comar
ARCHITECTURAL ALUMINIUM SYSTEMS

QMS
B.S. 5750 / ISO 9000
REGISTERED FIRM

A Member of the Parkside group LTD

COMAR 7Pi - HSD

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CONTENTS

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COMAR 7Pi - HSD

INTRODUCTION

Comar 7Pi Horizontal Sliding Doors demonstrates a continuation of Comar's innovative approach to the design of Architectural Aluminium products.
The sliding door profiles are thermally broken with 'rolled in' polyamide profiles, to deliver an improved thermal performance. This allows specifiers more choice to meet the revised Building Regulations.

The doors are compatible with all Comar 5Pi window systems, Comar 2 and Comar 6 curtain walling systems and the new Comar 7Pi door. This allows for flexibility in design for projects ranging from commercial to domestic.

Door configurations include two, three, four and six leaf's with an option for fixed leaf's.

Glazing gaskets allow for an exceptional range of glazing thickness' from 10-12mm to 23-29mm thick .
See Glazing Options.

All technical aspects of the range are covered in this product manual and further information is available from Comar's technical department for specific contract requirements.

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COMAR 7Pi - HSD

SPECIFICATION

Comar 7Pi Horizontal Sliding Doors are designed to conform to many of the requirements of BS4873. In addition the door system conforms to recognised industry standards as adopted by trade associations i.e.

Profiles are extruded from Aluminium Alloy 6063TF or TB, to BS EN 12020 & BS EN 755.

Profiles may be finished to the following specifications:-

Anodising to BS EN 12373 &
BS 3987.

Liquid organic coatings to BS 4842.

Powder organic coating to BS 6496.

Glass and glazing to BS 6262.

For flexibility of design, square cut, screwed joints are used for all joints of the system.

comar 7Pi

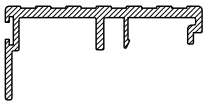
TITLE

POLYAMIDE INSULATED DOORS THERMALLY EFFICIENT DOOR SYSTEM

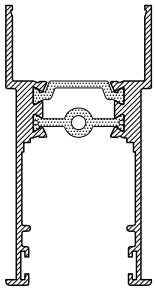
SHEET No. **HSD 1.03**

SUB TITLE

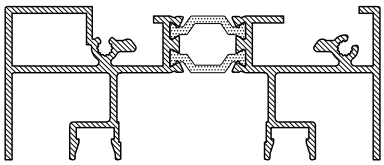
HORIZONTAL SLIDING DOOR BROADSHEET



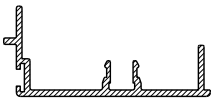
CS445
SLIDING DOOR THRESHOLD PLATE



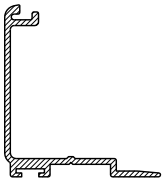
CS461
HORIZONTAL SLIDING LEAF RAIL



CS468
2 TRACK SLIDING DOOR FRAME HEAD

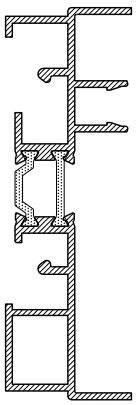


CS476
SLIDING DOOR HEAD PLATE



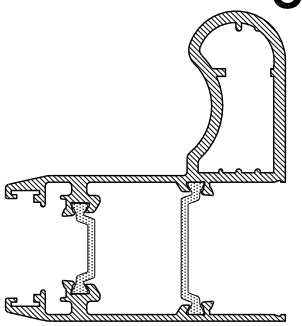
CS452
HORIZONTAL SLIDER LEAF INTERLOCK

CS473
SLIDING DOOR TRACK INSERT

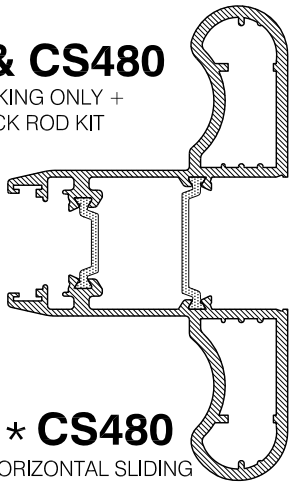


CS465
2 TRACK SLIDING DOOR FRAME INSIDE TRACK JAMB

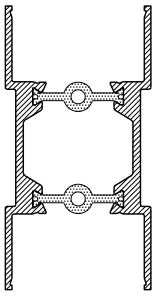
*** CS470 & CS480**
WS542 LOCKING ONLY + LK482 LOCK ROD KIT



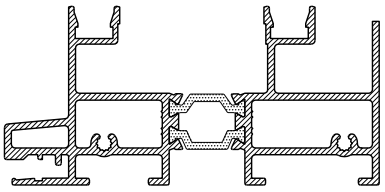
*** CS470**
HORIZONTAL SLIDING STILE INCORPORATING HANDLE



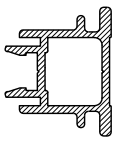
*** CS480**
HORIZONTAL SLIDING STILE INCORPORATING DOUBLE HANDLE



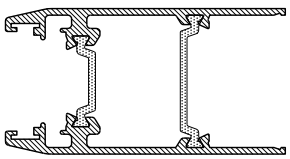
CS457
HORIZONTAL SLIDING LEAF MIDRAIL



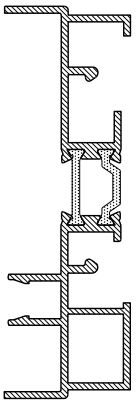
CS474
2 TRACK SLIDING DOOR SILL



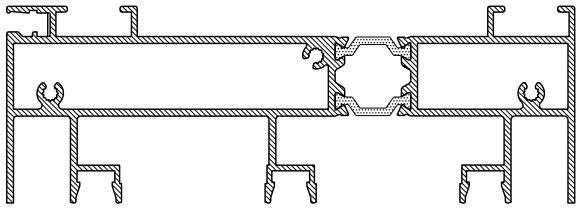
CS542
LOCKING INSERT PROFILE



CS460
HORIZONTAL SLIDING LEAF STILE



CS466
2 TRACK SLIDING DOOR FRAME OUTSIDE TRACK JAMB



CS477
3 TRACK SLIDING DOOR FRAME HEAD

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SCALE	1:2 @ A4
DATE	12/04/08
DRAWN	JAG/VM
DRG. No.	C7Pi–HSD–1.03 R1

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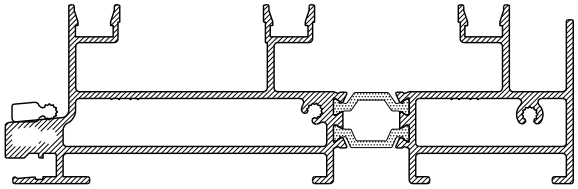
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 1.03.1

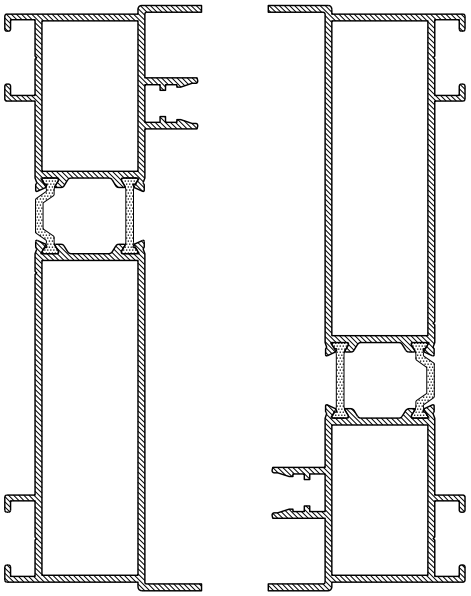
SUB TITLE
HORIZONTAL SLIDING DOOR BROADSHEET



CS479
3 TRACK
SLIDING DOOR SILL

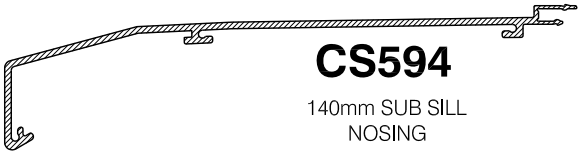
CS588
52mm SUB SILL
NOSING

CS590
80mm SUB SILL
NOSING

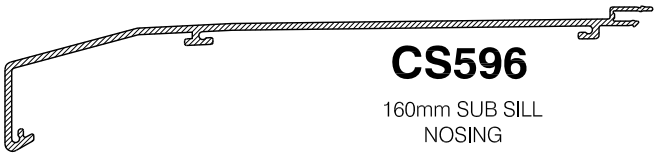


CS478
3 TRACK
SLIDING DOOR FRAME
NON HANDED
JAMB

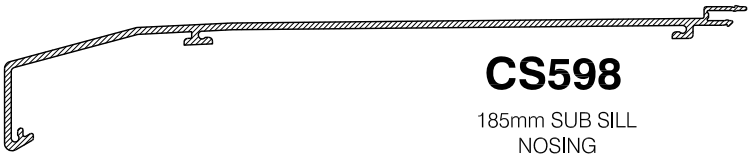
CS592
110mm SUB SILL
NOSING



CS594
140mm SUB SILL
NOSING



CS596
160mm SUB SILL
NOSING



CS598
185mm SUB SILL
NOSING

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SCALE	1:2 @ A4
DATE	02/06/17
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DRG. No.	C7Pi–HSD–1.03.1

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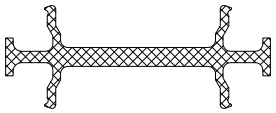
TITLE **POLYAMIDE INSULATED DOORS THERMALLY EFFICIENT DOOR SYSTEM**

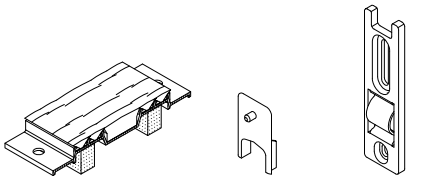
SHEET No. **HSD 1.04**

SUB TITLE **HORIZONTAL SLIDING DOOR BROADSHEET**



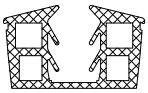
GK60
DIRECT FIXED WINDOW COUPLING LOCATOR

GK545
HORIZONTAL SLIDER FINISHING CHANNEL



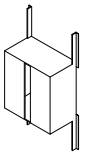
DUST PLUG - 2 | PLASTIC END CAP - 4 | ANTI-LIFT BUFFER - 4

KIT WS768XSLF

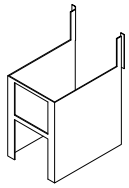


GK410
GLAZING GASKET FOR 10-12mm GLASS

GK543
11mm BUFFER GASKET FOR CS465

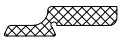


EC457DBLK
PLASTIC END CAP FOR CS457

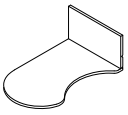


EC461DBLK
PLASTIC END CAP FOR CS461

GK416
BUBBLE GASKET 6mm



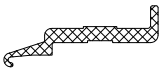
GK544
18mm BUFFER GASKET FOR CS466 & CS478



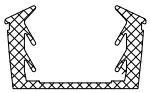
EC470DBLK
HANDLE COVER CAP FOR CS470 & CS480

GK418
WEATHER SEAL GASKET 6.9mm

EC460DBLK
PAIR OF PLASTIC INSERT FOR CS460

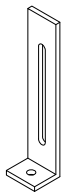


GK546
HORIZONTAL SLIDER LEAF INTERLOCK



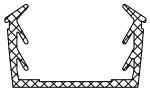
GK424
GLAZING GASKET FOR 23-25mm GLASS

CL490EWHT/BSVR
DOOR RESTRICTOR



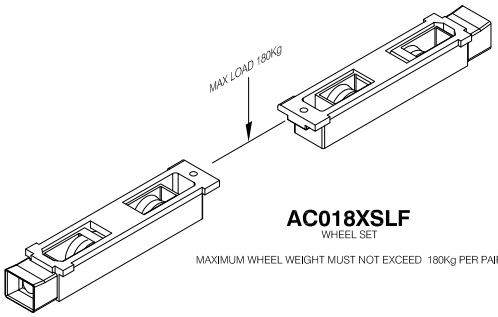
NC460XSLF
FIXING BRACKET

Pi 977100
SLIDING DOOR TRACK INSERT (HEAD)



GK428
GLAZING GASKET FOR 27-29mm GLASS

WP407
7/1000 WOOLPILE 7mm BASE, 10mm LONG



AC018XSLF
WHEEL SET

MAXIMUM WHEEL WEIGHT MUST NOT EXCEED 180Kg PER PAIR

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DRG. No.	C7Pi–HSD–1.04 R2

comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 1.05

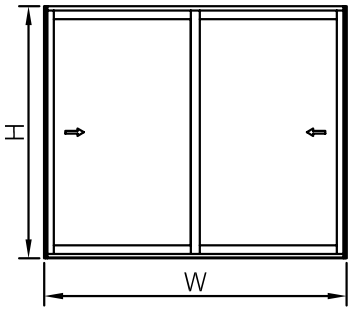
SUB TITLE
SLIDING DOOR
SIZE LIMITATIONS & CONFIGURATIONS

Note: Leaf Weights Above 180 KG Are Not Recommended

2 Leaf, 2 Track HSD
Cutting List Page 3.01

U-VALUE= 2.1 W/m²K

GLASS CP = 1.5W/m²K

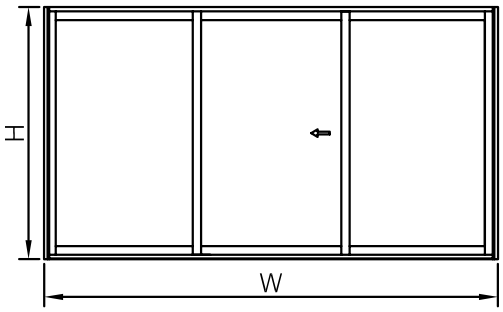


Width Max 3000 mm
Height Max 2500 mm

3 Leaf, 3 Track HSD
Cutting List Page 3.02

U-VALUE= 2.1W/m²K

GLASS CP = 1.5W/m²K

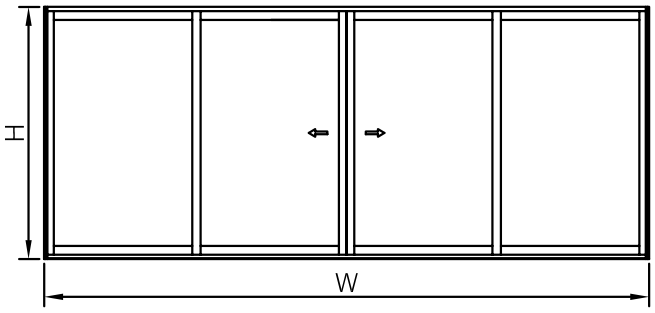


Width Max 4500 mm
Height Max 2500 mm

4 Leaf, 2 Track HSD
Cutting List Page 3.03

U-VALUE= 2.0W/m²K

GLASS CP = 1.5W/m²K

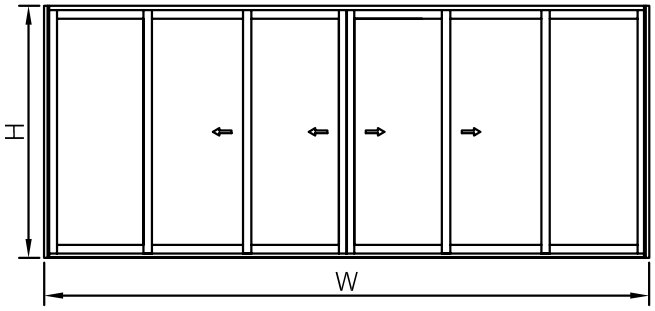


Width Max 6000 mm
Height Max 2500 mm

6 Leaf, 3 Track HSD
Cutting List Page 3.04

U-VALUE= 2.2W/m²K

GLASS CP = 1.5W/m²K



Width Max 6000 mm
Height Max 2500 mm

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DRG. No.	C7Pi-HSD-1.05 R1

comar 7Pi

TITLE

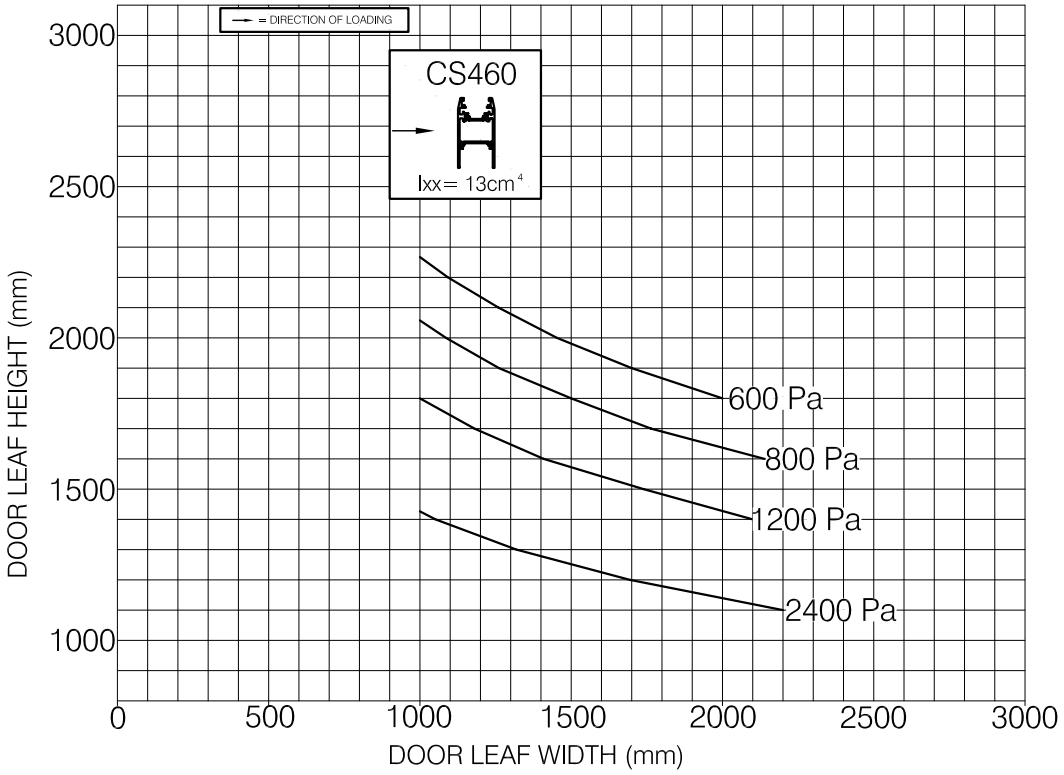
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

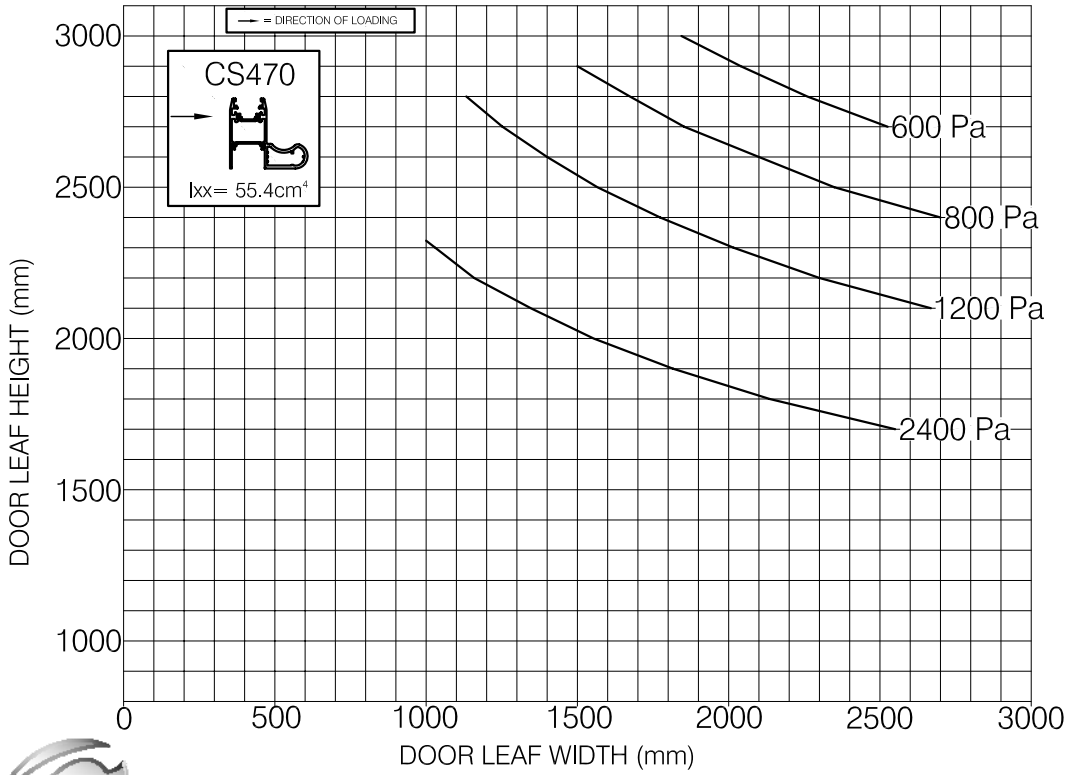
SHEET No.

HSD 1.06

SUB TITLE

HORIZONTAL SLIDING DOORS
PROFILE WIND LOADING SIZE LIMITATIONS





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DRG. No.	C7Pi–HSD–1.06 R1

comar 7Pi

TITLE

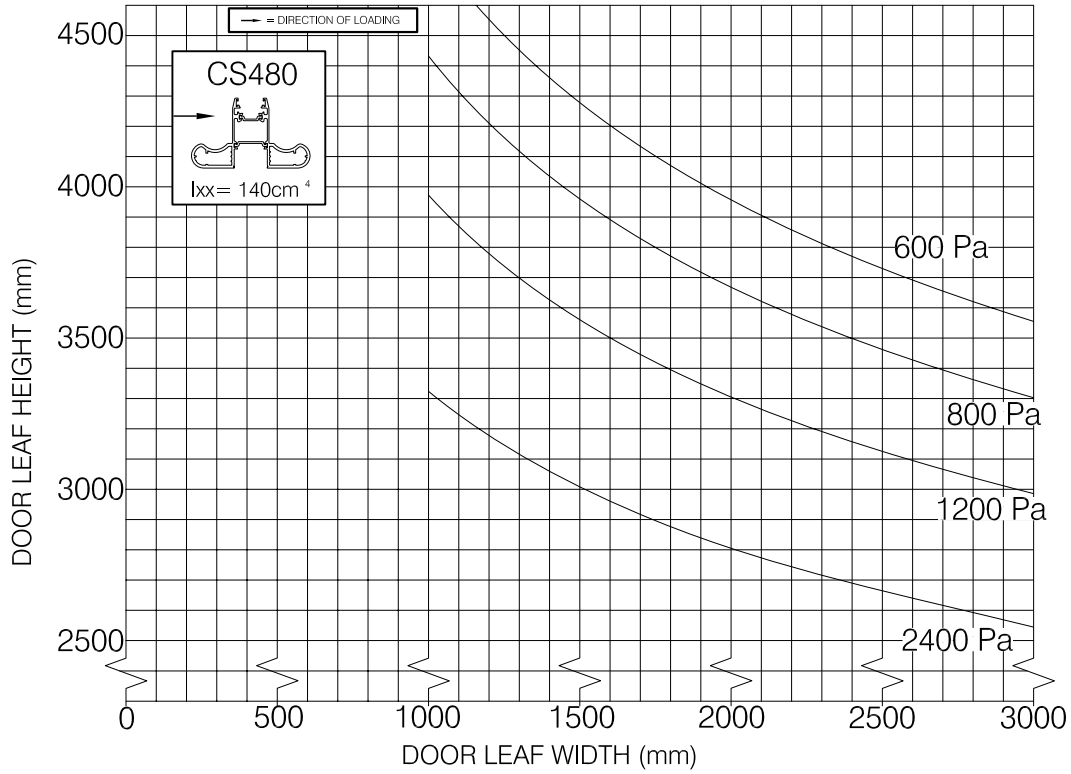
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 1.07

SUB TITLE

HORIZONTAL SLIDING DOORS
PROFILE WIND LOADING SIZE LIMITATIONS



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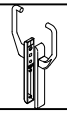
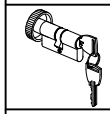
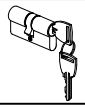
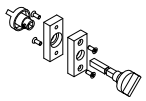
SCALE	1:1 @ A4
DATE	05-04-2009
DRAWN	PZS / DGN
DRG. No.	C7Pi-HSD-1.07 R1

comar 7Pi

PRODUCT	DESCRIPTION	CODE EWHT/BSVR
	PAIR "LEVER" HANDLES	HD440
	PAIR "LEVER" DUMMY HANDLES	HD441
	PAIR "D" HANDLES WITH EURO CYLINDER (FOR LEAF SLIDING TO LEFT - EXTERNAL VIEWED)	HD470
	PAIR "D" HANDLES WITH EURO CYLINDER (FOR LEAF SLIDING TO RIGHT - EXTERNAL VIEWED)	HD471
	SINGLE "D" HANDLE NO CYLINDER OR LEVER (FOR LEAF SLIDING TO RIGHT - INTERNAL VIEWED)	HD472
	SINGLE "D" HANDLE NO CYLINDER OR LEVER (FOR LEAF SLIDING TO RIGHT - EXTERNAL VIEWED)	HD473
	SINGLE "D" HANDLE WITH LEVER - NO CYLINDER (FOR LEAF SLIDING TO LEFT - EXTERNAL VIEWED)	HD474
	SINGLE "D" HANDLE WITH EURO CYLINDER & LEVER (FOR LEAF SLIDING TO LEFT - INTERNAL VIEWED)	HD475
	SINGLE "D" HANDLE NO CYLINDER OR LEVER (FOR LEAF SLIDING TO LEFT - INTERNAL VIEWED)	HD478
	SINGLE "D" HANDLE NO CYLINDER OR LEVER (FOR LEAF SLIDING TO LEFT - EXTERNAL VIEWED)	HD479

PRODUCT	DESCRIPTION	CODE EWHT/BSVR
	70mm CYLINDER THUMBTURN	LK473XSLF
	HALF CYLINDER 30/10	LK075XSLF
	70mm CYLINDER 35/35	LK476XSLF
	PAIR TURN KNOBS	LK477XSLF
	LOCK KEEP	LK499XSLF
	FLUSH PULL HANDLE (KIT) AUTOMATIC LOCKING	WS541
	FLUSH PULL HANDLE (KIT) AUTOMATIC OR MANUAL LOCKING WITH HOOK & KEEP	WS542
	EXTERNAL PULL HANDLE WITH A KEY	WS543
	FLUSH PULL HANDLE	WS552
	INTERNAL "D" HANDLE (LEFT HANDED)	WS553

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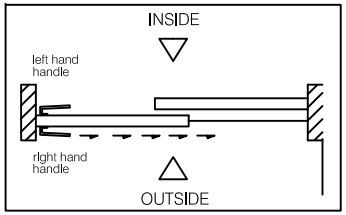
POLYAMIDE INSULATED DOORS
COMAR 7PI THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 1.08

PREPARATION & ASSEMBLY
LOCKS AND HANDLES BROADSHEET

HOW TO DETERMINE LEFT OR RIGHT HANDING OF HANDLE

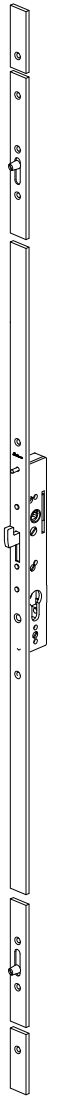


LK482XSLF
TRIPLE LOCK ROD KEEP

3 x KEEPS

LK472XSLF
3 POINT LOCK

(LK474XSLF)
5 POINT LOCK



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SCALE	NTS @A4
DATE	12/07/2017
DRAWN	VM / KD
DRG. No.	C7Pi–HSD–1.08 R2

comar 7Pi

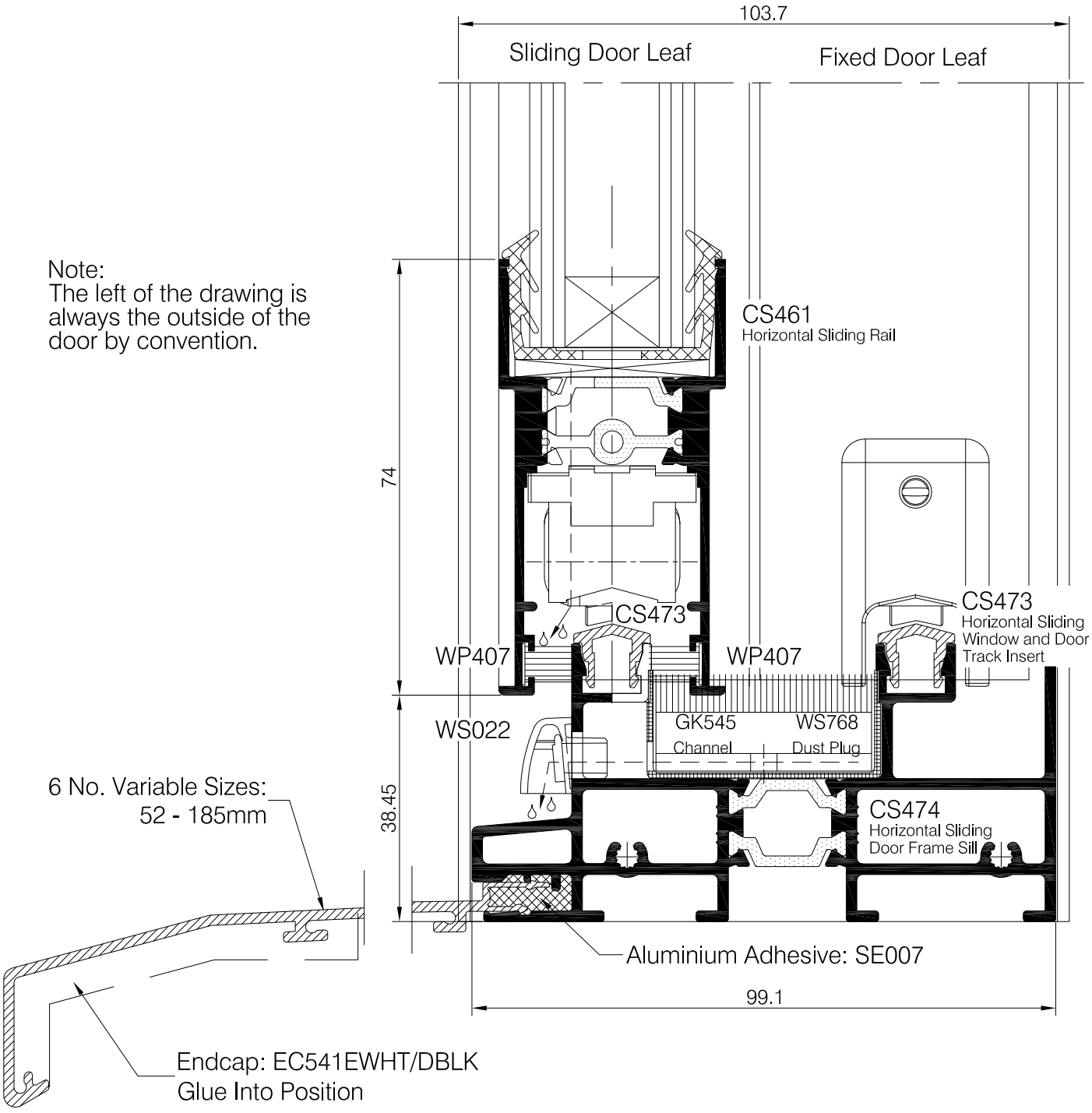
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.01

SUB TITLE
HORIZONTAL SLIDING DOORS
2 TRACK SILL DETAIL

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.

Note:
The left of the drawing is always the outside of the door by convention.



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SCALE	1:1 @ A4
DATE	15-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.01 R1

comar 7Pi

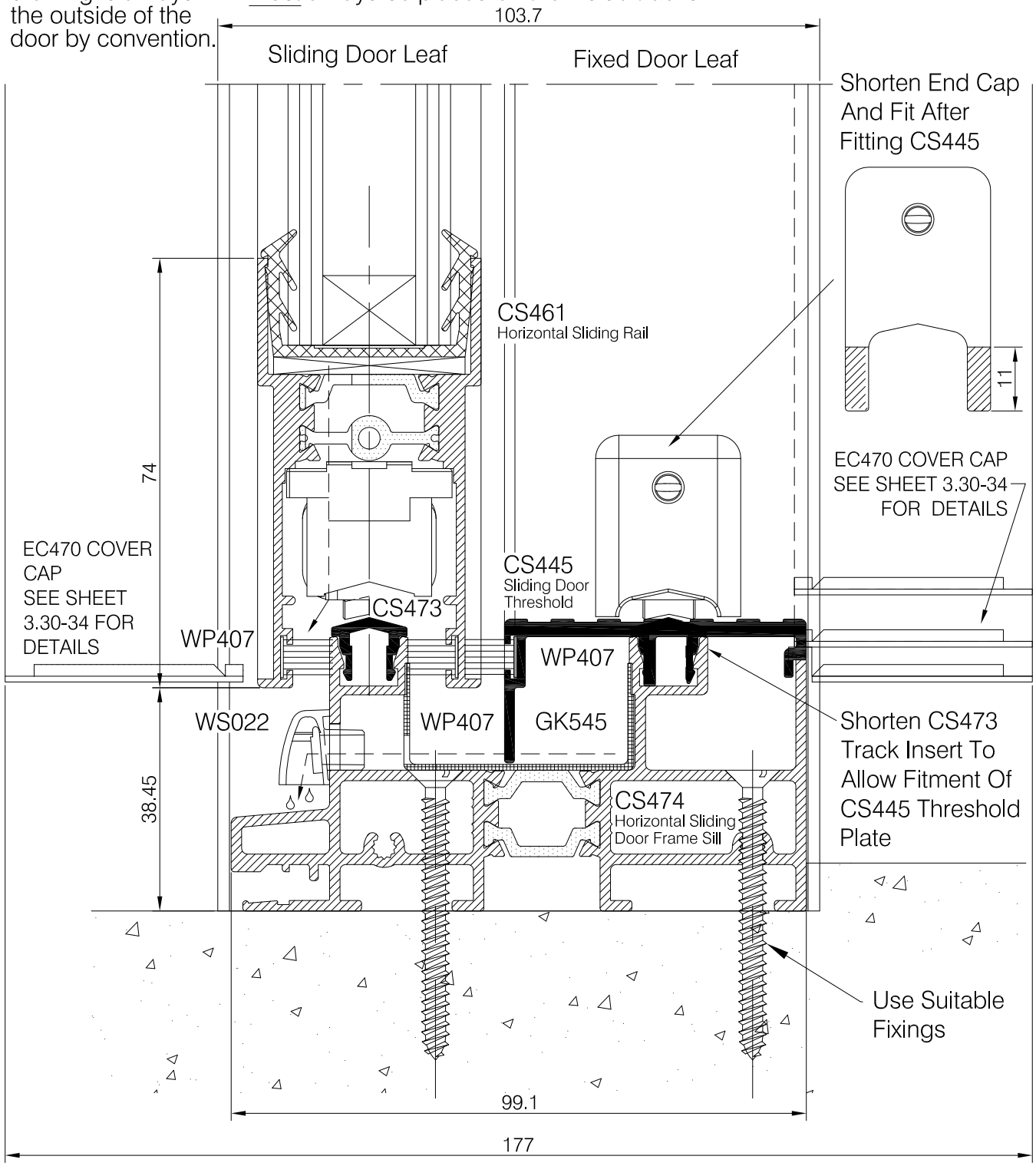
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.02

SUB TITLE
HORIZONTAL SLIDING DOORS
2 TRACK SILL DETAIL WITH THRESHOLD

Note:
The left of the drawing is always the outside of the door by convention.

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.



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SCALE	1:1 @ A4
DATE	15-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.02 R2

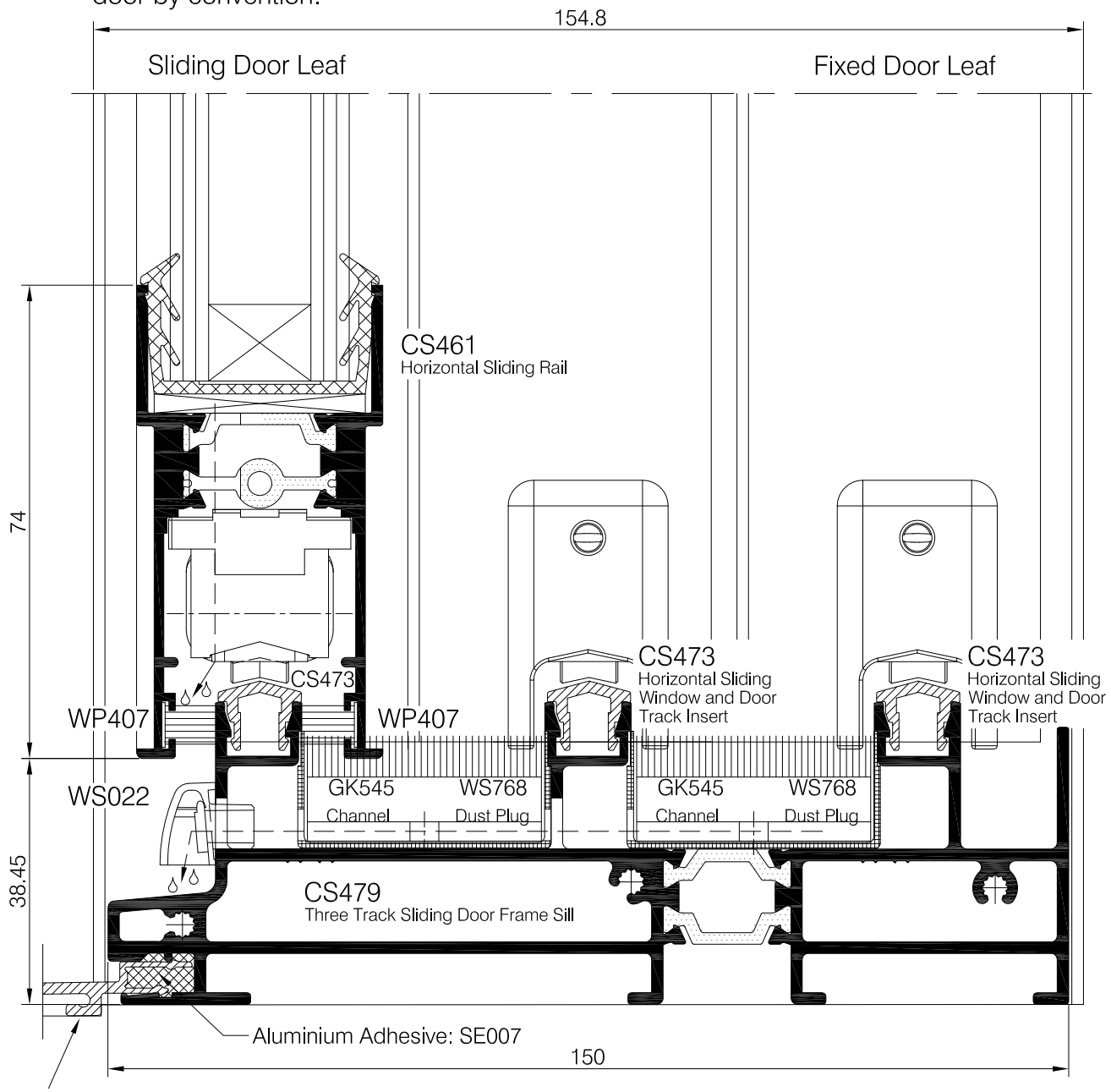
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.03

SUB TITLE
HORIZONTAL SLIDING DOORS
3 TRACK SILL DETAIL

Note:
The left of the drawing is always the outside of the door by convention.



Nosing
6 No. Variable Sizes:
52 - 185mm

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.

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SCALE	1:1 @ A4
DATE	17-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.03 R2

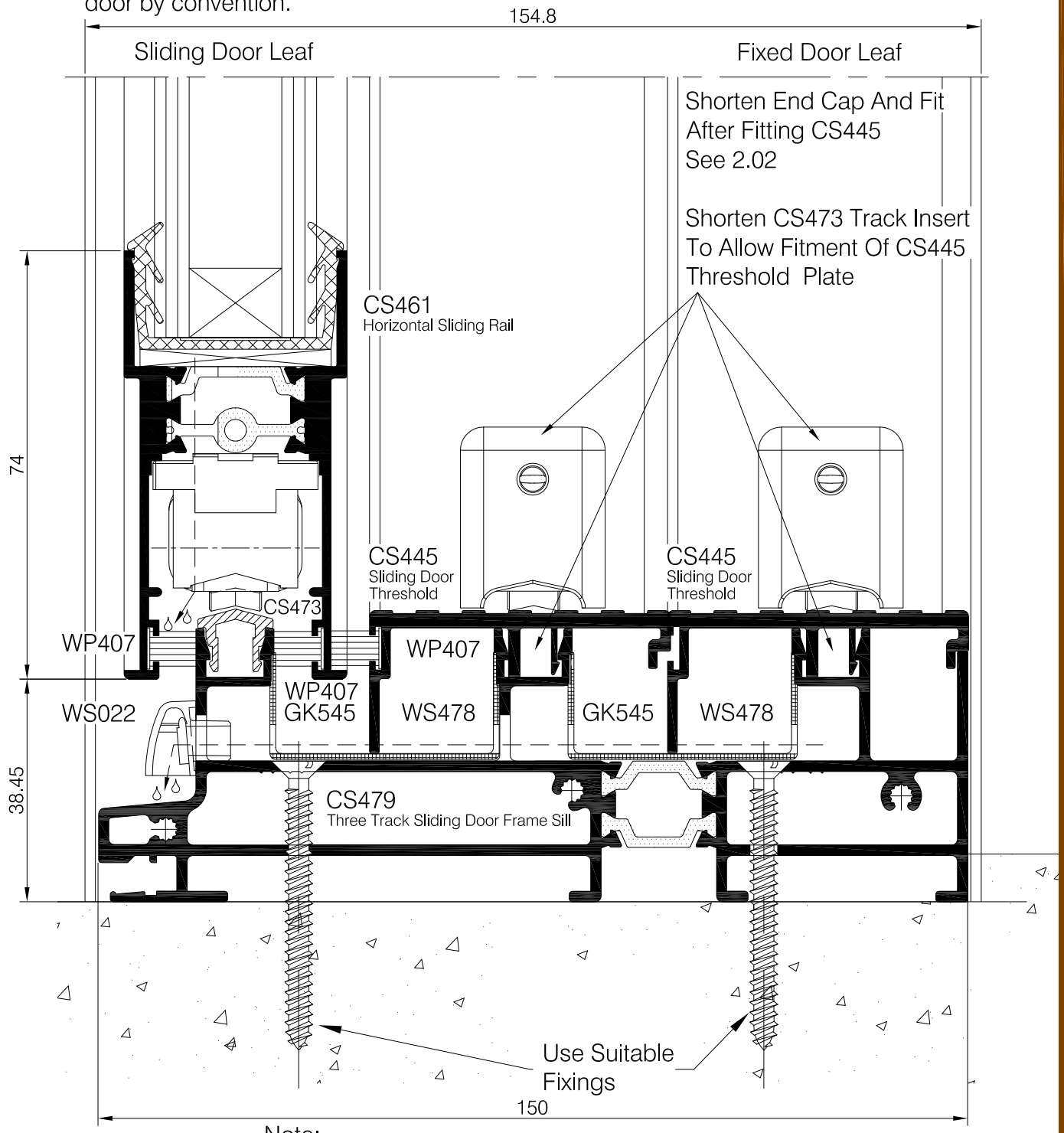
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.04

SUB TITLE
HORIZONTAL SLIDING DOORS
3 TRACK SILL DETAIL WITH THRESHOLD

Note:
The left of the drawing is always the outside of the door by convention.



Note:
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SCALE	1:1 @ A4
DATE	17–10–2008
DRAWN	GMS/VM
DRG. No.	C7Pi–HSD–2.04 R2

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

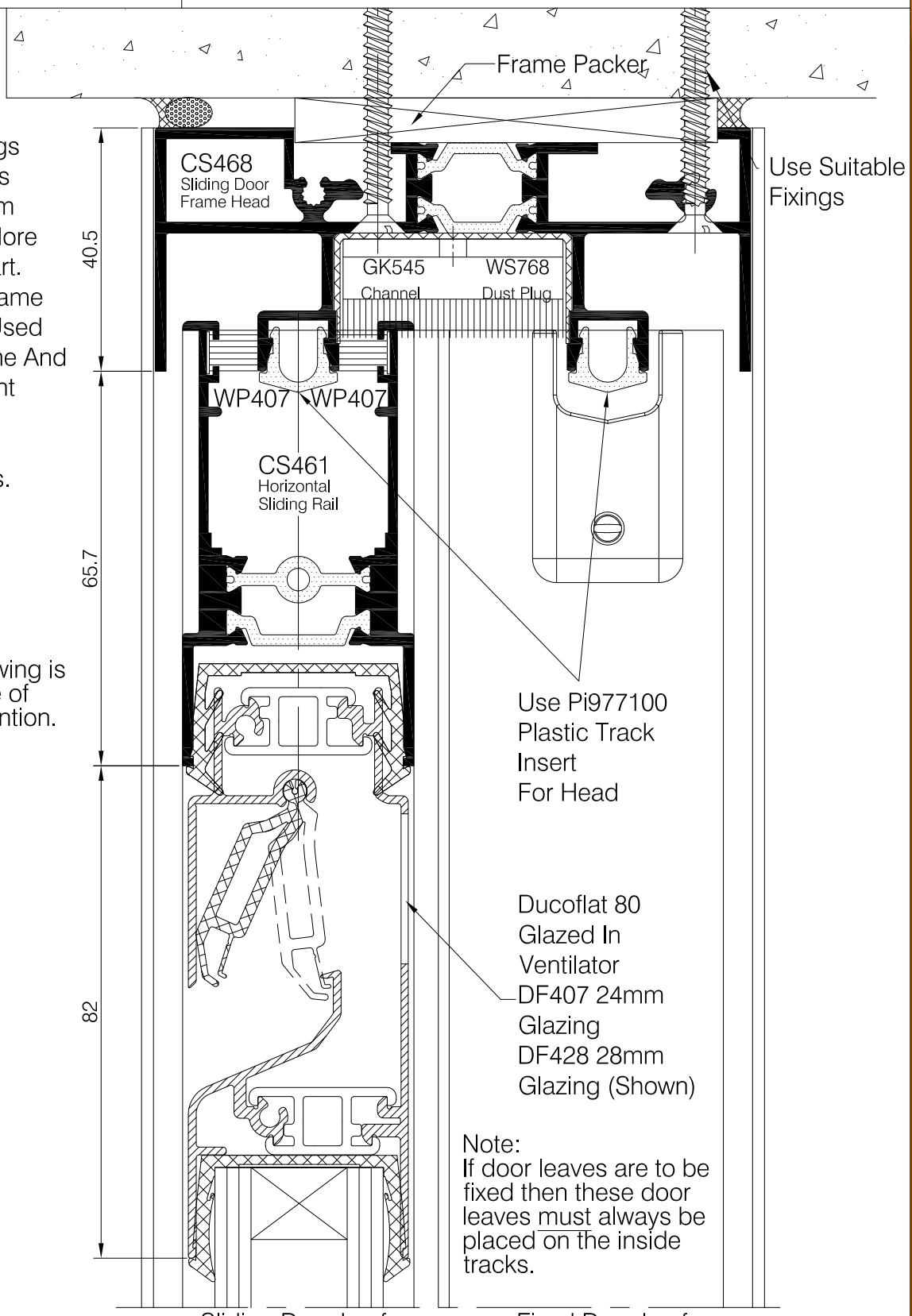
HSD 2.05

SUB TITLE

HORIZONTAL SLIDING DOORS 2 TRACK HEAD DETAIL

Use Suitable Fixings Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart. Spacer SHIMS (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion. Perimeter Seal To Industry Standards.

Note:
The left of the drawing is always the outside of the door by convention.



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SCALE	1:1 @ A4
DATE	20-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.05 R1

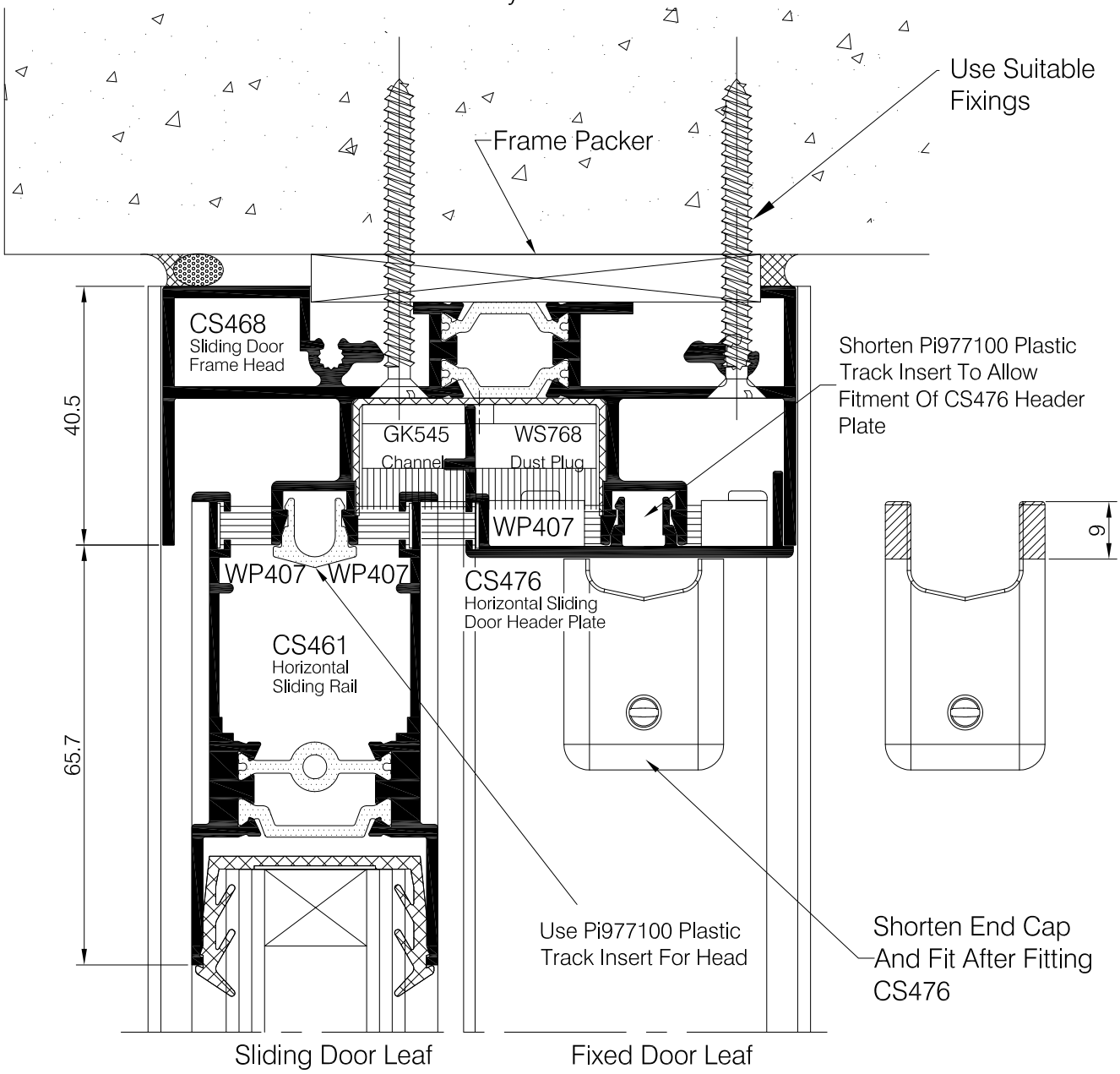
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.06

SUB TITLE
HORIZONTAL SLIDING DOORS
2 TRACK WITH HEADER PLATE

Use Suitable Fixings, Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart.
Spacer Pacer Shims (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion.
Perimeter Seal To Industry Standards.



Note:
The left of the drawing is always the outside of the door by convention.

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.

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SCALE	1:1 @ A4
DATE	20-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.06 R1

comar 7Pi

TITLE

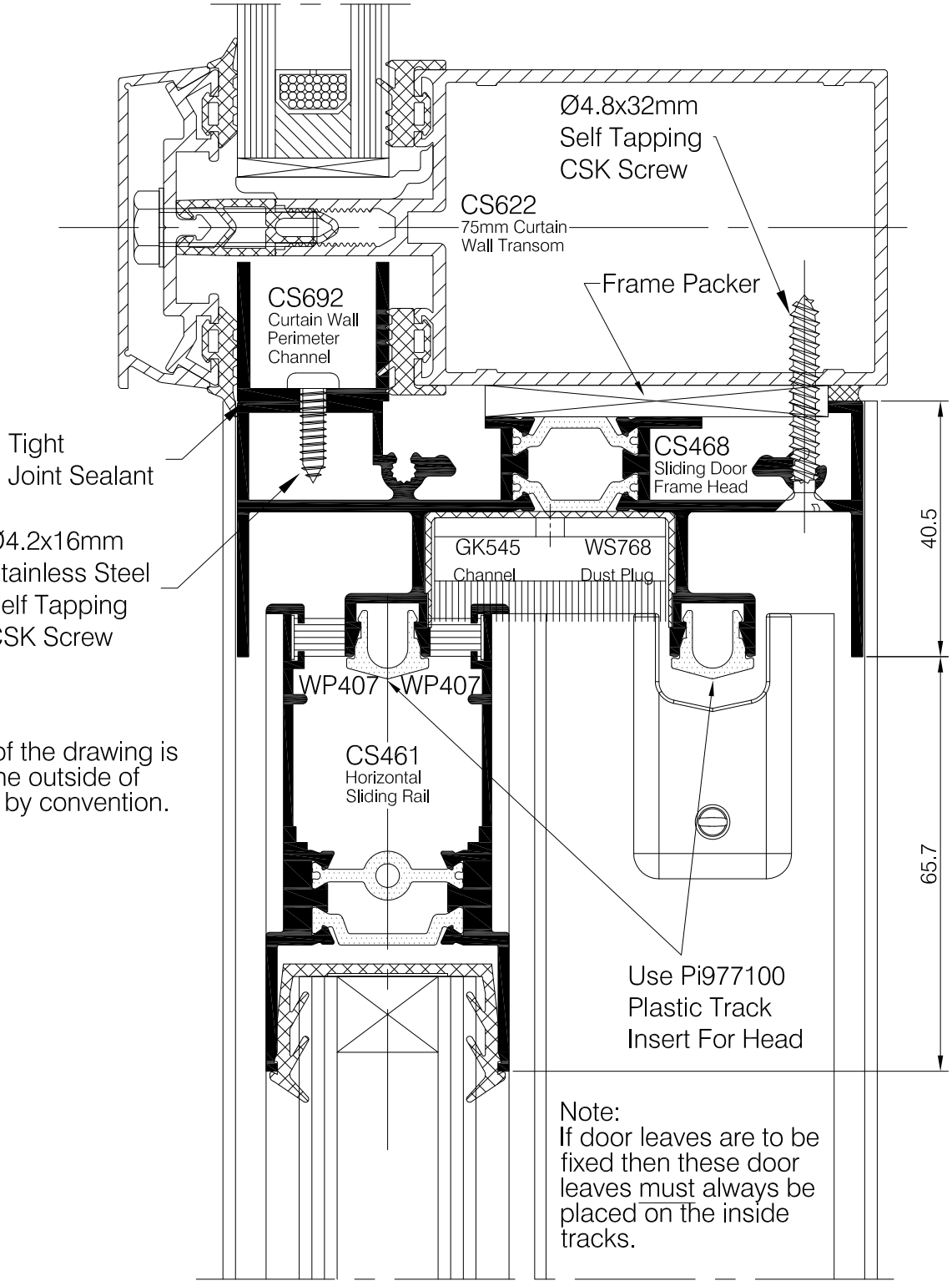
POLYAMIDE INSULATED DOORS THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.07

SUB TITLE

HORIZONTAL SLIDING DOORS 2 TRACK HEAD DETAIL INTO COMAR 6 SB



Note:
The left of the drawing is always the outside of the door by convention.

Sliding Door Leaf Fixed Door Leaf

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SCALE	1:1 @ A4
DATE	20-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.07 R1

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.08

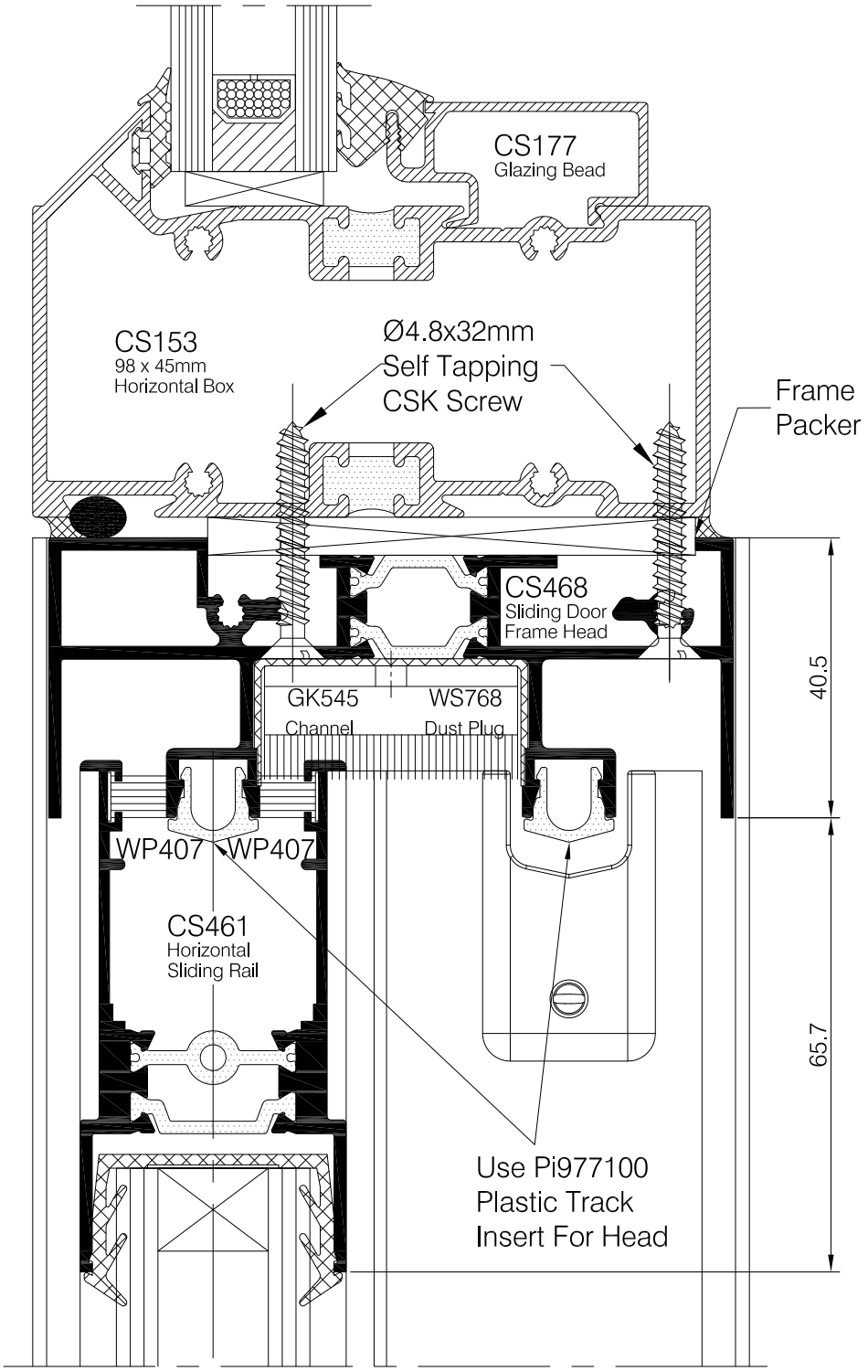
SUB TITLE

HORIZONTAL SLIDING DOORS
2 TRACK HEAD DETAIL INTO COMAR 2

Use Suitable Fixings Positioned No Less Than 100 mm From Corners And No More Than 600mm Apart. Spacer SHIMS (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion. Perimeter Seal To Industry Standards.

Note:
The left of the drawing is always the outside of the door by convention.

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.



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SCALE	1:1 @ A4
DATE	21-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.08 R1

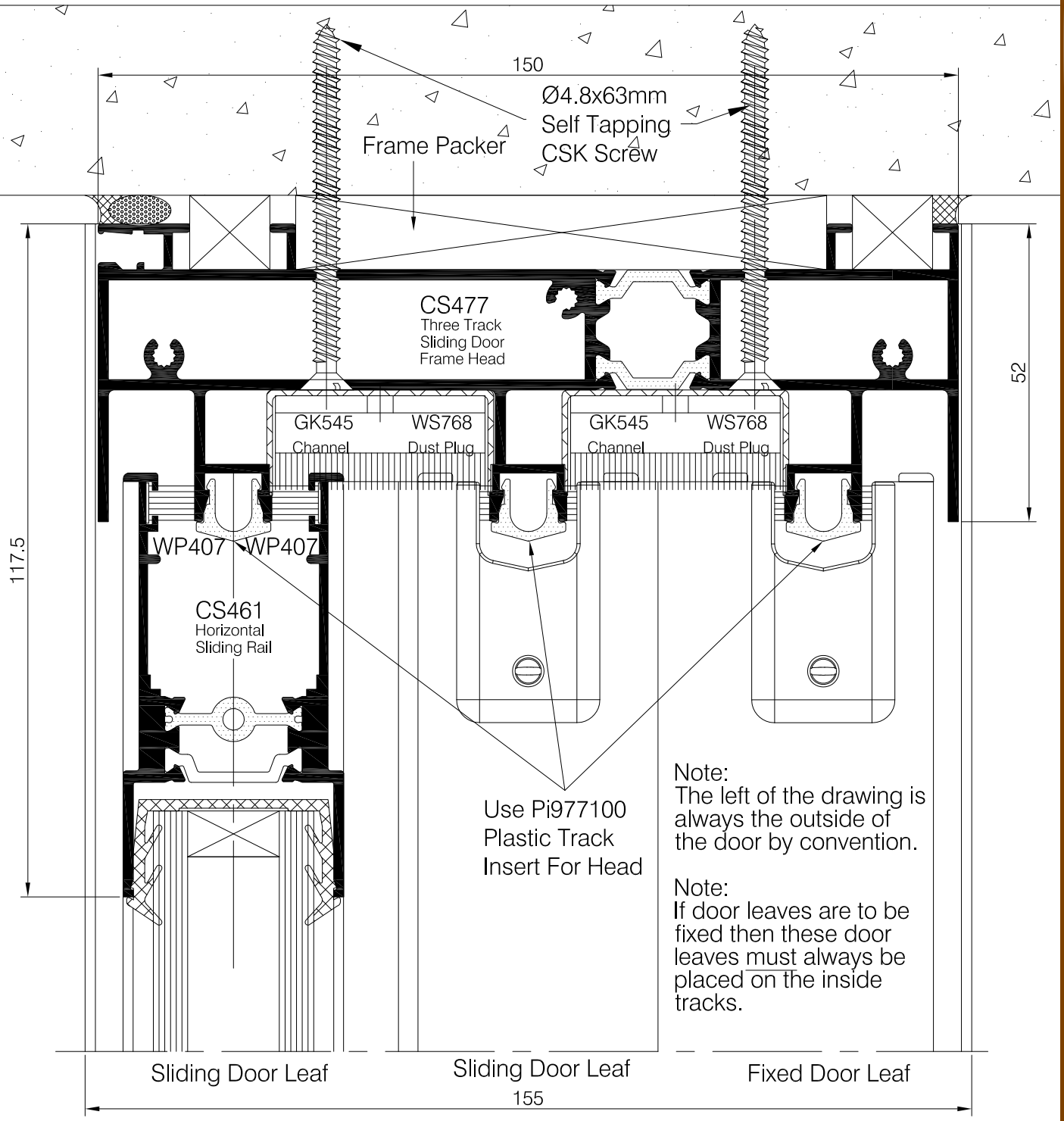
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.09

SUB TITLE
HORIZONTAL SLIDING DOORS
3 TRACK HEAD DETAIL

Use Suitable Fixings Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart. Spacer SHIMS (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion. Perimeter Seal To Industry Standards.



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SCALE	1:1 @ A4
DATE	21–10–2008
DRAWN	GMS/VM
DRG. No.	C7Pi–HSD–2.09 R1

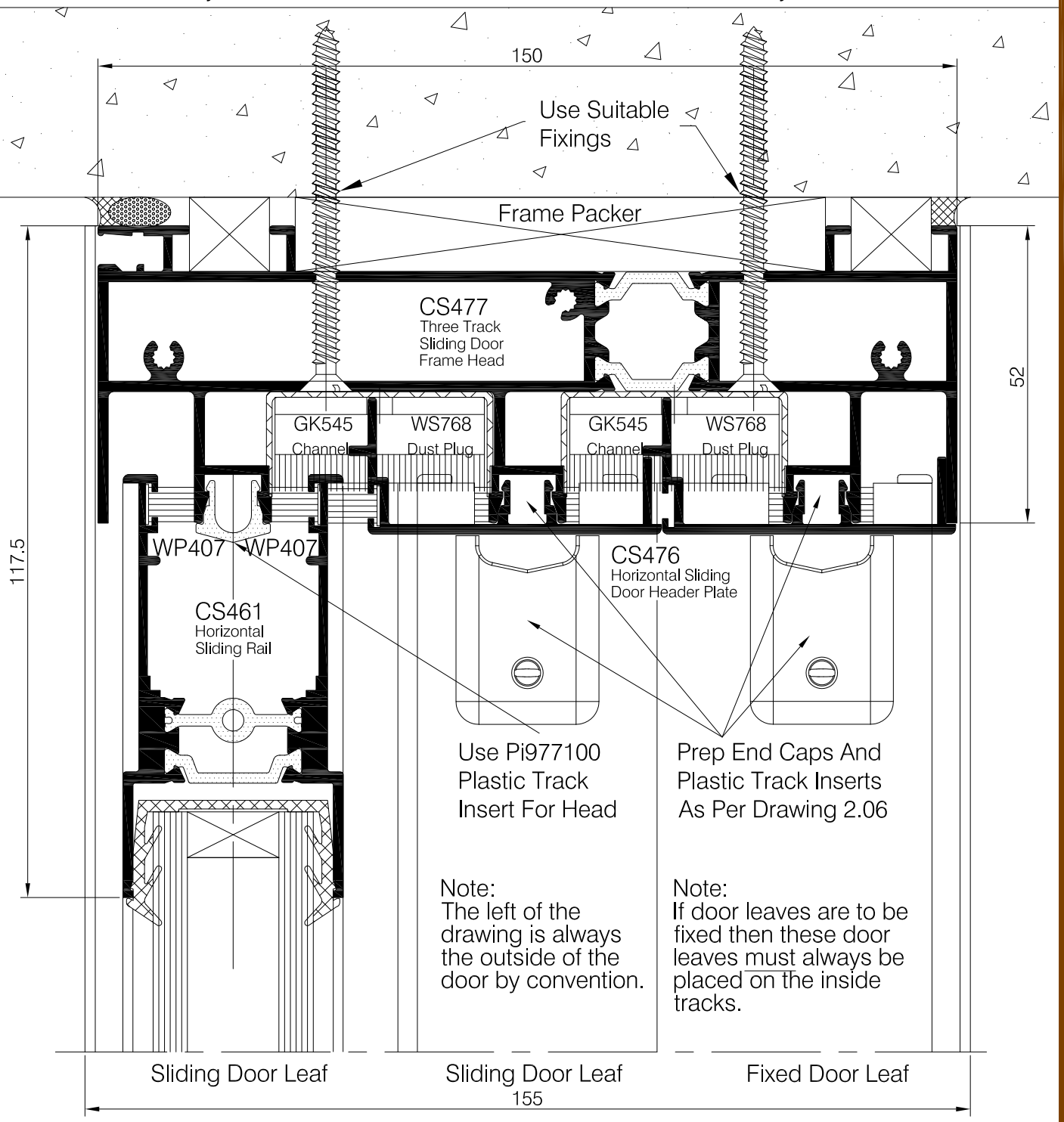
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.10

SUB TITLE
HORIZONTAL SLIDING DOORS
3 TRACK HEAD DETAIL WITH HEADER PLATE

Use Suitable Fixings Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart. Spacer SHIMS (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion. Perimeter Seal To Industry Standards.



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SCALE	1:1 @ A4
DATE	22-10-2008
DRAWN	GMS/VM
DRG. No.	C7Pi-HSD-2.10 R1

comar 7Pi

TITLE

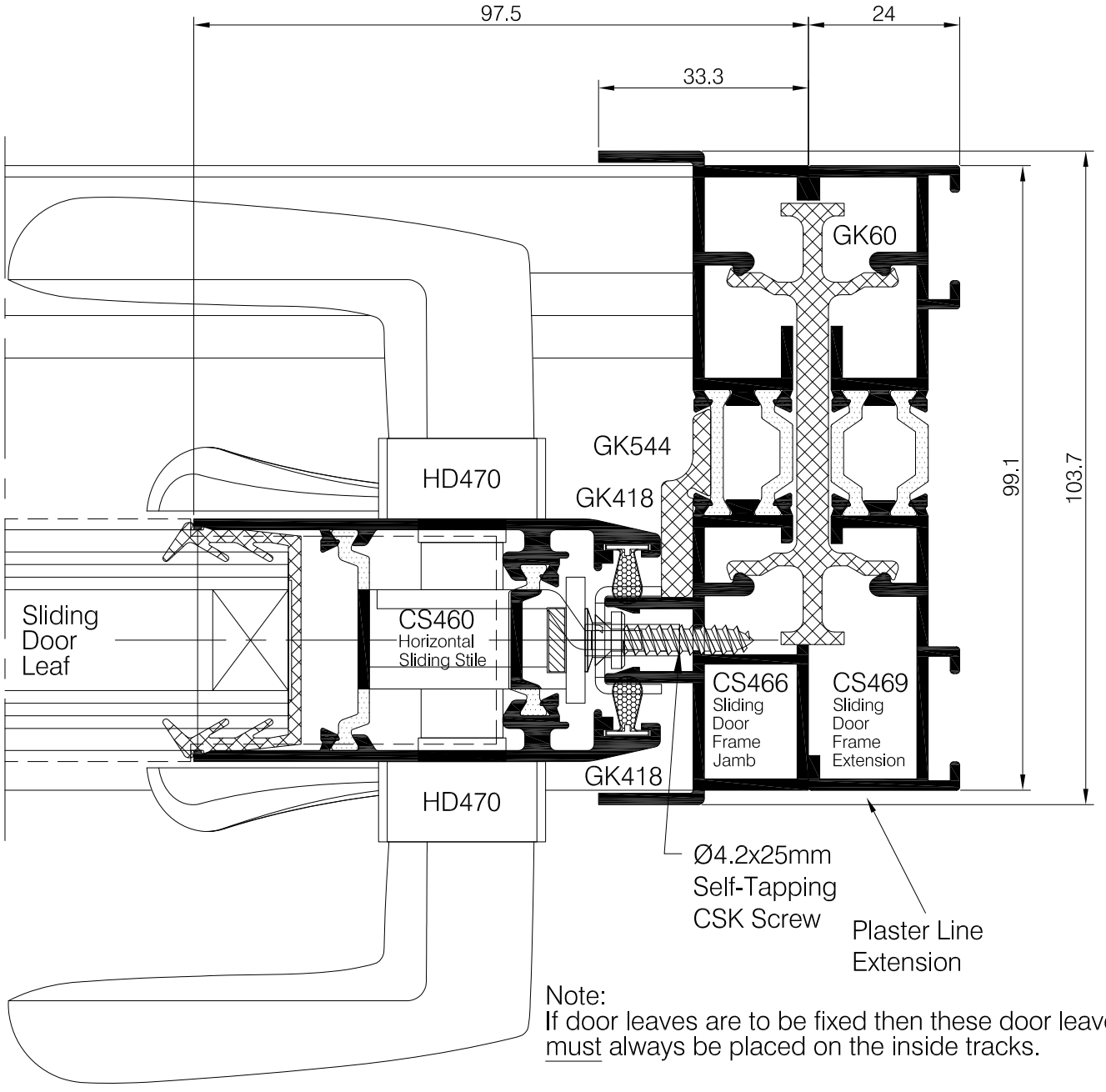
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.11

SUB TITLE

HORIZONTAL SLIDING DOORS
2 TRACK JAMB DETAIL WITH PLASTER LINE EXTENSION



Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.

Standard Lock Options:(CS460 Only)

LK472XSLF - 3 Point Locking
LK474XSLF - 5 Point Locking

Note:
The bottom of the drawing is always the outside of the door by convention.

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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	GMS/DGN (IS)
DRG. No.	C7Pi-HSD-2.11 R3

comar 7Pi

TITLE

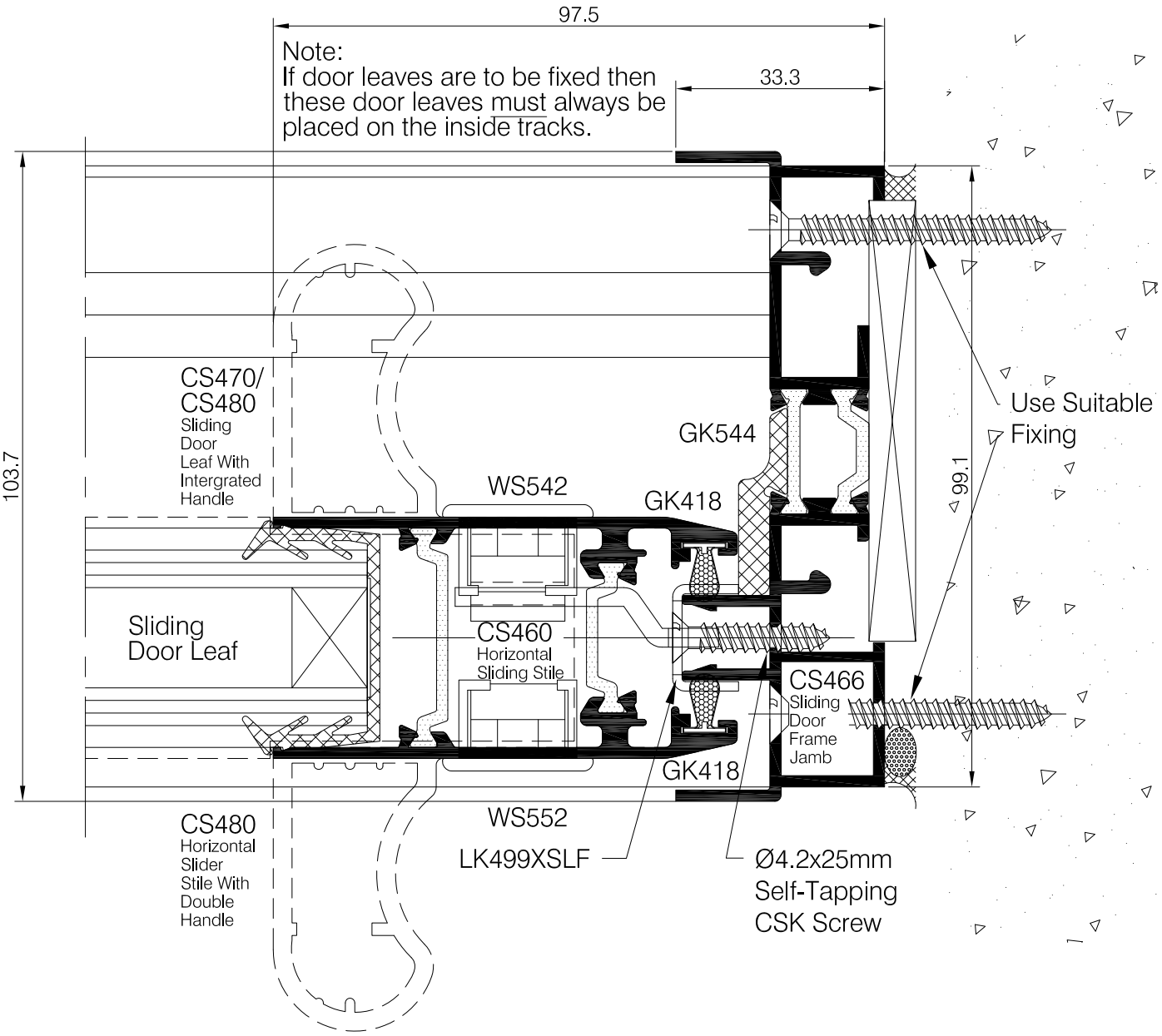
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.12

SUB TITLE

HORIZONTAL SLIDING DOORS
2 TRACK JAMB DETAIL WITH FLUSH HANDLE LOCK



Flush Handle Lock Options:
(Suitable For CS460, CS470 & CS480)

WS542 - Single Lock
LK482 - Triple Lock 1500mm (Upgrade Kit)

Note:
The bottom of the drawing is always the outside of the door by convention.

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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	JAG / DGN (IS)
DRG. No.	C7Pi–HSD–2.12 R4

comar 7Pi

TITLE

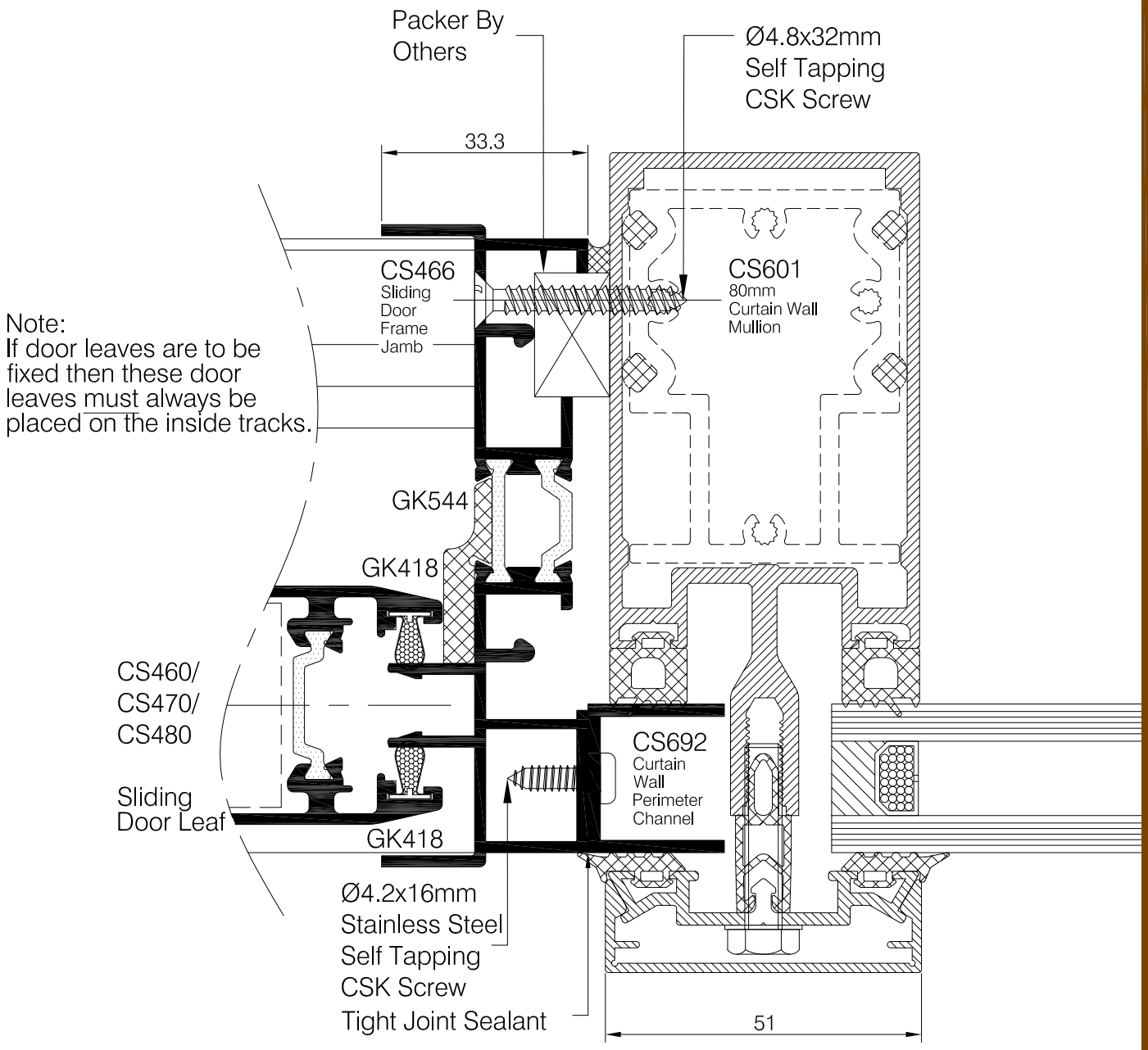
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.13

SUB TITLE

HORIZONTAL SLIDING DOOR
2 TRACK JAMB DETAIL FITTED TO COMAR 6 CURTAIN WALL



Note:
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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	JAG / DGN (IS)
DRG. No.	C7Pi–HSD–2.13 R4

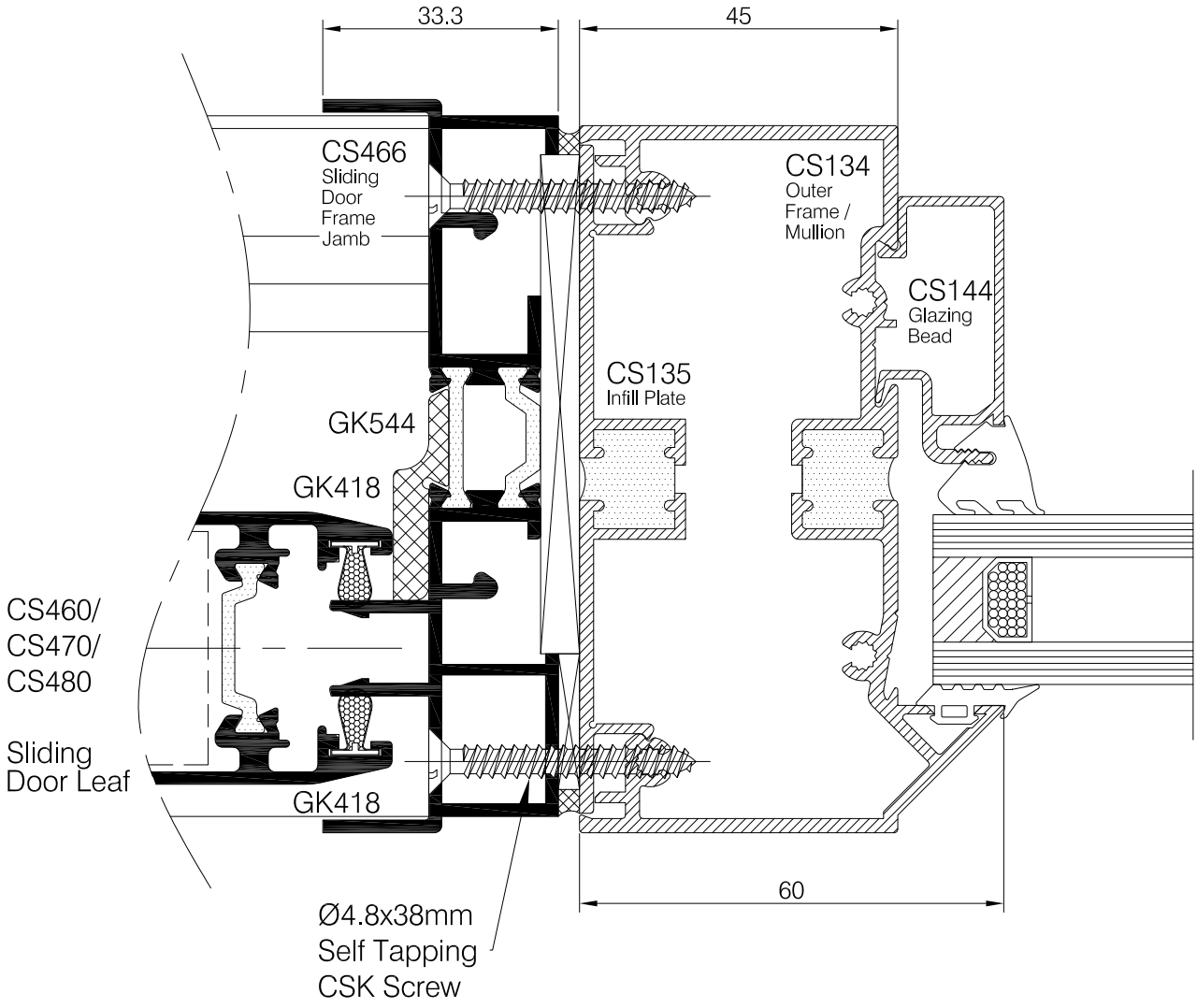
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.14

SUB TITLE
HORIZONTAL SLIDING DOORS
2 TRACK JAMB DETAIL FITTED TO COMAR 2 WINDOW WALLING

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.



Note:
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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	GMS/DGN (IS)
DRG. No.	C7Pi–HSD–2.14 R3

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

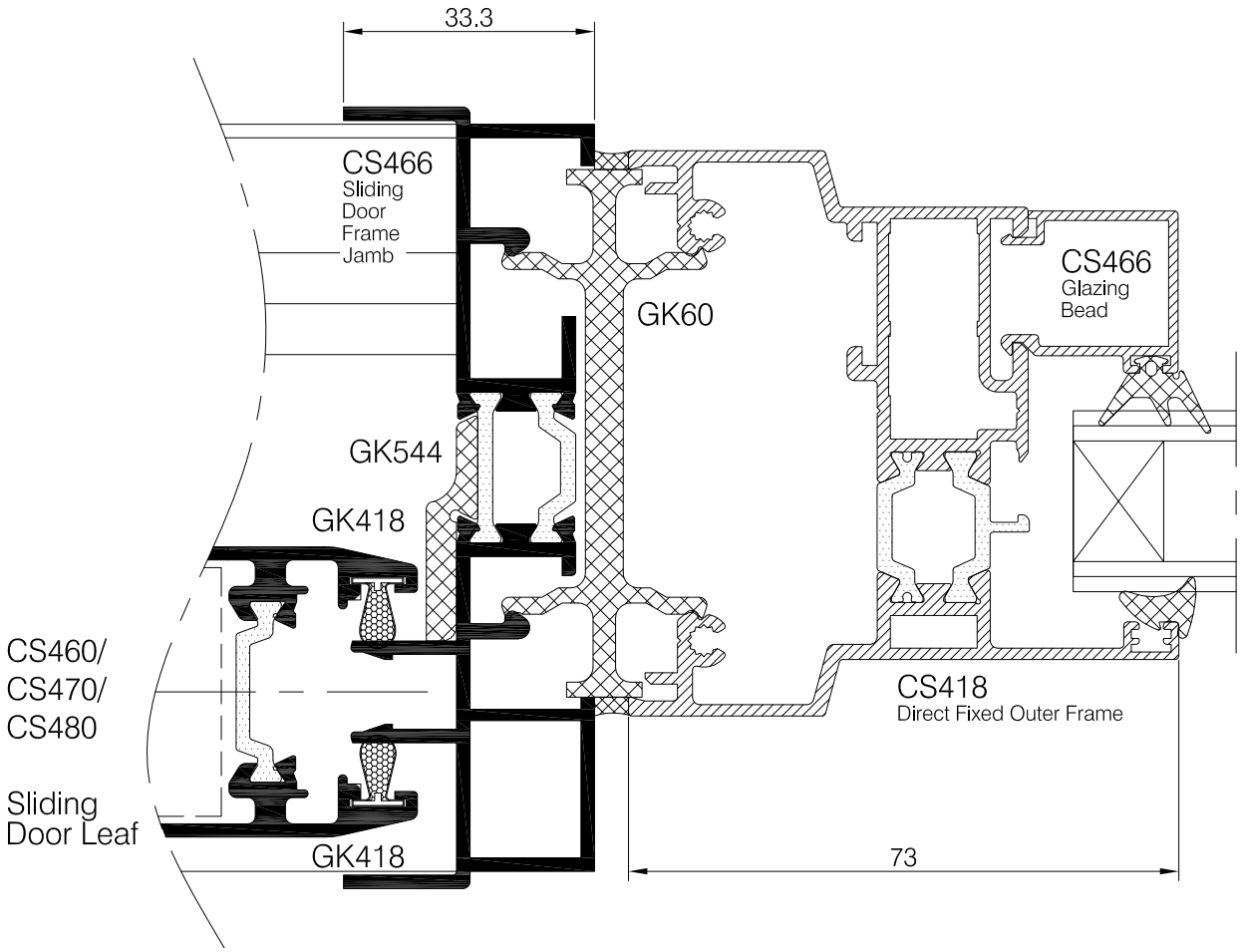
SHEET No.

HSD 2.15

SUB TITLE

HORIZONTAL SLIDING DOORS
2 TRACK JAMB DETAIL WITH DIRECT FIX COMAR 5Pi FRAME

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.



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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	GMS/DGN (IS)
DRG. No.	C7Pi–HSD–2.15 R3

comar 7Pi

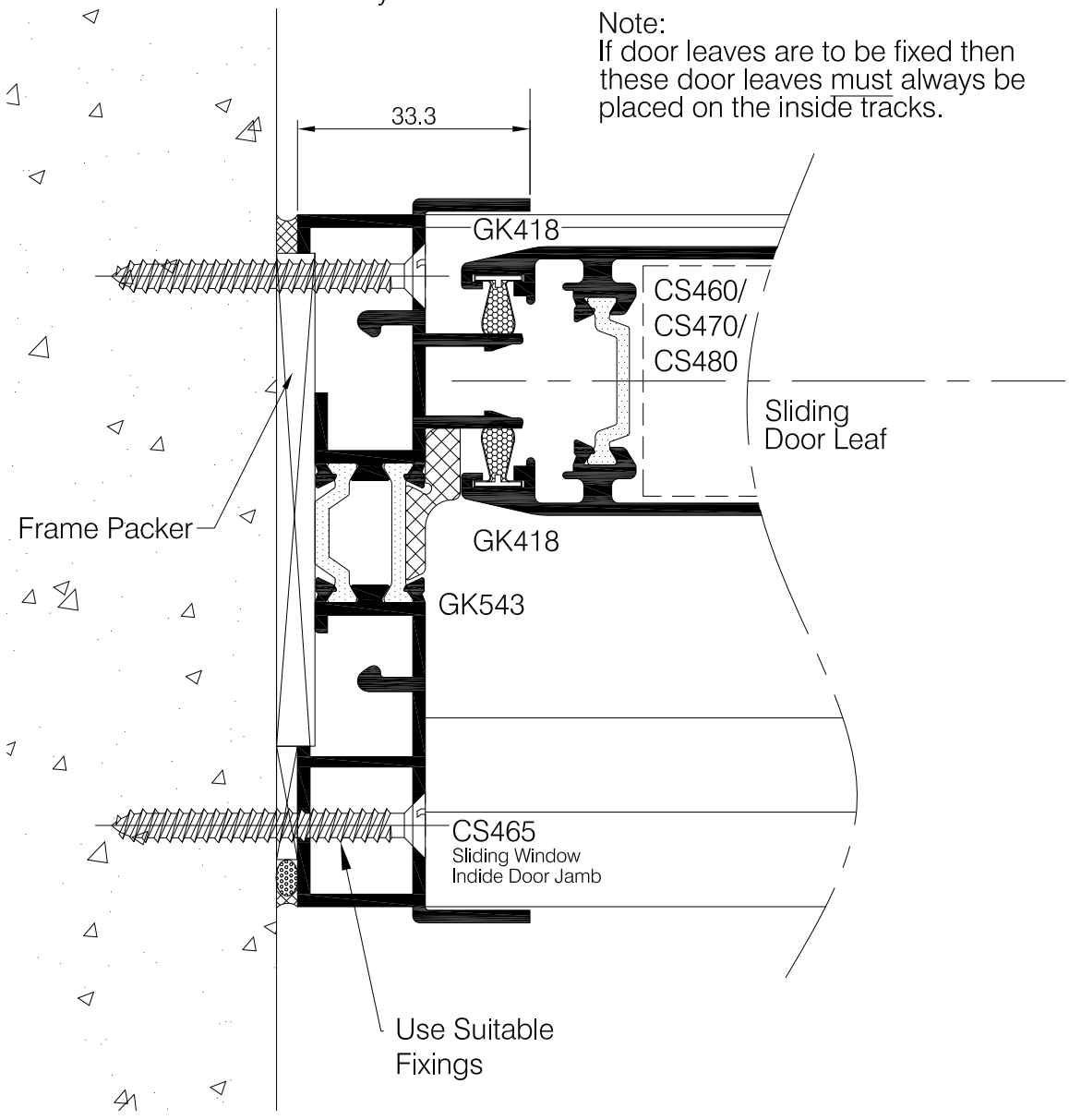
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.16

SUB TITLE
HORIZONTAL SLIDING DOORS
2 TRACK JAMB INSIDE LEAF DETAIL

Use Suitable Fixings, Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart.
Spacer Pacer Shims (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion.
Perimeter Seal To Industry Standards.

Note:
If door leaves are to be fixed then these door leaves must always be placed on the inside tracks.



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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	GMS/DGN (IS)
DRG. No.	C7Pi–HSD–2.16 R3

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

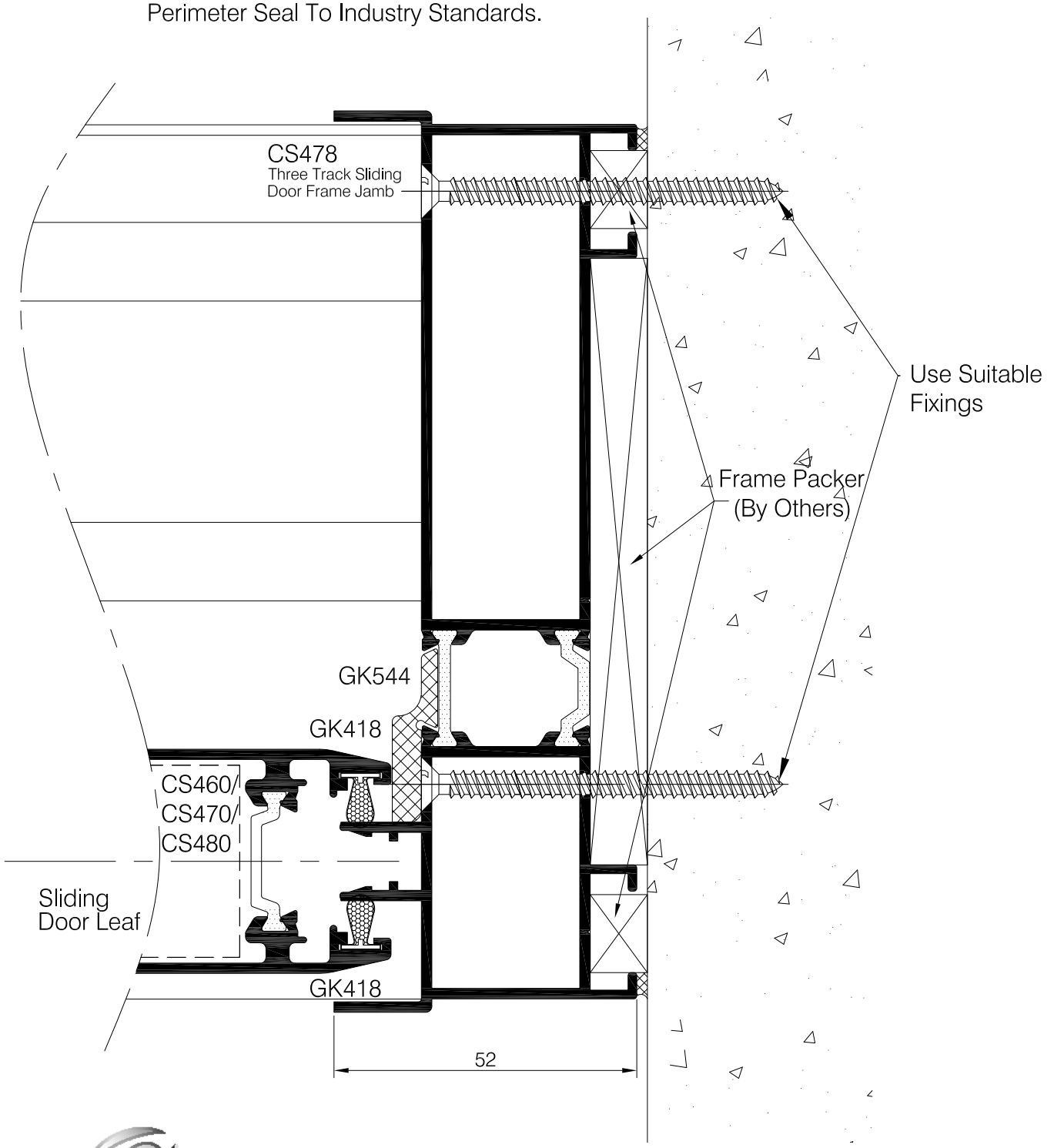
SHEET No.

HSD 2.17

SUB TITLE

HORIZONTAL SLIDING DOOR
3 TRACK JAMB DETAIL - OUTSIDE TRACK JAMB

Use Suitable Fixings, Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart.
Spacer Pacer Shims (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion.
Perimeter Seal To Industry Standards.



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DATE	15/11/2013
DRAWN	GMS / DGN (IS)
DRG. No.	C7Pi–HSD–2.17 R3

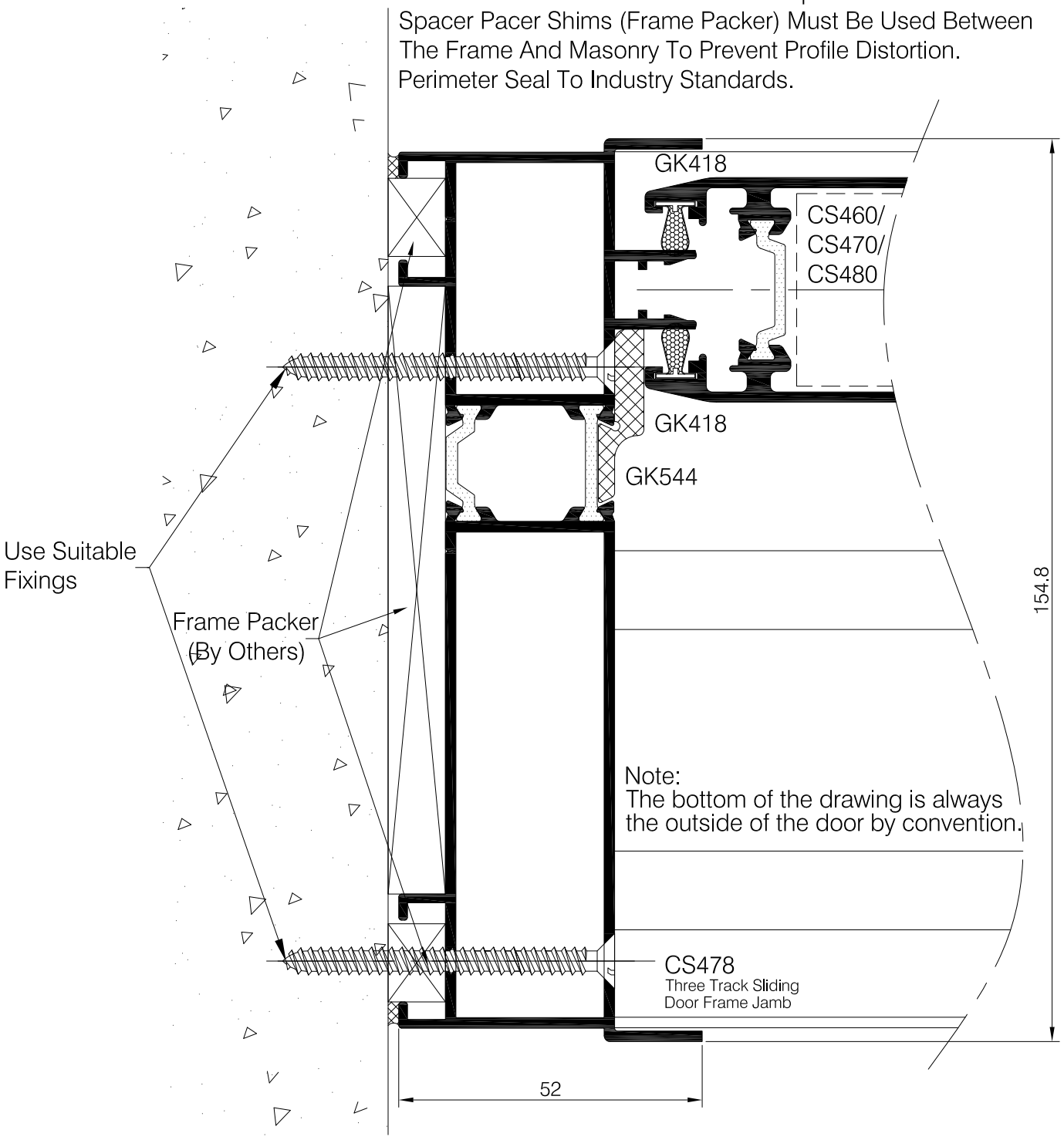
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.18

SUB TITLE
HORIZONTAL SLIDING DOOR
3 TRACK JAMB DETAIL - INSIDE TRACK JAMB

Use Suitable Fixings, Positioned No Less Than 100 mm From Corners And No More Than 600 mm Apart.
Spacer Pacer Shims (Frame Packer) Must Be Used Between The Frame And Masonry To Prevent Profile Distortion.
Perimeter Seal To Industry Standards.



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SCALE	1:1 @ A4
DATE	15/11/2013
DRAWN	GMS / DGN (IS)
DRG. No.	C7Pi–HSD–2.18 R3

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

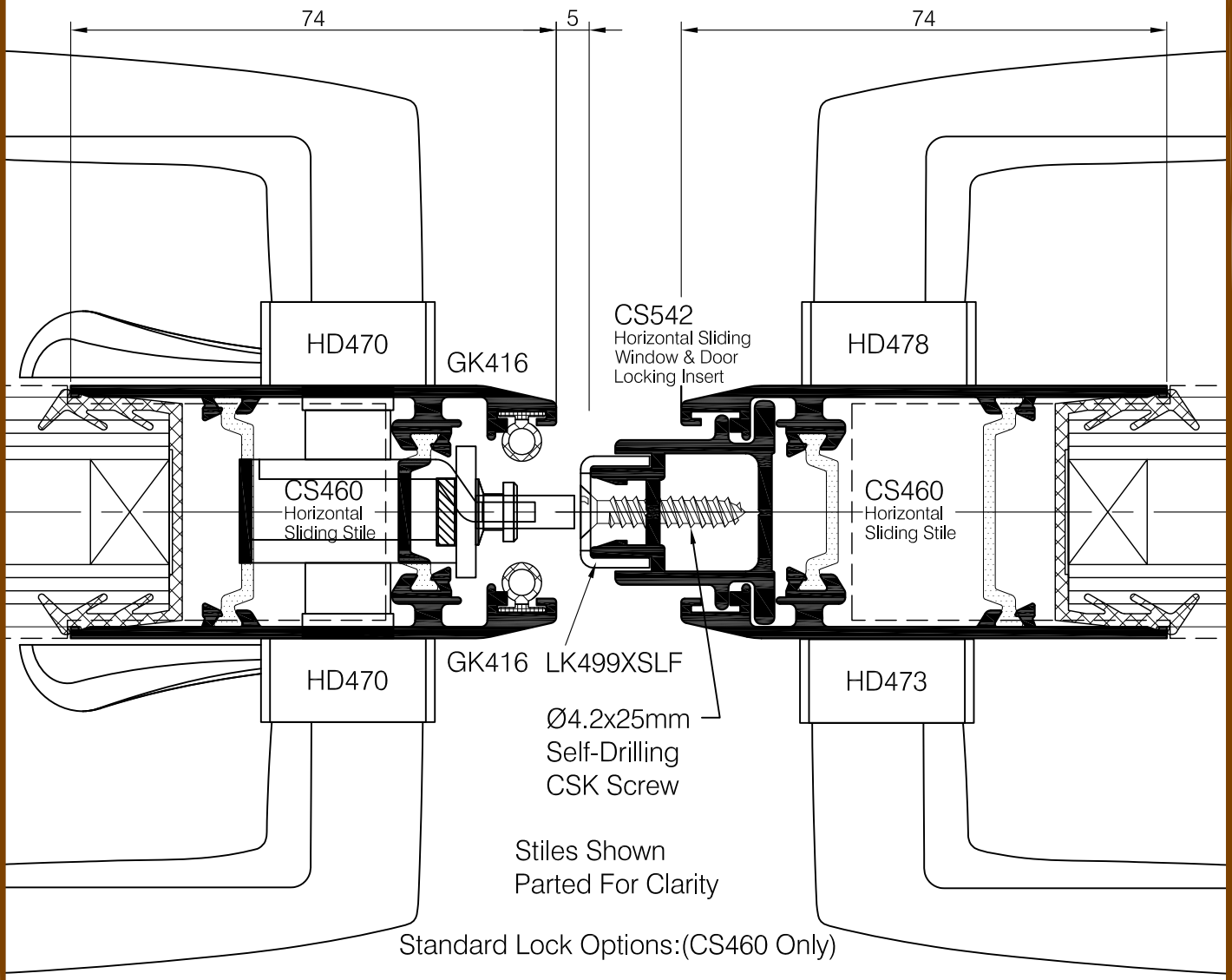
SHEET No.

HSD 2.19

SUB TITLE

HORIZONTAL SLIDING DOOR
MEETING STILE - STANDARD STILES + STANDARD LOCKING OPTION

Left Hand Locking (viewed from outside)



Stiles Shown
Parted For Clarity

Standard Lock Options:(CS460 Only)

LK472XSLF - 3 Point Locking
LK474XSLF - 5 Point Locking

Note:
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the outside of the door by convention.

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SCALE	1:1 @ A4
DATE	12/07/2017
DRAWN	GMS / KD
DRG. No.	C7Pi–HSD–2.19 R2

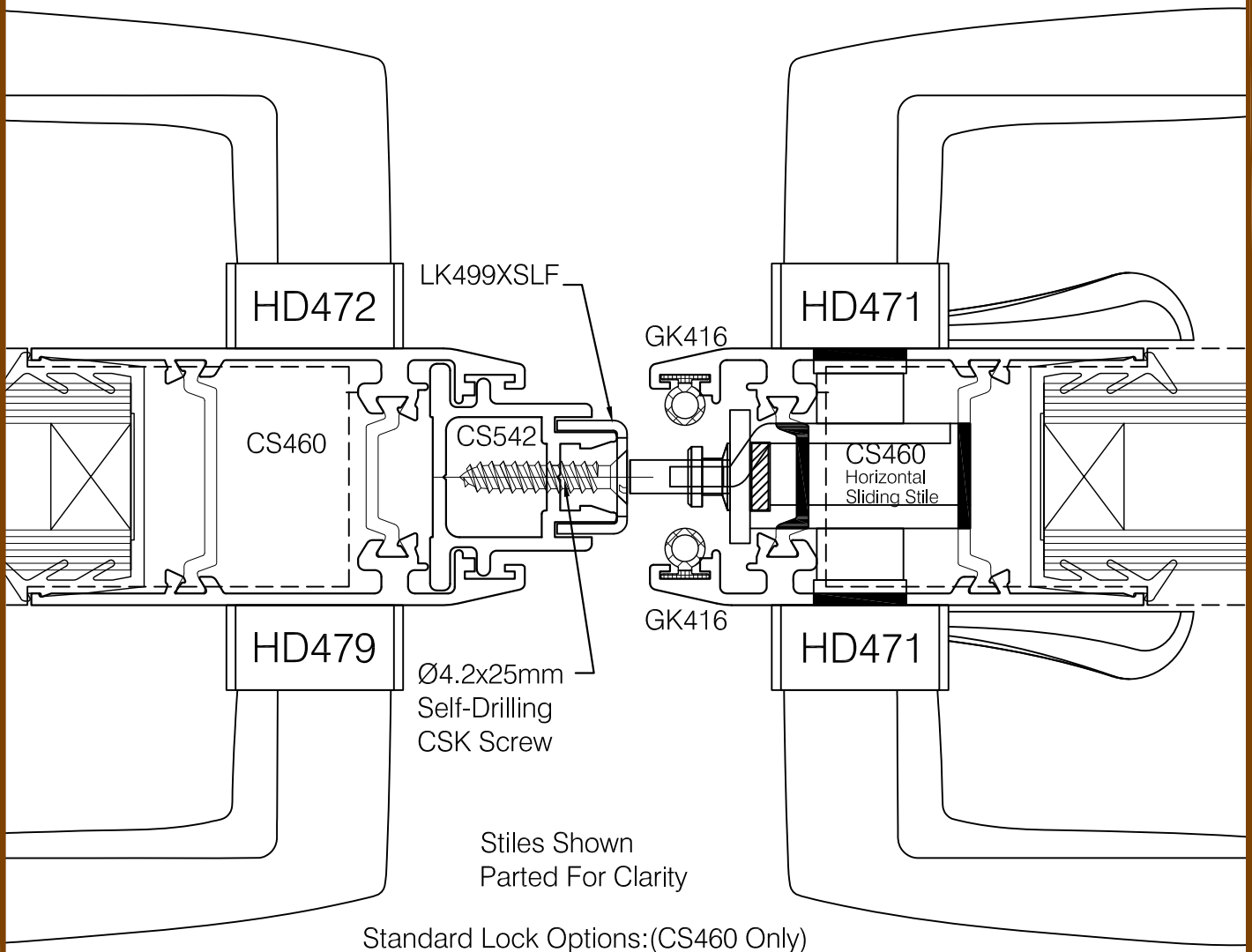
comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.19.1

SUB TITLE
HORIZONTAL SLIDING DOOR
MEETING STILE - STANDARD STILES + STANDARD LOCKING OPTION

Right Hand Locking (viewed from outside)



Stiles Shown
Parted For Clarity

Standard Lock Options:(CS460 Only)

LK472XSLF - 3 Point Locking
LK474XSLF - 5 Point Locking

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SCALE	1:1 @ A4
DATE	12/07/2017
DRAWN	GMS / KD
DRG. No.	C7Pi–HSD–2.19.1

comar 7Pi

TITLE

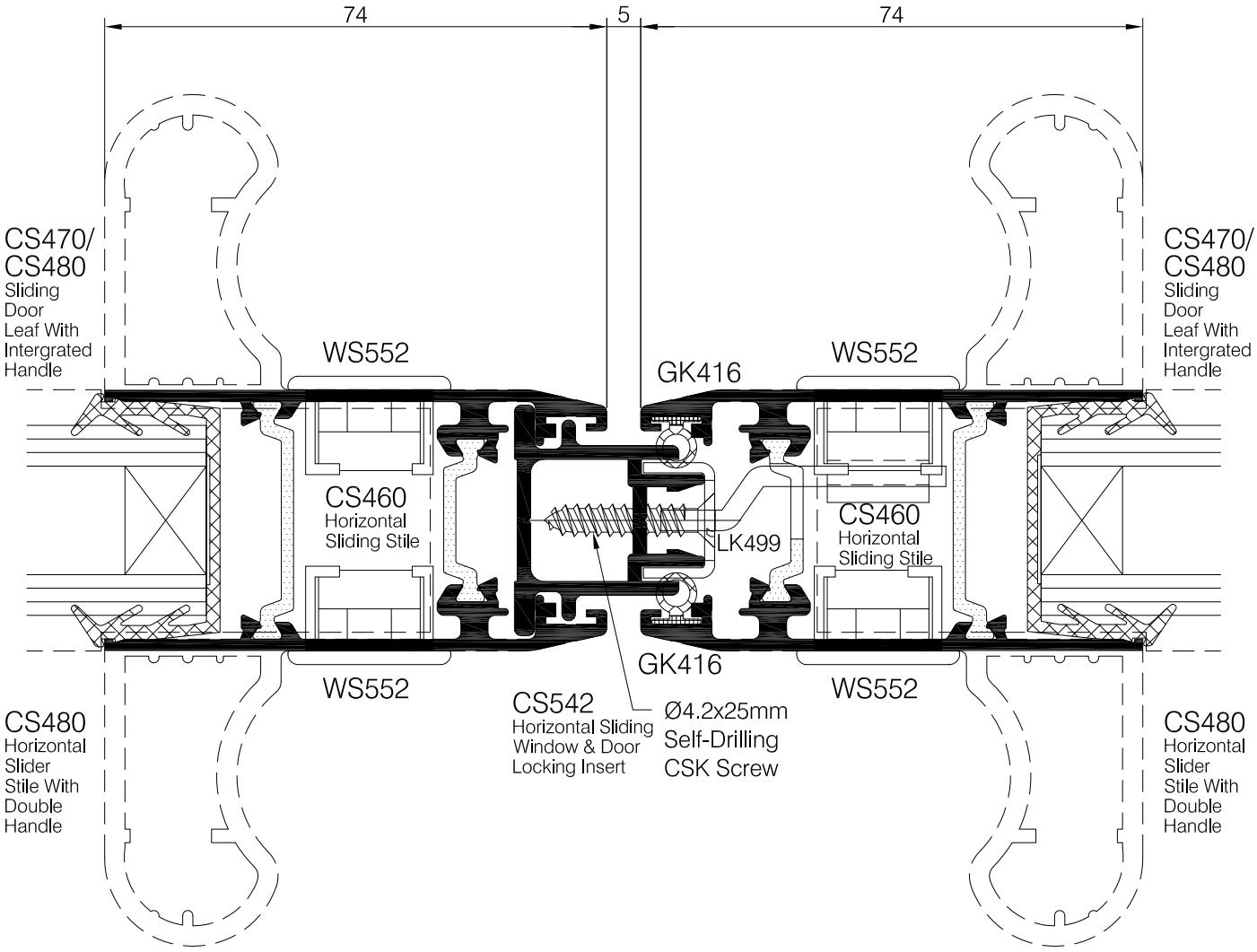
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.20

SUB TITLE

HORIZONTAL SLIDING DOOR
MEETING STILE -HANDLE STILES+FLUSH HANDLE LOCKING OPTIONS



Flush Handle Lock Options:(Suitable For CS460, CS470 & CS480)

WS542 - Single Lock
LK482 - Triple Lock 1500mm (Upgrade Kit)

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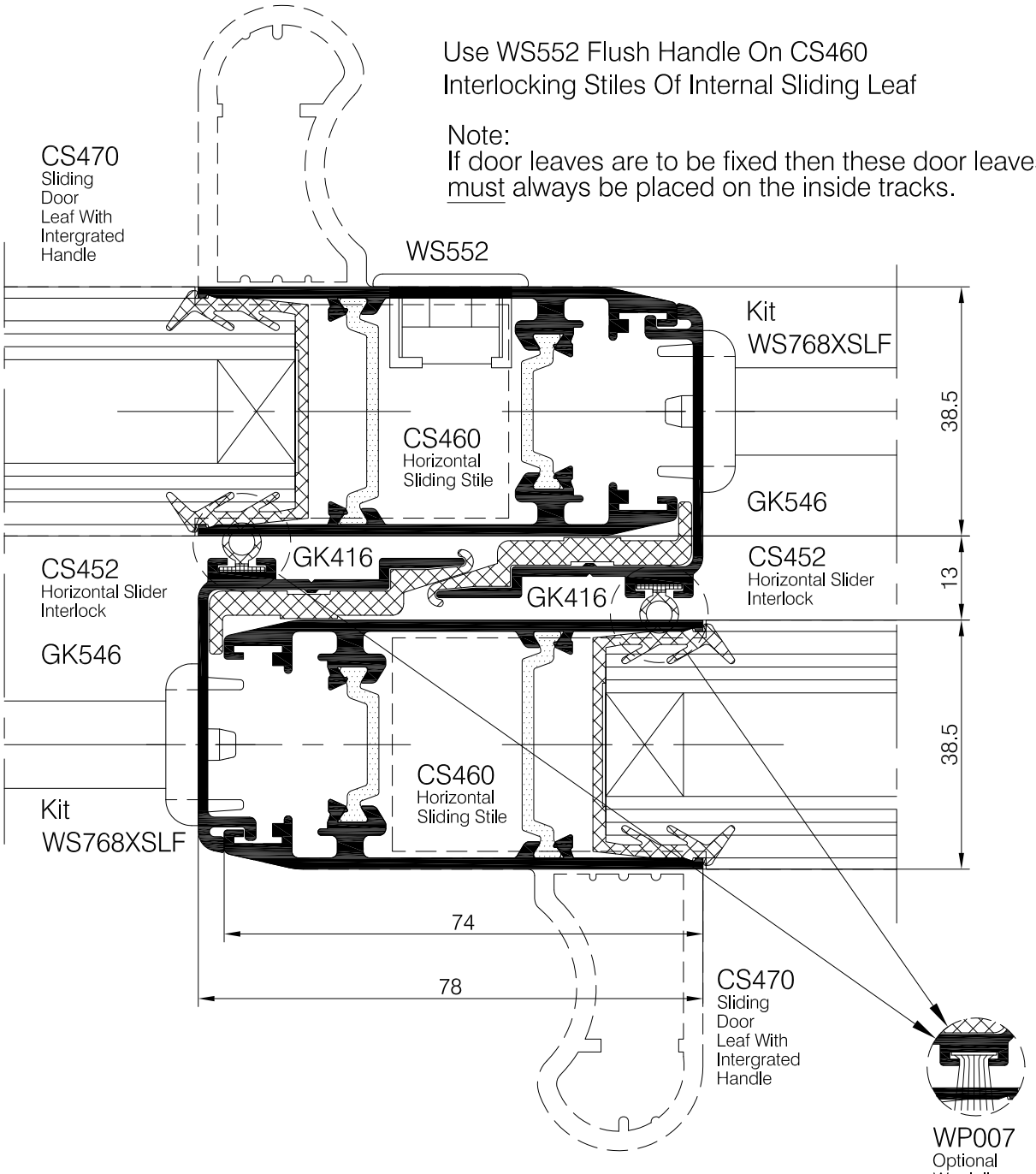
SCALE	1:1 @ A4
DATE	18-09-2008
DRAWN	GMS / DGN
DRG. No.	C7Pi-HSD-2.20 R1

comar 7Pi

TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 2.21

SUB TITLE
HORIZONTAL SLIDING DOOR
MEETING STILE DETAIL - STILE INTERLOCK



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SCALE	1:1 @ A4
DATE	18–09–2008
DRAWN	GMS / DGN
DRG. No.	C7Pi–HSD–2.21 R1

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TITLE

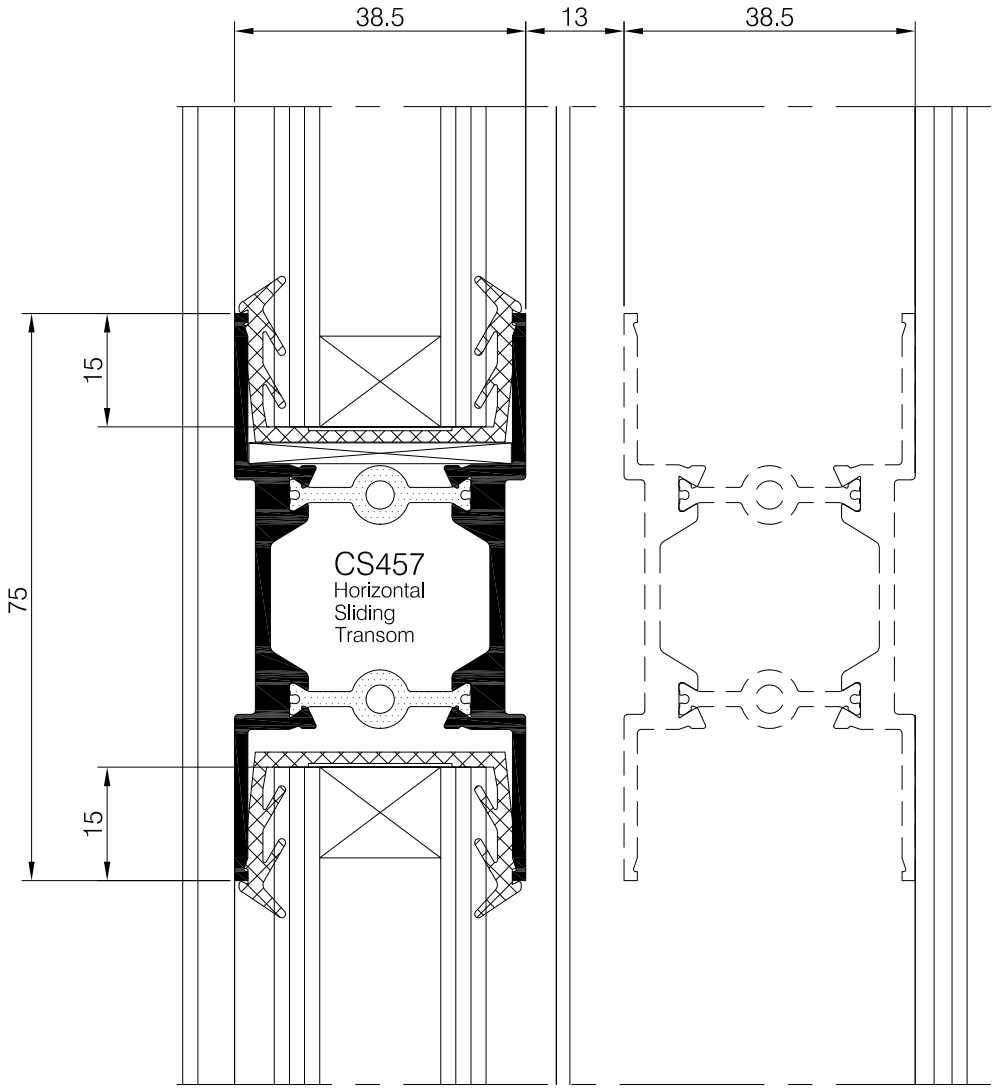
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 2.22

SUB TITLE

HORIZONTAL SLIDING DOOR
MID-RAIL DETAIL



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SCALE	1:1 @ A4
DATE	18–09–2008
DRAWN	GMS / DGN
DRG. No.	C7Pi–HSD 2.22 R1

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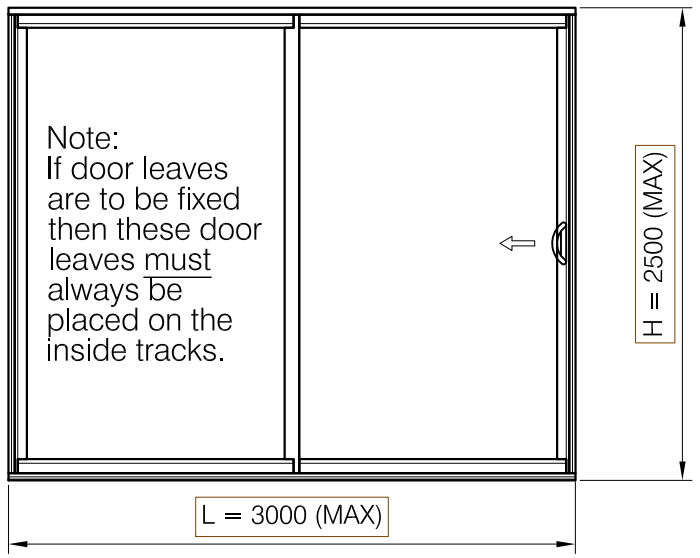
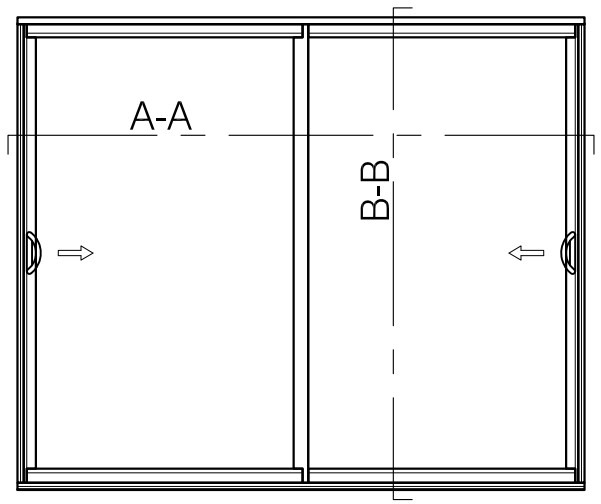
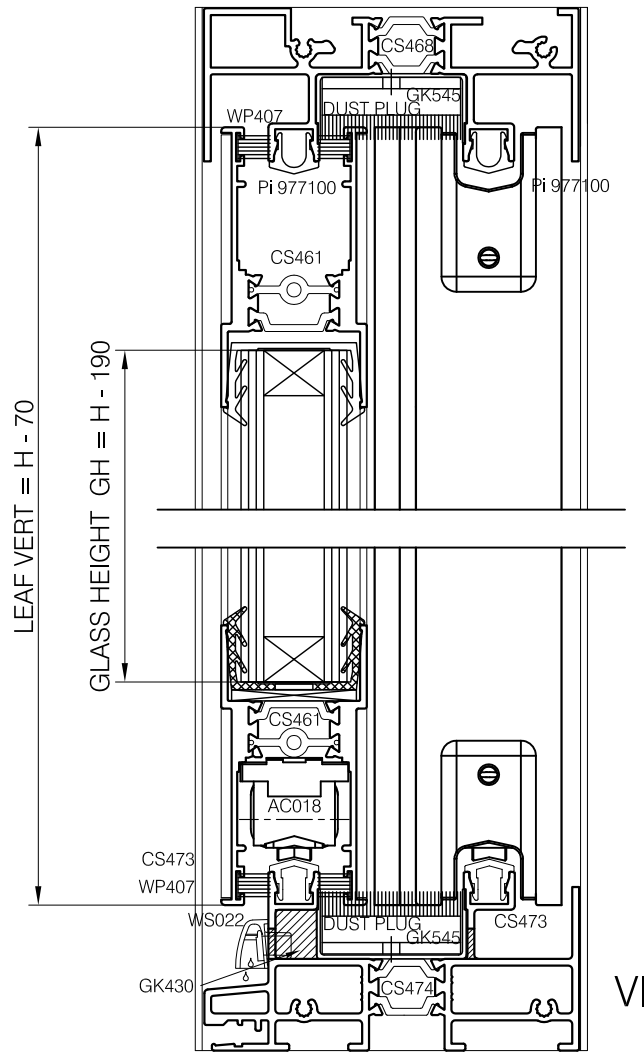
POLYAMIDE INSULATED DOOR
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 3.01

HORIZONTAL SLIDING DOORS
EXAMPLE TWO TRACK TWO LEAF CUTTING LIST







VIEW ON B-B

CUTTING LIST

FRAME VERT	CS465 — 1 @	H	
FRAME VERT	CS466 — 1 @	H	
FRAME HOR	CS474 — 1 @	L - 36.6	
FRAME HOR	CS468 — 1 @	L - 36.6	
LEAF VERT	CS460 — 4 @	H - 70	
LEAF HOR	CS461 — 4 @	L/2 - 40.5	
INTERLOCK VERT	CS452 — 2 @	H - 70	
INTERLOCK	GK546 — 2 @	H - 70	
CHANNEL INSERT	GK545 — 2 @	L - 36.6	
BUFFER STRIP	GK544 — 1 @	H - 42	
BUFFER STRIP	GK543 — 1 @	H - 42	
WHEEL TRACK HOR	CS473 — 2 @	L - 50.6	
WHEEL HEAD HOR	Pi 977100 — 2 @	L - 50.6	
GLAZING GASKET	GK428 — 2 @	Glass Perimeter + 3%	
BUBBLE SEAL INTERLOCK	GK416 — 2 @	H - 70	
WEATHER SEAL JAMB	GK418 — 4 @	H - 70	
CHANNEL PLUG	GK430 — 1 @	50mm	
WOOL PILE	WP407 — 8 @	L/2 - 40.5	
HEAD PLATE	CS476 — 1 @	L/2 - 57.7	
THRESHOLD	CS445 — 1 @	L/2 - 57.7	

GLASS

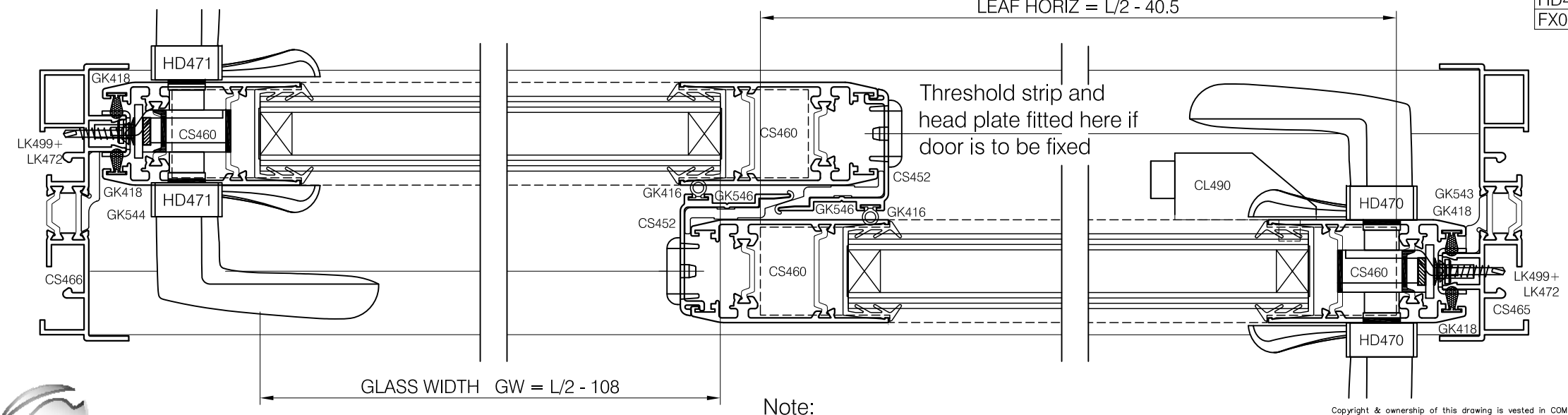
GLASS 28MM — 2 @	GW = L/2 - 106.5	GH = H - 188

ACCESSORIES

PLASTIC END CAP PAIR	EC460 — 8	
PLASTIC END CAP	EC461 — 8	
DRAINAGE CAP	WS022 — 4	
WHEELS (Set of 4)	@ — 1 (AC018XSLF)	
ANTI LIFT KIT WS768XSLF	@ — 1 (Including Anti Lift Caps)	

2 SLIDING LEAVES

LK472XSLF@—2 + LK499XSLF KEEPS @ — 6
CL490 RESTRICTOR @— 2
HD470XSLF D-HANDLE @ — 1 (PAIR)
HD471XSLF D-HANDLE @ — 1 (PAIR)
FX032XSLF SCREWS @ — 8



VIEW ON A-A

Other Lock Options

WS541 FLUSH PULL HANDLE
AUTO LOCKING
White or Silver Finish

WS542 FLUSH PULL HANDLE
AUTO or MANUAL LOCKING
White or Silver Finish

Profiles finishes are available in
AMIL Aluminium Mill Finish.
EWHT RAL 9910 PPC
Hardware finishes are available in
BSVR Natural Silver Anodised.
EWHT RAL 9910 PPC White

Note:
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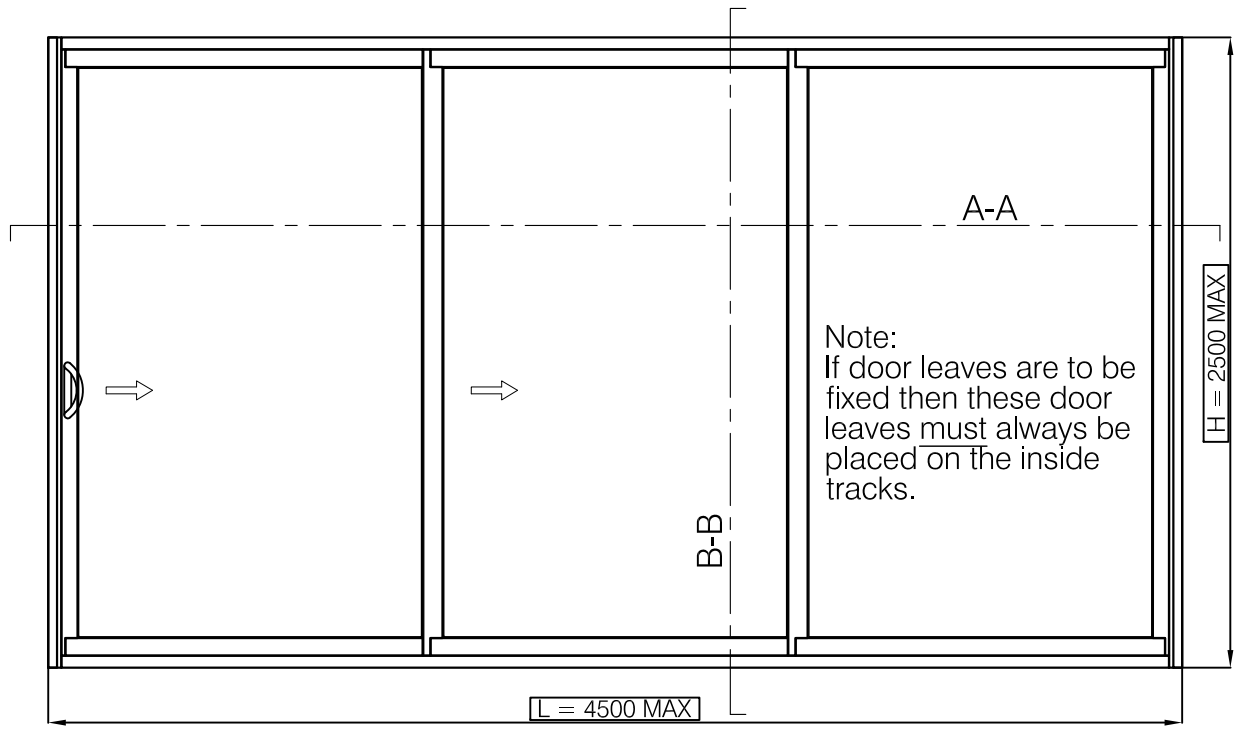
SCALE	NTS @A4
DATE	12/07/2017
DRAWN	DGN / EAE
DRG. No.	C7Pi–HSD–3.01 R4

comar 7P.i



Note:
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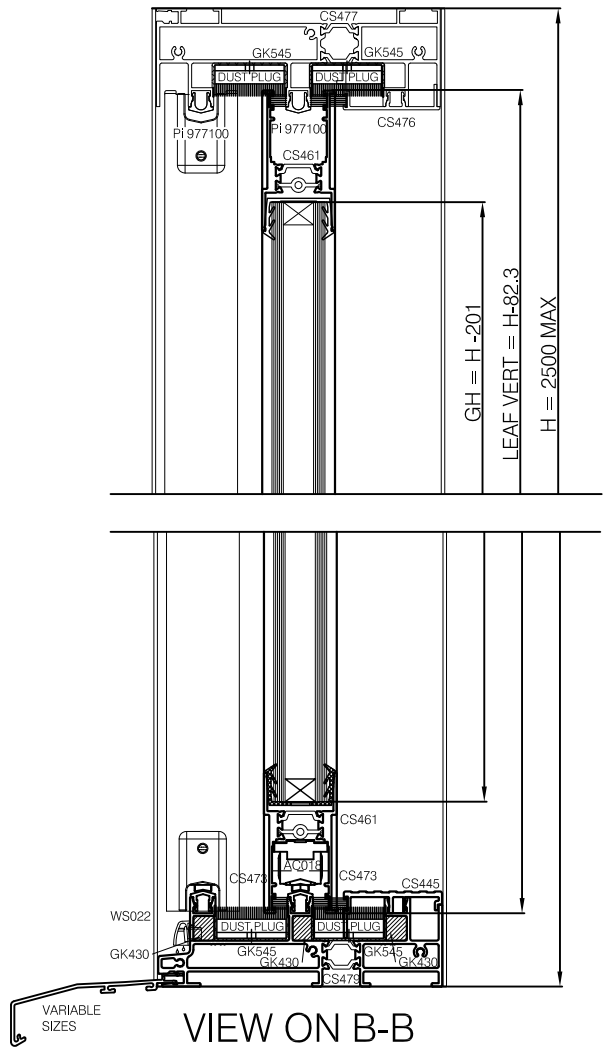


VIEW ON B-B

POLYAMIDE INSULATED DOORS
COMAR 7 P.i THERMALLY EFFICIENT DOOR SYSTEM

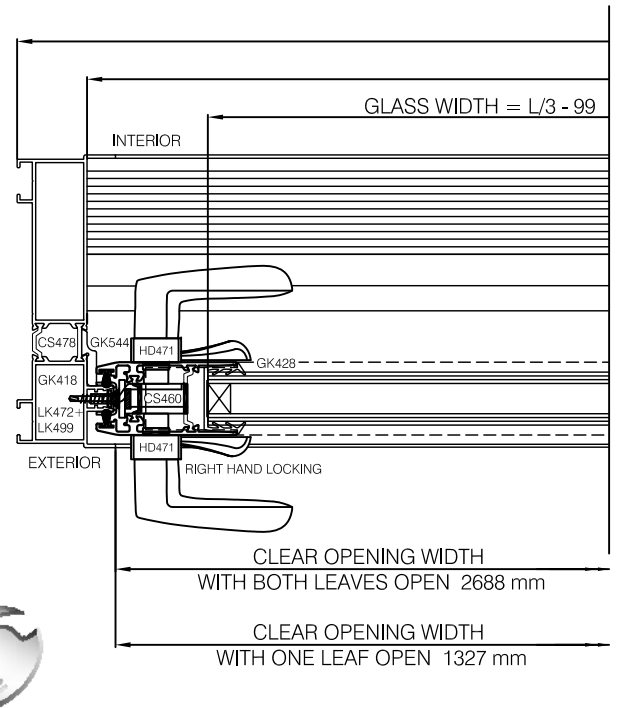
SHEET No.
HSD 3.02

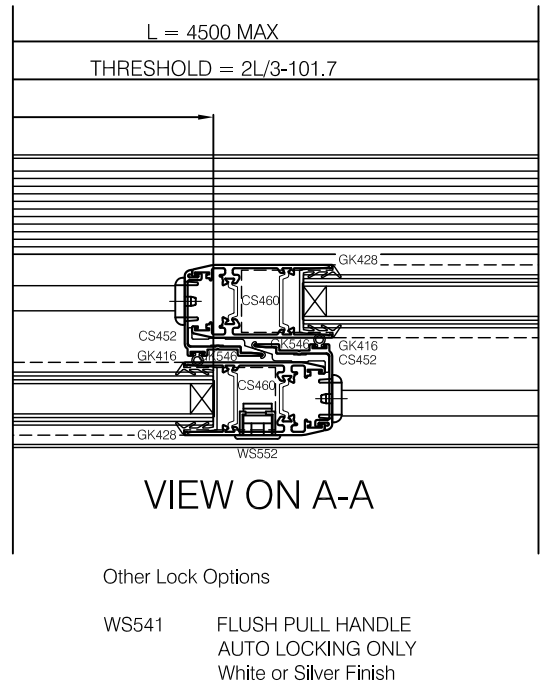
HORIZONTAL SLIDING DOORS
EXAMPLE THREE TRACK THREE LEAF CUTTING LIST

CUTTING LIST				
FRAME VERT	CS478	— 2 @	H	
FRAME HOR	CS479	— 1 @	L - 74	
FRAME HOR	CS477	— 1 @	L - 74	
LEAF VERT	CS460	— 6 @	H - 82.3	
LEAF HOR	CS461	— 6 @	(L - 100)/3	
INTERLOCK VERT	CS452	— 4 @	H - 82.3	
HEAD PLATE	CS476	— 1 @	2L/3 - 101.7	
THRESHOLD	CS445	— 1 @	2L/3 - 101.7	
INTERLOCK	GK546	— 4 @	H - 82.3	
CHANNEL INSERT	GK545	— 4 @	L - 74	
BUFFER GASKET	GK544	— 2 @	H - 53	
WHEEL TRACK HOR	CS473	— 1 @	L - 88	
WHEEL TRACK HOR CENTRE	CS473	— 1 @	L - 74	
WHEEL TRACK HOR	CS473	— 1 @	2L/3 - 101.7	
HEAD TRACK HOR	Pi 977100	— 2 @	L - 88	
HEAD TRACK HOR CENTRE	Pi 977100	— 1 @	L - 74	
HEAD TRACK HOR	Pi 977100	— 1 @	2L/3 - 101.7	
GLAZING GASKET	GK428	— 3 @	Glass Perimeter + 3%	
BUBBLE SEAL INTERLOCK	GK416	— 4 @	H - 82.3	
WEATHER SEAL JAMB	GK418	— 4 @	H - 82.3	
WOOL PILE	WP407	— 12 @	(L - 100)/3	
WOOL PILE	WP407	— 2 @	2L/3 - 101.7	
CHANNEL PLUG	GK430	— 6 @	50mm	

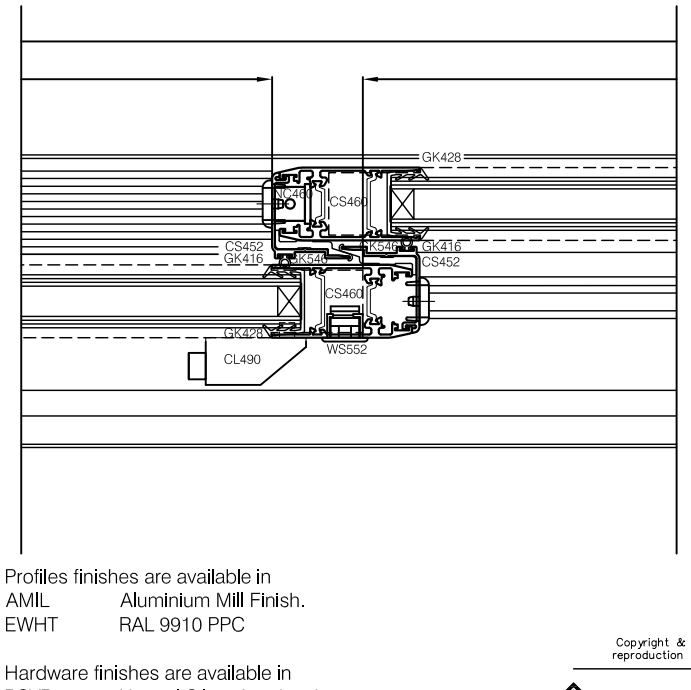
GLASS		
GLASS 28MM — 3 @	GH = H -200	GW = L/3 - 99

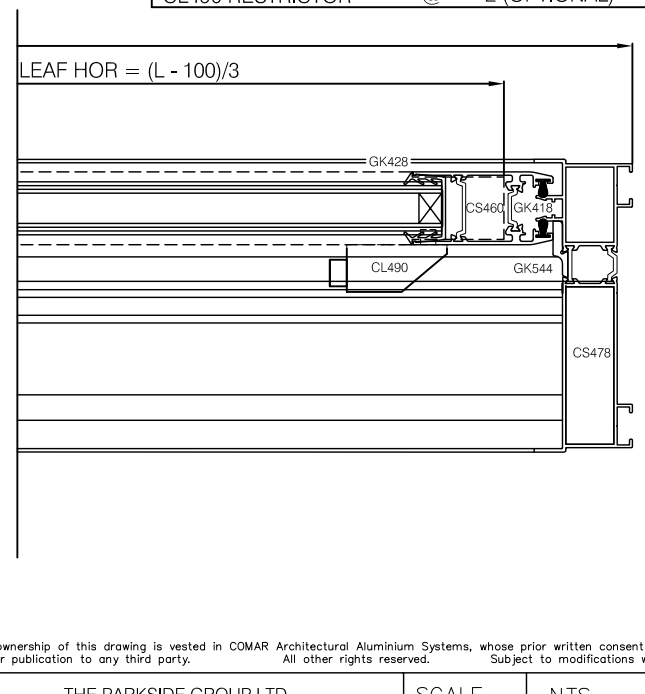
ACCESSORIES		
PLASTIC END CAP PAIR	EC460 — 12	
PLASTIC END CAP	EC461 — 12	
DRAINAGE CAP	WS022 — 5	
LOCK (LK472XSLF)	@ — 1 + LK499XSLF @ — 3	
FLUSH PULL (WS552)	@ — 1	
WHEELS	@ — 6	
ACCESSORY PACK WS768	@ — 2 (Including Anti Lift Caps)	
HD471XSLF D-HANDLE	@ — 1 (PAIR)	
FX032XSLF SCREWS	@ — 12	
NC460XSLF BRACKETS	@ — 2	
CL490 RESTRICTOR	@ — 2 (OPTIONAL)	





VIEW ON A-A





Other Lock Options

WS541 FLUSH PULL HANDLE
AUTO LOCKING ONLY
White or Silver Finish

WS542 FLUSH PULL HANDLE
AUTO or MANUAL LOCKING
White or Silver Finish

Profiles finishes are available in
AMIL Aluminium Mill Finish.
EWHT RAL 9910 PPC

Hardware finishes are available in
BSVR Natural Silver Anodised.
EWHT RAL 9910 PPC White

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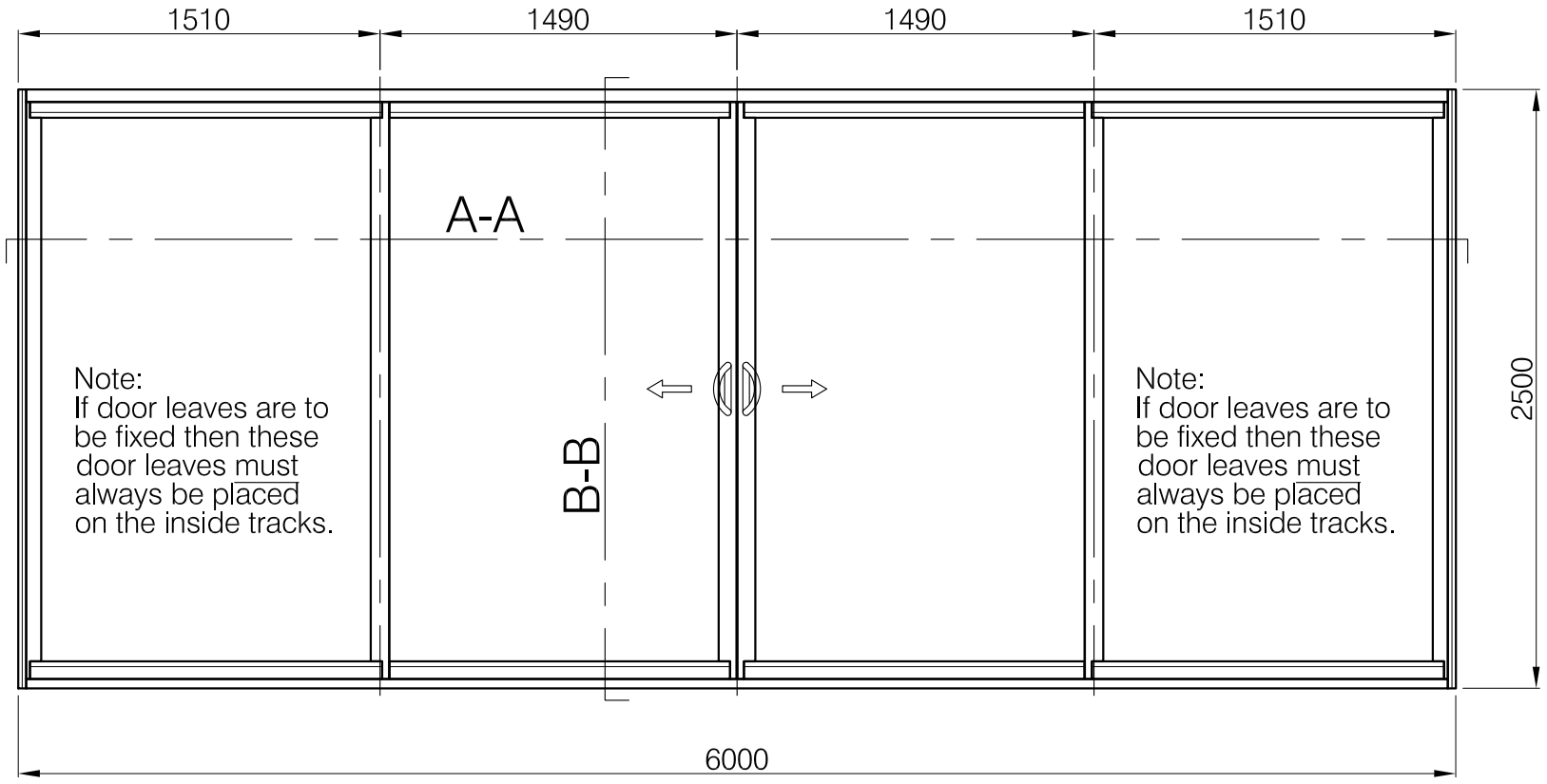
SCALE	NTS @A4
DATE	12/07/2017
DRAWN	JAG / EAE
DRG. No.	C7Pi–HSD 3.02 R4

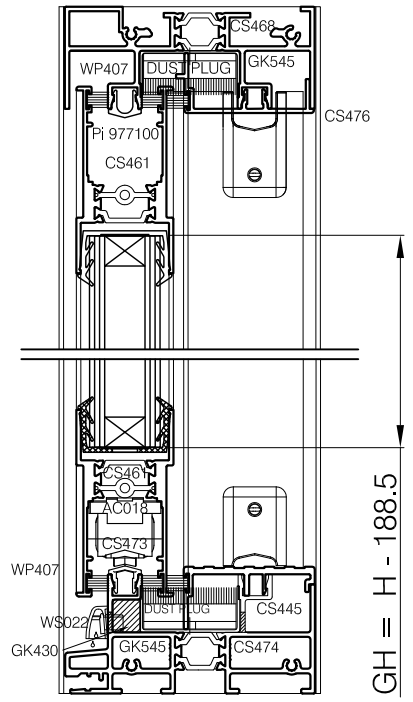
comar 7Pi

POLYAMIDE INSULATED DOOR
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 3.03

HORIZONTAL SLIDING DOORS
TWO TRACK FOUR LEAF CUTTING LIST





VIEW ON B-B

2 TRACK 4 LEAF CUTTING LIST			
FRAME VERT	CS465 — 2 @	H	
FRAME HOR	CS474 — 1 @	L - 36.6	
FRAME HOR	CS468 — 1 @	L - 36.6	
LEAF VERT	CS460 — 8 @	H - 70	
LEAF HOR	CS461 — 8 @	L/4-30	
INTERLOCK VERT	CS452 — 4 @	H - 70	
INTERLOCK GASKET	GK546 — 4 @	H - 70	
FOOT PLATE	CS445 — 1 @	L/2-99	
HEAD PLATE	CS476 — 1 @	L/2-99	
LOCKING INSERT PROFILE	CS542 — 1 @	H - 70	
CHANNEL INSERT	GK545 — 2 @	L - 36.6	
BUFFER GASKET	GK543 — 2 @	H - 41.7	
WHEEL TRACK HOR	CS473 — 1 @	L/2+34.4	
WHEEL TRACK HOR	CS473 — 1 @	L - 36.6	
WHEEL TRACK HOR	Pi 977100 — 1 @	L/2+34.4	
WHEEL TRACK HOR	Pi 977100 — 1 @	L - 36.6	
GLAZING GASKET	GK428 — 4 @	Glass Perimeter + 3%	
BUBBLE SEAL 6MM	GK416 — 6 @	H - 70	
WEATHER SEAL 6.9MM	GK418 — 4 @	H - 70	
WOOL PILE	WP407 16 @	L/4-30	
WOOL PILE	WP407 16 @	L/2-99	
CHANNEL PLUG	GK430 — 3 @	50mm	

GLASS		
GLASS 28MM — 4 @	GH = H - 188.5	GW = L/4 - 95

ACCESSORIES		
PLASTIC END CAP PAIR	EC460 — 16	
PLASTIC END CAP	EC461 — 16	
DRAINAGE CAP	WS022 — 6	
LOCK LK474XSLF	@ — 1 + LK499XSLF @—5	
FLUSH PULL HANDLE WS552	@ — 2	
WHEELS (Set of 4)	@ — 2 (AC018XSLF)	
ANTI LIFT S. KIT WS768XSLF	@ — 3 (Including Anti Lift Caps)	
NC460XSLF BRACKETS	@ — 4	
CL490 RESTRICTOR	@ — 2	
HD470XSLF D-HANDLE	@ — 1 (PAIR)	
HD478XSLF D-HANDLE	@ — 1	
HD473XSLF D-HANDLE	@ — 1	
FX032XSLF SCREWS	@ — 8	

Other Lock Options

WS541 FLUSH PULL HANDLE
AUTO LOCKING ONLY
White or Silver Finish

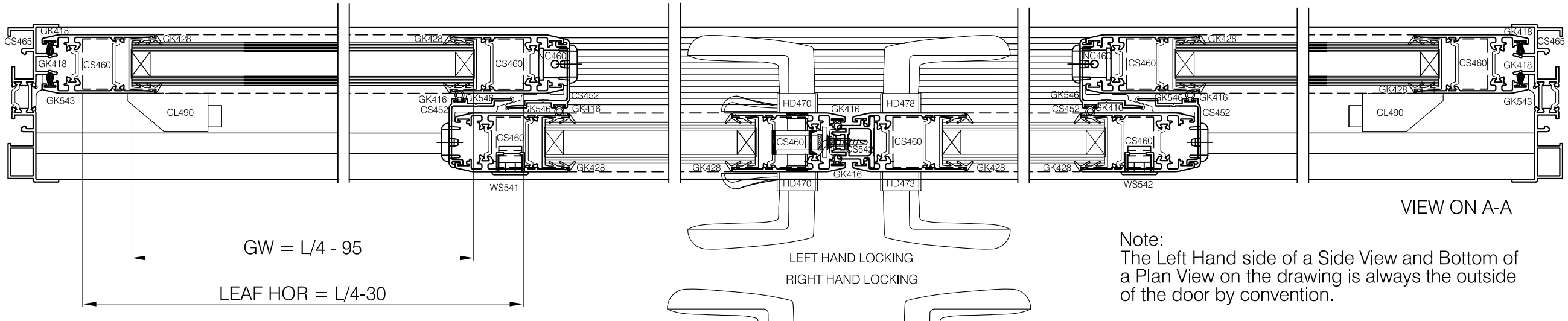
WS542 FLUSH PULL HANDLE
AUTO or MANUAL LOCKING
White or Silver Finish

Profiles finishes are available in

AMIL Aluminium Mill Finish.
EWHT RAL 9910 PPC

Hardware finishes are available in

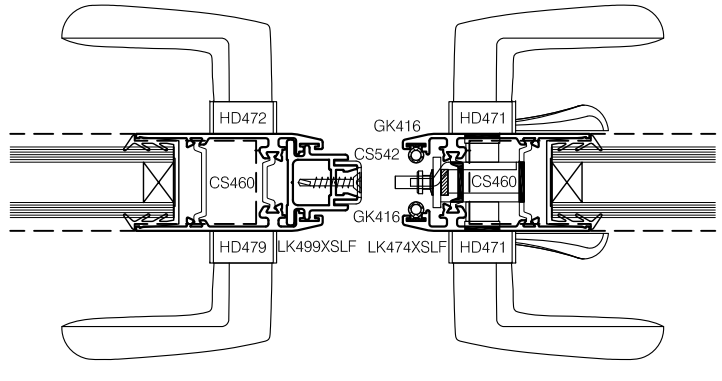
BSVR Natural Silver Anodised.
EWHT RAL 9910 PPC White



VIEW ON A-A

LEFT HAND LOCKING

RIGHT HAND LOCKING



Note:
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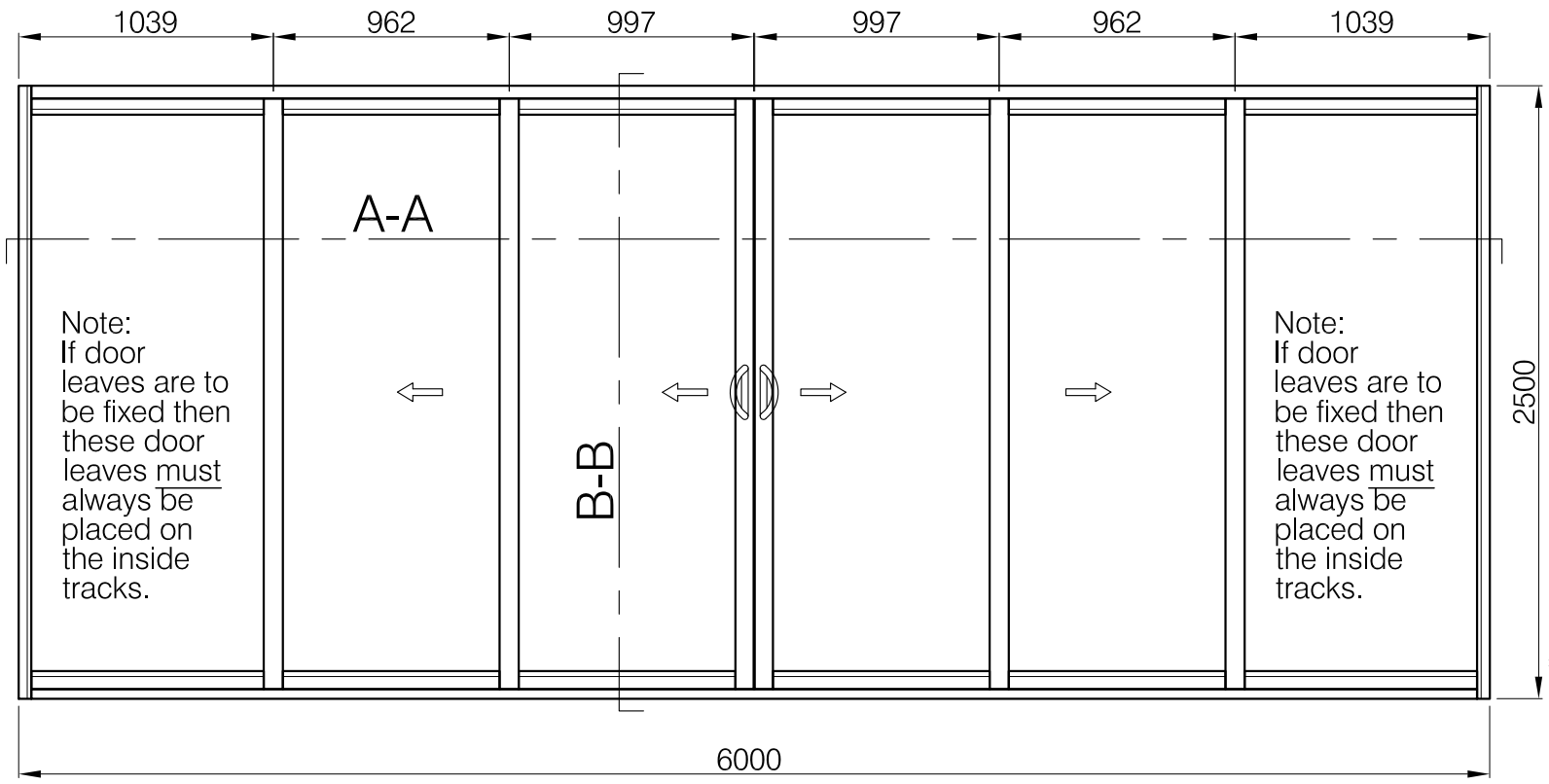
DRAWN	DGN / EAE	
DRG. No.	C7Pi—HSD—3.03	R4

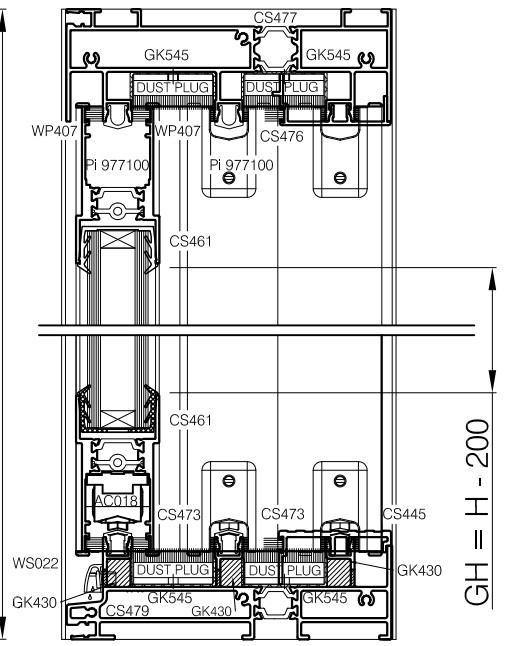
comar 7Pi

POLYAMIDE INSULATED DOOR
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 3.04

HORIZONTAL SLIDING DOOR
EXAMPLE THREE TRACK SIX LEAF CUTTING LIST





VIEW ON B-B

3 TRACK 6 LEAF CUTTING LIST

FRAME VERT	CS478	x 2	H	
FRAME HOR	CS479	x 1	L - 74	
FRAME HOR	CS477	x 1	L - 74	
LOCKING INSERT	CS542	x 1	H - 82.3	
LEAF VERT	CS460	x 12	H - 82.3	
LEAF HOR	CS461	x 12	(L - 121)/6	
INTERLOCK VERT	CS452	x 8	H - 82.3	
INTERLOCK	GK546	x 8	H - 82.3	
CHANNEL INSERT	GK545	x 2	L - 74	
BUFFER GASKET	GK543	x 2	H - 53.3	
THRESHOLD	CS445	x 1	2/3L - 155.7	
HEAD PLATE	CS476	x 1	2/3L - 155.7	
WHEEL TRACK HOR	CS473	x 2	L - 74	
WHEEL TRACK HOR	CS473	x 1	1/3L + 53.7	
HEAD TRACK HOR	Pi977100	x 2	L - 74	
HEAD TRACK HOR	Pi977100	x 1	1/3L + 53.7	
GLAZING GASKET	GK428	x 6	Glass Perimeter + 3.5%	
BUBBLE SEAL INTERLOCK	GK416	x 10	H - 86.5	
WEATHER SEAL JAMB	GK418	x 4	H - 86.5	
WOOL PILE	WP407	x 24	(L - 35)/6	
WOOL PILE	WP407	x 1	2/3L - 155.7	
WOOL PILE	WP407	x 1	2/3L - 155.7	
CHANNEL PLUG	GK430	x 15	50mm	

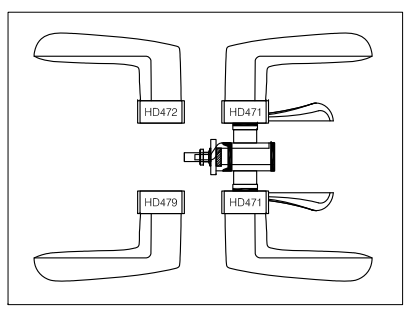
GLASS

GLASS 28MM — 6 @	GH = H - 200	GW = ((L - 121)/6) - 66.2

ACCESSORIES

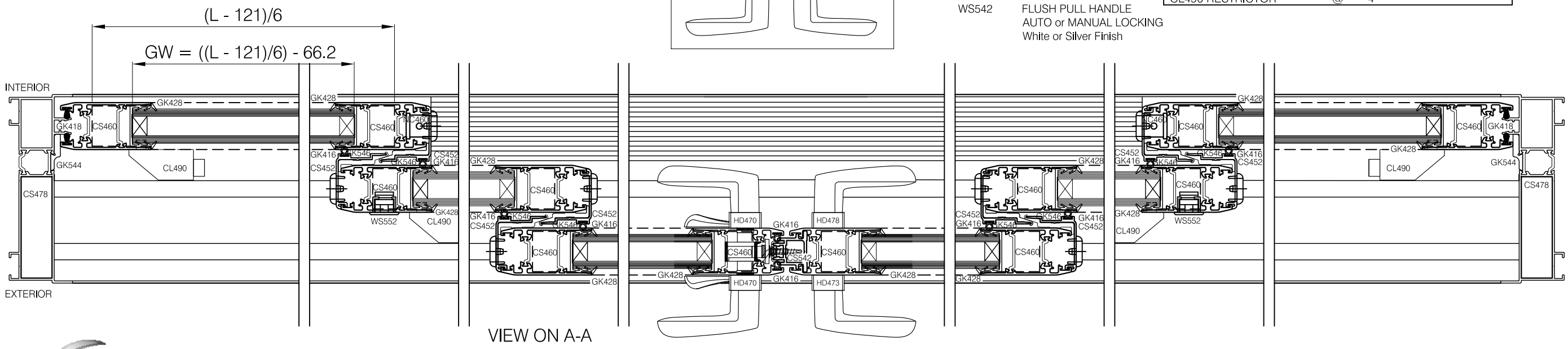
PLASTIC END CAP PAIR	EC460 — 24
PLASTIC END CAP	EC461 — 24
LOCK (LK474XSLF)	@ — 1 + LK499XSLF @ — 5
FLUSH PULL HANDLE WS552	@ — 2
WHEELS	@ — 12
ACCESSORY PACK WS768	@ — 5 (Including Anti Lift Caps)
DRAINAGE CAP (WS022)	@ — 8
HD470XSLF D-HANDLE	@ — 1 (PAIR)
HD478XSLF D-HANDLE	@ — 1
HD473XSLF D-HANDLE	@ — 1
FX032XSLF SCREWS	@ — 12
NC460XSLF BRACKETS	@ — 4
CL490 RESTRICTOR	@ — 4

Note:
The Left Hand side of a Side View and Bottom of a Plan View on the drawing is always the outside of the door by convention.



Profiles finishes are available in
AMIL Aluminium Mill Finish.
EWHT RAL 9910 PPC
Hardware finishes are available in
BSVR Natural Silver Anodised.
EWHT RAL 9910 PPC White

Other Lock Options
WS541 FLUSH PULL HANDLE
AUTO LOCKING ONLY
White or Silver Finish
WS542 FLUSH PULL HANDLE
AUTO or MANUAL LOCKING
White or Silver Finish



VIEW ON A-A

OPERATION NOTE
WHEN CLOSING THE DOORS LOCK THE OUTSIDE DOORS BEFORE LOCKING THE CENTRE DOORS.

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DATE	12/07/2017
DRAWN	DGN / KD
DRG. No.	C7Pi–HSD–3.04 R4

comar 7Pi

TITLE

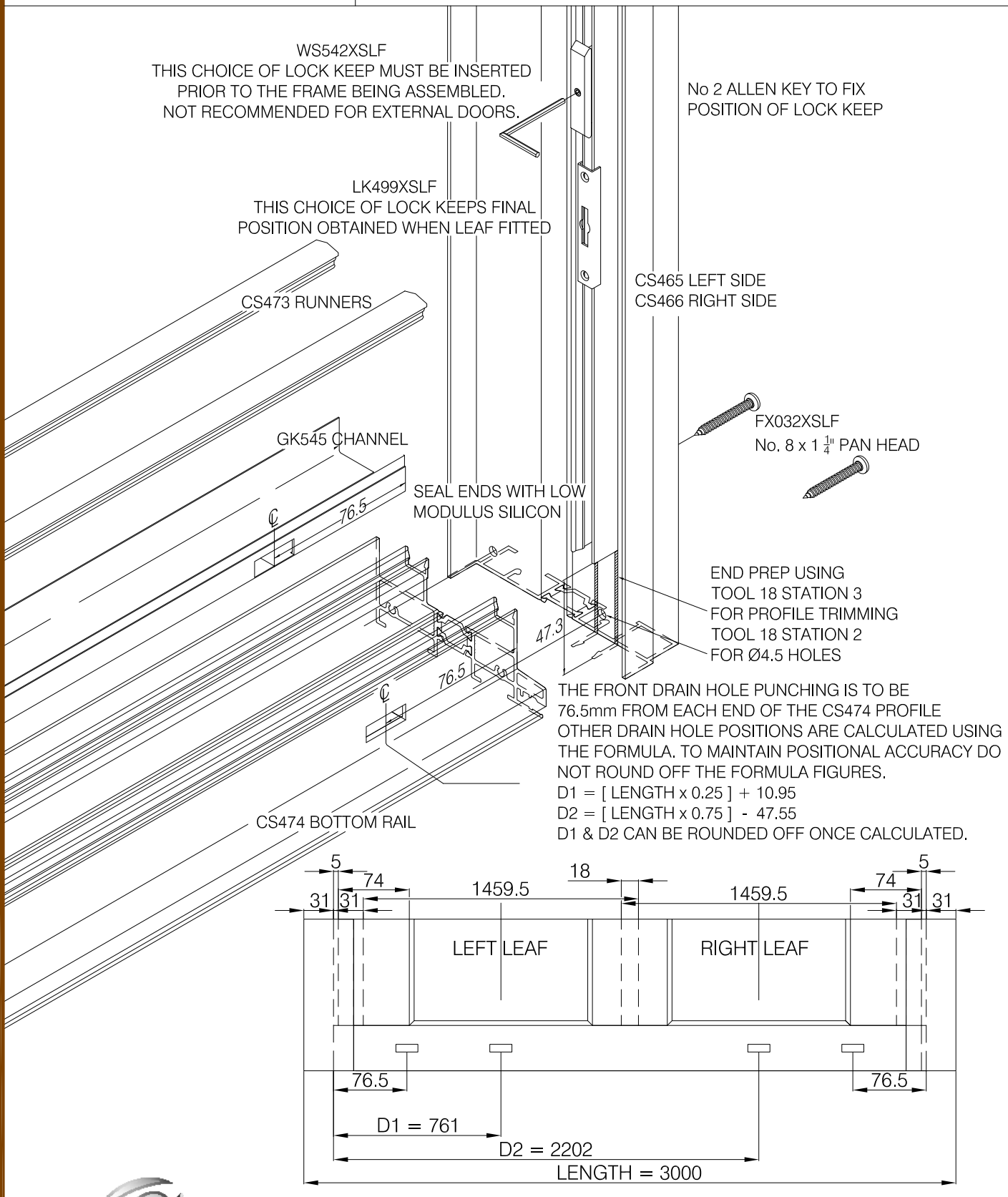
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.05

SUB TITLE

HORIZONTAL SLIDING DOOR
OUTER FRAME ASSEMBLY 2 TRACK - 2 LEAF



THE FRONT DRAIN HOLE PUNCHING IS TO BE
76.5mm FROM EACH END OF THE CS474 PROFILE
OTHER DRAIN HOLE POSITIONS ARE CALCULATED USING
THE FORMULA. TO MAINTAIN POSITIONAL ACCURACY DO
NOT ROUND OFF THE FORMULA FIGURES.
D1 = [LENGTH x 0.25] + 10.95
D2 = [LENGTH x 0.75] - 47.55
D1 & D2 CAN BE ROUNDED OFF ONCE CALCULATED.

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DRG. No.	C7Pi–HSD–3.05 R1

comar 7Pi

TITLE

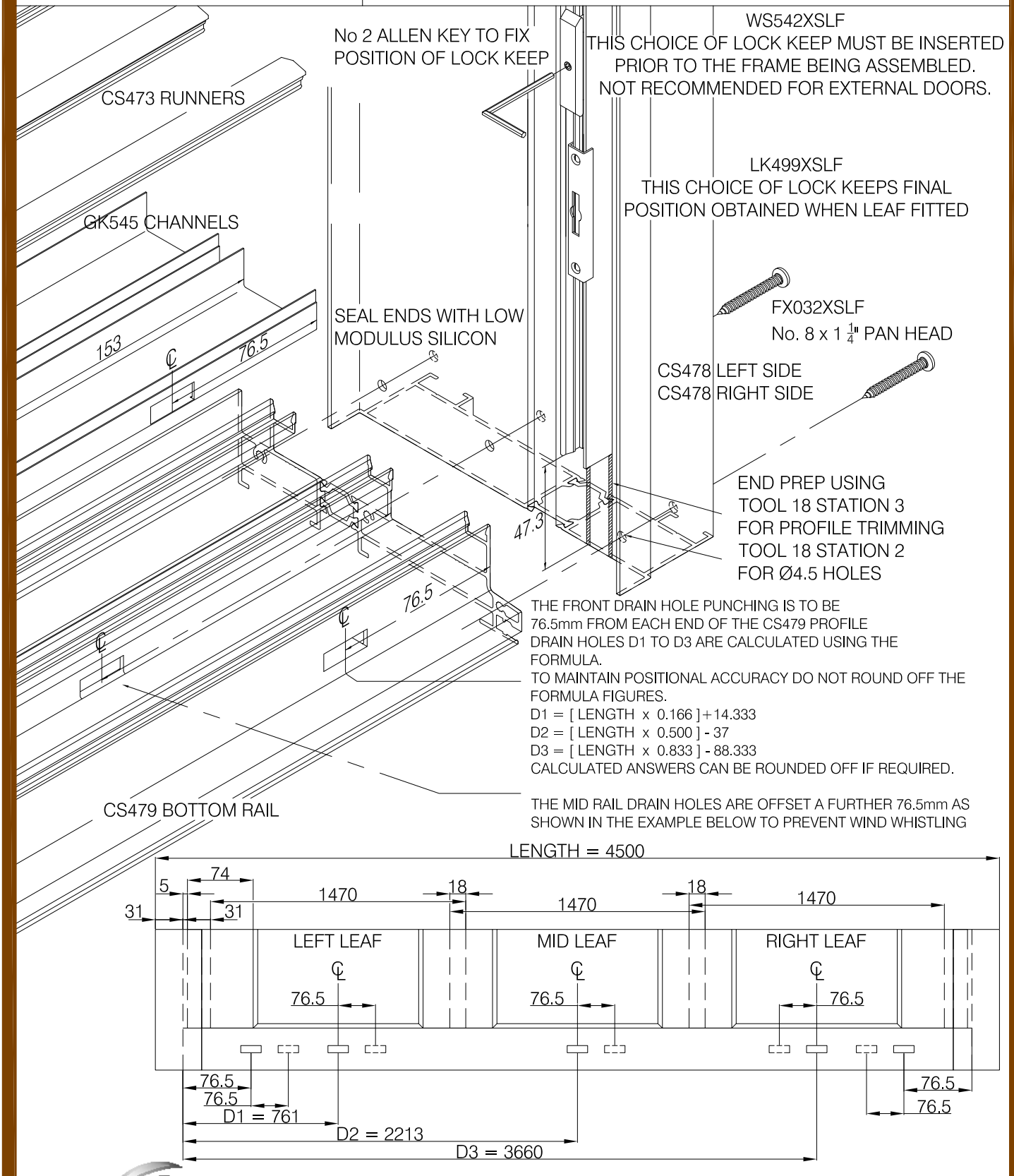
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.06

SUB TITLE

HORIZONTAL SLIDING DOOR
OUTER FRAME ASSEMBLY 3 TRACK - 3 LEAF



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DATE	18–09–2008
DRAWN	GMS / OP
DRG. No.	C7Pi–HSD–3.06 R1

comar 7Pi

TITLE

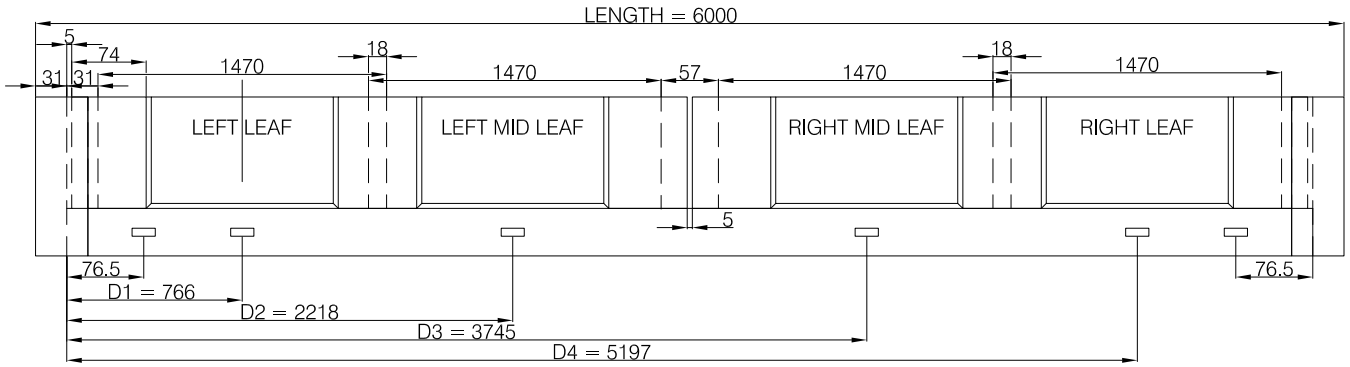
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.07

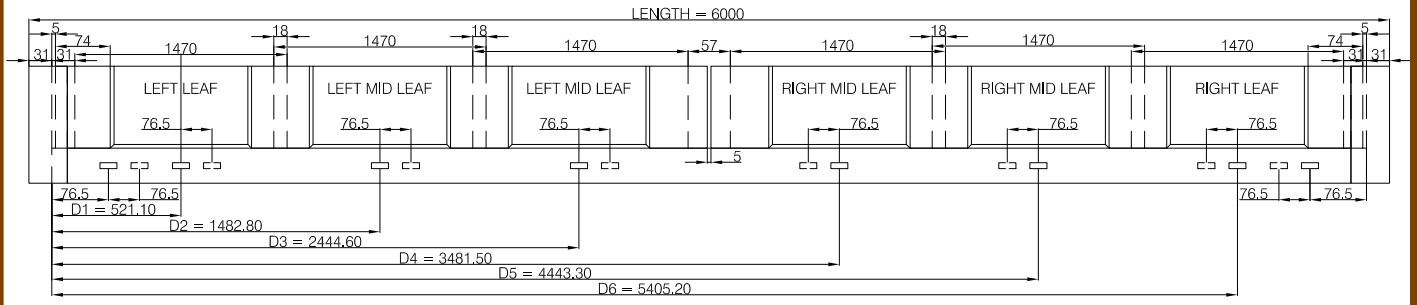
SUB TITLE

HORIZONTAL SLIDING DOOR
OUTER FRAME ASSEMBLY



OUTER FRAME ASSEMBLY 2 TRACK - 4 LEAF

THE FRONT DRAIN HOLE PUNCHING IS TO BE 76.5mm
FROM EACH END OF THE CS474 PROFILE
DRAIN HOLES D1 TO D4 ARE CALCULATED USING THE FORMULAS.
TO MAINTAIN POSITIONAL ACCURACY DO NOT ROUND OF THE FORMULA FIGURES.
D1 = [LENGTH x 0.125]+16
D2 = [LENGTH x 0.375] - 32
D3 = [LENGTH x 0.625] - 5
D4 = [LENGTH x 0.875] - 53
D1 TO D4 ANSWERS CAN BE ROUNDED OFF IF NECESSARY



OUTER FRAME ASSEMBLY 3 TRACK - 6 LEAF

THE FRONT DRAIN HOLE PUNCHING IS TO BE
76.5mm FROM EACH END OF THE CS479 PROFILE
DRAIN HOLES D1 TO D4 ARE CALCULATED USING THE FORMULAS.
TO MAINTAIN POSITIONAL ACCURACY DO NOT ROUND OFF THE FORMULA FIGURES.
D1 = [LENGTH x 0.0833]+ 21
D2 = [LENGTH x 0.2500] - 17.167
D3 = [LENGTH x 0.4166] - 55
D4 = [LENGTH x 0.5833] - 18.5
D5 = [LENGTH x 0.75] - 56.666
D6 = [LENGTH x 0.9166] - 94.8
D1 TO D6 ANSWERS CAN BE ROUNDED OF IF NECESSARY

THE MID RAIL DRAIN HOLES ARE OFFSET A FURTHER 76.5mm TO PREVENT WIND WHISTLING.

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DRG. No.	C7Pi–HSD–3.07 R1

comar 7Pi

TITLE

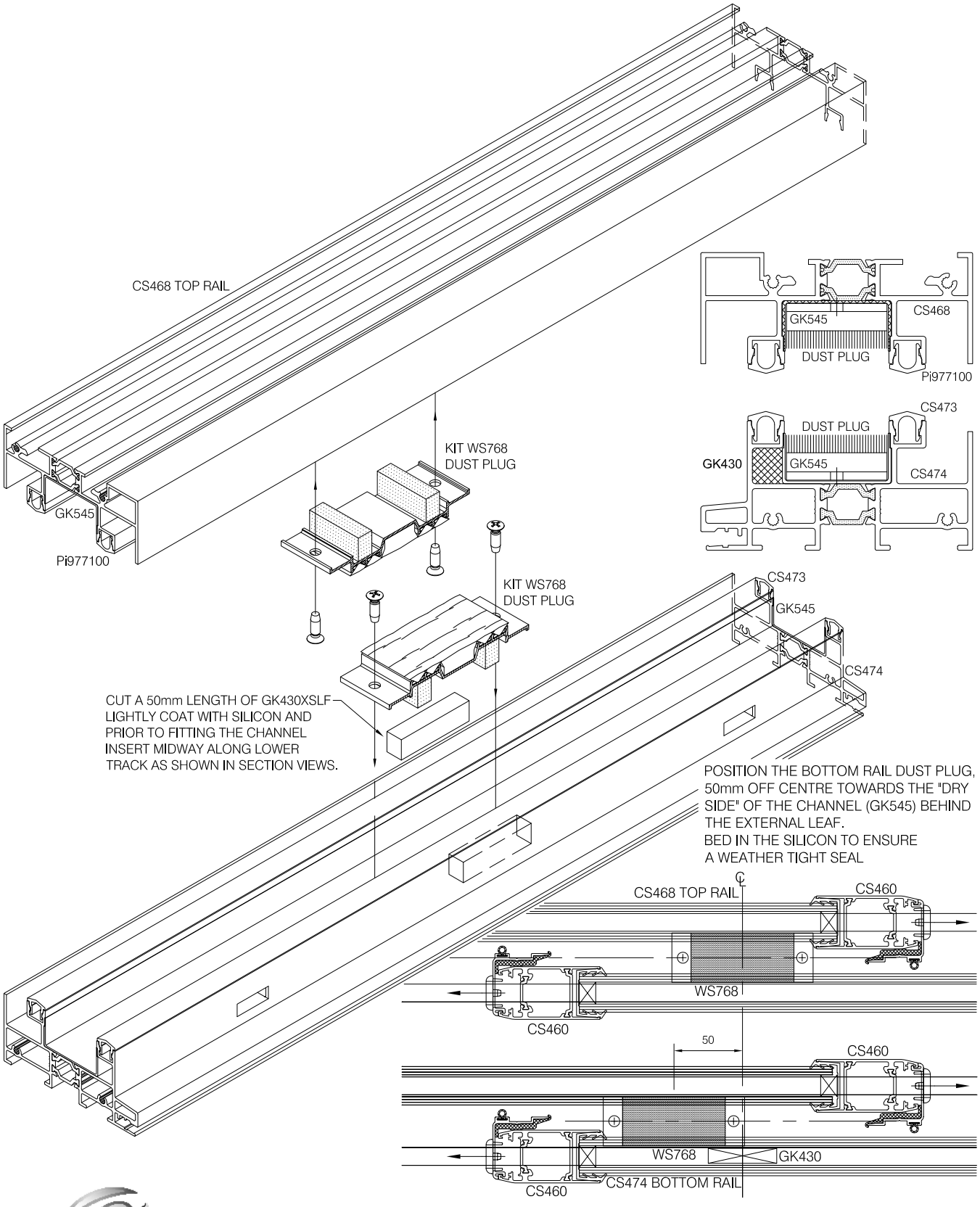
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.08

SUB TITLE

HORIZONTAL SLIDING DOOR
OUTER FRAME DUST PLUG ASSEMBLY 2 TRACK



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SCALE	NTS @ A4
DATE	18–09–2008
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DRG. No.	C7Pi–HSD–3.08 R1

comar 7Pi

TITLE

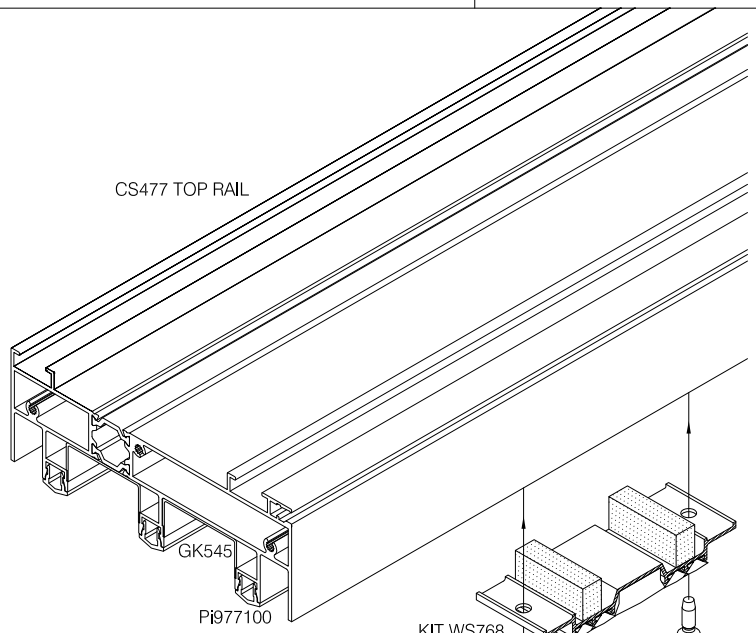
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

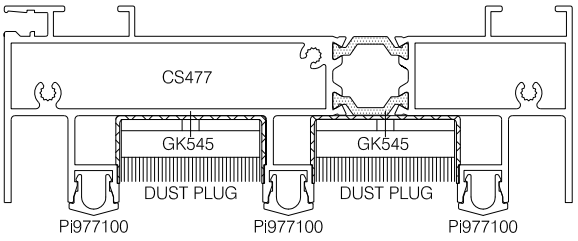
SHEET No.

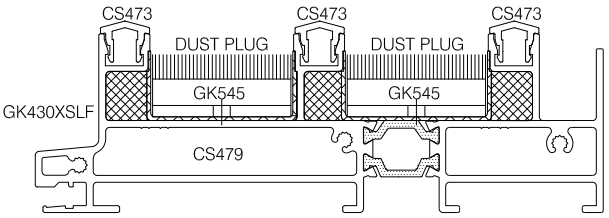
HSD 3.09

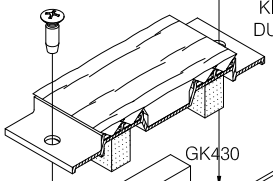
SUB TITLE

HORIZONTAL SLIDING DOOR
OUTER FRAME DUST PLUG ASSEMBLY 3 TRACK - 3 LEAF









CUT A 50mm LENGTH OF GK430XSLF LIGHTLY COAT WITH SILICON AND PRIOR TO FITTING THE CHANNEL INSERT MIDWAY ALONG LOWER TRACK AS SHOWN IN SECTION VIEWS.

POSITION THE BOTTOM RAIL DUST PLUG, 50mm OFF CENTRE TOWARDS THE "DRY SIDE" OF THE CHANNEL (GK545) BEHIND THE EXTERNAL LEAF.
BED IN THE SILICON TO ENSURE A WEATHER TIGHT SEAL

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DRG. No.	C7Pi–HSD–3.09 R1

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

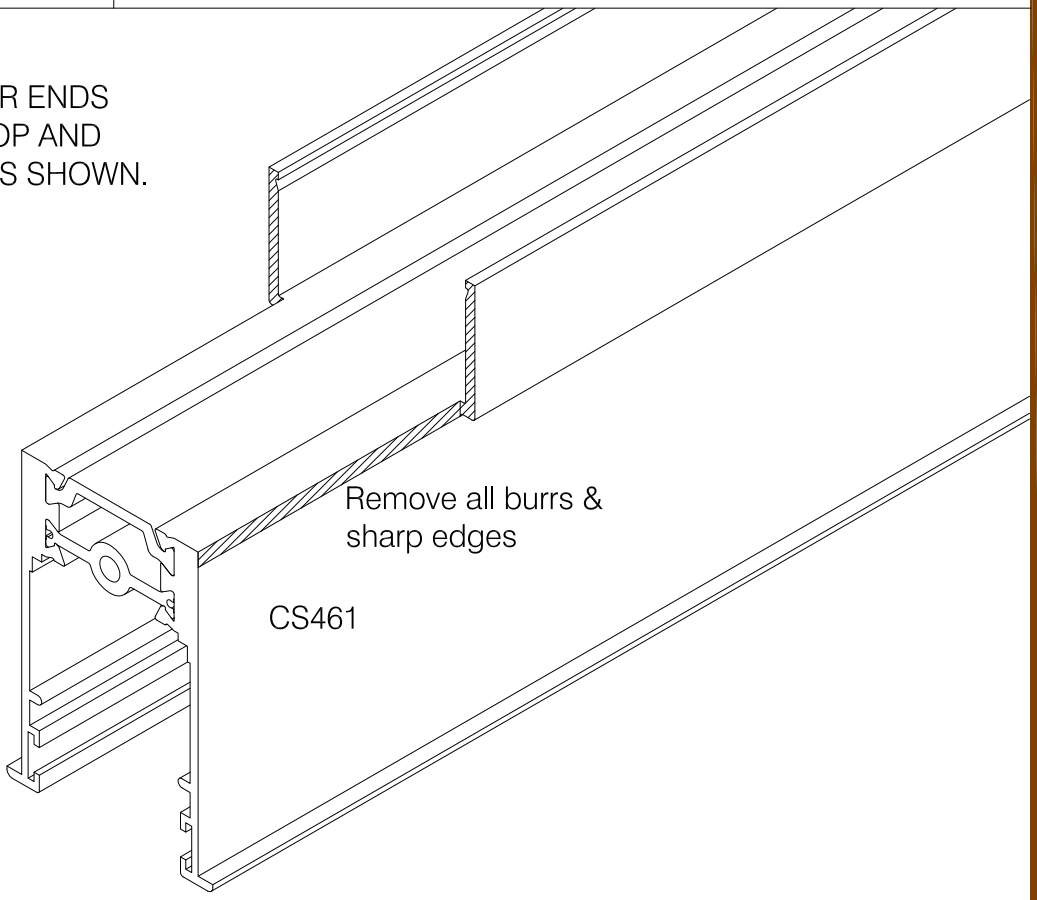
SHEET No.

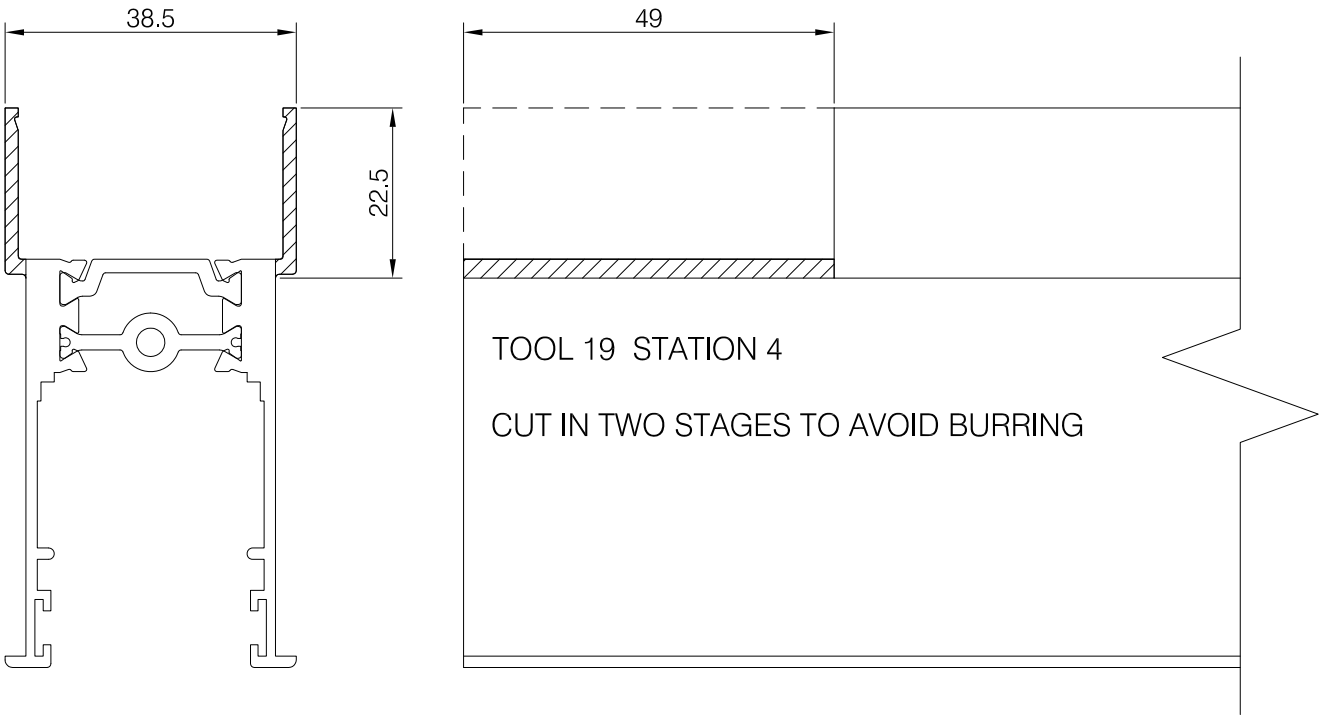
HSD 3.10

SUB TITLE

HORIZONTAL SLIDING DOOR
CS461 TOP AND BOTTOM RAIL END PREPS

1. NOTCH THE FOUR ENDS OF THE CS461 TOP AND BOTTOM RAILS AS SHOWN.





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SCALE	1:1 @ A4
DATE	18–09–2008
DRAWN	GMS / OP
DRG. No.	C7Pi–HSD–3.10 R1

comar 7Pi

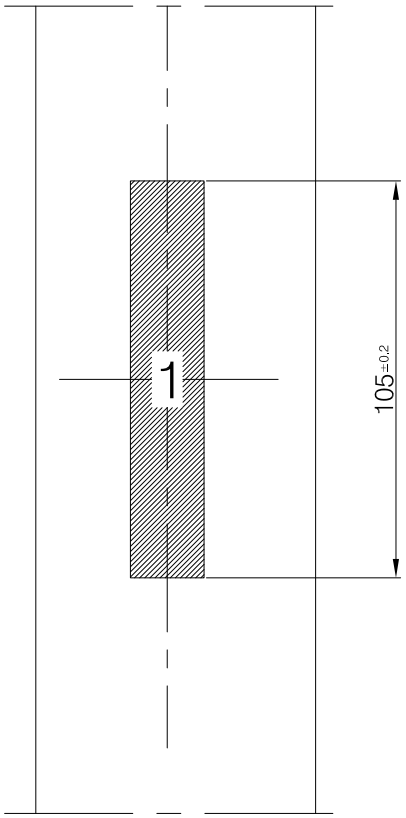
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 3.11

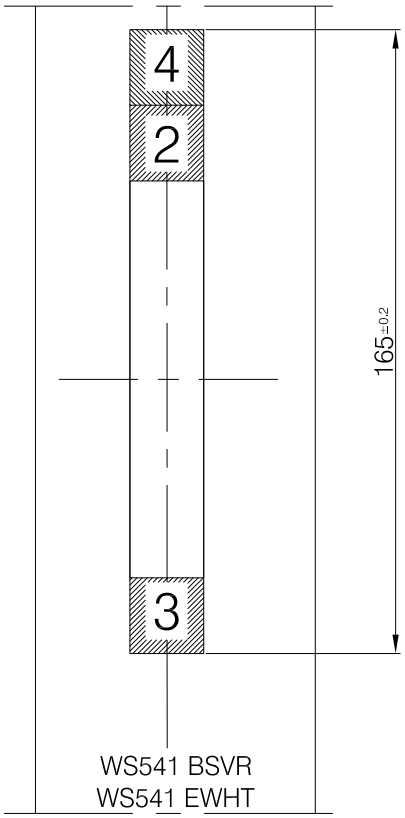
SUB TITLE
HORIZONTAL SLIDING DOOR
WS541, WS542, WS543 & WS552 LOCK PUNCHING DETAIL FOR CS460

3 PHASE, 5 STEP PUNCHING SEQUENCE

STAGE 1
STATION 5 TOOL 19
1 x PUNCH

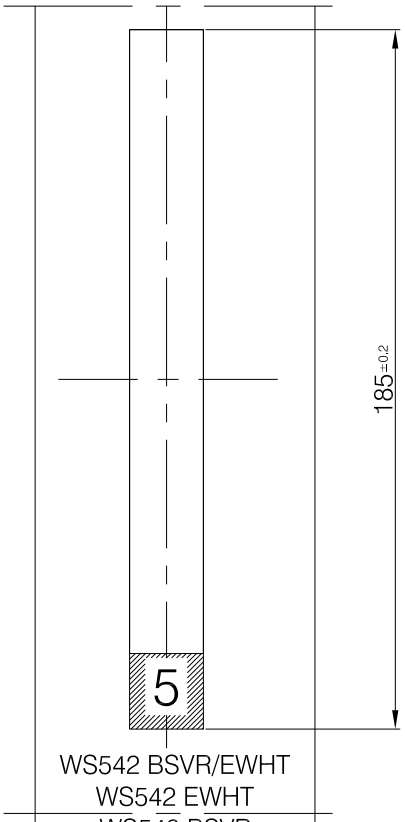


STAGE 2
STATION 6 TOOL 19
3 x PUNCH

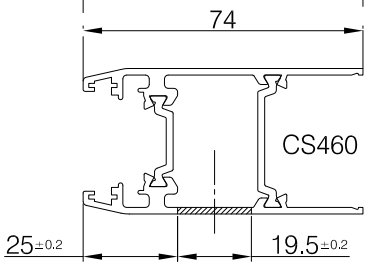


WS541 BSVR
WS541 EWHT
NON LOCKING LATCH

STAGE 3
STATION 6 TOOL 19
1 x PUNCH



WS542 BSVR/EWHT
WS542 EWHT
WS543 BSVR
WS543 EWHT
WS552 BSVR/EWHT
WS552 EWHT
LOCKING LATCH



NOTE:

THIS PREPARATION REQUIRES FIVE PUNCHING OUT ACTIONS
DEPENDANT ON THE HARDWARE BEING FITTED.
THEY ARE CARRIED OUT IN THREE PHASES AS SHOWN ABOVE.
THE HARDWARE THAT REQUIRE THIS PREPARATION ARE:

WS541: AUTOMATIC MINI HANDLE AND LOCK
WS542: INTERNAL FLUSH PULL HANDLE COMPLETE WITH HOOK LOCK & KEEP.
WS543: EXTERNAL PULL HANDLE, LOCKABLE WITH KEYS.
WS552: EXTERNAL / INTERNAL FLUSH PULL HANDLE, PLAIN.
BSVR; SILVER HANDLE
EWHT: WHITE HANDLE

Remove all burrs & sharp edges

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DRG. No.	C7Pi–HSD–3.11 R1

comar 7Pi

TITLE

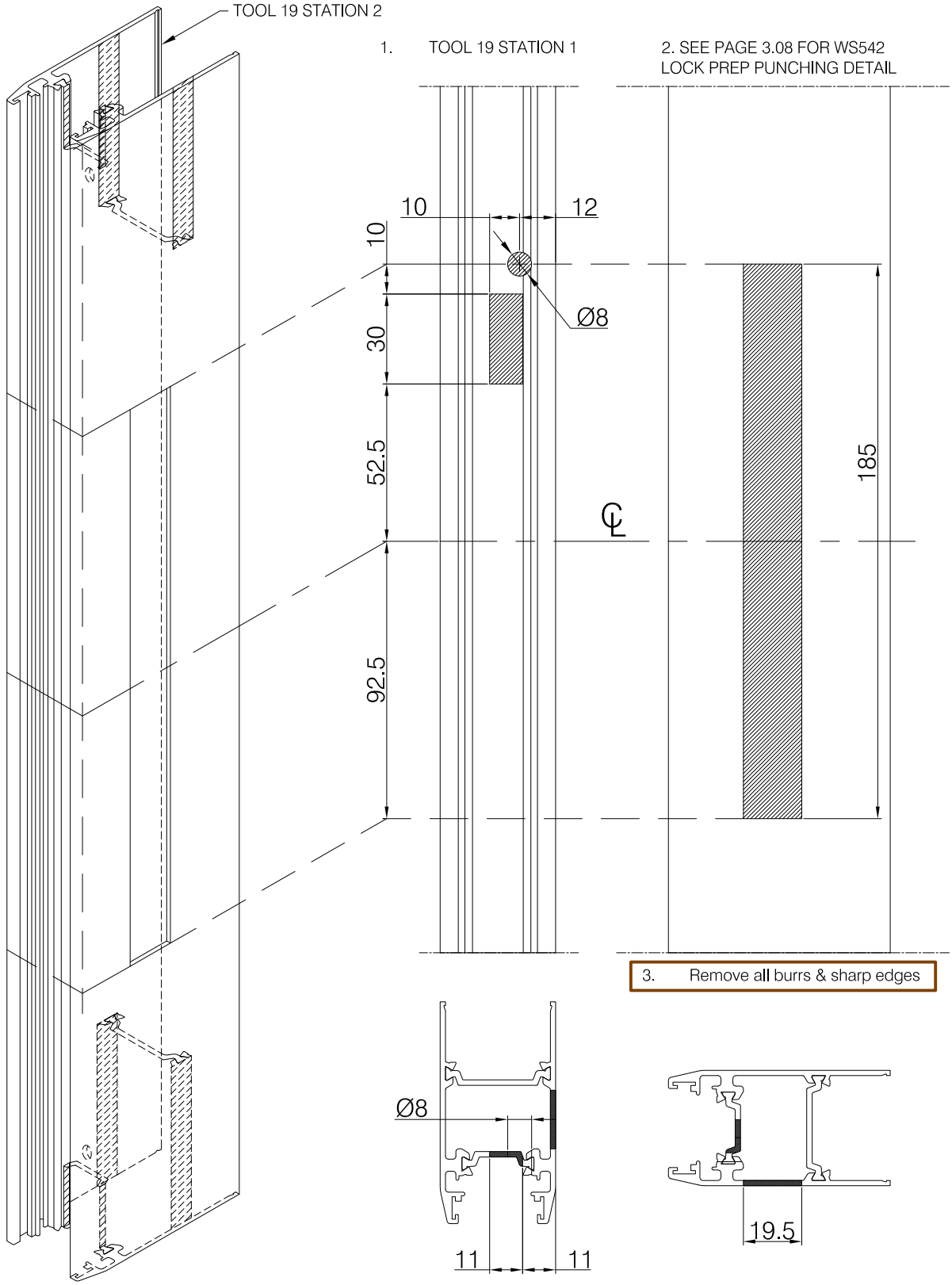
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.12

SUB TITLE

HORIZONTAL SLIDING DOOR
WS542 HANDLE AND LOCK PUNCHING DETAIL FOR CS460



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TITLE

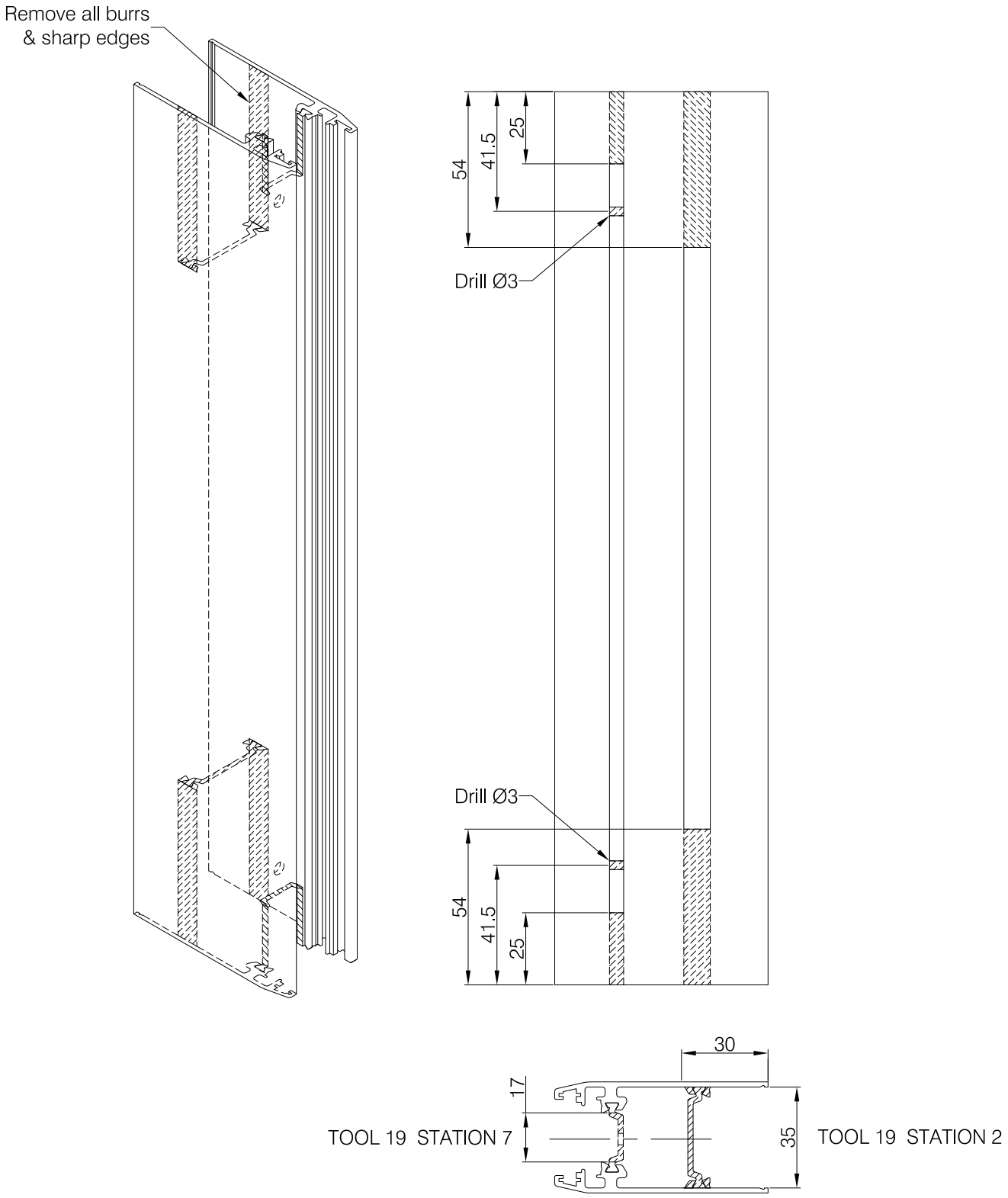
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.13

SUB TITLE

HORIZONTAL SLIDING DOOR
CS460 STILE END PREPS



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TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

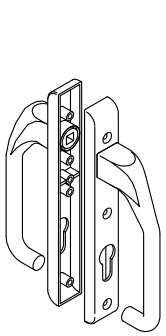
SHEET No.

HSD 3.14

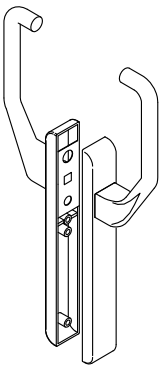
SUB TITLE

HORIZONTAL SLIDING DOOR
LK472XSLF 3 POINT & LK474XSLF 5 POINT LOCK CASE FOR CS460

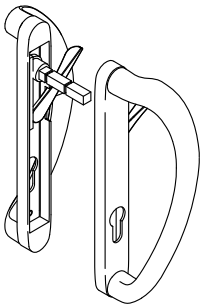
DESCRIPTION	CODE	CUT HOLES
PAIR "LEVER" HANDLES	HD440	A, B, C, D, E
PAIR "LEVER" DUMMY HANDLES	HD441	A, C, E
PAIR "D" HANDLES WITH EURO CYLINDER (LEFT HANDED)	HD470	A, B, C, D, E
PAIR "D" HANDLES WITH EURO CYLINDER (RIGHT HANDED)	HD471	A, B, C, D, E
SINGLE "D" HANDLE NO CYLINDER OR LEVER (RIGHT HANDED INTERNAL)	HD472	A, C, E
SINGLE "D" HANDLE NO CYLINDER OR LEVER (RIGHT HANDED EXTERNAL)	HD473	A, C, E
SINGLE "D" HANDLE NO CYLINDER OR LEVER (LEFT HANDED EXTERNAL)	HD479	A, C, E
SINGLE "D" HANDLE NO CYLINDER OR LEVER (LEFT HANDED INTERNAL)	HD478	A, C, E



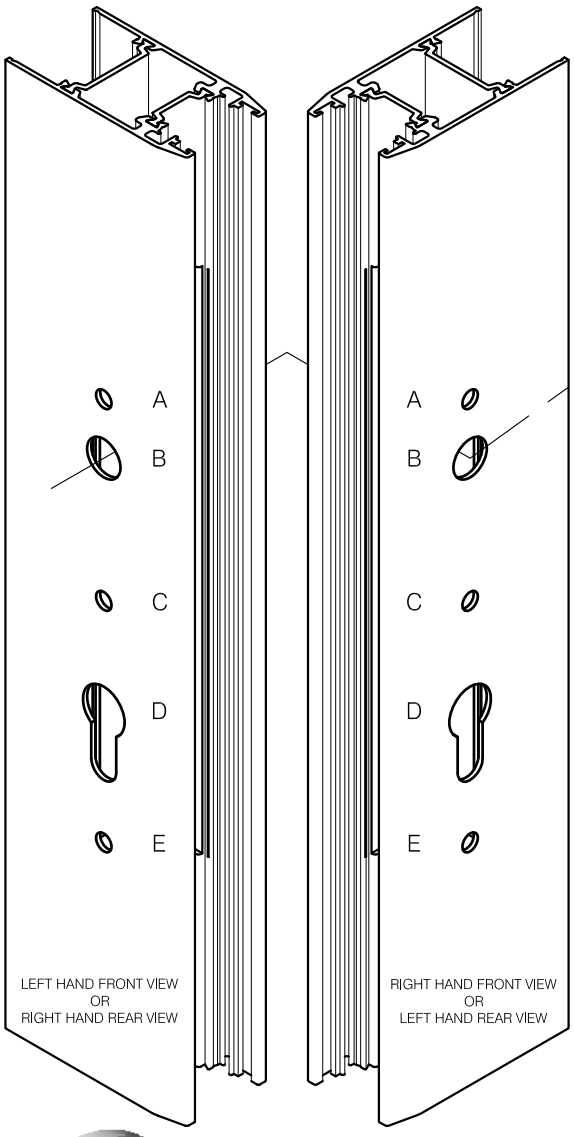
HD440

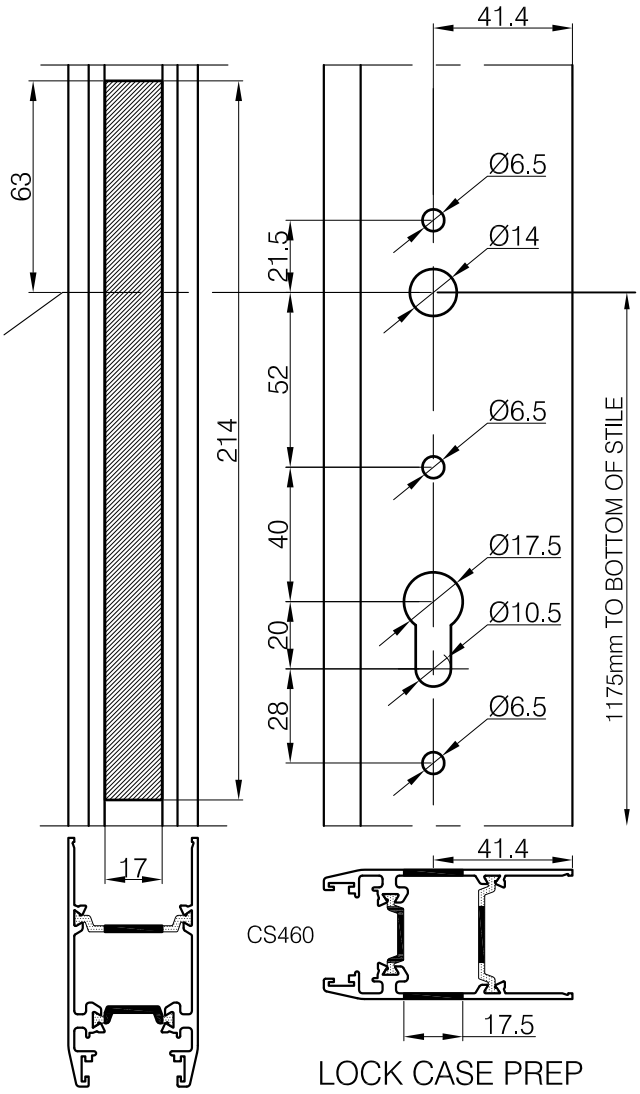


HD441



HD470 - HD479





LOCK CASE PREP

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DRG. No.	C7Pi–HSD–3.14 R2

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TITLE

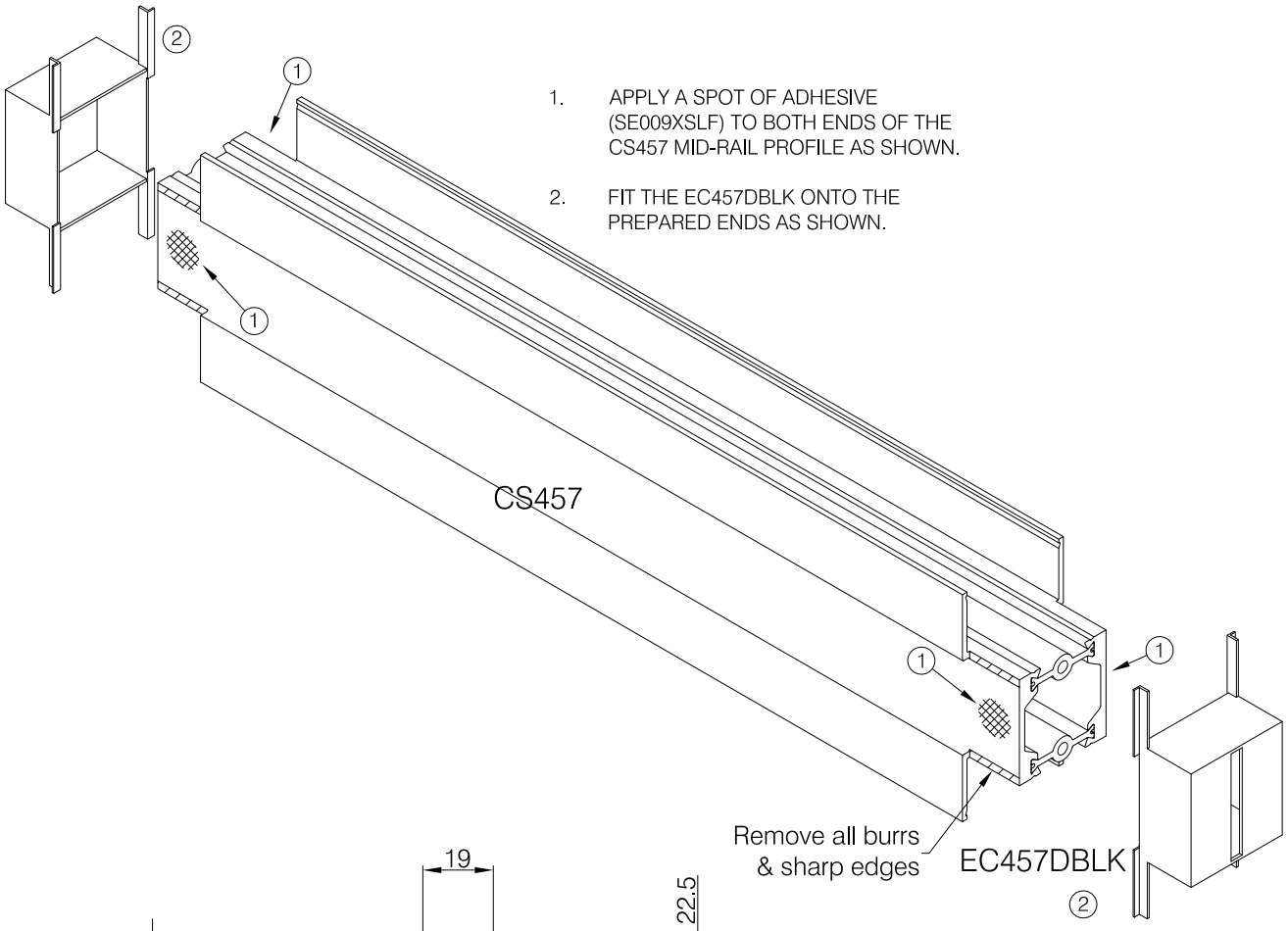
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.15

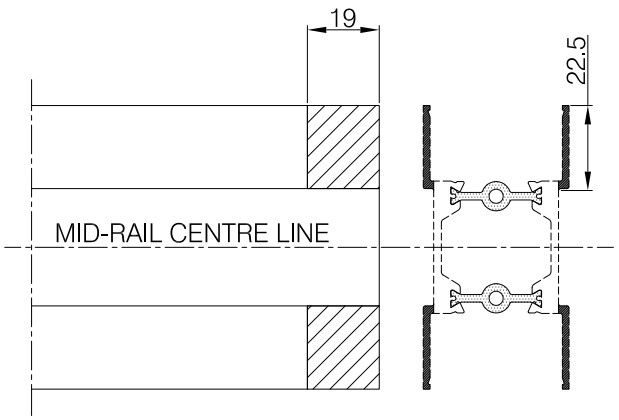
SUB TITLE

HORIZONTAL SLIDING DOOR
CS457 MID RAIL FABRICATION IF REQUIRED. FOR A FIXED LEAF ONLY



1. APPLY A SPOT OF ADHESIVE (SE009XSLF) TO BOTH ENDS OF THE CS457 MID-RAIL PROFILE AS SHOWN.

2. FIT THE EC457DBLK ONTO THE PREPARED ENDS AS SHOWN.



TOOL 19 STATION 4

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TITLE

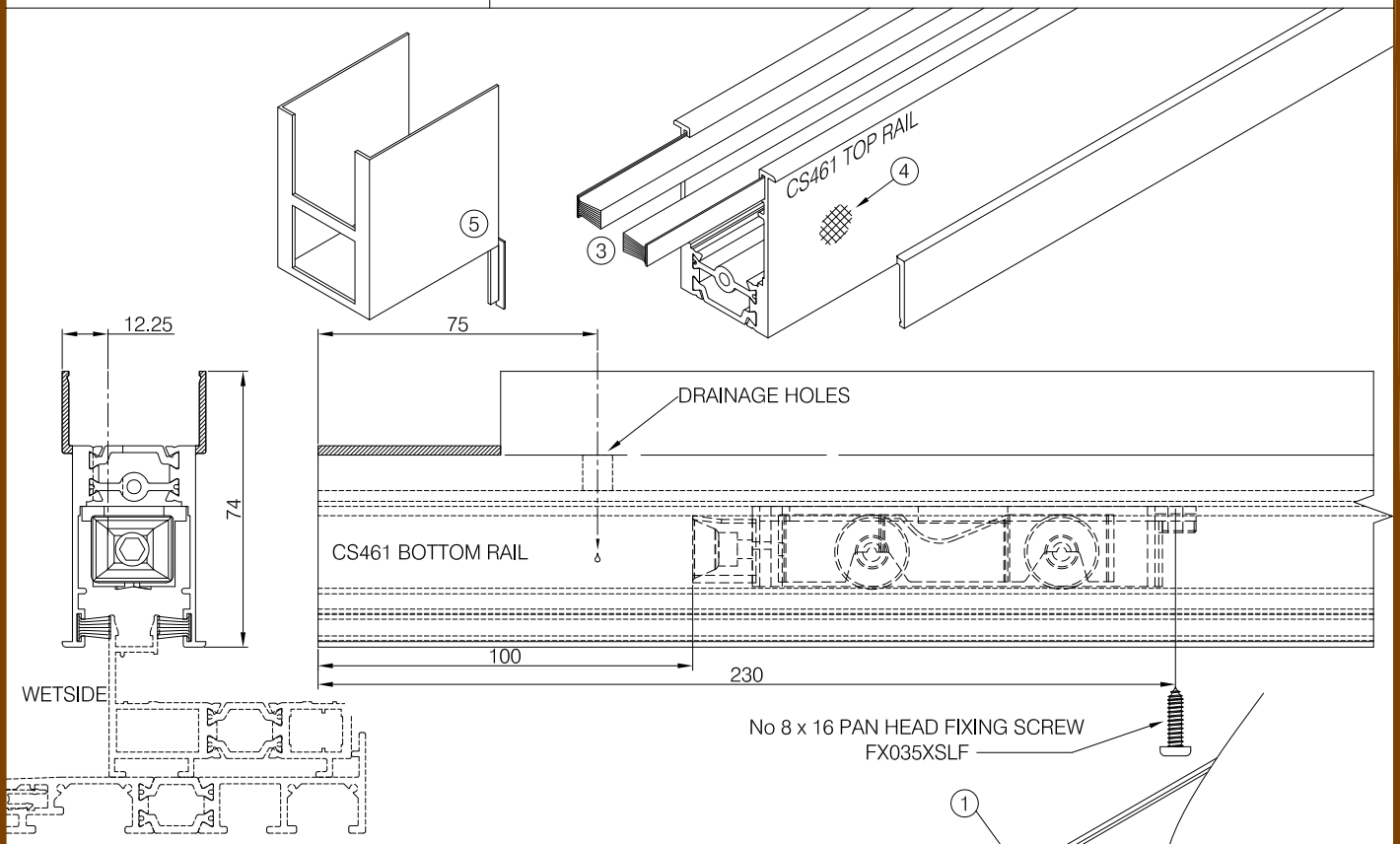
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.16

SUB TITLE

HORIZONTAL SLIDING DOOR
CS461 TOP & BOTTOM RAILS ASSEMBLY



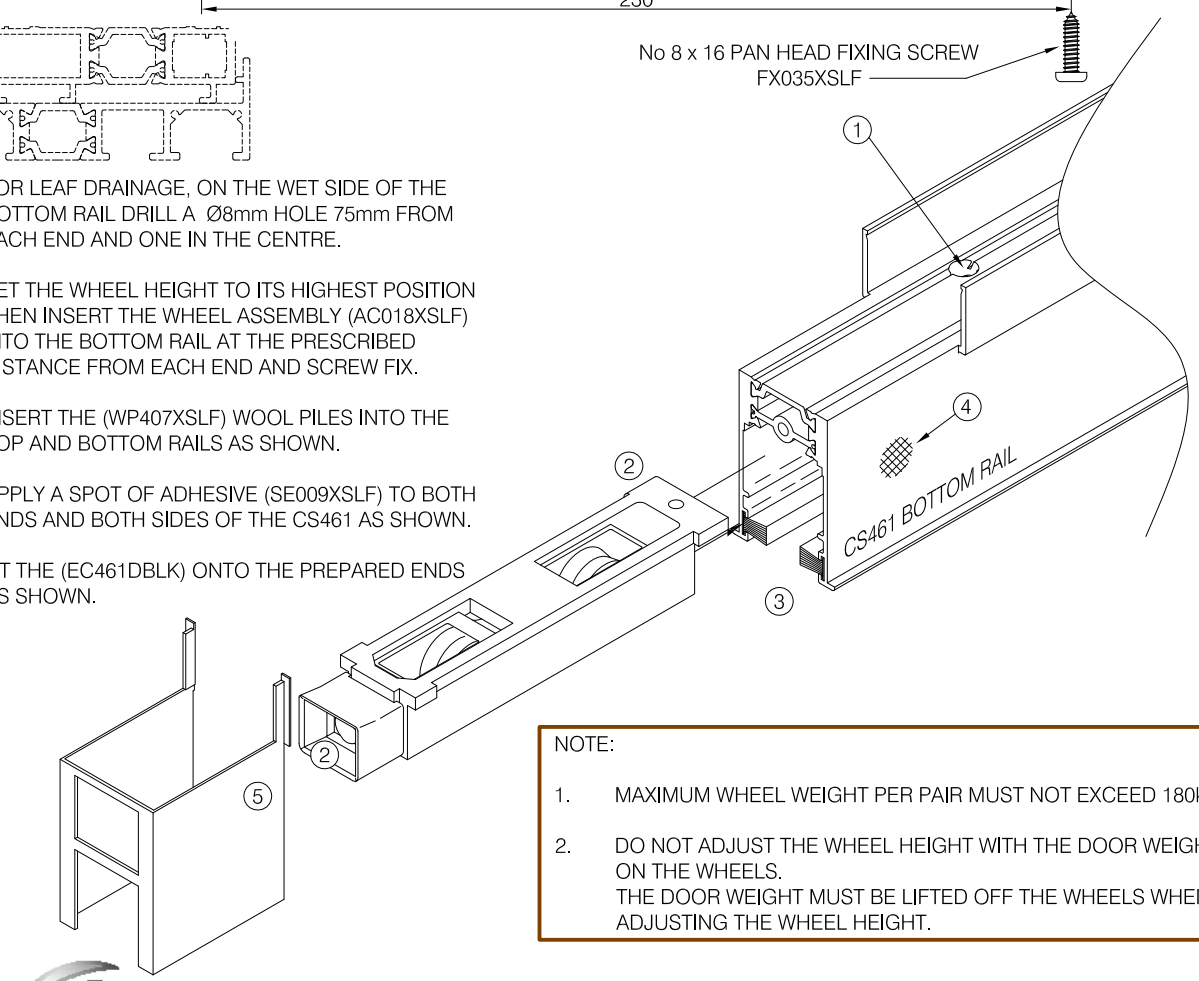
1. FOR LEAF DRAINAGE, ON THE WET SIDE OF THE BOTTOM RAIL DRILL A Ø8mm HOLE 75mm FROM EACH END AND ONE IN THE CENTRE.

2. SET THE WHEEL HEIGHT TO ITS HIGHEST POSITION THEN INSERT THE WHEEL ASSEMBLY (AC018XSLF) INTO THE BOTTOM RAIL AT THE PRESCRIBED DISTANCE FROM EACH END AND SCREW FIX.

3. INSERT THE (WP407XSLF) WOOL PILES INTO THE TOP AND BOTTOM RAILS AS SHOWN.

4. APPLY A SPOT OF ADHESIVE (SE009XSLF) TO BOTH ENDS AND BOTH SIDES OF THE CS461 AS SHOWN.

5. FIT THE (EC461DBLK) ONTO THE PREPARED ENDS AS SHOWN.



NOTE:

1. MAXIMUM WHEEL WEIGHT PER PAIR MUST NOT EXCEED 180kg

2. DO NOT ADJUST THE WHEEL HEIGHT WITH THE DOOR WEIGHT ON THE WHEELS.
   THE DOOR WEIGHT MUST BE LIFTED OFF THE WHEELS WHEN ADJUSTING THE WHEEL HEIGHT.

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TITLE

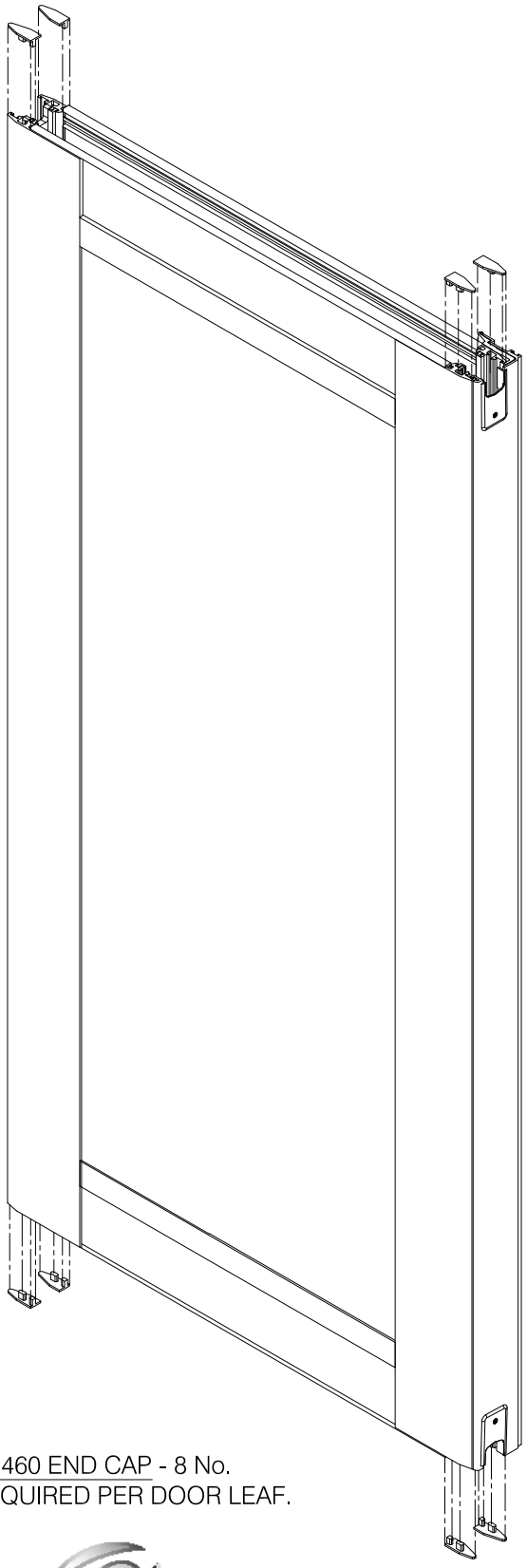
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.17

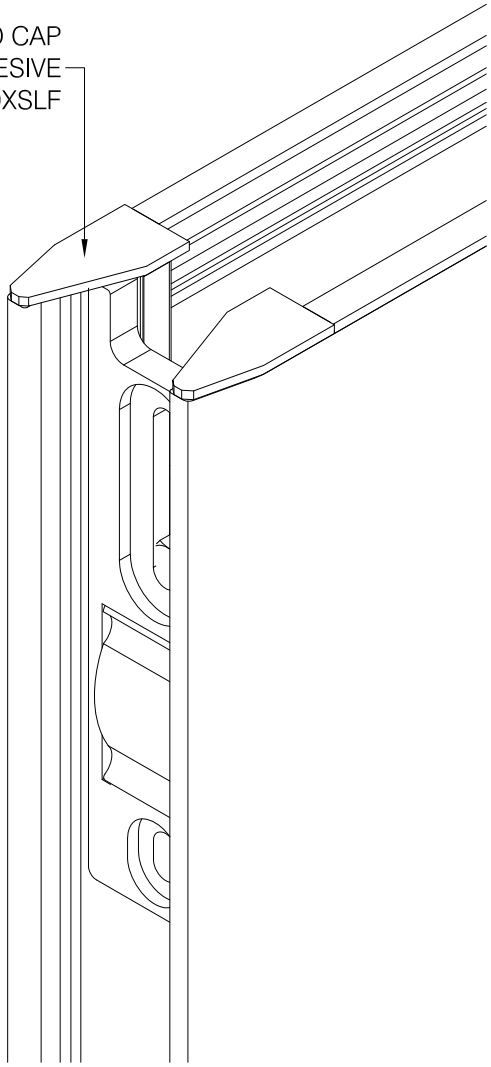
SUB TITLE

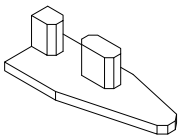
HORIZONTAL SLIDING DOOR
END CAPS - EC 460

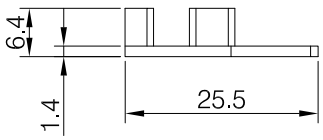


EC460 END CAP - 8 No.
REQUIRED PER DOOR LEAF.

EC460 END CAP
FIXED WITH ADHESIVE
SE009XSLF







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TITLE

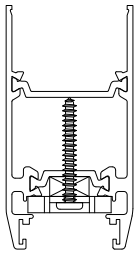
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

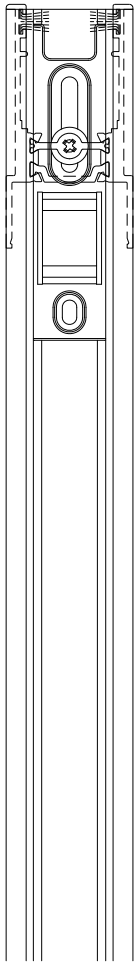
SHEET No.

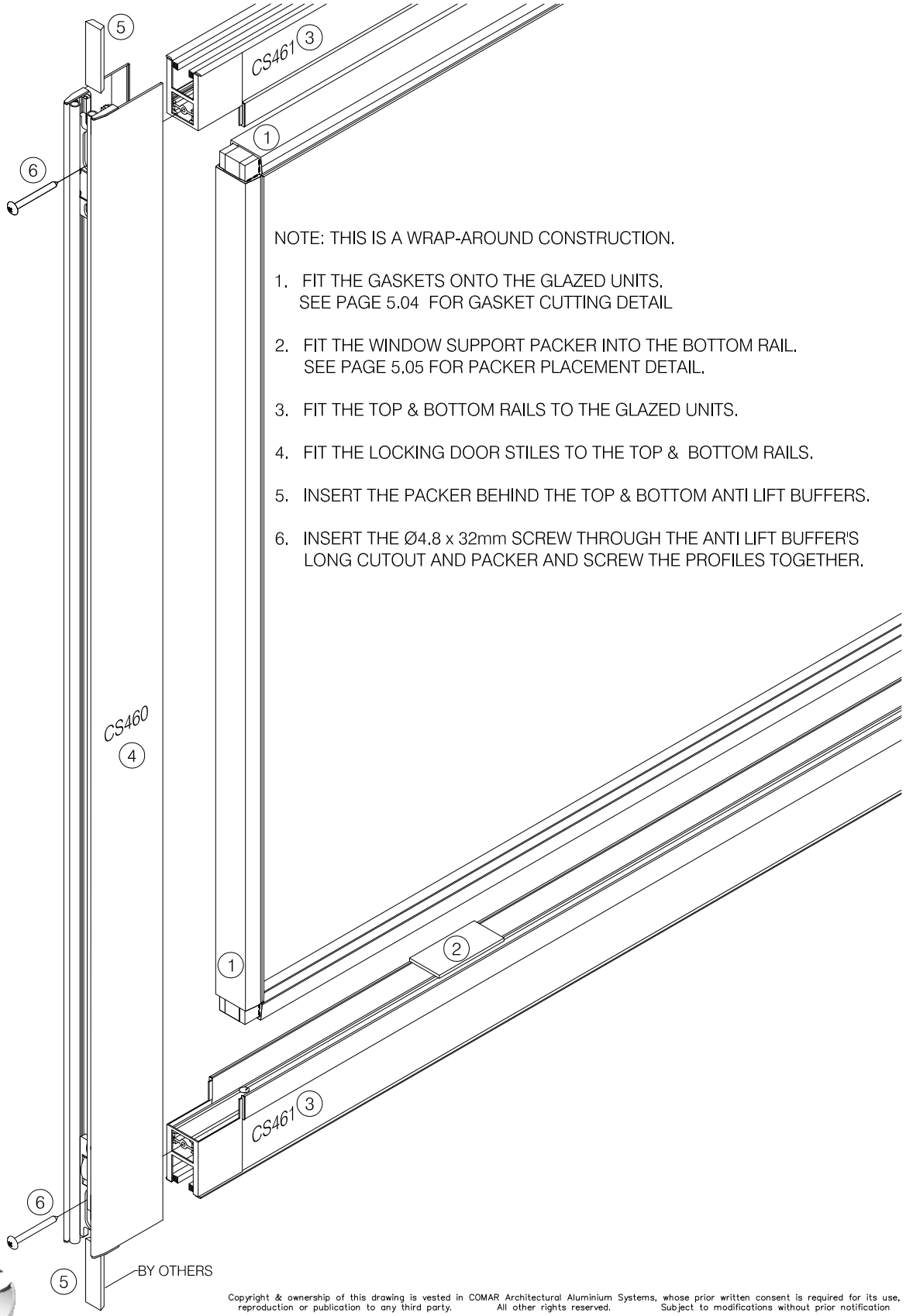
HSD 3.18

SUB TITLE

HORIZONTAL SLIDING DOOR
LEAF ASSEMBLY - DOOR STILE LOCKING END







NOTE: THIS IS A WRAP-AROUND CONSTRUCTION.

1. FIT THE GASKETS ONTO THE GLAZED UNITS.
   SEE PAGE 5.04 FOR GASKET CUTTING DETAIL
2. FIT THE WINDOW SUPPORT PACKER INTO THE BOTTOM RAIL.
   SEE PAGE 5.05 FOR PACKER PLACEMENT DETAIL.
3. FIT THE TOP & BOTTOM RAILS TO THE GLAZED UNITS.
4. FIT THE LOCKING DOOR STILES TO THE TOP & BOTTOM RAILS.
5. INSERT THE PACKER BEHIND THE TOP & BOTTOM ANTI LIFT BUFFERS.
6. INSERT THE Ø4.8 x 32mm SCREW THROUGH THE ANTI LIFT BUFFER'S LONG CUTOUT AND PACKER AND SCREW THE PROFILES TOGETHER.

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TITLE

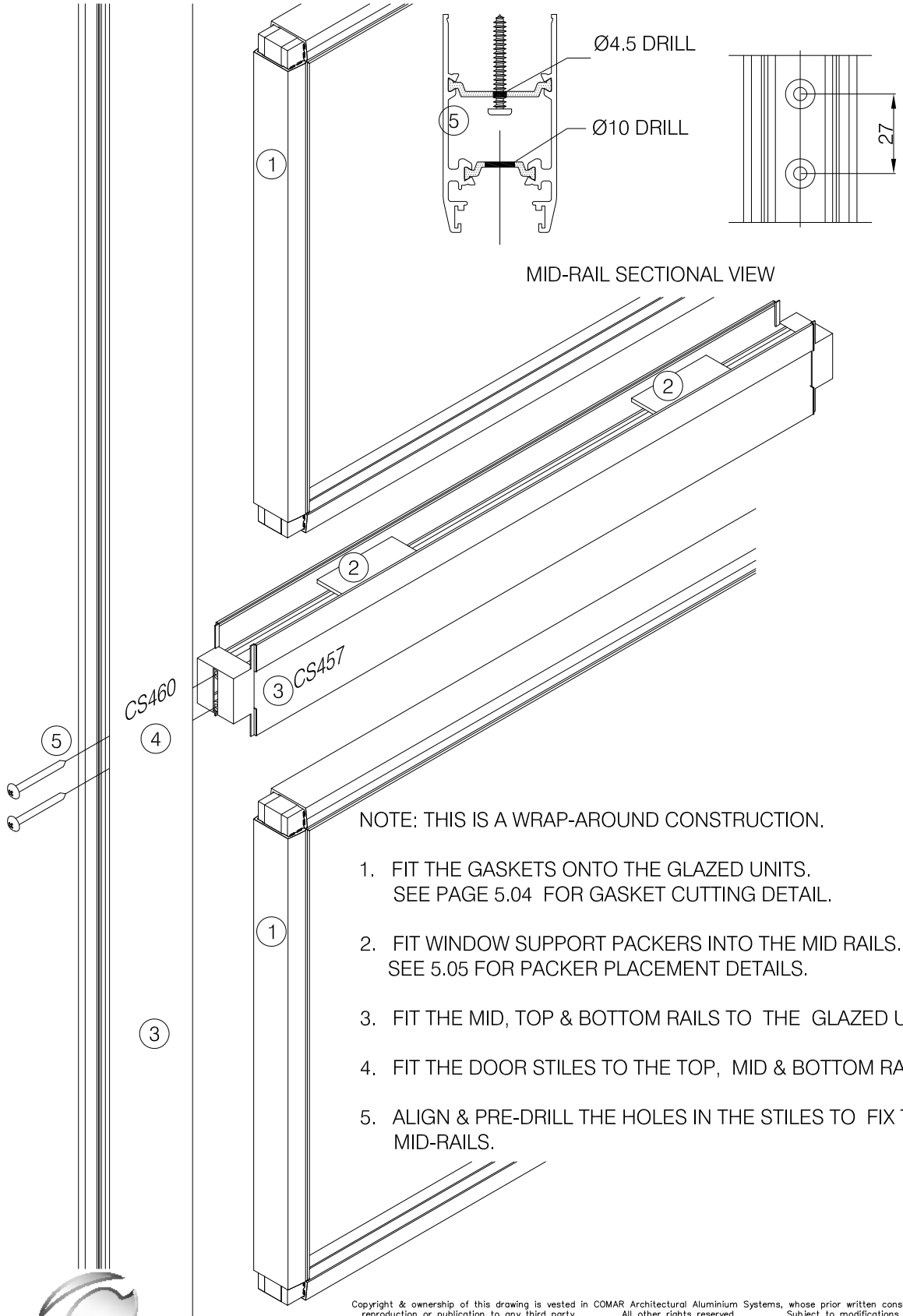
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.19

SUB TITLE

HORIZONTAL SLIDING DOOR
FIXED LEAF ASSEMBLY WITH MID RAIL



NOTE: THIS IS A WRAP-AROUND CONSTRUCTION.

1. FIT THE GASKETS ONTO THE GLAZED UNITS.
   SEE PAGE 5.04 FOR GASKET CUTTING DETAIL.

2. FIT WINDOW SUPPORT PACKERS INTO THE MID RAILS.
   SEE 5.05 FOR PACKER PLACEMENT DETAILS.

3. FIT THE MID, TOP & BOTTOM RAILS TO THE GLAZED UNITS.

4. FIT THE DOOR STILES TO THE TOP, MID & BOTTOM RAILS.

5. ALIGN & PRE-DRILL THE HOLES IN THE STILES TO FIX THE MID-RAILS.

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DRG. No.	C7Pi–HSD–3.19 R1

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TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

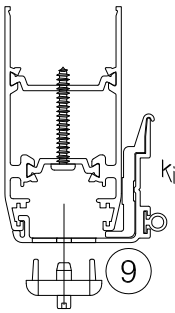
SHEET No.

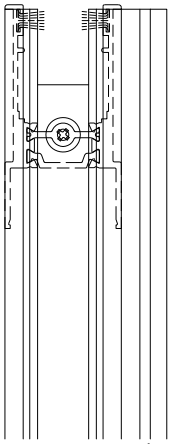
HSD 3.20

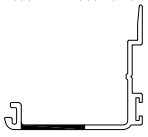
SUB TITLE

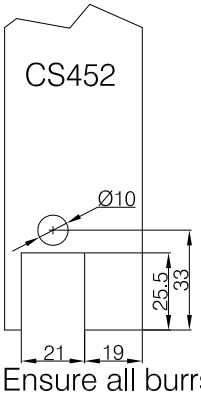
HORIZONTAL SLIDING DOOR
LEAF ASSEMBLY - DOORS STILES INTERLOCK END

Interlock Sectional View

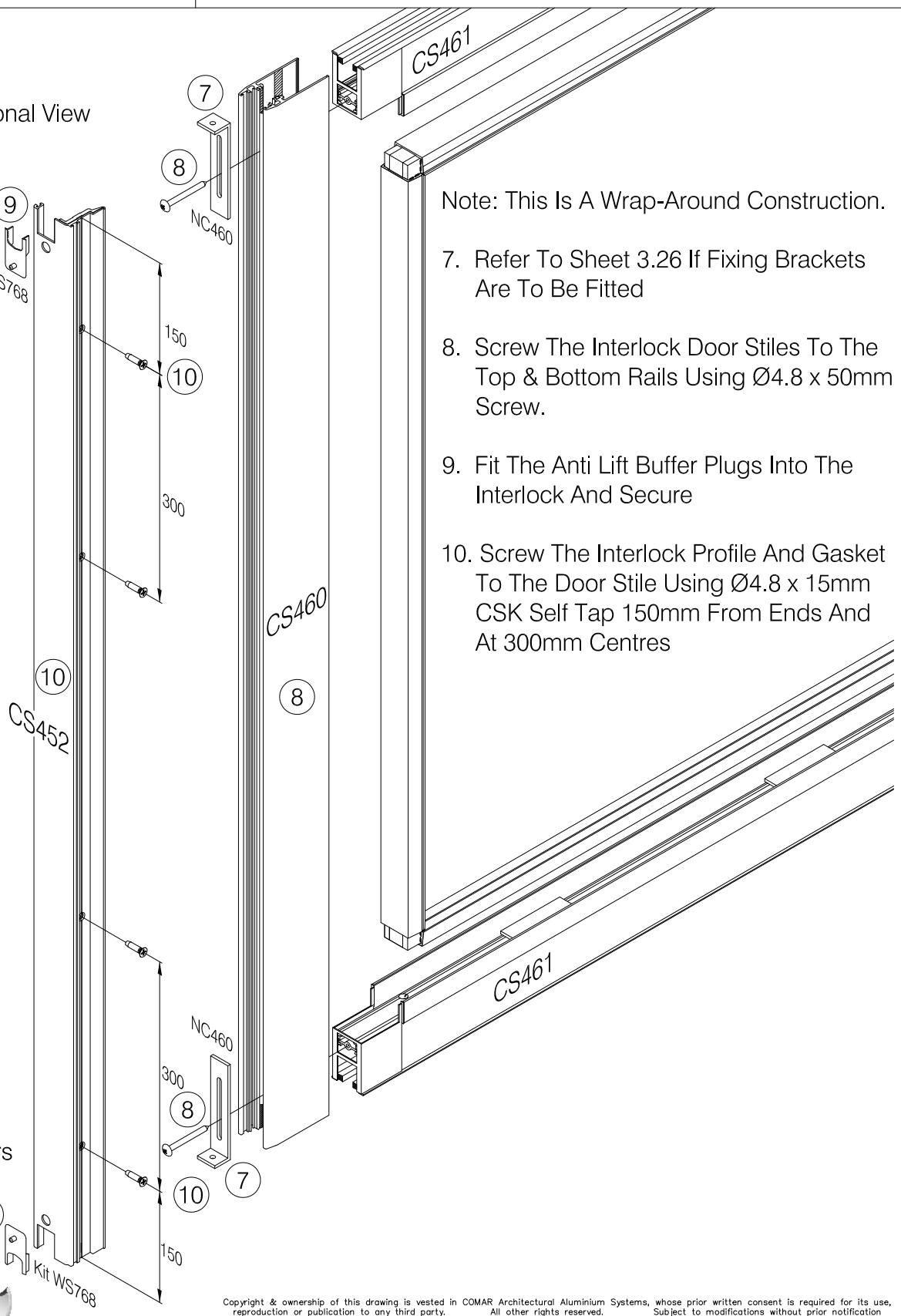








Ensure all burrs are removed



Note: This Is A Wrap-Around Construction.

7. Refer To Sheet 3.26 If Fixing Brackets Are To Be Fitted

8. Screw The Interlock Door Stiles To The Top & Bottom Rails Using Ø4.8 x 50mm Screw.

9. Fit The Anti Lift Buffer Plugs Into The Interlock And Secure

10. Screw The Interlock Profile And Gasket To The Door Stile Using Ø4.8 x 15mm CSK Self Tap 150mm From Ends And At 300mm Centres

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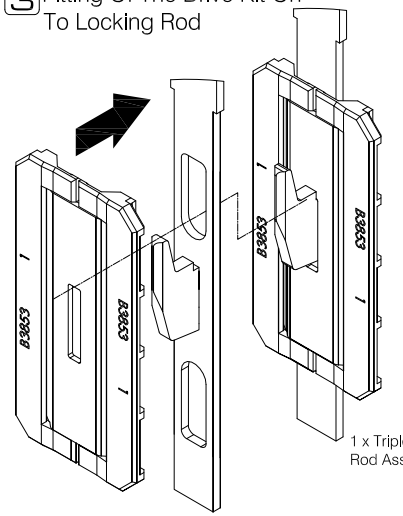
LK482 Triple Lock Rod Kit

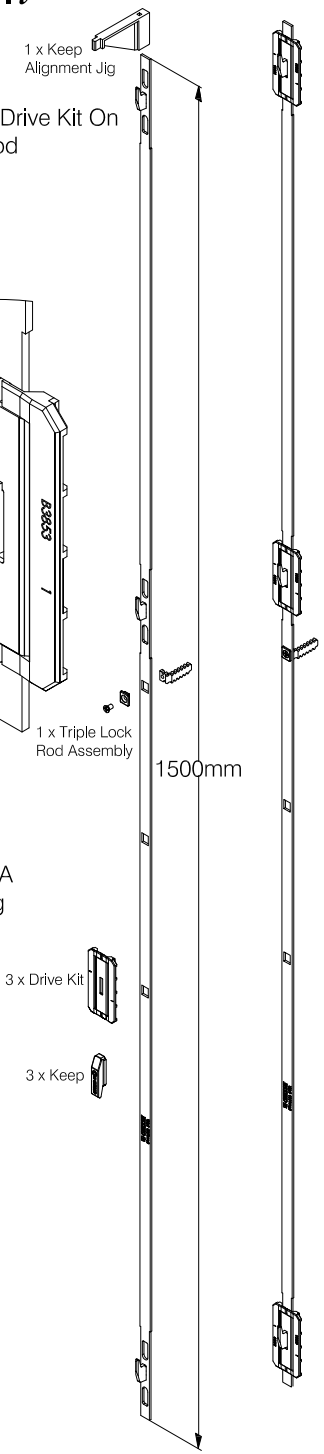
1 Kit Component List

2 Fitting Of The Drive Kit On To Locking Rod

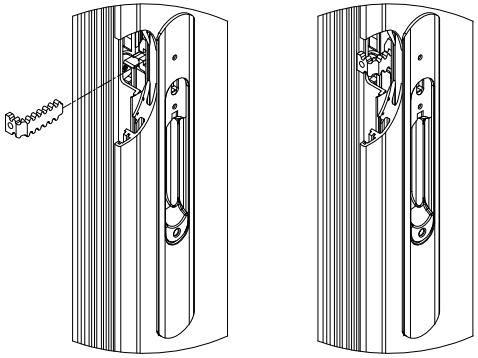
3 Fitting Of The Drive Kit On To Locking Rod

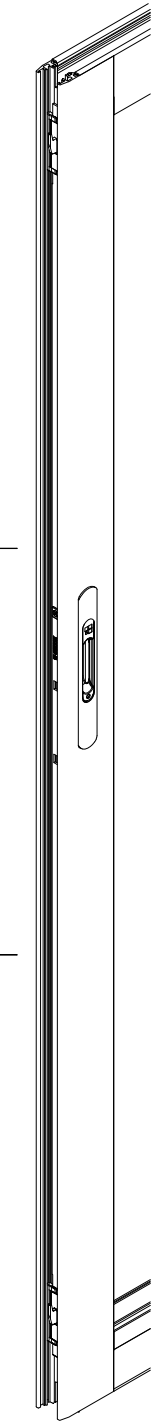


WS542BSVR / WS542EWHT
Flush Pull Handle Has Either A Manual Or Automatic Locking Option

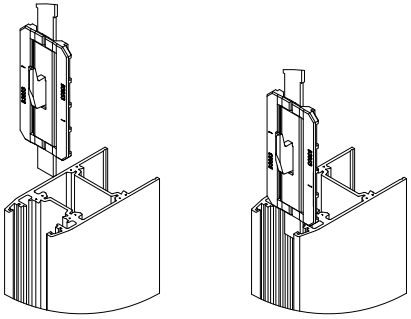


4 Fitting Of Operation Mechanism Between Handle And Locking Rod

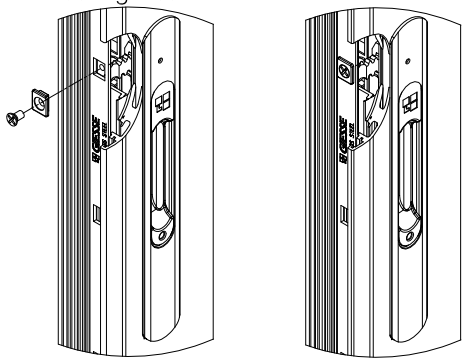




5 Fitting Of Locking Rod



6 Fixing Of Locking Rod To Handle Locking Mechanism

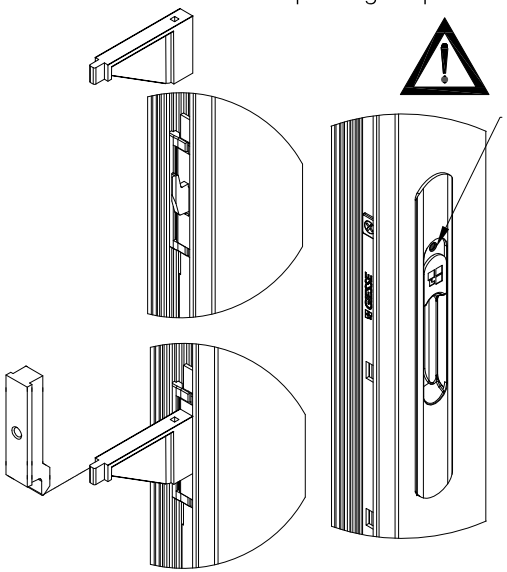


POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 3.21

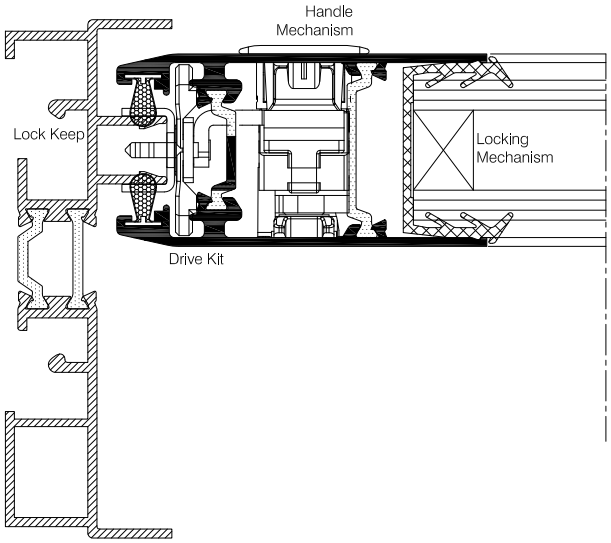
HORIZONTAL SLIDING DOOR
THREE POINT LOCKING MECHANISM ASSEMBLY DETAILS

7 Positioning The Locking Keeps
Slide Keep Positioning Jig On To Each Hook Lock To Position Corresponding Keep



Important: Keep Jig Must Be Fitted When Lock Is In The Open Position

8 Section View Of Hardware Latout



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DRG. No.	C7Pi-HSD-3.21 R2

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TITLE

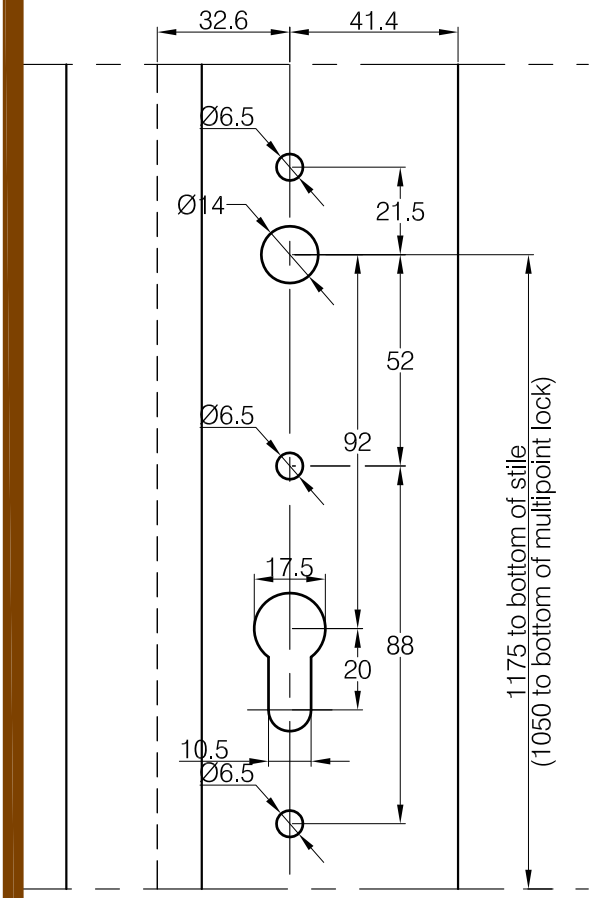
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

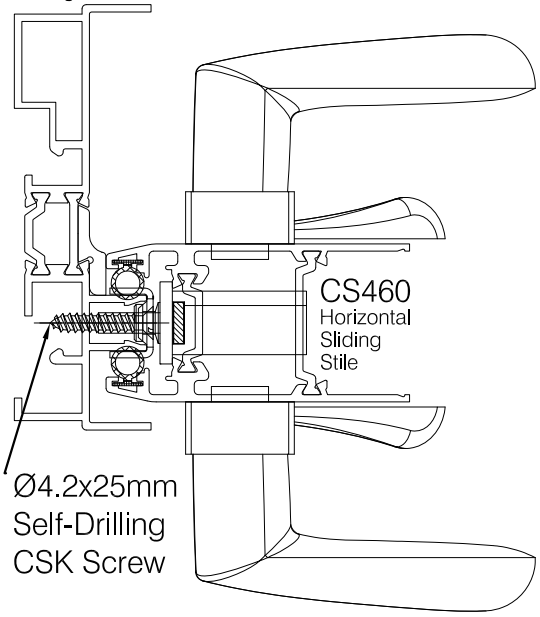
HSD 3.22

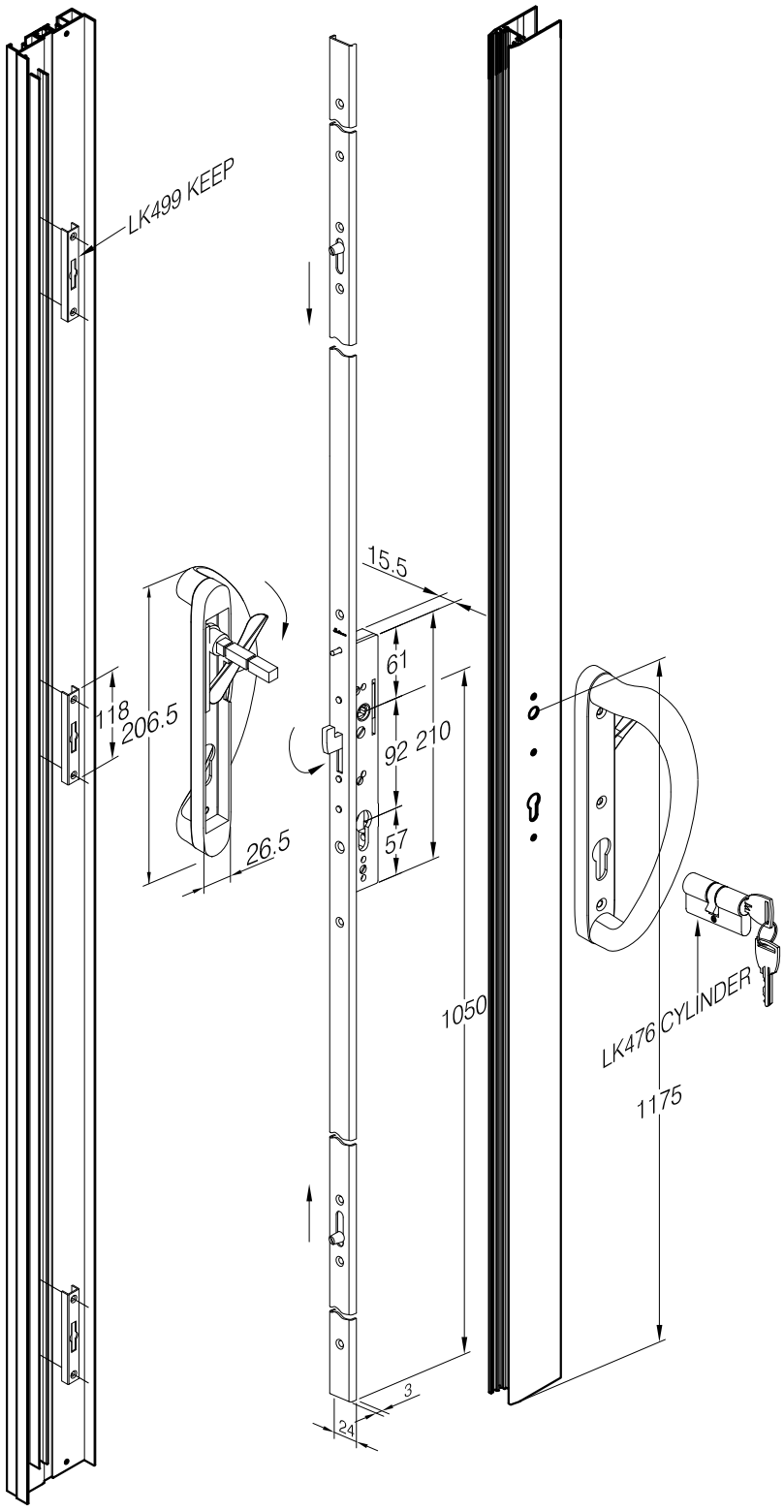
SUB TITLE

HORIZONTAL SLIDING DOOR
MULTIPOINT LOCK LK472XSLF - STILE DETAIL WITH LEVER D HANDLE



CS465
Sliding Window Inside Door Jamb





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comar 7Pi

TITLE

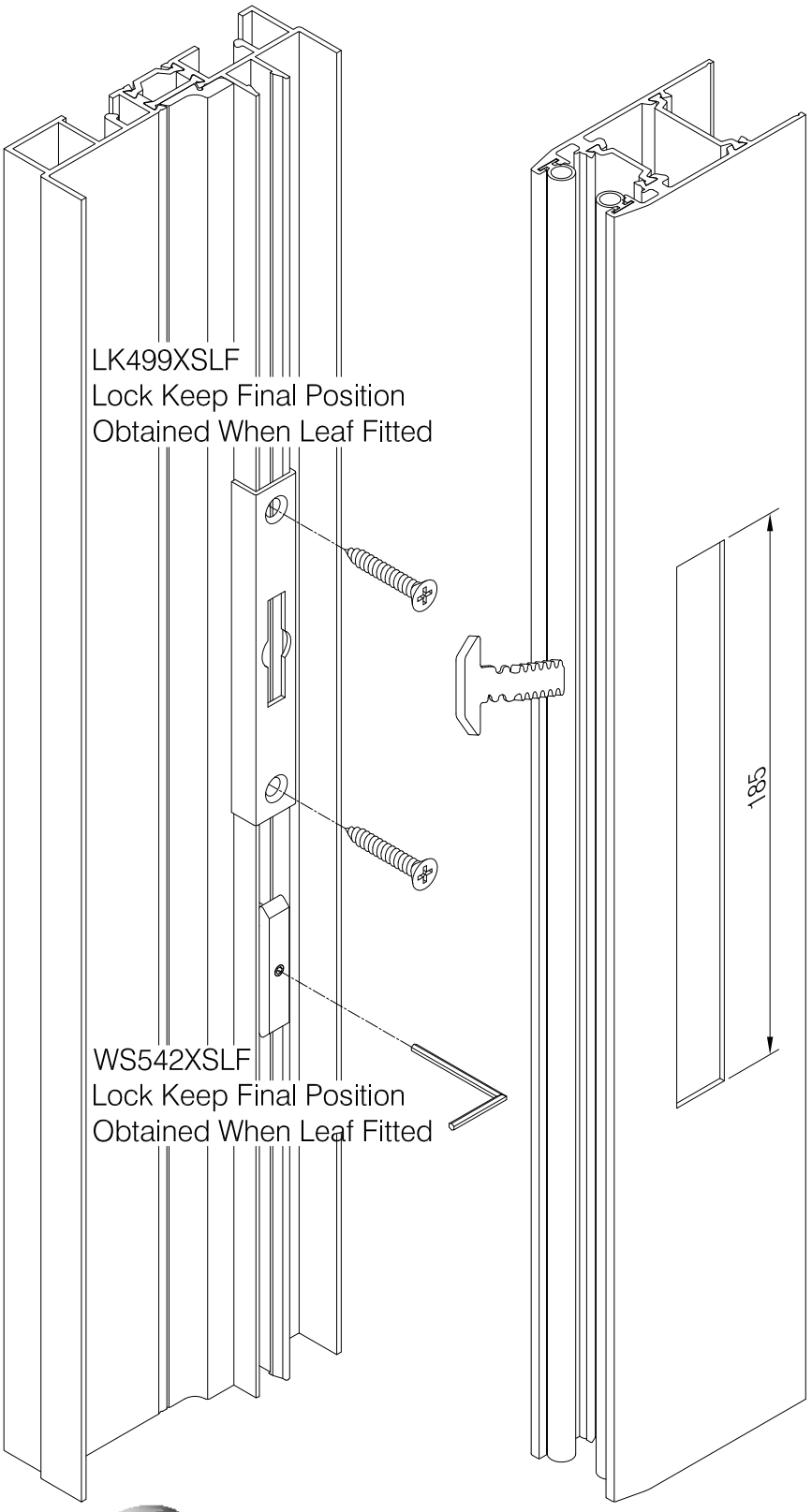
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

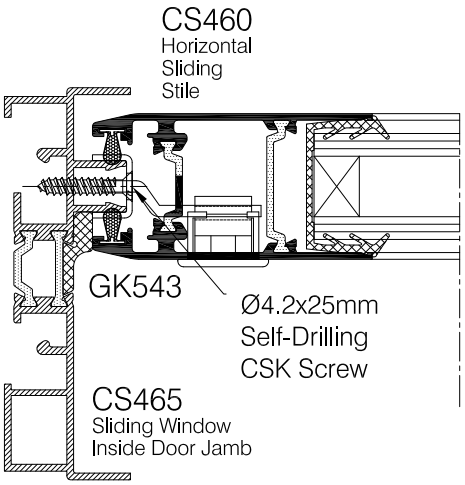
SHEET No.

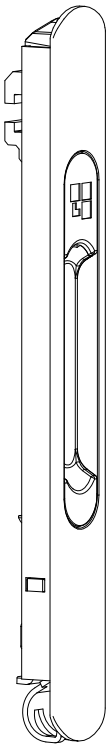
HSD 3.23

SUB TITLE

HORIZONTAL SLIDING DOOR
ASSEMBLY DETAILS - WS542, WS543 OR WS552 HANDLES AND LOCKS







Flush Pull Handle & Lock

Please Note... Fitting this handle is a once only fitting as removal will damage the profile. Ensure the door is completely satisfactory prior to fitment.

Insert Bottom Part Of Handle Into Door Then To Clip Home Press Hard On The Top Part

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TITLE

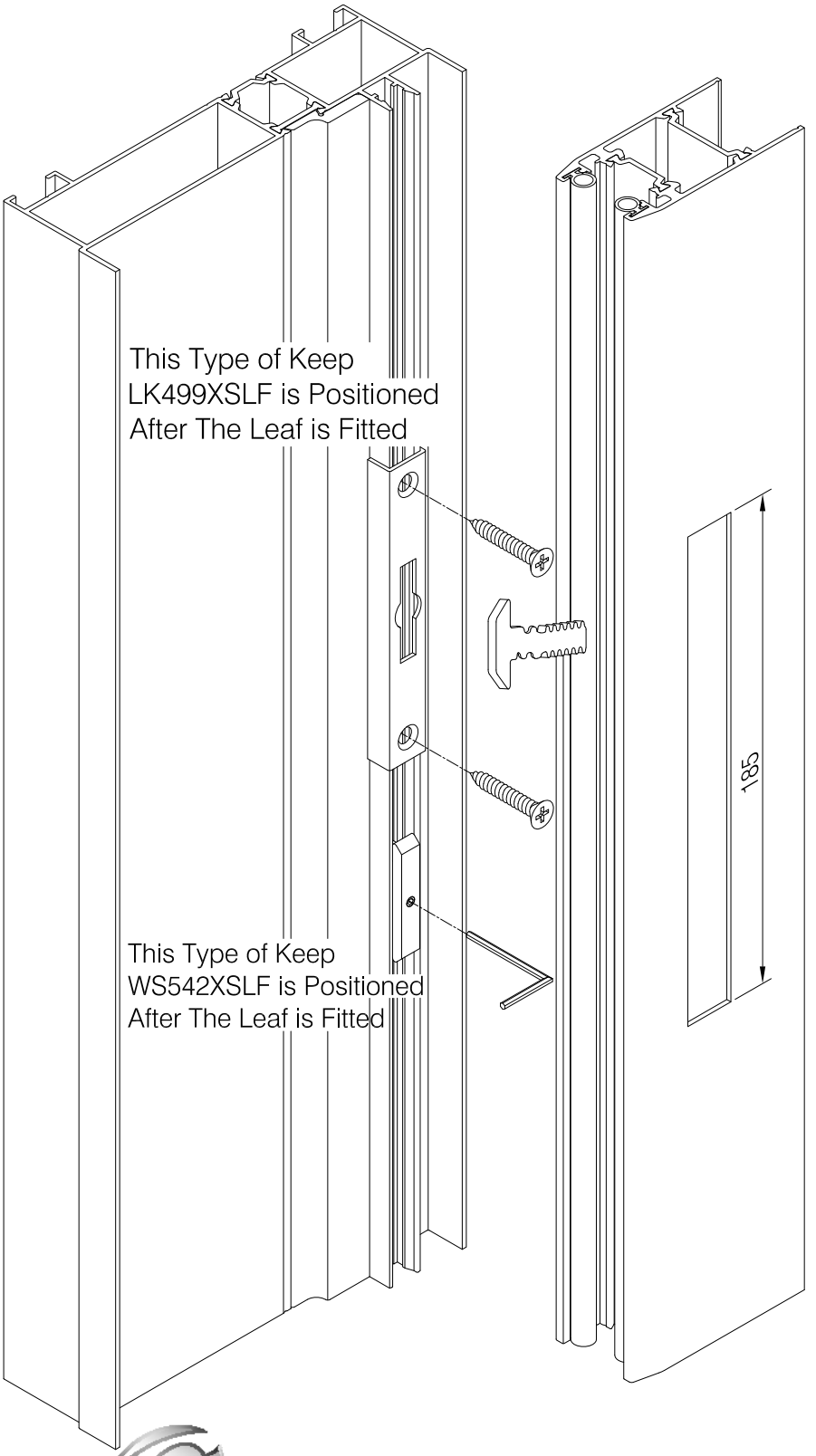
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

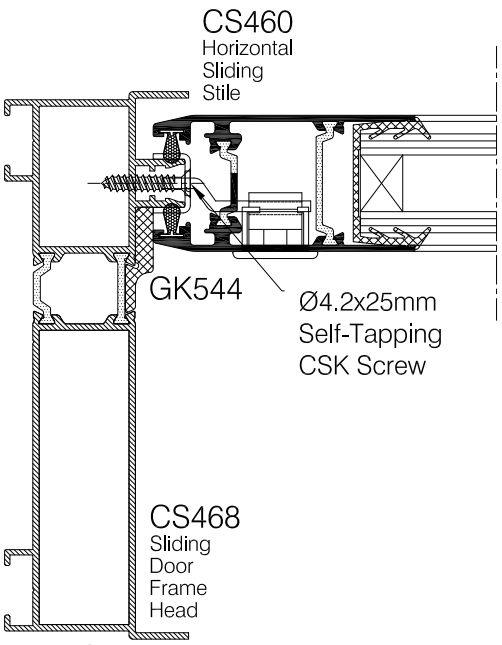
SHEET No.

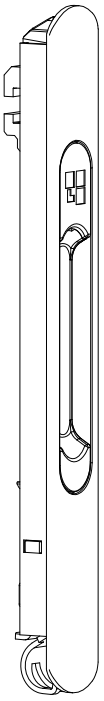
HSD 3.24

SUB TITLE

HORIZONTAL SLIDING DOOR
ASSEMBLY DETAILS - WS542, WS543 OR WS552 HANDLES AND LOCKS







Flush Pull Handle
& Lock

Please Note...
Fitting this handle
is a once only
fitting as removal
will damage the
profile. Ensure the
door is completely
satisfactory prior
to fitment.

Insert Bottom Part Of Handle Into
Door Then To Clip Home Press
Hard On The Top Part

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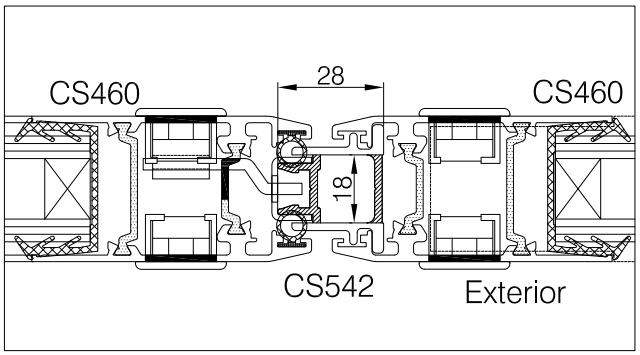
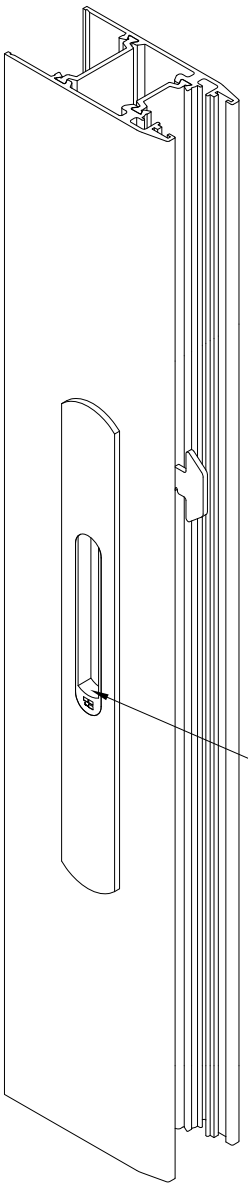
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

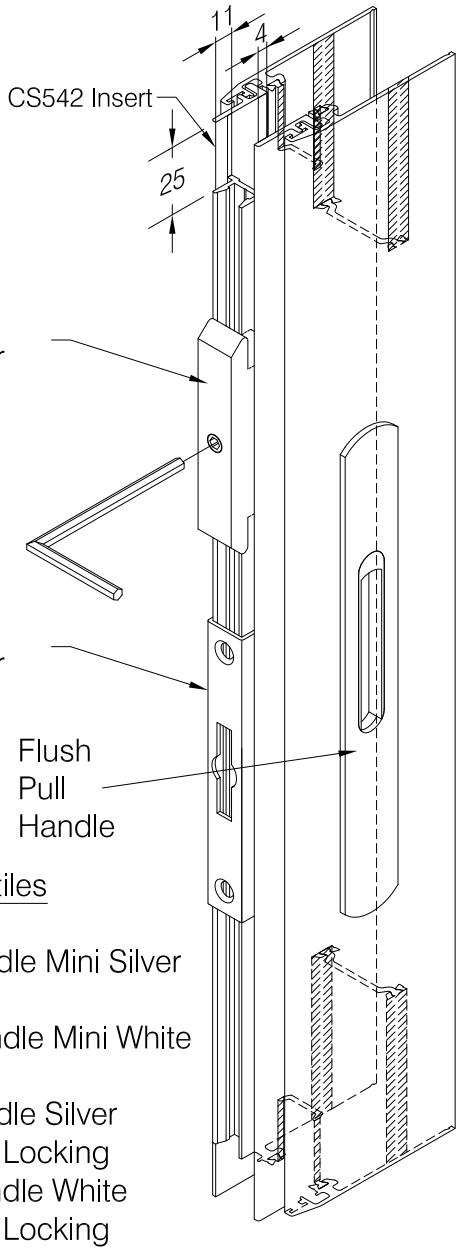
SHEET No.
HSD 3.25

SUB TITLE
HORIZONTAL SLIDING DOOR
ASSEMBLY DETAILS - LEAF MEETING STILES LOCKING INSERT DETAIL



Top & Bottom
Rail Cutout





WS542XSLF
Final Position of Lock
Keeps Determined After
Door Is Aligned.

LK499XSLF
Final Position of Lock
Keeps Determined After
Door Is Aligned.

Flush Pull
Handle Lock

Flush
Pull
Handle

Lock Options For Meeting Stiles

WS541BSVR Flush Pull Handle Mini Silver
Automatic Locking
WS541EWHT Flush Pull Handle Mini White
Automatic Locking
WS542BSVR Flush Pull Handle Silver
Automatic Or Manual Locking
WS542EWHT Flush Pull Handle White
Automatic Or Manual Locking

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TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

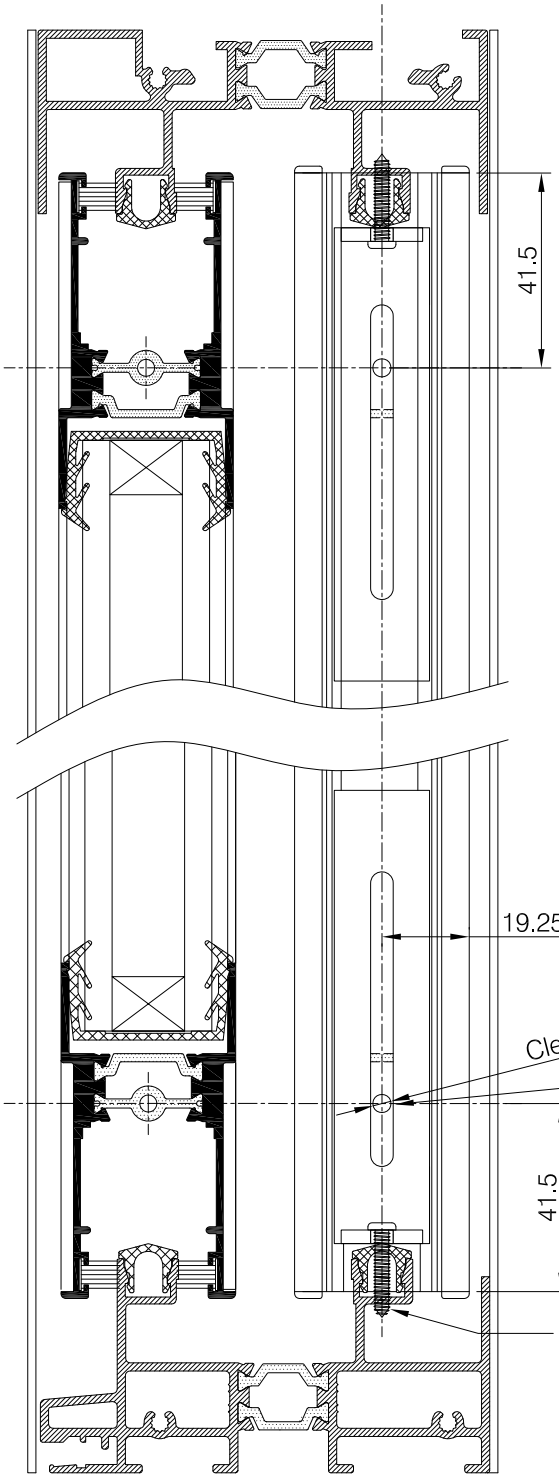
SHEET No.

HSD 3.26

SUB TITLE

HORIZONTAL SLIDING DOOR
FIXED LEAF FIXING BRACKET

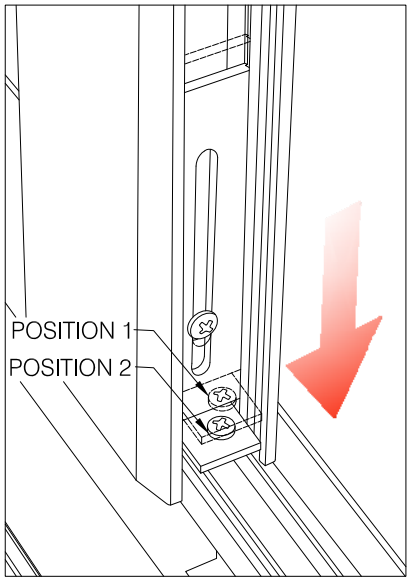
Note:
Bracket Fitted To Top And Bottom Of Fixed Leaf.



Fitting Fixed Leaf Brackets (NC460XSLF):

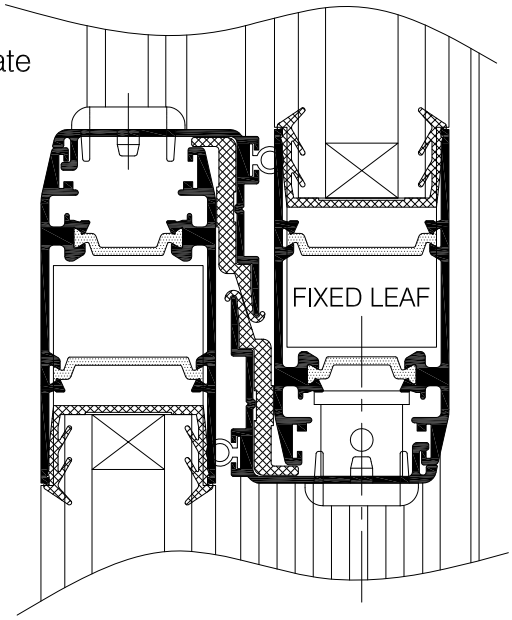
1) Fit Brackets To Interlock Stile When Leaf Is Fabricated Using Clearance Holes As Fixing Points.

2) When Fitting Brackets Fix Loosely In **POSITION 1** Prior To Fitting



3) Position Fixed Leaf Into Outer Frame, Slide Brackets To **POSITION 2** And fix Through Into The Track To Secure The Leaf.

4) Fit Interlock Profiles And Install Sliding Leafs And Foot Plate As Normal



Note:
Only Lower Track And Bracket Shown For Clarity.
Detail Also Applies To Upper Track And Bracket.

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TITLE

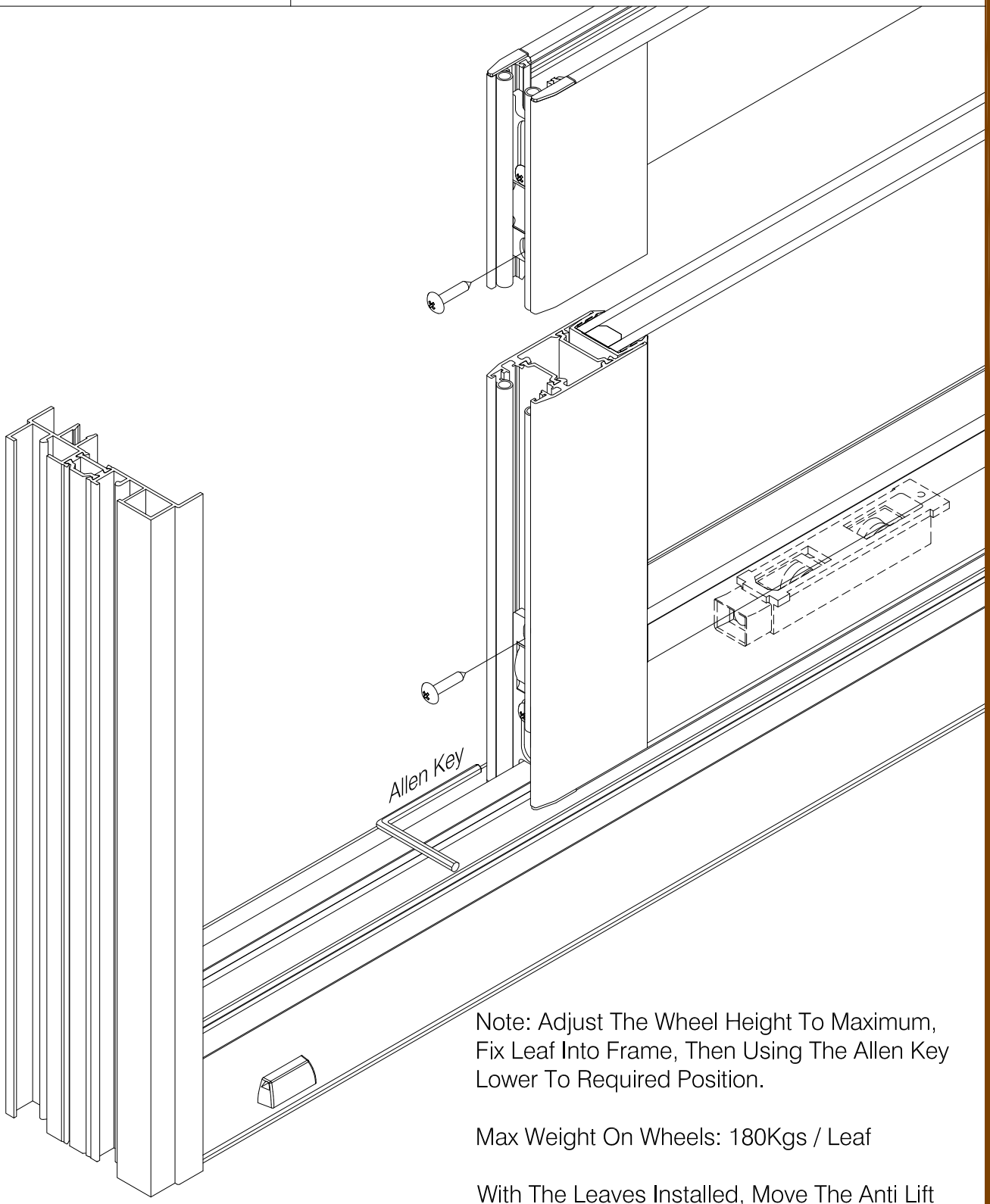
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 3.27

SUB TITLE

HORIZONTAL SLIDING DOOR
ASSEMBLY DETAILS - SLIDING WHEEL ADJUSTMENT



Note: Adjust The Wheel Height To Maximum, Fix Leaf Into Frame, Then Using The Allen Key Lower To Required Position.

Max Weight On Wheels: 180Kgs / Leaf

With The Leaves Installed, Move The Anti Lift Buffers To Close And Secure Using The Four Ø4.8 x 12mm Screws From WS768XSLF Pack.

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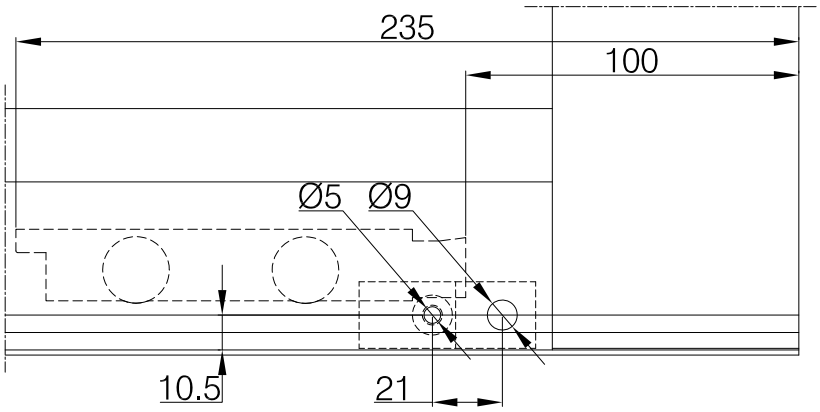
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

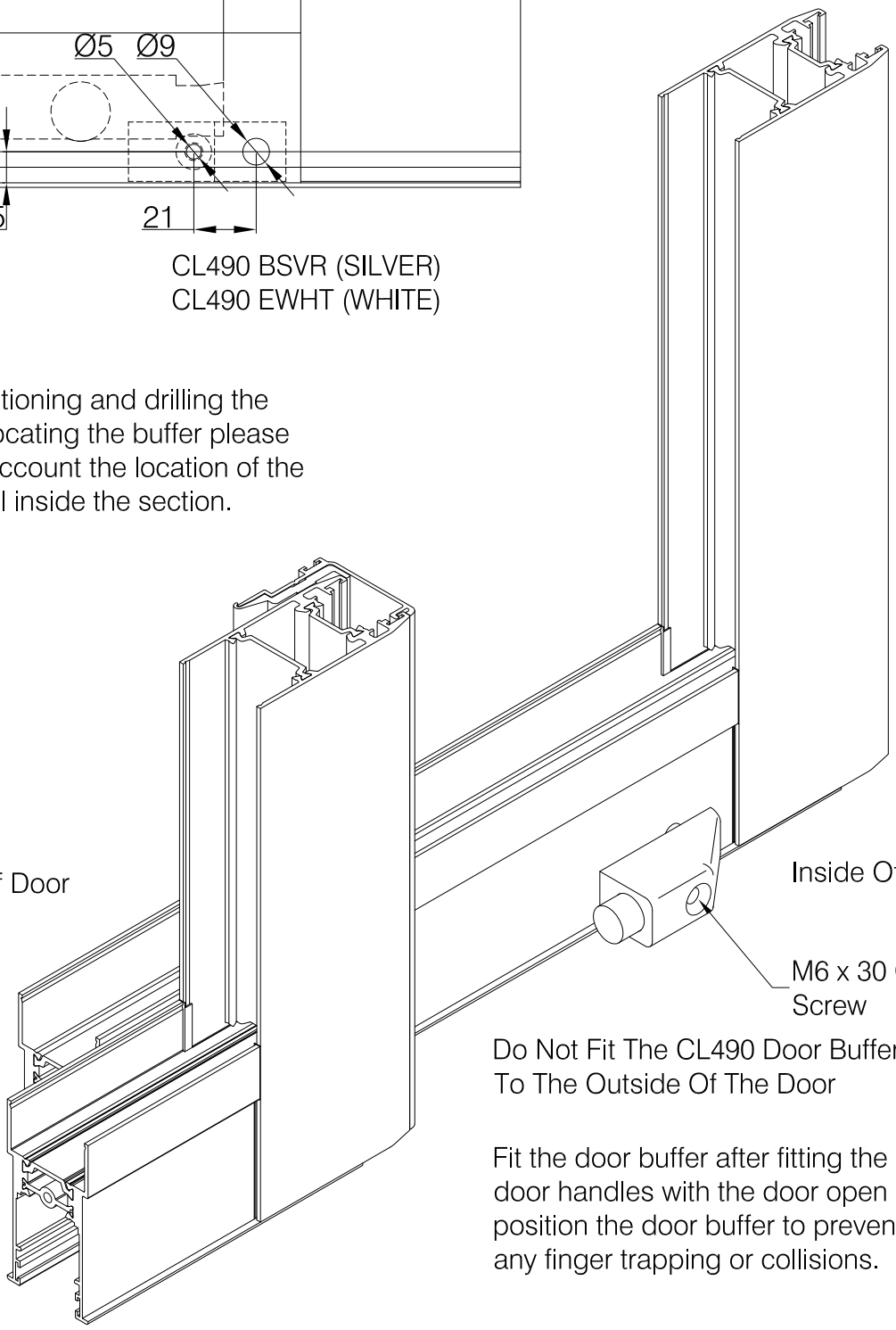
SHEET No.
HSD 3.28

SUB TITLE
HORIZONTAL SLIDING DOOR
CL490 DOOR BUFFER (RESTRICTOR FITTED TO LEFT)



CL490 BSVR (SILVER)
CL490 EWHT (WHITE)

When positioning and drilling the holes for locating the buffer please take into account the location of the door wheel inside the section.



Do Not Fit The CL490 Door Buffer To The Outside Of The Door

Fit the door buffer after fitting the door handles with the door open position the door buffer to prevent any finger trapping or collisions.

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TITLE

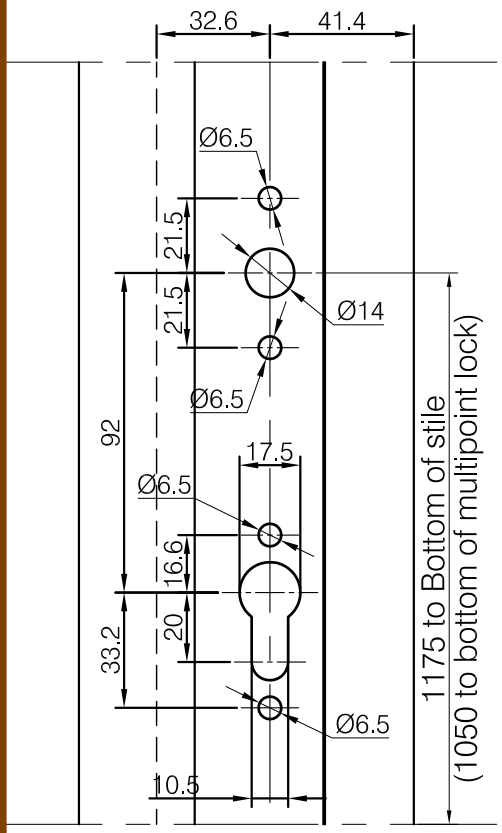
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

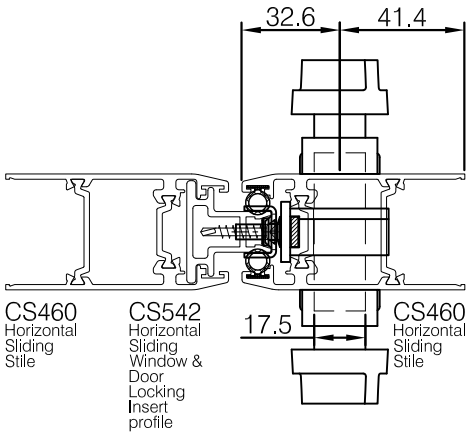
SHEET No.

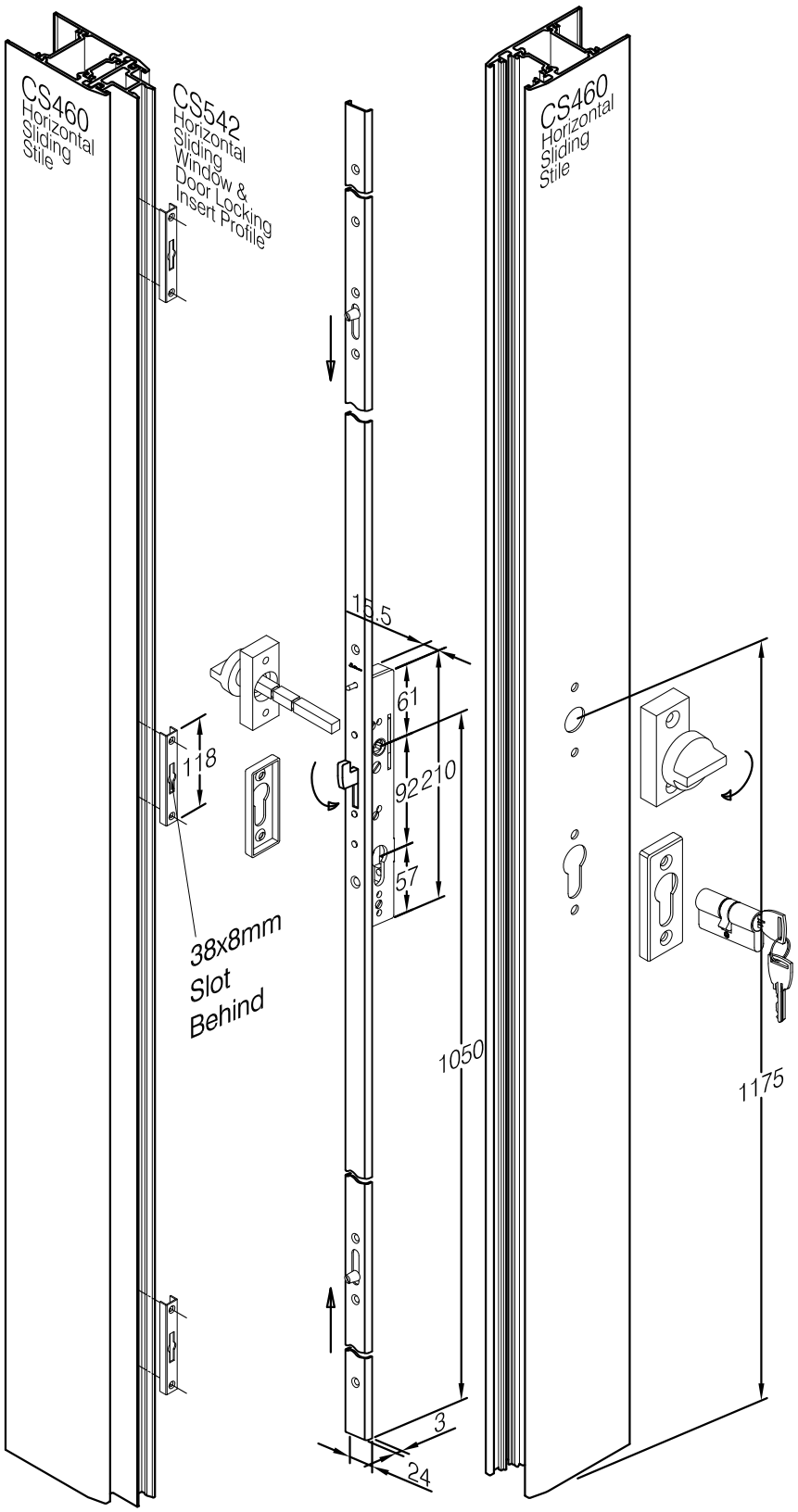
HSD 3.29

SUB TITLE

HORIZONTAL SLIDING DOOR
MULTIPOINT LOCK - MEETING STILE DETAIL WITH THUMB TURN







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TITLE

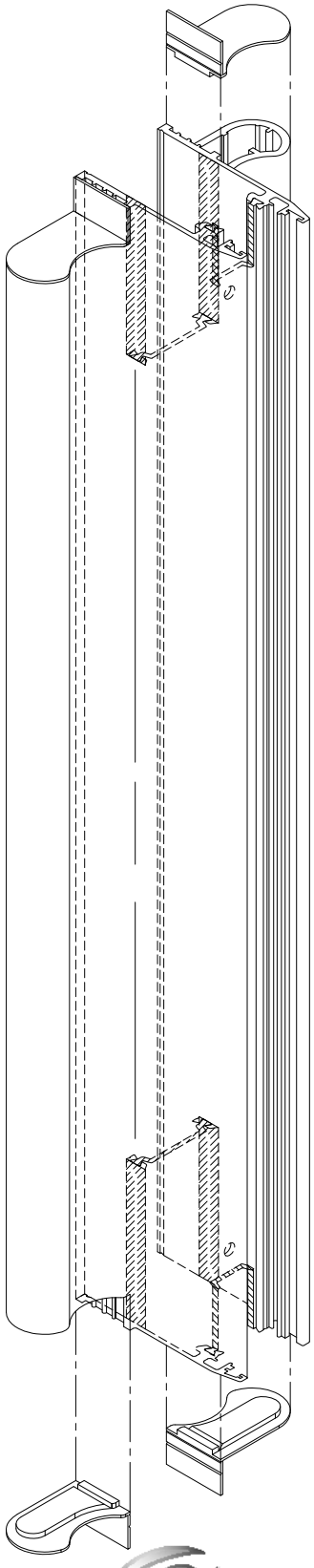
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

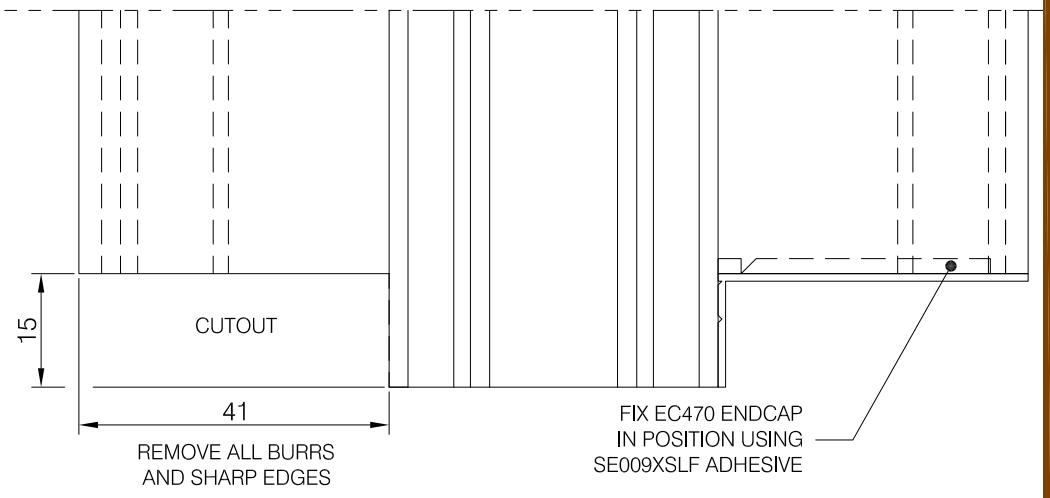
SHEET No.

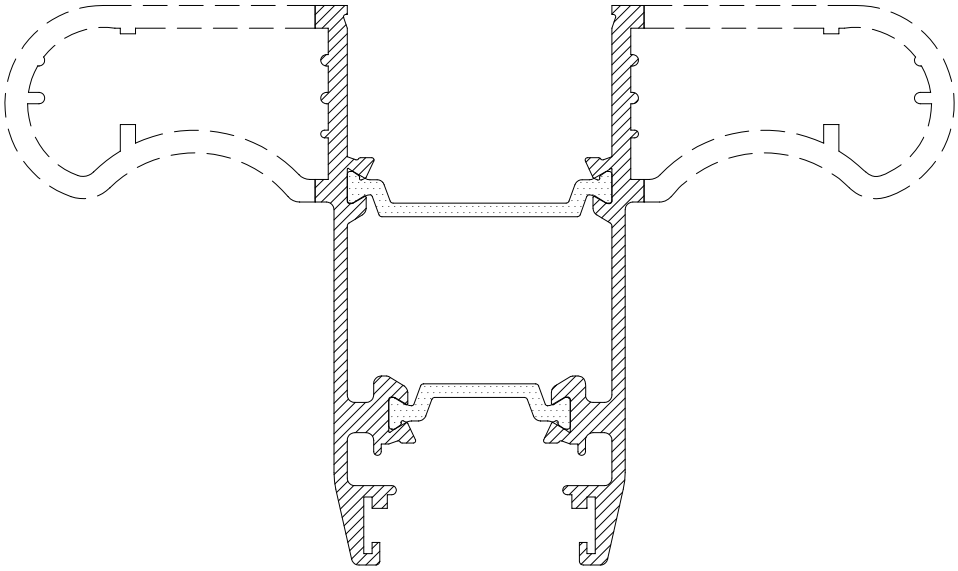
HSD 3.30

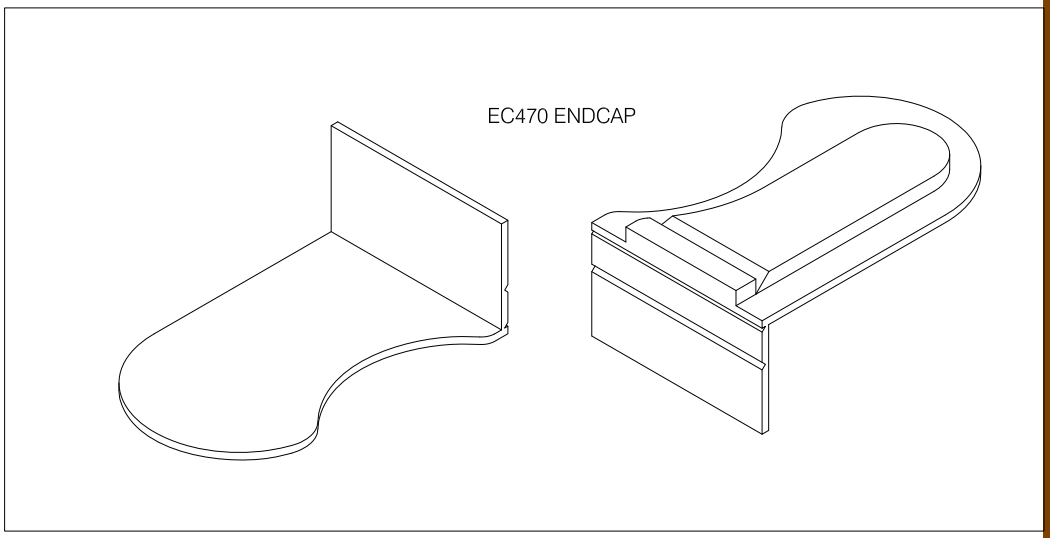
SUB TITLE

HORIZONTAL SLIDING DOORS
EC470 ENDCAP PREP TYPE 1 FOR CS470 & CS480









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TITLE

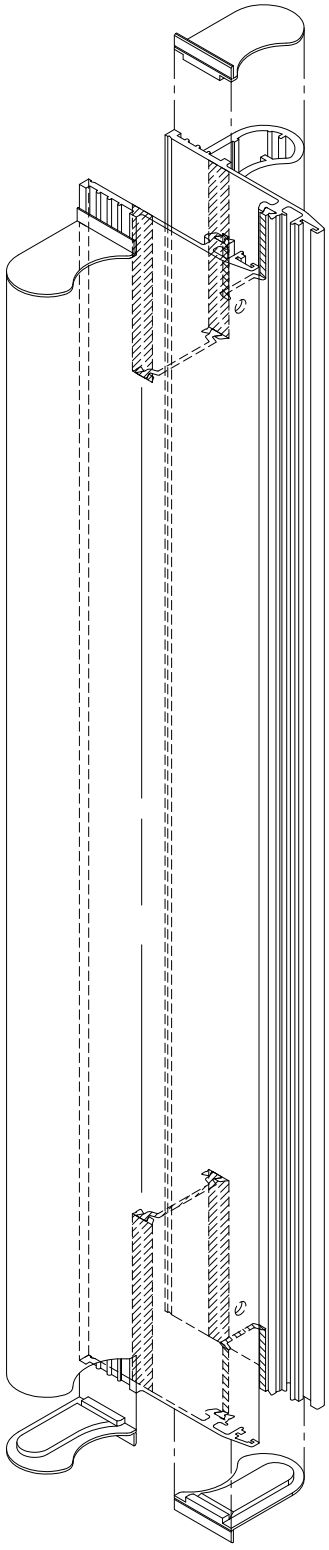
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

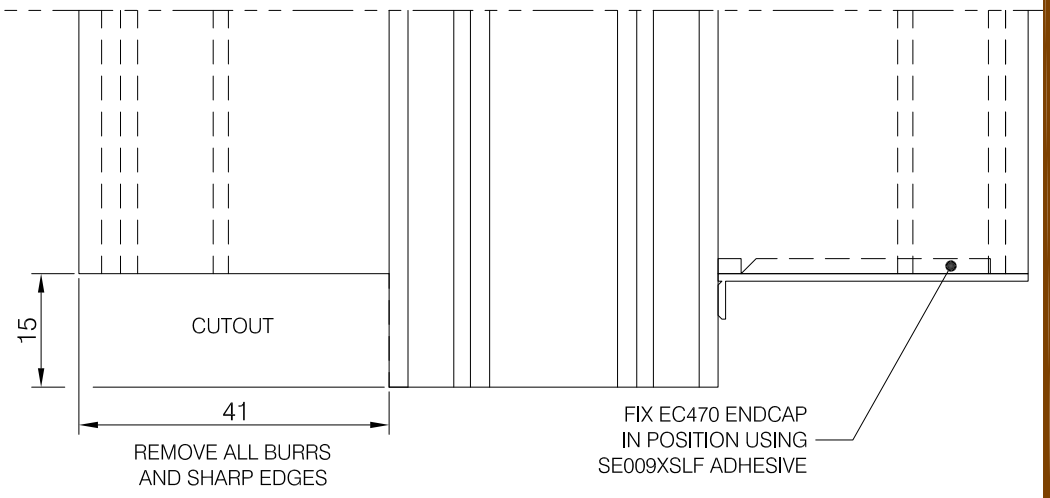
SHEET No.

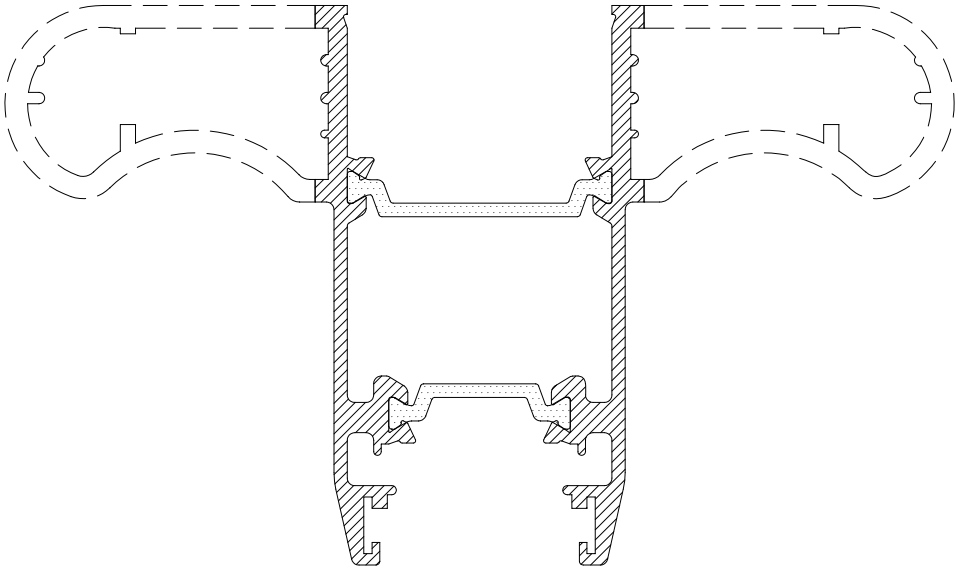
HSD 3.31

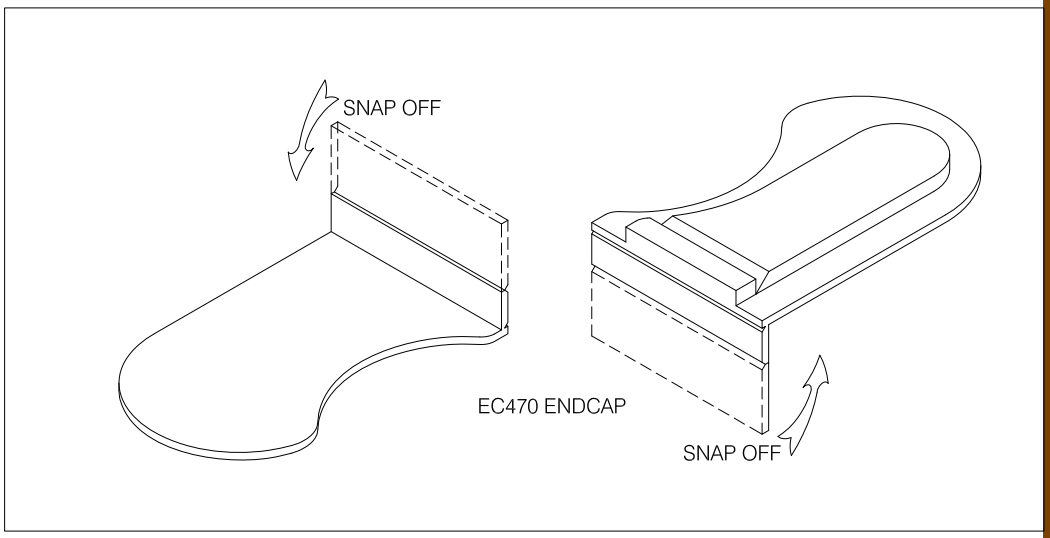
SUB TITLE

HORIZONTAL SLIDING DOORS
EC470 ENDCAP PREP TYPE 2 FOR CS470 & CS480









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SCALE	1:1 @ A4
DATE	05–05–2009
DRAWN	DGN / CAD
DRG. No.	C7Pi–HSD–3.31 R0

comar 7Pi

TITLE

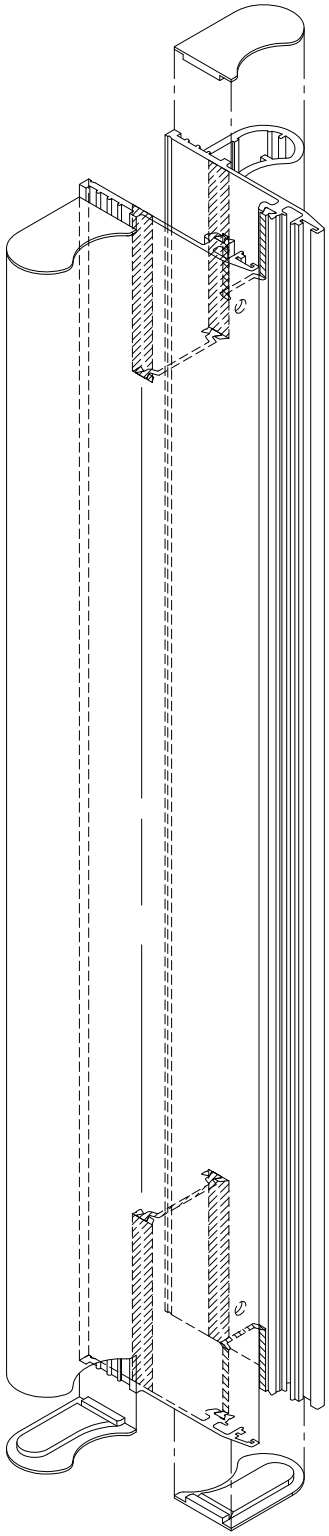
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

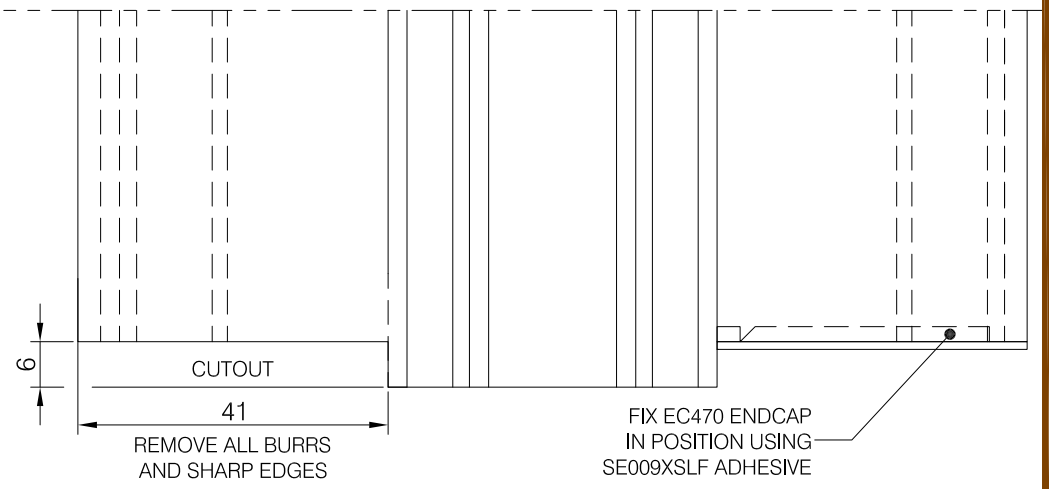
SHEET No.

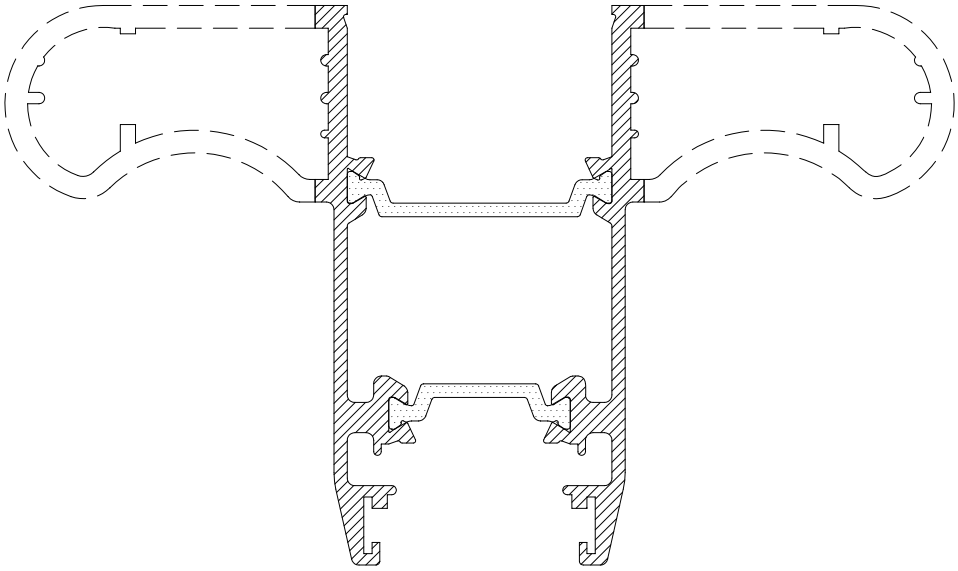
HSD 3.32

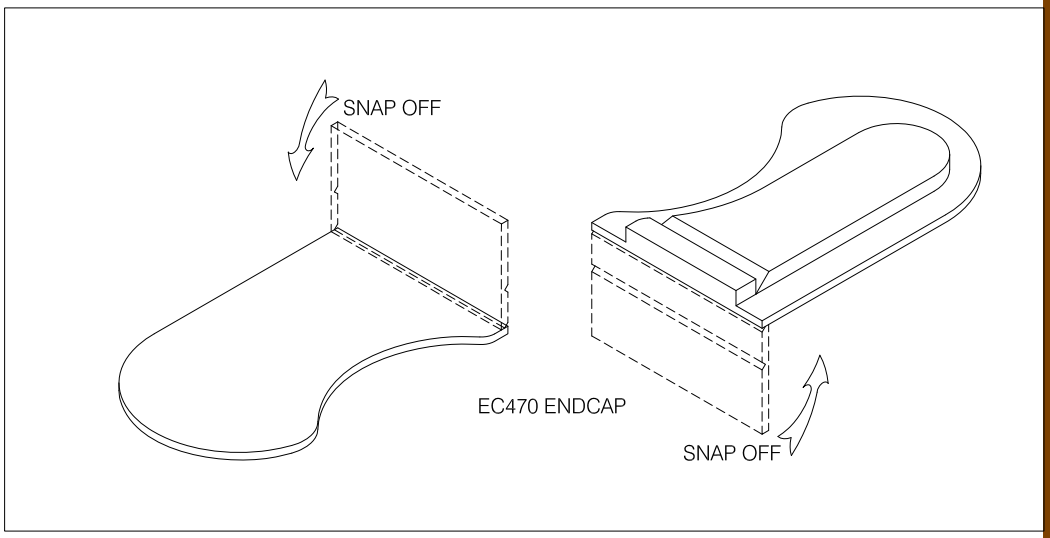
SUB TITLE

HORIZONTAL SLIDING DOORS
EC470 ENDCAP PREP TYPE 3 FOR CS470 & CS480









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DATE	05–05–2009
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DRG. No.	C7Pi–HSD–3.32 R0

comar 7Pi

TITLE

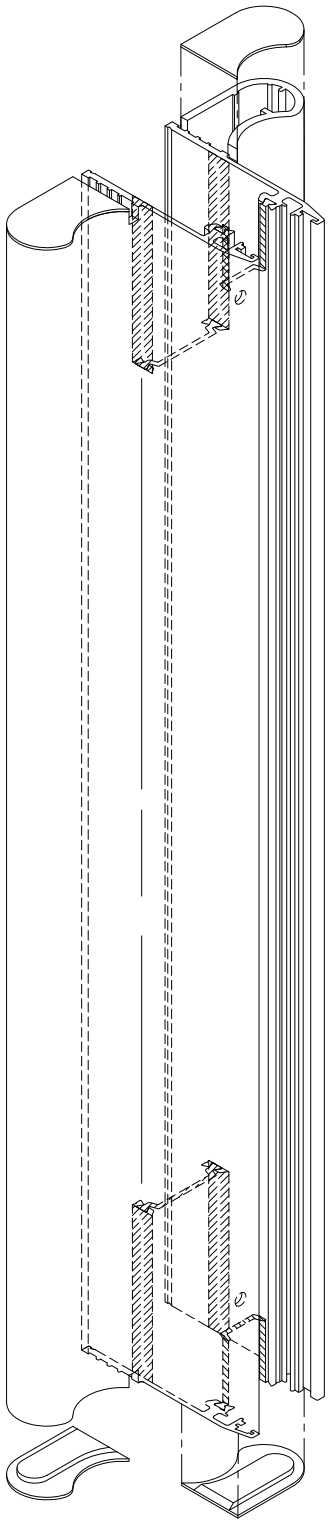
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

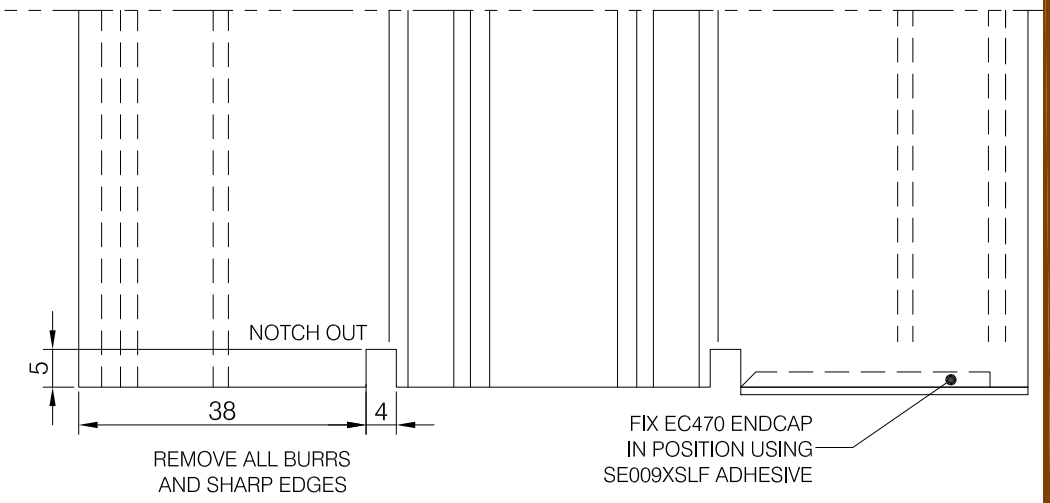
SHEET No.

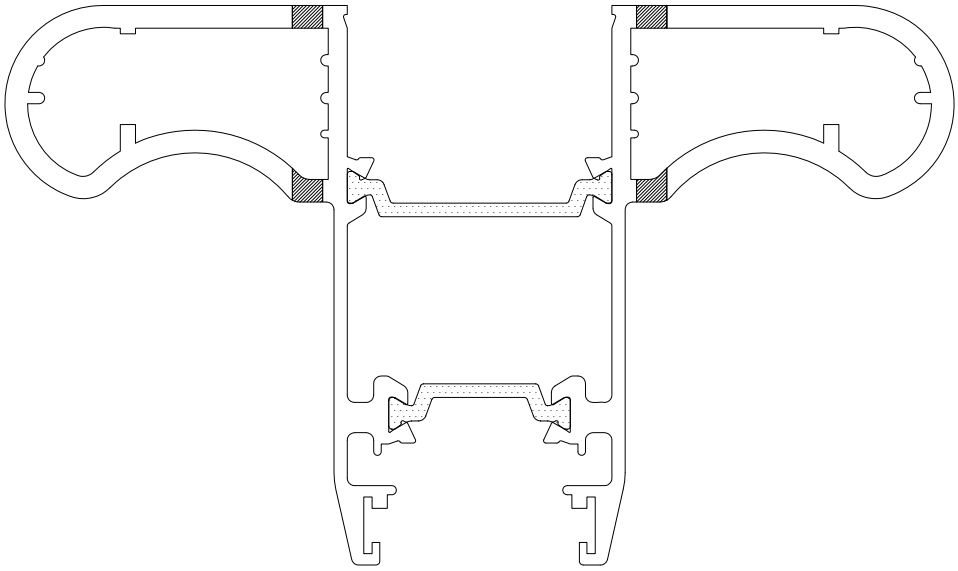
HSD 3.33

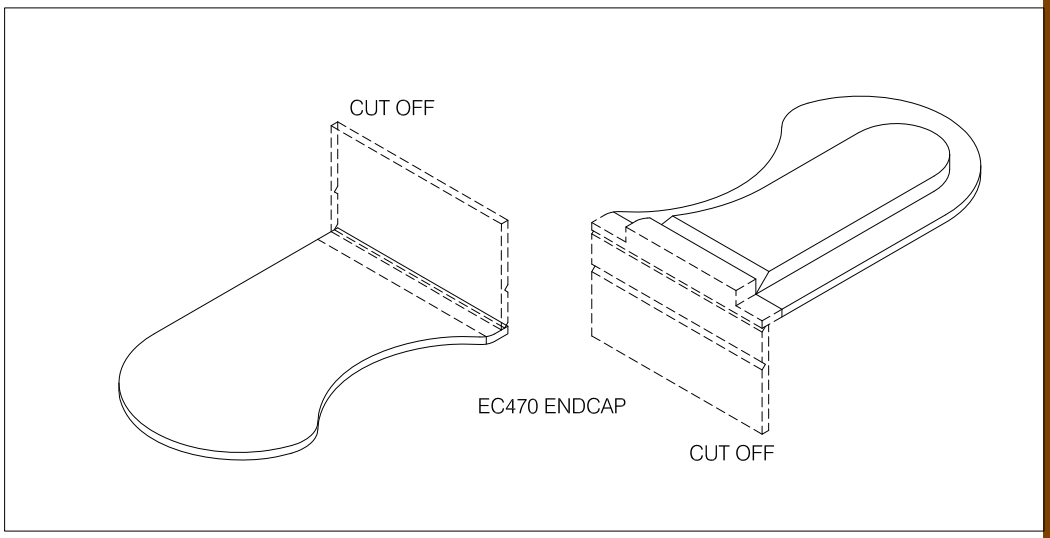
SUB TITLE

HORIZONTAL SLIDING DOORS
EC470 ENDCAP PREP TYPE 4 FOR CS470 & CS480









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TITLE

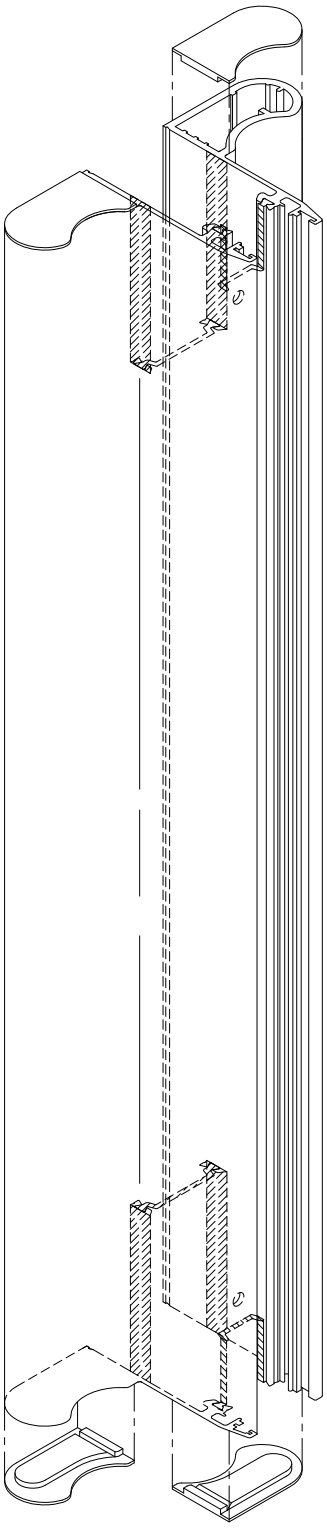
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

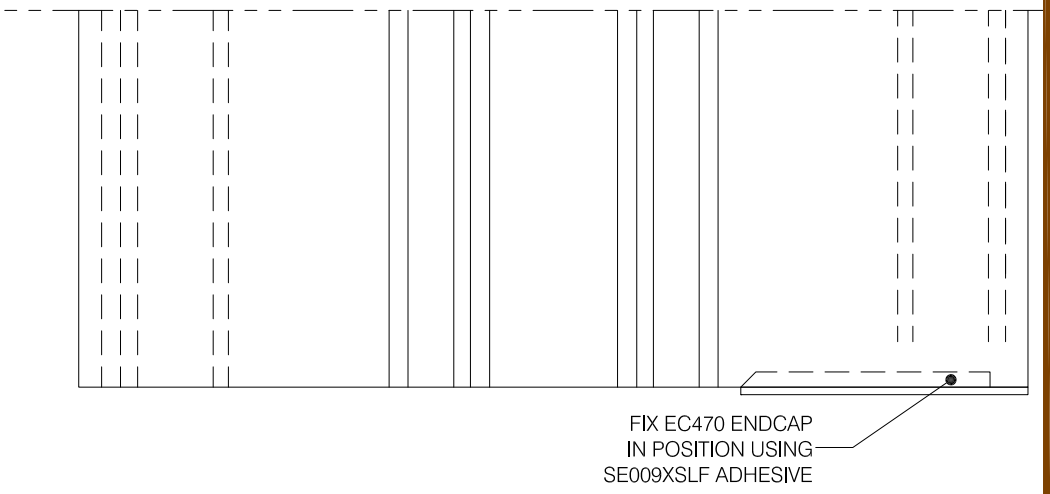
SHEET No.

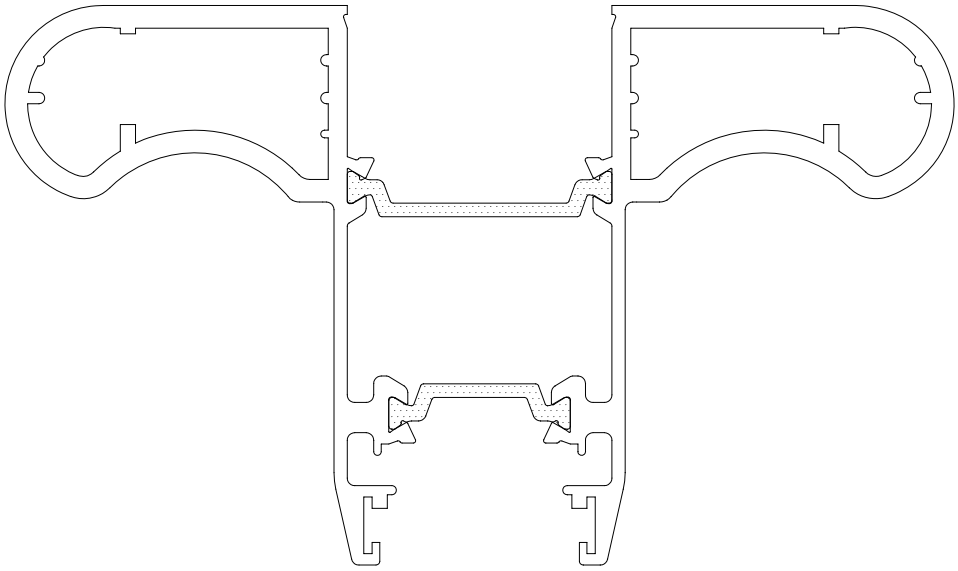
HSD 3.34

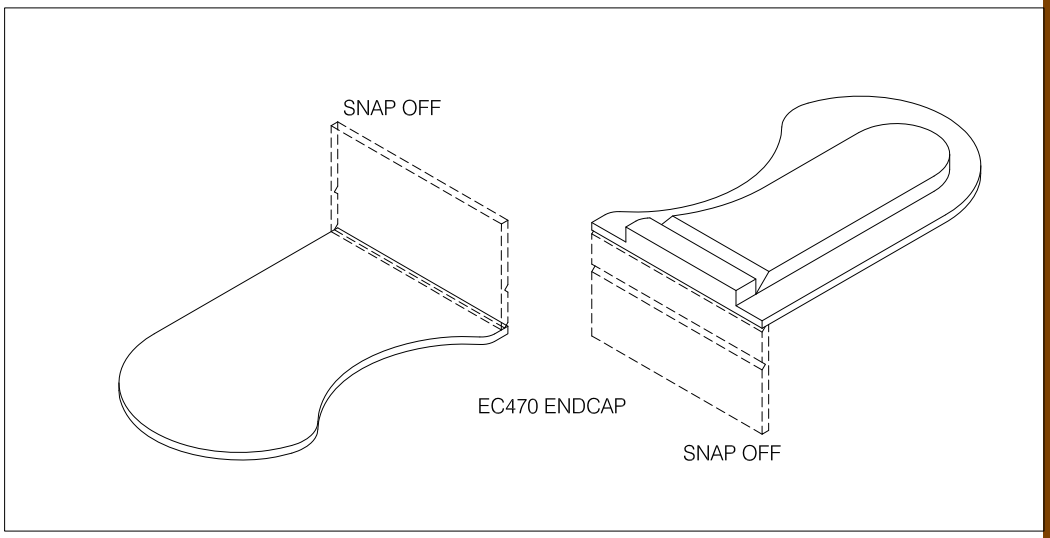
SUB TITLE

HORIZONTAL SLIDING DOORS
EC470 ENDCAP PREP TYPE 5 FOR CS470 & CS480









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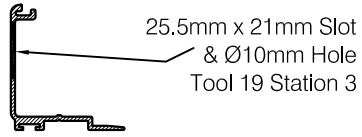
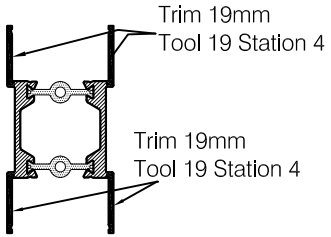
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 4.01

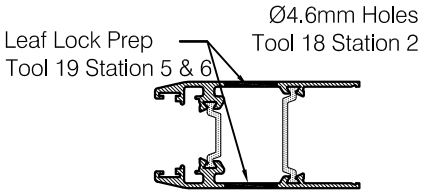
HORIZONTAL SLIDING DOOR
PUNCH TOOLING BROADSHEET



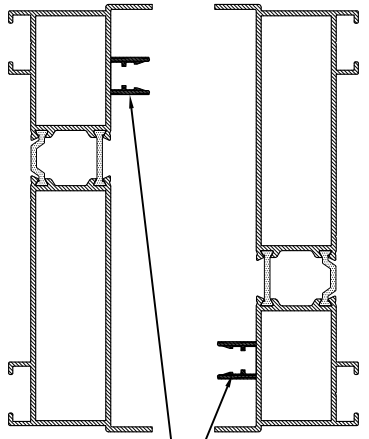
CS452
Horizontal Slider Leaf Interlock

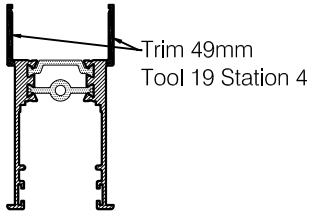


CS457
Horizontal Sliding Leaf Midrail

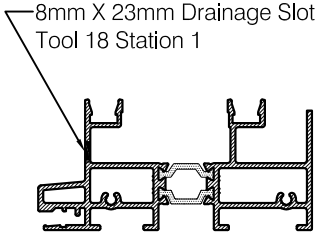


CS460, CS470 OR CS480
Horizontal Sliding Leaf Stile

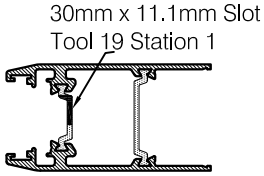




CS461
Horizontal Sliding Leaf Rail



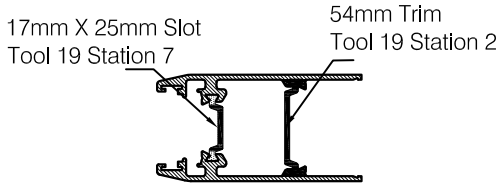
CS474
2 Track Sliding Door Sill



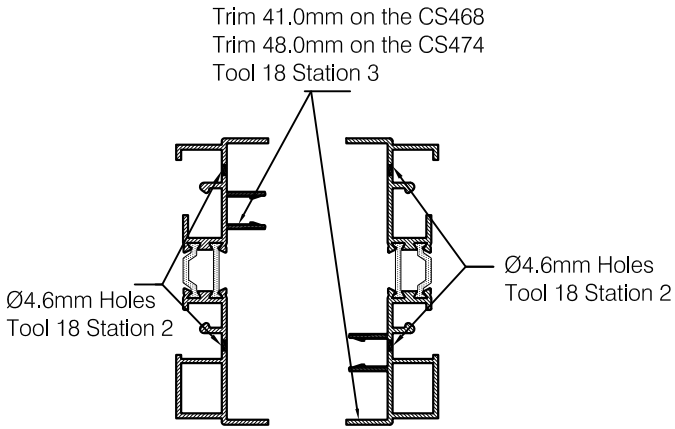
CS460, CS470 OR CS480
Horizontal Sliding Leaf Stile

CS478
3 Track
Sliding Door Frame
Non Handed Jamb

Trim 52.5mm on the CS477
Trim 48.0mm on the CS479
Tool 18 Station 3

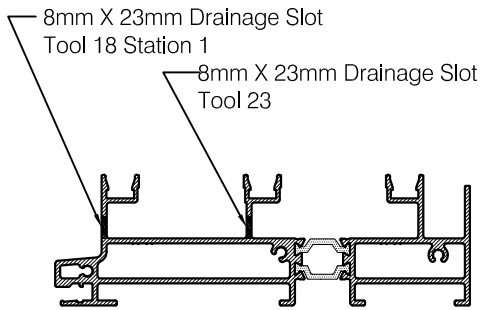


CS460, CS470 OR CS480
Horizontal Sliding Leaf Stile



CS465
2 Track
Sliding Door Frame Inside Track
Jamb

CS466
2 Track
Sliding Door Frame Outside
Track Jamb



CS479
3 Track Sliding Door Sill

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SCALE	NTS @A4
DATE	18/09/08
DRAWN	GMS/OP
DRG. No.	C7Pi–HSD–4.01 R1

comar 7Pi

TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 5.01

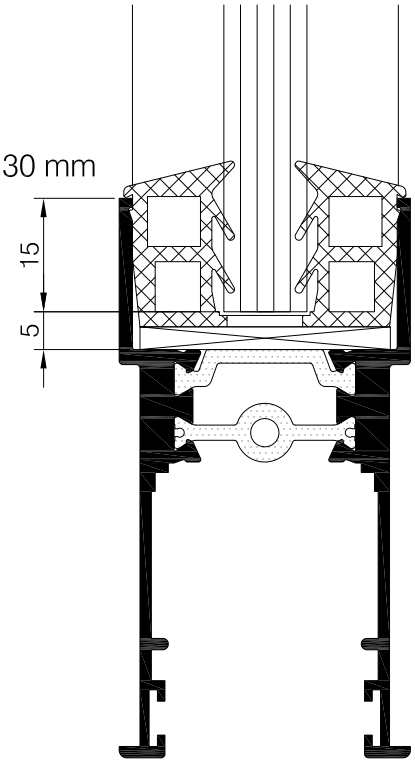
SUB TITLE

HORIZONTAL SLIDING DOOR
GLAZING OPTIONS 10mm - 12mm GK410 GASKET

Single Glazed Sliding Door

GK410XSLF	10 - 12 mm

Glass Size = Sight Size + 30 mm



Sight Line

CS461
Horizontal
Sliding Rail

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SCALE	1:1 @ A4
DATE	18-09-2008
DRAWN	GMS / DGN
DRG. No.	C7Pi-HSD-5.01 R1

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TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 5.02

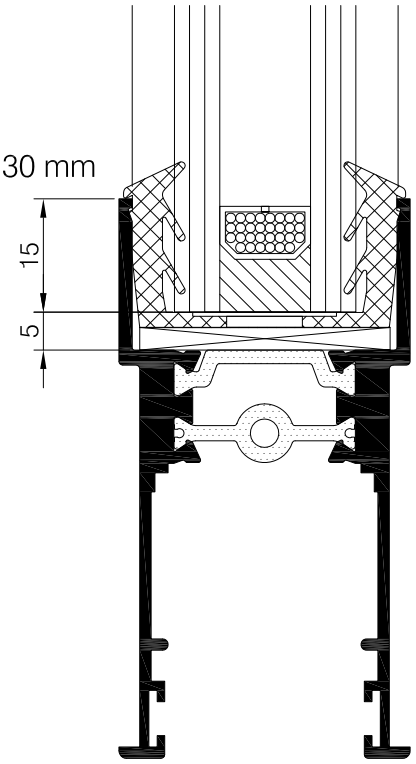
SUB TITLE

HORIZONTAL SLIDING DOOR
GLAZING OPTIONS 23mm - 25mm GK424 GASKET

Double Glazed Sliding Door

GK424XSLF | 23 - 25 mm

Glass Size = Sight Size + 30 mm



Sight Line

CS461
Horizontal
Sliding Rail

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DATE	18-09-2008
DRAWN	GMS / DGN
DRG. No.	C7PI-HSD-5.02 R1

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TITLE

POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 5.03

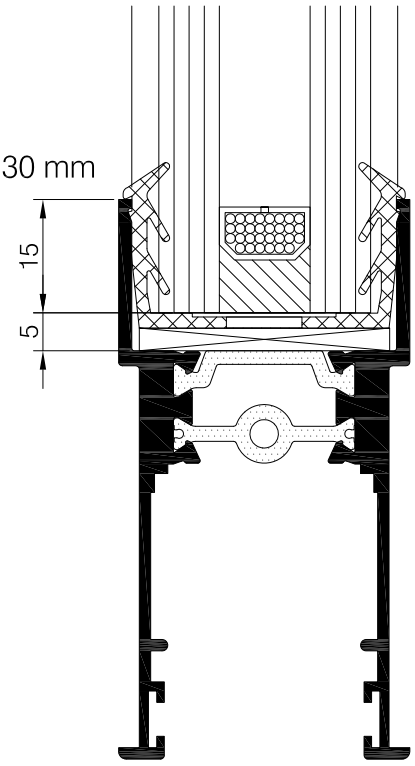
SUB TITLE

HORIZONTAL SLIDING DOOR
GLAZING OPTIONS 27mm - 29mm GK428 GASKET

Double Glazed Sliding Door

GK428XSLF | 27 - 29 mm

Glass Size = Sight Size + 30 mm



Sight Line

CS461
Horizontal
Sliding Rail

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DRG. No.	C7Pi–HSD–5.03 R1

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TITLE

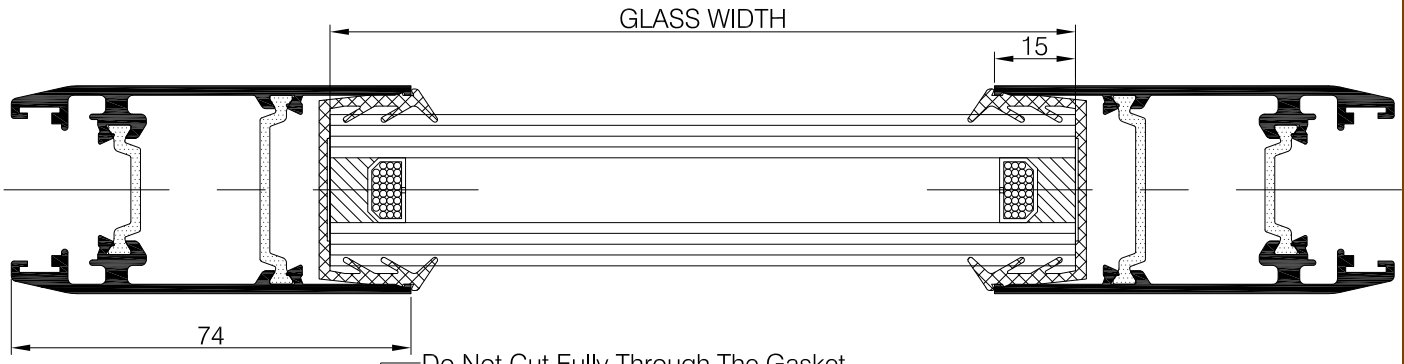
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

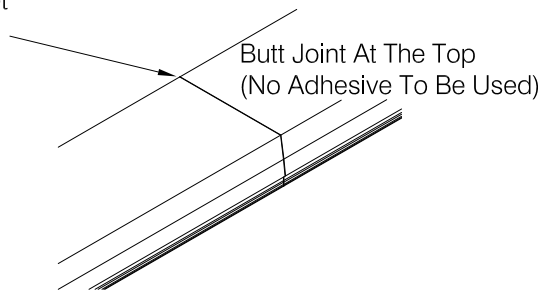
HSD 5.04

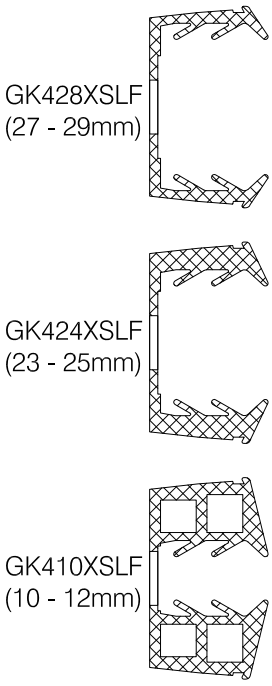
SUB TITLE

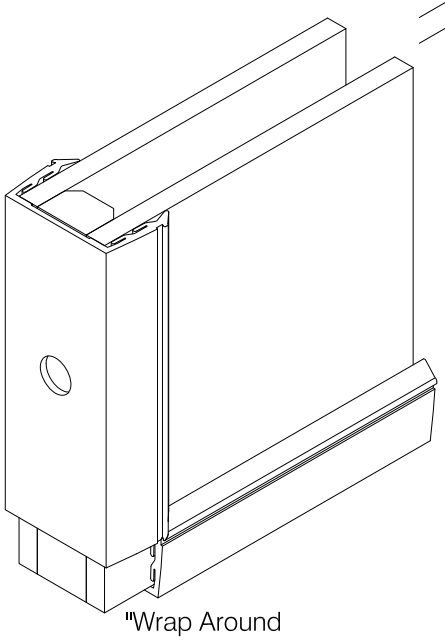
HORIZONTAL SLIDING DOOR
CORNER PREPARATIONS AND DRAINAGE PREP



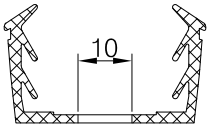
Apply Cut 16mm In From Either End Of The Glass Unit To Achieve A "Wrap Around" Corner And Butt Join The Gasket At The Top Of The Unit To Achieve Perimeter Gasket Seal.







"Wrap Around Corner Prep"



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comar 7Pi

TITLE

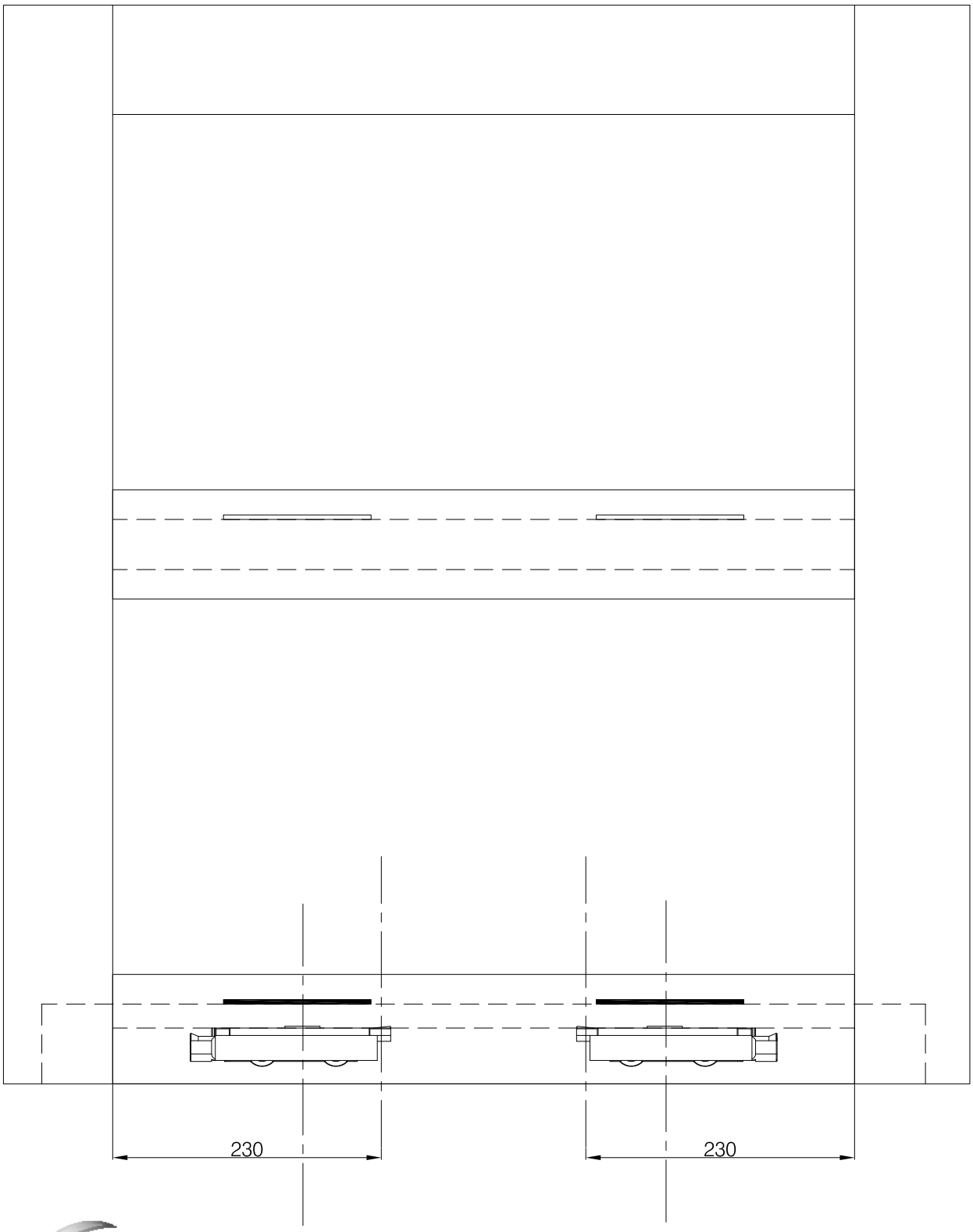
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.

HSD 5.05

SUB TITLE

HORIZONTAL SLIDING DOOR
GLAZING PACKER POSITIONS



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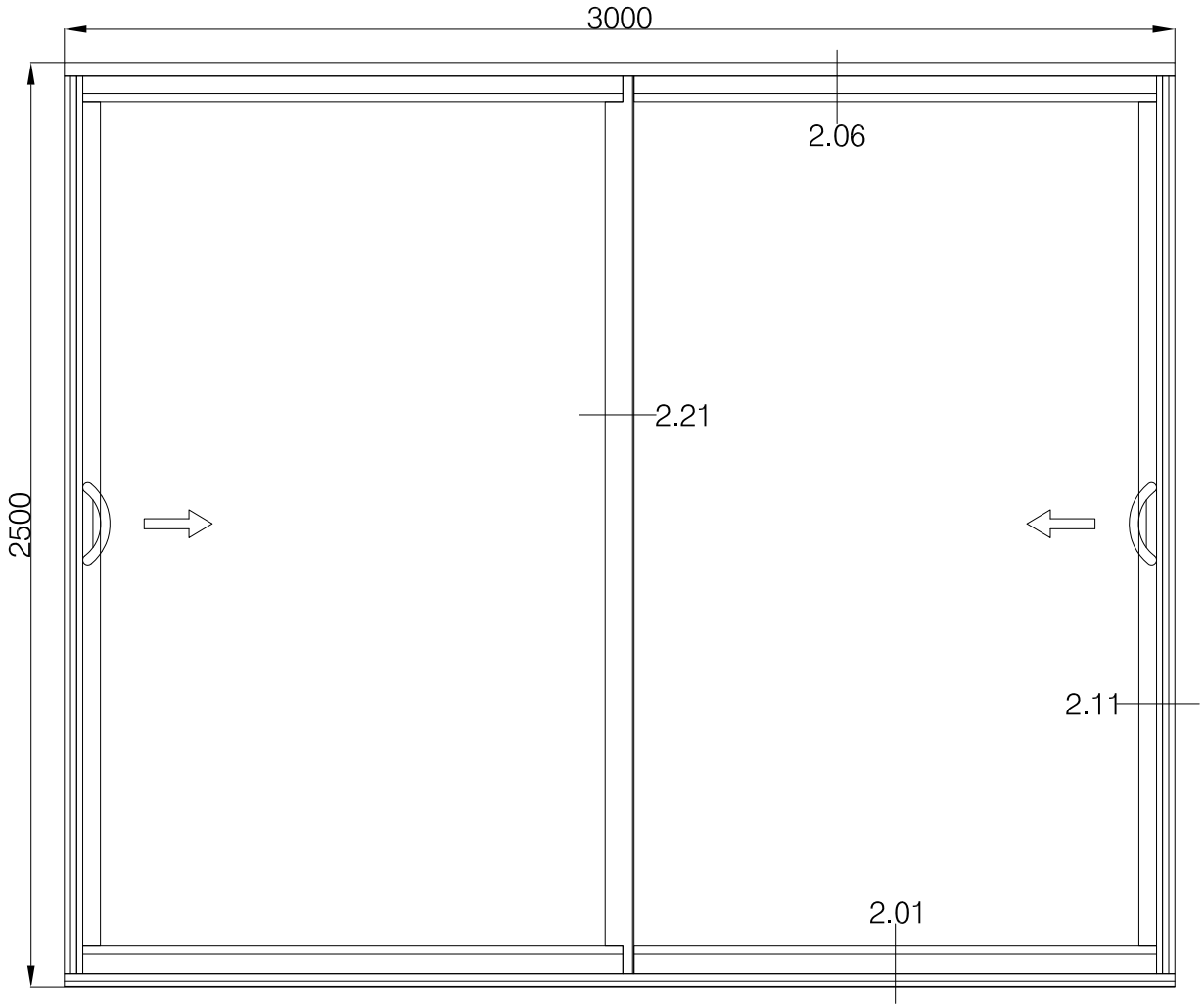
TITLE
POLYAMIDE INSULATED DOORS
THERMALLY EFFICIENT DOOR SYSTEM

SHEET No.
HSD 6.01

SUB TITLE
HORIZONTAL SLIDING DOOR
OUTER FRAME & LEAF FRAME - U-VALUES EXAMPLE



Glass Center Pane U Value = 1.20 W/m²K
Overall U-Value (Frame & Glass) = 2.19 W/m²K

The Horizontal Sliding Door must achieve a U-Value not exceeding 2.20 W/m²K in accordance with Document 'L' of the Building Regulations

The client is to provide a glass U-Value not exceeding 1.20 W/m²K
Glass specifications and glass U-Values are obtained from the glass manufacturer

Door size: 3000mm x 2500mm (7.50m²)
Glass U-Value 1.20 W/m²K
Calculation Method:
Calculated by Comar Technical Department using BS EN ISO 10077: Part 1
Average U-Value 2.19 W/m²K
Please contact Comar Technical Department for U-Value calculations or further enquiries regarding your door dimensions

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