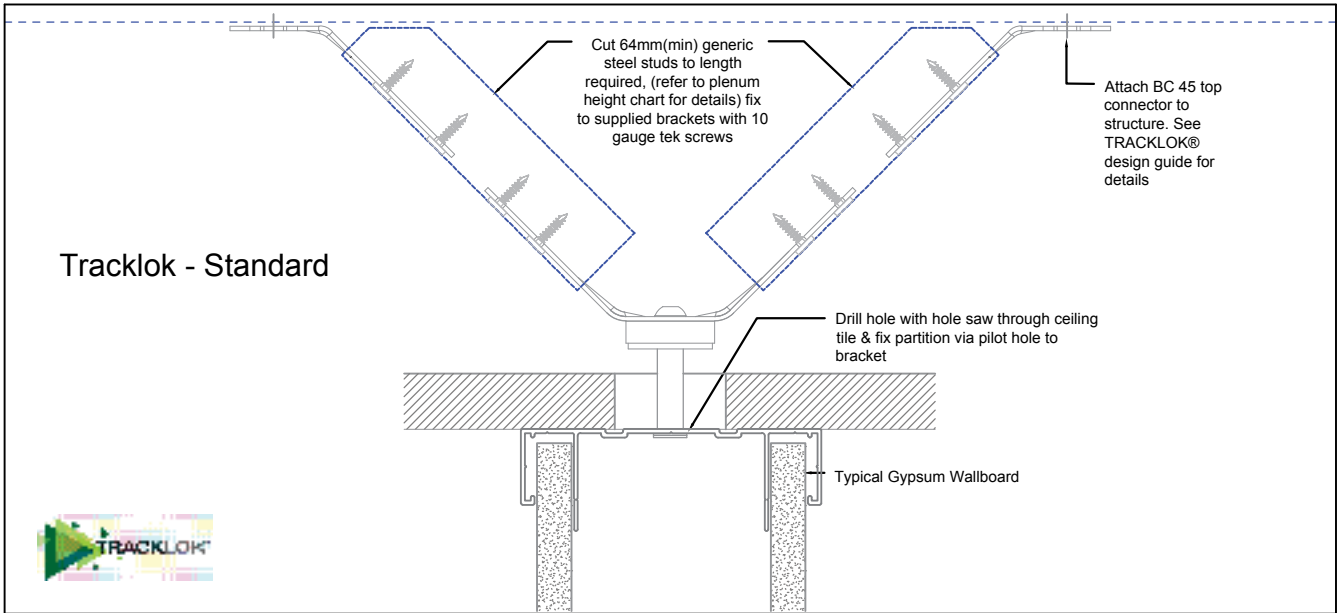
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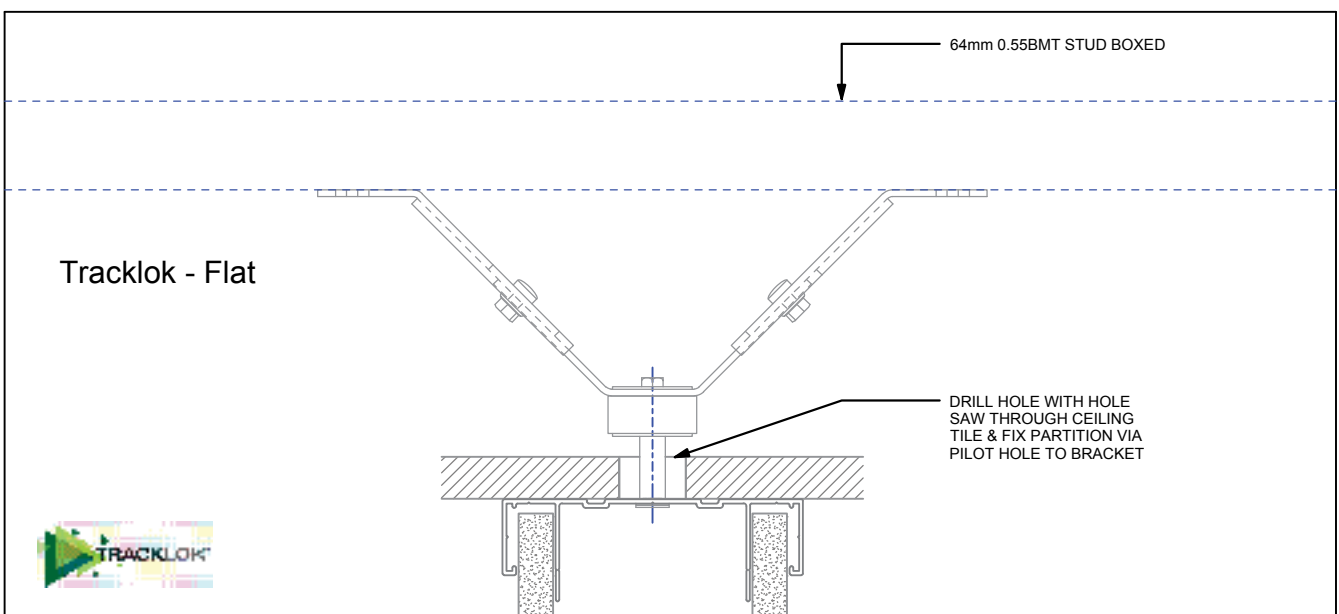
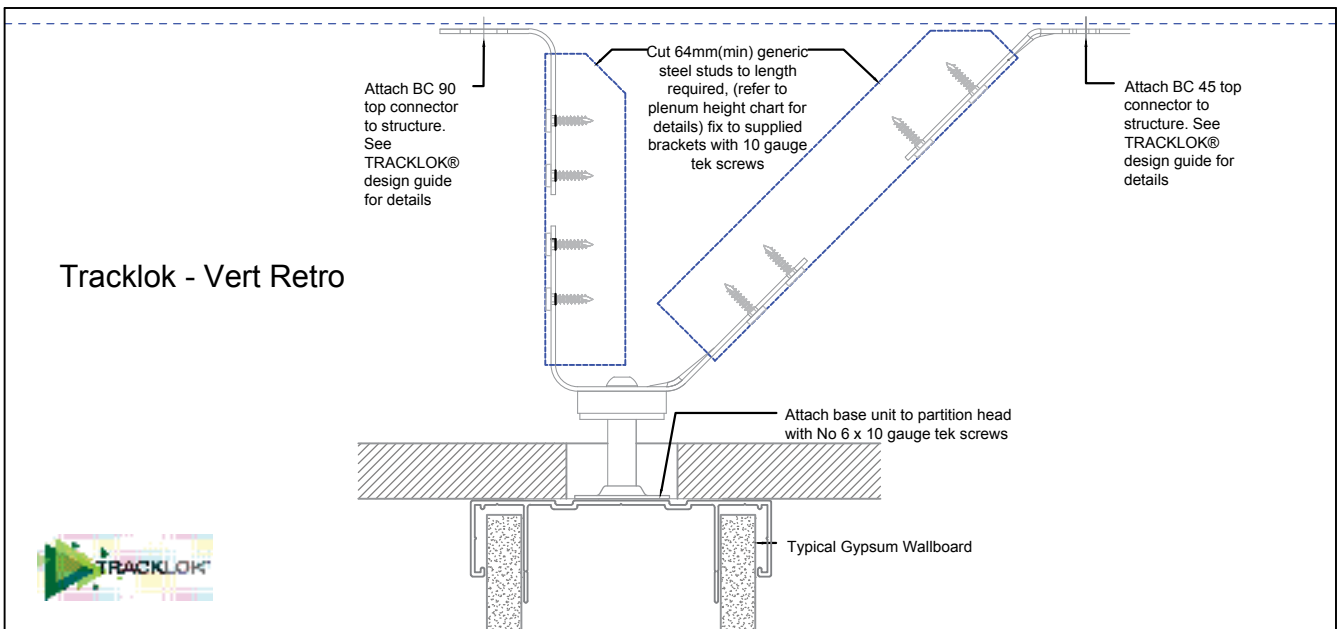
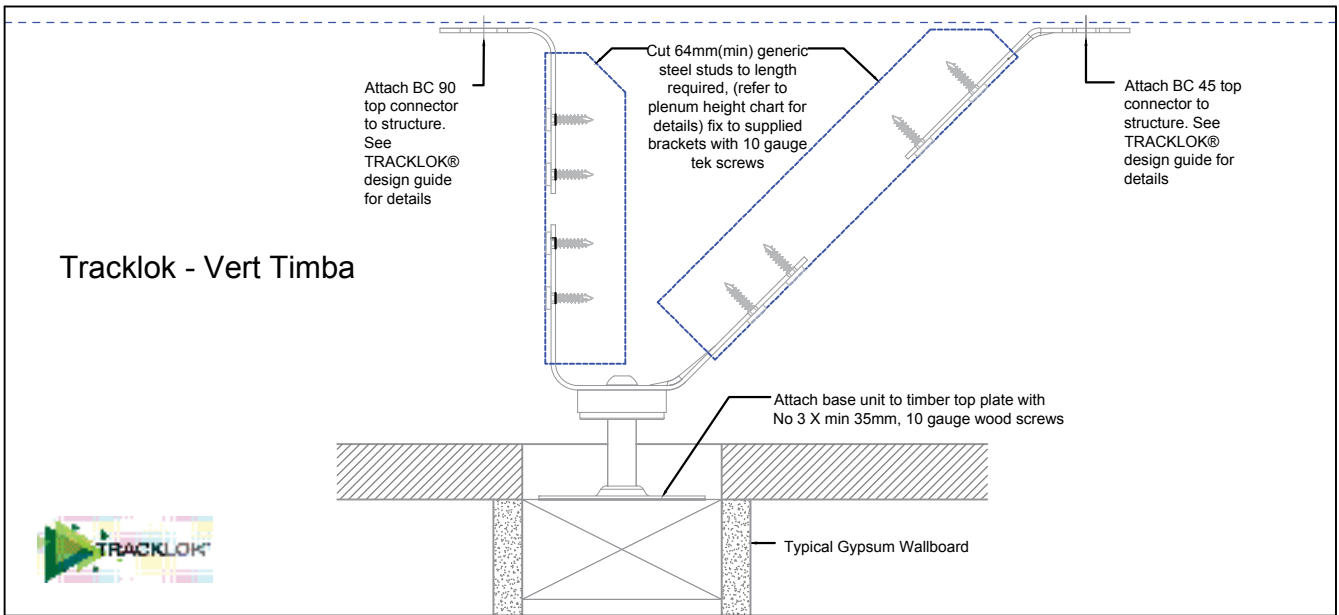
- Importance Level 2, 3 and 4 Buildings
- Hospitals
- Commercial Interiors
- Schools

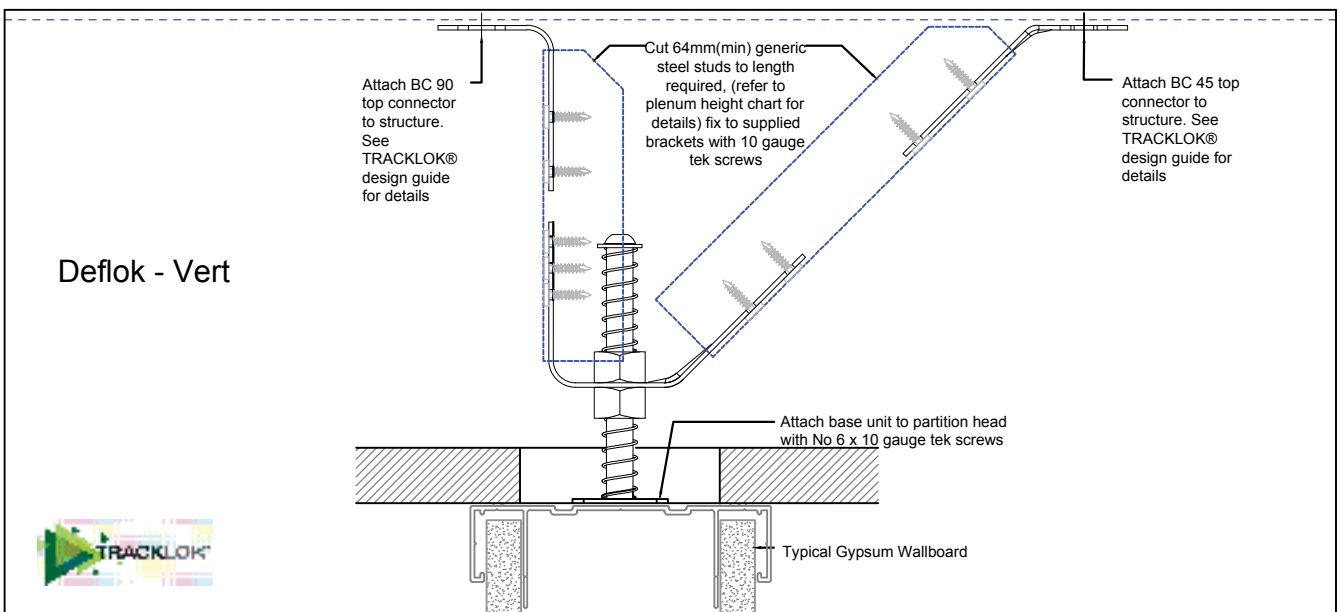
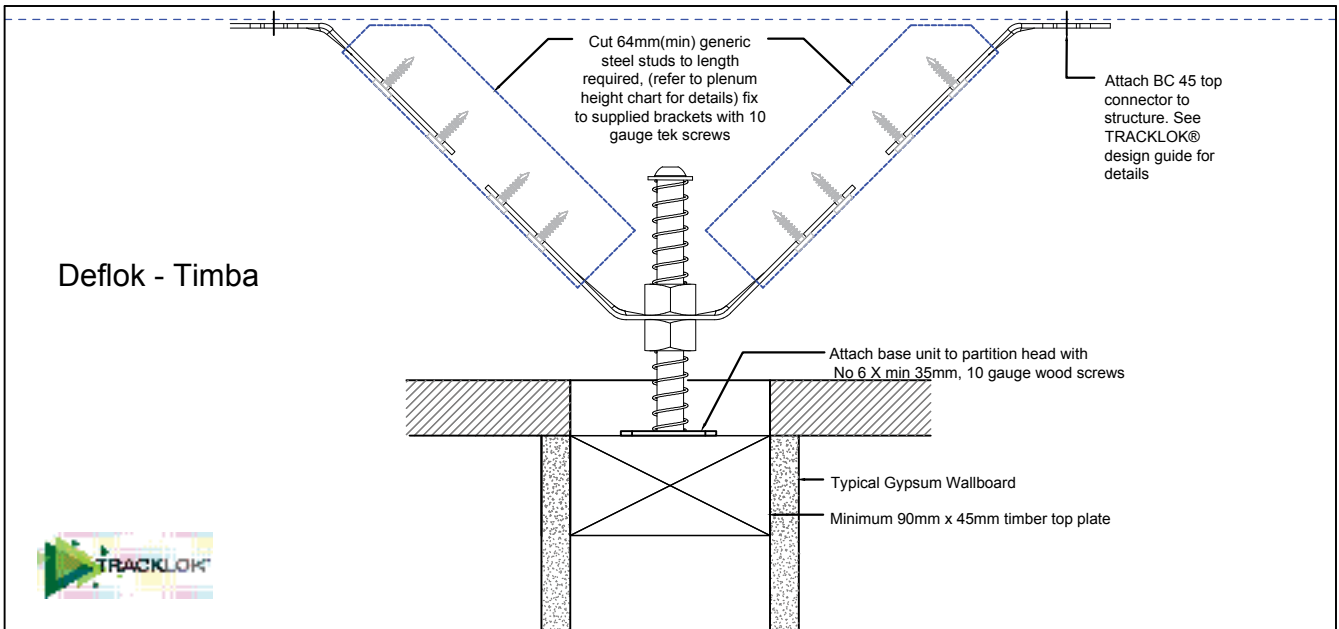
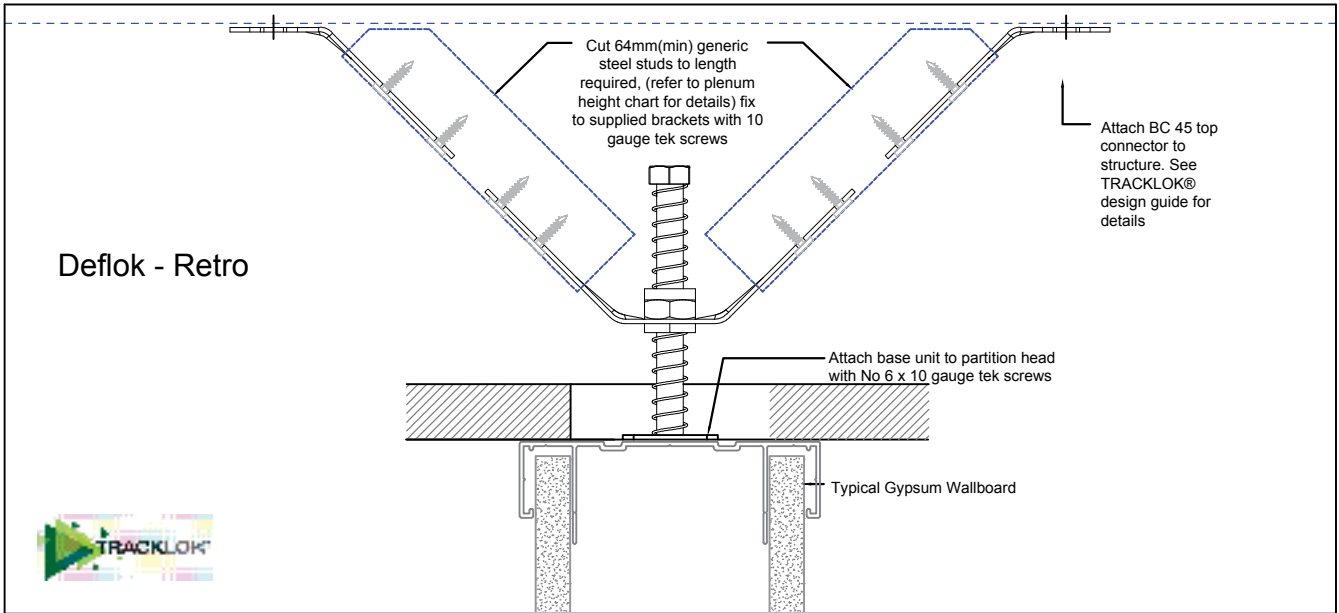
For a FREE plan markup please use the online form <http://www.tracklok.com/plan-mark-up>

For all installation details and limitations, plus a range of support documents and drawing files please visit <http://www.tracklok.com/downloads>

Please visit <http://www.tracklok.com/downloads> for a copy of the TRACKLOK® Seismic Bracing Guide for Partitions and Ceilings.







Caring for your Aluminium

POWDER COATED PRODUCTS:

Many products are powder coated both to protect and to beautify the article. These powder coated articles can include such diverse products as your window joinery, entrance or garage doors, letterboxes, meter boxes, lawn mowers, plant pots and many other every day items.

To extend the life of powder coated products and to comply with warranty requirements for powder coated aluminium joinery, a simple, regular maintenance program should be implemented. The effects of ultra violet light, atmospheric pollution, dirt, grime and airborne salt deposits can all accumulate over time and should be removed at regular intervals.

As a general rule cleaning should take place every six months. In areas where pollutants are more prevalent, such as coastal areas and industrial or geothermal areas, then a cleaning program should be carried out on a more frequent basis i.e. every one to three months.

THREE STEPS TO CLEANING YOUR POWDER COATING:

1. Carefully remove any loose surface deposits with a wet sponge.
2. Use a soft brush (non-abrasive) and a mild household detergent (do not use solvents) in warm water, remove dust, salt and other deposits.
3. Rinse off with clean fresh water.

RESTORING WEATHERED OR SCRATCHED SURFACES:

If through some misadventure your powder coated aluminium joinery is scratched or damaged, don't panic Dulux Powder & Industrial Coatings colour Repair Kits are available in all colour card colours.

Spray cans make easy aesthetic repairs to scuffed or scratched powder coated surfaces. Weathered areas or mild scratches can also be restored with the use of Dulux Gloss Up which is a light to medium cutting cream ideally suited for gloss restoration and has been specifically designed for this purpose.

THE GOLDEN RULES FOR PROTECTING YOUR ALUMINIUM:

- Please mask your joinery when building, renovating, plastering or painting.
- If paint splatters or sealants do get on joinery, do not allow to dry, remove immediately.
- DO NOT use turpentine, white spirits, thinners, citrus based cleaners or other aggressive solvents on powder coating (these may be harmful to the extended life of the powder coated surface and should be avoided as the damage may not be visible immediately and may take up to twelve months to appear) affect painted finishes.
- DO use isopropyl alcohol or Methylated spirits and rinse with warm soapy water.
- DO clean only when powder coated surface temperature is below 25 C°.
- DO NOT rub powder coating excessively, especially metallic finishes.
- DO use approved tapes only to mask joinery.
- Use masking tapes in accordance with manufacturer's instruction.

IMPORTANT FOR ALL TRADES:

This valuable aluminium joinery will suffer permanent damage from: plaster, mortar and paint splashes - Protect if splashes occur - Immediately wash down the joinery with water or meths - Do not allow splashes to harden - Do not use solvents!

ANODISED PRODUCTS:

The life of an anodised finish can be greatly enhanced by the adoption of a regular documented maintenance programme. Any chemical attack on decorative surfaces which is not regularly cleaned becomes increasingly severe and after several years, may be impossible to restore. A regular cleaning and maintenance regime is essential for two very good reasons:

- To maintain a decorative appearance and to reduce any chemical attack, if applicable
- Anodised surfaces are cleaned to remove dirt, grime, grit, atmospheric pollutants and iridescence.

Caring for your Aluminium

Initial cleaning should occur after installation, to remove atmospheric dust, smut, deposits of dirt, possible Cement deposits, glues, etc. from the anodised surface. Periodic cleaning that should be done on a regular basis. The intervals of each cleaning cycle are dependent on the atmospheric pollutants, area, region, corrosive level, etc. for a particular region. i.e. coastal areas

WHAT YOU SHOULD DO:

- Protect exposed Aluminium surfaces until all wet trades etc. have been completed.
- Any cement or acid should be removed as soon as practical. This will prevent any chemical attack.
- When cleaning, wash down all surfaces with a neutral detergent and rinse thoroughly.
- Remove awkward deposits on ANODISED aluminium, with a suitable nylon abrasive cleaning pad or brush, plus neutral detergent, and then rinse.
- The use of an Anodising sanding rubber is also recommended where appropriate, please consult your ASL Representative for more information.
- To clean long neglected areas it is advisable to use proprietary cleaners specifically formulated for aluminium surfaces. These products contain residual waxes etc. and can substantially improve the appearance of worn or weathered surfaces.

WHAT YOU SHOULD NEVER DO:

- Use of wire brushes, steel wool, and emery paper are NOT recommended under any circumstances.
- Avoid mechanical damage from scaffolding, site handling, mechanical impact etc.
- Do NOT allow strong acids such as Hydrochloric, Acetic etc. to come into contact with anodised aluminium.
- Do NOT allow mortar or mortar cleaning chemicals to come into contact with anodised surfaces.
- Do NOT allow strong alkalis such as caustic soda, lime etc. to come into contact with anodised aluminium.
- Do NOT allow Brass or Copper to come into direct contact or close proximity to Anodised Aluminium.

ONSITE HANDLING:

Ensure that the aluminium is properly protected with interleaved wrapping in paper or plastic and ensure that the wrapping does not get damp during storage. To ensure that the anodised coating is not attacked by corrosive chemicals, a temporary protective coating can be applied in the form of a suitable non-yellowing lacquer, e.g. methyl methacrylate or cellulose acetate butyrate, or a strippable coating or tape (polyethylene) is recommended. Tape and strippable coatings should be easily removable and should not leave residues.

The image shows a modern office environment. In the foreground, there are teal-colored acoustic panels with a geometric, triangular pattern. To the right, a glass-walled meeting room is visible, containing a table and chairs. The ceiling features recessed lighting. The background shows a large window with a view of trees and a sky with a blue and white pattern.

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