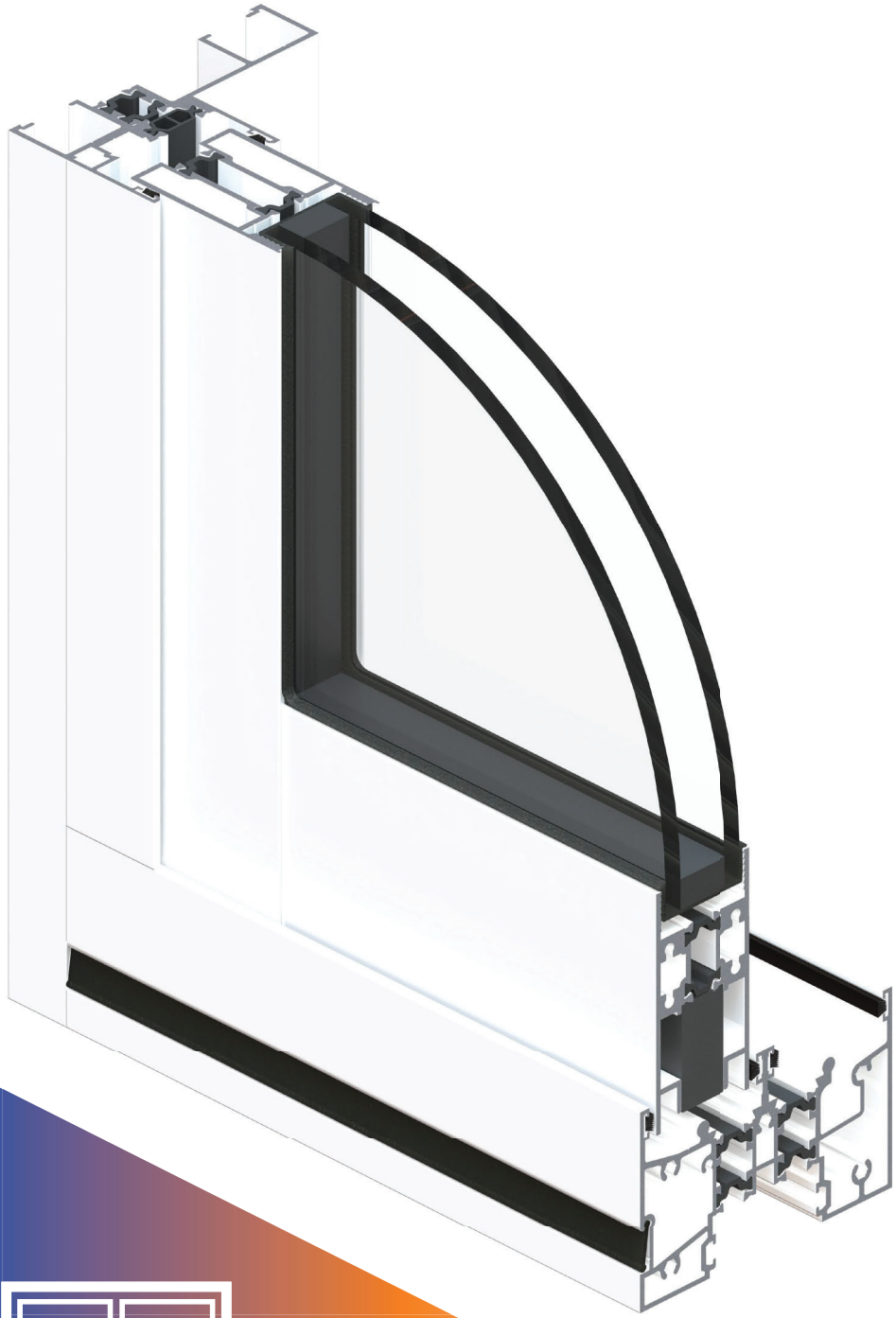
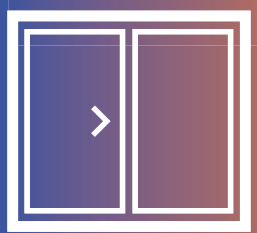
ClimateGuard™
Thermally-broken Windows & Doors

DARLEY ALUMINIUM

TECHNICAL MANUAL

Sliding Window System





1200 Structural Deflection
Tested Pressure (Pa)

0.71 Air Infiltration
Leakage at 150 Pa

450 Water Rated
Tested Pressure (Pa)

3500 Ultimate Strength
Tested Pressure (Pa)

34 Acoustic Performance
Estimated Rw Value

BAL 40 BAL Fire Rating
Deemed to Satisfy

U Value
2.2 - 3.1

Max 30mm

Transom Draining

Subsill Draining

JUL 2026 | VERSION 6.1

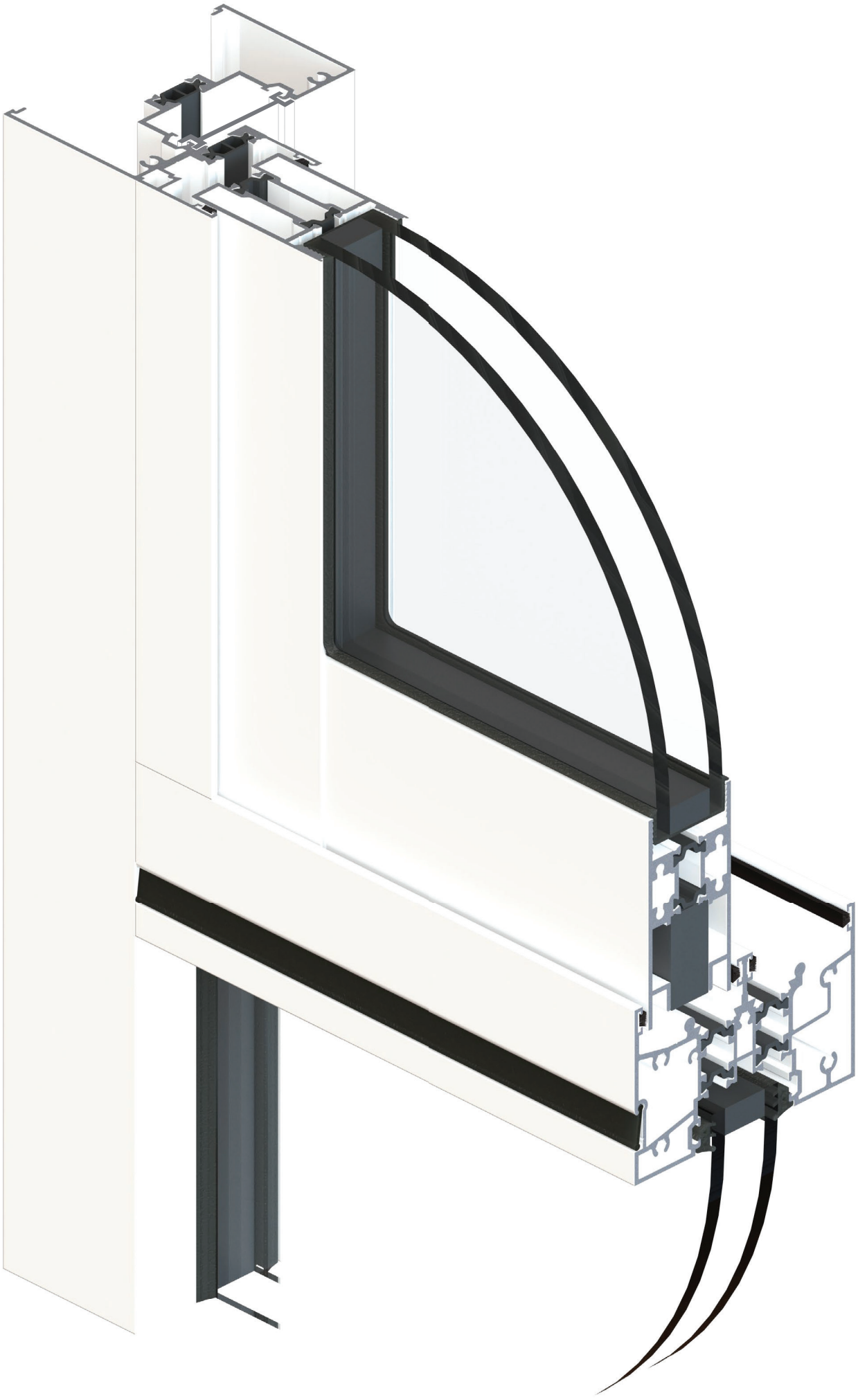
Disclaimer

Darley Aluminium strives to ensure the technical details contained in this manual are complete and correct. Occasionally, some errors or outdated information may require rectification - Darley Aluminium takes no responsibility for any loss or damage as a result of these errors. If you are unsure of any information provided within this manual, please contact your nearest Darley Aluminium office.

Engineering, manufacture and installation of frames must meet requirements of AS2047 (Windows in Buildings), AS 3959 (BAL) and WERS (Window Energy Rating Scheme). Glazing selected must meet requirements of AS 1288 (Glass in Buildings). Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 (Wind Actions) or AS 4055 (Wind Loads for Housing). An Engineer should be consulted to ensure selected framing and installation meets the requirements as set out by the relevant Australian Standards.

Any reference to an Australian Standard within this manual is based on the interpretations of Darley Aluminium. Code Compliance responsibility remains with the user of this manual. Misuse or misinterpretation of the information in this manual or of the Australian Standards remains the responsibility of the user of this manual.

Copyright



Contents

Welcome

Overview

Darley's ClimateGuard™ Sliding Window System provides a high performance sliding solution that responds to the continual trend towards tighter energy rating requirements. The system is entirely thermally broken and provides greater energy ratings, whilst maintaining a competitive level of wind and water performance.

ClimateGuard™ Sliding Window is the future and ensures your fabrication and design remains contemporary and competitive within the market. The system is suitable for high end commercial developments and apartments.

Design Features

- Accepts glass thickness from 24mm to 30mm
- Includes a sill transom for use with lowlights
- Can have panels up to 300kg based on rollers available
- Thermally broken system for higher performance energy values
- Compatible with other Darley Aluminium Commercial Systems
- Tested and Approved by an independent NATA accredited laboratory

Performance Summary

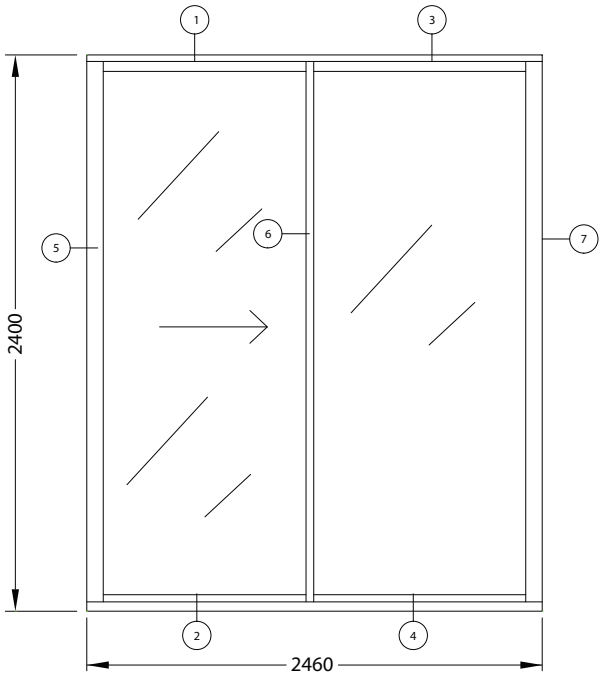
- Tested overall unit height of 2400mm (with lowlight, sliding window at 1636mm height)
- Tested overall unit width of 2540mm
- Serviceability: 1200Pa Positive and Negative
- Air Infiltration: 0.71 L/s.m^2 Positive and 0.89 L/s.m^2 Negative
- Water Penetration: 350Pa Standalone, 450Pa with Subframing
- Ultimate: 3500Pa Positive and Negative
- Also tested at FS door sizing (See 'Performance' section for more detail)
- Size limitations are governed by design intent, glass selection and local wind load and deflection requirements. For further technical assistance and fabricator selection contact Darley Aluminium.
- An Engineer should be consulted to ensure selected framing meets the requirements as set out in the relevant Australian Standards.

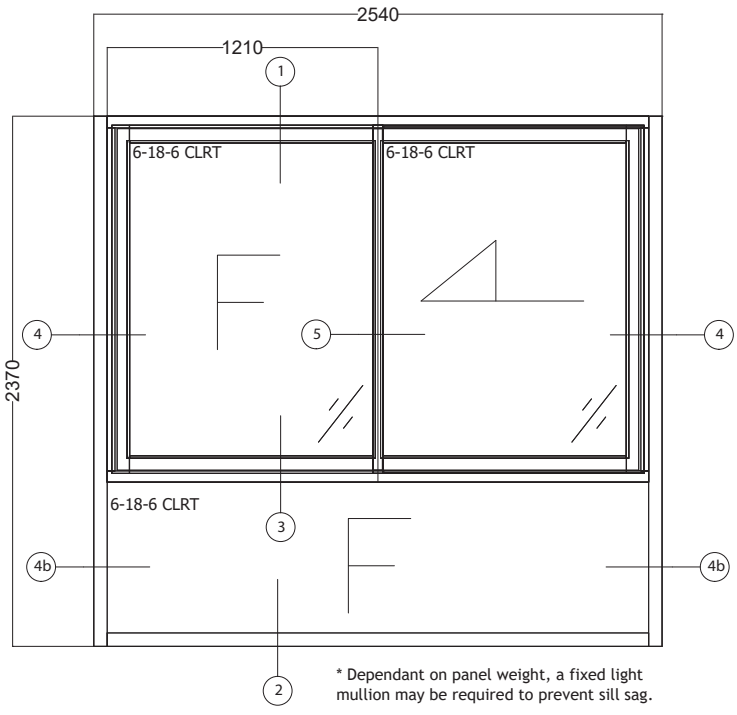
System Requirements

- Engineering, manufacture and installation of frames must meet requirements of:
  - AS2047-2048 (Windows in Buildings)
  - AS/NZS 1170 (Loading Code)
  - AS/NZS 1664 (Aluminium Structures Code)
- Glazing selected must meet requirements of AS1288 (Glass in Buildings)

Configuration

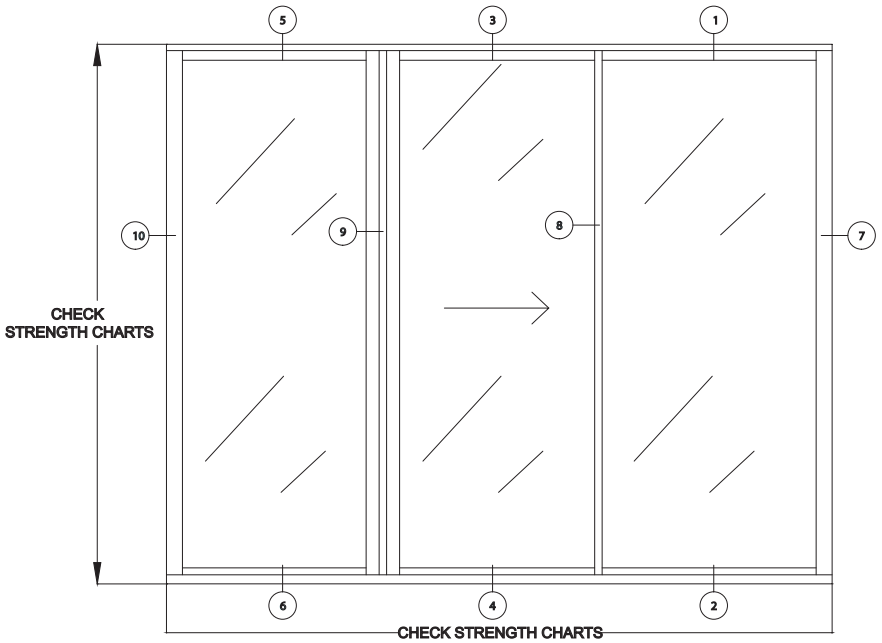
General Configuation

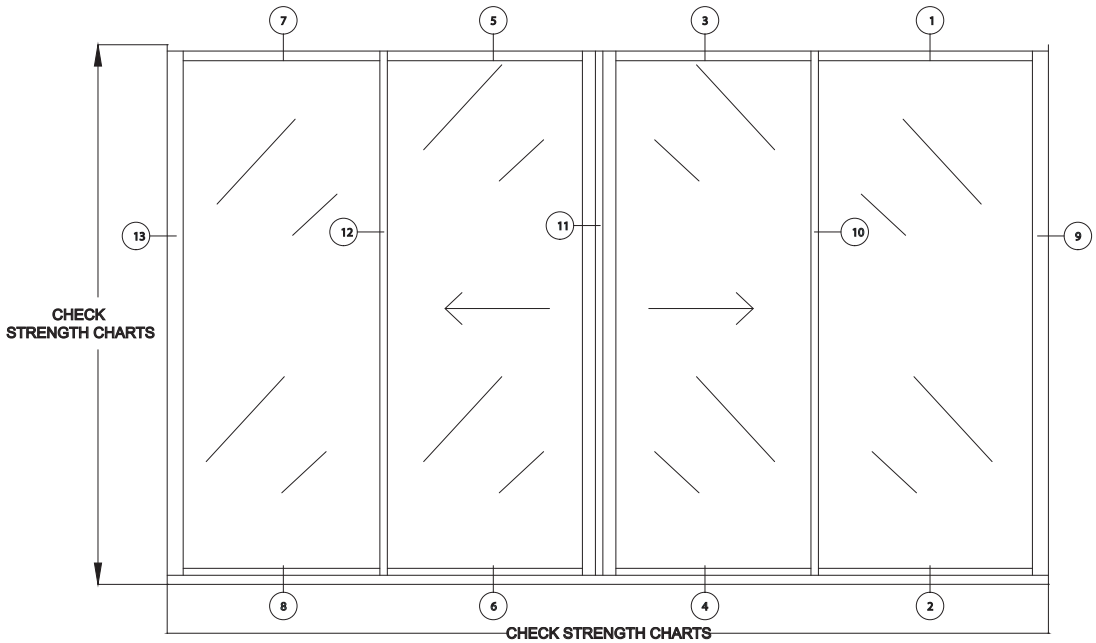




NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

General Configuation

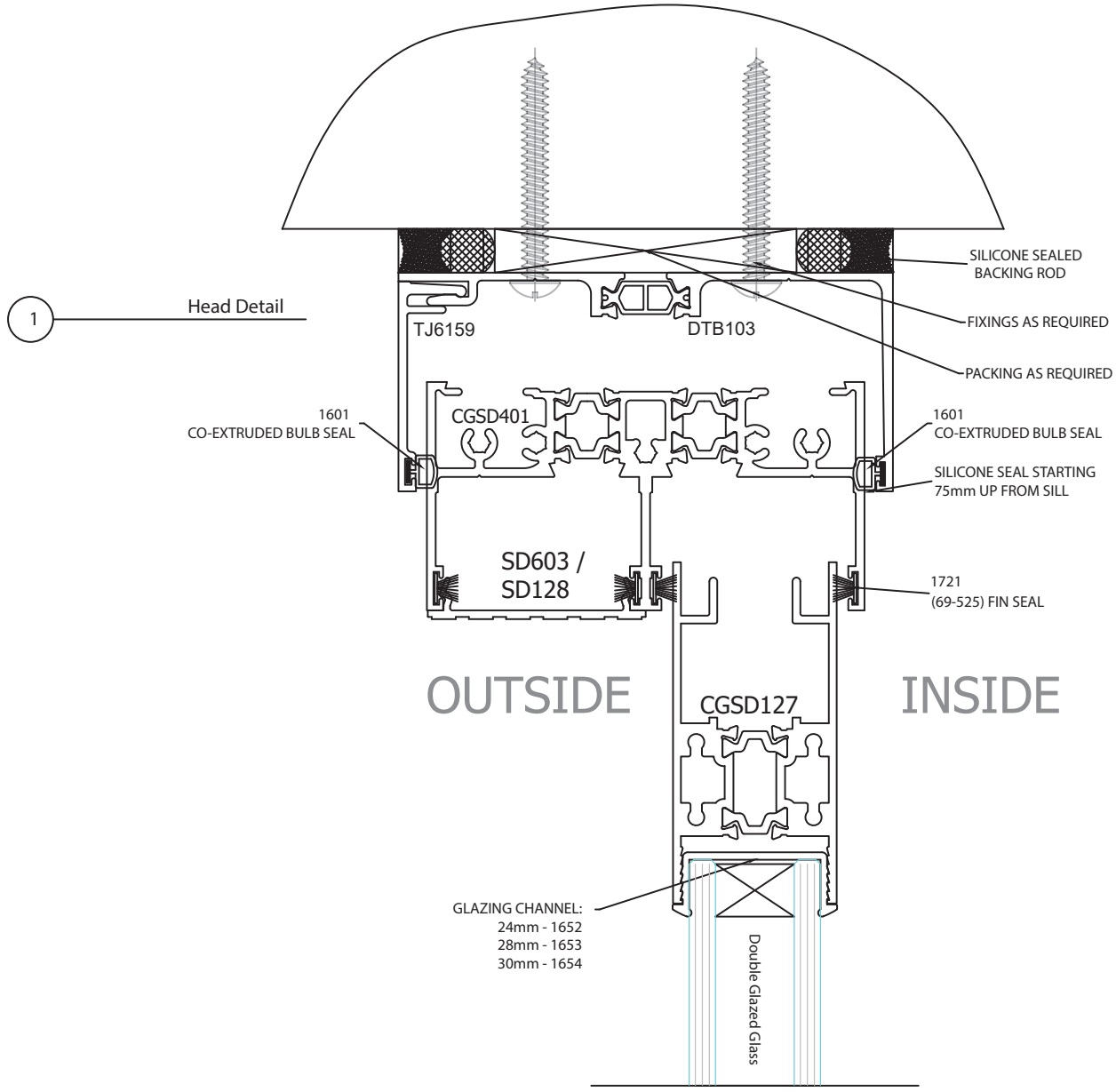




NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

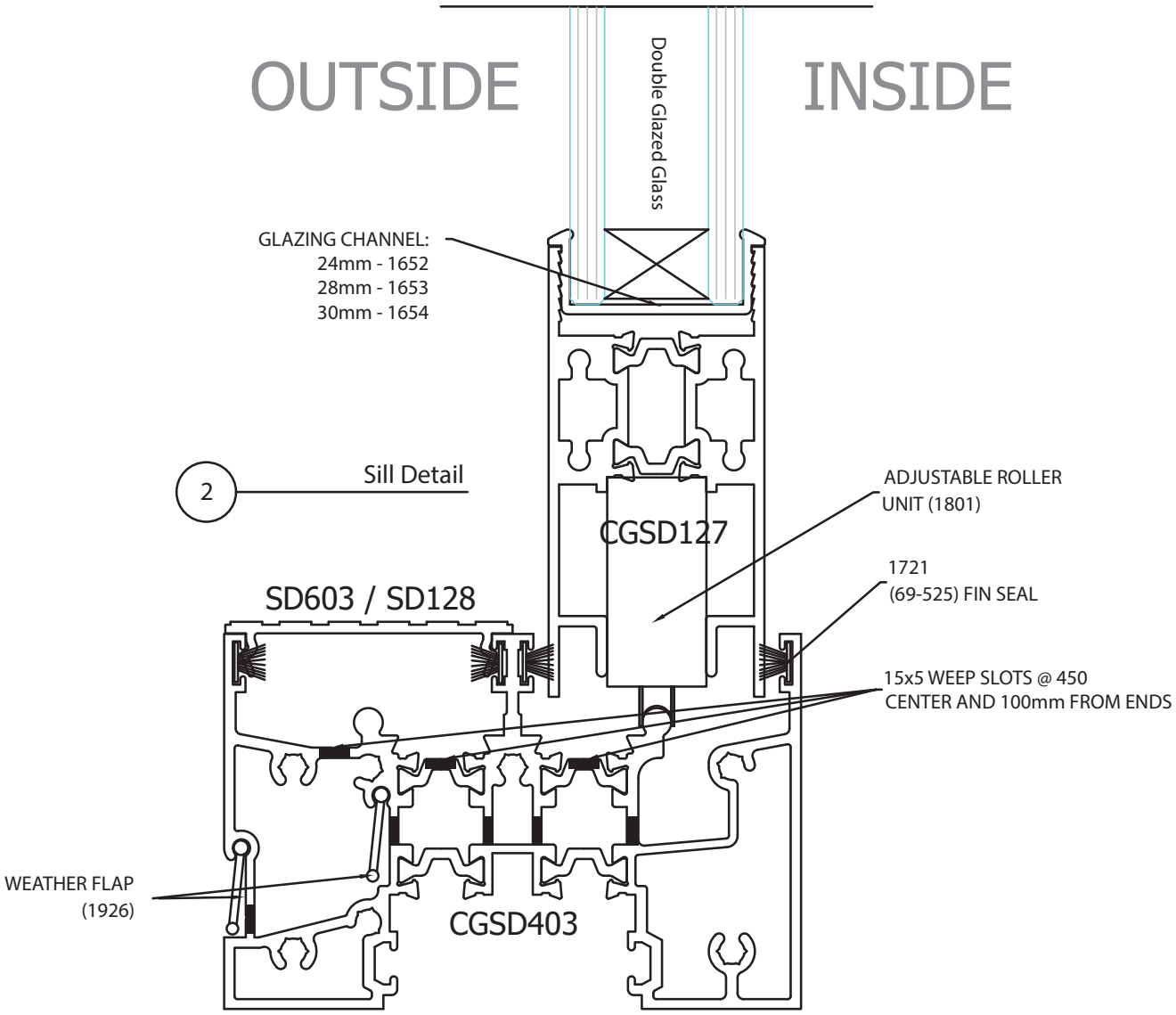
Cross Sections

Head Option: FS Operable Panel



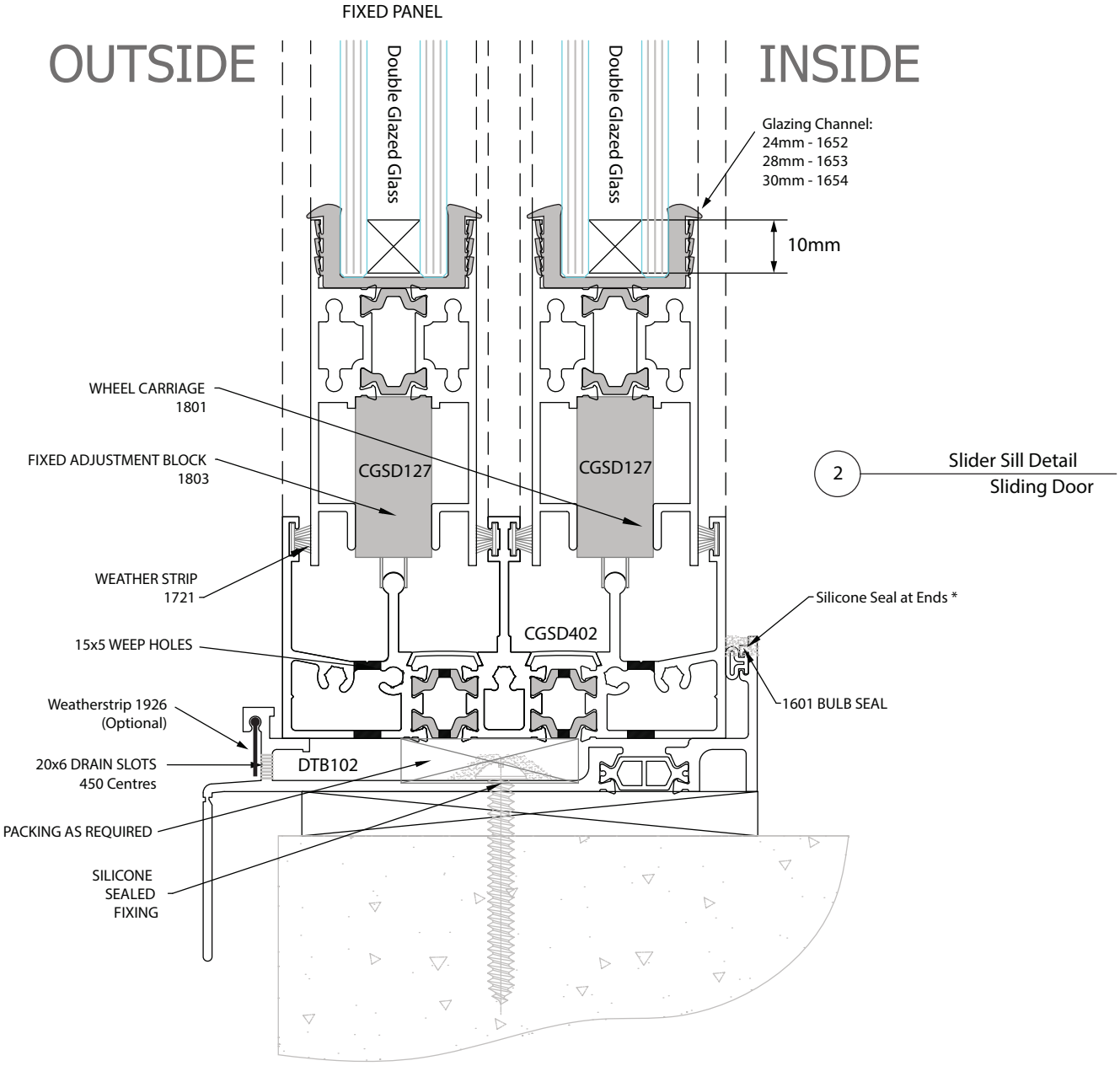
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Sill Option: FS Operable Panel
Self Draining CGSD403



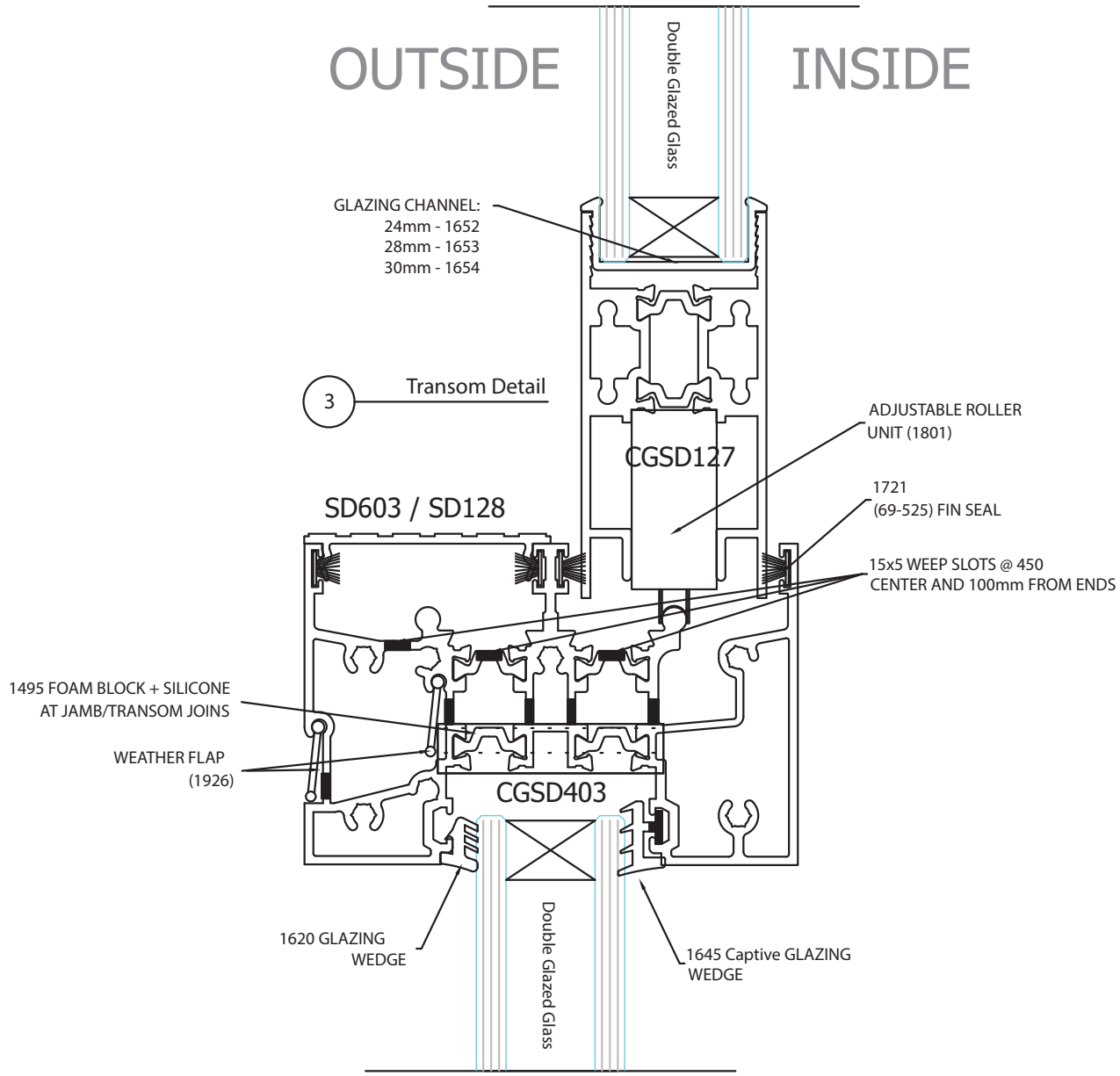
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Sill Option: FS Subsill Draining
CGSD402



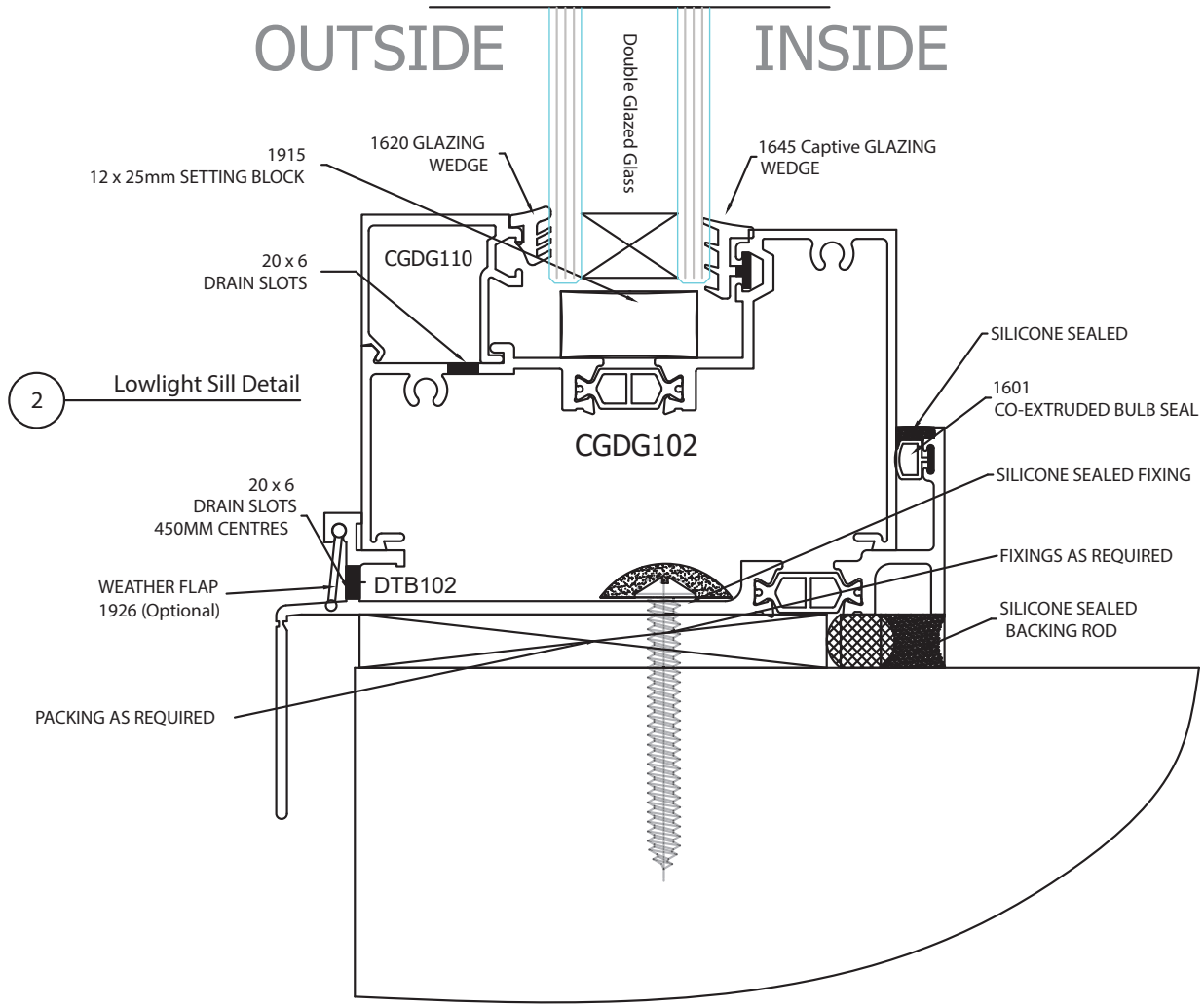
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Transom Option: FS



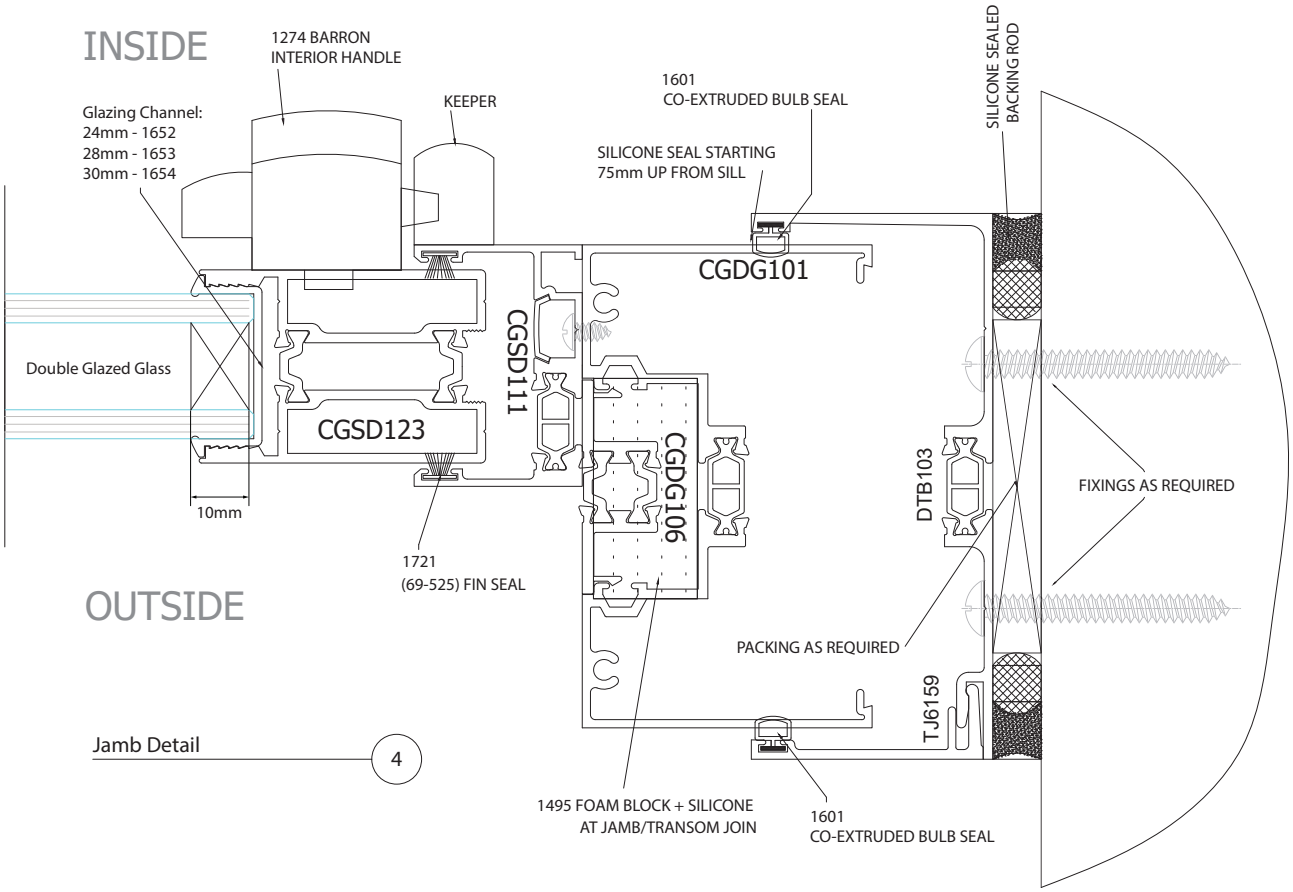
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Sill Option: Lowlight



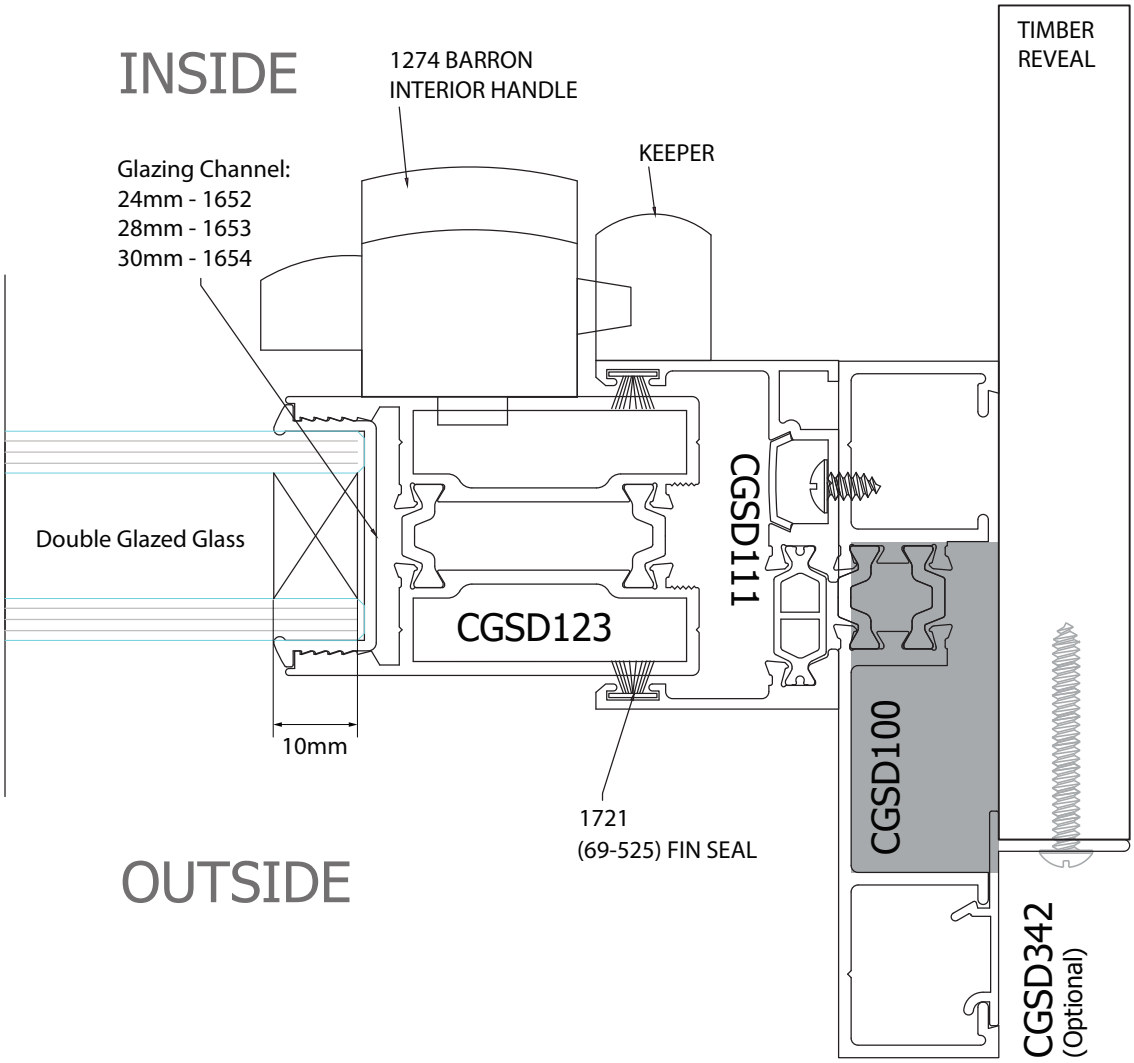
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Jamb Option: FS Sliding Panel (High/Lowlight Possible)



NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

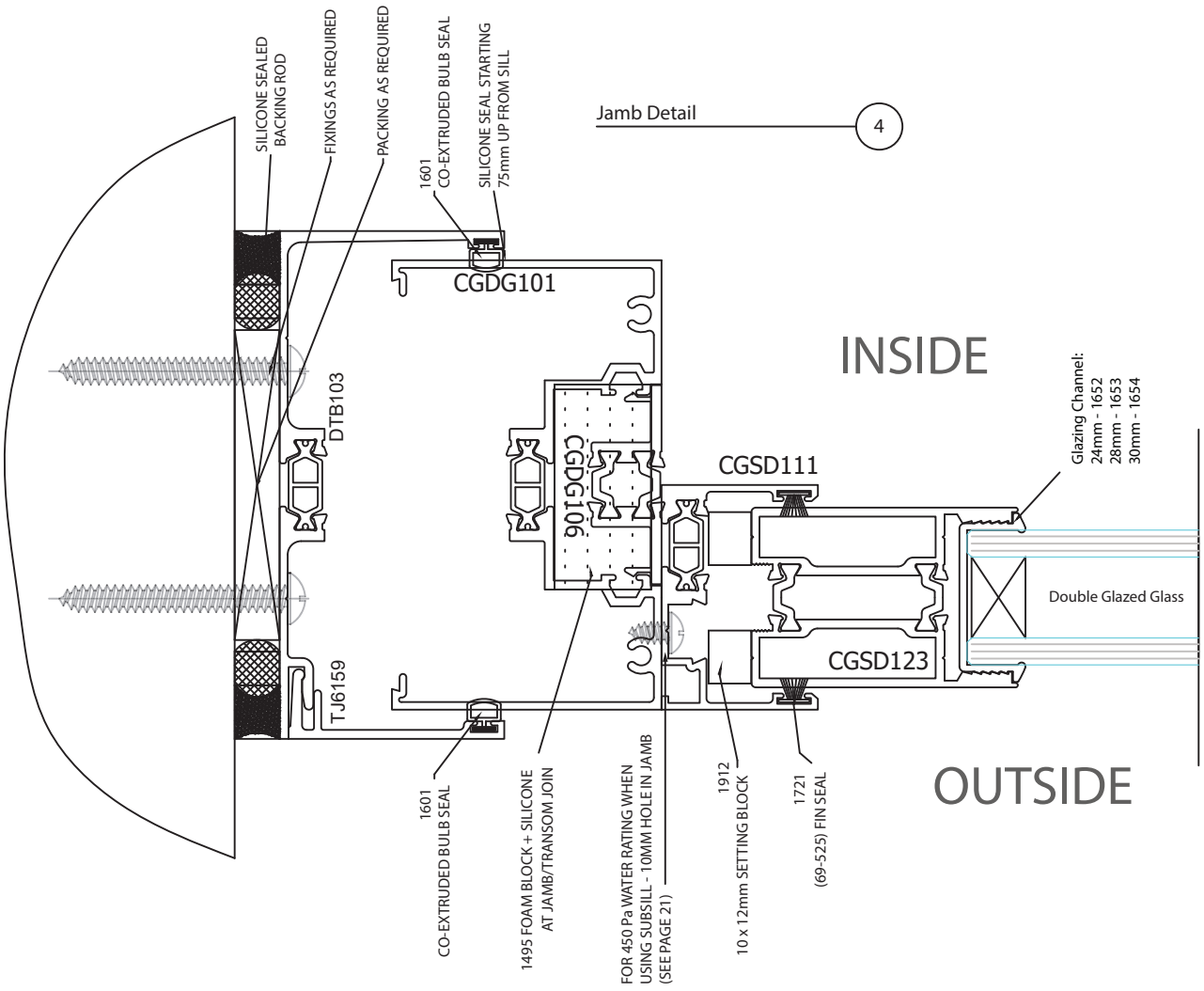
Jamb Option: FS Sliding Panel (High/Lowlight not Recommended)



Jamb Detail 4

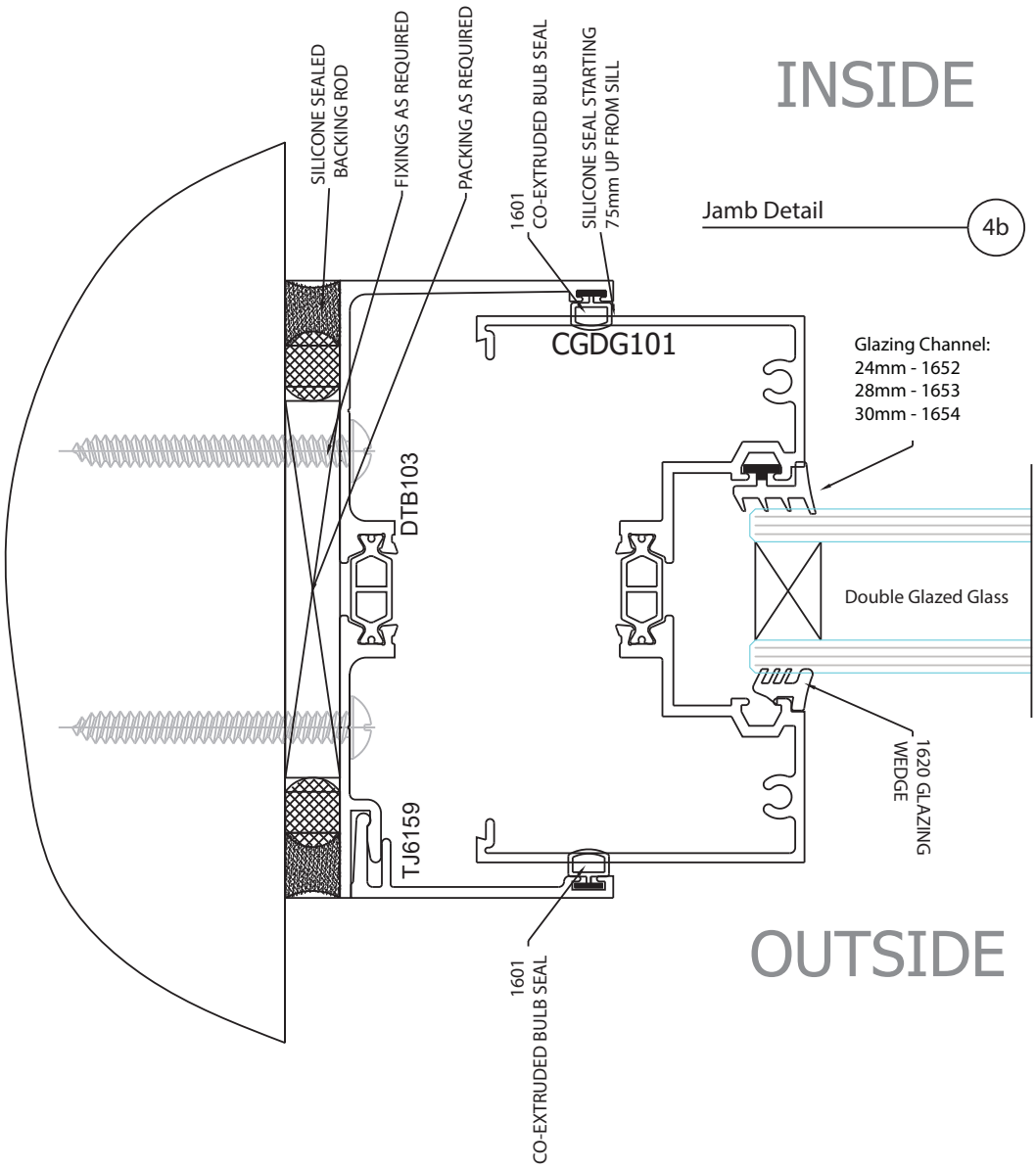
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Jamb Option: FS Fixed Panel (High/Lowlight Possible)



NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

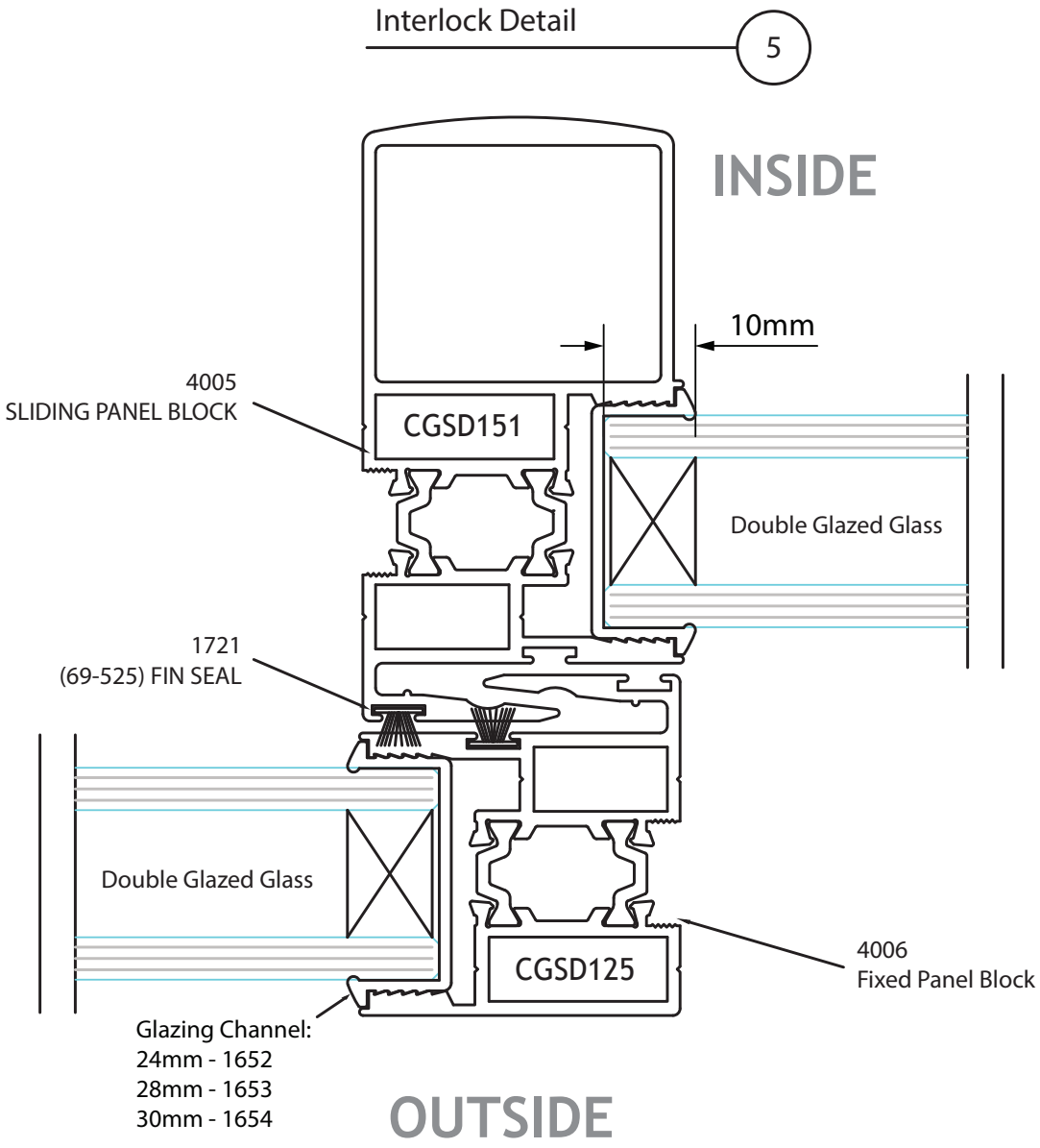
Jamb Option: Highlight/Lowlight



* For more information, refer to the ClimateGuard 100mm Centre Glazed Framing Technical Manual.

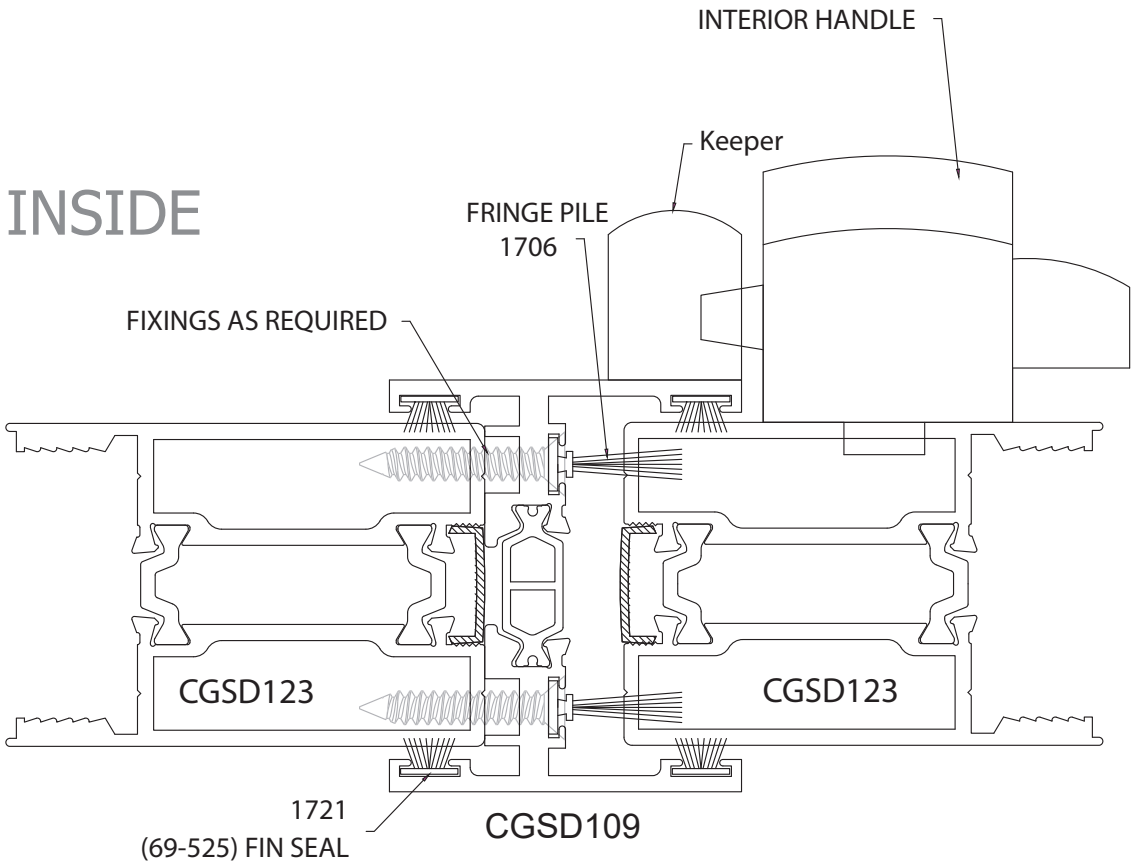
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Interlock Option: FS



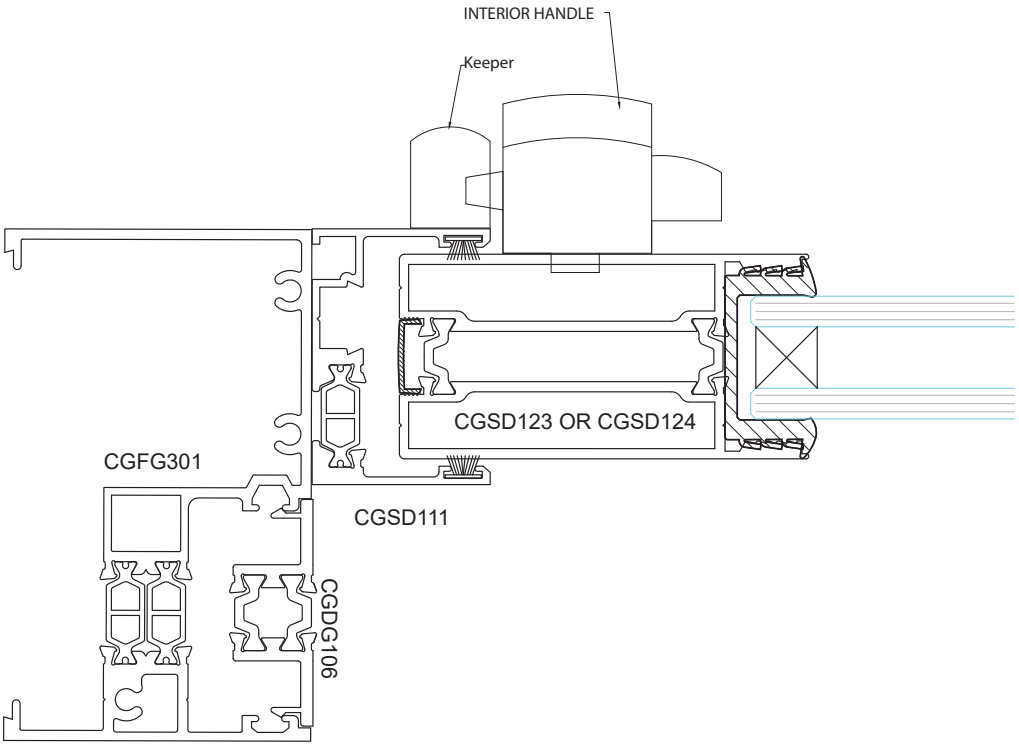
NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Interlock Option: FSSF Using CGSD109

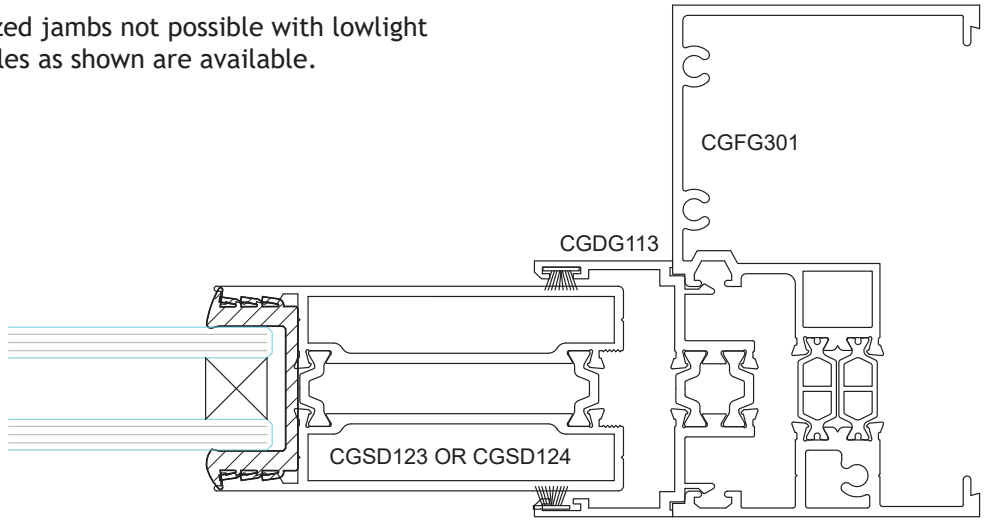


NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Alternative Jamb Option: Front Glazed Detail

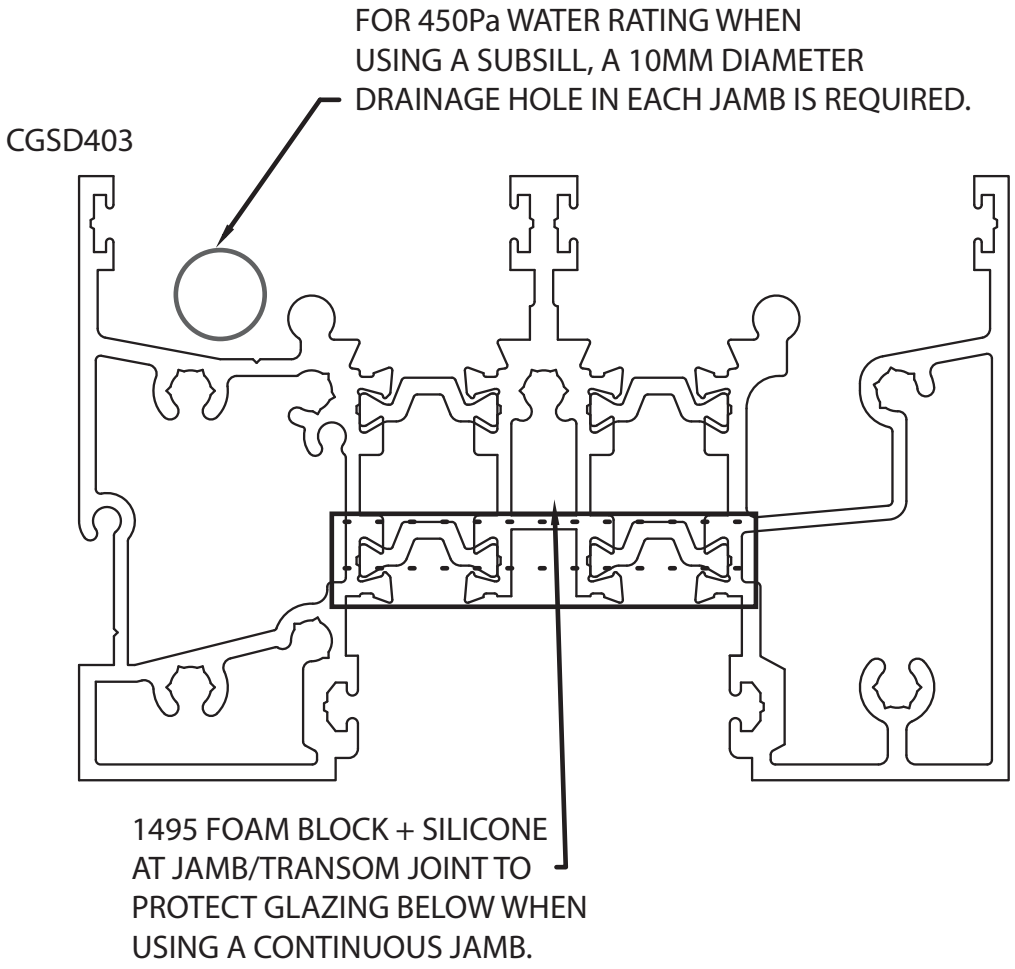


*NOTE:
Front glazed jambs not possible with lowlight
Larger stiles as shown are available.



NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Transom Block for Lowlights



NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

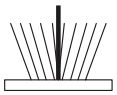
Hardware

Small Parts

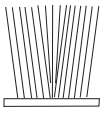
Transom Plug
Part No. 1495
(9 per Sheet)

1926
WEATHER FLAP

1601
BULB SEAL

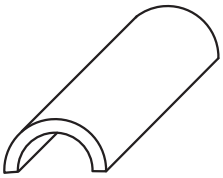


1721
FINSEAL



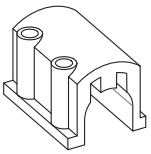
1710
WEATHER STRIP

1706
FSSF
WEATHER STRIP

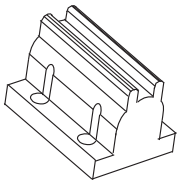


1698
OPTIONAL INFILL
(FOR BREAKS)

1834
9-10mm HOLE PLUG



1963
UNIVERSAL WINDOW
STOP



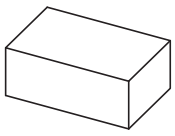
1964
UNIVERSAL WINDOW
STOP PACKER

1965
ANTI-LIFT BLOCKS

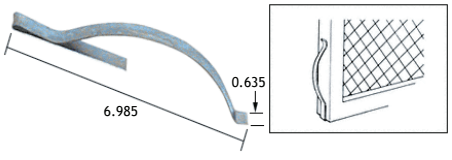
24mm CHANNEL (1652)

28mm CHANNEL (1653)

30mm CHANNEL (1654)



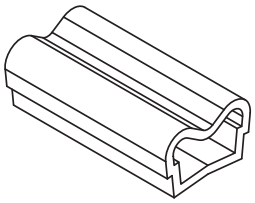
1912
FIXED PANEL
SPACING BLOCK



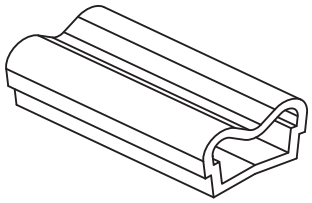
1850
FLY SCREEN SPRINGS

2680
HFF180 CORNER STAKES

Small Parts



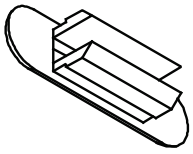
1673
PVC BUFFER BLOCK



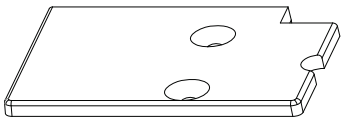
1673-150
PVC BUFFER
BLOCK 150mm

1678
INTERLOCK BLOCK
(to suit CGSD151)

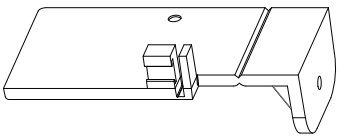
1679
INTERLOCK BLOCK
(to suit CGSD152)



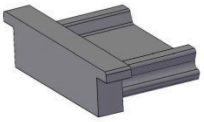
1990
SILL PLUG



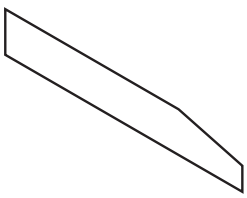
4005
FILLER BLOCK



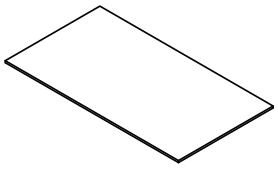
4006
ANTI-LIFT BLOCK



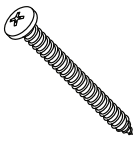
1598
THRESHOLD END
BUFFER



Subsill End Dam
Part No. 1938



Mainframe Gasket
Part No. 1442 (100mm head/sill)

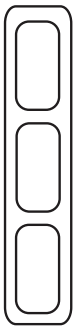


Screws
#8 x 15mm SS C/S
#8 x 20mm SS Pan
#8 x 50mm SS Pan
#10 x 15mm SS Pan
#10 x 25mm SS Pan
#10 x 50mm SS Pan

Fabrication

Small Parts

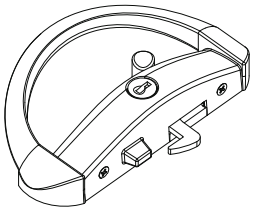
1252
SLIDING DOOR LOCK
ONYX HANDLE - BLACK
(External blank mounting plate available - ordered on request)



1260
HANDLE PACKER - BLACK
(Must be used with 1252)

1260
Extra Wide Strike

1258
SLIDING DOOR LOCK
YARRAVIEW EDGE -
CYLINDERS SOLD SEPARATELY
(External blank mounting plate available - ordered on request)



1271
BARRON WINDOW LOCK

1274
SLIMLINE BARRON
WINDOW LOCK

1800
SINGLE WHEEL
ROLLER - 40KG

1801
DOUBLE WHEEL
ROLLER - 80KG

1802
DOUBLE WHEEL
ROLLER - 110KG

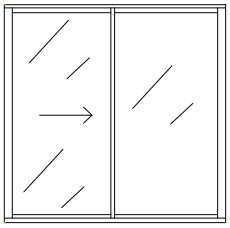
1803
FIXED PANEL
ADJUSTMENT BLOCK

1804
SINGLE WHEEL
ROLLER - 40KG

1808
QUAD WHEEL
ROLLER - 150KG

Machining

Cutting Formula: FS



CLIMATE GUARD FS WINDOW WITH CENTRE GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS AND LOW LIGHTS)

FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGDG101	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH OR LOW LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-120	NO LOW LIGHT POSSIBLE WTH CGSD402
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	2	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	SEE STRENGTH CHARTS FOR
CGSD151	BOX INTERLOCK	1	SEE NOTE	ADDITIONAL INTERLOCK COMBOS
CGSD127	RAIL	4	(W-300)/2	
CGDG106	POCKET FILLER	2	H	
SD603	THRESHOLD	2	W-Rail-236	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	2	Stile-136	Rail+20

CLIMATE GUARD FS WINDOW WITH DEDICATED JAMBS

FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGSD100	JAMBS	2	H	NO CONTINUOUS HIGH LIGHT OR LOW LIGHT POSSIBLE
CGSD401	HEAD	1	W-46	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-46	
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	2	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	SEE STRENGTH CHARTS FOR
CGSD151	BOX INTERLOCK	1	SEE NOTE	ADDITIONAL INTERLOCK COMBOS
CGSD127	RAIL	4	(W-246)/2	
SD603	THRESHOLD	2	W-Rail-172	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	2	Stile-136	Rail+20

CLIMATE GUARD FS WINDOW WITH FRONT GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS)

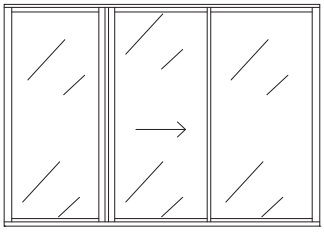
FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGFG301	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-120	
CGSD111	RECEIVER CHANNEL SCREW FIX	1	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGDG113	RECEIVER CHANNEL CLIP ON	1	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	2	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	SEE STRENGTH CHARTS FOR
CGSD151	BOX INTERLOCK	1	SEE NOTE	ADDITIONAL INTERLOCK COMBOS
CGSD127	RAIL	4	(W-300)/2	
CGDG106	POCKET FILLER	1	H	
SD603	THRESHOLD	2	W-Rail-236	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	2	Stile-136	Rail+20

Cutting Formula: FSF



CLIMATE GUARD FSF WINDOW WITH CENTRE GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS AND LOW LIGHTS)

FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGDG101	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH OR LOW LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-120	NO LOW LIGHT POSSIBLE WTH CGSD402
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	
CGSD151	BOX INTERLOCK	1	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	6	(W-433)/3	
CGDG106	POCKET FILLER	2	H	
SD603	THRESHOLD	2	W-Rail-236	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	3	Stile-136	Rail+20

CLIMATE GUARD FSF WINDOW WITH DEDICATED JAMBS

FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGSD100	JAMBS	2	H	NO CONTINUOUS HIGH LIGHT OR LOW LIGHT POSSIBLE
CGSD401	HEAD	1	W-46	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-46	
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	
CGSD151	BOX INTERLOCK	1	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	6	(W-379)/3	
SD603	THRESHOLD	2	W-Rail-172	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	3	Stile-136	Rail+20

CLIMATE GUARD FSF WINDOW WITH FRONT GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS)

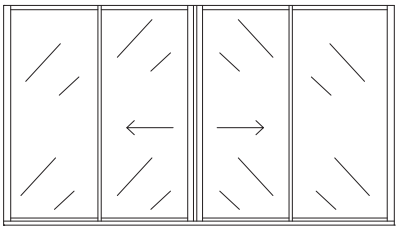
FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGFG301	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	CGSD402 SILL FOR SUBSILL, CGSD403 SELF DRAINING SILL	1	W-120	
CGSD111	RECEIVER CHANNEL SCREW FIX	1	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGDG113	RECEIVER CHANNEL CLIP ON	1	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	1	SEE NOTE	
CGSD151	BOX INTERLOCK	1	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	6	(W-433)/3	
CGDG106	POCKET FILLER	1	H	
SD603	THRESHOLD	2	W-Rail-236	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	3	Stile-136	Rail+20

Cutting Formula: FSSF



CLIMATE GUARD FSSF WINDOW WITH CENTRE GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS AND LOW LIGHTS)

FRAME SIZE	HEIGHT		WIDTH		QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGDG101	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH OR LOW LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	SELF DRAINING SILL	1	W-120	NO LOW LIGHT POSSIBLE WTH CGSD402
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	2	SEE NOTE	
CGSD151	BOX INTERLOCK	2	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	8	(W-477)/4	
CGDG106	POCKET FILLER	2	H	
SD603	THRESHOLD	2	W-2(Rail)-352	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	4	Stile-136	Rail+20

CLIMATE GUARD FSSF WINDOW WITH DEDICATED JAMBS

FRAME SIZE	HEIGHT	1000	WIDTH	1000	QUANTITY	1

NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGSD100	JAMBS	2	H	NO CONTINUOUS HIGH LIGHT OR LOW LIGHT POSSIBLE
CGSD401	HEAD	1	W-46	
CGSD402/CGSD403	SELF DRAINING SILL	1	W-46	
CGSD111	RECEIVER CHANNEL SCREW FIX	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	2	SEE NOTE	
CGSD151	BOX INTERLOCK	2	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	8	(W-423)/4	
SD603	THRESHOLD	2	W-2(Rail)-298	

GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	4	Stile-136	Rail+20

CLIMATE GUARD FSSF WINDOW WITH FRONT GLAZED JAMBS (SUITABLE FOR CONTINUOUS HIGH LIGHTS)

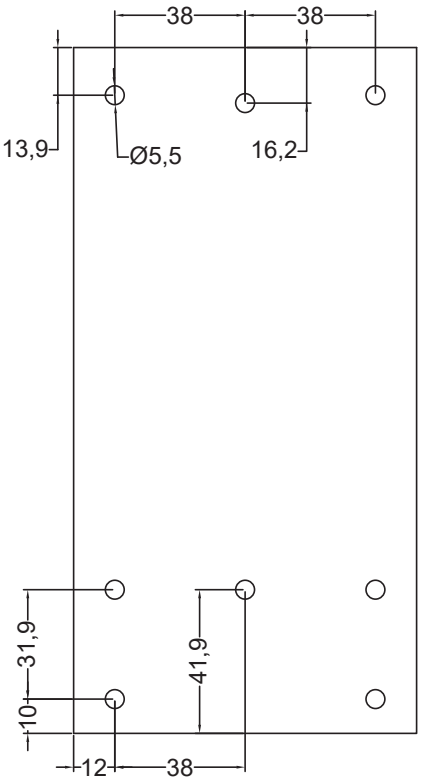
FRAME SIZE	HEIGHT	1000	WIDTH	1000	QUANTITY	1

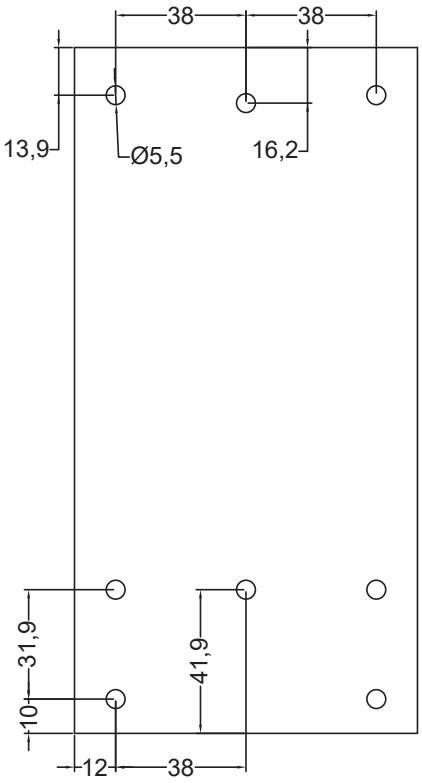
NOTE: MEASUREMENTS ARE BASED ON OVERALL FRAME SIZE(DO NOT INCLUDE SUB HEAD/SILLS)

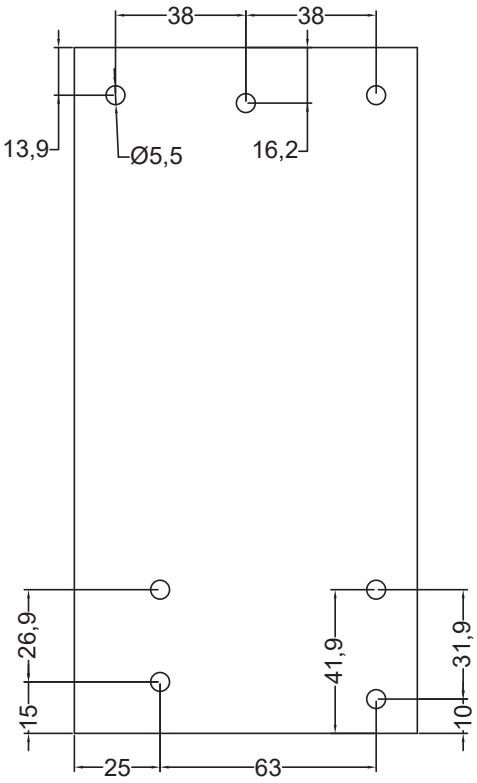
CODES	DESCRIPTION	QUANTITY	SIZES	NOTES
CGFG301	JAMBS	2	H	MAKE LONGER ACCORDINGLY IF HAVING HIGH LIGHTS
CGSD401	HEAD	1	W-120	
CGSD402/CGSD403	SELF DRAINING SILL	1	W-120	
CGDG113	RECEIVER CHANNEL CLIP ON	2	SEE NOTE	IF SILL IS CGSD403 = H -117, IF SILL IS CGSD402 = H-102
CGSD123	PLAIN STILE	4	SEE NOTE	IF SILL IS CGSD403 = H-95, IF SILL IS CGSD402 = H-80 SEE STRENGTH CHARTS FOR ADDITIONAL INTERLOCK COMBOS
CGSD125	STANDARD INTERLOCK	2	SEE NOTE	
CGSD151	BOX INTERLOCK	2	SEE NOTE	
CGSD109	MEETING RECEIVER	1	SEE NOTE	
CGSD127	RAIL	8	(W-477)/4	
CGDG106	POCKET FILLER	1	H	
SD603	THRESHOLD	2	W-2(Rail)-352	

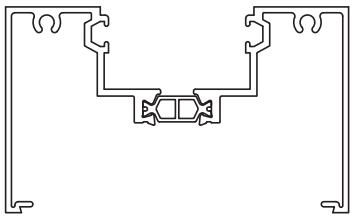
GLASS SIZES	QUANTITY	HEIGHT	WIDTH
	4	Stile-136	Rail+20

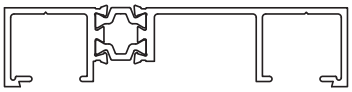
Machining Details: Jambs Using CGSD403



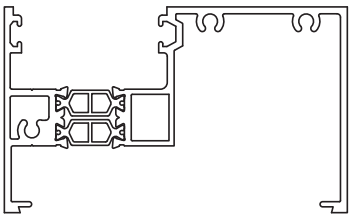








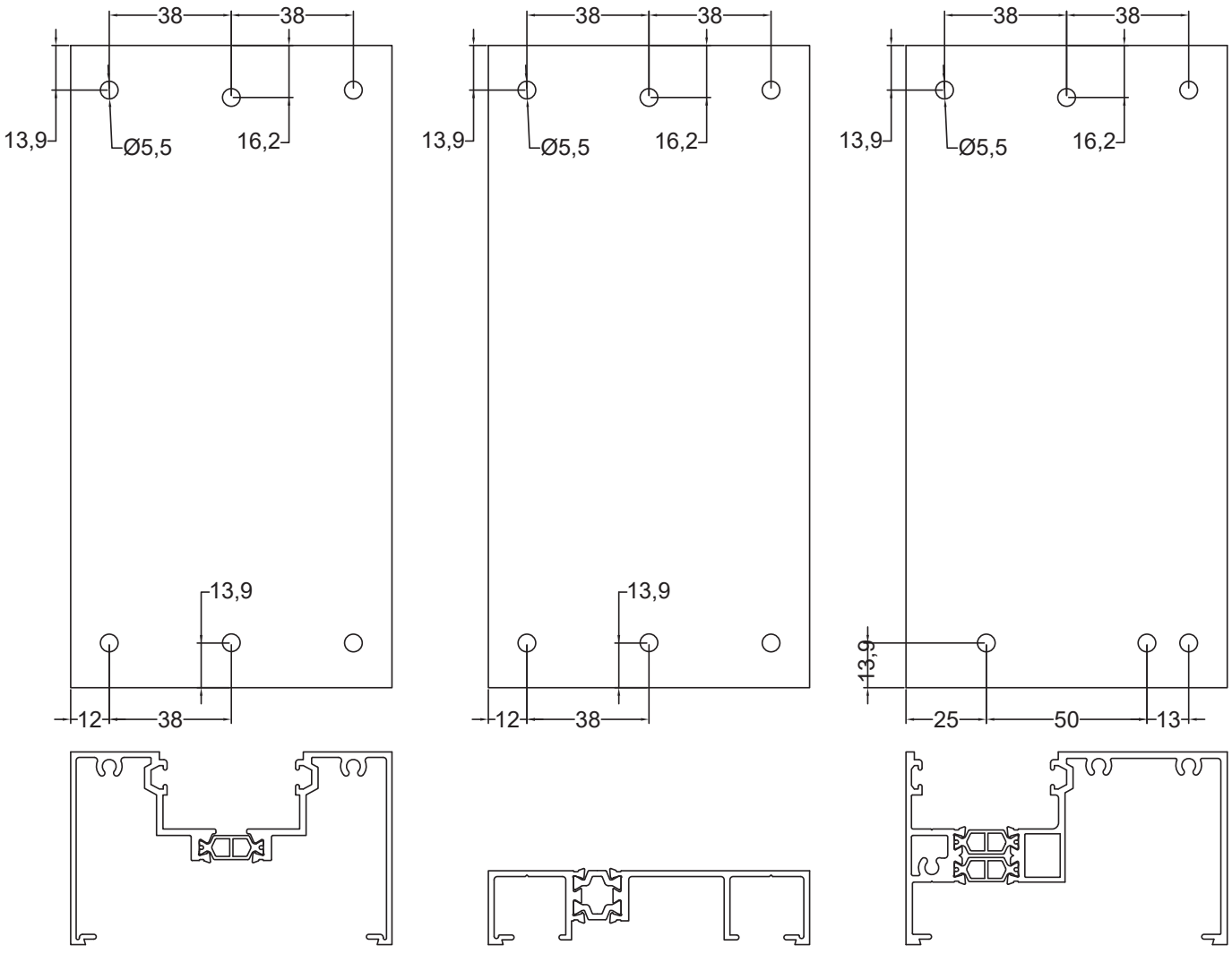
NOTE: Continuous highlight / lowlight not possible



NOTE: Continuous lowlight not possible

NOTES:
Machining is opposite handing for left and right jambs.

Machining Details: Jambs Using CGSD402

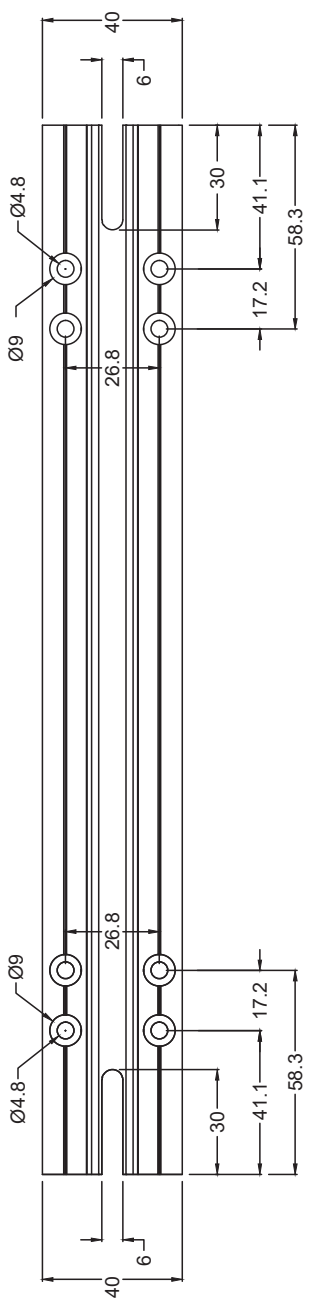


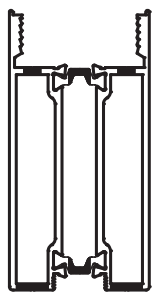
NOTE: Continuous highlight / lowlight not possible

NOTE: Continuous lowlight not possible

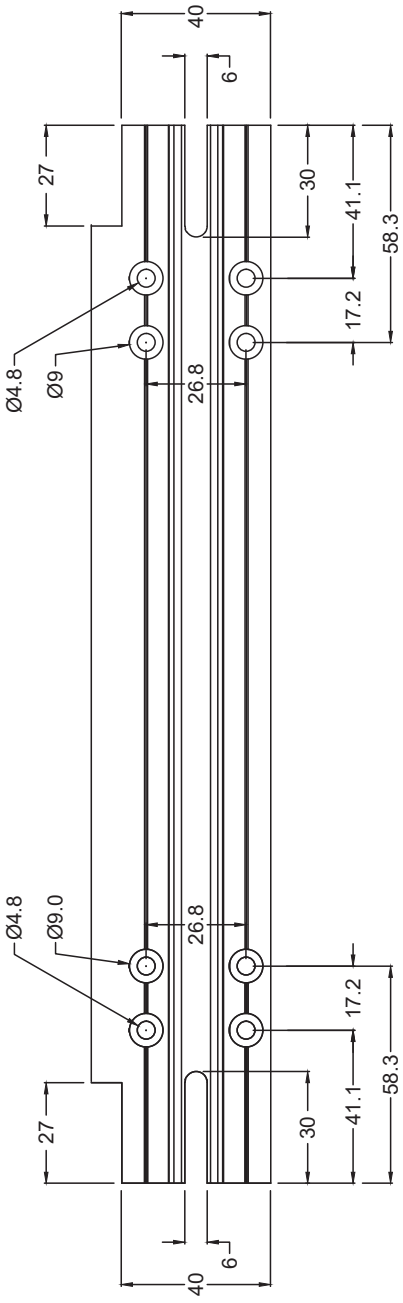
NOTES:
Machining is opposite handing for left and right jambs.

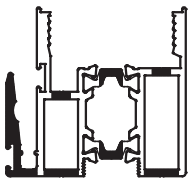
Machining Details: Panels



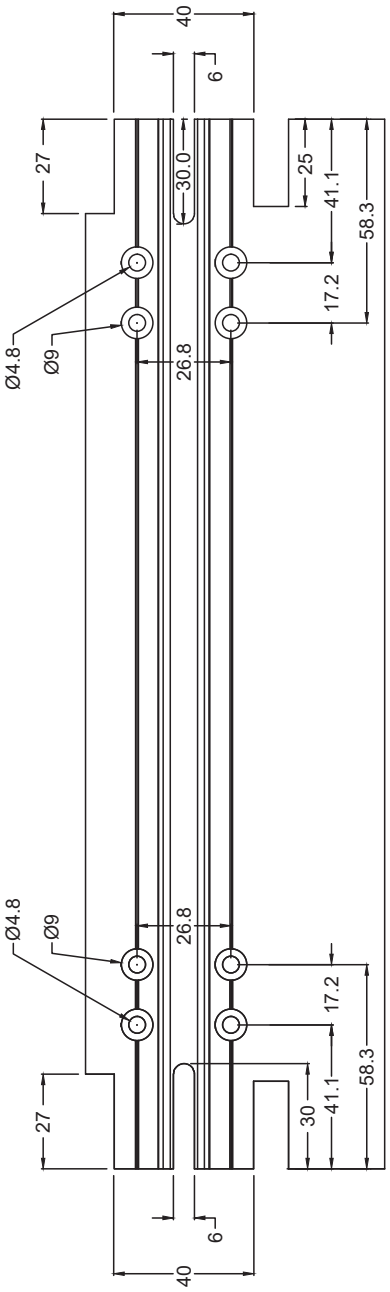


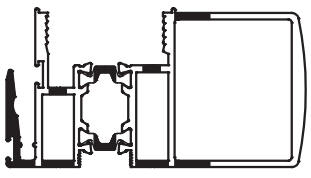
CGSD123
CGSD124





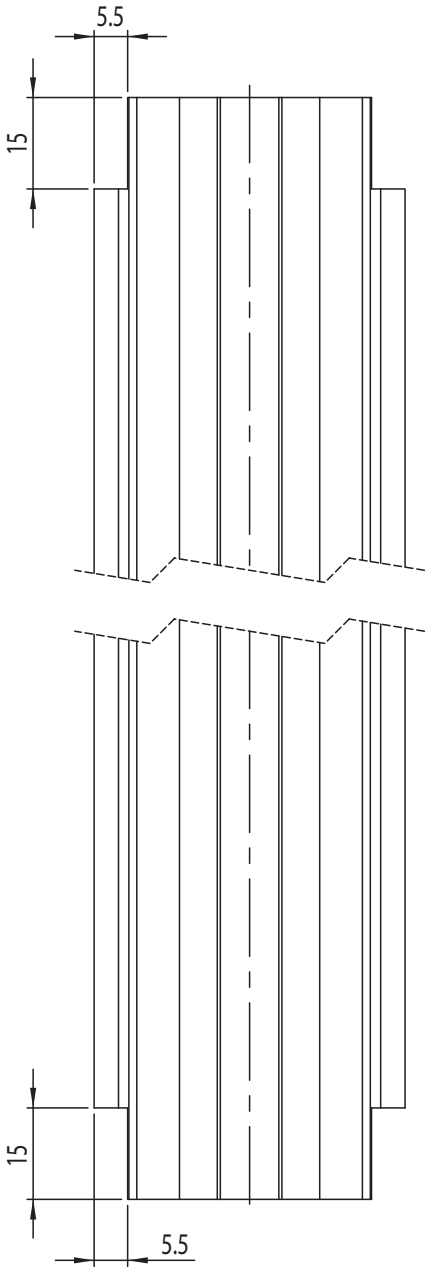
CGSD125



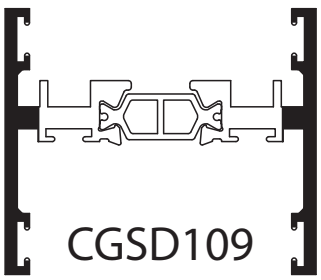


CGSD151
CGSD152

Machining Details: Meeting Receiver

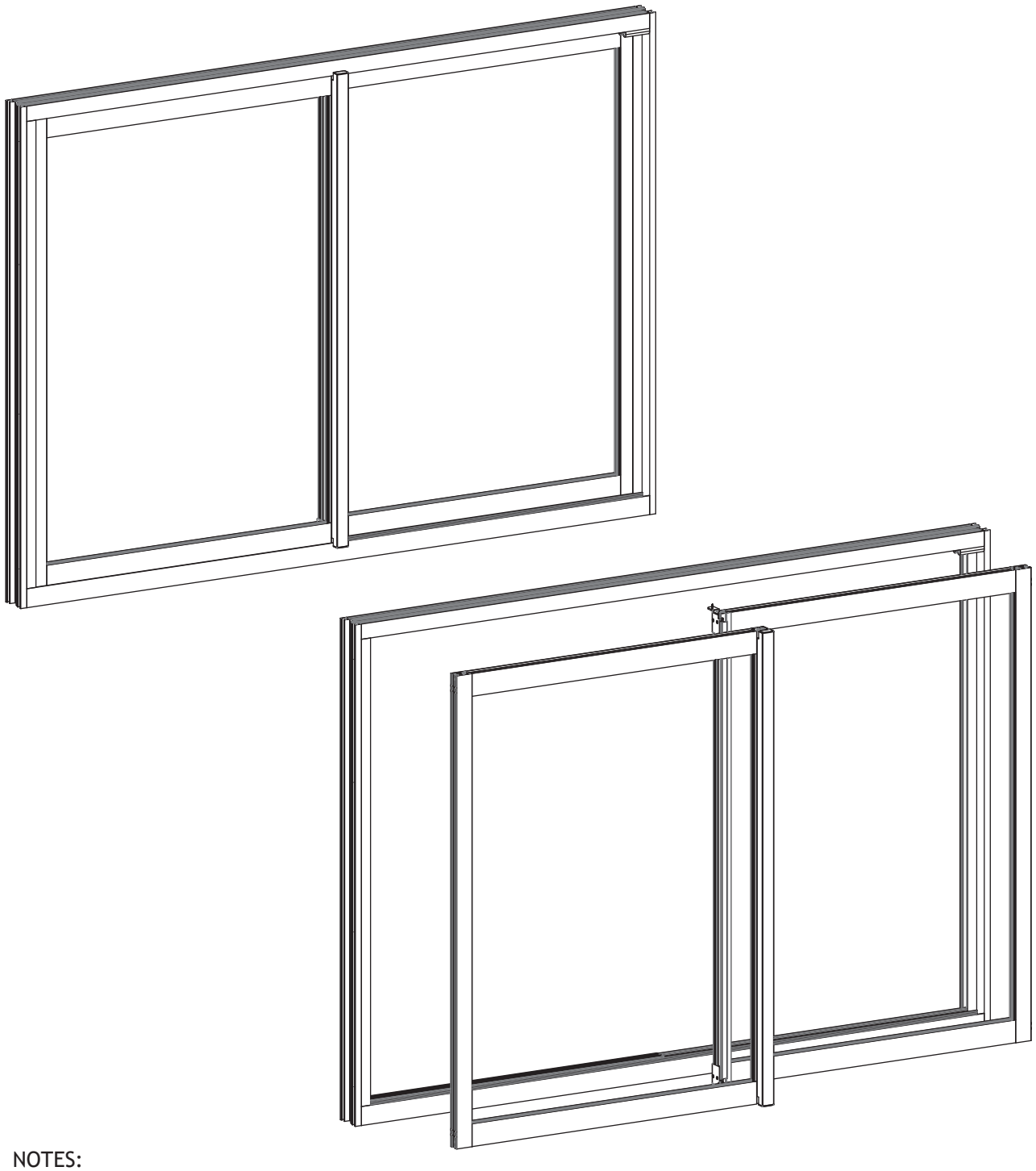


NOTE: It is suggested that CGSD109 is machined and mounted AFTER window panels are inserted. This gives the best finish with the smallest gap. See cross section details for further information.



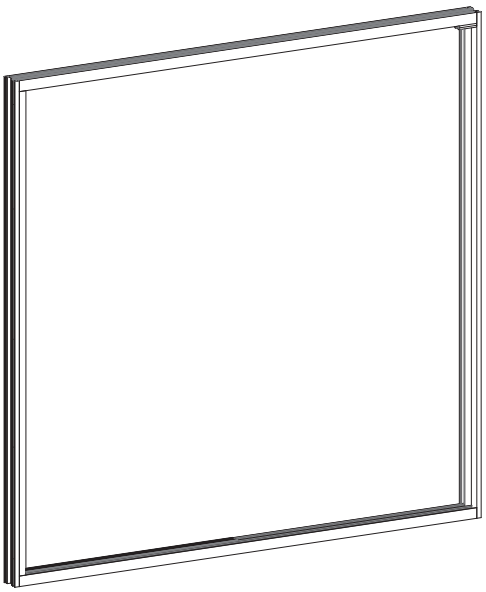
Assembly

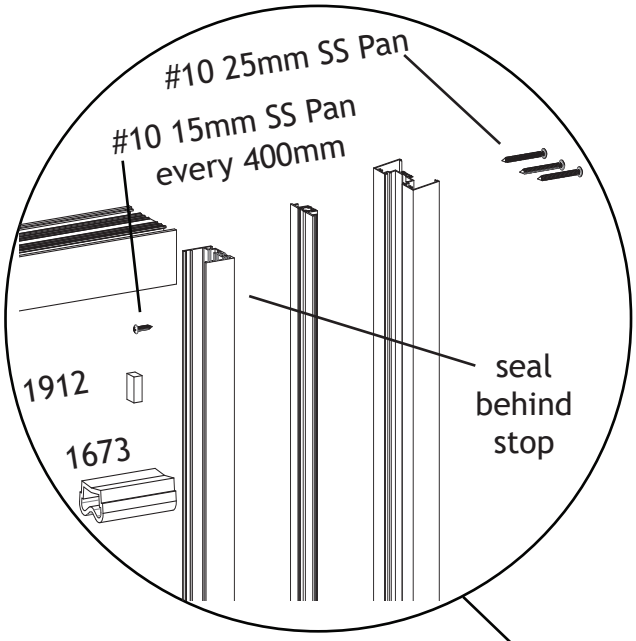
Assembly Overview: FS Self Draining

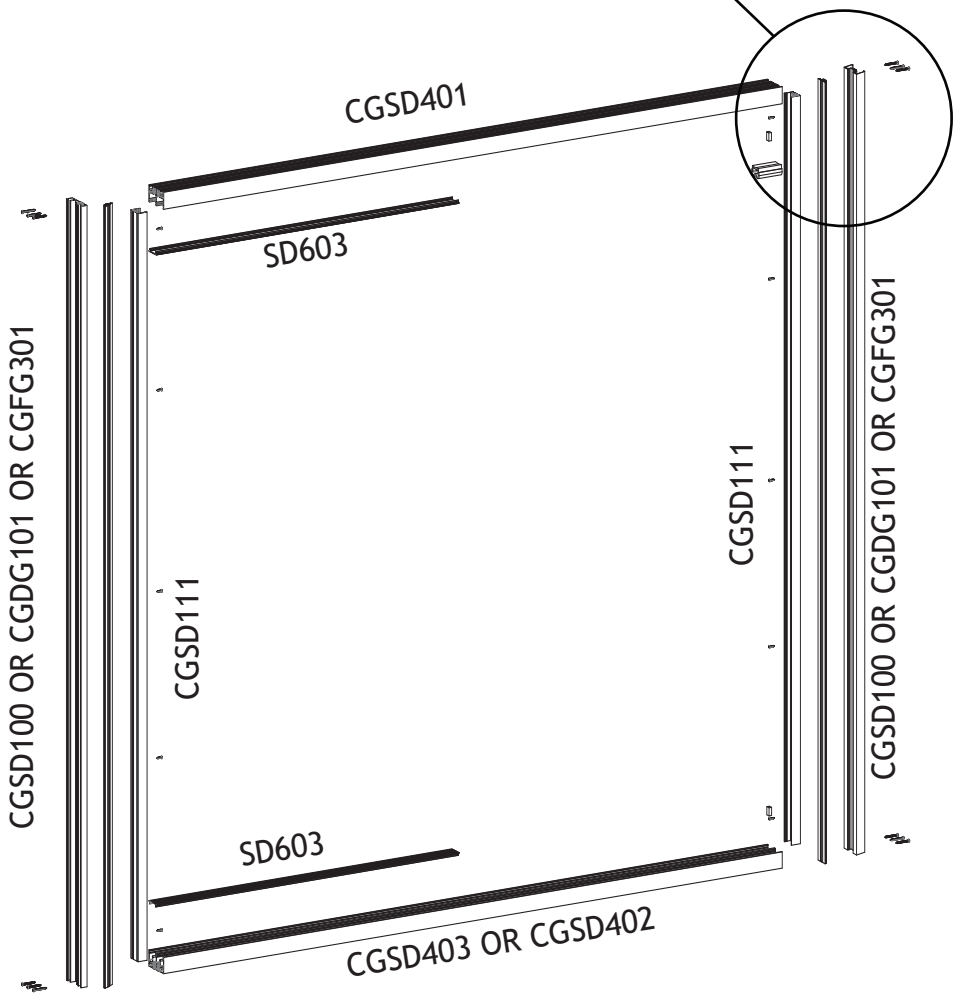


NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Frame Assembly: FS

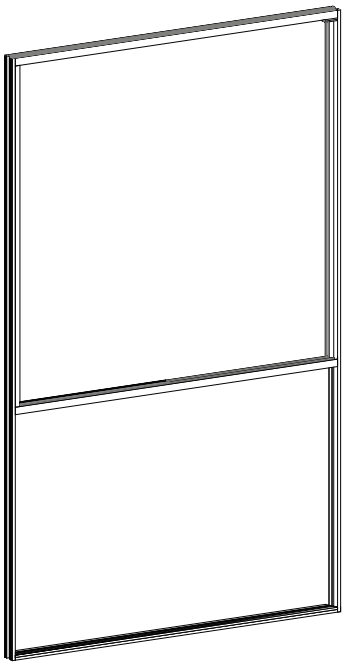


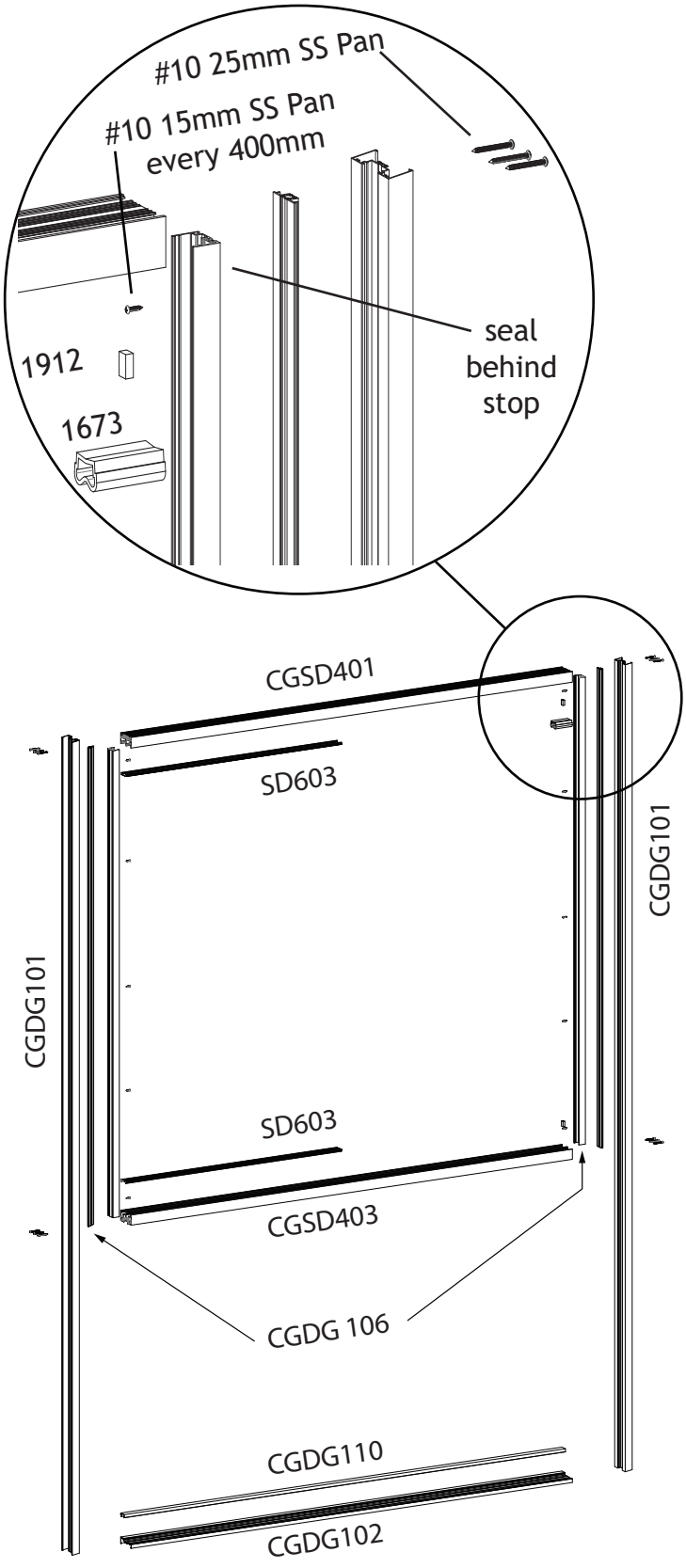




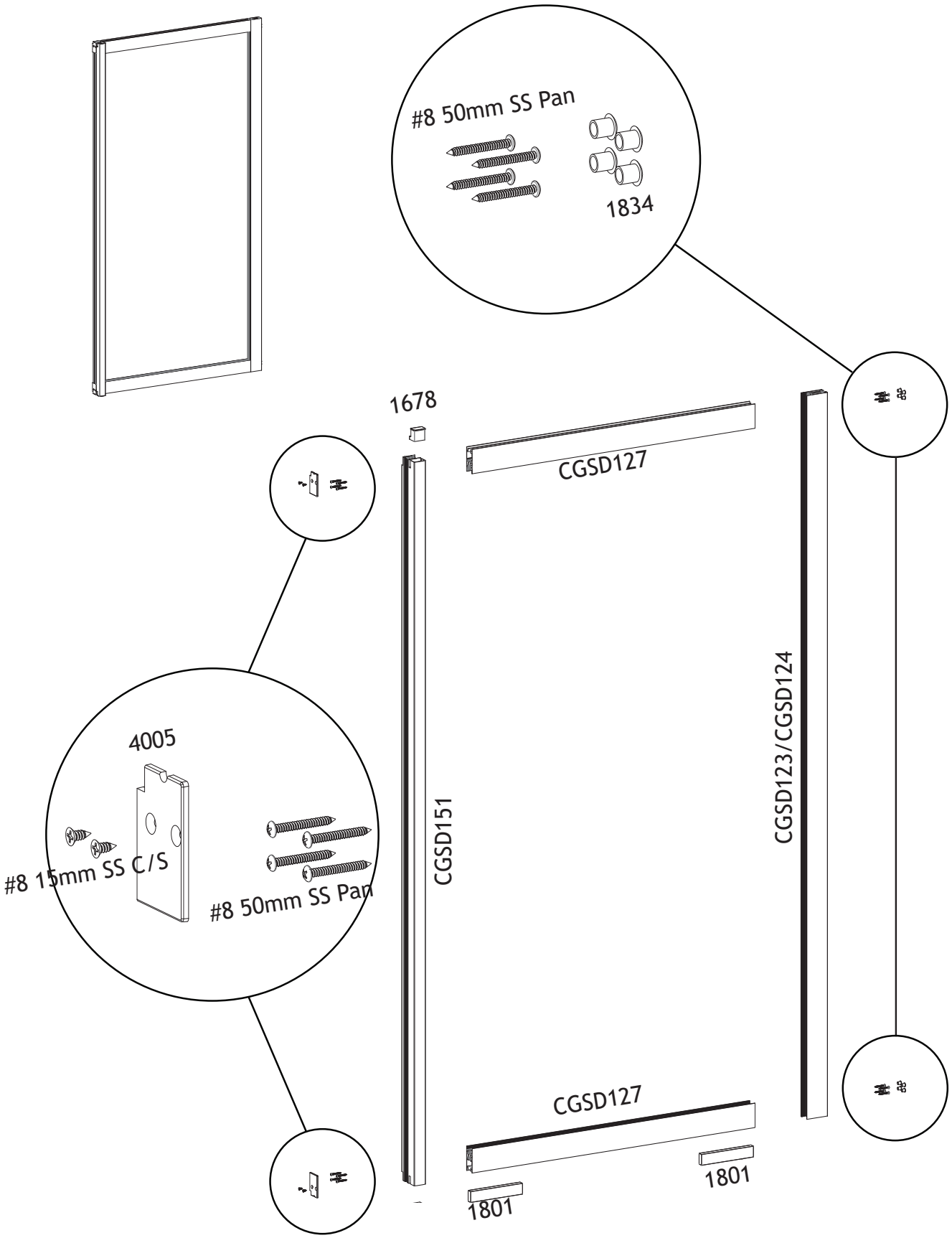
NOTE: Highlights require CGDG101 or CGFG301 jambs. Lowlights require CGDG101.

Transom Assembly: Lowlights

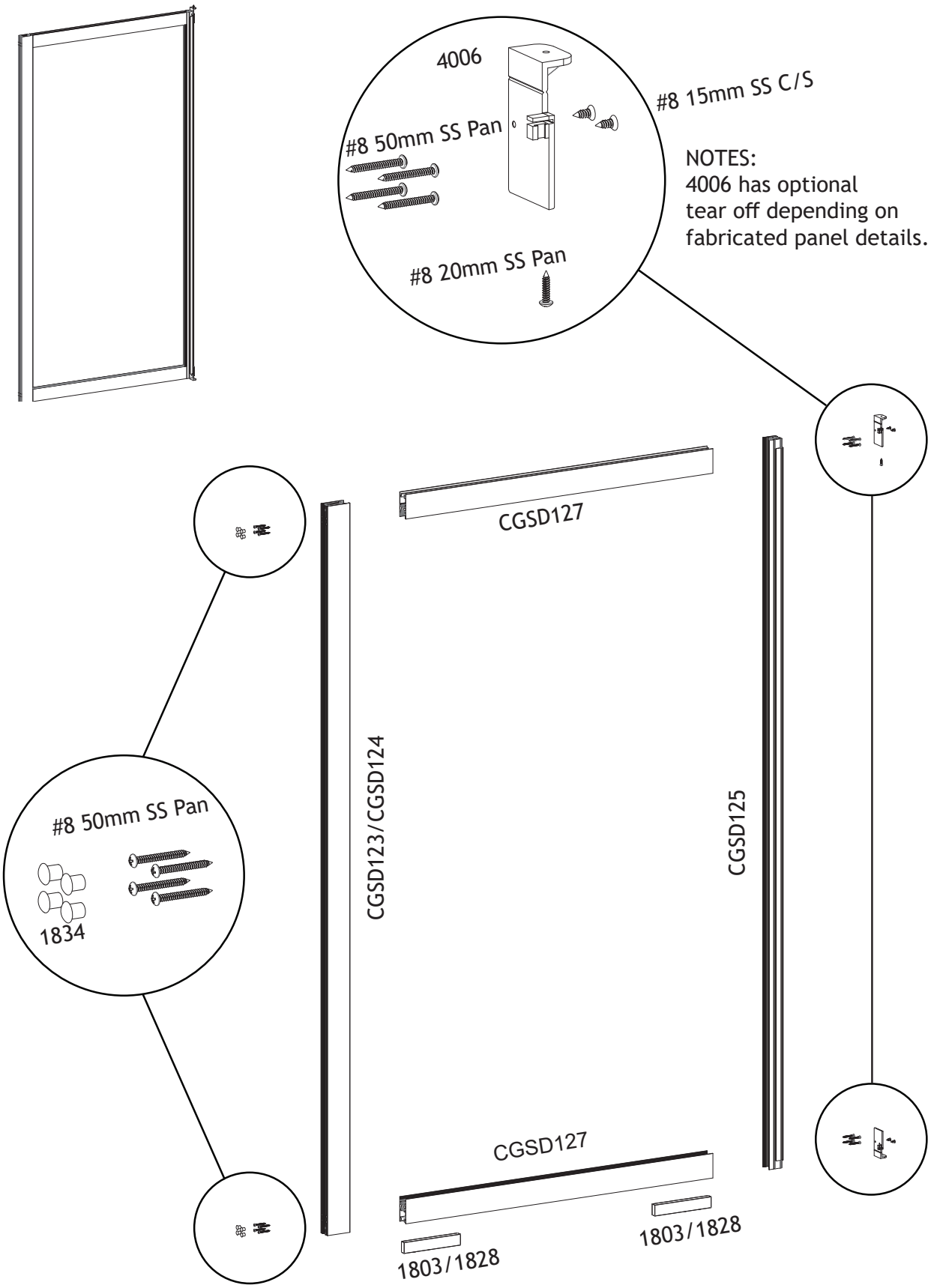




Panel Assembly: FS Sliding Panel

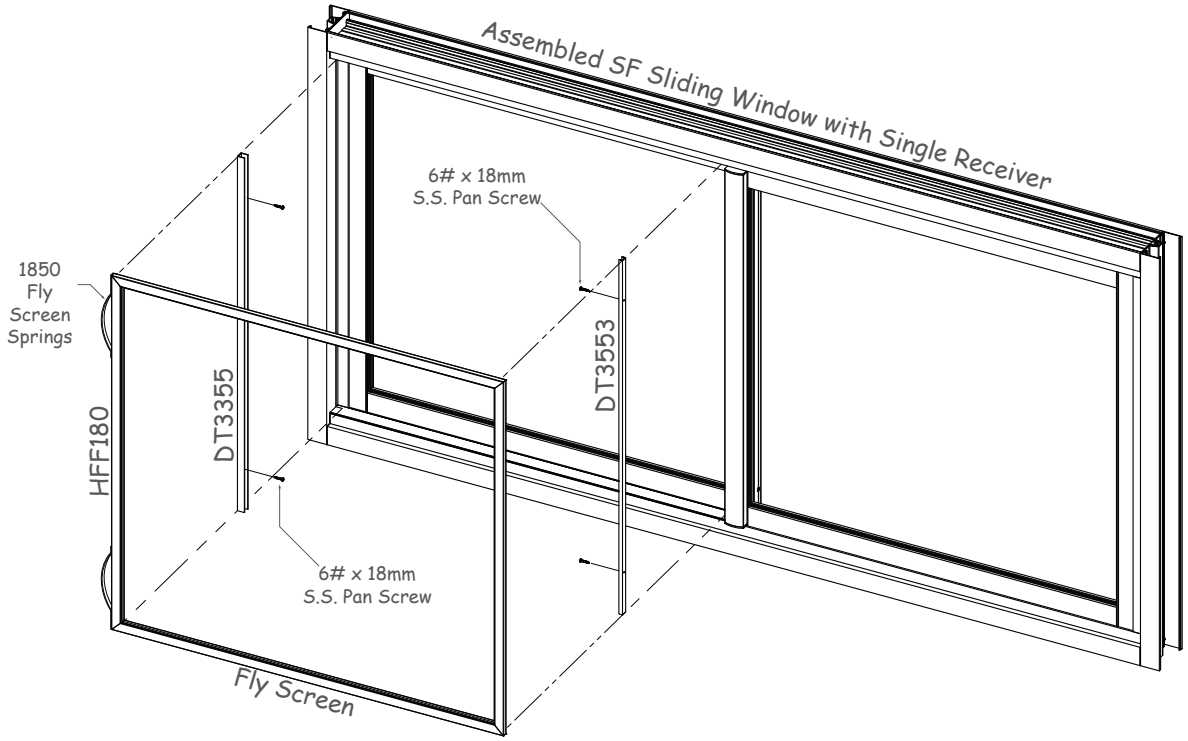


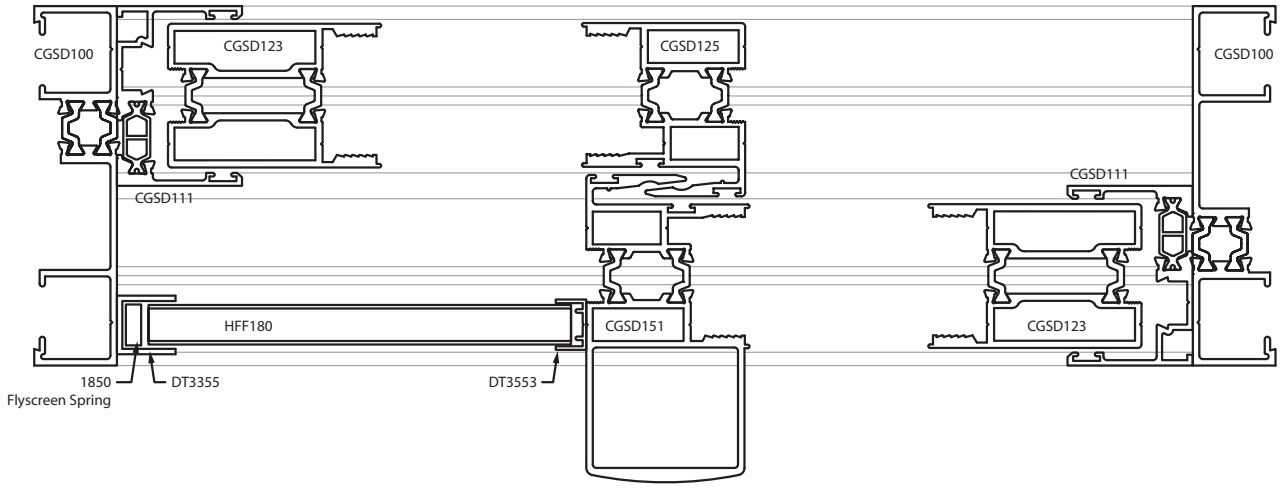
Panel Assembly: FS Fixed Panel



Flyscreen Assembly

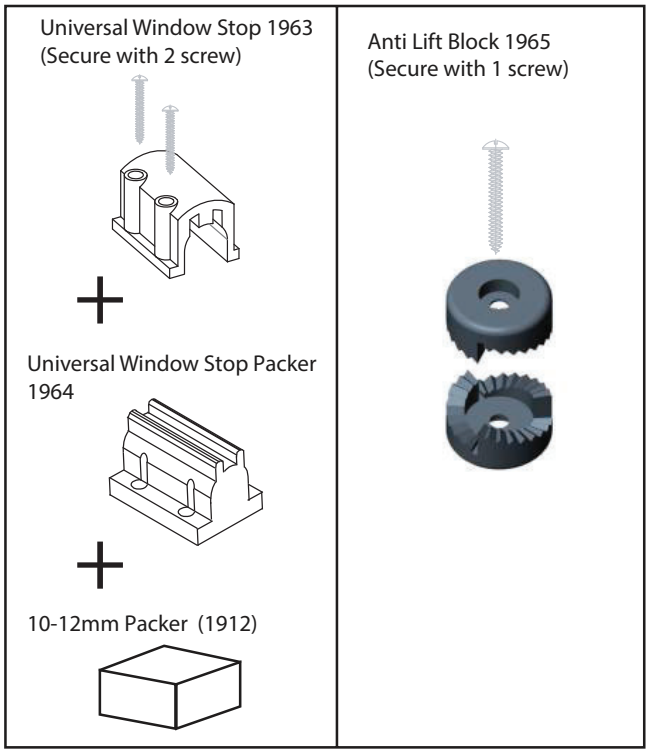
Exploded Assembly Overview: Flyscreening



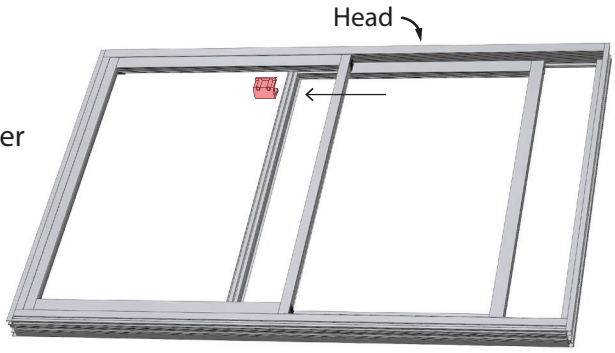


NOTES:
Engineering, manufacture and installation must meet requirements of AS 2047, AS3959, WERS and Acoustic requirements. Glazing selected must meet requirements of AS 1288. Size limitations are governed by design intent, glass selection, and local wind load requirements as per AS/NZS 1170.2 or AS 4055.
N.B.
- For frames, designs, and configurations outside the tested scope, an engineer or suitably qualified person should be consulted.
- All raw joints need to be sealed with small joint sealer or foam tab option.

Fall Prevention Option

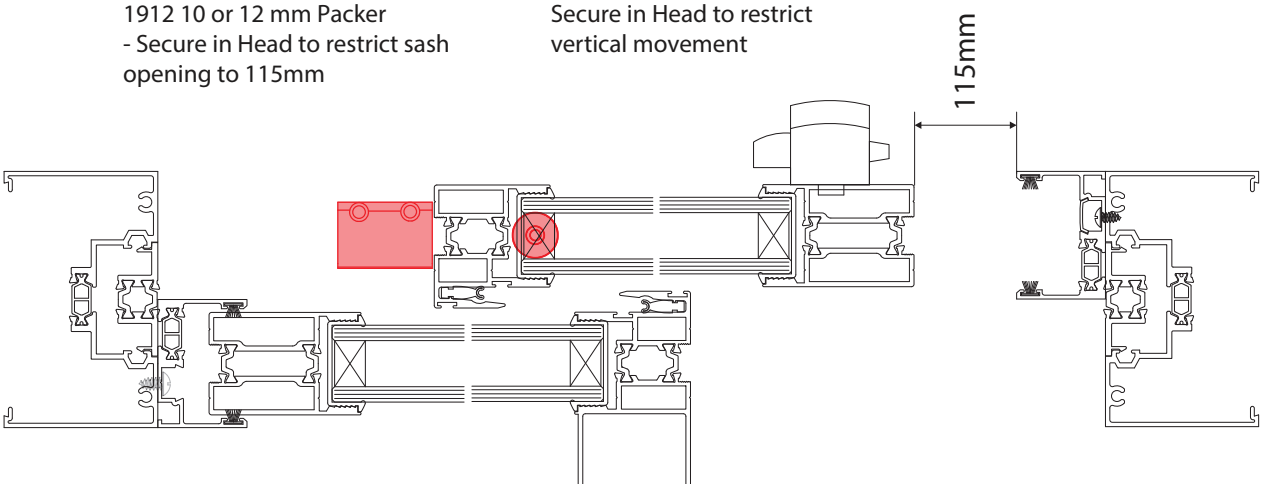


1963 - Universal Stop with
1964 - Universal Stop Packer
1912 - 10 or 12mm Packer



1963 Universal Stop with
1964 Universal Stop Packer
1912 10 or 12 mm Packer
- Secure in Head to restrict sash opening to 115mm

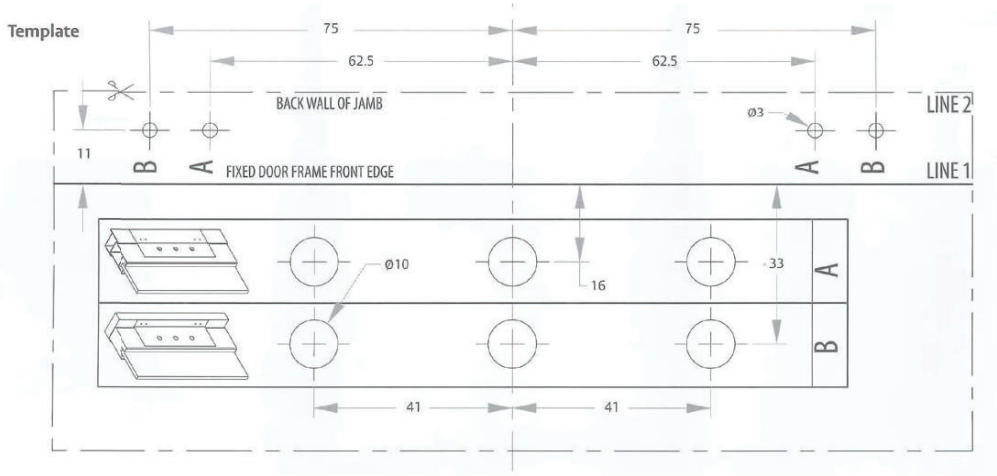
1943 Anti Lift Block
Secure in Head to restrict vertical movement



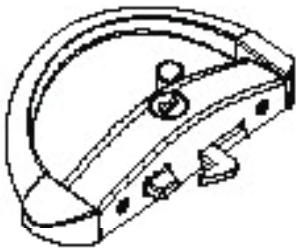
1252 Onyx Lock Installation Guide

SLIDING LOCK
ONYX HANDLE
1252

Note: Use internal hardware only. Screw into inner walls of stile without drilling through external walls.

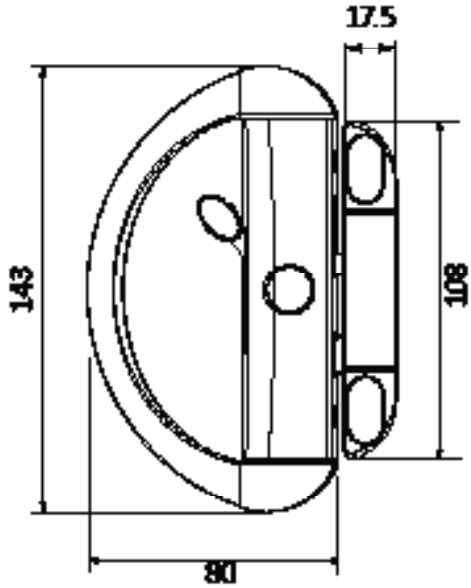


1271/1274 Barron Lock Installation Guide

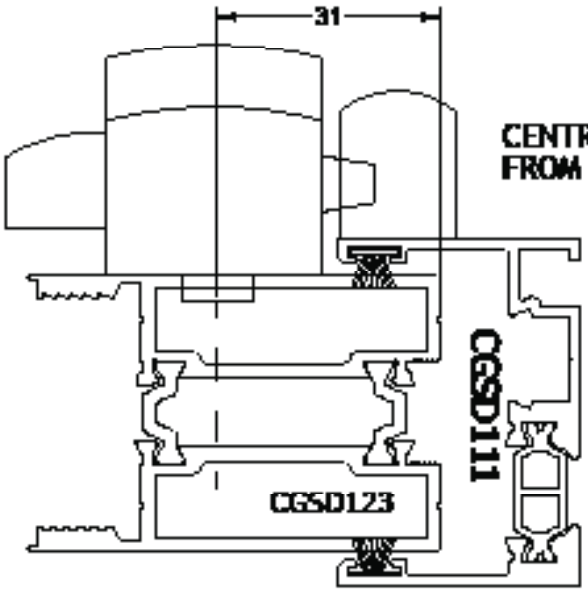


1271
BARRON WINDOW LOCK

1274
SLIMLINE BARRON WINDOW LOCK



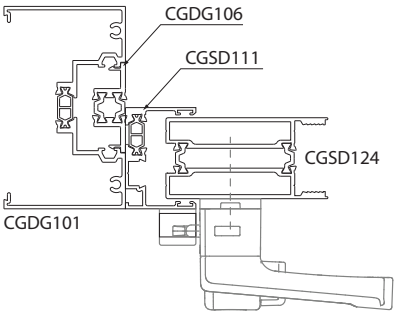
Handle Depth: 31mm
Keeper Depth: 21mm

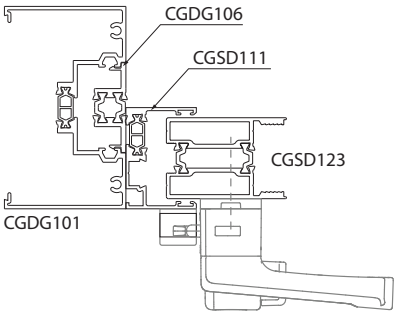


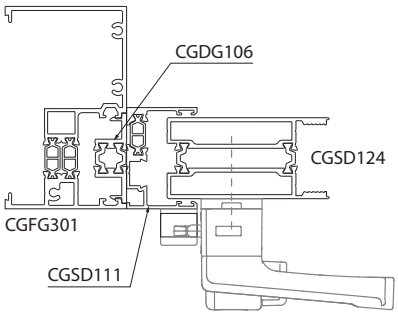
CENTRE HOLE MEASURED
FROM EDGE OF STILE

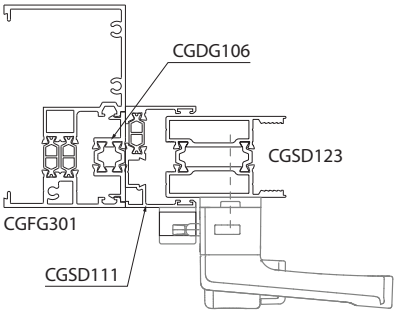
Onyx Lock Options

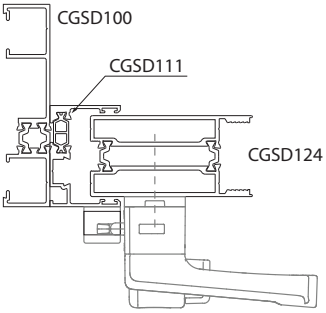
FS Onyx

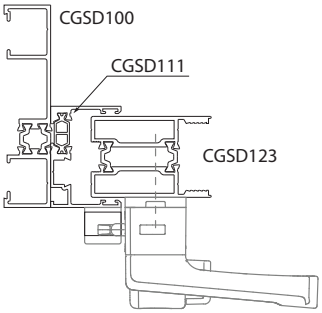




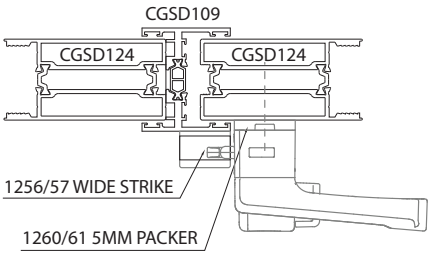


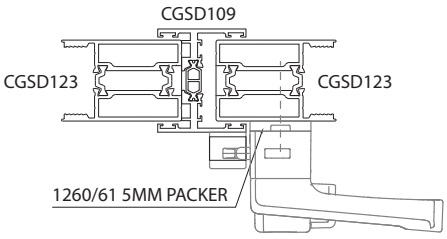






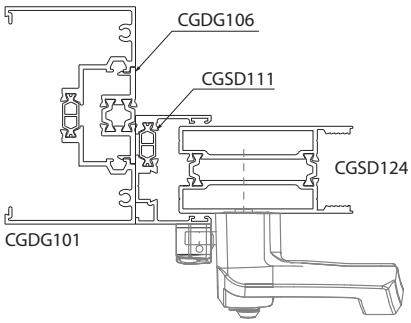
FSF/FSSF Onyx

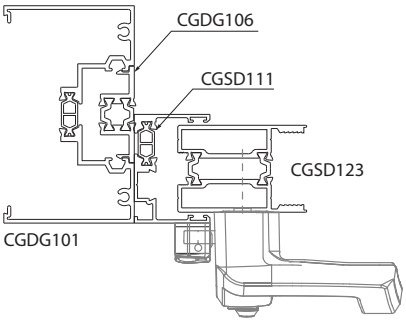


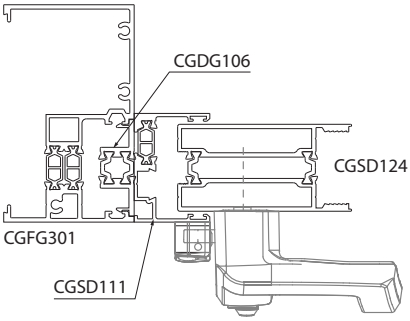


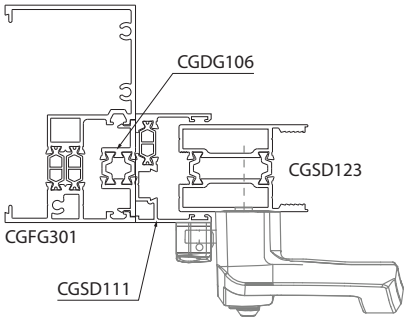
YarraView Lock Options

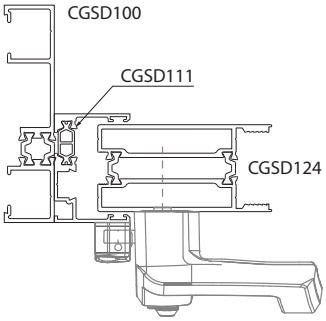
FS Yarraview

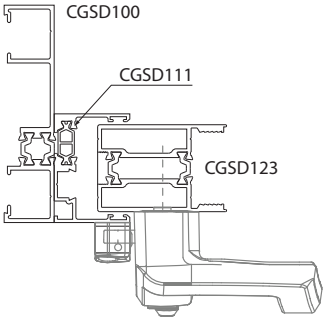




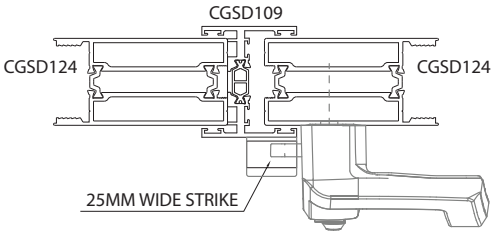


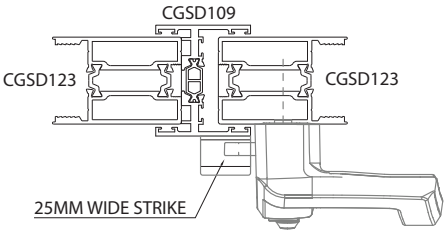






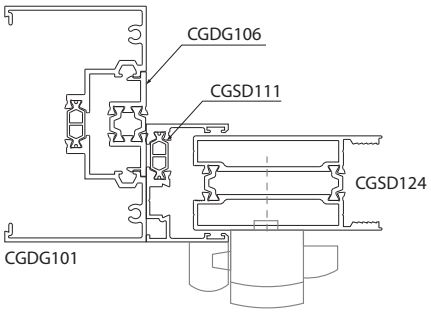
FSF/FSSF Yarraview

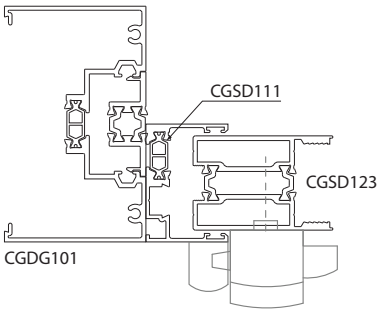


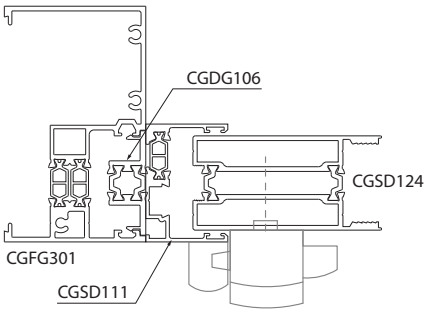


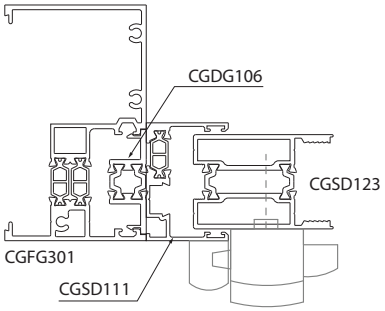
Barron Lock Options

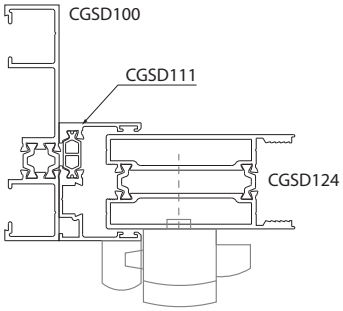
FS Barron

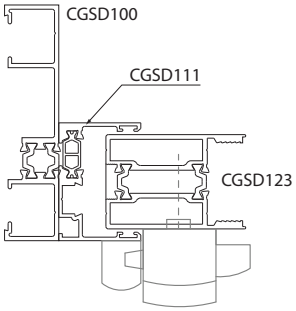




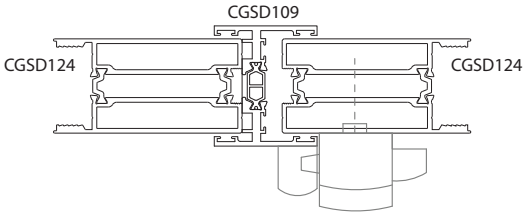


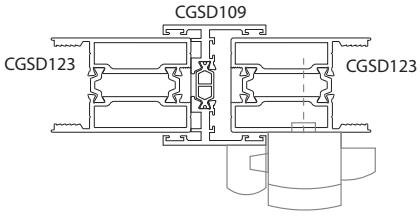




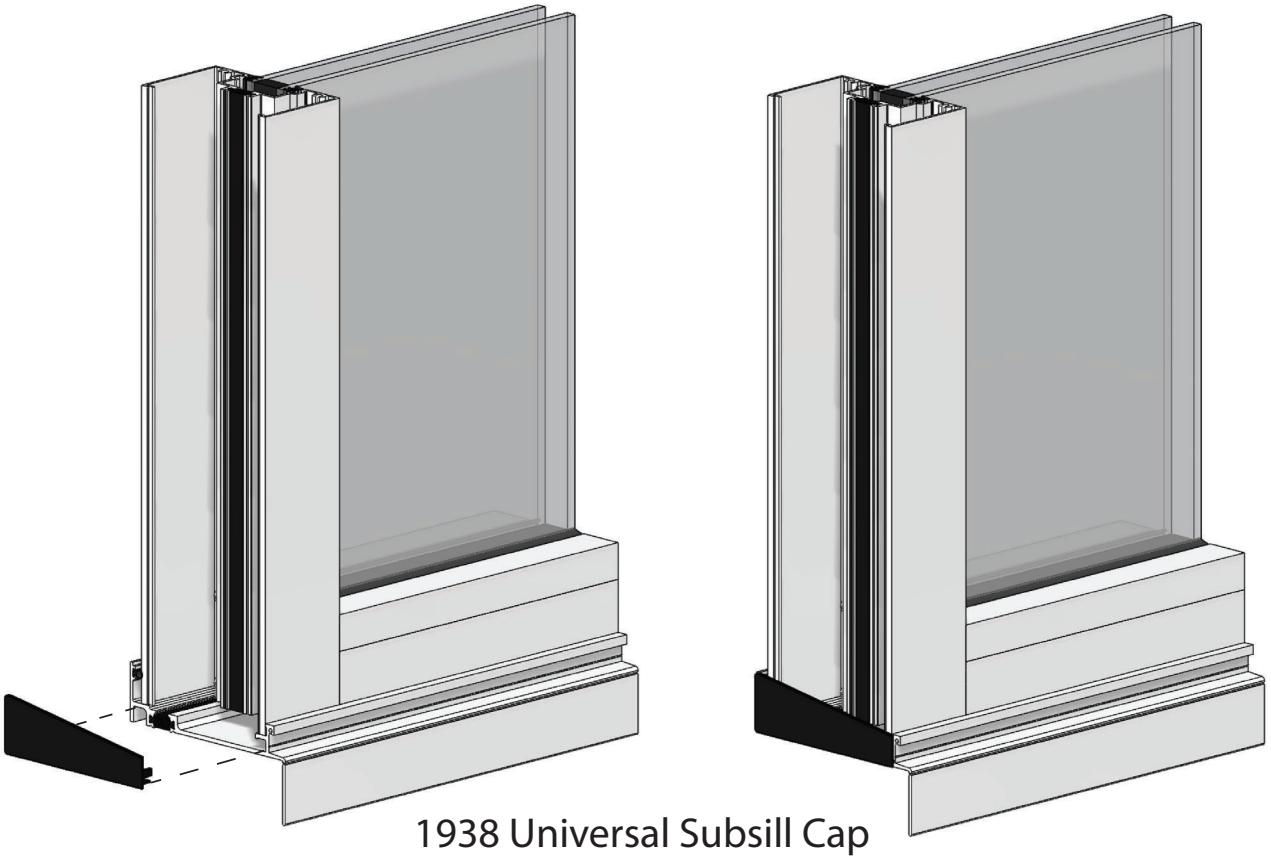


FSF/FSSF Barron

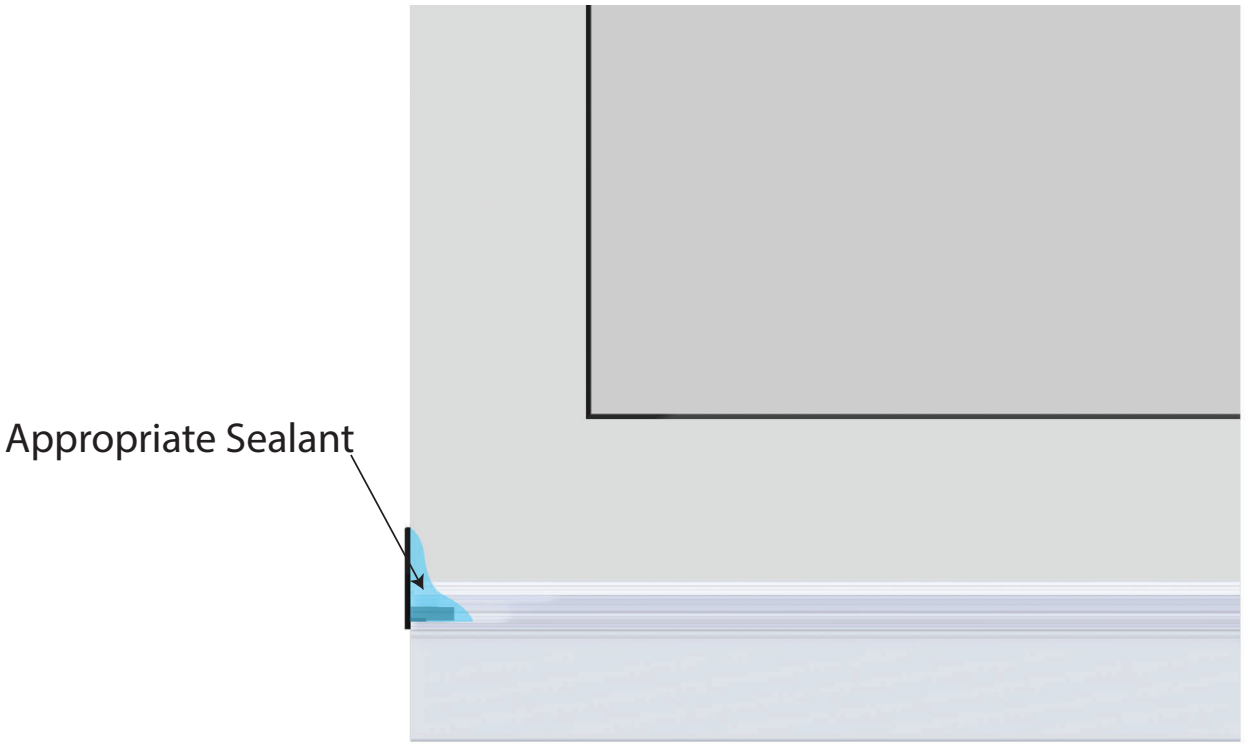




Subsill End-Dam Installation

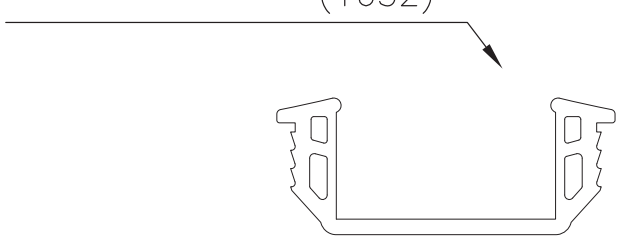


1938 Universal Subsill Cap

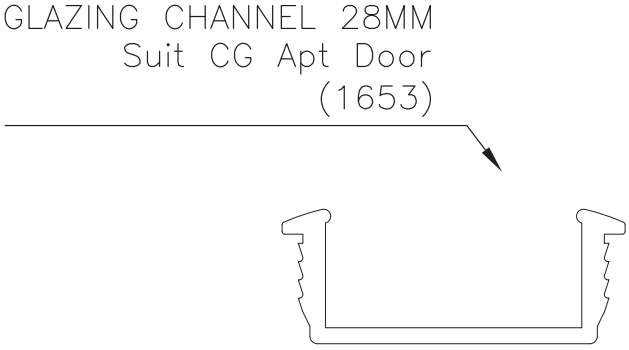


Glass & Rubber Combinations

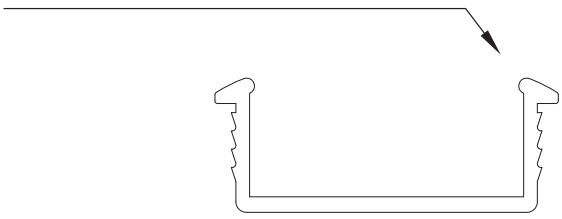
GLAZING CHANNEL 24MM
Suit CG Apt Door
(1652)



GLAZING CHANNEL 28MM
Suit CG Apt Door
(1653)

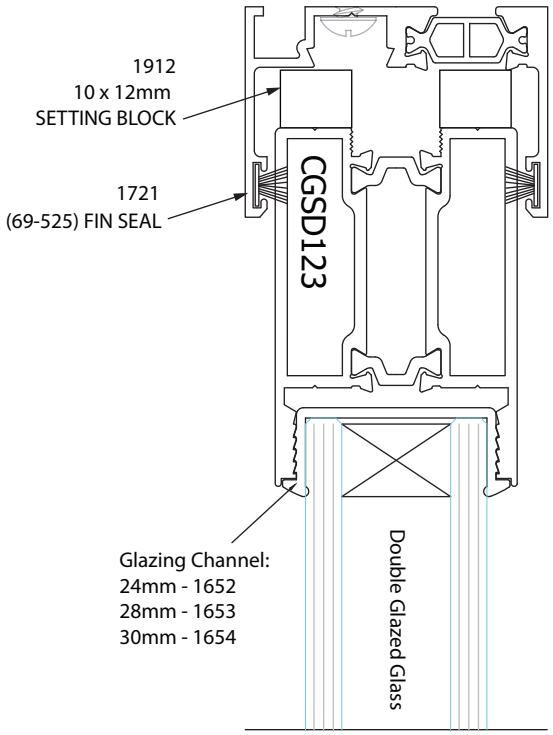


GLAZING CHANNEL 30MM
Suit CG Apt Door
(1654)



ClimateGuard Sliding Window		
Glass thickness	**Channel Rubber Required**	**Pocket Size**
24mm	1652	33mm
28mm	1653	
30mm	1654	

EXAMPLE



Energy Ratings Definitions

All Darley products have been rated under the Australian Fenestration Ratings Council (AFRC) Energy Rating Scheme.

Definitions

The following are terms used in describing the energy ratings of windows as defined by the Window Energy Rating Scheme (WERS). For further information go to www.wers.net.

U-Value (U_w)

U-Value measures how well a product prevents heat from escaping. It is a measure of the rate of non solar heat loss or gain through a material or assembly. U-Value ratings generally fall between 2.0 - 10.0 W/m^2 for Australian products. The rate of heat is indicated in the terms of the U-Value of a window assembly which includes the effect of the grame, glass, seals and any spacers. The lower the U-value, the greater a window's resistance to heat flow and the better its insulating value. The U-Value for a window takes account for the various U-values for the components making up the window, so you may see these in technical literature:

UW is the value for the whole window and because of it's importance is usually abbreviated to U.
U_c is the value at the centre of glass.
U_f is the value for the frame.

Solar Heat Gain Coefficient ($SHGC_w$)

SHGC measures how well a product blocks heat caused by sunlight. The SHGC is a fraction of incident solar radiation admitted through a window, both directly transmitted, and absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.

Visible Transmittance (T_{vw})

Visible transmittance measures how much light comes in through a product. It is an optical property that indicates the amount of visible light transmitted. T_{vw} is expressed as a number between 0 and 1. The higher the number, the more light is transmitted.

Energy Ratings

DAR	Glass	U	SHGC
DAR_052_01	6,38ComPlsClr-18Ar-6mmClr	2.473	0.455
DAR_052_02	6,38ComPlsClr-12Ar-6mmClr	2.428	0.458
DAR_052_03	6,38Sx-12-6mmClr	2.606	0.459
DAR_052_04	LightBridge_ClrSI_6,38-14-4	2.273	0.409
DAR_052_05	LightBridge_ClrSO_6mm-12-6mm	2.267	0.434
DAR_052_06	6mm-12Ar-6mm	3.067	0.54
DAR_052_07	6mmET-12Ar-6mm	2.436	0.469
DAR_052_08	6mmETGy-12Ar-6mm	2.464	0.298
DAR_052_09	6mmEVanClr-12Ar-6mm	2.68	0.428
DAR_052_010	6mmSngyClr-12Ar-6mm	2.612	0.389
DAR_052_11	6mmSolTech-12Ar-6mm	2.444	0.347
DAR_052_12	6mmPerformtech-12Ar-6mm	2.234	0.258

KEY
Gy = Grey, Ntl = Neutral, Gn = Green, Clr = Clear, B = Blue, Bz = Bronze, Lam = Laminate, ComPls = Comfort Plus, SolT - SolTech, Sp = Super, ET = Energy Tech, EVan = Evantage, AZT = Solar Cool Azuria, Sngy = Sunergy.

NOTES

1. U is the whole window U-Value
2. SHGC is the whole window solar heat gain coefficient
3. Tvw is the whole window visible light transmittance
4. Percentage improvement figures are compared with using base-case Generic Window 1 (3mm clear in standard aluminium frame)
5. A negative percentage improvement figure indicates performance worse than the base-case window
6. A positive percentage improvement figure indicates performane better than the base-case window
7. Maximum air infiltration is 5.0 L/s.m^2 at a positive pressure difference of 75Pa as measured according to AS 2047
8. Static performance (U, SHFC, Tvw, Tdw) Calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
9. Annual energy performance (stars and % improvements) calculated using Nationwide House Energy Rating Software (AccuRate)
10. Results disclosed at National fenestration Rating Council (NFRC) regulations

Test Results

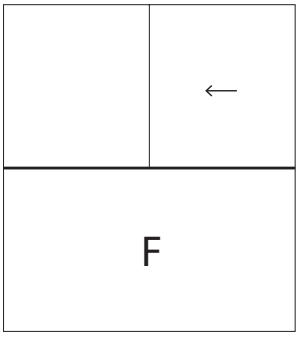
Structural Test Report: Lowlight

LABORATORY TEST RESULTS: ClimateGuard™ Sliding Window With Transom using CGSD403

The following data was obtained from the results of the tests on the ClimateGuard™ Sliding Window With Transom as performed in the Azuma Testing Laboratory (NATA Accredited).

Test Report No.: AZT0628.19
Date: 20/11/2019
Test Size: 2407mm H x 2590mm W

Interlock: CGSD125 + CGSD151
Subsill: Yes



Test: Deflection Test
Results: The test unit satisfied the requirement of AS 2047.1 in both positive and negative deflection at the nominated design pressure of 1200 Pa.

Test: Air Infiltration Test
Results: The test unit satisfied the requirements of AS 2047.1. The unit passed 75Pa and 150Pa air pressure in the sealed and unsealed states. Results were as follows:

- 0.71 L/s.m^2 @75Pa Positive
- 0.89L/s.m^2 @75Pa Negative
- 0.71 L/s.m^2 @150Pa Positive
- 0.98 L/s.m^2 @150Pa Negative

Test: Operating Force
Results: The test unit satisfied the requirement of AS 2047.
For Sash 1:
• Opening force was initiated at 70N and sustained at 40N.
• Closing force was initiated at 70N and sustained at 40N.

Test: Water Penetration
Results: The test unit satisfied the requirement of AS 2047 in positive pressure at the maximum pressure of 350Pa.

Test: Ultimate Strength Test
Results: The test unit satisfied the requirement of AS 2047 at the maximum pressure of 3500Pa Positive and Negative.

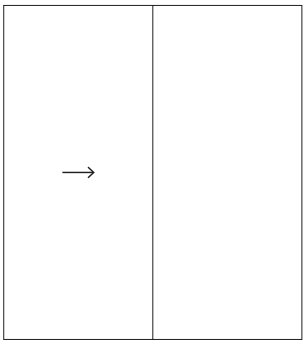
Structural Test Report:
Self-Draining

LABORATORY TEST RESULTS: ClimateGuard™ Subsill Draining Sliding Window using CGSD402

The following data was obtained from the results of the tests on the ClimateGuard™ Sliding Door (Subsill Draining Sliding Window) as performed in the Azuma Testing Laboratory (NATA Accredited).

Test Report No.: AZT0410.18
Date: 21/08/2018
Test Size: 2400mm H x 2460mm W

Interlock: CGSD125 + CGSD151
Subsill: Yes



Test: Deflection Test
Results: The test unit satisfied the requirement of AS 2047.1 in both positive and negative deflection at the nominated design pressure of 1042 Pa.

Test: Air Infiltration Test
Results: The test unit satisfied the requirements of AS 2047.1. The unit passed 75Pa and 150Pa air pressure in the sealed and unsealed states. Results were as follows:

- 0.95 L/s.m^2 @75Pa Positive
- 1.0 L/s.m^2 @75Pa Negative

Test: Operating Force
Results: The test unit satisfied the requirement of AS 2047.
For Sash 1:
• Opening force was initiated at 85N and sustained at 70N.
• Closing force was initiated at 90N and sustained at 70N.

Test: Water Penetration
Results: The test unit satisfied the requirement of AS 2047 in positive pressure at the maximum pressure of 450Pa.

Test: Ultimate Strength Test
Results: The test unit satisfied the requirement of AS 2047 at the maximum pressure of 2315Pa Positive and Negative.

Acoustic Test Report

Acoustic Performance

ESTIMATED TEST RESULTS: ClimateGuard Sliding Window

Estimated Rw value of 35 based on results of a similar system; see results below

Test Report No. : 4258-2
Date: 01/02/2010
Glass Type: 10.38 clrlam
Acoustic Rating: 35Rw

Acoustic Test Report

Acoustic Performance

Estimated Test Results: ClimateGuard Sliding Window

Estimated Rw value of 34 based on results of a similar system; see results below

Test Report No. : 4258-3
Date: 01/02/2010
Glass Type: 6tgh / 12air / 6.38clrlam
Acoustic Rating: 34Rw

BAL Compliance

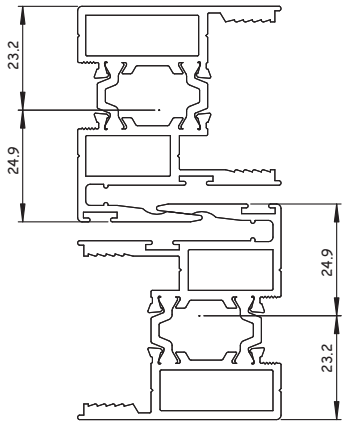
BAL Fire Rating

Bushfire attack levels achievable with “Deemed to Satisfy” checklist.

Bushfire Attack Level	Description of Predicted Bushfire Attack and Levels of Exposure	
BAL-Low	There is insufficient risk to warrant specific construction requirements	✓
BAL-12.5	Ember attack.	✓
BAL-19	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 12.5 and 19 kWm2.	✓
BAL-29	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux between 19 and 29 kWm2.	✓
BAL-40	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing heat flux and the increased likelihood of exposure to flames.	✓
BAL-FZ	Direct exposure to flames from fire front in addition to heat flux and ember attack.	×

	BAL-12.5	BAL-19	BAL-29	BAL-40
FRAME	Low-level framing must be manufactured from either: • **Metal**, or • Bushfire resistant timber or • Timber species with a density greater than 650 kg/m3 or • Metal reinforced uPVC.	Low-level framing must be manufactured from either: • **Metal**, or • Bushfire resistant timber or • Timber species with a density greater than 650 kg/m3 or • Metal reinforced uPVC.	Low-level framing must be manufactured from either: • **Metal**, or • Bushfire resistant timber or • Metal reinforced uPVC.	All framing must be **metal**.
GLAZING	Low-level glazing must be Grade A safety glass with a minimum thickness of 4 mm.	Low-level glazing must be Grade A safety glass with a minimum thickness of 5 mm. In all other locations where annealed glass is used, it must be protected by an external screen (see screen requirements).	All glazing must be toughened glass with a minimum thickness of 5 mm. Low-level glazing must be protected by an external screen (see screen requirements).	All glazing must be toughened glass with a minimum thickness of 6 mm. All glazing must be protected by an external screen (see screen requirements).
SCREENS	Openable portions of windows must be screened either internally or externally. Mesh or perforated sheet with a maximum aperture of 2mm manufactured from either: - **Corrosion resistant steel (Screenguard)**, or - Bronze, or - **Aluminium (Perfguard).** Supporting frame must be manufactured from either: • Metal (including aluminium), or • Bushfire resistant timber or • Timber species with a density greater than 650 kg/m3.	Openable portions of windows must be screened either internally or externally. Mesh or perforated sheet with a maximum aperture of 2mm manufactured from either: - **Corrosion resistant steel (Screenguard)**, or - Bronze, or - **Aluminium (Perfguard).** Supporting frame must be manufactured from either: • Metal (including aluminium), or • Bushfire resistant timber or • Timber species with a density greater than 650 kg/m3. Where annealed glass is used, it must be protected by an external screen.	Openable portions of windows must be screened either internally or externally. Mesh or perforated sheet with a maximum aperture of 2mm manufactured from either: - **Corrosion resistant steel (Screenguard)**, or - Bronze, or - **Aluminium (Perfguard).** Supporting frame must be manufactured from either: • Metal (including aluminium), or • Bushfire resistant timber. Low-level glazing must be protected by an external screen. Screen assemblies must be attached using metal fixings.	Fixed and openable portions of windows must be screened either internally or externally. Mesh or perforated sheet with a maximum aperture of 2 mm manufactured from either: **- Corrosion resistant steel (Screenguard)**, or - Bronze. Aluminium mesh or perforated sheet cannot be used. Supporting frame must be manufactured from metal (including aluminium). Screen assemblies must be attached using metal fixings.
SEALS	N/A	N/A	N/A	Seals must be manufactured from **silicone** or have a flammability index less than 5.
HARDWARE	N/A	N/A	Externally fitted hardware that supports the sash in its functions of opening and closing must be metal unless shielded by metal frame components.	Externally fitted hardware that supports the sash in its functions of opening and closing, must be metal.

Interlock Strength Charts: CGSD125 x 2



$Ixx = 136.81 \times 10^3 mm^4$

y max = 24.9 mm

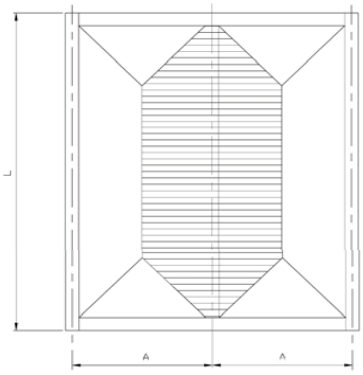
$Ixx = 136.81 \times 10^3 mm^4$

y max = 24.9 mm

Total $Iyy = 273.62 \times 10^3 mm^4$

Total x max = 24.9 mm

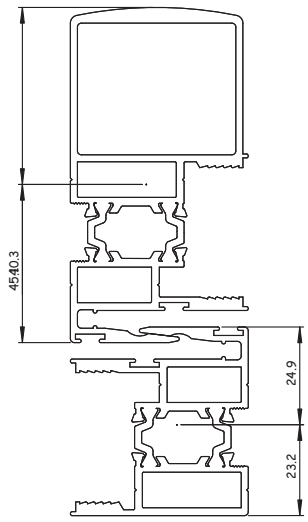
I - moment of inertia	273.62	x 10^3 mm^4
y - max depth of section from N axis	24.9	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	11.0	
Panel Width Increments	100	mm
Window Height Increments	100	mm



Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			SD125 x 2
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
700	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
800	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
900	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1000	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1200	4966	4709	4495	4401	4370	4370	4370	4370	4370	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	3761	3540	3385	3250	3192	3173	3173	3173	3173	250
	8000	7567	7128	6832	6660	6602	6602	6602	6602	U
1400	3010	2731	2595	2497	2408	2371	2359	2359	2359	250
	6920	6358	5945	5647	5445	5326	5286	5286	5286	U
1500	2384	2220	2034	1947	1884	1822	1798	1790	1790	250
	5935	5427	5045	4760	4553	4410	4326	4298	4298	U
1600	1921	1781	1625	1548	1490	1433	1405	1388	1383	250
	5151	4692	4343	4076	3874	3725	3623	3562	3541	U
1700	1570	1452	1361	1252	1200	1160	1120	1100	1089	250
	4516	4101	3782	3535	3344	3197	3088	3012	2968	U
1800	1301	1199	1121	1027	981	945	917	888	874	250
	3994	3618	3327	3099	2920	2779	2670	2589	2532	U
1900	1090	1002	934	880	813	780	755	735	713	250
	3559	3217	2951	2741	2575	2442	2336	2254	2192	U
2000	973	846	787	740	702	652	629	610	596	250
	3192	2881	2637	2444	2289	2164	2064	1984	1921	U
2100	830	721	669	628	595	551	530	513	499	250
	2880	2595	2372	2194	2050	1934	1839	1761	1699	U
2200	714	619	574	537	508	484	450	435	422	250
	2613	2351	2146	1981	1848	1739	1650	1576	1516	U
2300	619	565	496	464	437	416	386	372	361	250
	2381	2140	1951	1799	1675	1574	1490	1420	1362	U
2400	540	493	431	403	379	360	344	321	310	250
	2179	1957	1782	1641	1526	1431	1353	1287	1232	U
2500	474	432	398	352	331	314	300	288	269	250
	2002	1797	1634	1504	1397	1308	1234	1172	1120	U

Interlock Strength Charts: CGSD125 + CGSD151



$Ixx = 614.92 \times 10^3 mm^4$

y max = 45.1 mm

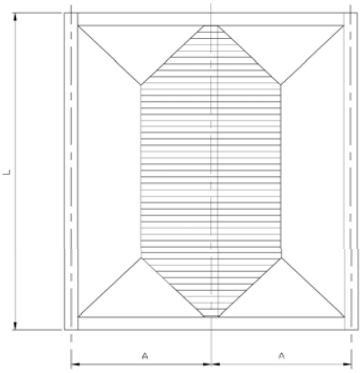
$Ixx = 136.81 \times 10^3 mm^4$

y max = 24.9 mm

Total $Ixx = 751.73 \times 10^3 mm^4$

Total y max = 45.1 mm

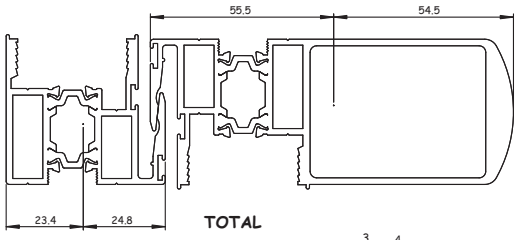
I - moment of inertia	751.73	x 10^3 mm^4
y - max depth of section from N axis	45.1	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	16.7	
Panel Width Increments	100	mm
Window Height Increments	100	mm

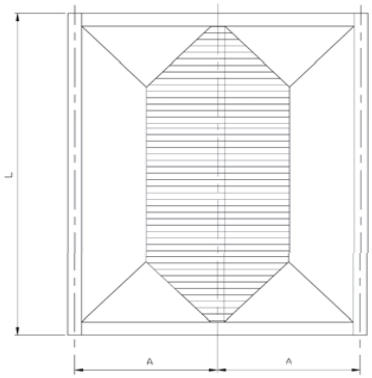


Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			SD125 + SD150
	Panel Width (mm) (A)									
Window Height (mm) (L)	800	900	1000	1100	1200	1300	1400	1500	1600	Serviceability
1100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	5000	5000	5000	4814	4604	4460	4375	4346	4346	250
	8000	8000	7653	7221	6906	6690	6562	6519	6519	U
1600	5000	4745	4392	4122	3918	3767	3663	3602	3581	250
	7813	7117	6587	6183	5877	5651	5495	5403	5372	U
1700	4314	3988	3739	3440	3296	3188	3077	3023	2991	250
	6850	6220	5737	5362	5072	4849	4684	4569	4501	U
1800	3573	3294	3079	2823	2695	2596	2520	2439	2401	250
	6058	5487	5046	4701	4429	4215	4050	3927	3841	U
1900	2993	2753	2566	2419	2233	2144	2073	2019	1959	250
	5398	4880	4476	4158	3905	3703	3544	3419	3326	U
2000	2672	2324	2161	2032	1930	1791	1727	1677	1637	250
	4842	4369	4000	3707	3473	3283	3131	3009	2913	U
2100	2281	1980	1838	1725	1634	1513	1455	1408	1371	250
	4369	3937	3598	3328	3110	2933	2789	2672	2578	U
2200	1963	1701	1576	1476	1395	1330	1237	1194	1160	250
	3963	3566	3255	3006	2803	2638	2502	2391	2300	U
2300	1701	1553	1362	1273	1202	1143	1061	1022	990	250
	3612	3247	2959	2729	2541	2387	2260	2154	2066	U
2400	1484	1353	1185	1106	1042	990	946	882	853	250
	3306	2969	2703	2489	2315	2171	2052	1952	1868	U
2500	1303	1186	1094	967	910	863	823	790	740	250
	3037	2725	2479	2281	2118	1984	1872	1778	1699	U
2600	1150	1046	964	851	799	757	721	691	646	250
	2801	2511	2282	2098	1946	1821	1716	1627	1552	U
2700	1020	927	853	752	706	667	635	608	585	250
	2591	2322	2108	1936	1795	1677	1579	1495	1424	U
2800	909	825	759	705	627	592	563	538	517	250
	2404	2153	1954	1793	1661	1551	1458	1379	1312	U
2900	813	738	678	629	559	527	501	478	459	250
	2237	2002	1816	1665	1541	1438	1351	1277	1213	U
3000	731	662	608	564	528	472	447	427	409	250
	2087	1867	1692	1551	1435	1337	1255	1185	1125	U

Interlock Strength Charts: CGSD125 + CGSD152



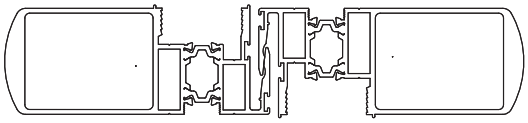


I - moment of inertia	1642.43	x 10^3 mm^4
y - max depth of section from N axis	55.5	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	29.6	
Panel Width Increments	100	mm
Window Height Increments	100	mm

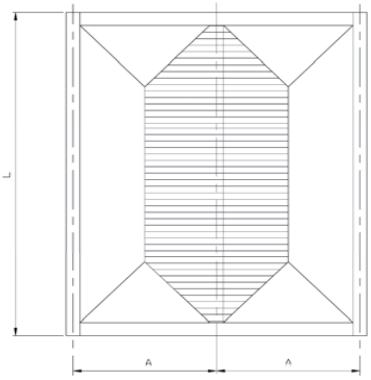
Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CGSD125 & CGSD152
	Panel Width (mm) (A)									
Window Height (mm) (L)	1200	1300	1400	1500	1600	1700	1800	1900	2000	Serviceability
1400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1700	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	7992	7951	7951	7951	7951	U
1800	5000	4989	4794	4648	4546	4486	4465	4465	4465	250
	7863	7484	7191	6972	6820	6729	6698	6698	6698	U
1900	4622	4383	4194	4047	3936	3859	3812	3797	3797	250
	6933	6575	6291	6070	5904	5788	5719	5695	5695	U
2000	4110	3886	3705	3561	3448	3363	3303	3267	3255	250
	6165	5829	5558	5342	5173	5045	4955	4901	4883	U
2100	3569	3305	3178	3076	2995	2902	2855	2823	2803	250
	5522	5208	4952	4744	4576	4445	4345	4274	4232	U
2200	3049	2905	2703	2610	2534	2473	2402	2366	2341	250
	4977	4684	4443	4245	4083	3952	3848	3769	3713	U
2300	2625	2497	2319	2234	2164	2107	2061	2004	1978	250
	4512	4238	4012	3824	3669	3541	3437	3354	3291	U
2400	2277	2162	2067	1927	1863	1810	1767	1731	1686	250
	4110	3855	3643	3465	3317	3194	3091	3008	2942	U
2500	1988	1885	1799	1727	1616	1567	1526	1493	1465	250
	3761	3523	3324	3157	3016	2898	2798	2716	2648	U
2600	1746	1653	1576	1510	1411	1366	1328	1296	1270	250
	3456	3233	3046	2889	2756	2643	2547	2467	2399	U
2700	1542	1458	1388	1329	1278	1198	1163	1133	1108	250
	3187	2978	2803	2655	2529	2421	2330	2252	2186	U
2800	1369	1293	1229	1175	1129	1057	1025	997	973	250
	2949	2753	2588	2449	2330	2228	2140	2065	2001	U
2900	1221	1152	1094	1045	1003	967	907	882	860	250
	2737	2553	2398	2267	2154	2057	1974	1902	1840	U
3000	1153	1030	978	933	894	861	833	784	763	250
	2547	2374	2229	2104	1998	1906	1827	1758	1698	U
3100	1037	926	877	836	801	771	744	700	681	250
	2377	2214	2077	1960	1859	1772	1696	1630	1573	U
3200	936	835	791	753	721	693	668	647	610	250
	2224	2070	1940	1829	1734	1651	1579	1517	1462	U
3300	847	797	715	680	650	625	602	583	548	250
	2085	1940	1817	1712	1622	1543	1475	1415	1363	U

Interlock Strength Charts: CGSD152 x 2



TOTAL
Iyy = 3007.0 x 10^3 mm^4
x max = 55.5 mm



I - moment of inertia	3007	x 10^3 mm^4
y - max depth of section from N axis	55.5	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	54.2	
Panel Width Increments	100	mm
Window Height Increments	100	mm

Mullion Pressure Ratings (Pa): Symmetrical Panels

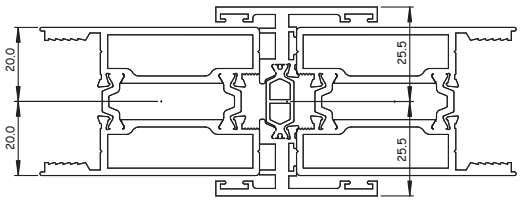
Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CGSD152 & CGSD152
	Panel Width (mm) (A)									
Window Height (mm) (L)	1200	1300	1400	1500	1600	1700	1800	1900	2000	Serviceability
2100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	7954	7826	7748	U
2200	5000	5000	4949	4778	4639	4528	4397	4332	4287	250
	8000	8000	8000	7772	7475	7235	7045	6900	6798	U
2300	4807	4571	4245	4090	3962	3857	3773	3670	3620	250
	8000	7759	7345	7001	6717	6482	6292	6140	6025	U
2400	4169	3958	3784	3528	3411	3314	3234	3170	3088	250
	7525	7058	6669	6344	6073	5847	5660	5507	5385	U
2500	3640	3451	3293	3162	2959	2869	2794	2733	2683	250
	6886	6449	6085	5779	5522	5305	5123	4972	4849	U
2600	3197	3027	2885	2765	2584	2501	2432	2373	2325	250
	6327	5919	5577	5289	5045	4838	4663	4516	4393	U
2700	2824	2670	2541	2433	2341	2194	2130	2075	2029	250
	5834	5452	5132	4860	4630	4433	4265	4123	4002	U
2800	2506	2367	2250	2152	2068	1935	1876	1825	1782	250
	5398	5040	4739	4483	4265	4078	3918	3781	3664	U
2900	2235	2109	2003	1912	1836	1770	1661	1614	1574	250
	5010	4674	4391	4150	3943	3766	3614	3482	3369	U
3000	2111	1887	1790	1708	1637	1577	1525	1435	1397	250
	4663	4347	4080	3853	3658	3490	3344	3219	3109	U
3100	1898	1695	1606	1531	1467	1411	1363	1281	1246	250
	4352	4054	3802	3588	3403	3244	3105	2985	2880	U
3200	1713	1528	1447	1378	1319	1268	1224	1185	1116	250
	4071	3790	3552	3349	3175	3023	2892	2777	2677	U
3300	1551	1459	1309	1245	1191	1144	1103	1067	1004	250
	3817	3552	3327	3135	2969	2825	2700	2591	2495	U
3400	1409	1324	1187	1129	1079	1035	997	964	935	250
	3586	3335	3123	2940	2783	2647	2527	2423	2331	U
3500	1284	1206	1140	1027	980	940	905	874	847	250
	3376	3138	2937	2764	2615	2485	2371	2272	2184	U
3600	1173	1101	1040	936	893	856	824	795	770	250
	3184	2959	2767	2603	2461	2338	2230	2134	2050	U
3700	1074	1008	952	856	817	782	752	725	702	250
	3008	2794	2612	2456	2321	2204	2101	2010	1929	U
3800	987	925	873	828	748	716	688	663	641	250
	2846	2643	2470	2322	2193	2081	1983	1896	1819	U
3900	909	852	803	761	688	658	632	608	588	250
	2697	2504	2340	2198	2076	1969	1875	1792	1718	U
4000	838	785	740	702	668	605	581	559	540	250
	2560	2376	2219	2084	1967	1865	1775	1696	1625	U

Interlock Strength Charts: CGSD123 x 2 + CGSD109

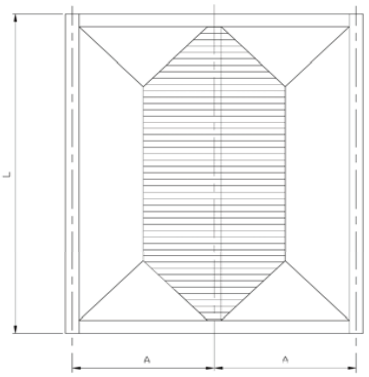
I - moment of inertia	393.27	x 10^3 mm^4
y - max depth of section from N axis	25.5	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	15.4	
Panel Width Increments	100	mm
Window Height Increments	100	mm

Ixx = 160.79 x 10^3 mm^4
y max = 25.5 mm

Iyy = 116.24 x 10^3 mm^4
x max = 20 mm



TOTAL
Iyy = 393.27 x 10^3 mm^4
x max = 25.5 mm



Mullion Pressure Ratings (Pa): Symmetrical Panels

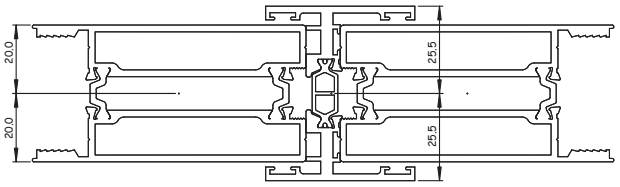
Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CGSD123 & CGSD109 & CGSD123
	Panel Width (mm) (A)									
Window Height (mm) (L)	700	800	900	1000	1100	1200	1300	1400	1500	Serviceability
400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
500	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
700	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
800	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
900	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1000	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	4866	4671	4588	4560	4560	4560	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	4709	4326	3925	3729	3590	3461	3408	3391	3391	250
	8000	8000	8000	8000	7926	7642	7475	7419	7419	U
1500	3745	3426	3191	2924	2798	2707	2619	2584	2573	250
	8000	8000	7616	7081	6681	6390	6190	6071	6032	U
1600	3029	2760	2560	2336	2225	2141	2060	2019	1995	250
	8000	7229	6585	6095	5721	5437	5229	5084	4999	U
1700	2484	2257	2087	1956	1799	1724	1668	1610	1581	250
	7111	6338	5756	5308	4962	4693	4487	4334	4228	U
1800	2176	1869	1723	1611	1477	1410	1358	1318	1276	250
	6302	5605	5077	4669	4349	4098	3900	3748	3634	U
1900	1827	1566	1440	1342	1265	1168	1121	1085	1056	250
	5625	4994	4515	4142	3848	3613	3427	3279	3164	U
2000	1549	1398	1216	1131	1063	1010	937	904	877	250
	5053	4480	4043	3701	3430	3213	3038	2897	2784	U
2100	1325	1193	1036	961	902	855	791	761	737	250
	4565	4042	3642	3329	3079	2878	2714	2580	2472	U
2200	1142	1027	890	824	772	730	696	647	625	250
	4146	3667	3300	3011	2781	2594	2441	2315	2212	U
2300	991	890	813	712	666	629	598	555	535	250
	3782	3342	3004	2738	2525	2351	2209	2091	1993	U

Interlock Strength Charts: CGSD124 x 2 + CGSD109

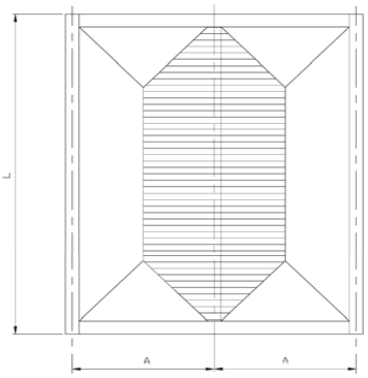
I - moment of inertia	458.79	x 10^3 mm^4
y - max depth of section from N axis	25.5	mm
E- Modulus	69	GPa
Ultimate stress	110	Mpa
Z - Section modulus	18.0	
Panel Width Increments	100	mm
Window Height Increments	100	mm

Ixx = 160.79 x 10^3 mm^4
y max = 25.5 mm

Iyy = 149.00 x 10^3 mm^4
x max = 20 mm



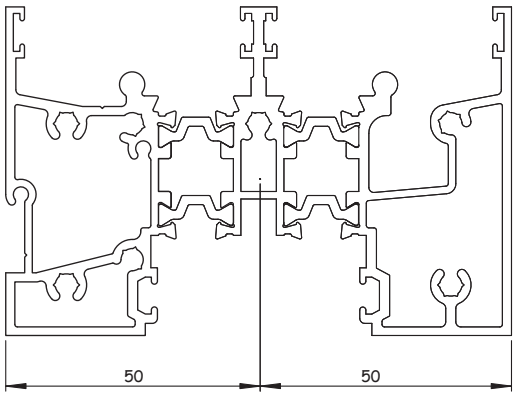
TOTAL
Iyy = 458.79 x 10^3 mm^4
x max = 25.5 mm



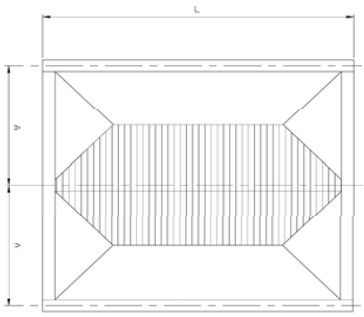
Mullion Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CGSD124 & CGSD109 & CGSD124
	Panel Width (mm) (A)									
Window Height (mm) (L)	700	800	900	1000	1100	1200	1300	1400	1500	Serviceability
500	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
700	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
800	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
900	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1000	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1100	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	5000	5000	4579	4351	4188	4038	3976	3955	3955	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	4369	3997	3722	3411	3264	3158	3056	3015	3002	250
	8000	8000	8000	8000	7794	7454	7221	7083	7037	U
1600	3533	3220	2987	2725	2595	2498	2403	2355	2328	250
	8000	8000	7682	7111	6674	6343	6100	5931	5832	U
1700	2898	2633	2434	2282	2099	2012	1945	1878	1845	250
	8000	7394	6714	6193	5788	5475	5235	5056	4932	U
1800	2539	2181	2010	1879	1723	1645	1584	1538	1489	250
	7352	6539	5923	5447	5074	4780	4550	4372	4239	U
1900	2132	1827	1680	1566	1476	1363	1308	1265	1232	250
	6562	5827	5267	4832	4489	4215	3997	3825	3691	U
2000	1807	1631	1418	1319	1240	1178	1093	1054	1023	250
	5895	5226	4716	4318	4002	3748	3544	3379	3248	U
2100	1545	1392	1208	1122	1053	997	923	888	859	250
	5326	4716	4249	3884	3592	3357	3166	3010	2884	U
2200	1332	1198	1038	962	901	852	811	755	729	250
	4836	4278	3849	3513	3244	3026	2848	2701	2581	U
2300	1156	1038	948	831	777	733	697	648	624	250
	4412	3898	3504	3194	2945	2743	2577	2439	2325	U
2400	1010	906	826	723	675	636	604	577	538	250
	4041	3568	3204	2918	2687	2499	2344	2215	2107	U

Transom Strength Charts: CGSD403



I - moment of inertia	1229.27	x 10^3
y - max depth of section from N axis	50	mm
E- Modulus	69	Gpa
Ultimate stress	110	Mpa
Z - Section modulus	24.4	
Panel Height Increments	100	mm
Window Width Increments	100	mm



TOTAL

$I_{yy} = 1229.27 \times 10^3 mm^4$

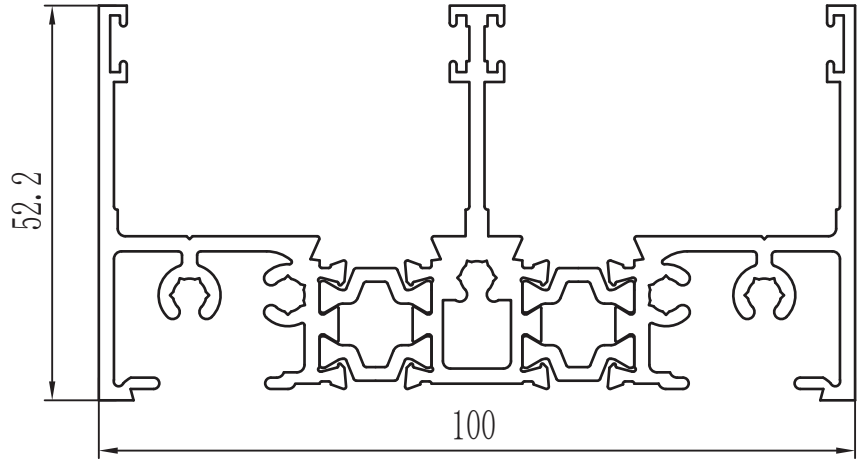
x max = 50 mm

Transom Pressure Ratings (Pa): Symmetrical Panels

Darley Aluminium			Serviceability 1/250	Ultimate U			Limitations: Serviceability to 5000Pa & Ultimate to 8000Pa			CGSD403
	Panel Height (mm) (A)									
Window Width (mm) (L)	1200	1300	1400	1500	1600	1700	1800	1900	2000	Serviceability
1200	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1300	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1400	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1500	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	8000	8000	8000	8000	8000	8000	U
1600	5000	5000	5000	5000	5000	5000	5000	5000	5000	250
	8000	8000	8000	7921	7876	7876	7876	7876	7876	U
1700	4958	4740	4579	4466	4400	4377	4377	4377	4377	250
	7436	7110	6868	6700	6600	6566	6566	6566	6566	U
1800	4329	4120	3959	3839	3755	3704	3688	3688	3688	250
	6493	6181	5939	5758	5632	5557	5531	5531	5531	U
1900	3651	3505	3390	3302	3204	3159	3133	3124	3124	250
	5726	5430	5196	5013	4876	4780	4722	4703	4703	U
2000	3155	2929	2824	2742	2677	2603	2570	2551	2545	250
	5091	4814	4590	4412	4272	4166	4092	4047	4032	U
2100	2671	2474	2379	2303	2242	2172	2137	2113	2098	250
	4560	4301	4089	3917	3779	3670	3588	3530	3495	U
2200	2282	2174	2023	1953	1897	1851	1797	1771	1752	250
	4110	3868	3669	3505	3372	3263	3178	3112	3066	U
2300	1965	1869	1735	1672	1620	1577	1542	1500	1480	250
	3726	3500	3313	3158	3030	2924	2838	2770	2718	U
2400	1704	1618	1547	1442	1394	1355	1322	1296	1262	250
	3394	3183	3008	2862	2739	2637	2553	2484	2429	U
2500	1488	1411	1346	1292	1210	1173	1142	1117	1097	250
	3106	2909	2745	2607	2491	2393	2311	2243	2187	U
2600	1307	1237	1179	1130	1056	1022	994	970	951	250
	2854	2670	2516	2386	2276	2182	2103	2037	1982	U
2700	1154	1091	1039	994	957	897	871	848	830	250
	2632	2459	2315	2192	2088	2000	1924	1860	1805	U
2800	1025	968	920	880	845	791	767	746	729	250
	2435	2273	2138	2022	1924	1840	1767	1706	1653	U
2900	914	862	819	782	750	723	679	660	643	250
	2260	2108	1980	1872	1779	1699	1630	1571	1520	U
3000	863	771	732	698	669	645	623	587	571	250
	2103	1961	1840	1738	1650	1574	1509	1452	1403	U
3100	776	693	657	626	600	577	557	524	509	250
	1963	1829	1715	1618	1535	1463	1401	1346	1299	U

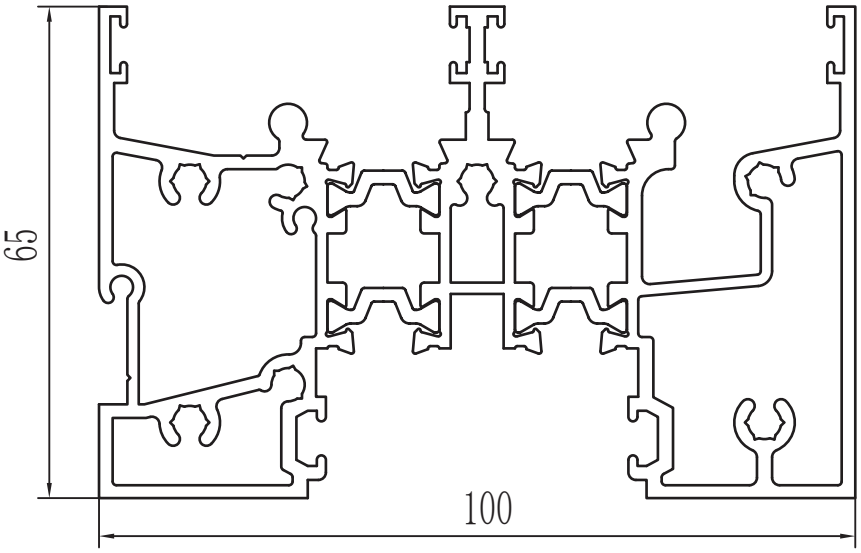
Section Profiles

Mainframe Profiles



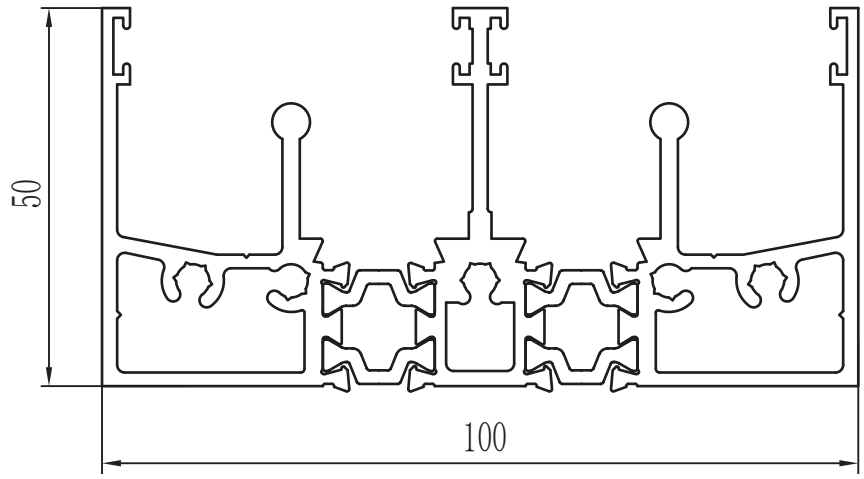
CGSD401
Head

A.P. = 832 mm
P.P. = 362 mm



CGSD403
Sill Transom (Self draining)

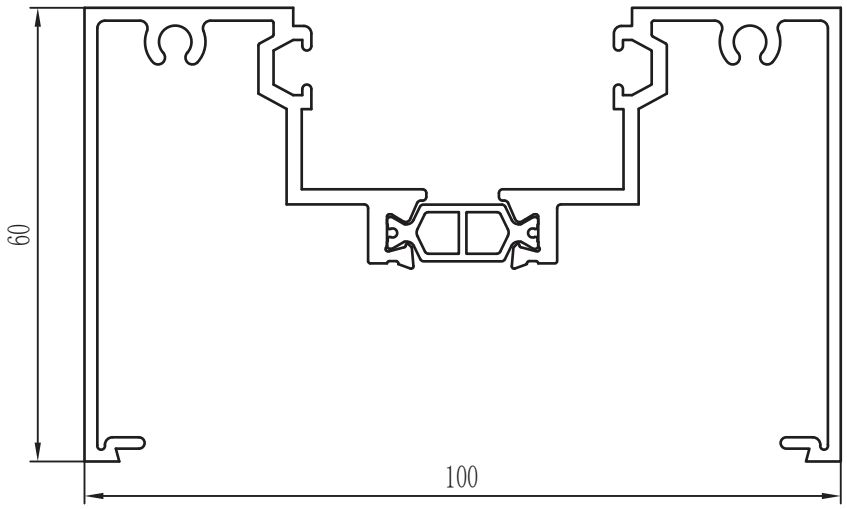
A.P. = 792 mm
P.P. = 487 mm



CGSD402
Sill (Requires Subsill)

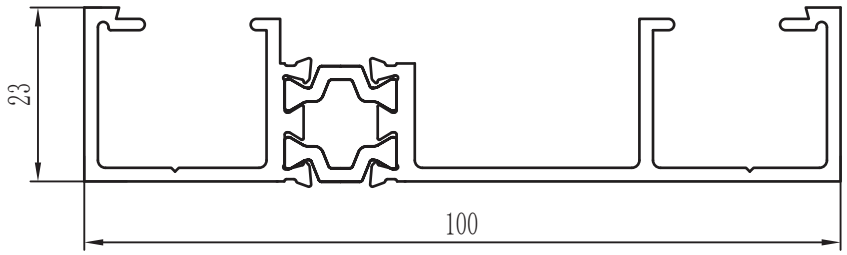
A.P. = 682 mm
P.P. = 428 mm

Mainframe Profiles



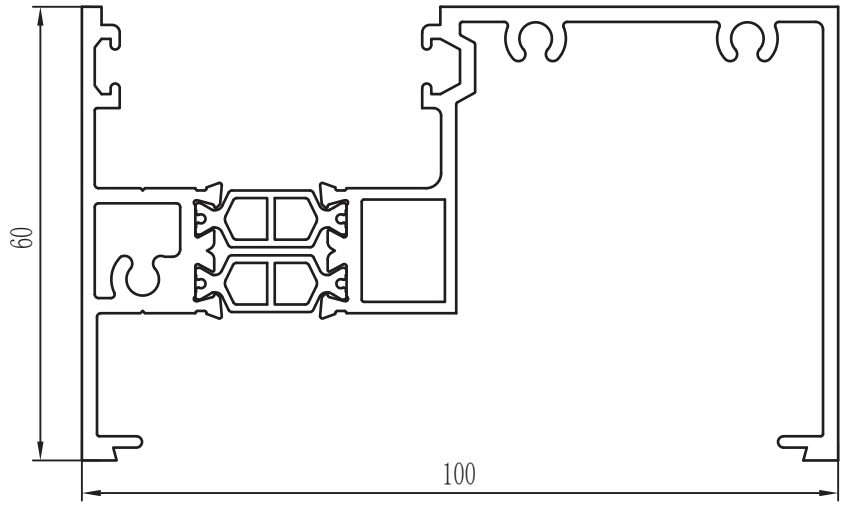
CGDG101
Jamb (for lowlight and highlight)

A.P. = 666 mm
P.P. = 200 mm



CGSD100
Jamb (dedicated)

A.P. = 453 mm
P.P. = 200 mm

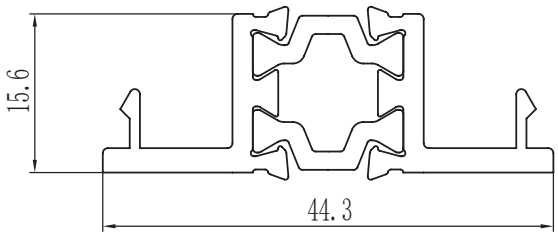


CGFG301
Jamb (for highlights only)

A.P. = 623 mm
P.P. = 213 mm

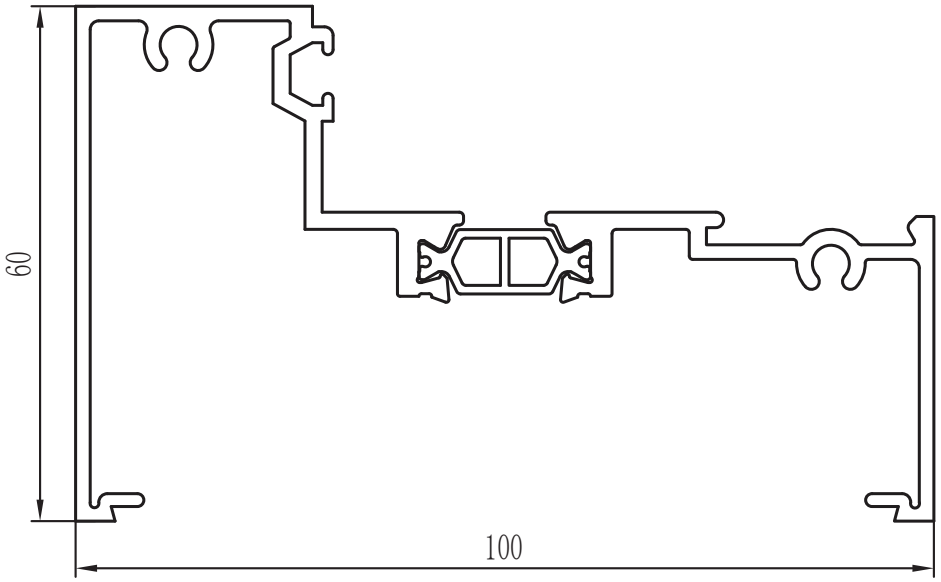
Appendix

Mainframe Profiles



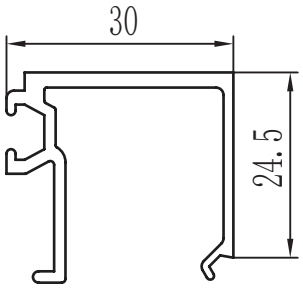
CGDG106
Flat filler (Fits CGDG101/ CGFG301)

A.P. = 117 mm
P.P. = 100 mm



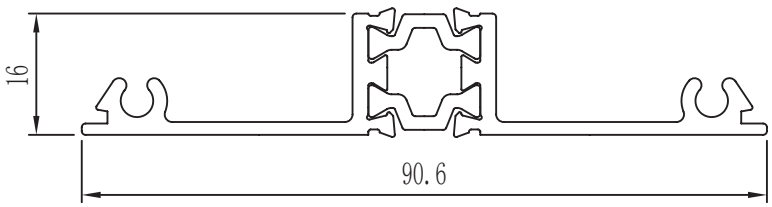
CGDG102
Lowlight Sill

A.P. = 559 mm
P.P. = 200 mm



CGDG110
Bead (Fits CGDG102)

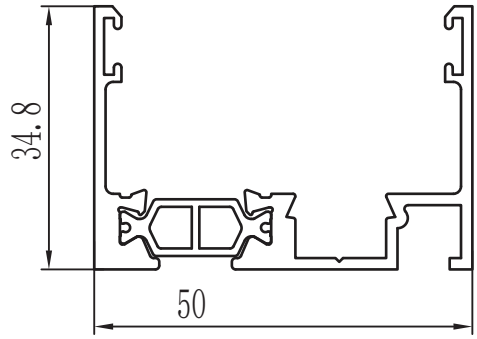
A.P. = 100 mm
P.P. = 100 mm



CGDG118
Frame Filler

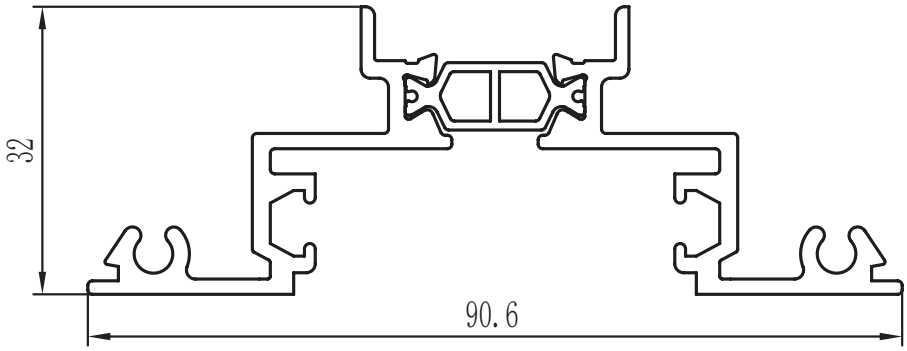
A.P. = 306 mm
P.P. = 200 mm

Mainframe Profiles



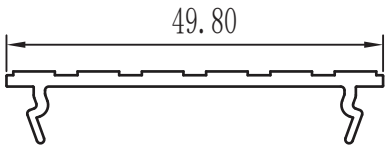
CGSD111
Jamb Plant On

A.P. = 301 mm
P.P. = 200 mm



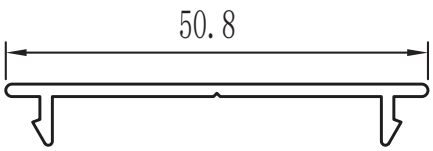
CGDG113
Jamb Clip On (Fits CGFG301)

A.P. = 406 mm
P.P. = 200 mm



SD603
Threshold

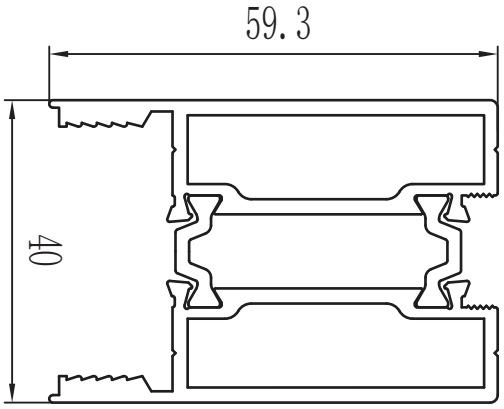
A.P. = 140 mm
P.P. = 100 mm



SD128
Head/Jamb Filler

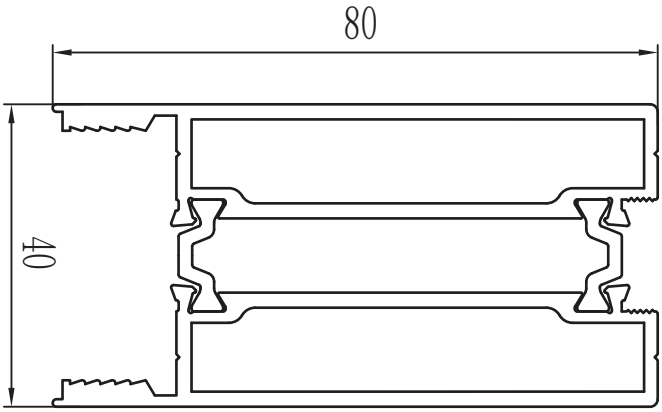
A.P. = 127 mm
P.P. = 100 mm

Panel Profiles



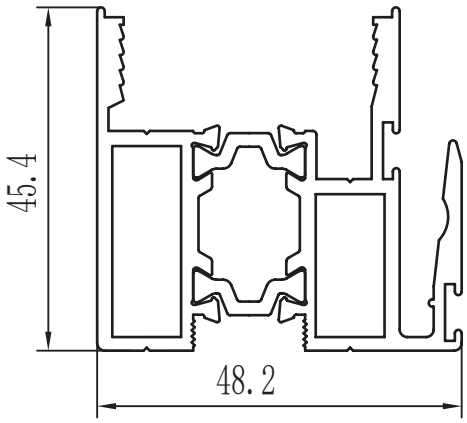
CGSD123
Standard Stile

A.P. = 484 mm
P.P. = 200 mm



CGSD124
Large Stile

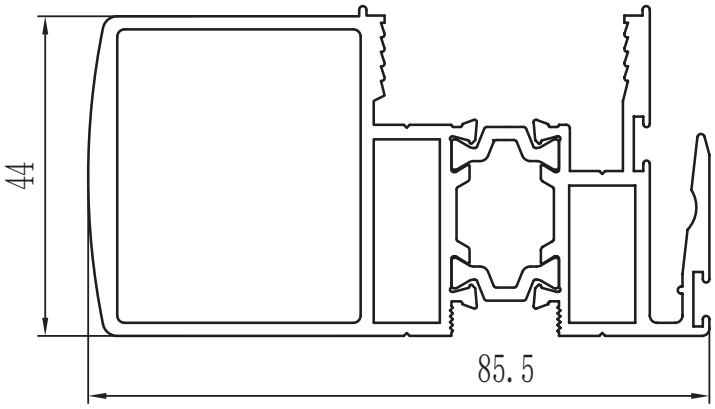
A.P. = 434 mm
P.P. = 200 mm



CGSD125
Standard Interlock

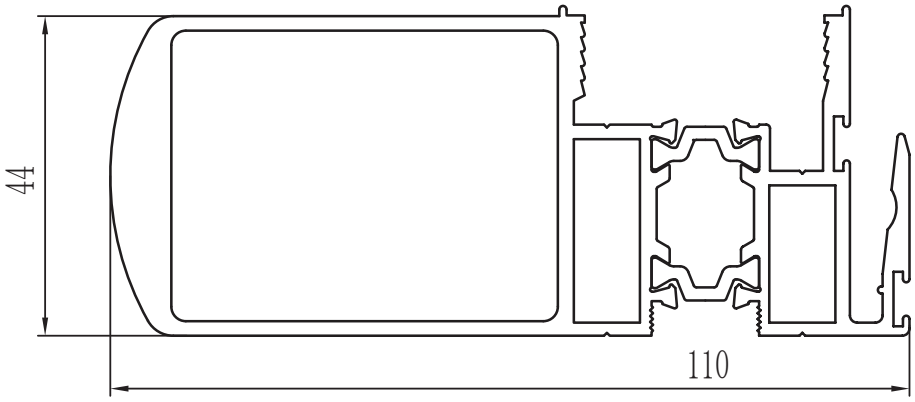
A.P. = 394 mm
P.P. = 243 mm

Panel Profiles



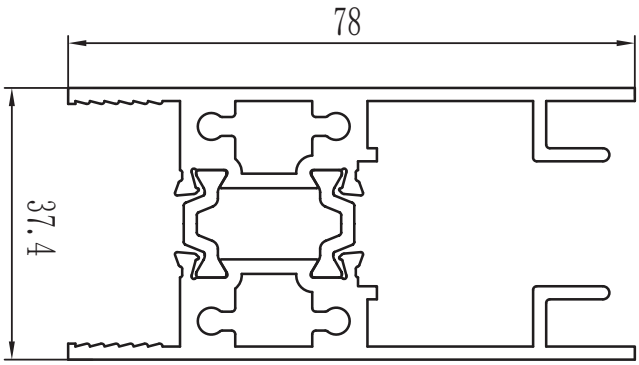
CGSD151
Medium Interlock

A.P. = 463 mm
P.P. = 269 mm



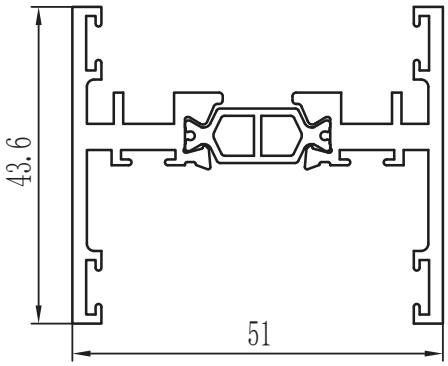
CGSD152
H/D Interlock

A.P. = 506 mm
P.P. = 318 mm



CGSD127
Rail

A.P. = 484 mm
P.P. = 200 mm

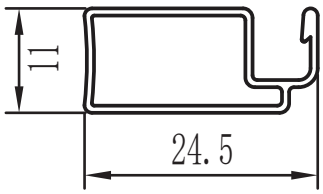


CGSD109
FSF/FSSF Receiver

A.P. = 388 mm
P.P. = 200 mm

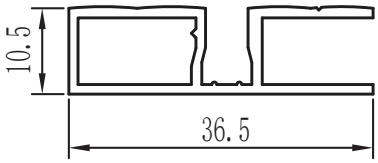
Appendix

Flyscreen Profiles



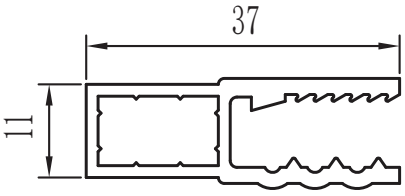
HFF180
11mm Flyscreen

A.P. = 85 mm
P.P. = 100 mm



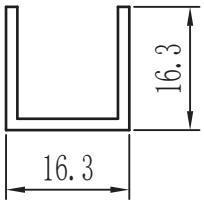
WF001
Security Window Frame

A.P. = 140 mm
P.P. = 100 mm



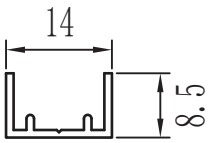
AU01002
Screenguard Window Frame

A.P. = 152 mm
P.P. = 100 mm



DT3355
Flyscreen Channel

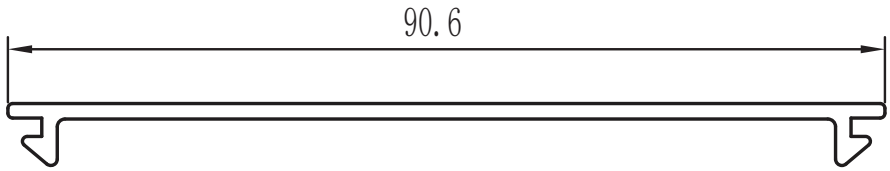
A.P. = 95 mm
P.P. = 100 mm



DT3553
Flyscreen Channel

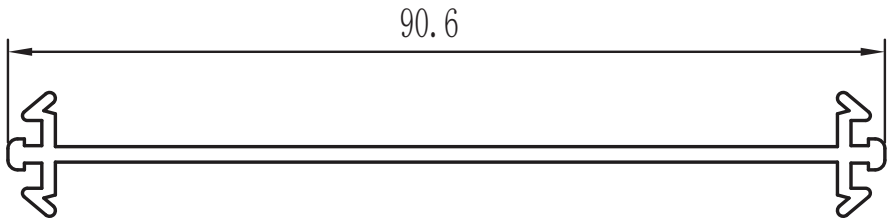
A.P. = 67 mm
P.P. = 100 mm

Additional Profiles



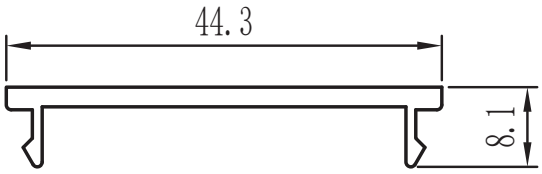
TJ305
Non-Thermal Frame Filler

A.P. = 206 mm
P.P. = 100 mm



TJ385
Non-Thermal Back To Back Adaptor

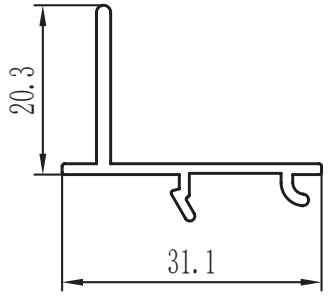
A.P. = 247 mm
P.P. = - mm



CGM106
Non-Thermal Pocket Filler

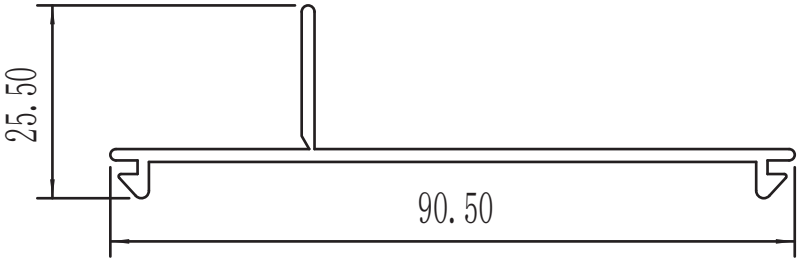
A.P. = 117 mm
P.P. = 100 mm

Additional Profiles



CGSD342
Reveal Adaptor (Fits CGSD100/CGSD401)

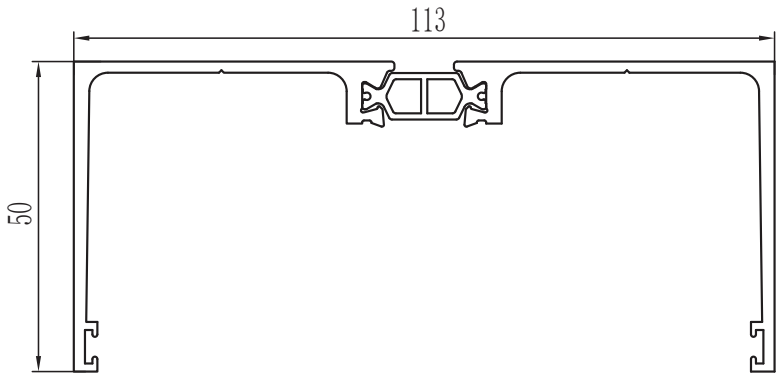
A.P. = 123 mm
P.P. = 130 mm



TJ342
Reveal Adaptor (Fits CGDG101/CGDG102/ CGFG301)

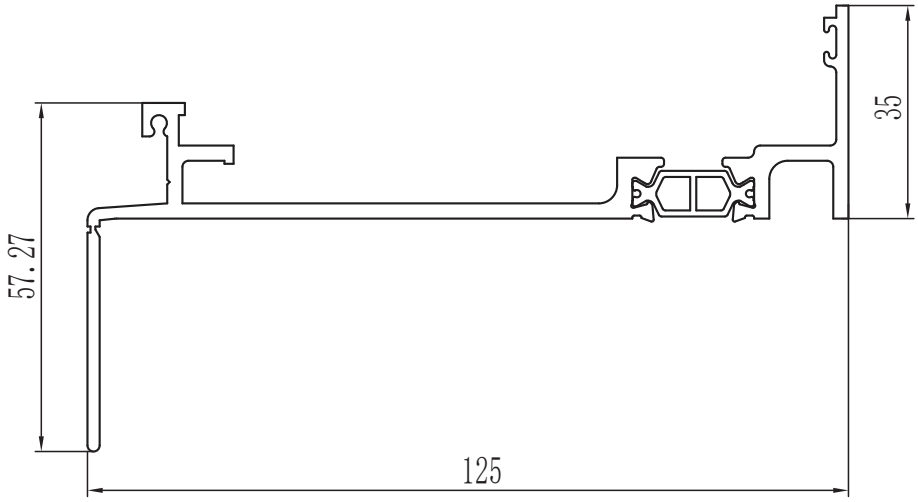
A.P. = 244 mm
P.P. = 130 mm

Subframing Profiles



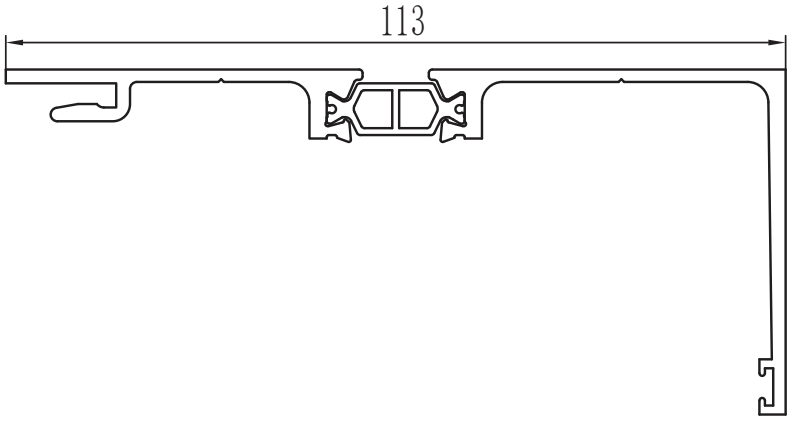
DTB101
100mm Thermal Subhead
50mm Tall

A.P. = 474 mm
P.P. = 210 mm



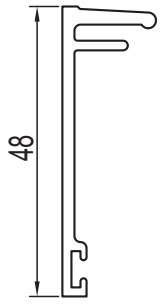
DTB102
Subsill

A.P. = 506 mm
P.P. = 200 mm



DTB103
100mm Thermal
Subhead / Subjamb
50mm Tall

A.P. = 396 mm
P.P. = 205 mm



TJ6159
Sub Head/Jamb Cover
50mm Tall
(Covers can suit 100, 150, 165 framing, Thermal & non-thermal)

A.P. = 155 mm
P.P. = 100 mm

Appendix

ClimateGuard Sliding Window Supply Data

Profile Description	Profile Code	AP (mm)	PP (mm)	Length (m)
100MM THERMAL CENTRE FRAME 6.5M MILL FINISH	CGDG101	666	200	6.5
100MM THERMAL CENTRE SILL 6.5M MILL FINISH	CGDG102	572	200	6.5
THERMAL FRAME POCKET FILLER 6.5M MILL FINISH	CGDG106	200	100	6.5
100MM THERMAL CENTRE BEAD 6.5M MILL FINISH	CGDG110	192	100	6.5
100MM THERMAL CENTRE POCKET ADAPTOR 6.5M MILL FINISH	CGDG113	406	200	6.5
100MM THERMAL FLUSH FILLER 6.5M MILL FINISH	CGDG118	306	200	6.5
100MM THERMAL FRONT FRAME 6.5M MILL FINISH	CGFG301	623	213	6.5
CLIMATEGUARD POCKET FILLER 6.5M CLEAR ANO	CGM106	117	100	6.5
100MM THERMAL SLIDING DOOR JAMB 6.5M MILL FINISH	CGSD100	453	200	6.5
FSF/FSSF RECEIVER	CGSD109	388	200	6.5
THERMAL SLIDING DOOR RECEIVER CHANNEL 6.5M MILL FINISH	CGSD111	301	200	6.5
CG SLIDING WINDOW STILE 6.5M MILL FINISH	CGSD123	352	200	6.5
THERMAL SLIDING/STACKING DOOR STILE 6.5M MILL FINISH	CGSD124	434	200	6.5
THERMAL SLIDING/STACKING DOOR STD INTERLOCK 6.5M MILL FINISH	CGSD125	394	243	6.5
THERMAL SLIDING/STACKING DOOR RAIL 6.5M MILL FINISH	CGSD127	484	200	6.5
THERMAL SLIDING/STACKING DOOR BOX INTERLOCK 6.5M MILL FINISH	CGSD151	463	269	6.5
CLIMATEGUARD SLIDING DOOR H/D BOX INTERLOCK 6.5M MILL FINISH	CGSD152	506	318	6.5
THERMAL REVEAL ADAPTOR 6.5M MILL FINISH	CGSD342	123	100	6.5
100MM THERMAL SLIDING DOOR HEAD 6.5M MILL FINISH	CGSD401	832	200	6.5
100MM THERMAL SLIDING DOOR SILL 6.5M MILL FINISH	CGSD402	682	200	6.5
CG SLIDING WINDOW TRANSOM SILL 6.5M MILL FINISH	CGSD403	855	464	6.5
100MM THERMAL SUBHEAD 6.5M MILL FINISH	DTB101	474	210	6.5
100MM THERMAL SUBSILL 6.5M MILL FINISH	DTB102	506	200	6.5
100MM THERMAL SUBHEAD/JAMB 6.5M MILL FINISH	DTB103	396	205	6.5
HEAD/JAMB FILLER	SD128	127	100	6.5
THRESHOLD	SD603	140	100	6.5
11MM FLYSCREEN	HFF180	85	100	6.5
SECURITY WINDOW FRAME	WF001	140	100	6.5
SCREENGUARD WINDOW FRAME	AU01002	152	100	6.5
FLYSCREEN CHANNEL (INTERLOCK)	DT3553	67	100	6.5
FLYSCREEN CHANNEL (JAMB)	DT3355	95	100	6.5
NON-THERMAL FRAME FILLER	TJ305	206	100	6.5
REVEAL ADAPTOR	TJ342	244	130	6.5
NON-THERMAL BACK-TO-BACK ADAPTOR	TJ385	247	100	6.5

Darley Aluminium

Darley Aluminium are long standing members of various industry associations including the Australian Glass & Window Association (AGWA) and the Window Energy Rating Scheme (WERS) and as such we conform to an Industry Code of Conduct designed to protect consumers.

Manufacturing Standards;

All aluminium extrusions supplied to by Darley Aluminium have been supplied in accordance with Australian Standard AS1866 – 'Aluminium and Aluminium alloy: Extruded rod, bar, solid and hollow shapes'. All Anodised and Painted Extrusions are as per AS1231 Aluminium and Aluminium Alloys – 'Anodic Oxidation Coatings' and AS3715 – 'Metal Finishing-Thermoset Powder Coatings for Architectural Applications of Aluminium and Aluminium Alloys'.

Product Testing and Compliance;

Darley Aluminium products are tested in NATA accredited independent laboratories to ensure they meet the relevant Australian Standards. Energy ratings can also be found on the Window Energy Rating Scheme (WERS) website: https://agwa.imiscloud.com/WERS/

NEW SOUTH WALES
8 Tyrone Place, Erskine Park NSW 2759
Tel: (02) 8887 2888
Fax: (02) 9834 3244
salesnsw@darleyaluminium.com.au

VICTORIA | SOUTH AUSTRALIA
10 Bridge Road, Keysborough VIC 3173
Tel: (03) 9238 3888
Fax: (03) 9768 7288
salesvic@darleyaluminium.com.au

WESTERN AUSTRALIA
36 Armstrong Road, Hope Valley WA 6165
Tel: (08) 9437 2999
Fax: (08) 9437 1024
saleswa@darleyaluminium.com.au

QUEENSLAND
29 Access Avenue, Yatala QLD 4207
Tel: (07) 3287 1888
Fax: (07) 3287 2088
saleqld@darleyaluminium.com.au

Warranty

Darley Aluminium, Door & Framing extrusions are warranted for a period of 6 years as per AS2047 requirements, unless otherwise specified. Powder coat and anodised finished can be warranted for extended periods subject to application. Warranty is subject to the following conditions:

- ☐ The product is installed in accordance with the relevant Building Codes practices and maintained as per the recommended Care & Maintenance.
- ☐ The product has not been subject to misuse, physical abuse or neglect.
- ☐ Claims under this warranty should be made within one month of defect arising in the product.
- ☐ A documented maintenance schedule is required to obtain extended warranty.

Care & Maintenance

- ☐ A gentle wash with a soft non-abrasive brush or cloth using a mild detergent followed by a fresh water rinse will maintain the long term performance of the powder coat or anodised finish.
- ☐ If paint splashes, sealants or other residue need to be removed, then methylated spirits or white spirits can be applied with a soft cloth and gentle wiping only.
- ☐ In rural or normal urban environments, cleaning should occur at least every 12 months.
- ☐ In areas of pollution, industrial or coastal areas back one kilometre from the water, cleaning should occur at least every 3 months.
- ☐ In hazardous locations such as beachfronts, severe marine environments or areas of high industrial pollution, the frequency of cleaning should be increased to monthly.
- ☐ Special maintenance may be required in some extended warranty applications.

Tracks Keep tracks free from obstruction and excessive dirt or water.

Guides and Spindles To be greased with good quality automotive grease every 6 months.

Rollers As per manufacturer's instructions.

Hinges, Hangers & Flush Bolts Visible surfaces should be cleaned using a damp cloth and mild detergent, then wiped dry. Apply a light application of non-corrosive preventative lubricant to all surfaces and internals, using a dry cloth to remove excess. Repeat at intervals no greater than 3 months.

Seals and PVC Product An occasional wipe with a damp cloth or a wash with warm soapy water is all that is required.

Glass Simply wipe over the surface with a few drops of methylated spirits on a damp cloth, then polish the surface with a dry, lint-free, non-abrasive cloth.

Ver 3: August 2023

NEW SOUTH WALES
8 Tyrone Place, Erskine Park NSW 2759
Tel: (02) 8887 2888
Fax: (02) 9834 3244
salesnsw@darleyaluminium.com.au

VICTORIA | SOUTH AUSTRALIA
10 Bridge Road, Keysborough VIC 3173
Tel: (03) 9238 3888
Fax: (03) 9768 7288
salesvic@darleyaluminium.com.au

WESTERN AUSTRALIA
36 Armstrong Road, Hope Valley WA 6165
Tel: (08) 9437 2999
Fax: (08) 9437 1024
saleswa@darleyaluminium.com.au

QUEENSLAND
29 Access Avenue, Yatala QLD 4207
Tel: (07) 3287 1888
Fax: (07) 3287 2088
saleqld@darleyaluminium.com.au

Darley Aluminium
ClimateGuard Sliding Window

1.Technical Manual Release Notes

This page is intended to record all changes to the **CITYVIEW SLIDING WINDOW SYSTEM** technical manual pages.
Changes or additions to this manual will be itemised with a brief description and date when the amendments were made. It is important that a copy of the page be issued with the update and inserted as the first page in the customers technical manual.

ISSUE	DATE	DESCRIPTION OF CHANGE	REFER TO SECTION
6.1	JUL 2026	Removal of Interlock Buffer 1672	**Page 18, 22**