slidetec
By Louvretec

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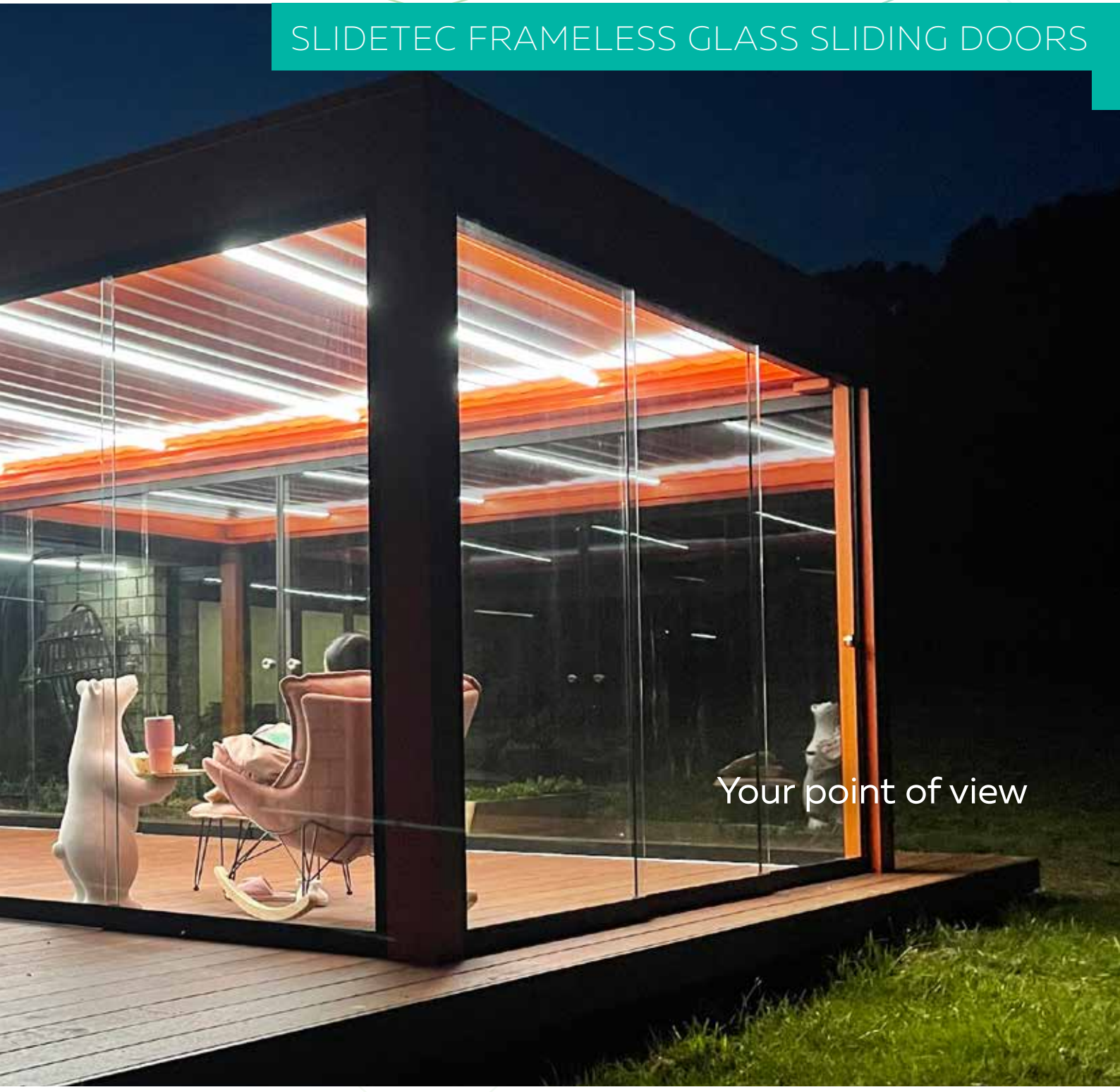
SLIDETEC FRAMELESS GLASS SLIDING DOORS



SLIDETEC GALLERY


1.


2.


3.


4.

1. SLIDETEC FRAMELESS GLASS DOORS OPENED 2. SLIDETEC FRAMELESS GLASS DOORS CLOSING IN THE SIDES OF OUTDOOR ROOMS AT A RETIREMENT VILLAGE
3. SLIDETEC FRAMELESS GLASS DOORS OPENED 4. CREATE A CONNECTION

5. SLIDETEC FRAMELESS GLASS DOORS CLOSING 6. SLIDETEC FRAMELESS GLASS DOORS & FIXED RAKING PANEL 7. SLIDETEC HANDLE

8. SLIDETEC FRAMELESS GLASS CREATING AN OUTDOOR ROOM

SLIDETEC GLASS DOORS & WINDOWS & FIXED PANELS

A freshly designed range of engineered sliding & fixed glazed options.

Slidetec Frameless Glass Sliding Doors & Windows, along with Slidetec Fixed Glazing Panels offer a freshly designed range of engineered sliding and fixed glazed options.

Specifically designed for the closing in of outdoor spaces. Ideal as sliding wall infills for your Louvretec room, or simply for closing off any outdoor deck space.

1. Slidetec ST10 & ST12 Frameless Glass Sliding Doors

Available in 10mm & 12mm toughened glass Slidetec has been designed to meet the rigors and demands of Australian and New Zealand climatic conditions.

The sliding systems have been considerably upgraded to meet these demands, with new extrusions, and heavy duty adjustable stainless-steel ball bearing mounted sliding carriages.

Simple, clean functional lines offering clear view and wonderful protection from the elements.

2. Slidetec Glazed Fixed Panels

Available in 6mm or 8mm toughened glass, Slidetec fixed panels are designed to complement and enhance the Slidetec sliding door range.

Ideal as overhead fixed panels if overall height exceeds sliding door design specifications.

Can also be used as conventional glazed fixed panels if sliding access is not required.

Enhance your outdoor space

Enhance and enjoy your outdoor spaces protected from the weather without compromising your view.

Close up snug for wet days, open wide for cooling breezes. Enjoy the best of whatever the weather has on offer.

SLIDETEC FRAMELESS GLASS SLIDING DOORS

SLIDETEC FRAMELESS GLASS SLIDING SHUTTERS

SLIDETEC GLAZED FIXED PANEL

SLIDETEC FRAMELESS GLASS SLIDING DOORS BRINGING POOLSIDE COMFORT

SLIDETEC 3 PANEL FRAMELESS GLASS SLIDING DOOR

1. SLIDETEC ST10 & ST12 FRAMELESS GLASS SLIDING DOORS & WINDOWS

Close in the sides of an outdoor area

Slidetec Frameless Glass Sliding systems have been specifically designed for the closing in of outdoor areas.

The frameless design ensures maximum view with clean, uninterrupted lines. Designs such as these are only suitable for closing in outdoor areas and can not be used as house joinery.

Key features

- A wide range of panel configurations. Refer to page 5.09
- Floor mounted sliding system
- Standard and rebated bottom track options available.
- Has 3, 4 or 5 track sliding options giving a range of panel choices
- Slides to the left or right as desired
- System is easy to use, with pick up blocks to ensure easy following function when closing the panels
- Stainless steel pull handle rebated into glass standard
- Optional locking with easy to use Foot Lock
- Glazing with 10mm or 12mm toughened glass
- Silver anodised bottom rail to enhance smooth gliding function of stainless steel bearing bottom rollers
- Powder coat finish of your choice

DIFFERENT CONFIGURATIONS & COMBINATIONS

Slidetec systems are extremely versatile

While appearing both simple and minimal in design, Slidetec has been designed to meet a wide range of varied applications.

Please familiarise yourself with the design options and combinations available.

Standard panels

- Panels range in sets from 2 glass panels to 10 glass panels
- Panels sliding in one direction are the most typically specified
- Panels may also meet-in-the-middle (MIM), installation details being the same for both options

Tracks

- Track options vary between 3 track, 4 track and 5 track
- Tracks are available standard, flush or recessed

Glass options

- Sliding doors and windows are available in 10mm & 12mm toughened glass, determined by wind and glass size
- Fixed Panels are available in 6mm & 8mm toughened glass

Locking

- Doors are easily locked from the inside with Louvretec's new Foot Lock
- This is an options, please specify if required
- A 58mm round stainless steel door pull is standard

Full installation details

- A fully illustrated step by step Slidetec Installation Manual is available.

SLIDETEC 5 PANEL TRACK

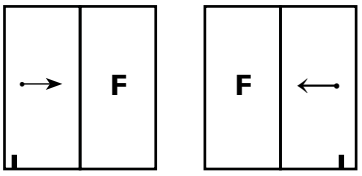
10MM OR 12MM TOUGHENED GLASS

FOOT LOCK

NOTE: TYPICAL STANDARD CONFIGURATIONS ARE SHOWN. CONTACT LOUVRETEC FOR CUSTOM VARIATIONS. PLEASE INDICATE WHEN MEASURING IF VIEWED FROM OUTSIDE OR INSIDE.

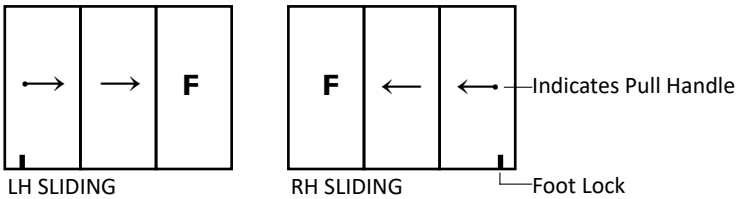
NOTE: WHEN INDICATION INCLUSION OF FOOTLOCK PLEASE SHOW AS DRAWN FROM INSIDE.

2 PANEL: USE 3 TRACK



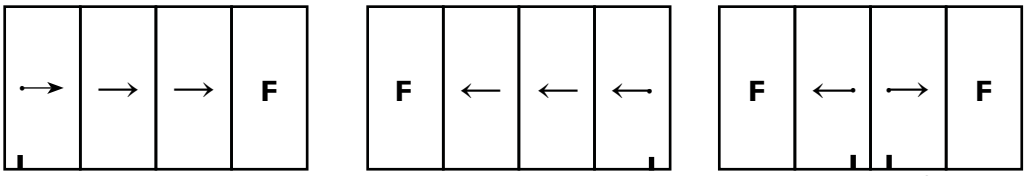
LH SLIDING RH SLIDING

3 PANEL: USE 3 TRACK



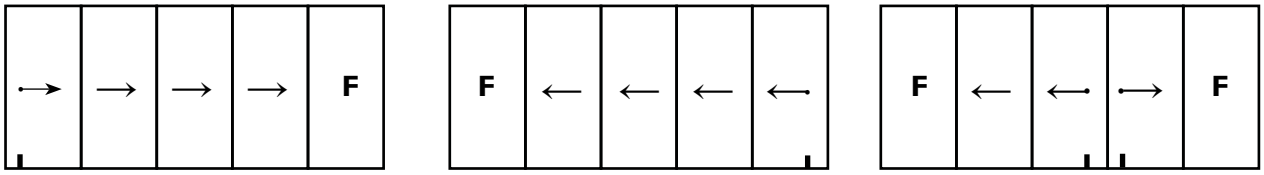
LH SLIDING RH SLIDING

4 PANEL: USE 4 TRACK



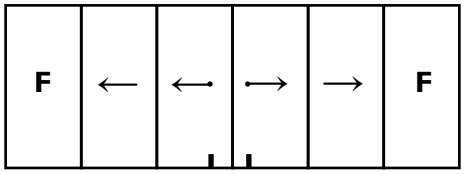
LH SLIDING RH SLIDING CENTRE SLIDING LH & RH

5 PANEL: USE 5 TRACK



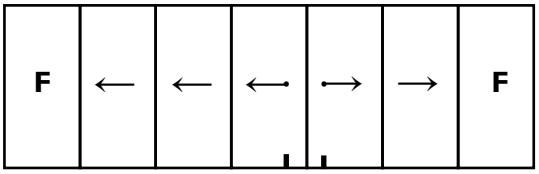
LH SLIDING RH SLIDING CENTRE SLIDING 2 LH, 1 RH AS SHOWN OR REVERSE (1 LH, 2 RH)

6 PANEL: USE 3 TRACK



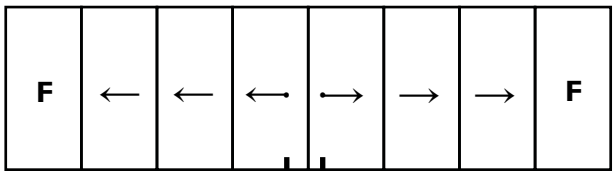
CENTRE PANELS LH & RH SLIDING

7 PANEL: USE 4 TRACK



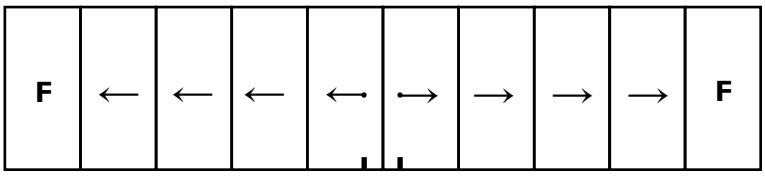
CENTRE SLIDING 3 LH, 2 RH AS SHOWN OR REVERSE (2 LH, 3 RH)

8 PANEL: USE 4 TRACK



CENTRE PANELS LH & RH SLIDING

10 PANEL: USE 5 TRACK

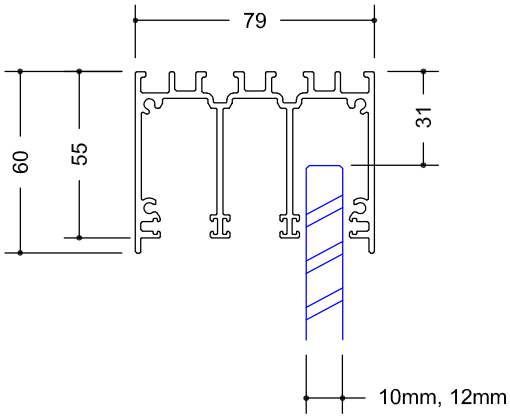


CENTRE PANELS LH & RH SLIDING

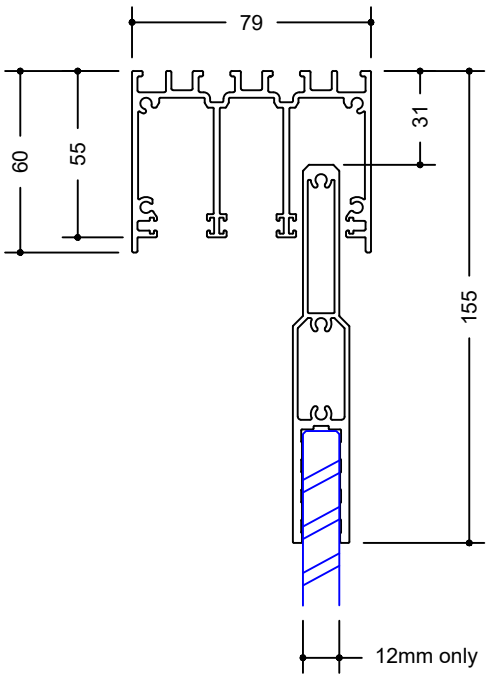
TYPICAL STANDARD CONFIGURATIONS ARE SHOWN. CONTACT LOUVRETEC FOR CUSTOM VARIATIONS

TYPICAL DETAIL:
3 PANEL HEAD AND STANDARD TRACK CROSS SECTIONS

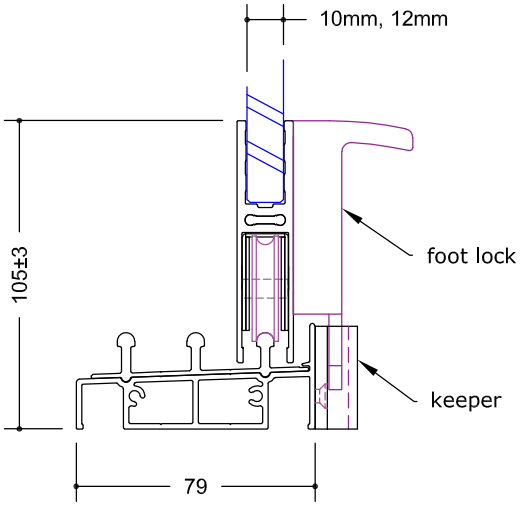
STANDARD 3 PANEL



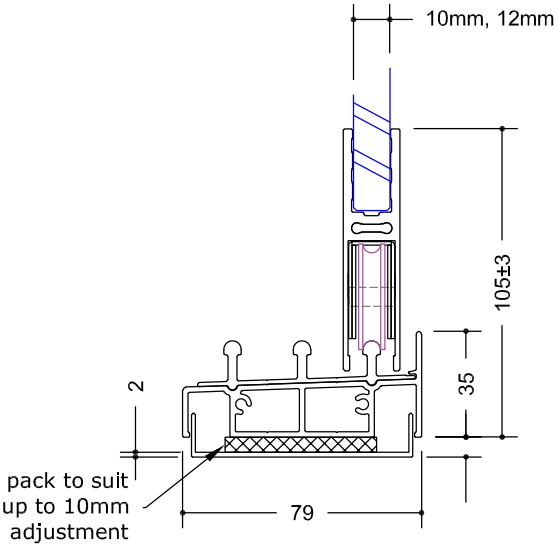
3 PANEL HEAD GUIDE



3 PANEL HEAD GUIDE WITH GLASS EXTENDER



3 PANEL STANDARD TRACK & BASE



3 PANEL STANDARD TRACK & BASE WITH THREE TRACK ADAPTER CHANNEL

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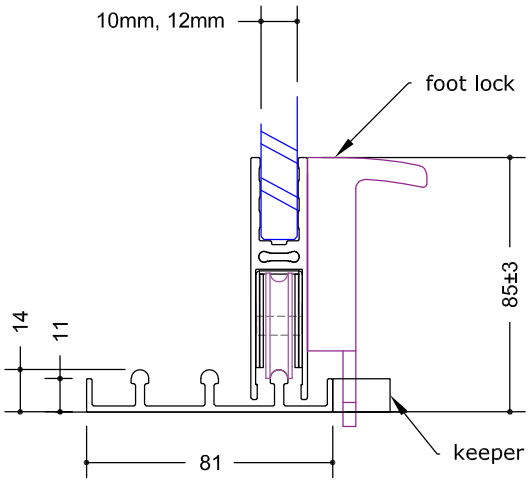
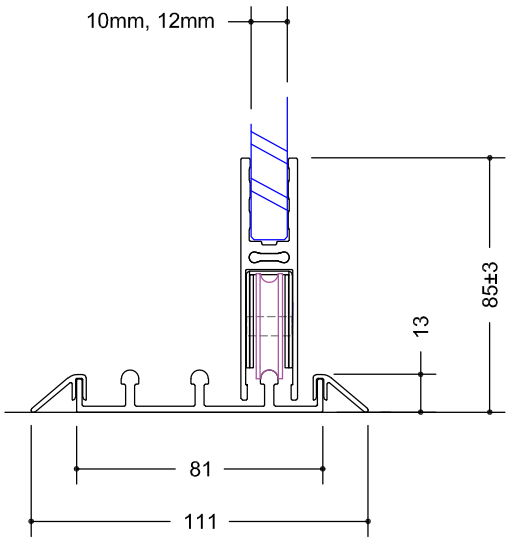
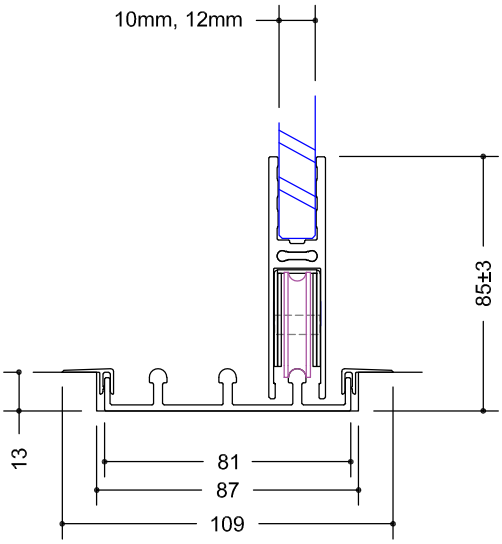


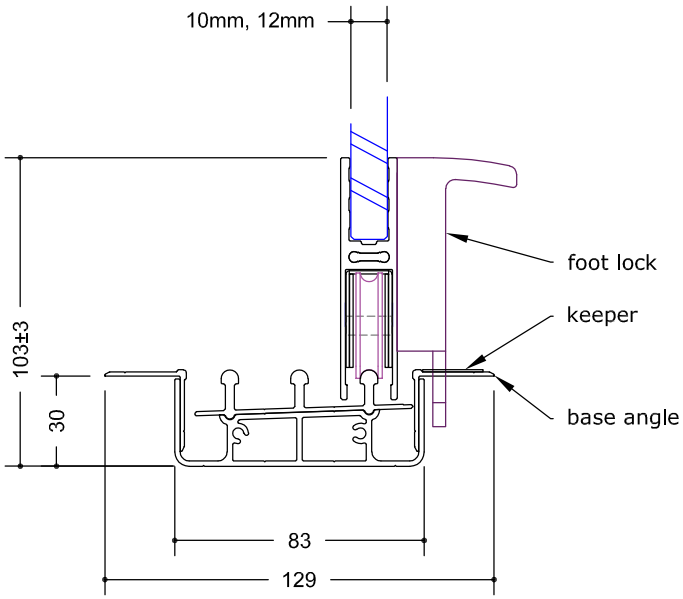
FLUSH TRACK



FLUSH TRACK WITH 45° CLIP-ONS

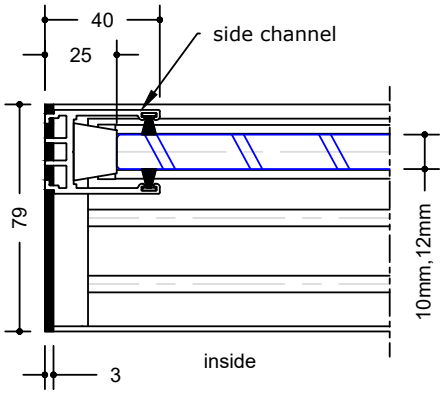


FLUSH TRACK WITH 90° CLIP-ONS

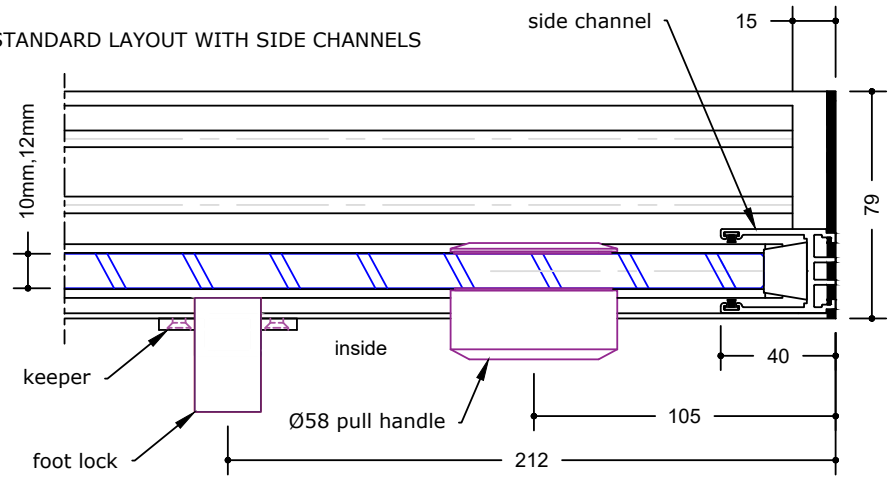


RECESSED TRACK

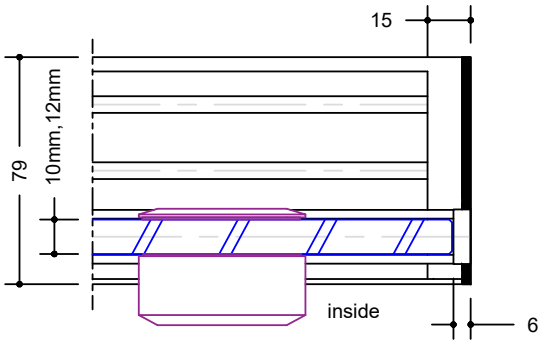
TYPICAL DETAIL :
3 TRACK PLAN VIEW



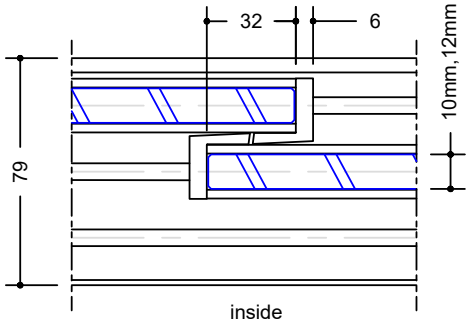
STANDARD LAYOUT WITH SIDE CHANNELS



CLOSING OPTION: NO SIDE CHANNELS

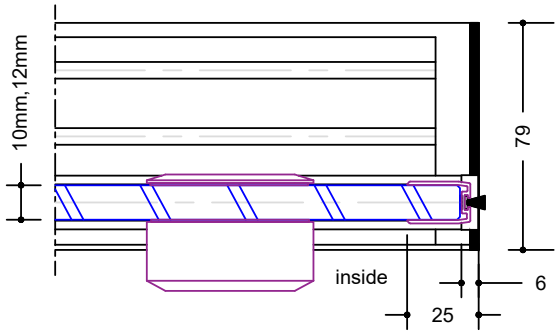


GLASS OVERLAP & PICK UP BLOCKS

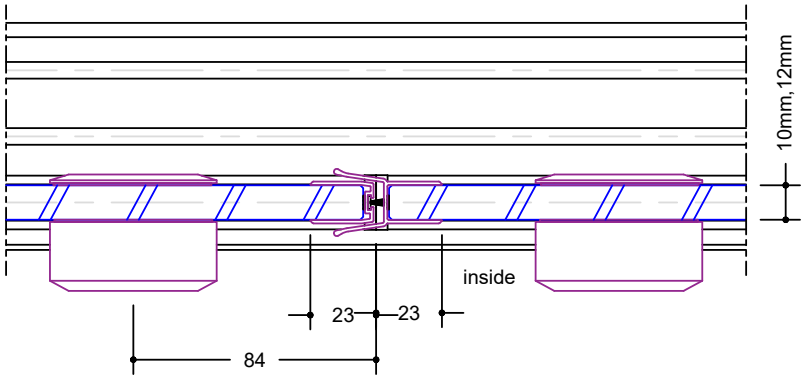


SLIDE ONE WAY & MEET-IN-THE-MIDDLE (MIM)

CLOSING OPTION: EDGE WITH BRUSH PILE



MEET IN THE MIDDLE(MIM)



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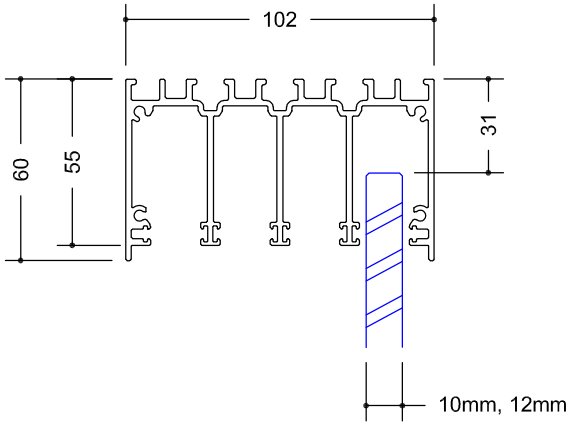
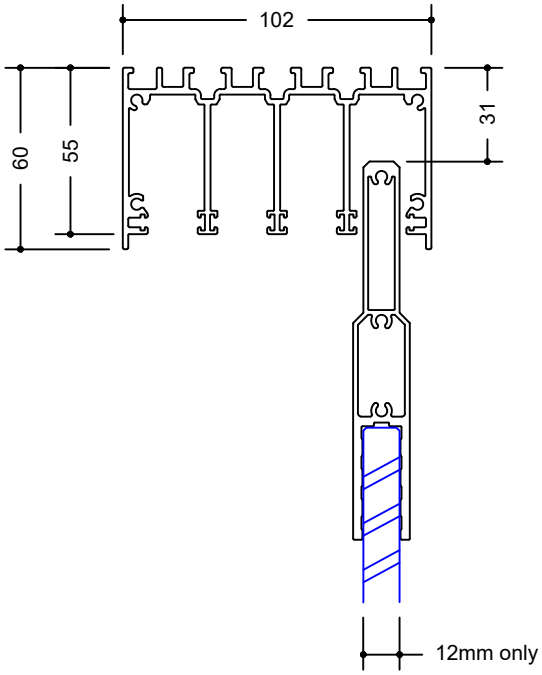
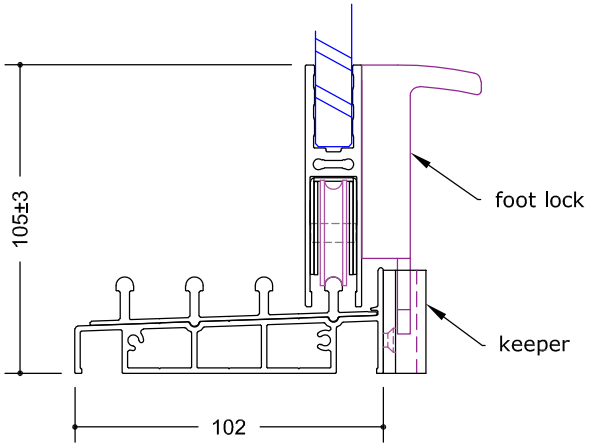
STANDARD 4 PANEL



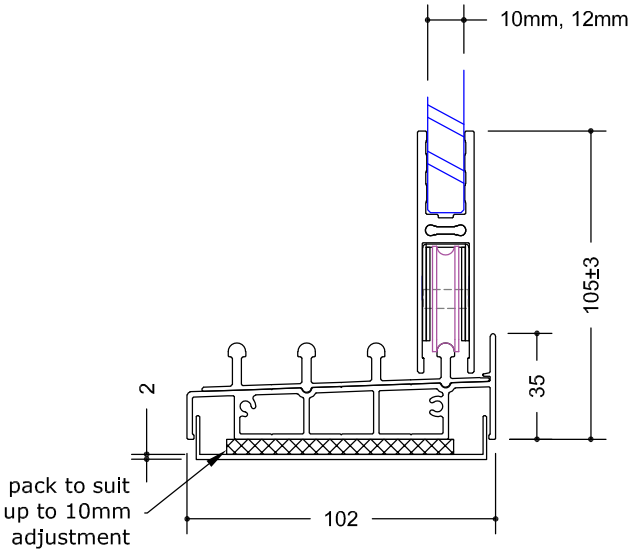
HEAD GUIDE



HEAD GUIDE WITH GLASS EXTENDER

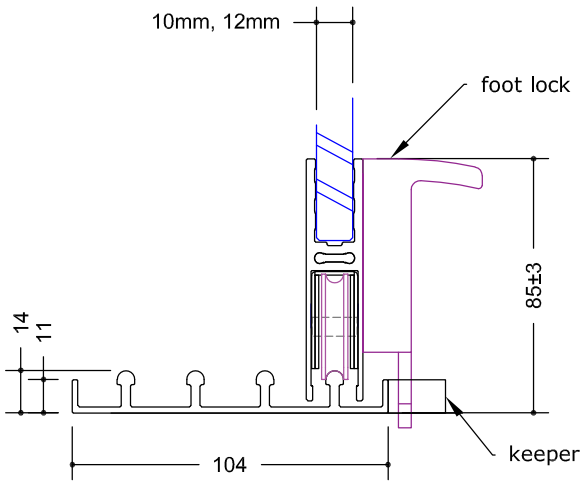


STANDARD BASE/TRACK

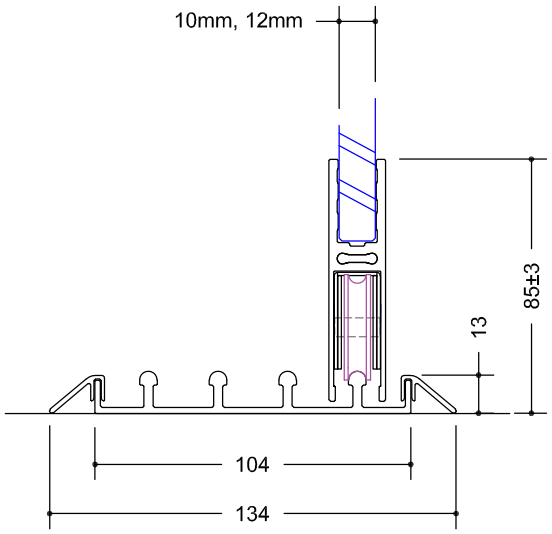


STANDARD BASE/TRACK WITH
ADAPTER CHANNEL

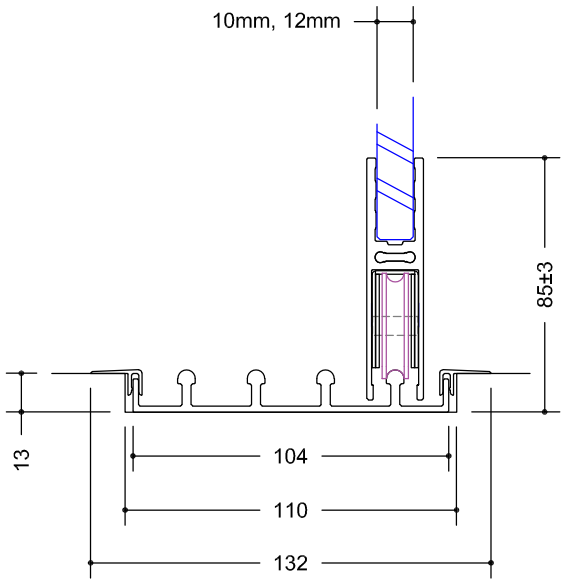
TYPICAL DETAIL :
4 PANEL TRACK OPTIONS



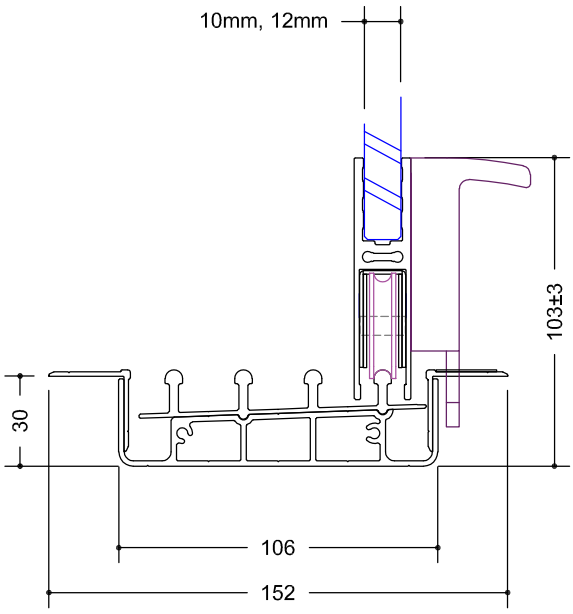
FLUSH TRACK



FLUSH TRACK WITH 45° CLIP ONS



FLUSH TRACK WITH 90° CLIP ONS



RECESSED TRACK

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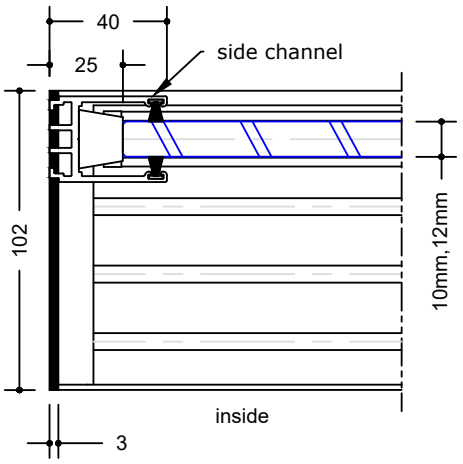
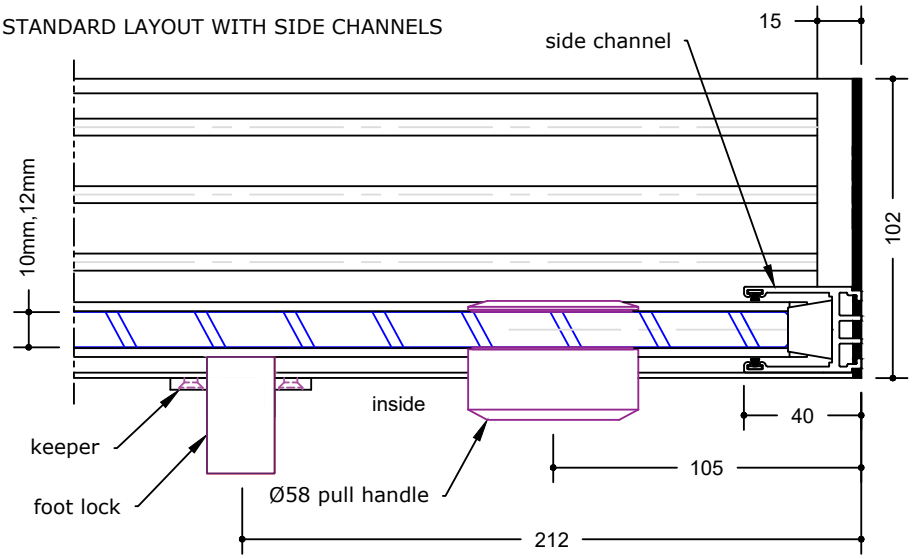
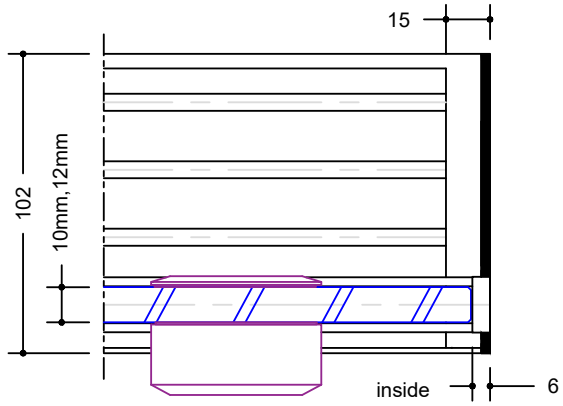


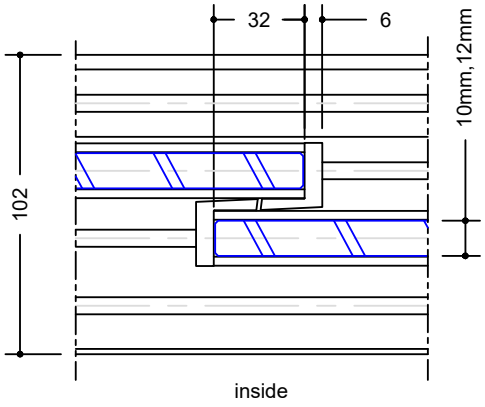
STANDARD LAYOUT WITH SIDE CHANNELS



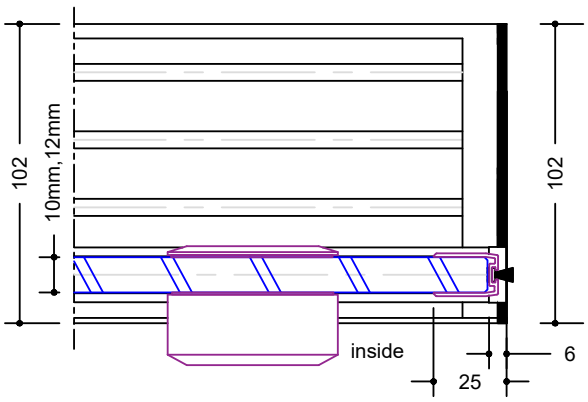
CLOSING OPTION: NO SIDE CHANNELS



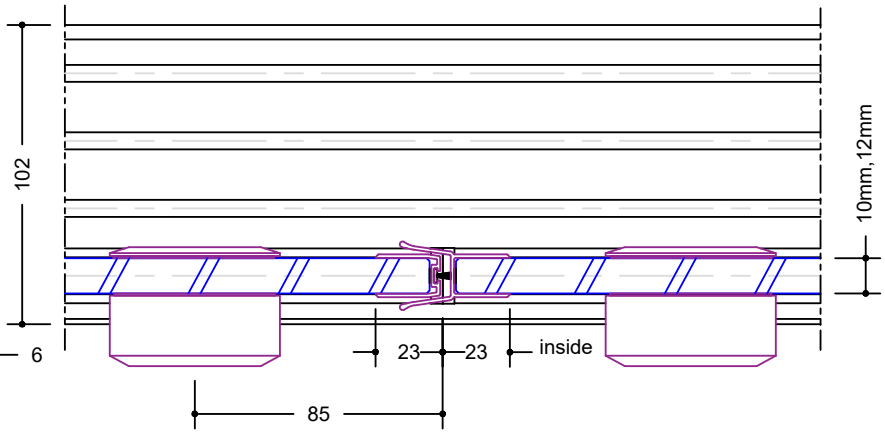
GLASS OVERLAP & PICK UP BLOCKS



CLOSING OPTION: EDGE WITH BRUSH PILE

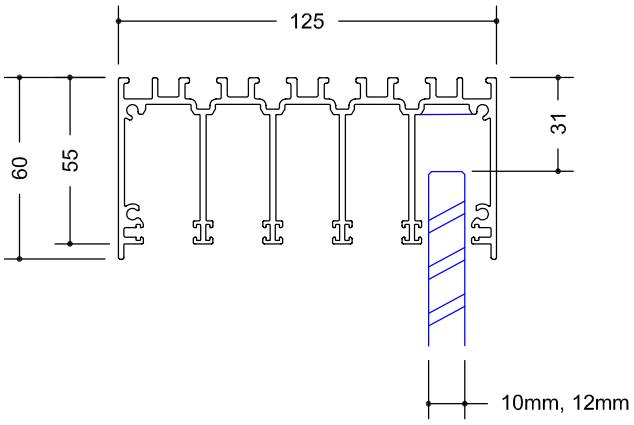


MEET IN THE MIDDLE(MIM)

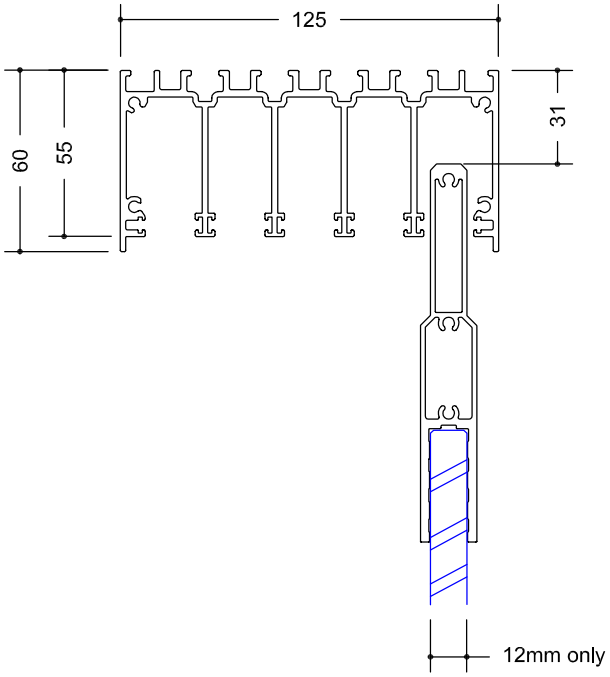


TYPICAL DETAIL :
5 PANEL HEAD AND STANDARD TRACK CROSS SECTIONS

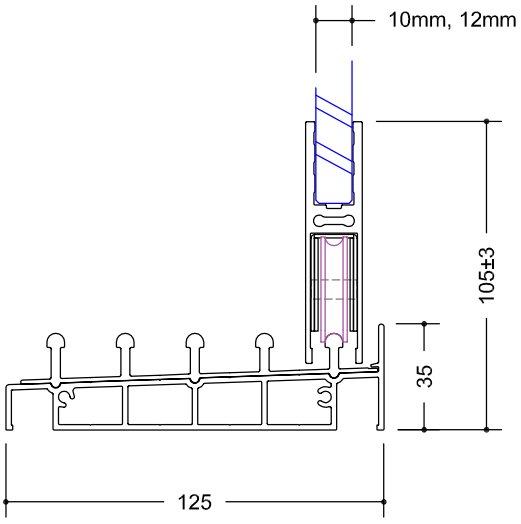
STANDARD 5 PANEL



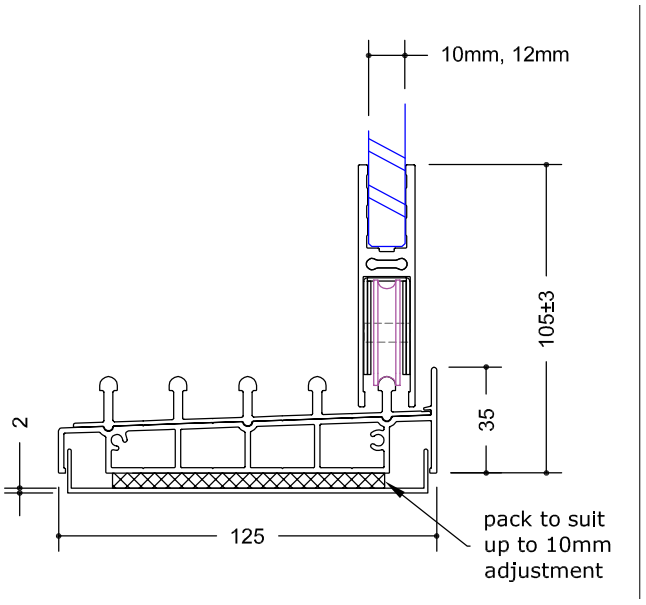
HEAD GUIDE



HEAD GUIDE WITH GLASS EXTENDER



STANDARD TRACK & BASE



STANDARD TRACK & BASE WITH ADAPTER CHANNEL

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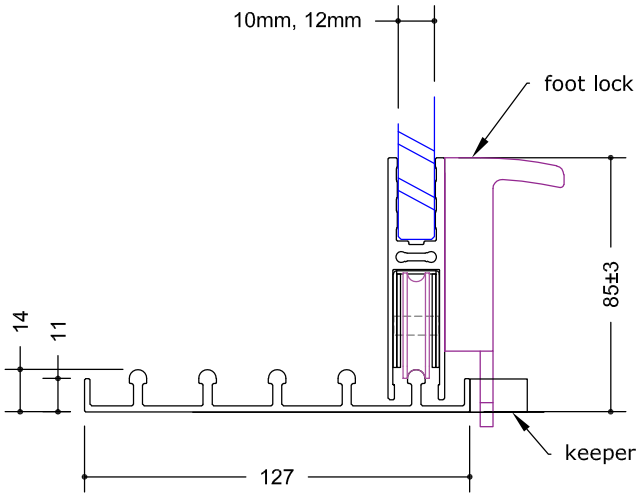
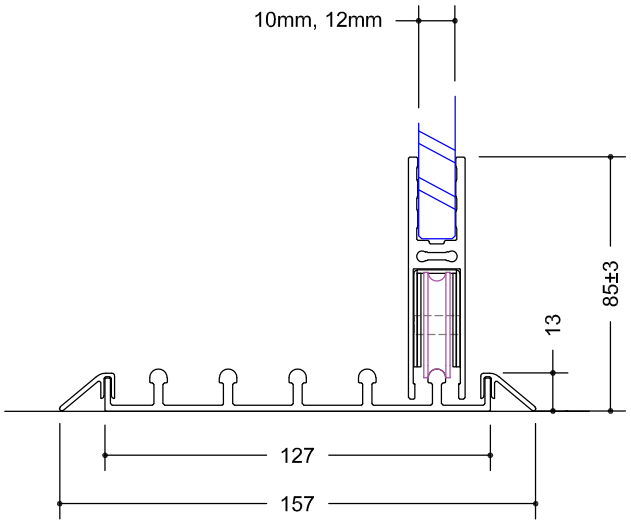
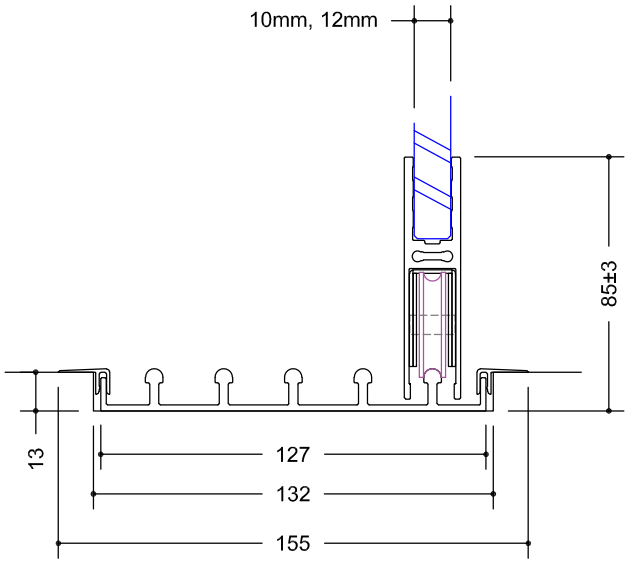


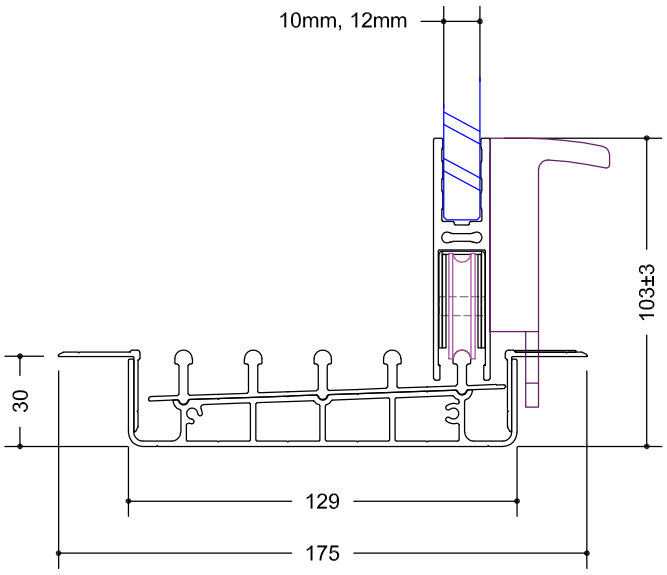
FLUSH TRACK



FLUSH TRACK WITH 45° CLIP-ONS

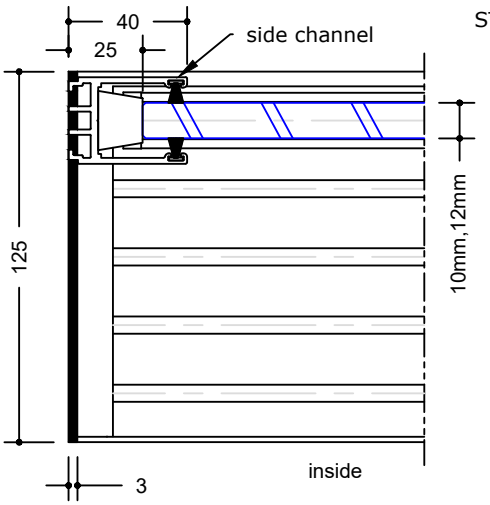


FLUSH TRACK WITH 90° CLIP-ONS

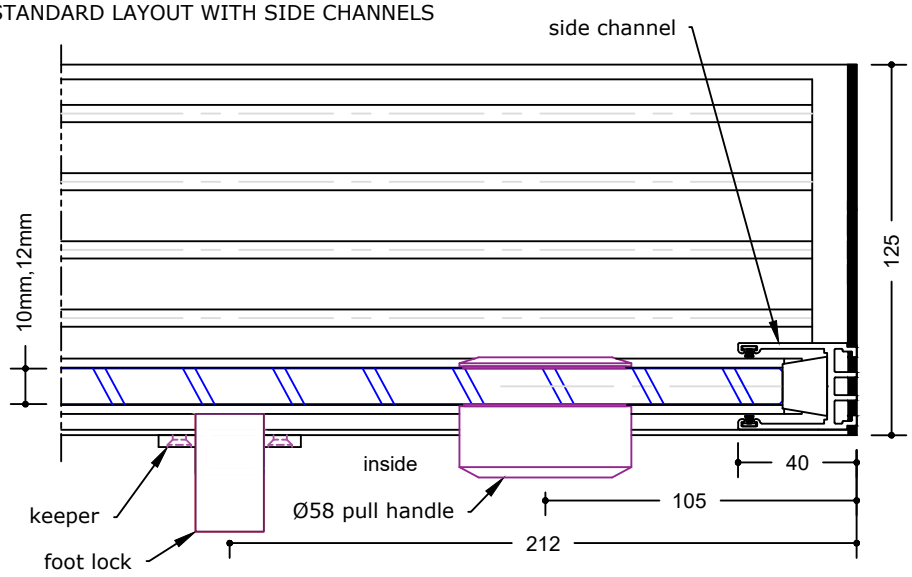


RECESSED TRACK

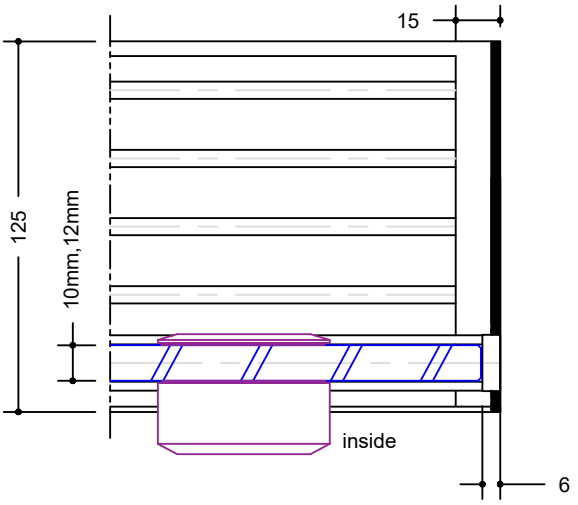
TYPICAL DETAIL :
5 TRACK PLAN VIEW



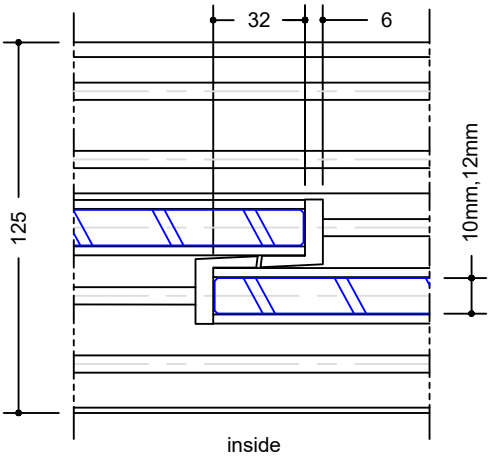
STANDARD LAYOUT WITH SIDE CHANNELS



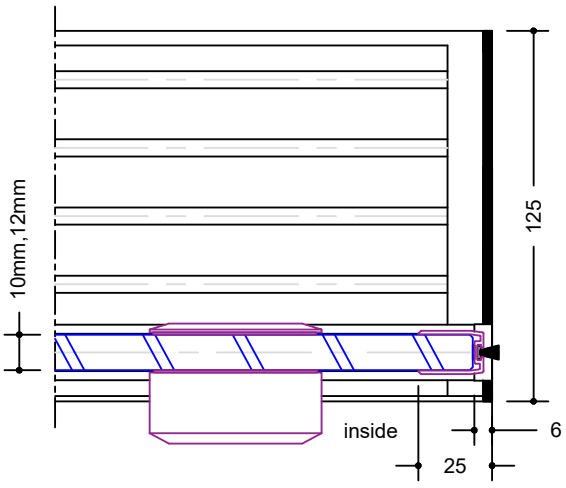
CLOSING OPTION: NO SIDE CHANNELS



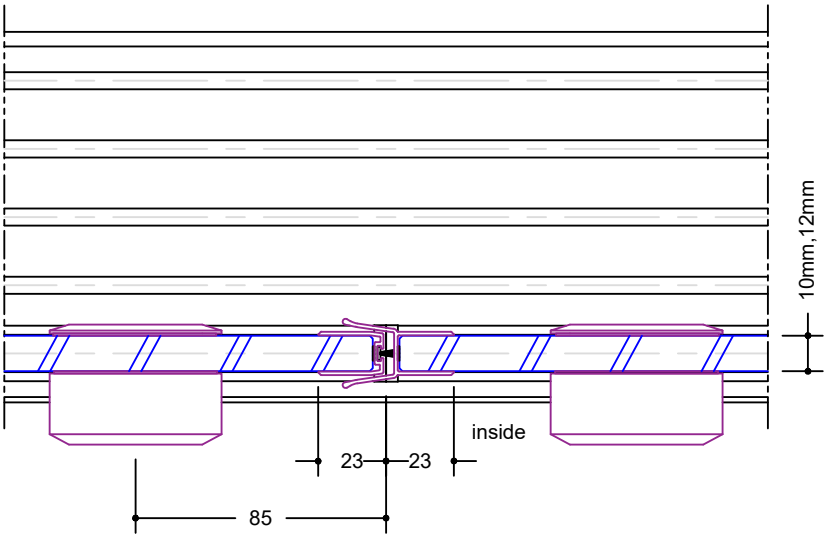
GLASS OVERLAP & PICK UP BLOCKS



CLOSING OPTION: EDGE WITH BRUSH PILE



MEET IN THE MIDDLE(MIM)



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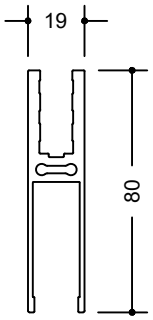
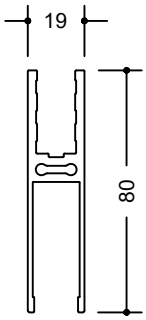
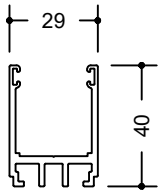
SLIDETEC EXTRUSIONS



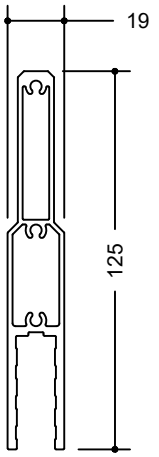
9130
10mm Rail



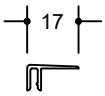
9131
12mm Rail



9132
Side Channel



9133
12mm Extender



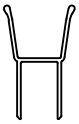
9134
90° Clipon

9135
45° Clipon

for use with flush track only

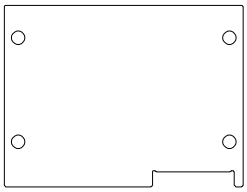
9214
Recessed Base
Angle

9137
10/12mm Edge



9139
MIM Edge

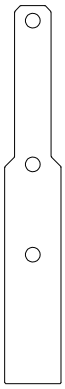
SLIDETEC COMPONENTS



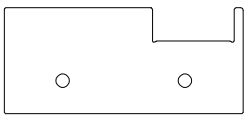
9200
3 Head Cap

9201
4 Head Cap

9202
5 Head Cap



9195
Extender Cap



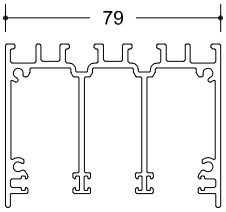
9203
3 Base Cap

9204
4 Base Cap

9205
5 Base Cap

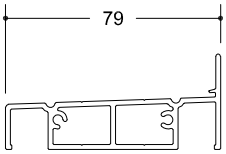
SLIDETEC EXTRUSIONS

FOR 3 PANEL INSTALLATION
DETAILS REFER TO PAGES 5.10 - 5.12

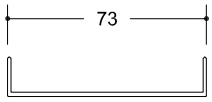


9140
3 Head Guide

9143
3 Standard Track

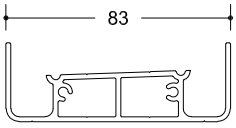


9146
3 Standard Base



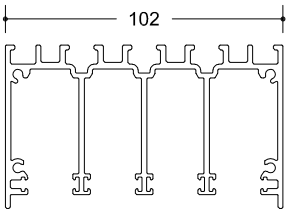
9149
3 Standard Track Adapter *

* NOTE: ADAPTER CHANNELS ALLOWS FOR UP TO 10MM ADJUSTMENT FOR OUT OF LEVEL SURFACES



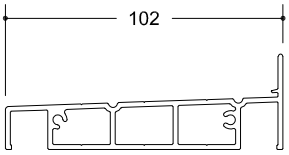
9211
3 Recessed Base

FOR 4 PANEL INSTALLATION
DETAILS REFER TO PAGES 5.13 - 5.15

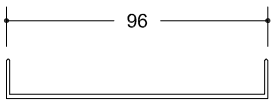


9141
4 Head Guide

9144
4 Standard Track

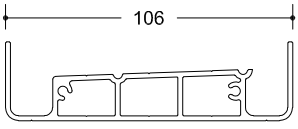


9147
4 Standard Base



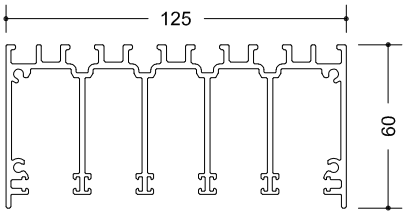
9150
4 Standard Track Adapter *

* NOTE: ADAPTER CHANNELS ALLOWS FOR UP TO 10MM ADJUSTMENT FOR OUT OF LEVEL SURFACES

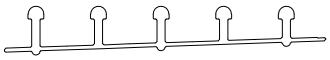


9212
Recessed Base

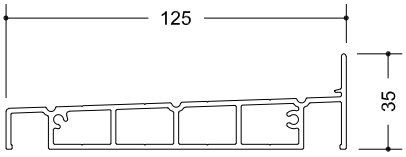
FOR 5 PANEL INSTALLATION
DETAILS REFER TO PAGES 5.16 - 5.18



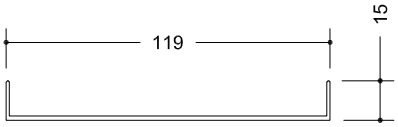
9142
5 Head Guide



9145
5 Standard Track

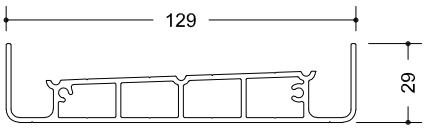


9148
5 Standard Base



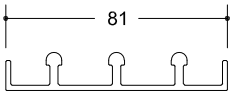
9151
5 Standard Track Adapter *

* NOTE: ADAPTER CHANNELS ALLOWS FOR UP TO 10MM ADJUSTMENT FOR OUT OF LEVEL SURFACES

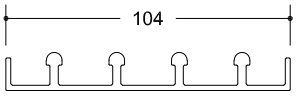


9213
5 Recessed Base

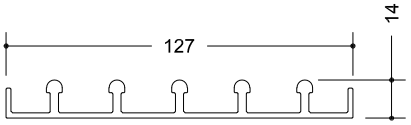
FLUSH TRACK REQUIRING A CONTINUOUS LEVEL SURFACE TO FIX TO



9152
3 Flush Track



9153
4 Flush Track



9154
5 Flush Track

FILE: RETRACT 5.20

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SLIDETEC COMPONENTS & HARDWARE - STANDARD

9165 Left
9166 Right
9167 Plain
Glass Rail End Caps - catch panels as they pull along.

9171
Carriage

9169
Back Stop(44mm)
44mm long

9175 Headguide Brushpile for 10mm glass 48-650
9176 Headguide Brushpile for 12mm glass 48-500
9177 Side Channel Brushpile 48-1000

9187
Ø58mm Pull
(S/S)

9188
Ø58mm Pull
(Black PVC)

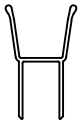
9178
Double Sided
Tape

9179
Vinyl Wrap

9170
Buffer

SLIDETEC COMPONENTS & HARDWARE - MEET IN THE MIDDLE (MIM) SETS

9193
MIM Centre Stop



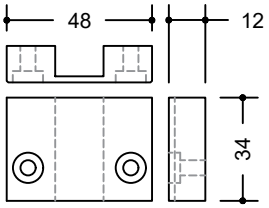
9139
MIM Edge

9137
10/12mm Edge

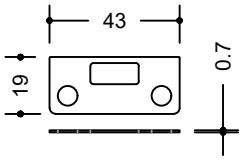
9222
Edge Wrap

FOOT LOCK

9223
Foot Lock



9224
Foot Lock
Keeper Standard
(Alum.)



9225
Foot Lock
Keeper Recessed/Flush
(S/S)

SAFE & SECURE

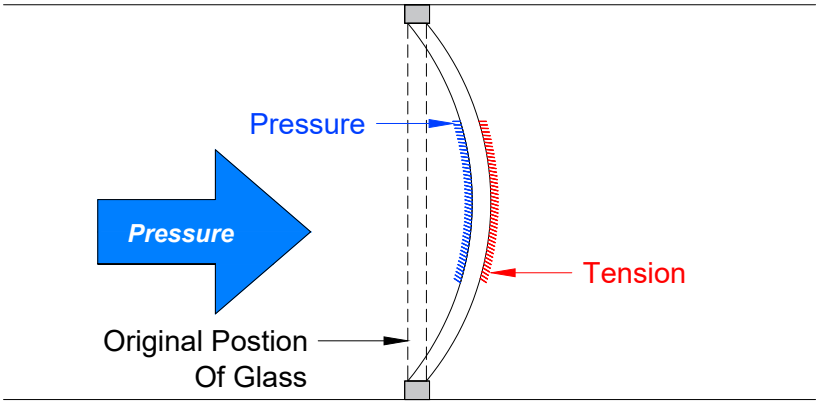
The Foot lock lets you easily lock the Slidetec Frameless Glass Door panels in place by pushing down on top of the Footlock with your foot. The easy to use Footlock has been designed to easily get your foot under the lock when you're ready to unlock and slide the doors back again.

WIND LOADS & DEFLECTIONS

Calculating glass & overall maximum opening height

DEFLECTION

The amount of movement of glass under uniform wind pressure (wind load).



When wind loads are applied to glass it causes both compression and tensile stresses as illustrated in the diagram above.

The face of the glass that has the load imposed on it is subject to compressive stresses for which the glass has a high resistance. The opposite face has the tensile stresses applied to it for which glass has a lower resistance.

10mm & 12mm toughened glass deflects to the same extent, but toughened glass can withstand more deflection before breaking.

DETERMINING THE WIND LOAD

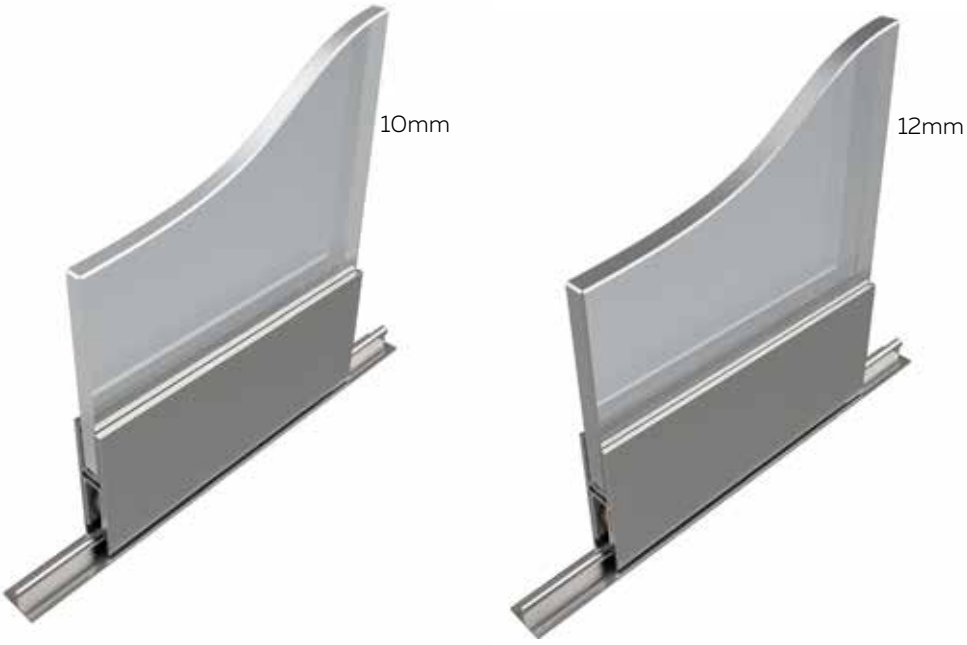
The actual design wind load pressure for each individual application can be determined by specific engineering design using NZS 4203 or AS/NZS 1170. Most regulatory authorities offer information relevant to the job specific site – on larger projects the project engineer will provide this information. Loads will vary due to ground terrain, building height and glazing location, with much higher loads on the corners of buildings and edges of roofs.

ULTIMATE WIND PRESSURE (UWP)

WIND ZONE	WIND ZONE SYMBOL	BASIC WIND SPEED M/S	ULTIMATE WIND PRESSURE PA
Low	L	32	650
Medium	M	37	850
High	H	44	1200
Very High	VH	50	1550
Extra High	EH	55	-

GLASS

The key component - A sheet of toughened 10mm or 12mm glass



Everything revolves around the glass

- Slidetec Glass Sliders are designed around the tensile strength or toughened glass.
- The Glass Span Charts (further on in this manual) determine (based on wind zones) the required glass thickness and heights of the panels
- Spans to NZ Standards are based on a specific deflection of span/60 with a max of 40mm in the given wind zone
- The deflection is based on a minimum tensile strength requirement of 70 mPa and is covered by a generic PS1
- This surpasses the NZ/AU Standard minimum and can only be signed off by a suitably qualified engineer with a site specific PS1
- Slidetec can be supplied as completed panels or as pre-finished extrusion cut and milled to size, along with all componentry required. A job specific glass cutting sheet will be supplied to the Dealer who will source the glass locally
- A step by step Installation Guidelines document will be supplied specific to each job

SLIDETEC SPAN CHART

Glass Span (visible sight line)						
	NZS3604 Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Span	2285	2080	1855	1705	1600
12mm	Maximum Span	2760	2510	2235	2055	1930

*Glass spans in this chart limited to installations associated with buildings up to importance level 2, under 10m high, and within a designated general wind-zone (not SED).
*This span chart can only be used in conjunction with toughened safety glass supplied by Viridian Glass (NZ).
*All glass panel related PS1 documents to be supplied by Viridian Glass (NZ).
*This standard design PS1 covers glass selection to NZS4223.3 and NZS4223.4 only (frame design and support of the glass panels is excluded).
*Max glass spans to the NZ standard are based on a maximum allowable deflection of span/60 in the given wind-zone.
*The glass span tables do not take into account any deflection caused by bending of the SlideTec frames.
*Glazing safeguarding a fall of 1m or more requires specific design.

*Minimum panel width = 500mm. Maximum panel width = 2400mm.

The figures below give the maximum opening height per type of application. Refer to sheet 2 of this publication for further explanation / detail.

Standard Base/Track (includes guide/track of 160mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2445	2240	2015	1865	1760
12mm	Maximum Opening	2920	2670	2395	2215	2090

Standard Base/Track & Extender (includes guide/track/extender of 260mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2545	2340	2115	1965	1860
12mm	Maximum Opening	3020	2770	2495	2315	2190

Recessed Base/Track (includes guide/track of 130mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2415	2210	1985	1835	1730
12mm	Maximum Opening	2890	2640	2365	2185	2060

Recessed Base/Track & Extender (includes guide/track/extender of 230mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2515	2310	2085	1935	1830
12mm	Maximum Opening	2990	2740	2465	2285	2160

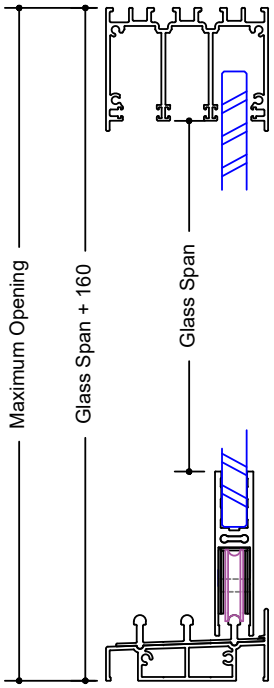
Flush Track (includes guide/track of 140mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2425	2220	1995	1845	1740
12mm	Maximum Opening	2900	2650	2375	2195	2070

Flush Track & Extender (includes guide/track/extender of 240mm)						
	Wind Zone:	Low	Medium	High	Very High	Extra High
Glass Thickness						
10mm	Maximum Opening	2525	2320	2095	1945	1840
12mm	Maximum Opening	3000	2750	2475	2295	2170

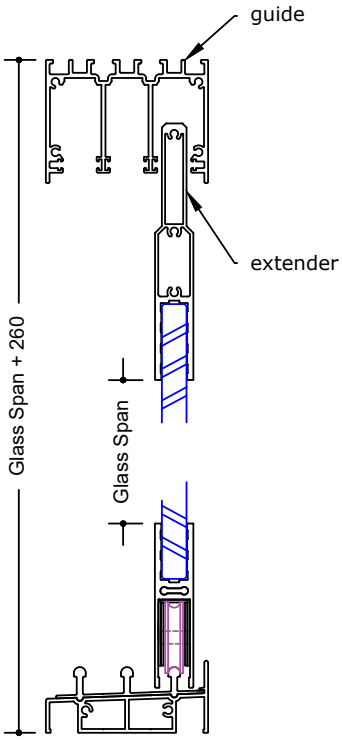
Drawn By	Viridian-DY
Scale	NA @ A4
Date	Feb 2025

LouvreTec™ New Zealand Ltd
All dimensions in mm unless stated otherwise

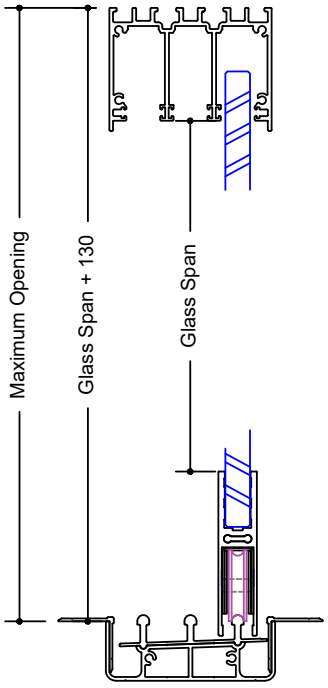
SPANS: SLIDETEC GLASS SPANS | OUTER FRAME OVERALL MEASUREMENT



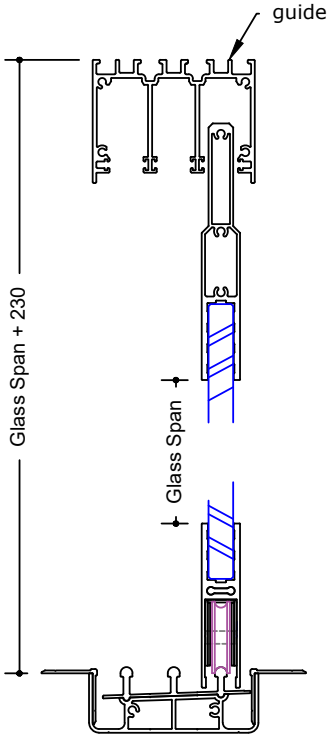
STANDARD BASE TRACK



STANDARD BASE TRACK
& EXTENDER

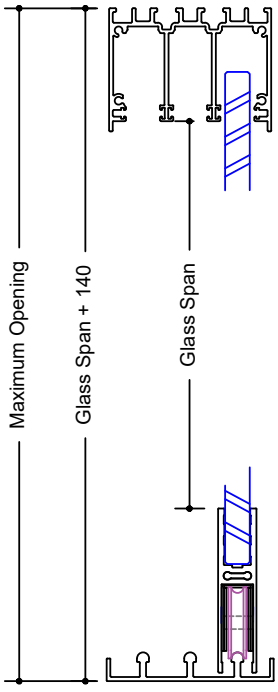


RECESSED BASE TRACK

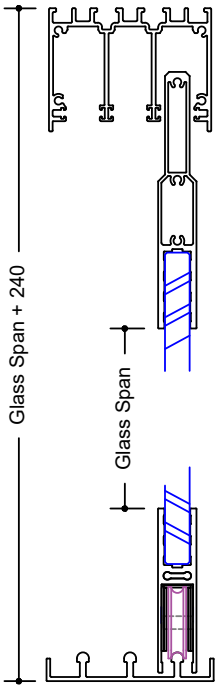


RECESSED BASE TRACK
& EXTENDER

NTS



FLUSH TRACK



FLUSH TRACK
& EXTENDER

NTS

Drawn By	Viridian-DY
Scale	1:3 @ A4
Date	Feb 2025

LouvreTec™ New Zealand Ltd
All dimensions in mm unless stated otherwise

FILE: SLIDETEC 5.26 DATE MODIFIED: 01/08/2023 SCALE:

www.louvretec.co.nz www.louvretec.com.au

PS1 no: (By Viridian) .
CPEng 1163388
Auckland Council Author Number: 124000
SBGC Author Number: PSA/2020/14

Building Code Clause(s) B1, F2

PRODUCER STATEMENT – PS1 – DESIGN

ISSUED BY: Viridian Glass Ltd Partnership
(Design Firm)

TO: LouvreTec NZ
(Owner/Developer)

TO BE SUPPLIED TO: ### Council
(Building Consent Authority)

IN RESPECT OF: Maximum Viridian Toughened Safety Glass Spans for SlideTec Sliding Panel System.
(Description of Building Work)

AT: ###
(Address)

Town/City: ### **LOT** ..... **DP** ..... **SO** .....
(Address)

We have been engaged by the owner/developer referred to above to provide:

Design services with respect to maximum Viridian Toughened Safety Glass spans for SlideTec Sliding Panel System.
This PS1 excludes the design of all supporting structure and substrate beyond the immediate fixings which must be designed by others to NZ Building Code and AS/NZS 1170.
(Extent of Engagement)

services in respect of the requirements of Clause(s) B1, F2 of the Building Code for:

☐ All or ■ Part only (as specified in the attachment to this statement), of the proposed building work.

The design carried out by us has been prepared in accordance with:

■ Compliance Documents issued by the Ministry of Business, Innovation & Employment B1/VM1/AS1 F2/AS1 or
(verification method/acceptable solution)

☐ Alternative solution as per the attached schedule

The proposed building work covered by this producer statement is described on the drawings titled:

Refer attached drawings and numbered Refer attached drawings;
together with the specification, and other documents set out in the schedule attached to this statement.

On behalf of the Design Firm, and subject to:
(i) Site verification of the following design assumptions Refer attachment below
(ii) All proprietary products meeting their performance specification requirements;

I believe on reasonable grounds that a) the building, if constructed in accordance with the drawings, specifications, and other documents provided or listed in the attached schedule, will comply with the relevant provisions of the Building Code and that b), the persons who have undertaken the design have the necessary competency to do so. I also recommend the following level of construction monitoring/observation:

☐ CM1 ☐ CM2 ☐ CM3 ☐ CM4 ☐ CM5 (Engineering Categories) or ■ as per agreement with owner/developer/Architect

I, Woo Ching, Yong (Dominic) am: ■ CPEng 1163388
(Name of Design Professional)

I am a member of: ■ Engineering New Zealand and hold the following qualifications: BEng.(Hons), Mst Eng

The Design Firm issuing this statement holds a current policy of Professional Indemnity Insurance no less than $200,000*.
The Design Firm is a member of ACE New Zealand: ☐

SIGNED BY Woo Ching, Yong (Dominic) (Signature)
(Name of Design Professional)

ON BEHALF OF Viridian Glass Ltd Partnership Date Feb 2025
(Design Firm)

Note: This statement shall only be relied upon by the Building Consent Authority named above. Liability under this statement accrues to the Design Firm only. The total maximum amount of damages payable arising from this statement and all other statements provided to the Building Consent Authority in relation to this building work, whether in contract, tort or otherwise (including negligence), is limited to the sum of $200,000.*

This form is to accompany **Form 2 of the Building (Forms) Regulations 2004** for the application of a Building Consent.

GUIDANCE ON USE OF PRODUCER STATEMENTS

Producer statements were first introduced with the Building Act 1991. The producer statements were developed by a combined task committee consisting of members of the New Zealand Institute of Architects, Institution of Professional engineers New Zealand (now Engineering New Zealand), ACE New Zealand in consultation with the Building Officials Institute of New Zealand. The original suit of producer statements has been revised at the date of this form as a result of enactment of the Building Act (2004) by these organisations to ensure standard use within the industry.

The producer statement system is intended to provide Building Consent Authorities (BCAs) with reasonable grounds for the issue of a Building Consent or a Code Compliance Certificate, without having to duplicate design or construction checking undertaken by others.

PS1 Design Intended for use by a suitably qualified independent design professional in circumstances where the BCA accepts a producer statement for establishing reasonable grounds to issue a Building Consent;

PS2 Design Review Intended for use by a suitably qualified independent design professional where the BCA accepts an independent design professional's review as the basis for establishing reasonable grounds to issue a Building Consent;

PS3 Construction Forms commonly used as a certificate of completion of building work are Schedule 6 of NZS 3910:2013 or Schedules E1/E2 of NZIA's SCC 2011[2]

PS4 Construction Review Intended for use by a suitably qualified independent design professional who undertakes construction monitoring of the building works where the BCA requests a producer statement prior to issuing a Code Compliance Certificate.

This must be accompanied by a statement of completion of building work (Schedule 6).

The following guidelines are provided by ACE New Zealand and Engineering New Zealand to interpret the Producer Statement.

Competence of Design Professional

This statement is made by a Design Firm that has undertaken a contract of services for the services named, and is signed by a person authorised by that firm to verify the processes within the firm and competence of its designers.

A competent design professional will have a professional qualification and proven current competence through registration on a national competence based register as a Chartered Professional Engineer (CPEng).

Membership of a professional body, such as Engineering New Zealand (formerly IPENZ) provides additional assurance of the designer's standing within the profession. If the design firm is a member of ACE New Zealand, this provides additional assurance about the standing of the firm.

Persons or firms meeting these criteria satisfy the term "suitably qualified independent design professional".

***Professional Indemnity Insurance**

As part of membership requirements, ACE New Zealand requires all member firms to hold Professional Indemnity Insurance to a minimum level.

The PI Insurance minimum stated on the front of this form reflects standard, small projects. If the parties deem this inappropriate for large projects the minimum may be up to $500,000.

Professional Services during Construction Phase

There are several levels of service which a Design Firm may provide during the construction phase of a project (CM1-CM5 for Engineers[3]). The Building Consent Authority is encouraged to require that the service to be provided by the Design Firm is appropriate for the project concerned.

Requirement to provide Producer Statement PS4

Building Consent Authorities should ensure that the applicant is aware of any requirement for producer statements for the construction phase of building work at the time the building consent is issued as no design professional should be expected to provide a producer statement unless such a requirement forms part of the Design firm's engagement.

Attached Particulars

Attached particulars referred to in this producer statement refer to supplementary information appended to the producer statement.

Refer Also:

1 Conditions of Contract for Building & Civil Engineering Construction NZS 3910: 2013

2 NZIA Standard Conditions of Contract SCC 2011

Guideline on the Briefing & Engagement for Consulting Engineering Services (ACE New Zealand/Engineering New Zealand 2004)

4 PN Guidelines on Producer Statements

www.acenz.org.nz
www.engineeringnz.org

Viridian Glass
15 Waiouru Road,
East Tāmaki,
Auckland 2013
M +64 27 880 2391
E dyong@viridianglass.net.nz

Re: Clause B2 Statement for Viridian Glass System -:

We are unable to provide a Producer Statement for Clause "B2 - Durability" of the Building Code because the Ministry of Business Innovation and Employment compliance documents do not contain an effective verification method.

However, for the specific designed structural elements in Viridian Glass Producer Statement PS1, we can confirm the following:

When glass is installed in accordance with NZS 4223 and installation instructions, it will meet the durability requirements of Table 1 Acceptable Solution B2/AS1.

To ensure the durability of the system, the care and maintenance requirements included in the Viridian Glass product manual must be met. Please refer attached documents.

Yours sincerely,

Dominic Yong
CPEng 1163388

Viridian Glass
15 Waiouru Road,
East Tāmaki,
Auckland 2013
M +64 27 880 2391
E dyong@viridianglass.net.nz

To Whom It May Concern

Construction Monitoring

The design is based on the verification of construction specified in the PS1 by a suitably qualified professional.

Inspection shall include at least the following:

- The glass type, thickness and dimensions are as provided by the PS1, and are supplied by Viridian Glass.
- The permanent glass markings are visible after installation, and meet the requirements of NZS 4223.
- The hardware and fixings are supplied and installed at the specified centres as per the PS1.
- Substitution of glass or hardware is not allowed.
- The supporting structures has been engineered by a suitably qualified design professional to support design loads from the glass. This is not responsibility of Viridian Glass.

We note additional inspections will be required as part of the Council's normal inspection regime.

Yours sincerely,

Technical Manager
CPEng | CMEngNZ | Mst.Eng

T 0800 847 434 | F 64 9 573 0389
15 Waiouru Rd, Highbrook, Auckland 2013
www.viridianglass.co.nz

CARE AND MAINTENANCE

To ensure the long-term durability of glass, regular washing and drying are necessary. In urban areas, it is recommended to wash them every three to six months. The following guidelines should be followed:

a. When washing, soak the glass surface with a mild soap detergent solution, warm water, or proprietary glass cleaners to loosen dirt and debris.

b. Use a soft, grit-free cloth or sponge to wash the glass and avoid washing in direct sunlight. Do not use scrapers or razor blades.

c. After washing, rinse the glass with clean water and dry it using a clean, grit-free squeegee, cloth, or paper towel. Remember that wet glass can be dirty.

d. Ensure that all water and cleaning solution residue is dried from the gaskets, sealants, and frames to prevent water spots.

e. Avoid cleaning tinted and reflective glass surfaces in direct sunlight.

f. For laminated glass, use the same washing procedures as above, but be careful not to allow solvents to come into contact with the edge laminate interlayer.

g. It is recommended to check that hardware drainage is not blocked, as this can affect laminated glass.

OVERHEAD RECTANGULAR PANELS

OVERHEAD RAKING PANEL

FULL HEIGHT FIXED PANEL

2. SLIDETEC FIXED PANELS GLAZING SYSTEM

Fixed glass panels to compliment Slidetec Doors & Windows

Slidetec Fixed Panels are designed to compliment the Slidetec Sliding Door & Window system.

Two typical applications

1. Fixed overhead panels

If the sliding panel is over height and exceeds design limitations, a suitably sized fixed overhead panel can be fitted.

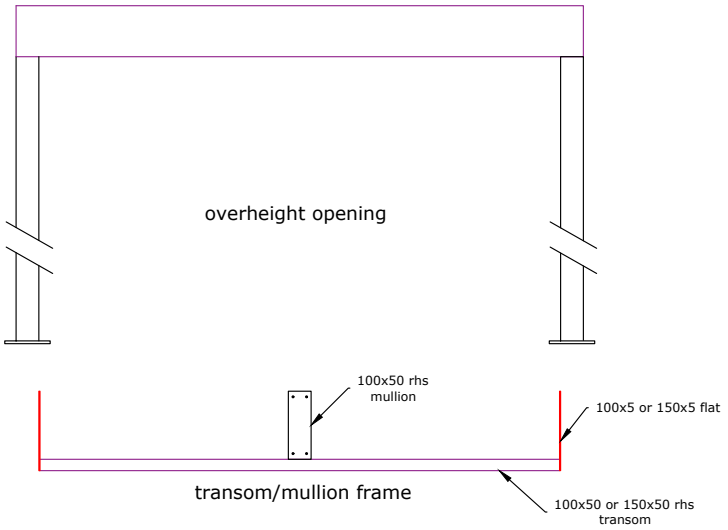
Fixed overhead panels can also be used on pitched roof frames to square up the opening to allow for a sliding panel to be installed under.

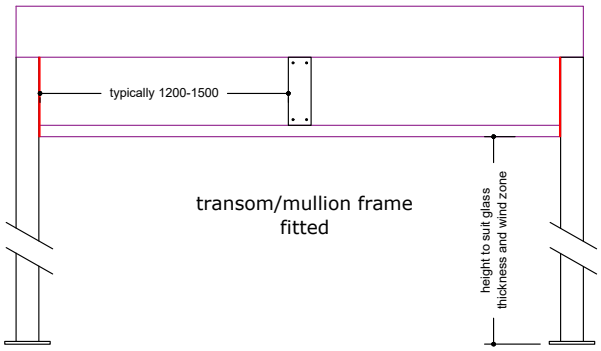
2. Full height fixed panels

Ideal to use to provide light and shelter as a full height fixed panel when sliding access is not required.

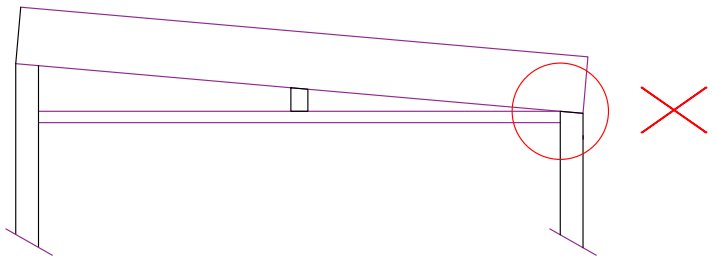
PANEL DETAILS

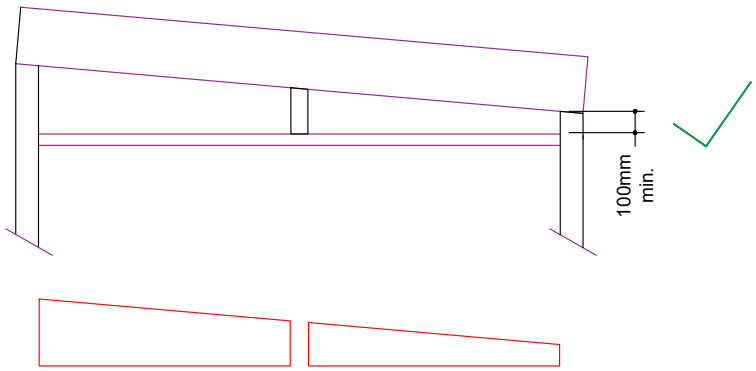
Top fixed panels to reduce the height of an over height opening.





RAKING FIXED PANELS





FILE: SLIDETEC 5.32 DATE MODIFIED: 01/10/2024 SCALE:

TWO FIXING SYSTEMS

1. Flush Fit fixed option

This simple 'traditional' system has the advantage of minimal clean lines and hidden fixings.

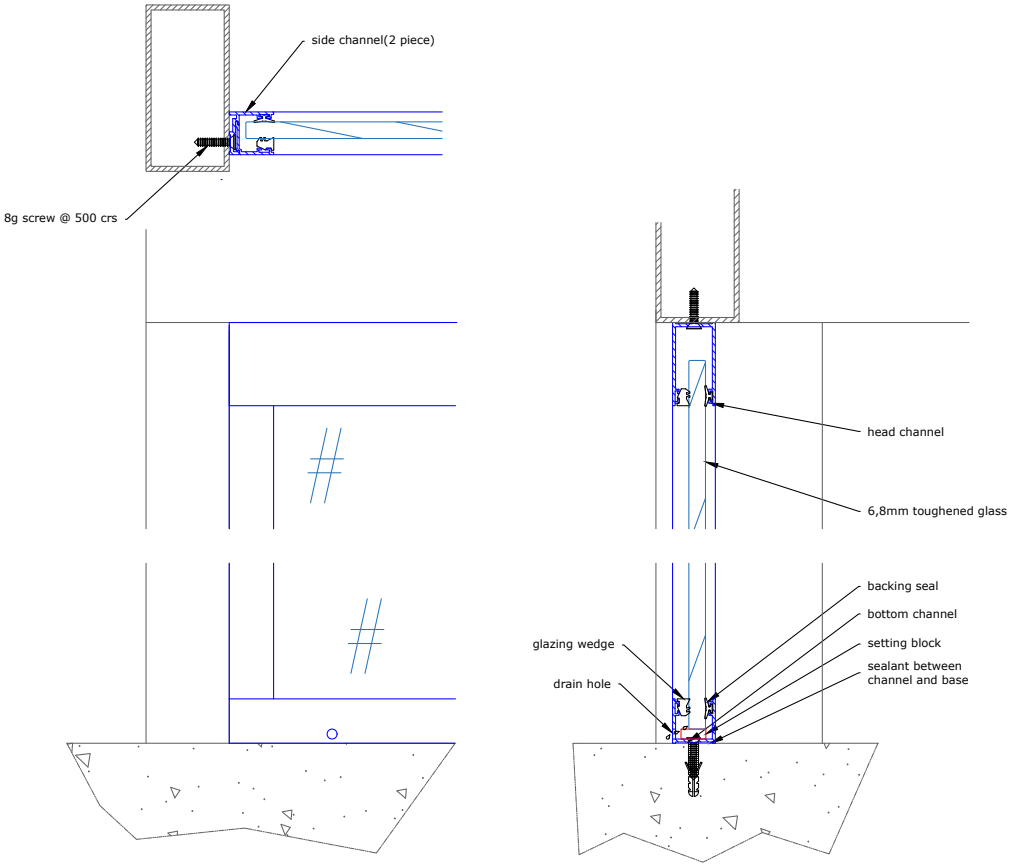
Designed with pocket fit flush within existing openings.

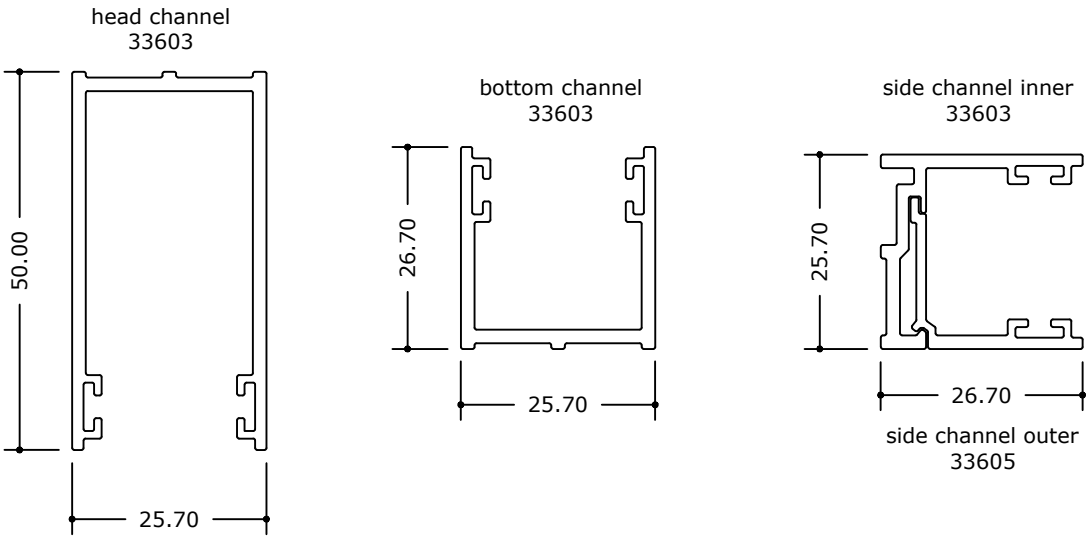
OVERHEAD RECTANGULAR PANELS

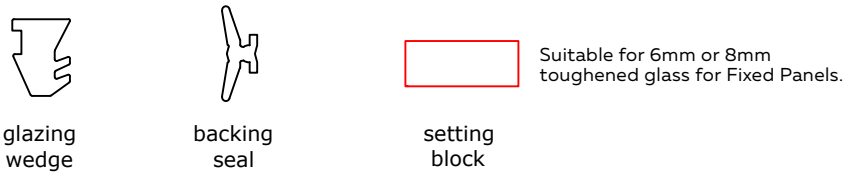
OVERHEAD RAKING PANELS

FIXED GLAZING PANELS

TYPICAL DETAIL:
SLIDETEC FLUSH FIT FIXED GLAZING PANELS







FILE: SLIDETEC 5.34 DATE MODIFIED: 01/10/2024 SCALE:

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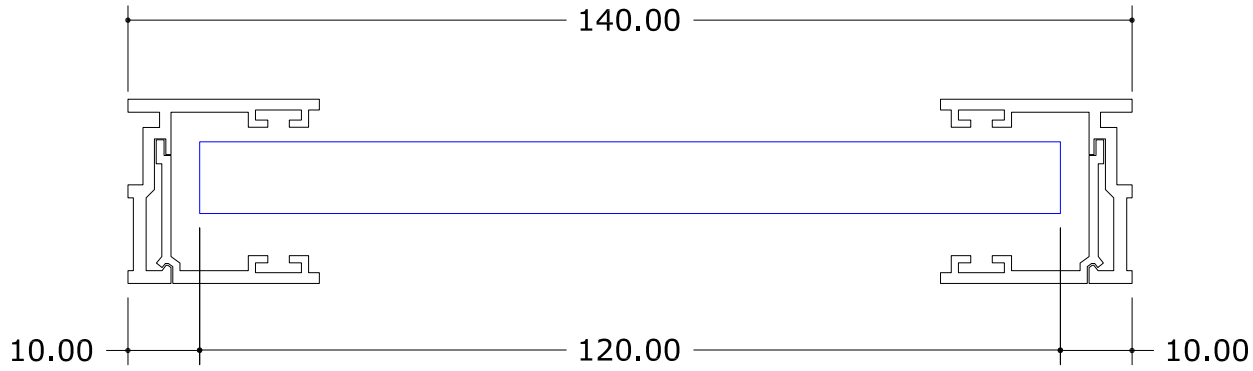
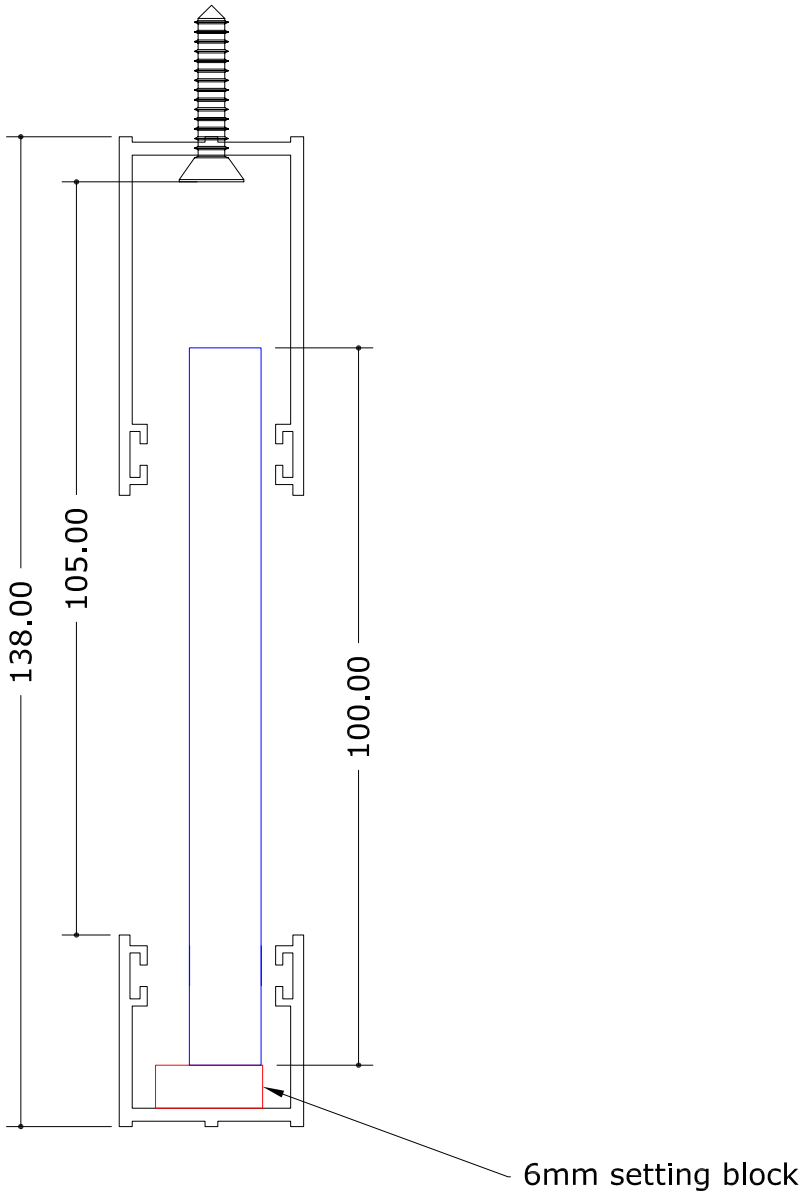
GLASS DEDUCTIONS



CROSS SECTION WIDTH - GLASS WIDTH = OVERALL WIDTH -20MM



CROSS SECTION HEIGHT - GLASS HEIGHT = OVERALL HEIGHT -38MM

TWO FIXING SYSTEMS

2. Face Fixed option

This system is based on typical aluminium joinery design, incorporating a facing to all four sides of the outer frame.

In contrast to the Flush Fixed option, this section incorporates a flange to the outer frame enabling the glass panel to be fixed directly through the flange to the face of the opening.

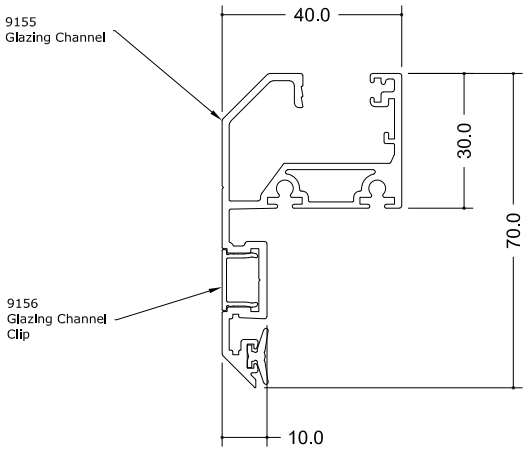
A glazing channel clip provides cover to hide the fixings.

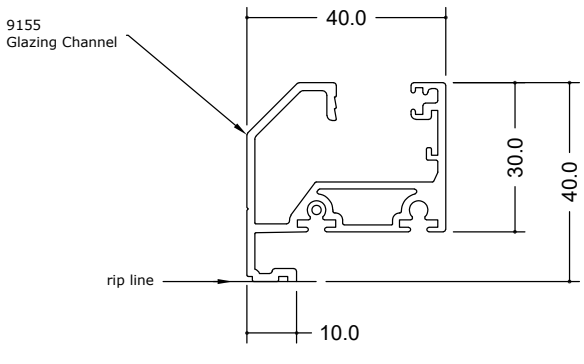
The flange may be ripped smaller at the glazing channel rip line.

OVERHEAD RECTANGULAR PANELS

OVERHEAD RAKING PANELS

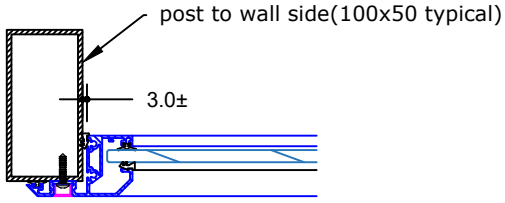
FIXED GLAZING PANELS



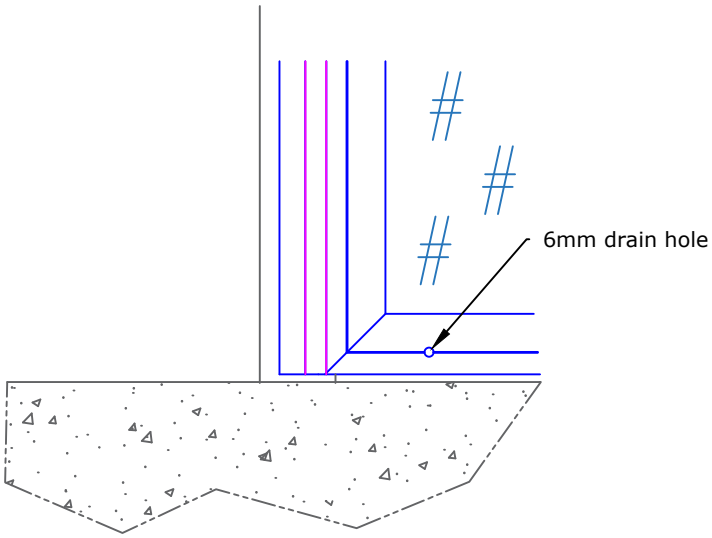


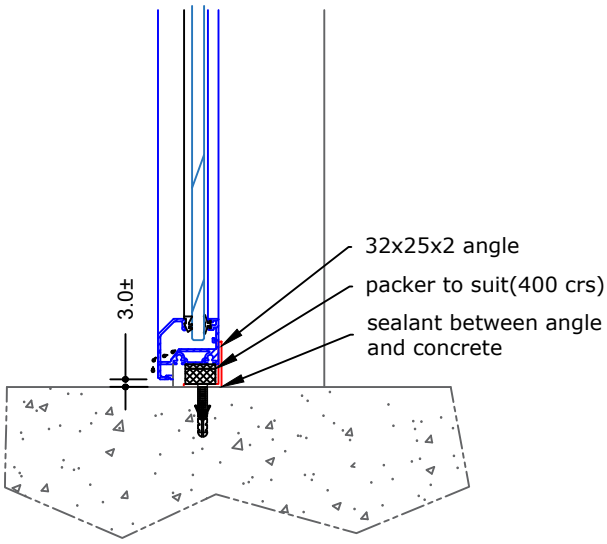
With ripped leg option

TYPICAL FIXING DETAILS



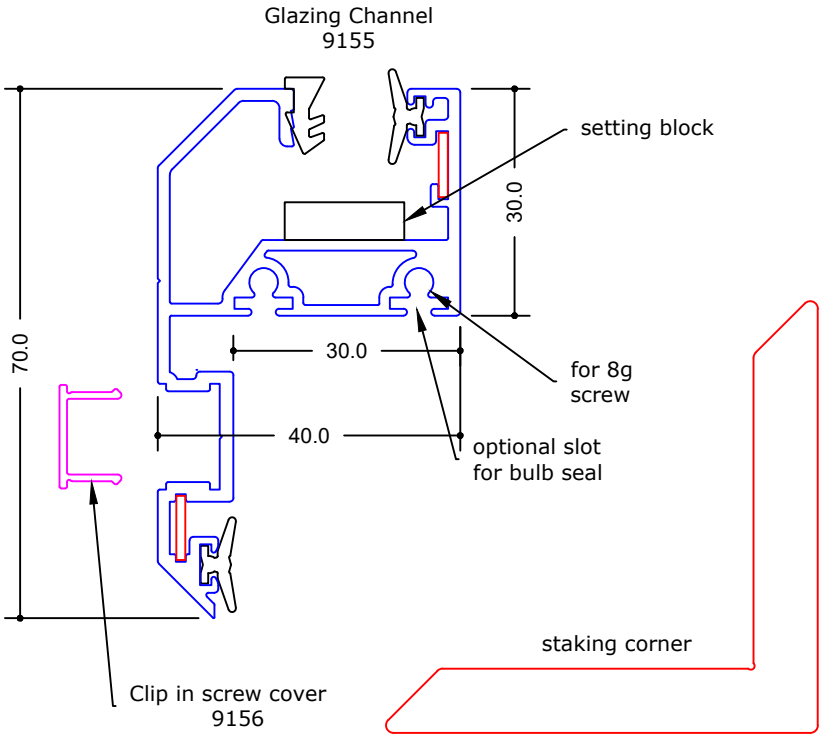
H - WITHOUT POST FOOT

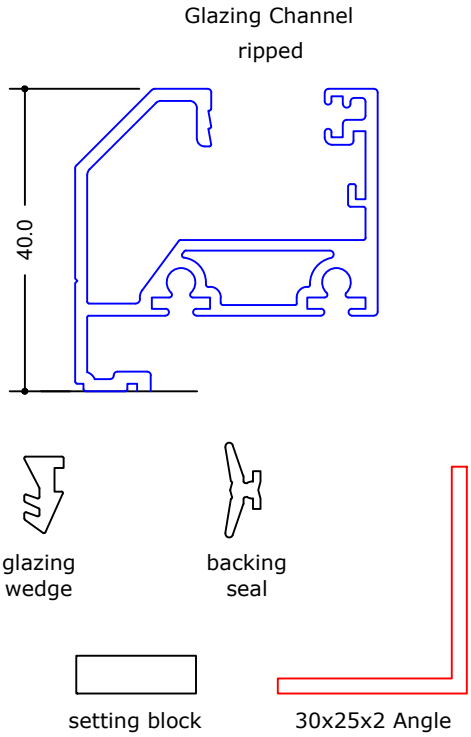




SECTION H

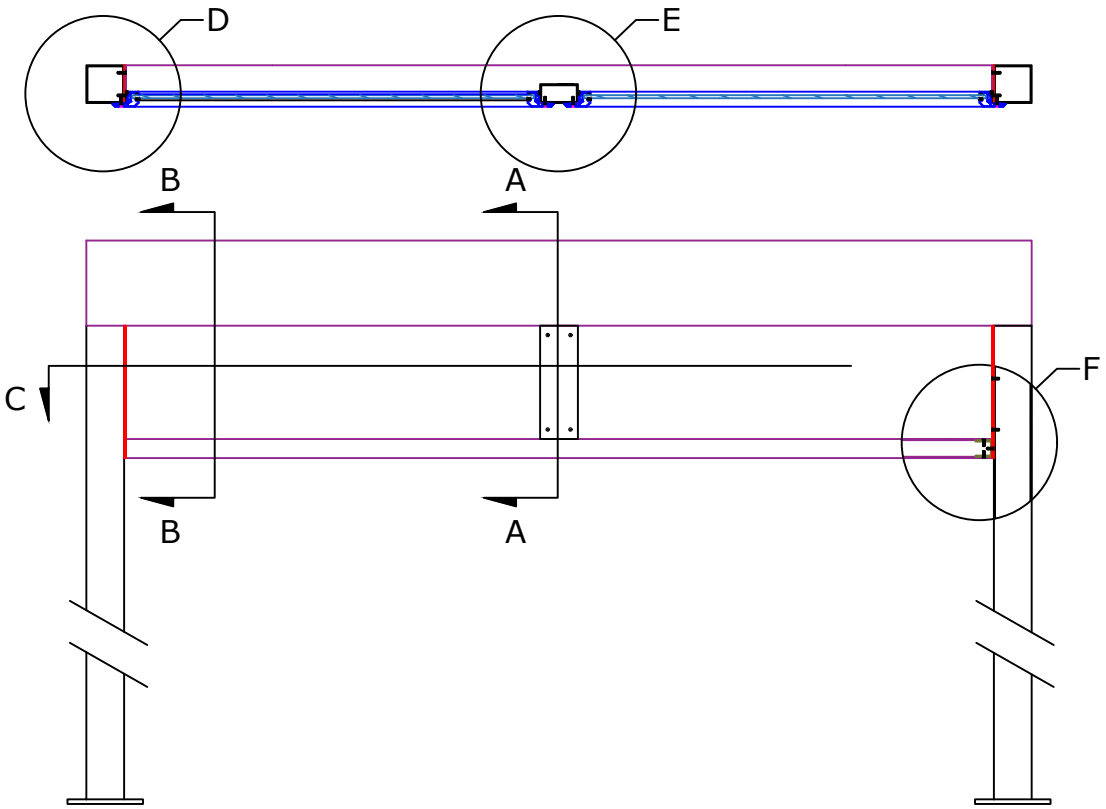
COMPONENTS

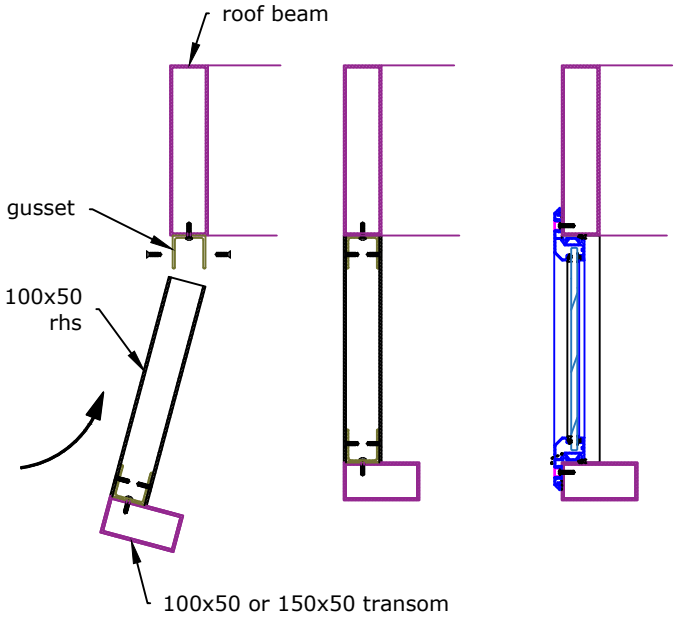




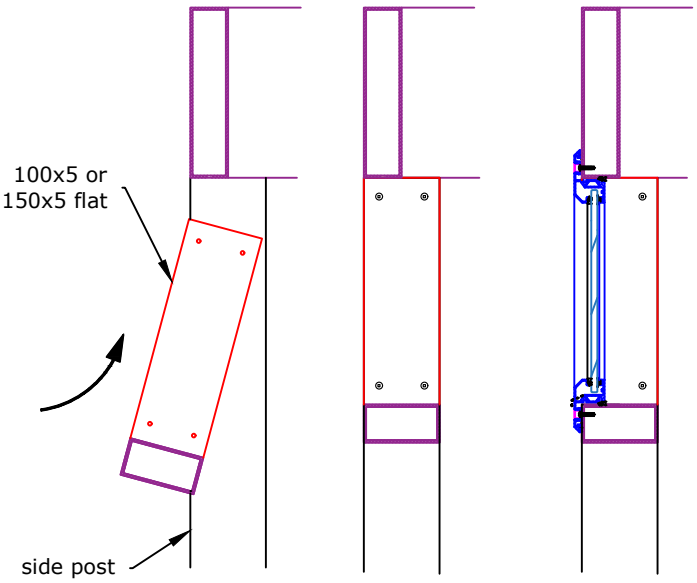
TYPICAL DETAIL:
SLIDETEC FACE FIXED, FIXED GLAZING PANELS

TYPICAL FIXING DETAILS





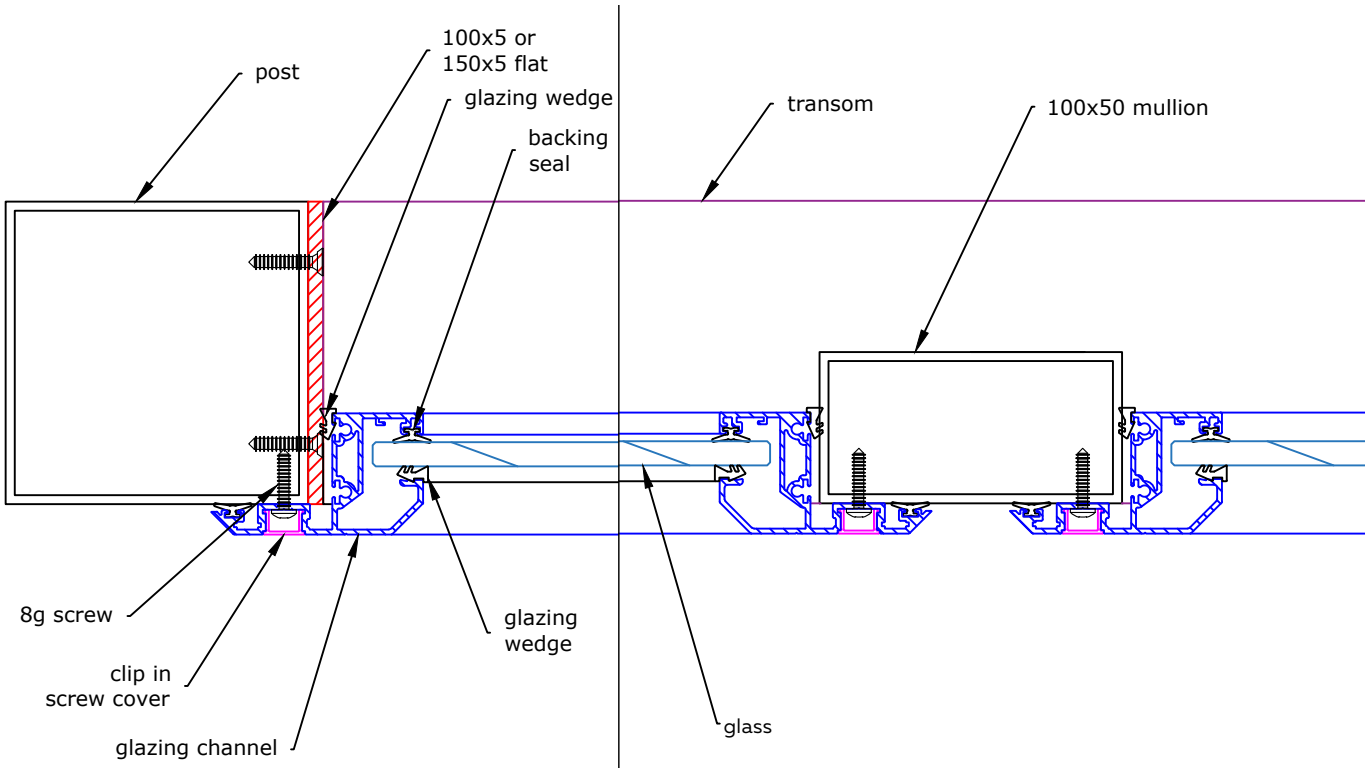
SECTION A: MULLION FIXING



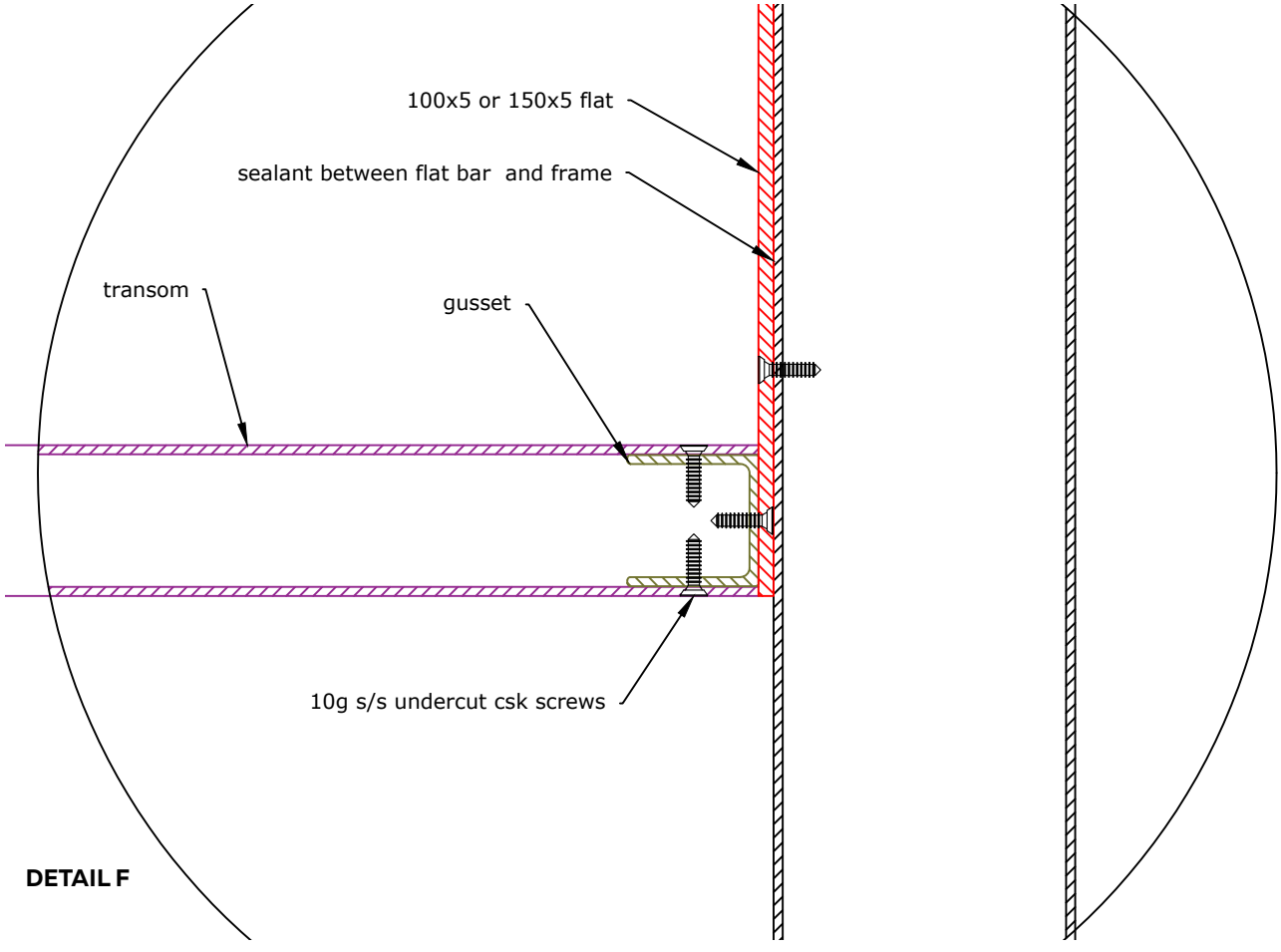
SECTION B: TRANSOM FIXING AT SIDES

FILE: SLIDETEC 5.38 DATE MODIFIED: 01/10/2024 SCALE:

TYPICAL FIXING DETAILS



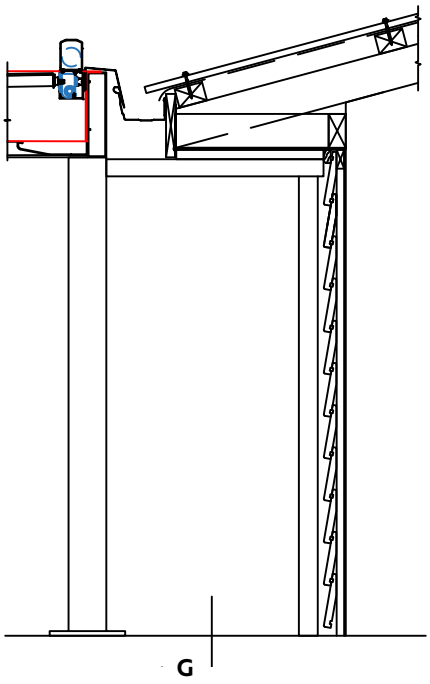
DETAIL D **DETAIL E**



DETAIL F

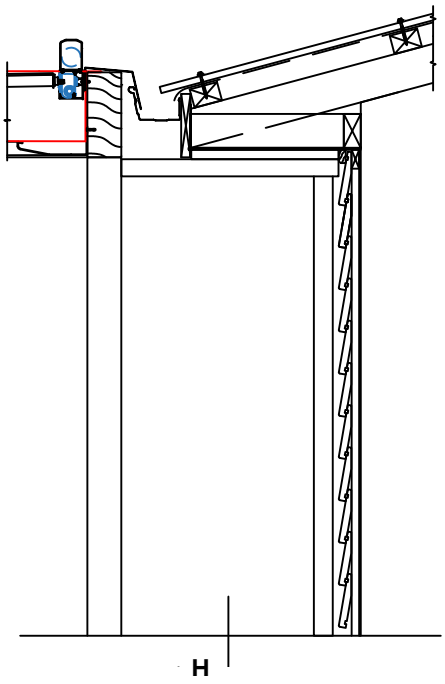
TYPICAL DETAIL:
SLIDETEC FACE FIXED, FIXED GLAZING PANELS

TYPICAL FULL HEIGHT FIXED PANELS



G

WITH POST FOOT



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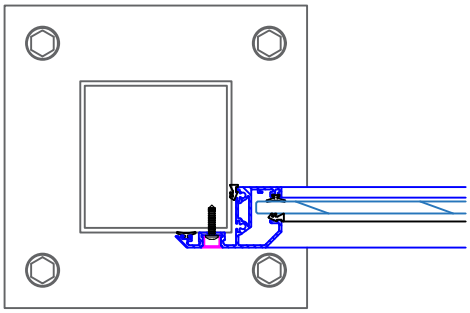

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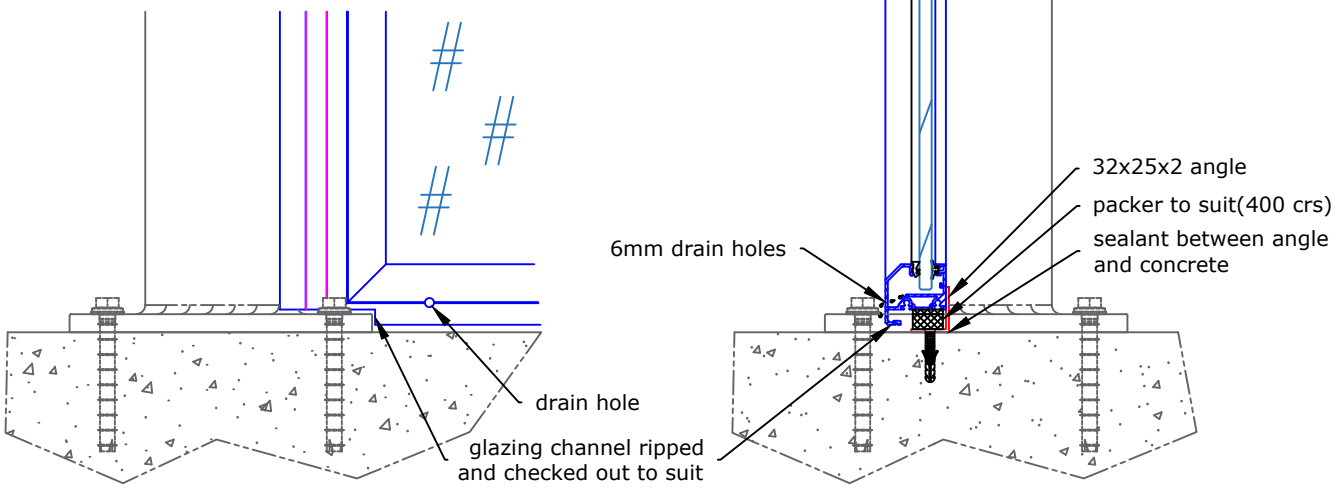

SECTION G

FILE: SLIDETEC 5.40 DATE MODIFIED: 01/10/2024 SCALE:

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LOUVRETEC PRODUCT WARRANTY

SLIDETEC FRAMELESS GLASS SLIDING DOORS & PANELS

The Louvretec range of products:

All Louvretec branded products are designed and engineered in Australia & New Zealand by Louvretec to comply with relevant AS/NZS standards - refer to full Louvretec Engineering data Design Manual 2025 Section 13.

Louvretec has the most extensive range of outdoor sun shading/ outdoor living products available in Australasia, backed by a comprehensive network of Louvretec Dealers.

Most Louvretec products sold in Australia are made in Australia*

Most Louvretec products sold in New Zealand are made in New Zealand*

*Some specialised products may only be made in Australia or in NZ and are shipped between each country.

The Authorised Louvretec Dealer Network:

Your Louvretec product will have been supplied and installed by your local Authorised Louvretec Dealer. All Louvretec Dealerships are privately owned, and the same Louvretec Dealer who supplied your Louvretec will also service your Louvretec.

Your Louvretec product has been "Engineered for Life" and we are committed to ensuring that happens.

Louvrecare:

Preventative maintenance and valet. Regular scheduled servicing by a Louvrecare team has real benefits. Louvrecare can vary between Dealerships - consult your local Louvretec Dealer.

LouvreCare
PREVENTATIVE MAINTENANCE & VALET

Engineered for Life

LouvreTec®
OPENING & RETRACT ROOFS / SUN LOUVRES / SHUTTERS

LOUVRETEC PRODUCT WARRANTY

slidetec
By Louvretec

SLIDETEC FRAMELESS GLASS SLIDING DOORS & PANELS

warranty details	All product installed by Louvretec (excluding glass*) or an Authorised Louvretec Installer, is from date of invoice, fully warranted for the first two years. This warranty covers workmanship, all componentry (except glass*) with all labour costs included.
product materials	All aluminium extrusions used in Louvretec's systems are manufactured in an IS09002 quality assured environment to AS1866 & AS3902 standards. Marine grade T316 stainless steel is used for drive axles, with stainless steel componentry fixings being standard. Plastic injected moulded componentry is all UV stabilised
powdercoat finishes	A wide range of exterior powder coat finishes are available. Duralloy or equivalent is the standard finish supplied unless stated otherwise and this carries a 10 year film and colour integrity warranty as per the Dulux Powder and Industrial Coatings Warranty. If your project has used the Duratec powdercoat range please refer to the Dulux Powder and Industrial Coatings Warranty wording.
anodised finishes	The current specifications re anodised aluminium range from 12-20-25 microns depth. The greater the microns the better the protection. With regular cleaning anosided material will retain its original integrity for no less than 10 years.
fully engineered	Our systems are designed to conform to New Zealand and Australian standards wind loadings. Full engineering details available on request.
cleaning	Periodic cleaning is essential to remove dirt, grime and accumulated salt deposits from both powder coated and anodised surfaces. Three steps for cleaning are: 1 Carefully remove any loose deposits with a wet sponge. 2 Use a soft non abrasive brush and a mild car cleaning detergent solution to remove dust, salt and other deposits. 3 Rinse off with clean fresh water. 4 Dry glass using a clean grit-free squeegee, cloth or paper towel
glass*	The glass chosen for your Slidetec system is fit for all purposes for which they are commonly supplied and are acceptable in appearance and finish to the standard referred to in AS/NZS 4667 and are safe and durable to the standard referred to in NZS 4223
effective from	Warranty effective from _____/_____/_____ Louvretec Representative _____ Print name _____ Site Adddress _____

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