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COMAR 7 P.I COMMERCIAL DOOR

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SECTION 3

COMAR 7 P.I COMMERCIAL DOOR

FABRICATION DETAILS

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COMAR 7 P.I COMMERCIAL DOOR

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COMAR 7P./ COMMERCIAL DOOR

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INTRODUCTION

COMAR 7P./ COMMERCIAL DOOR

Exhibits the highest standards of design appeal, high strength and durability for today's more security conscious market and demonstrates a continuation of Comar's innovative approach to the design of Architectural Aluminium products.

The specific choice door profiles and ancillary equipment is designed for fabricators to meet the requirements of the latest Building Regulations, the Disability Discrimination Act and is tested to PAS24 BS/EN 1627-RC3 with two security locks (both engaged) Profiles are thermally broken with 'rolled in' polyamide profiles, to deliver an improved thermal performance. This allows specifiers to deliver a high performance door to the security conscious discerning customer.

The door can integrate with all Comar systems and allows for flexibility of design on projects in the commercial market.

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

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SPECIFICATION

COMAR 7P./ COMMERCIAL DOOR

Exhibits the highest standards of design appeal, strength and durability for today's security conscious commercial market.

MATERIALS

Aluminium alloy extruded profiles of 6063 T5 or T6 to BS EN 755 and BS EN 12020.

FINISHES

Aluminium profiles are finished to the following specifications:
Silver, Bronze and Black anodising to BS EN 12373-1:2001 or BS 3987
Liquid organic coating to BS 4842 or Polyester powder coating to BS 6496

CONSTRUCTION

Rails are square cut and design of stiles makes an almost invisible joint.
Stiles incorporate twin woolpile grooves to by-pass the lock.
A secure profile concealed under the door houses twin brush seals providing double weathering and draught proofing around the perimeter of the door. Low ramp drained or thermally broken thresholds are available.

GLAZING

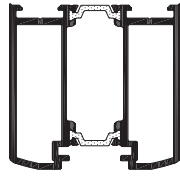
The standard option uses a wide range of glazing beads and gaskets allow for a choice of glazing thickness from 9mm to 45mm.
The security option Glass to be used is Intruder Resistant Glass that conforms to LPS 1270 (Loss Prevention Standard) and is set dry against the glazing tape and retained by mechanically fixed beads.

SPECIFICATION

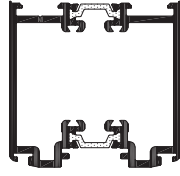
The door conforms to the aluminium industry standards of the trade association i.e. The Council for Aluminium in Building (CAB). The door also conforms to many of the requirements for aluminium windows specification BS4873.
A single door using this manual design has been security tested to PAS 24 BS/EN 1627-RC3 fitted with two locks (both engaged).

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

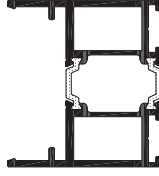
PROFILE SECTIONS BROADSHEET



CS772
DOOR STILE, PLAIN



CS771
DOOR STILE



CS777
DOOR TOP
RAIL



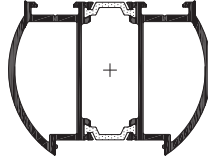
CS992
HEADER BAR PLATE



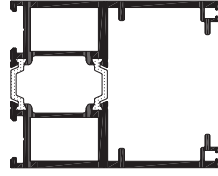
CS083
DRIP SECTION
FX046XLF - STUD
OR
FX045SLF - SCREW FIXING
OR
FX047SLF - PROFILE RIVET FIXING



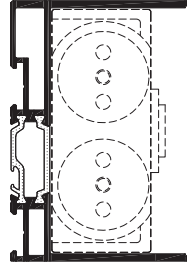
CS997
MULLION ADAPTOR



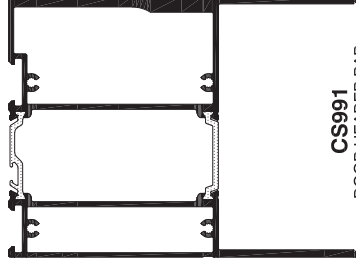
CS773
FINGER GUARD DOOR
STILE



CS778
DOOR BOTTOM
RAIL



CS993
HEADER BAR



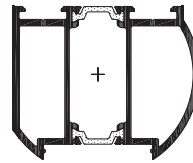
CS991
DOOR HEADER BAR



CS015
DOUBLE RAMP
THRESHOLD



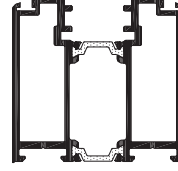
CS915
DOUBLE RAMP
THRESHOLD



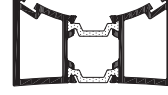
CS774
FINGER GUARD DOOR
STILE, PANIC EXIT



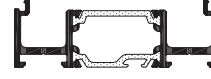
CS775
DOOR STILE
WOOLPILE



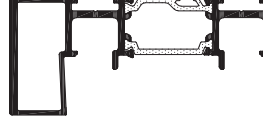
CS779
DOOR STILE
WOOLPILE



CS994
DOOR FINGER GUARD,
70MM PIVOT POINT



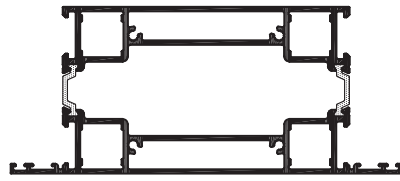
CS962
78mm MULLION
INFILL PLATE
NO LEG



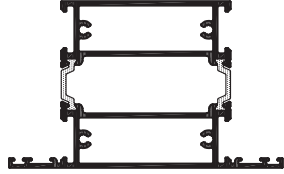
CS975
MULLION INTERNAL
BOX



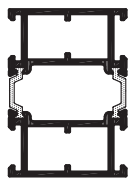
PROFILE SECTIONS BROADSHEET



CS781
150mm TRANSOM/MIDRAIL



CS780
105mm TRANSOM/MIDRAIL



CS799
45 mm TRANSOM/MIDRAIL



CS796
SECURITY BEAD
EXTERNAL



CS797
SECURITY BEAD
INTERNAL



CS798
SECURITY BEAD
COVER



CS925
GLAZING BEAD



CS926
GLAZING BEAD



CS927
GLAZING BEAD



CS928
GLAZING BEAD



CS929
GLAZING BEAD



CS930
GLAZING BEAD



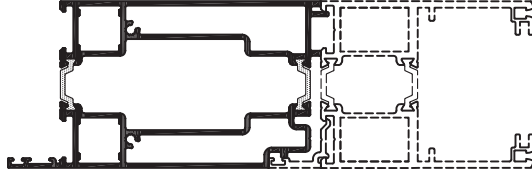
CS422
GLAZING BEAD



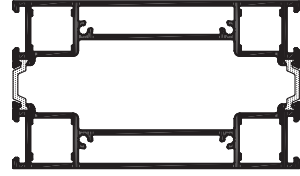
CS100
RAIL BRUSH
WOOLPILE CARRIER



CS782
200mm TRANSOM/MIDRAIL



CS784
100mm BOTTOM RAIL
EXTENSION



CS783
110mm SECURITY
OPTION DOOR MIDRAIL



CS734
BOTTOM RAIL PLATE
47.8 x 3 mm



CS143
100 x 3mm FLAT



CS346
DRAINAGE TRAY
(FOR CS315, 345, 347, 348)



CS072
DRAINAGE TRAY
(THERMALLY BROKEN OR PLAIN)



CS045
SINGLE RAMP THRESHOLD



CS715
SQUARE RAMP THRESHOLD



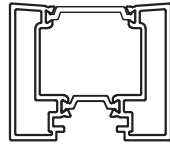
CS315
DOUBLE RAMP DRAINED
THRESHOLD



CS345
SINGLE RAMP DRAINED
THRESHOLD

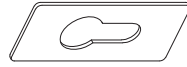


ACCESSORIES BROADSHEET

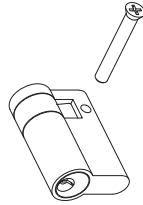


CS998
52mm Mullion Adapter

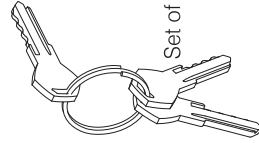
LK-092-SVR
ESCUTCHEON



LK479XS1F
35/10 HALF CYLINDER



LK-2100-75
40.75mm ROUND CYLINDER



Set of three keys

XX3092XS1F
#10x22

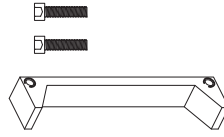


AC0245

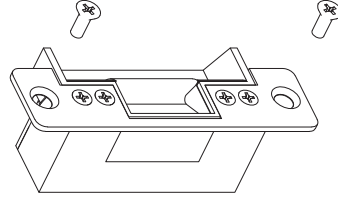
Electric Strike Body Spacer



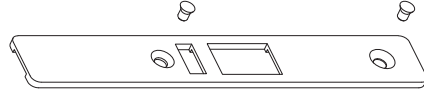
ES-2100-381
11.3mm EXTENSION LIPS



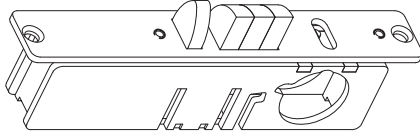
ES-2100-12FSAF or SEC
ES-2100-24FSAF or SEC



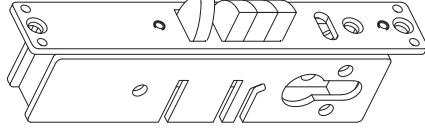
LK-2100-41 Face Plate



LK-2100-25-R Deadlatch



LK-2100-25-E Deadlatch



comar 7P.i

TITLE
**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.
1.05.2

SUB TITLE
ACCESSORIES BROADSHEET

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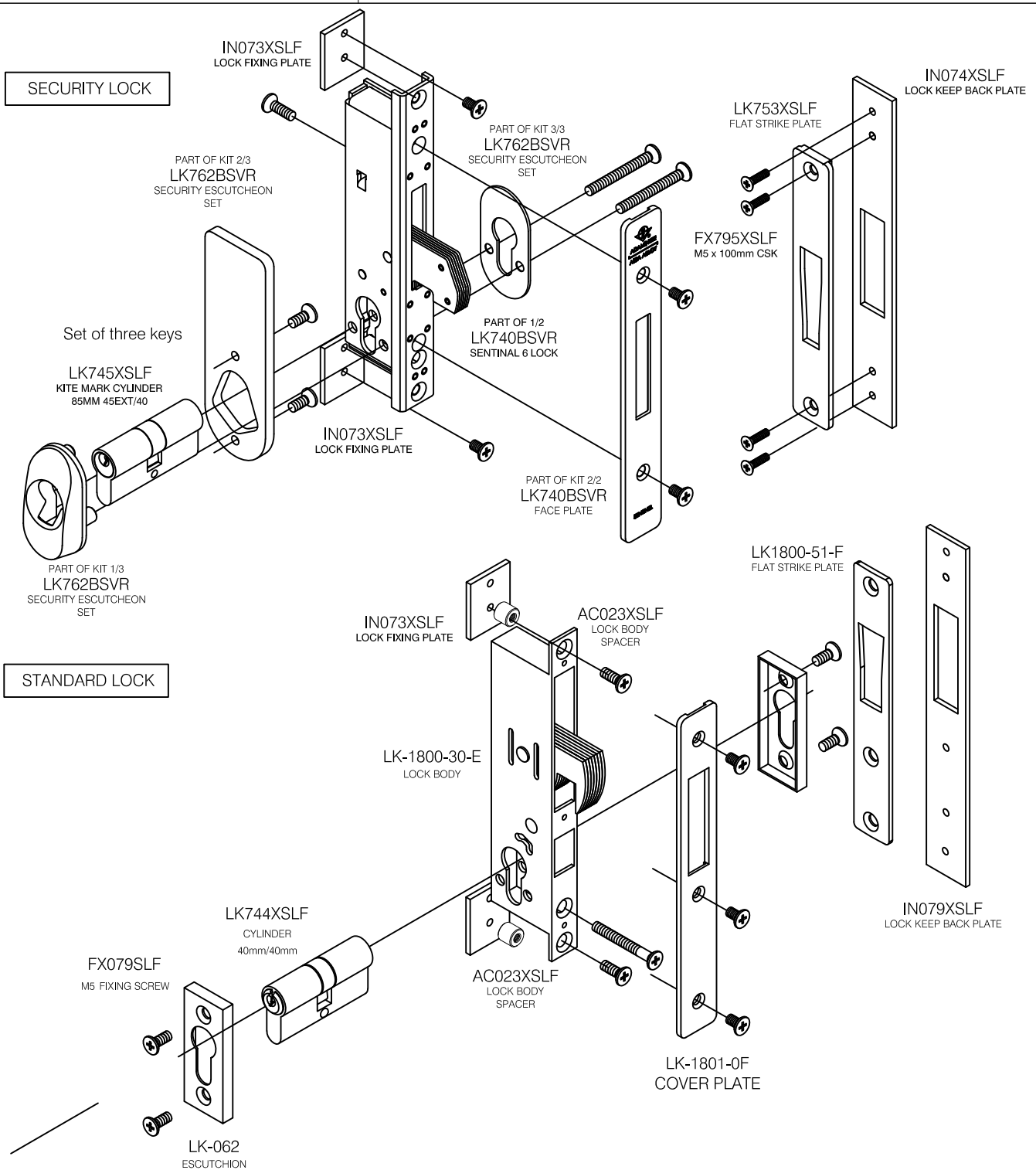
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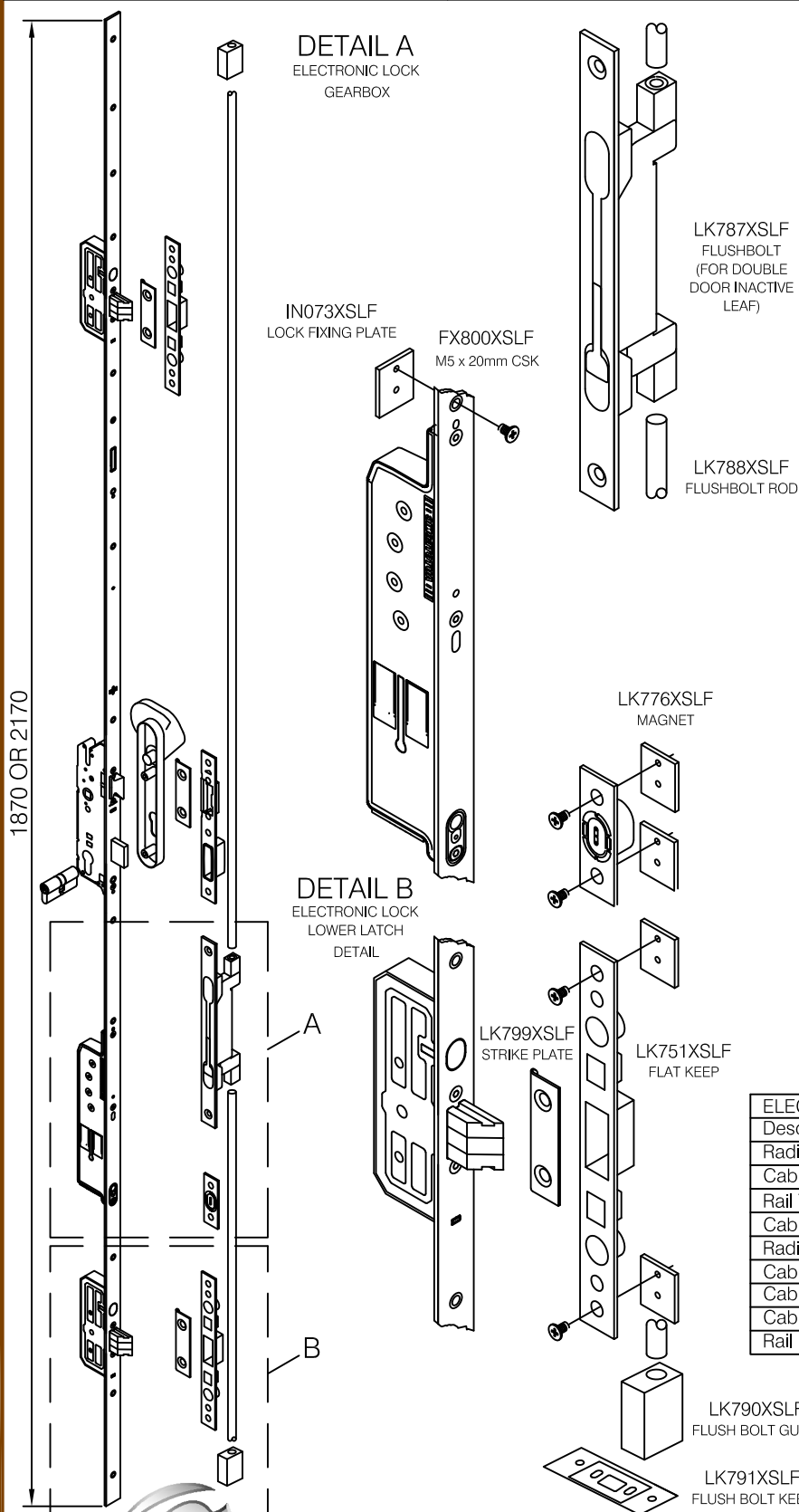
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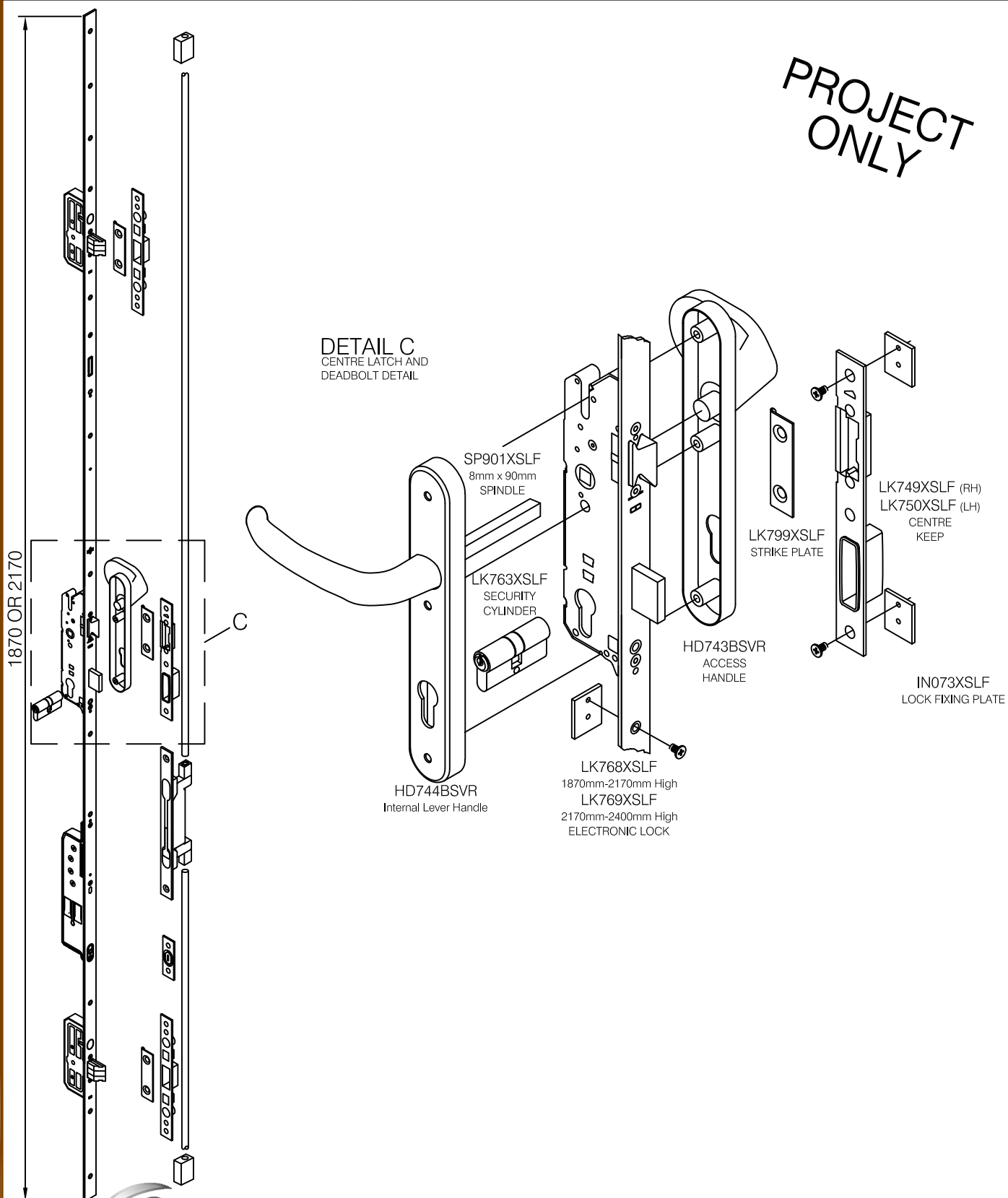
PROJECT
ONLY

ELECTRONIC CONTROL OPTIONS	
Description	Part No
Radio Receiver Module with Master Key	LK780XSFL
Cable 6 Core 10m (standard)	LK781XSFL
Rail Transformer	LK782XSFL
Cable Duct Sheath	LK783XSFL
Radio Push Button	LK784XSFL
Cable Protection Grommets	LK785XSFL
Cable 3 Core 4m with 7 pin plug	LK794XSFL
Cable 3 Core 8m with plug	LK797XSFL
Rail Mounted Control Unit With Master Key	LK798XSFL

Note: Please reference
Electronic Locking
Document MBW15 for
wiring details and options

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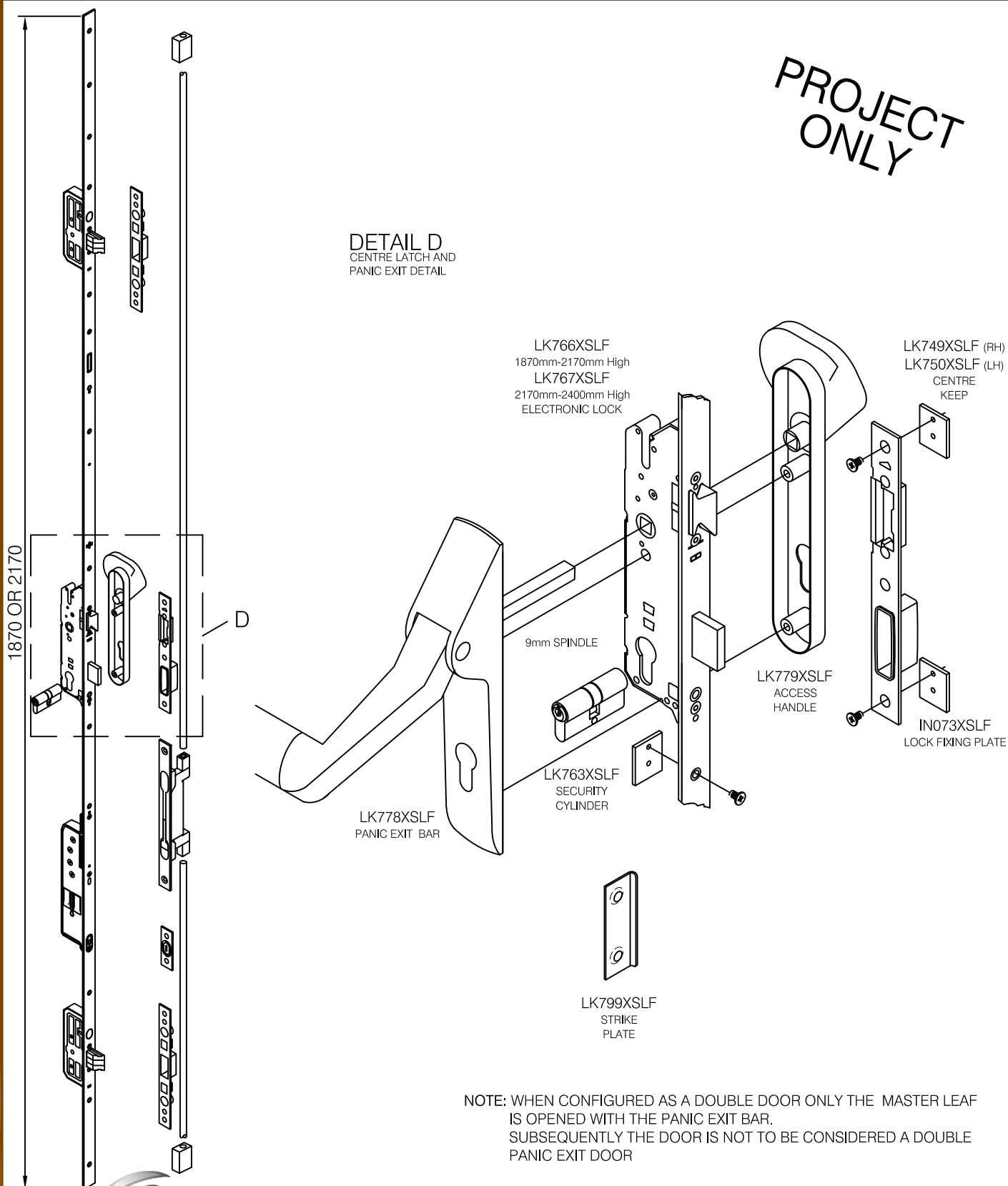
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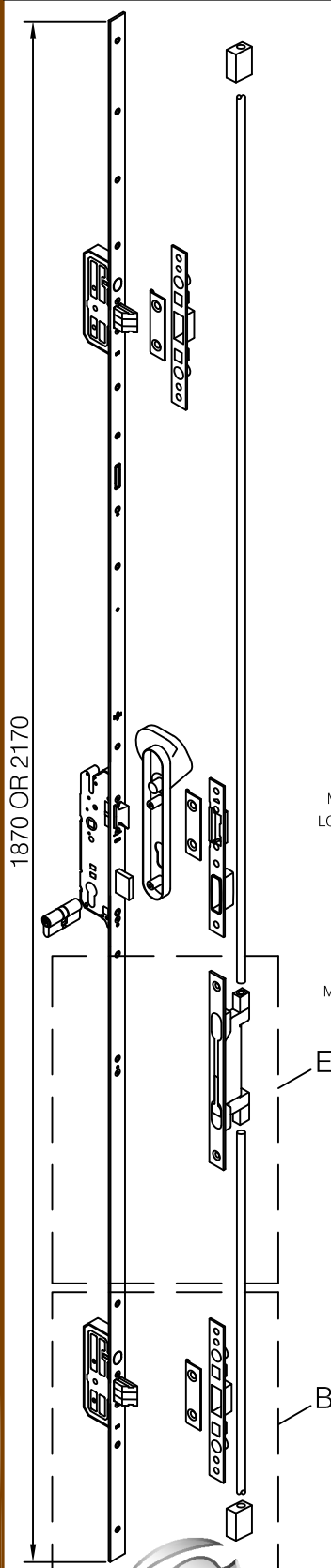
PROJECT
ONLY

DETAIL D
CENTRE LATCH AND
PANIC EXIT DETAIL



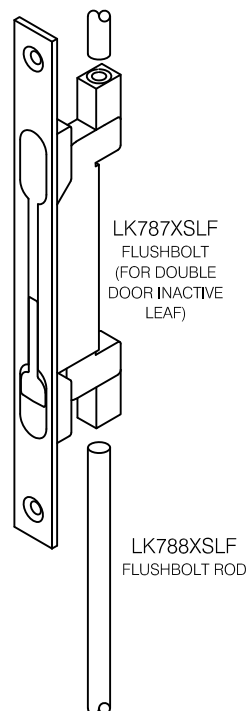
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DETAIL E

MULTIPOINT LOCK
DETAIL

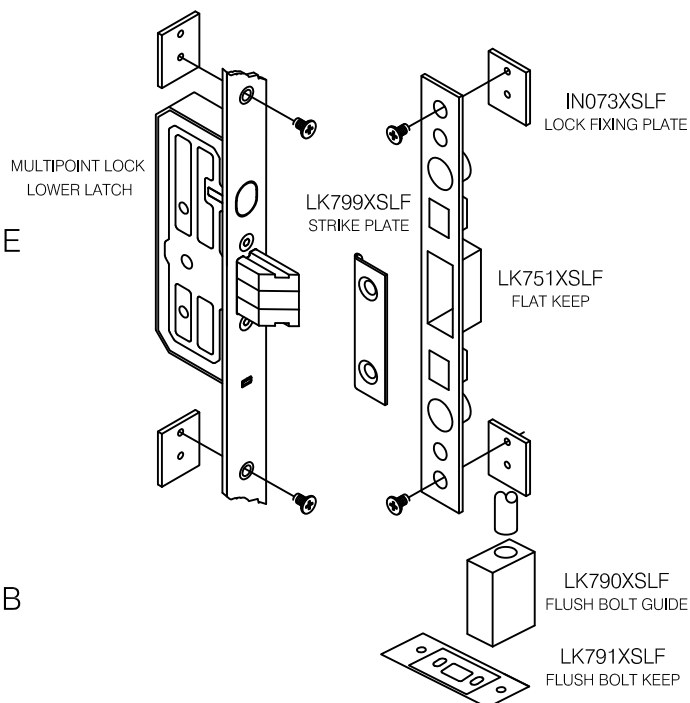


LK787XSFL
FLUSHBOLT
(FOR DOUBLE
DOOR INACTIVE
LEAF)

LK788XSFL
FLUSHBOLT ROD

DETAIL B

MULTIPOINT LOCK
LOWER LATCH DETAIL



MULTIPOINT LOCK
LOWER LATCH

LK799XSFL
STRIKE PLATE

IN073XSFL
LOCK FIXING PLATE

LK751XSFL
FLAT KEEP

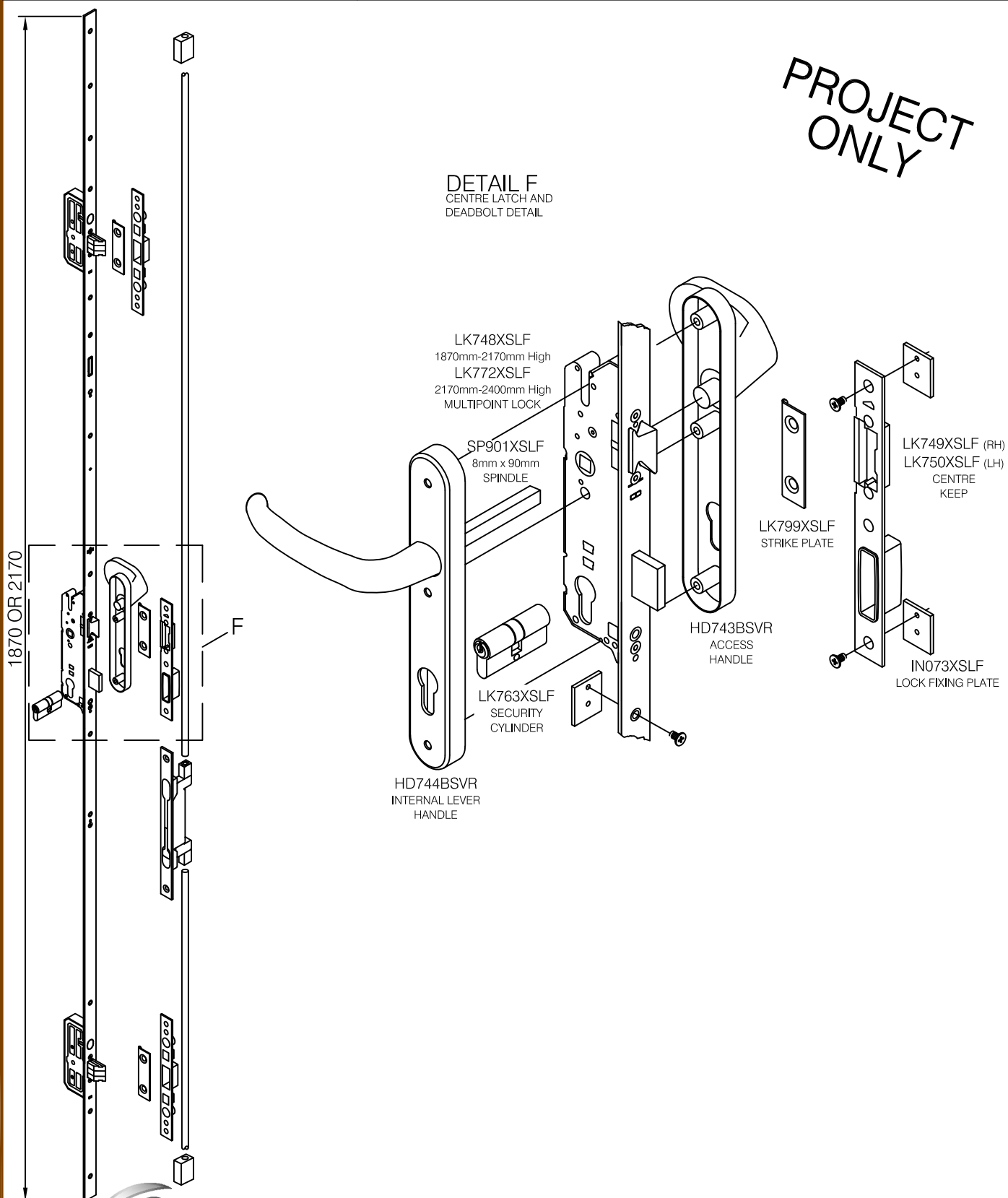
LK790XSFL
FLUSH BOLT GUIDE

LK791XSFL
FLUSH BOLT KEEP

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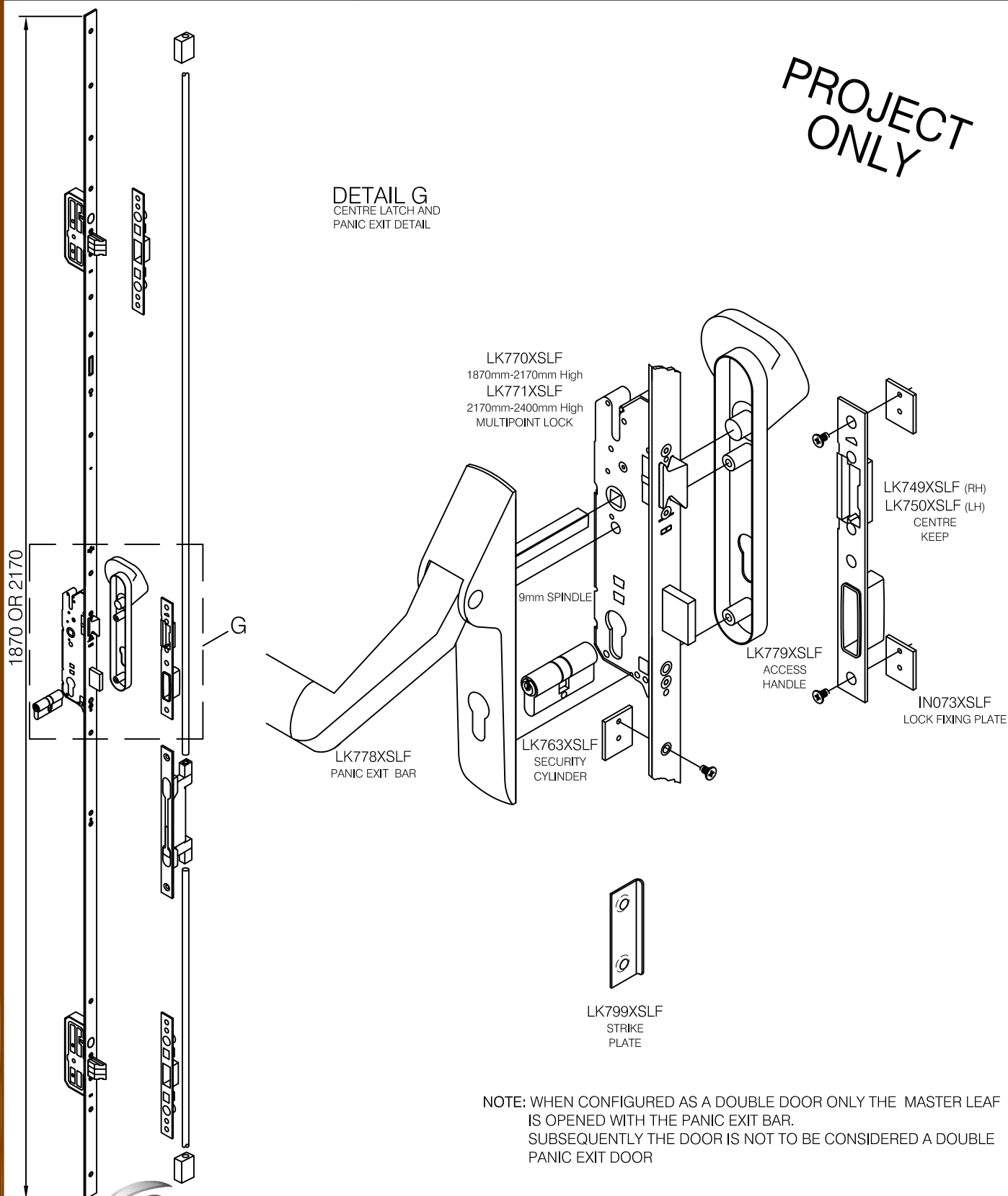
DETAIL F
CENTRE LATCH AND
DEADBOLT DETAIL



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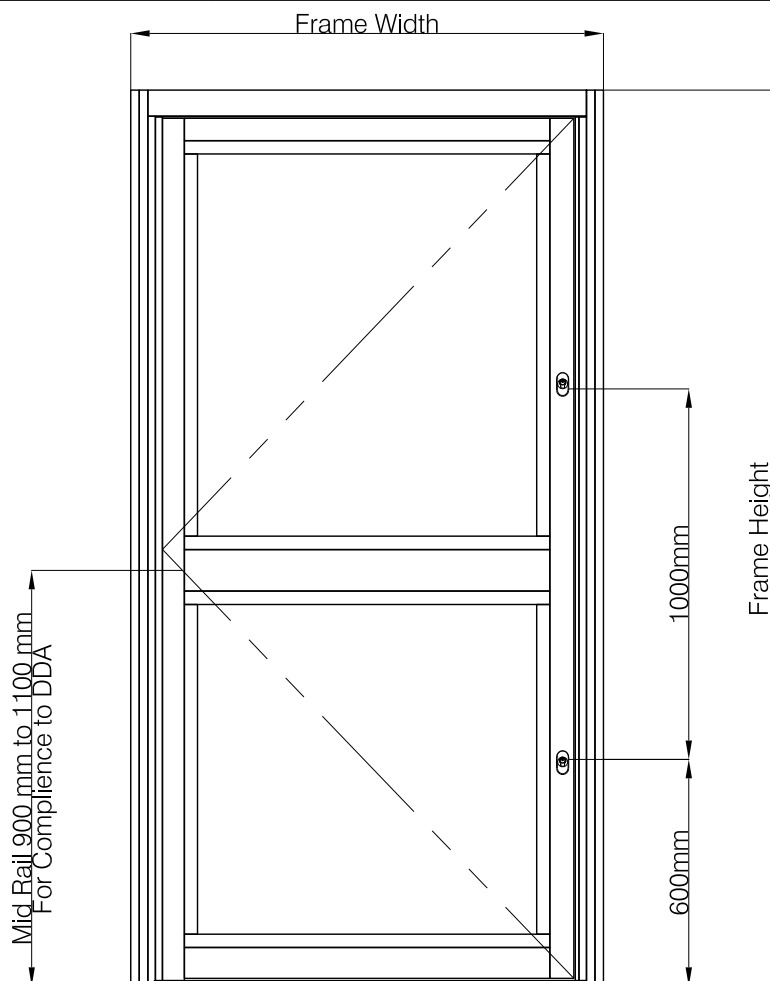
PROJECT
 ONLY

DETAIL G
 CENTRE LATCH AND
 PANIC EXIT DETAIL



NOTE: WHEN CONFIGURED AS A DOUBLE DOOR ONLY THE MASTER LEAF IS OPENED WITH THE PANIC EXIT BAR.
 SUBSEQUENTLY THE DOOR IS NOT TO BE CONSIDERED A DOUBLE PANIC EXIT DOOR

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STANDARD AND PAS 24 SECURITY OPTION

UNIVERSAL CONCEALED TRANSOM CLOSER

180° SWING AND DELAYED ACTION

HOLD OPEN OPTIONS AVAILABLE

THREE CLOSING STRENGTHS AVAILABLE

AXIM TC8801-0015 8801-9015 SIZE 1

AXIM TC8802-0015 8802-9015 SIZE 2

AXIM TC8803-0015 8803-9015 SIZE 3

MAX DOOR LEAF WIDTH 1150mm MAX DOOR LEAF HEIGHT 2400mm MAX DOOR LEAF WEIGHT 100Kgs



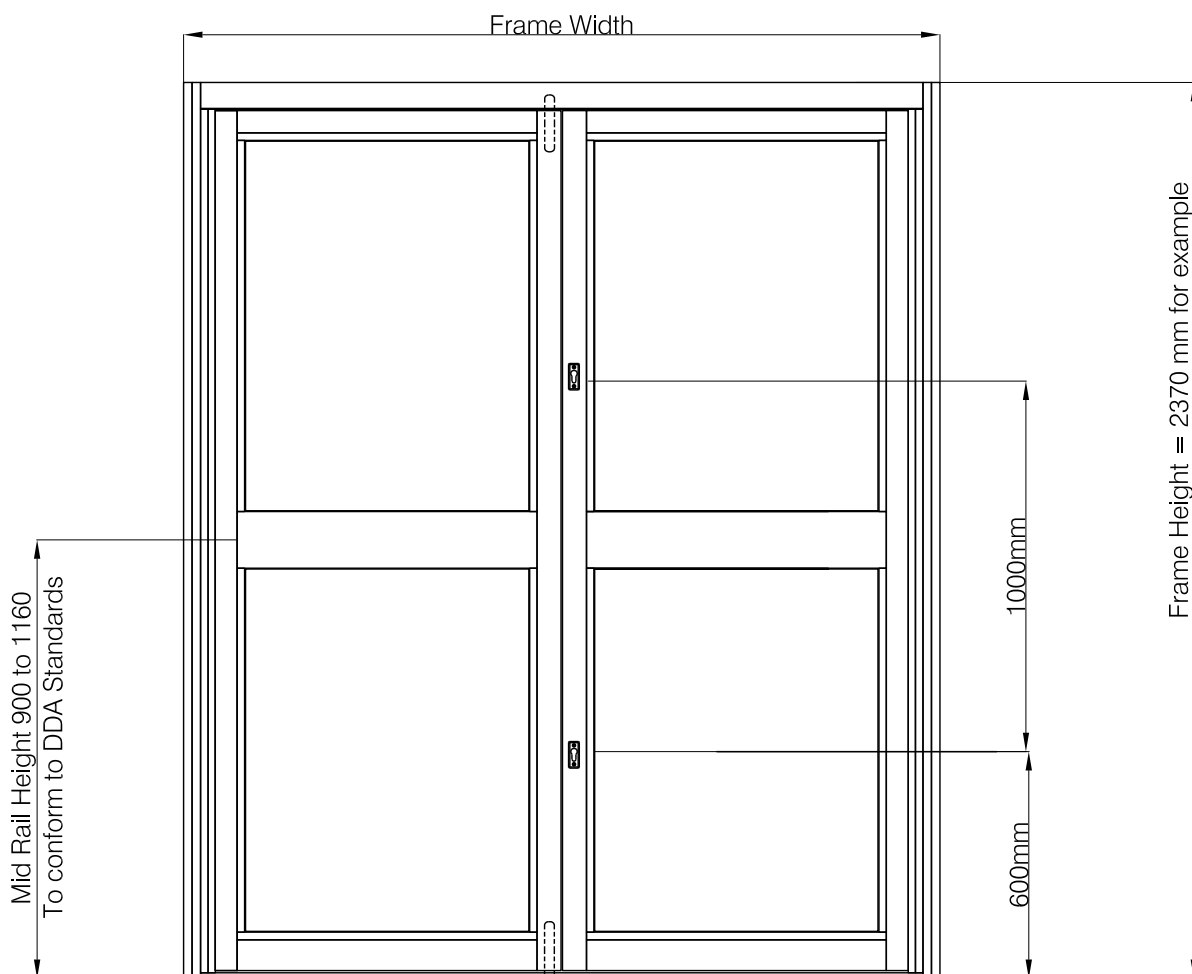
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SCALE	1: 20	@ A4
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DRG. No.	C7Pi-CD-1.07	R5



PAS 24 SECURITY OPTION

HARDWARE LIST:

TRANSOM CLOSER AND BOTTOM PIVOT FOR CD	2
IN078XSLF SECURITY TOP ARM ANGLE	2
FB-6501-F18 AND FB-62-041 FLUSH BOLT (SLAVE DOOR)	2
STANDARD LOCK - PAGE C7Pi-CD-1.06 R1	2
LK745XSLF SECURITY CYLINDER	2
WS700XSLF BOTTOM PIVOT PROTECTOR	2

EXTERNAL CS795 BEAD FIXED IN PLACE WITH FX034 EVERY 300mm
USE WS902XSLF SECURITY GLAZING CLIPS

ALL OTHER COMPONENTS AS PER STANDARD DOOR



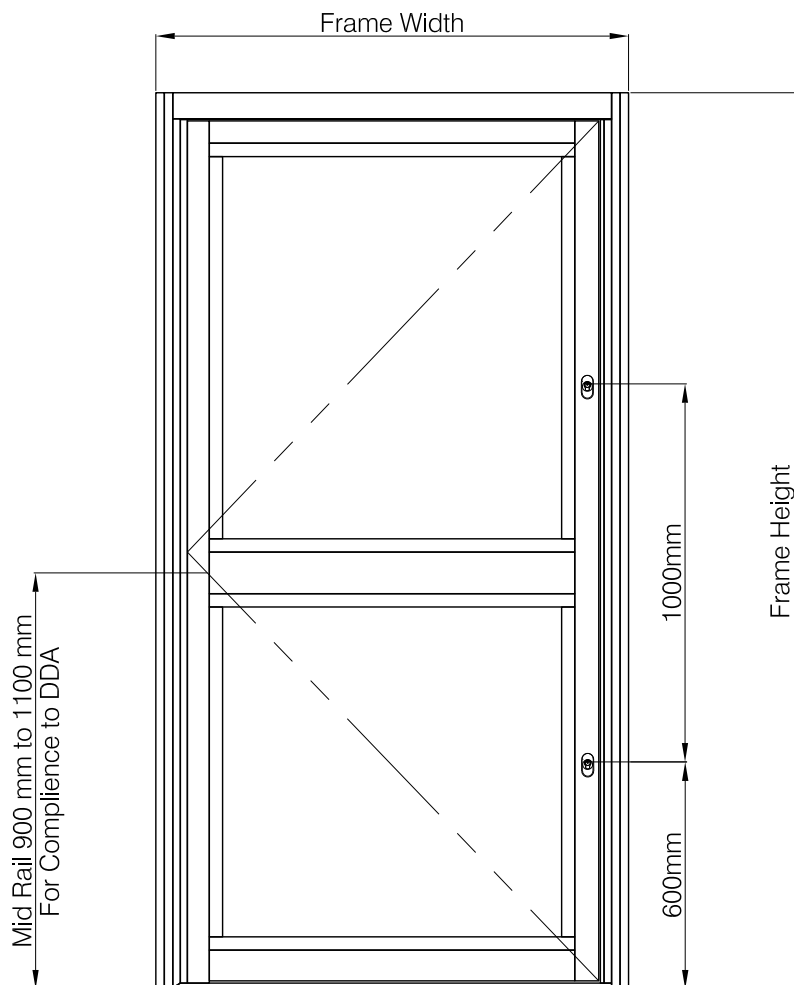
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DRG. No.	C7Pi-CD-1.07.01	R2



PAS 24 SECURITY OPTION

HARDWARE LIST:

TRANSOM CLOSER AND BOTTOM PIVOT FOR CD	1
IN078XSFL SECURITY TOP ARM ANGLE	1
STANDARD LOCK - PAGE C7Pi-CD-1.06 R1	2
LK745XSFL SECURITY CYLINDER	2
WS700XSFL BOTTOM PIVOT PROTECTOR	1

EXTERNAL CS795 BEAD FIXED IN PLACE WITH FX034 EVERY 300mm
USE WS902XSFL SECURITY GLAZING CLIPS

ALL OTHER COMPONENTS AS PER STANDARD DOOR



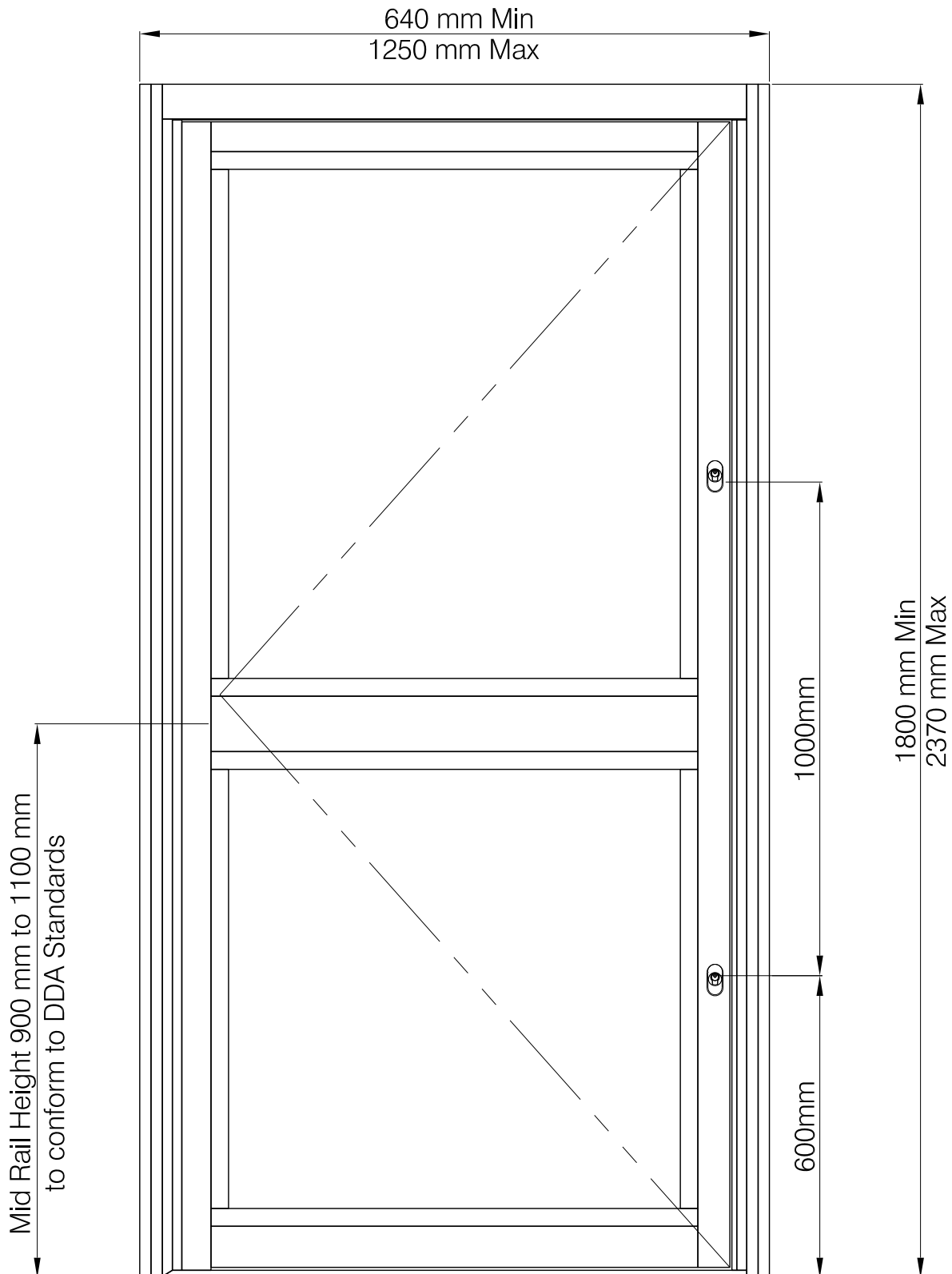
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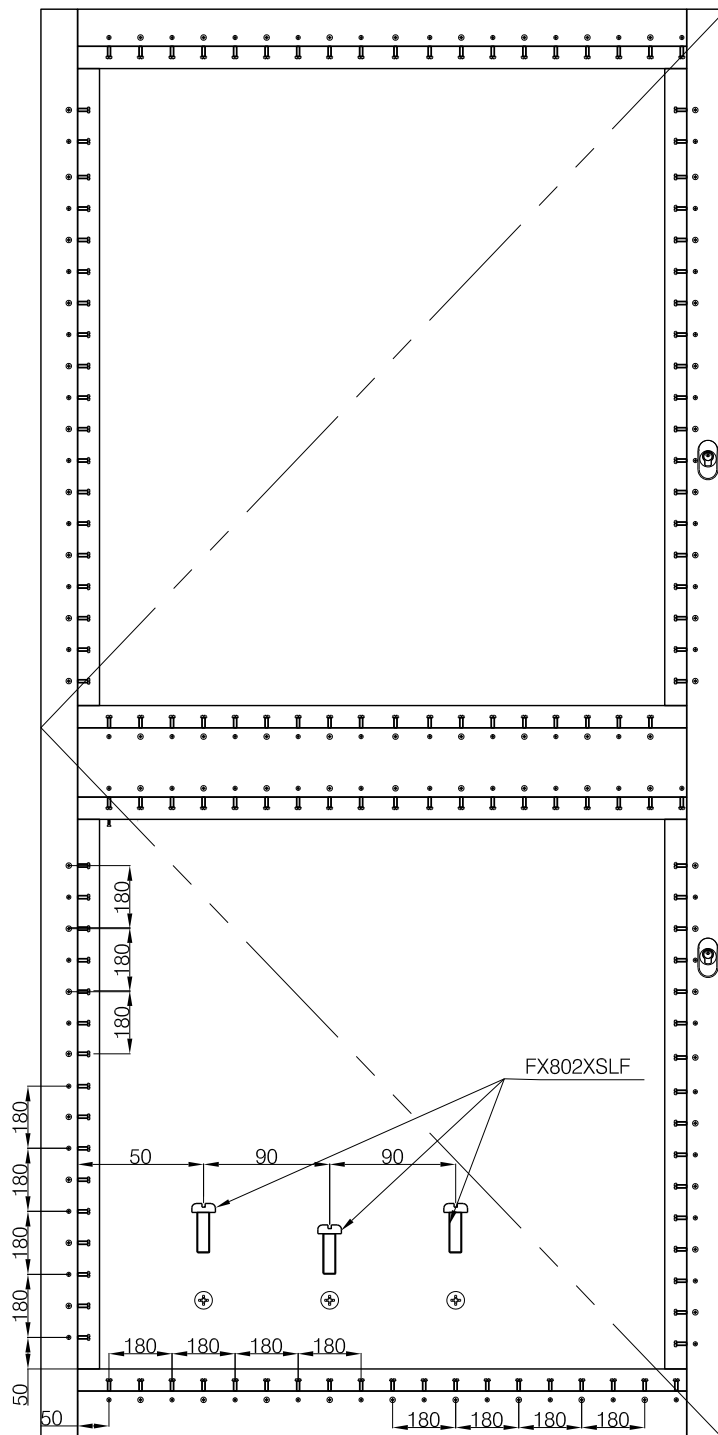
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SCALE	1: 16	© A4
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DRAWN	VM/KP/BB	
DRG. No.	C7Pi-CD-1.08	R3



NOTE:
FOR A SECURITY RATED DOOR
THE SCREWS ARE TO BE
INSTALLED AS PER THE MANUAL

SEE PAGE 3.31 FOR FURTHER
DETAILS



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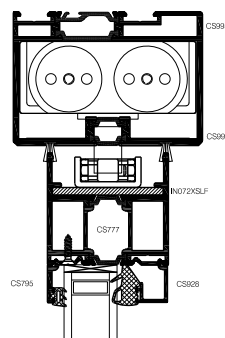
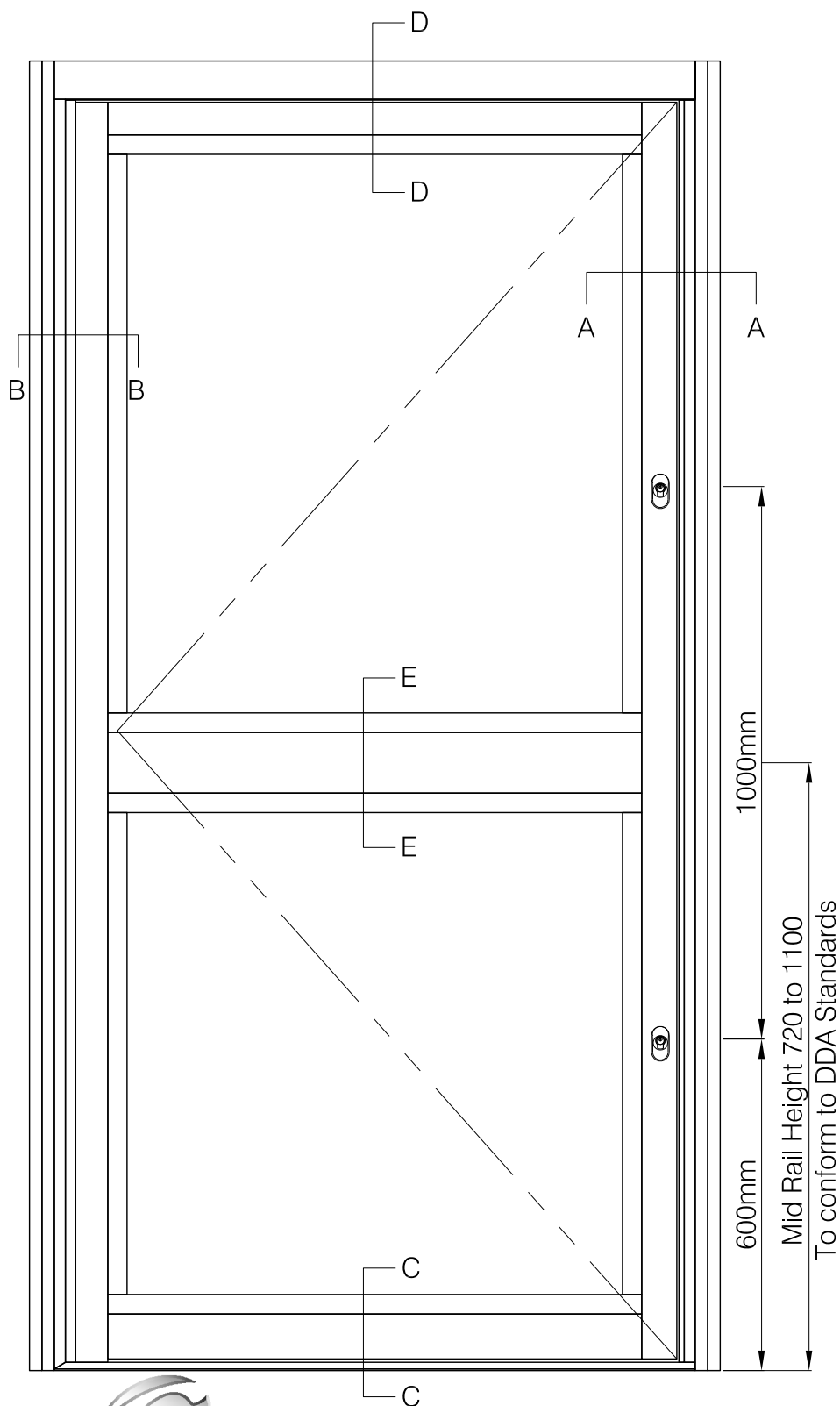
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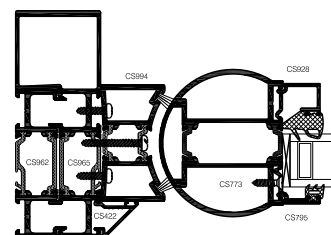
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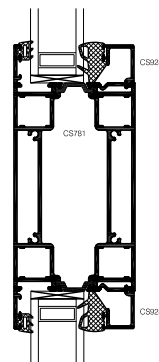
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SUB TITLE	STANDARD OPTION OUTER FRAME AND DOOR FRAME WORKING DRAWING / DIAGRAM	



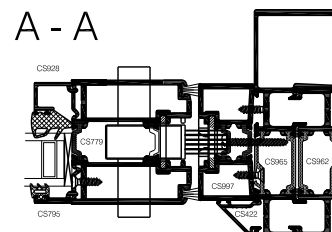
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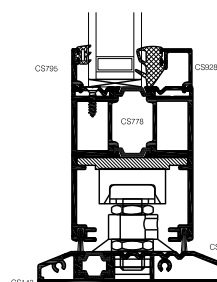
B - B



E - E



A - A



C - C



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SCALE	NTS	@ A4
DATE	03/10/2019	
DRAWN	VM/KP/BB	
DRG. No.	C7Pi-CD-1.10	R3

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TITLE

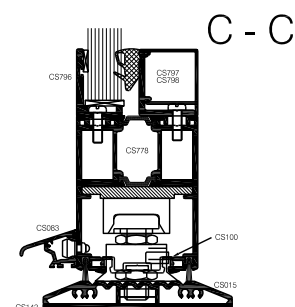
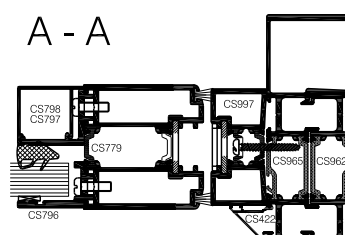
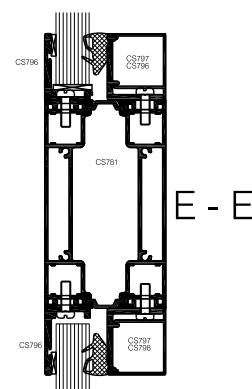
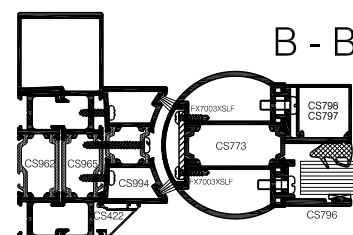
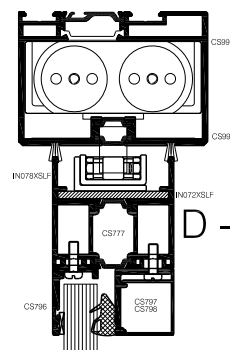
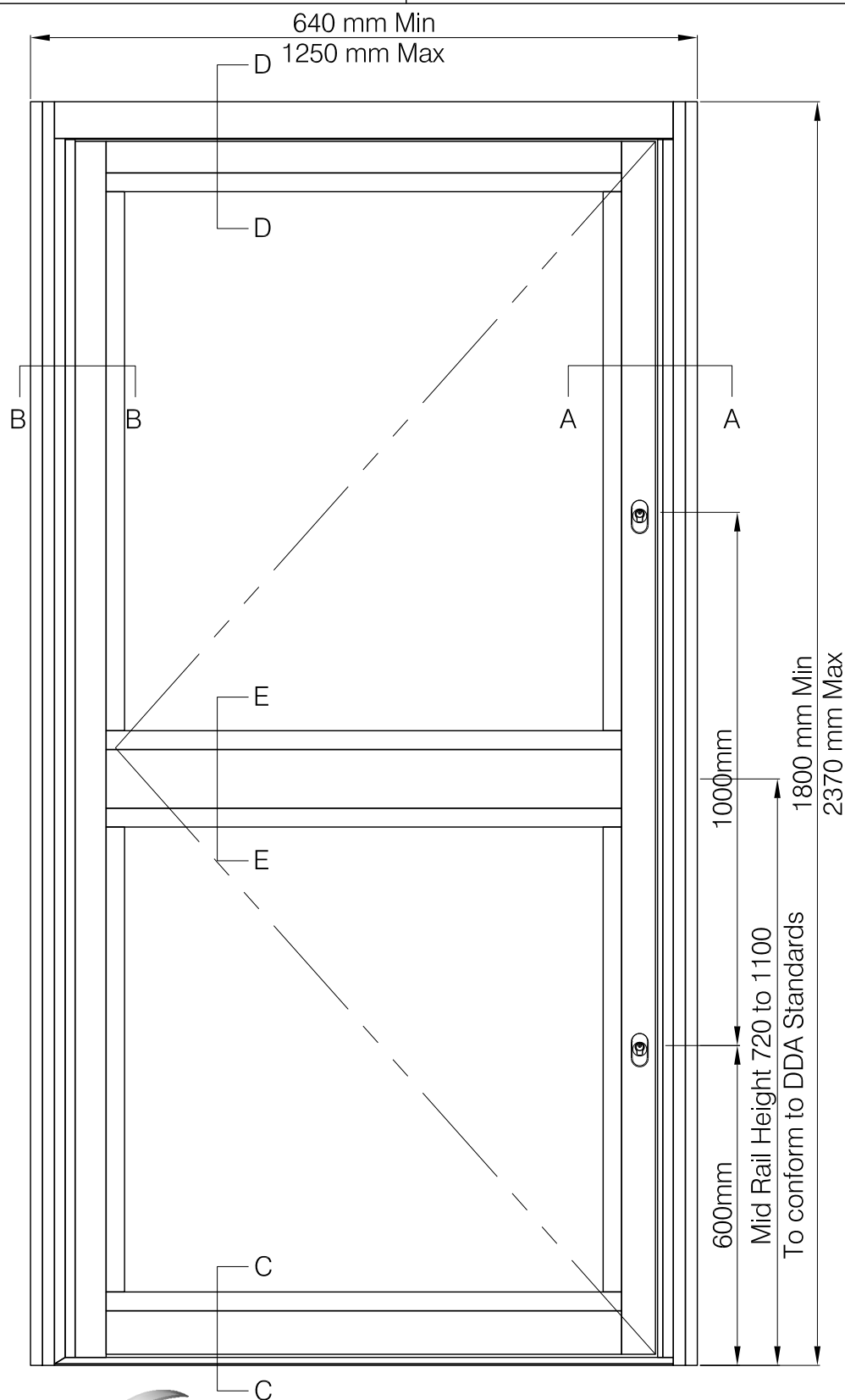
**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.

1.11

SUB TITLE

**BS EN 1627 SECURITY OPTION
OUTER FRAME AND DOOR FRAME WORKING DRAWING / DIAGRAM**



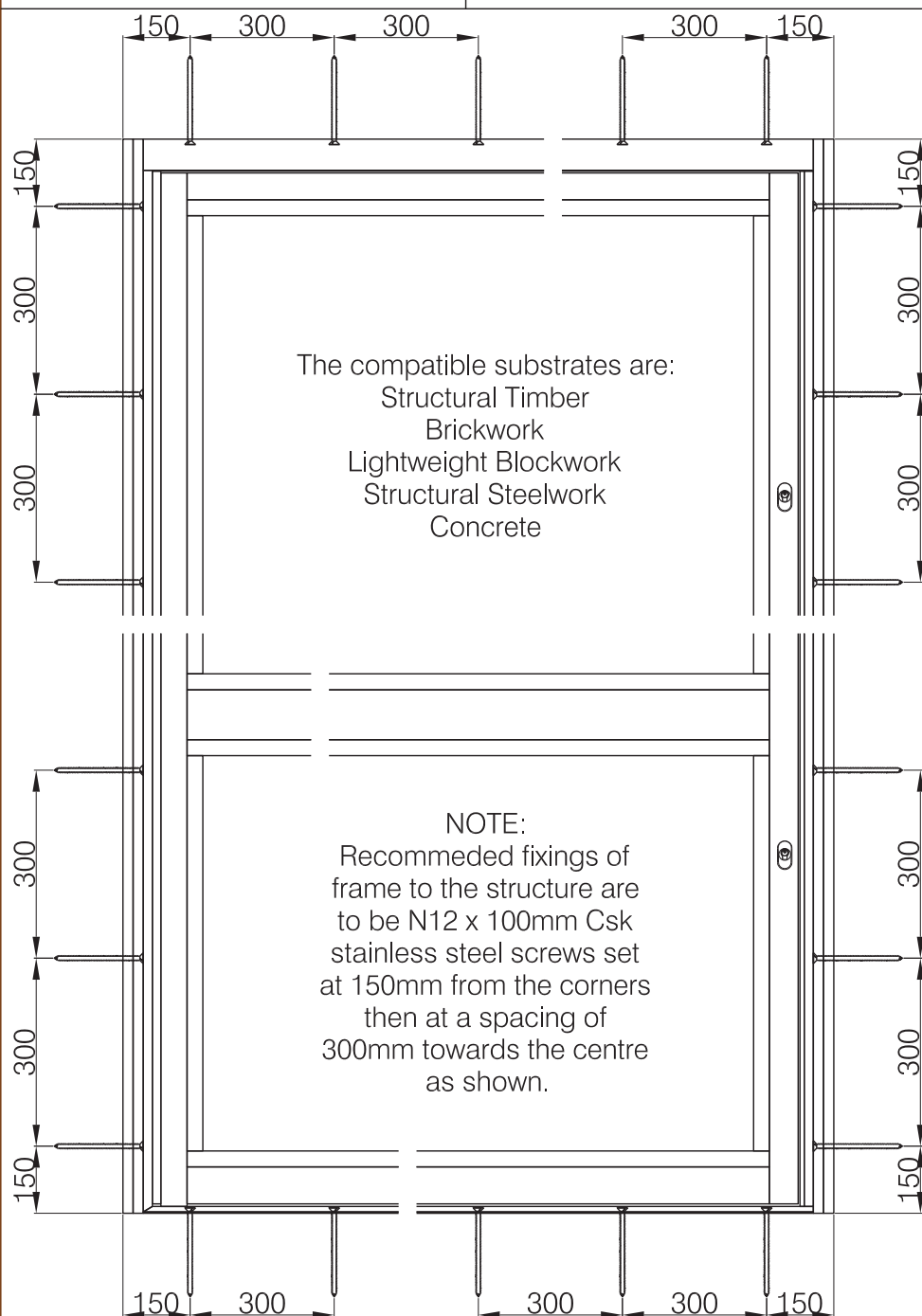
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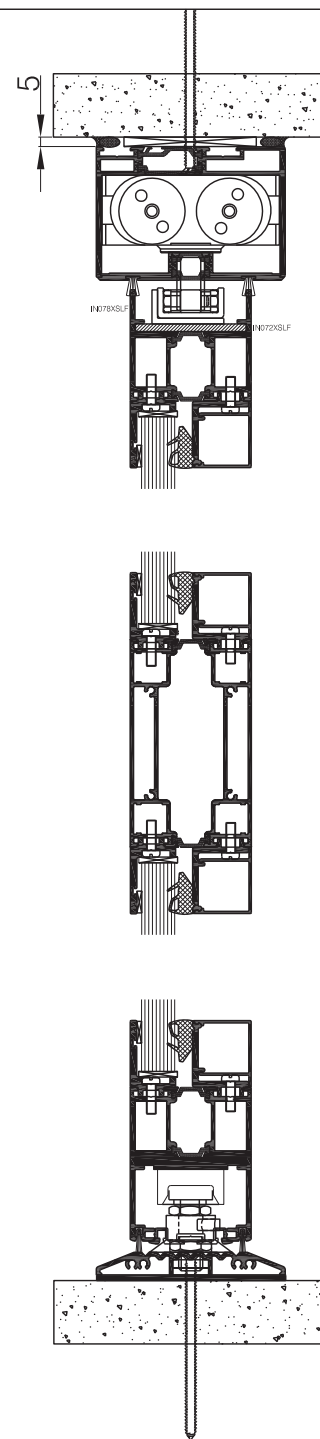
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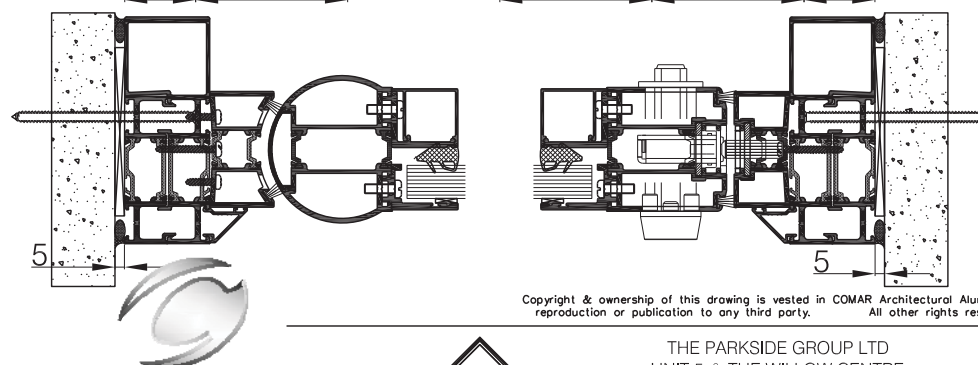
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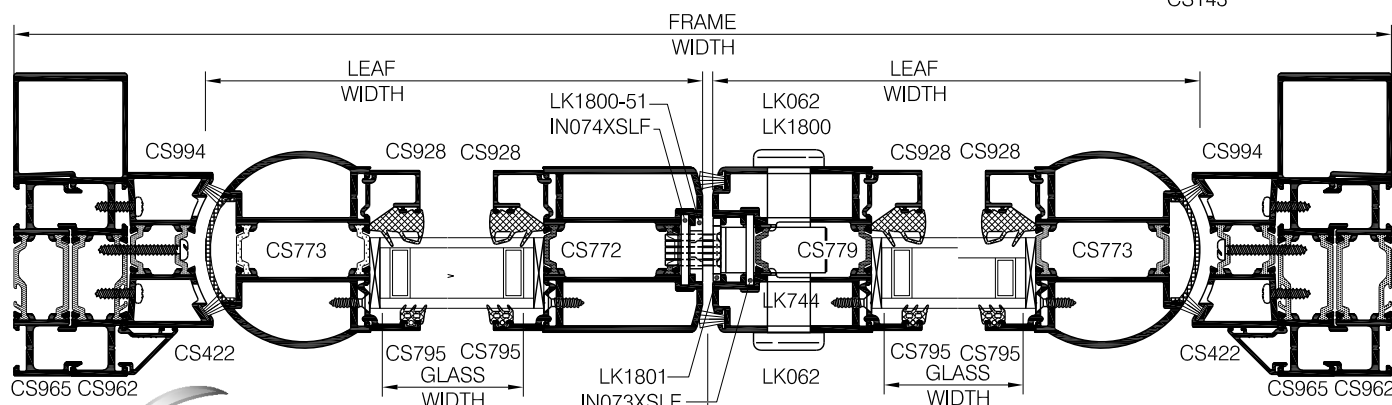
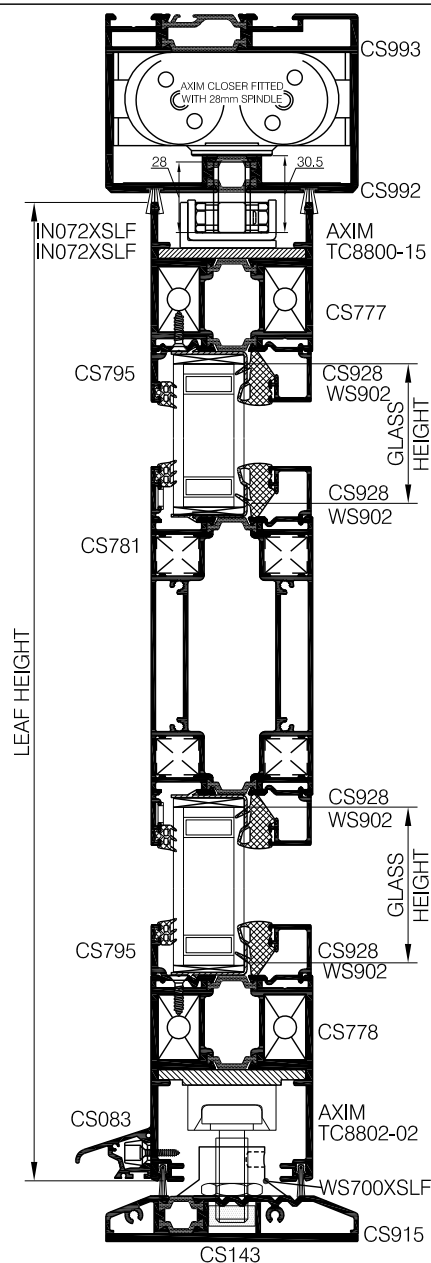
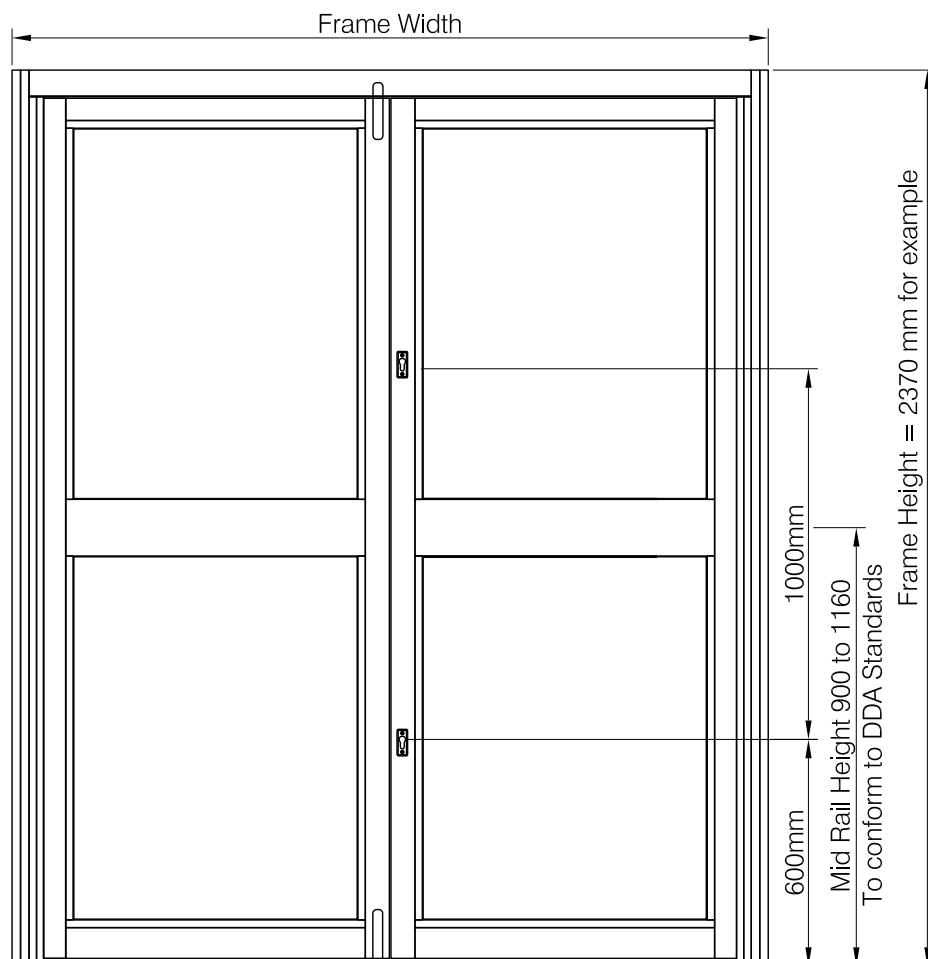
NOTE:
Recommended fixings of
frame to the structure are
to be N12 x 100mm Csk
stainless steel screws set
at 150mm from the corners
then at a spacing of
300mm towards the centre
as shown.



NOTE:
The maximum permissible
gap between the frame and
substrate is 8mm. Suitable
plastic packers to be used.



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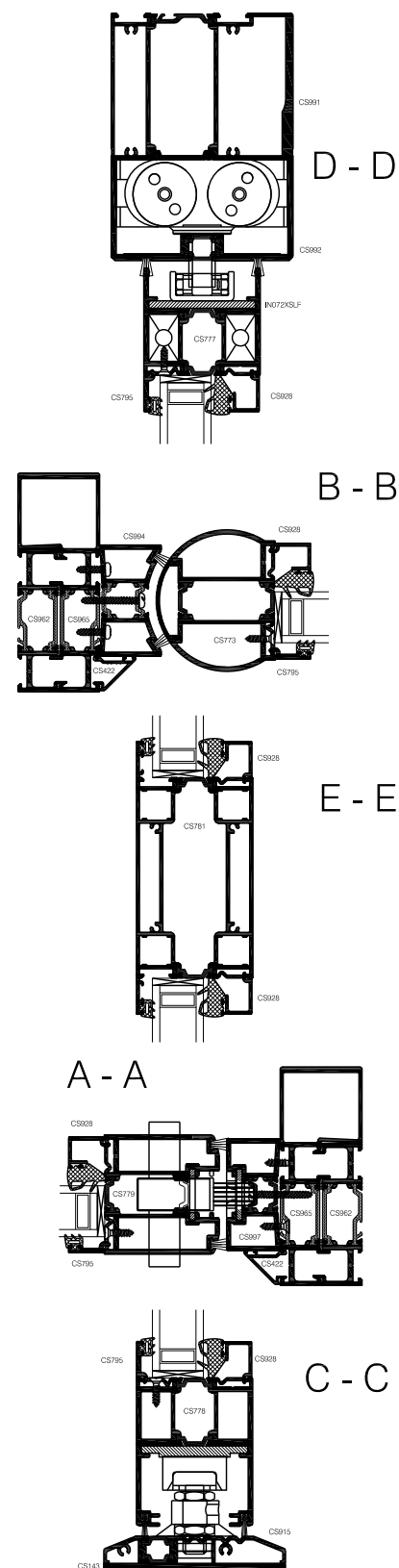
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**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

1.14

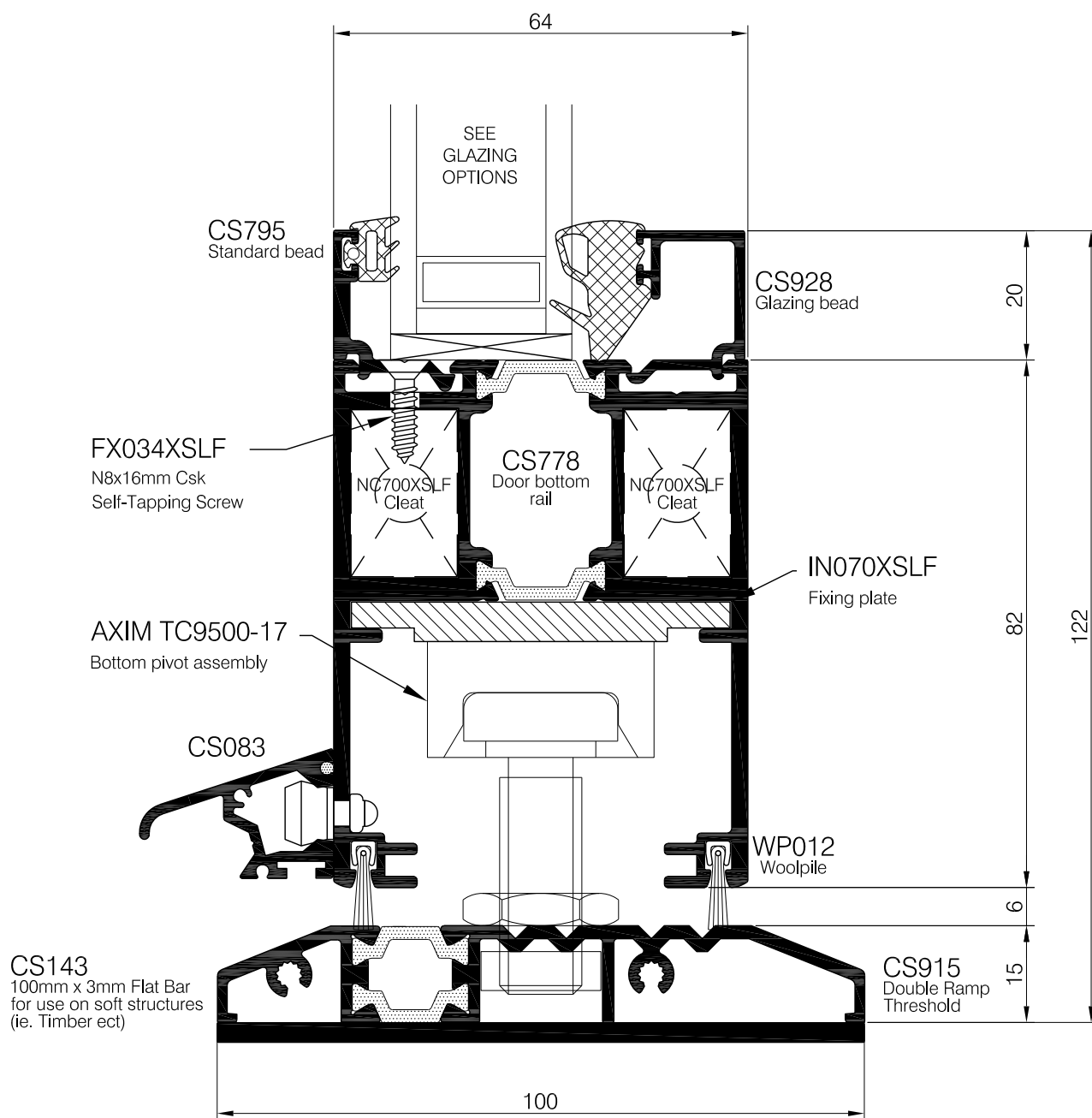
STANDARD OPTION OUTER FRAME AND DOOR FRAME WORKING DRAWING / DIAGRAM

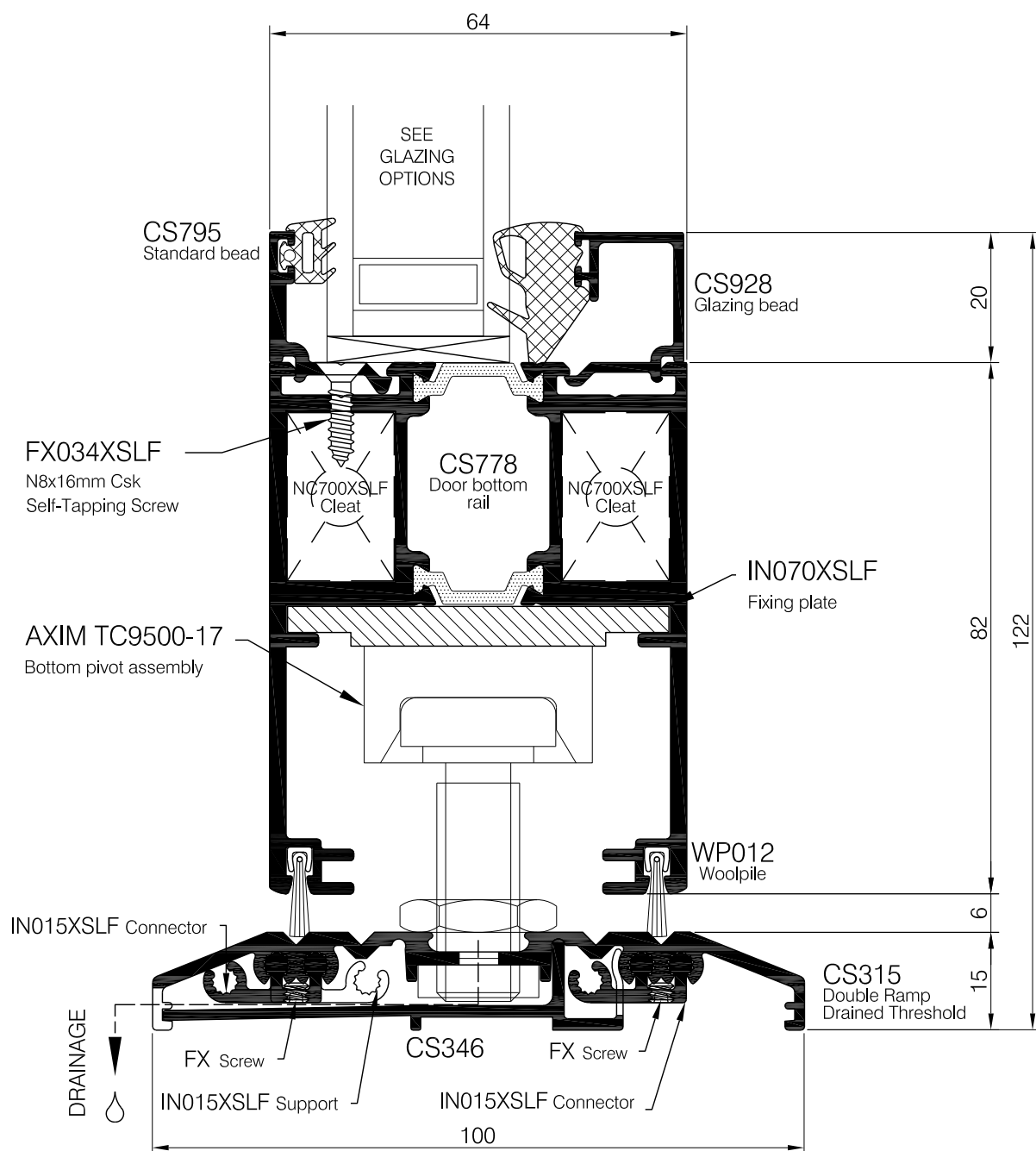


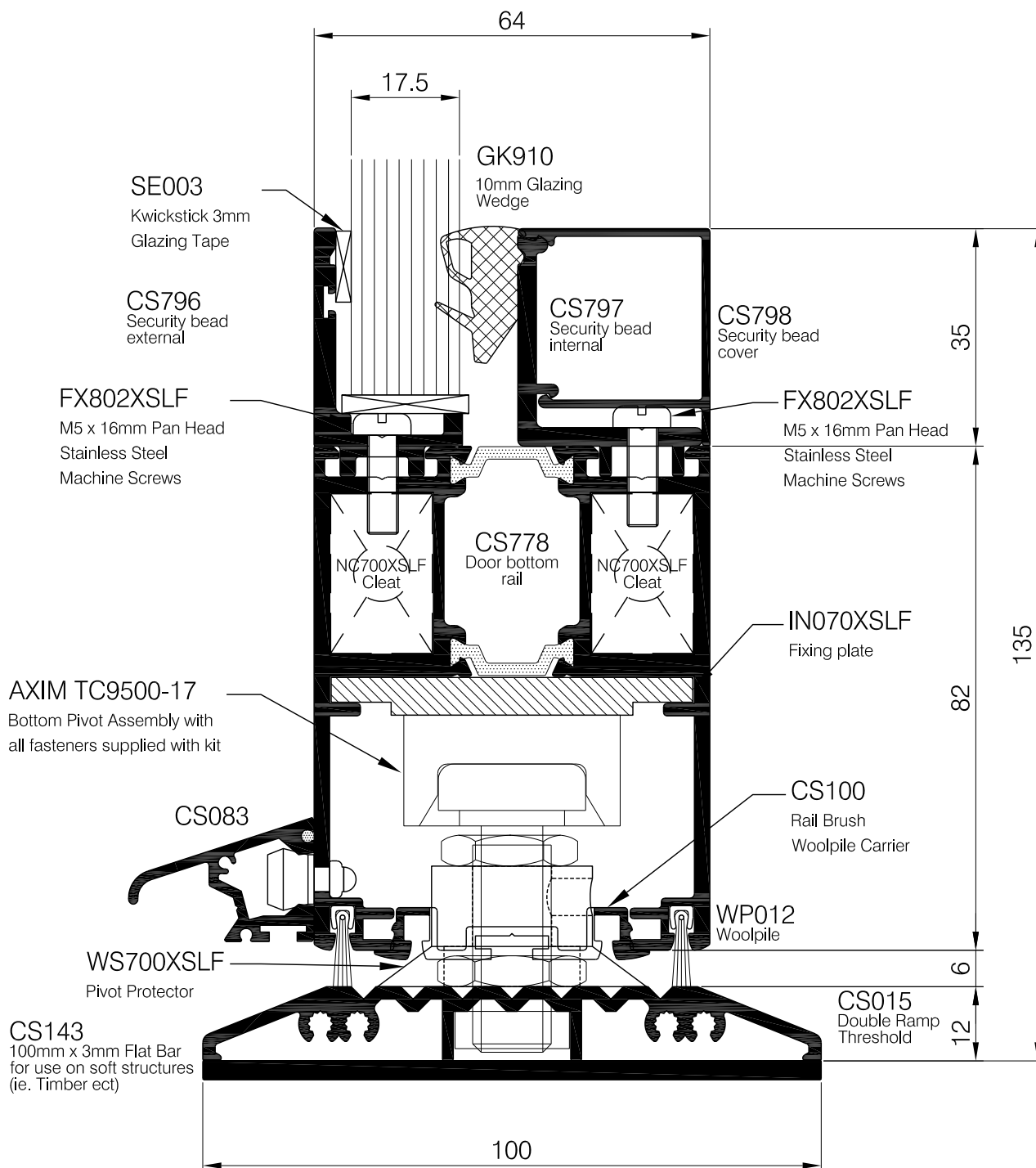
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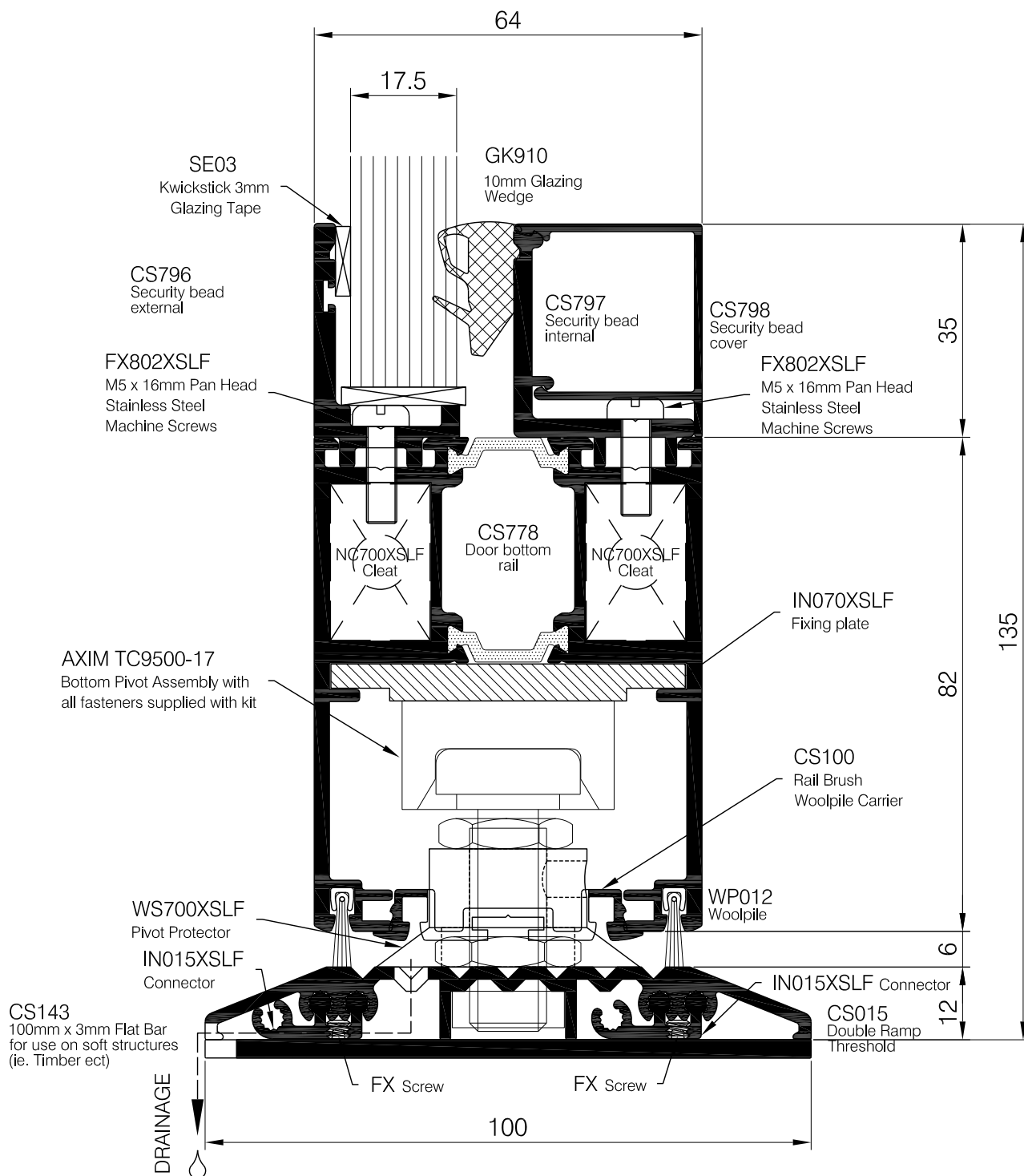


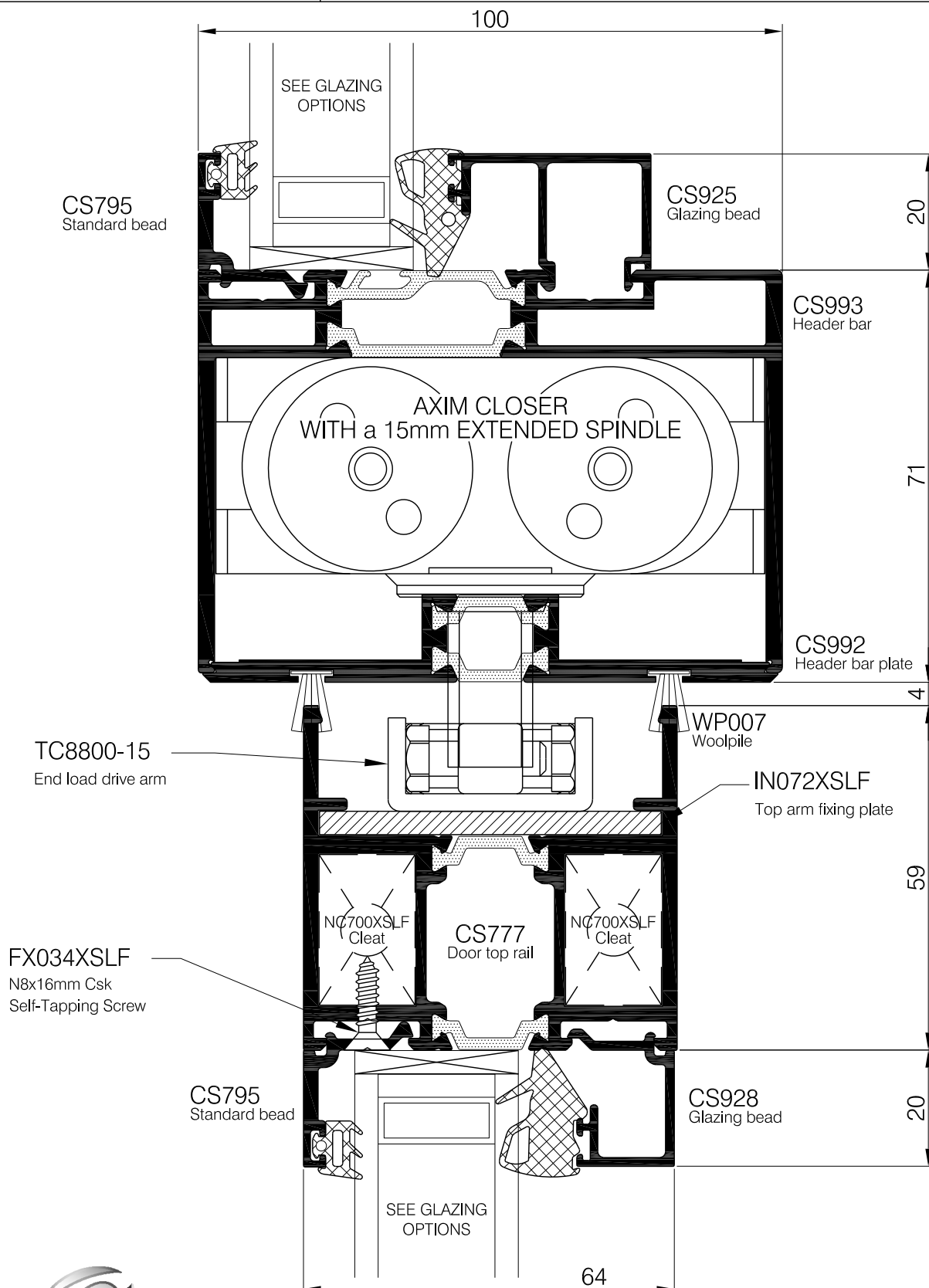
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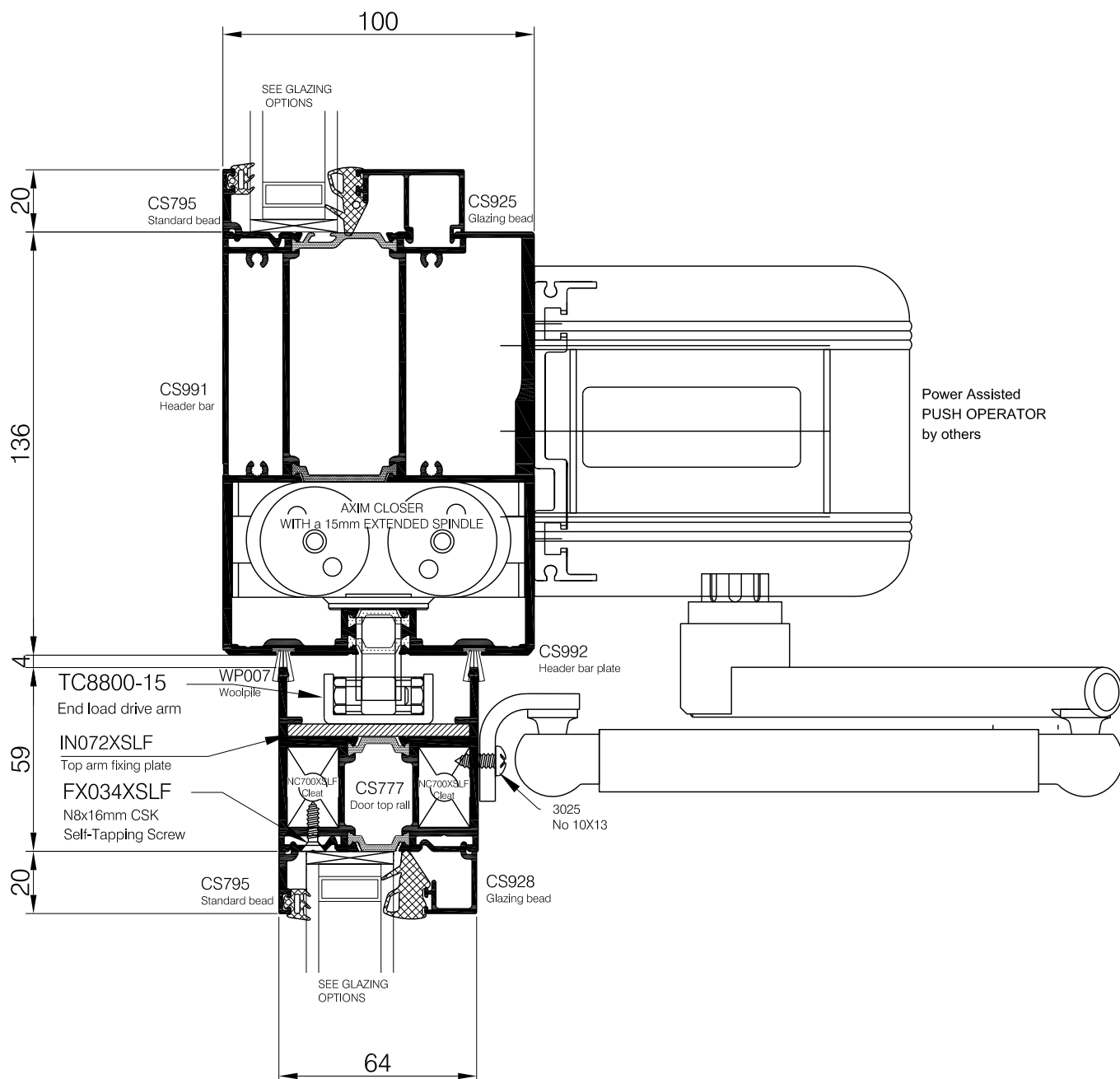


comar 7P.i

TITLE
**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.
2.03.1

SUB TITLE
**STANDARD OPTION
HEAD DETAIL -CS991**



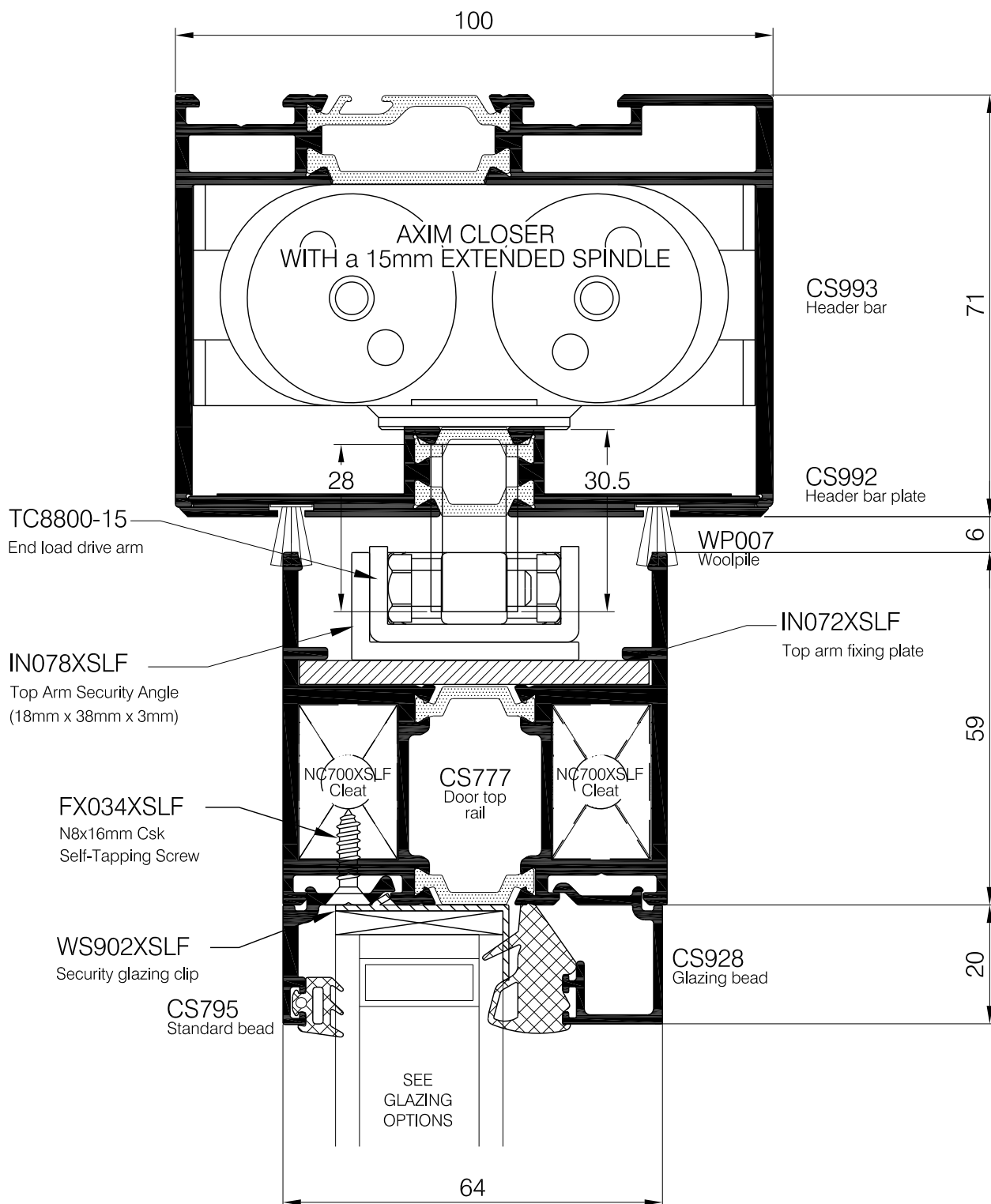
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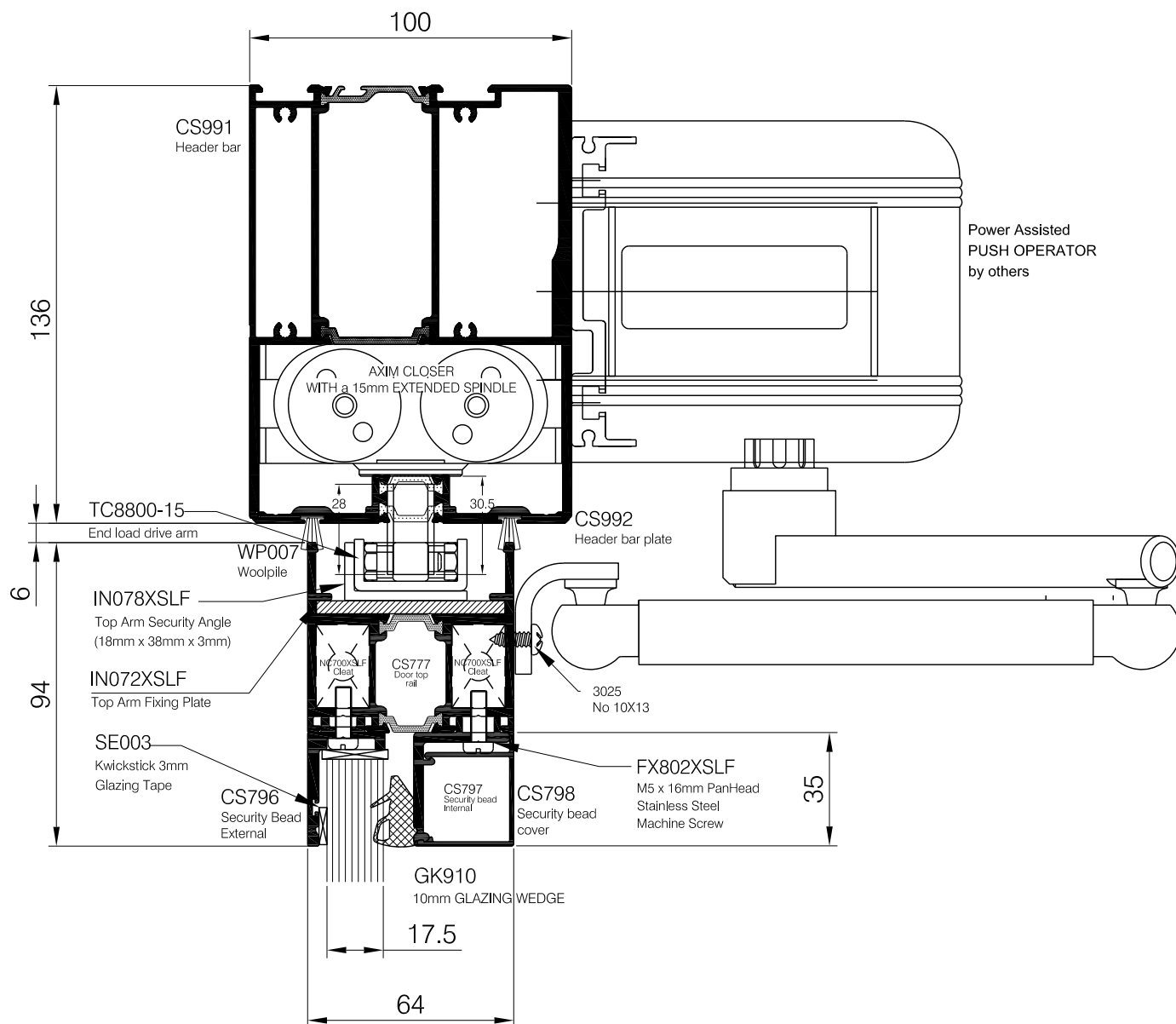


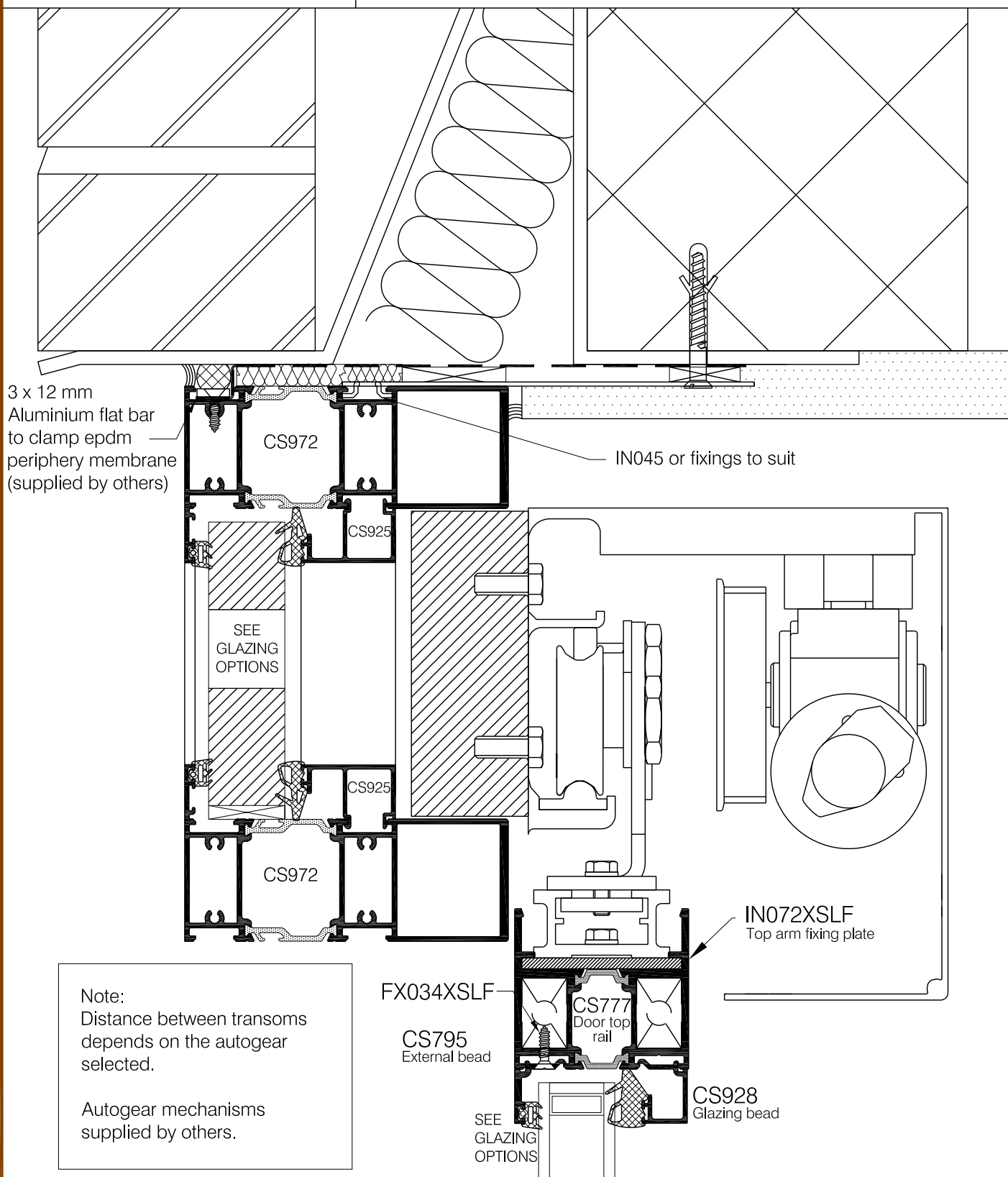
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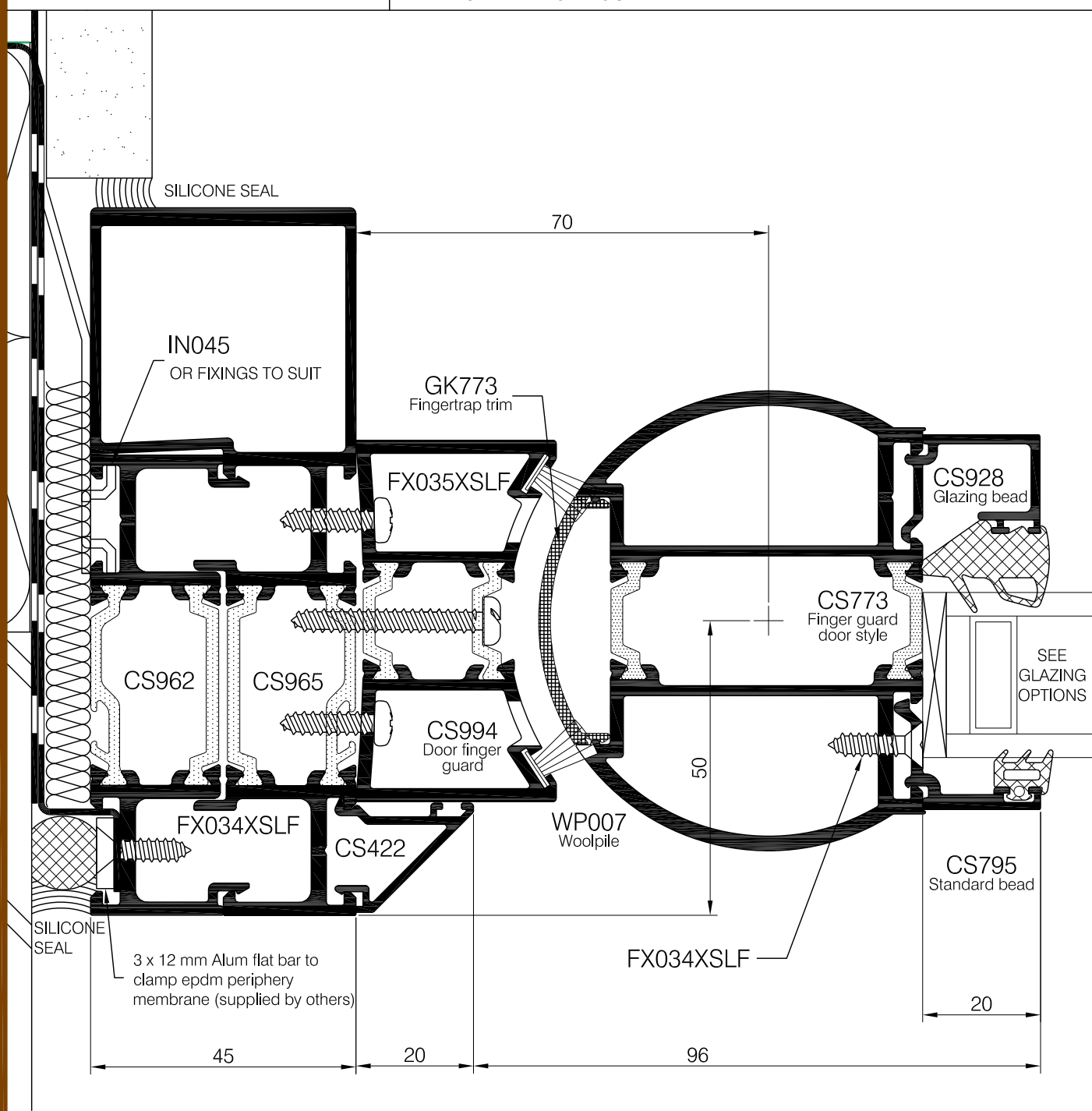
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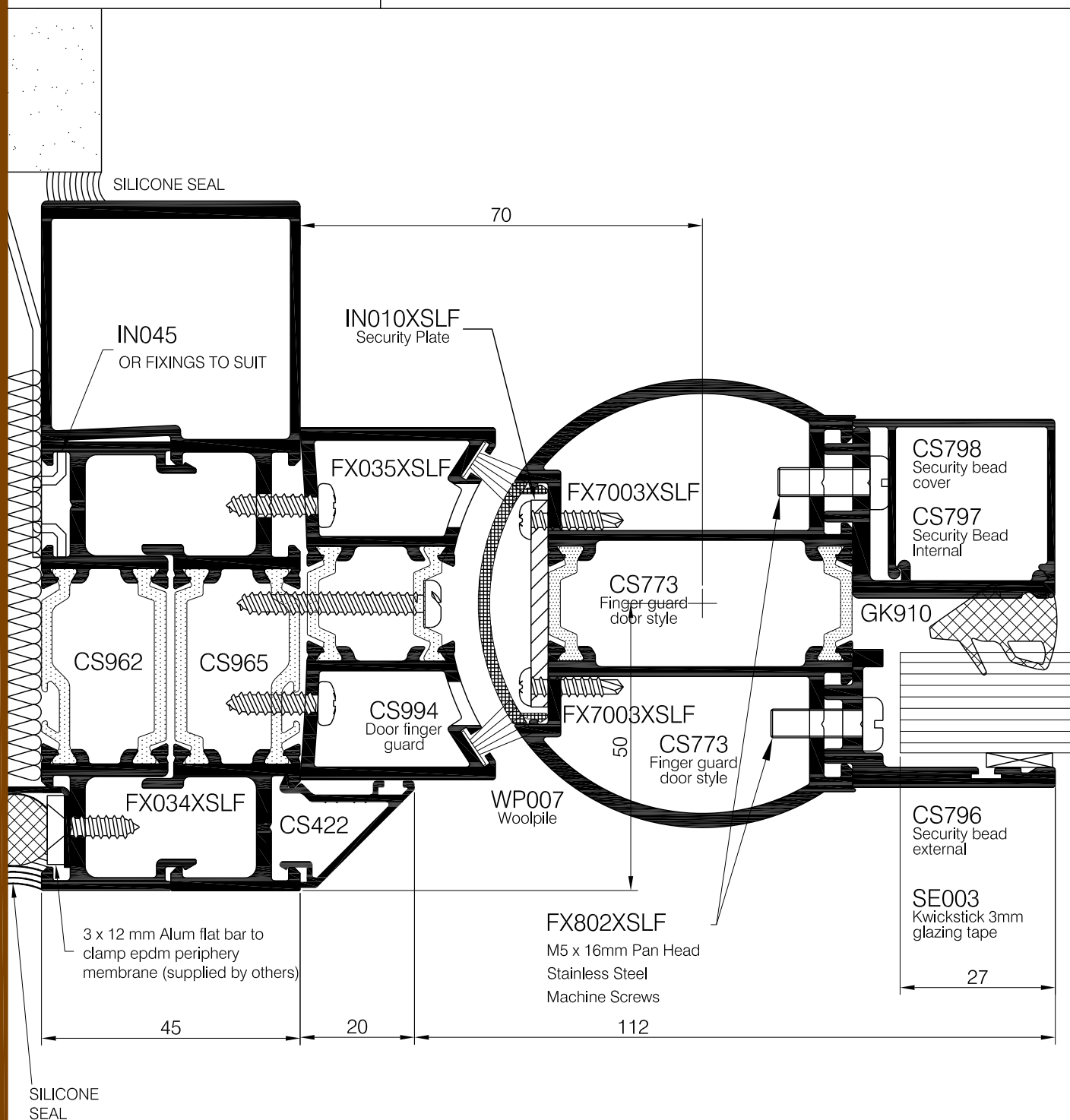
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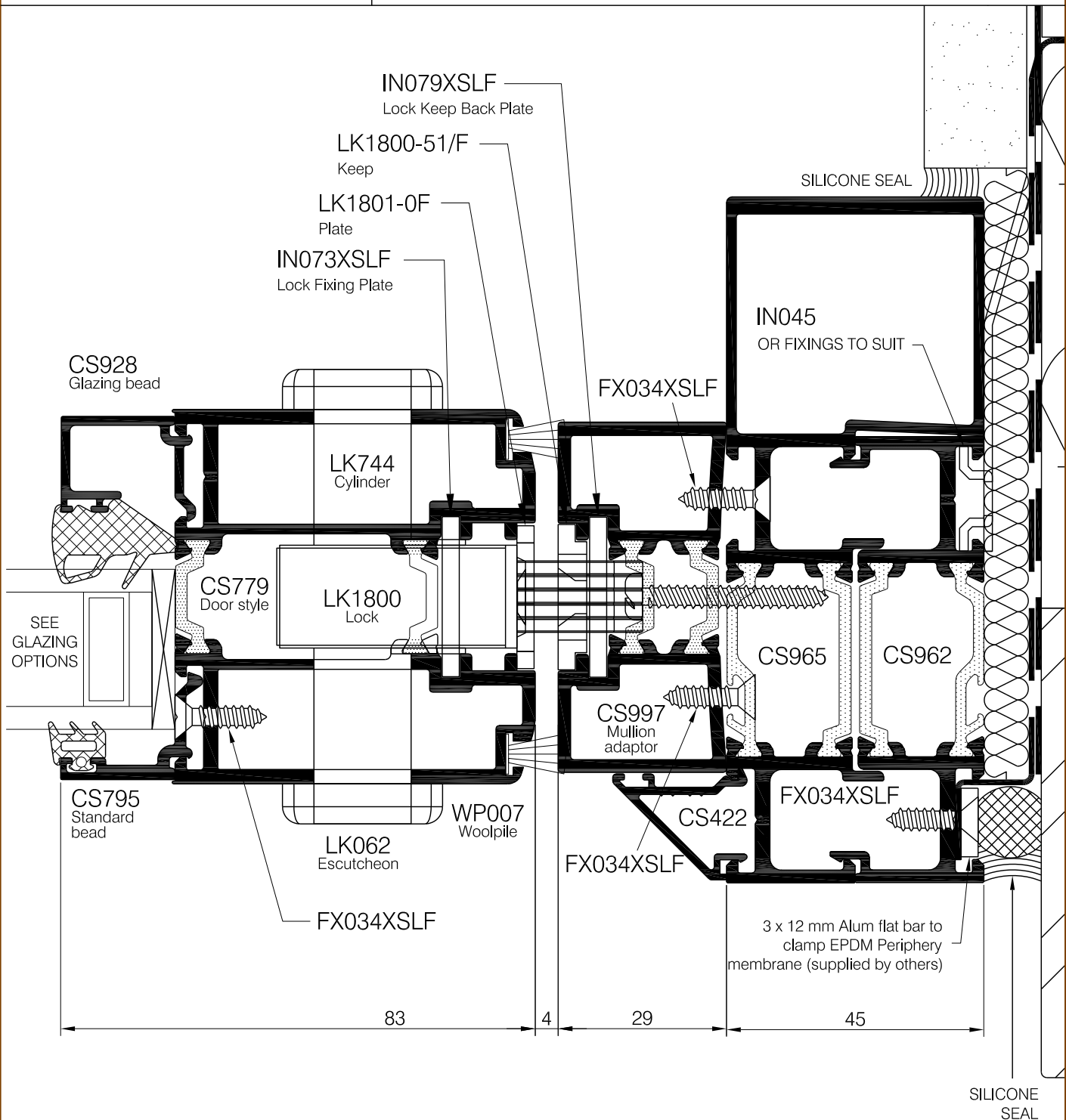


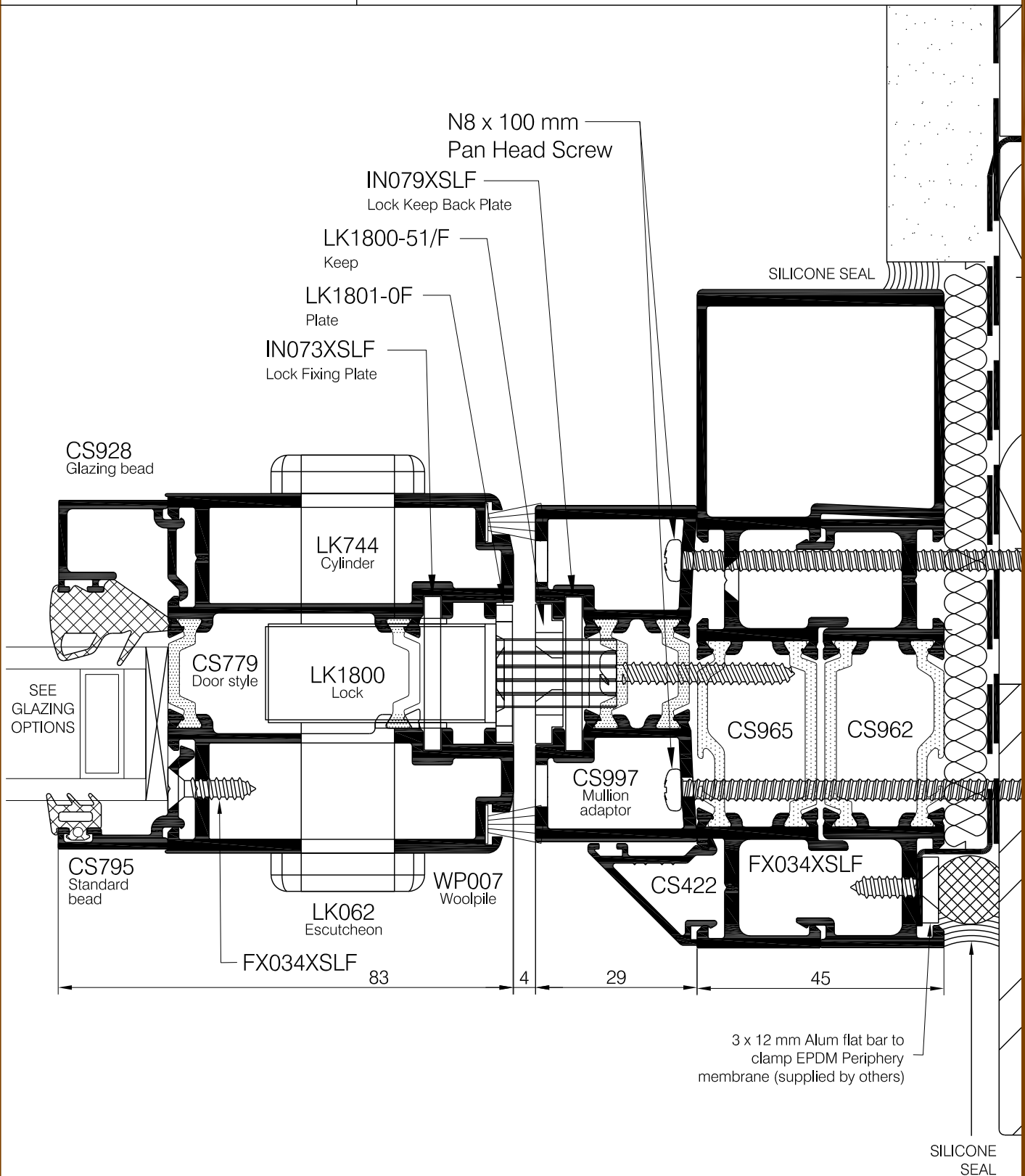












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**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.
2.08.2

SUB TITLE
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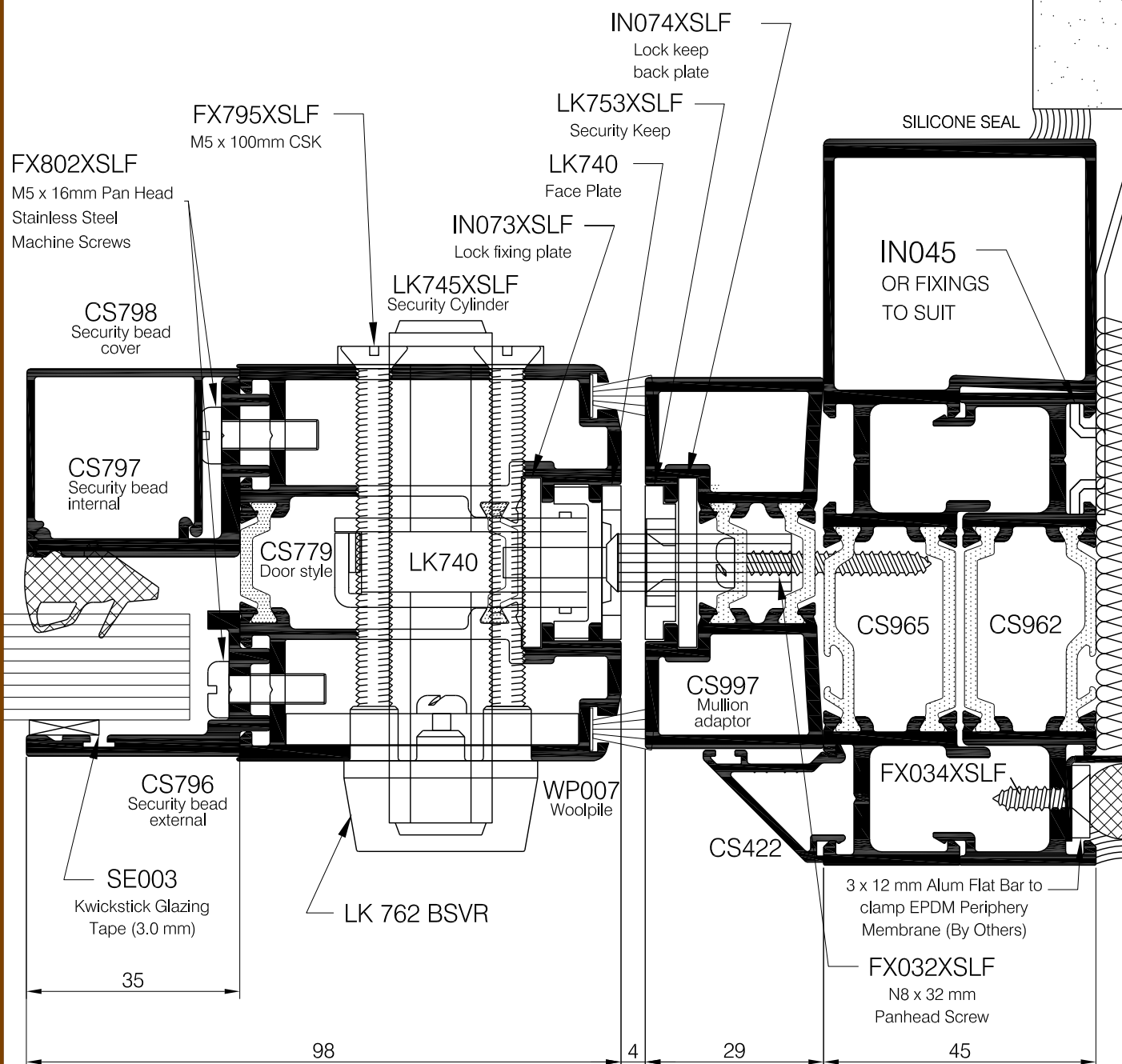
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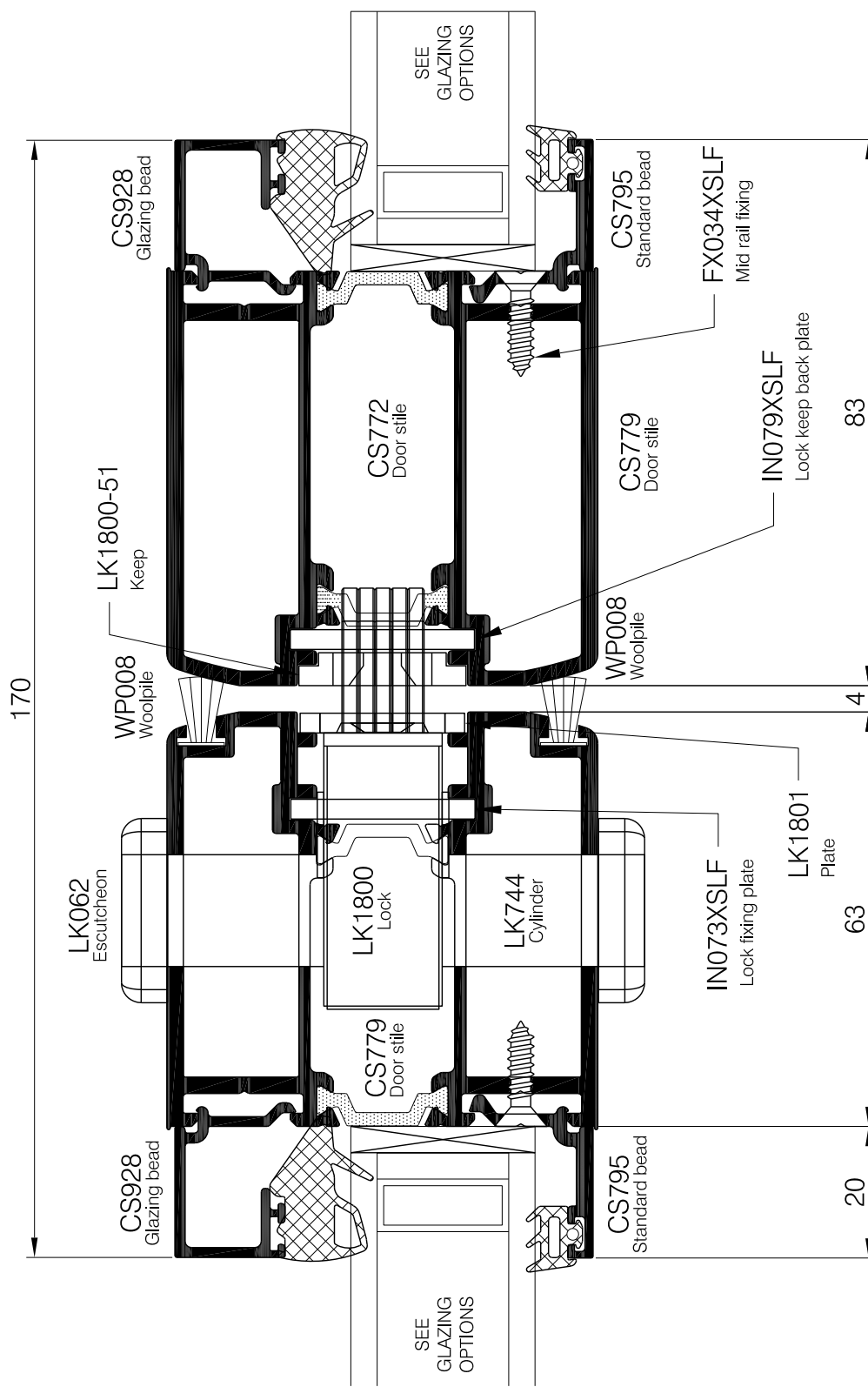


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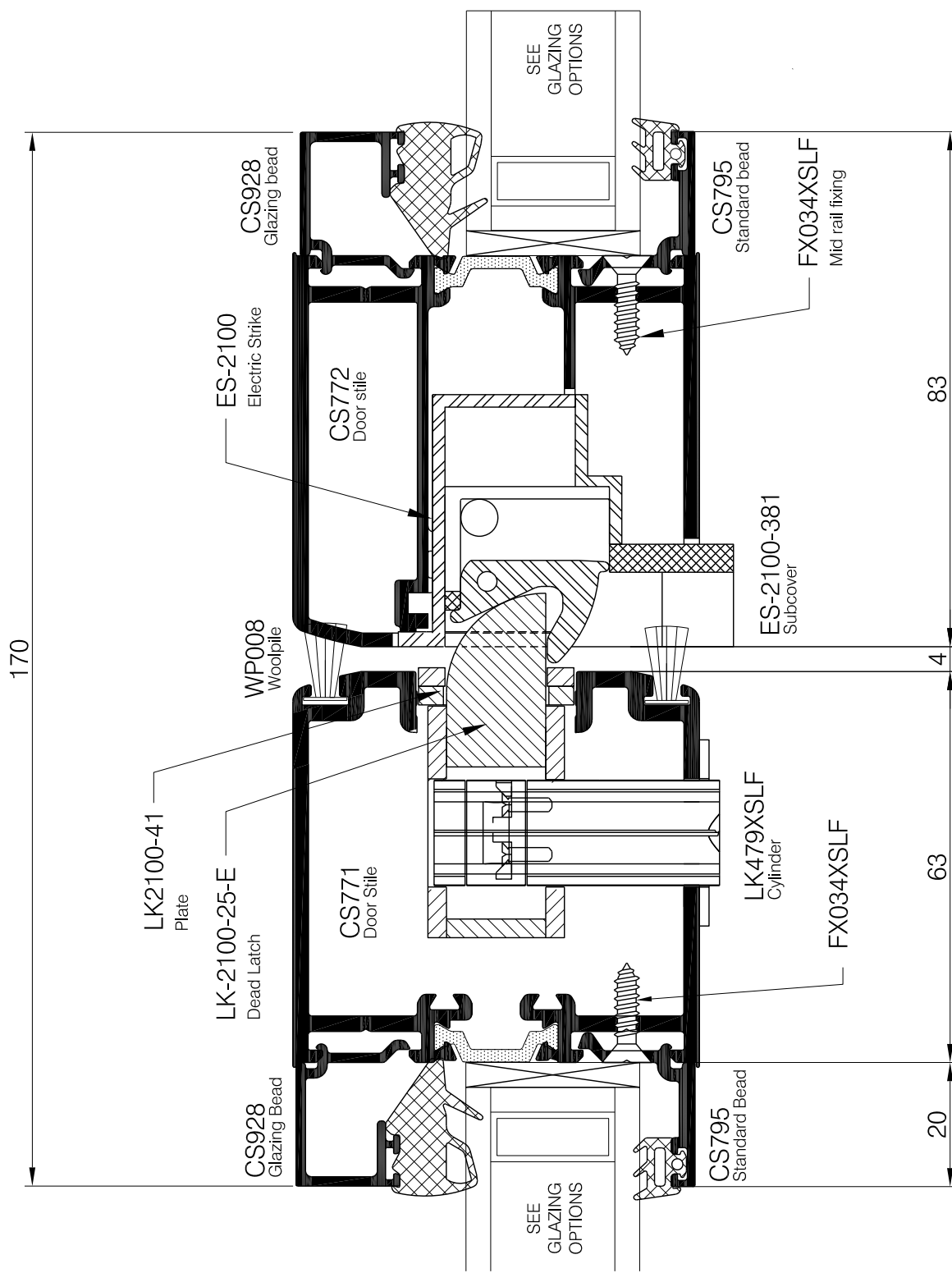
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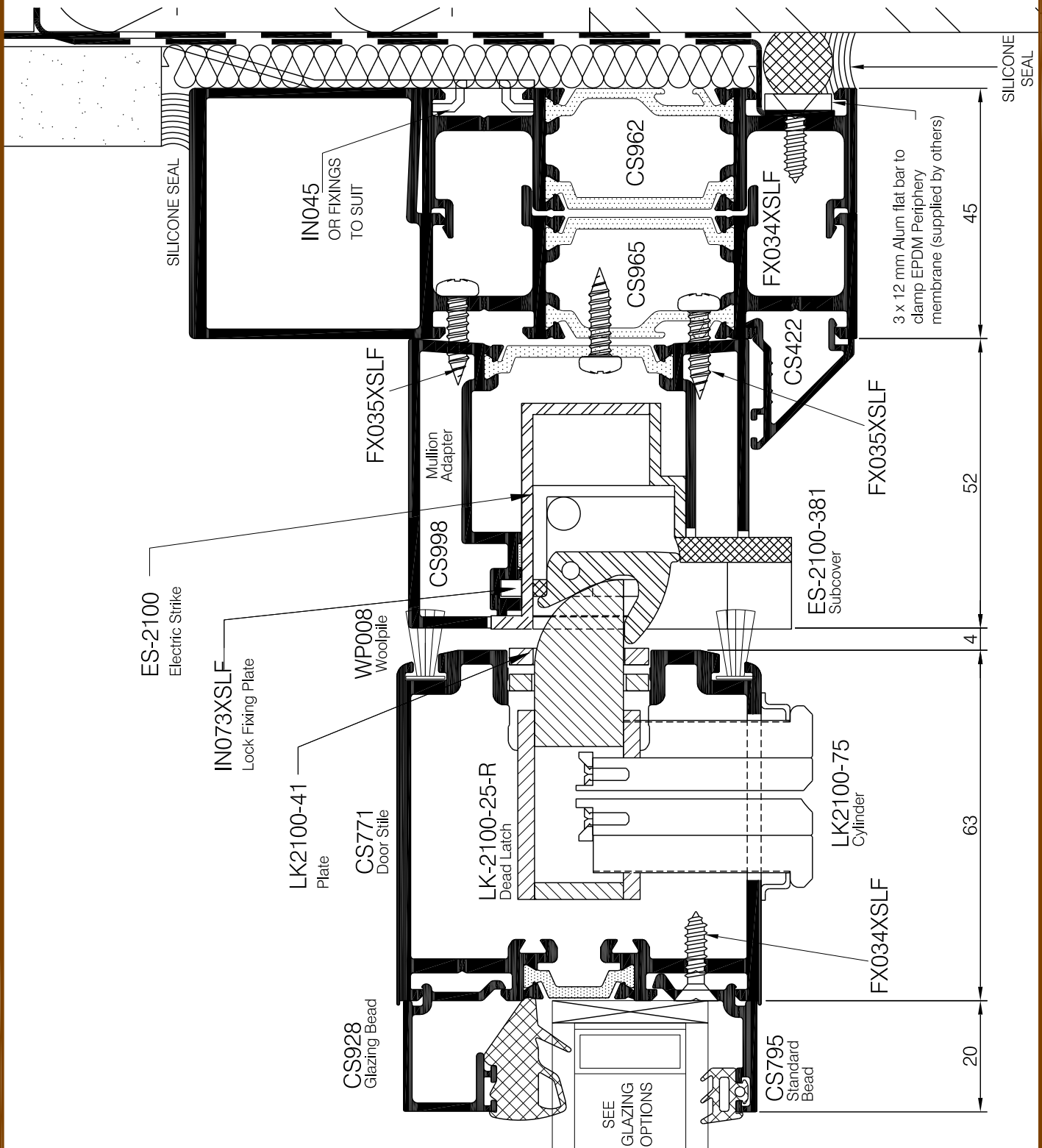
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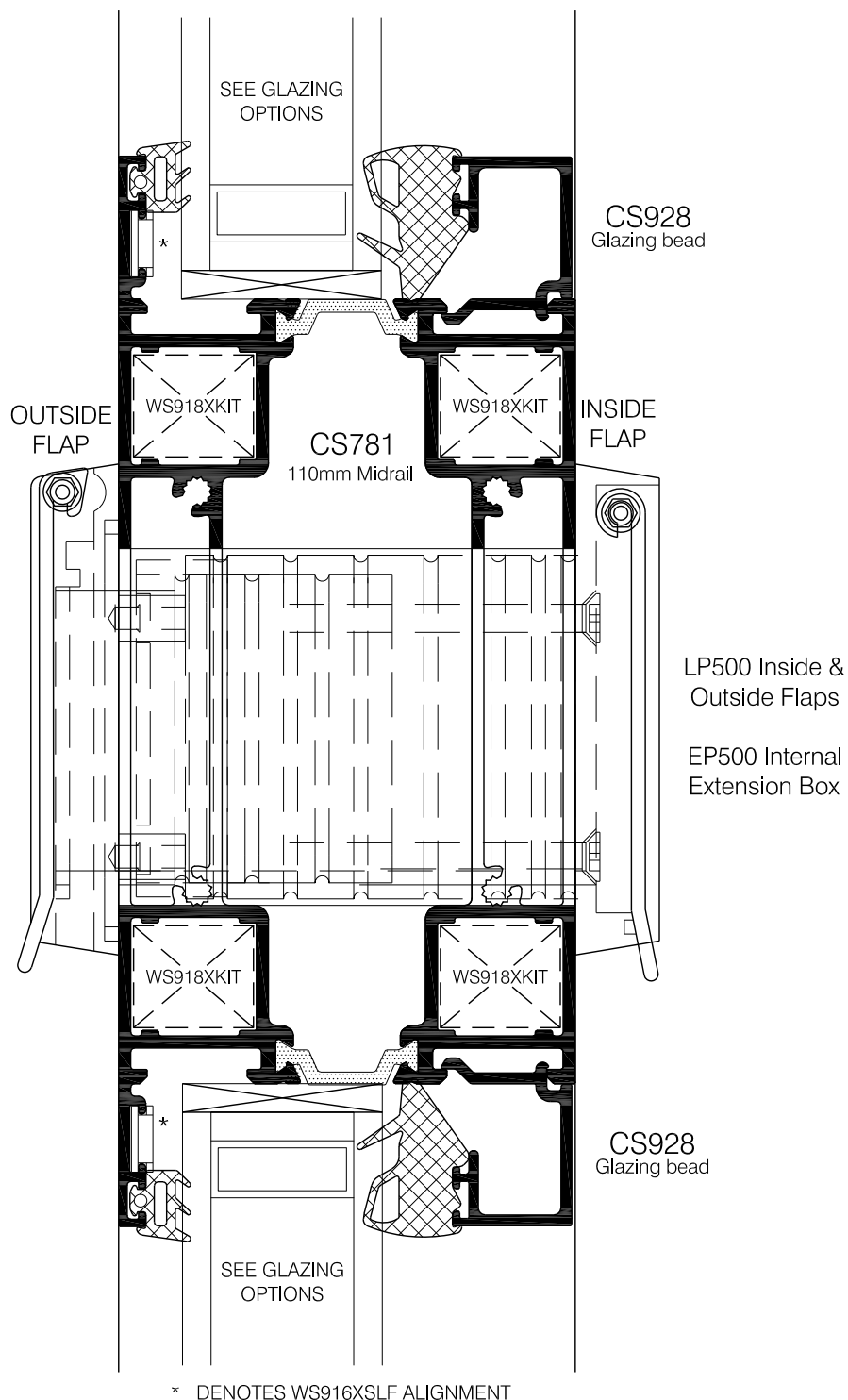


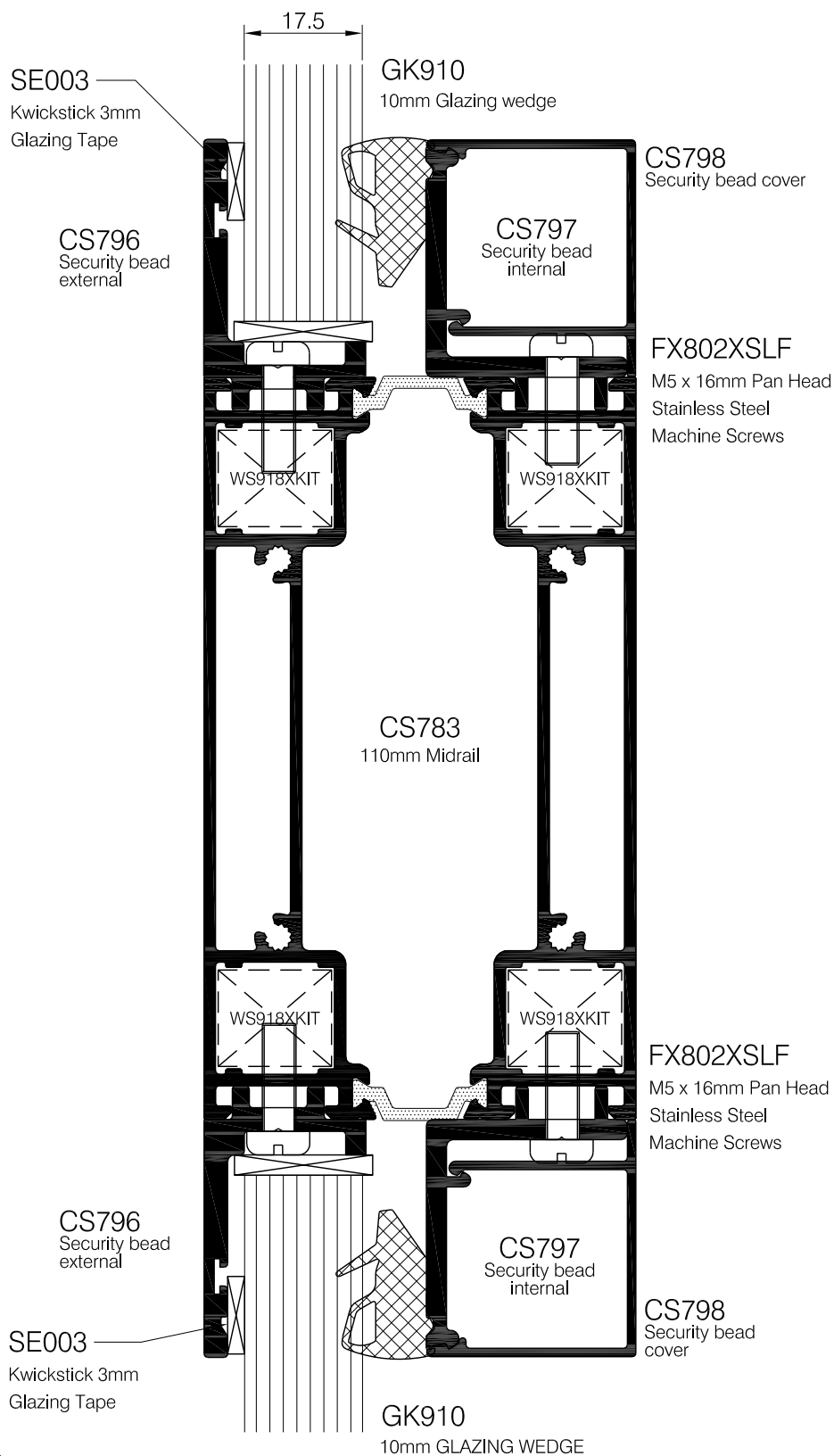


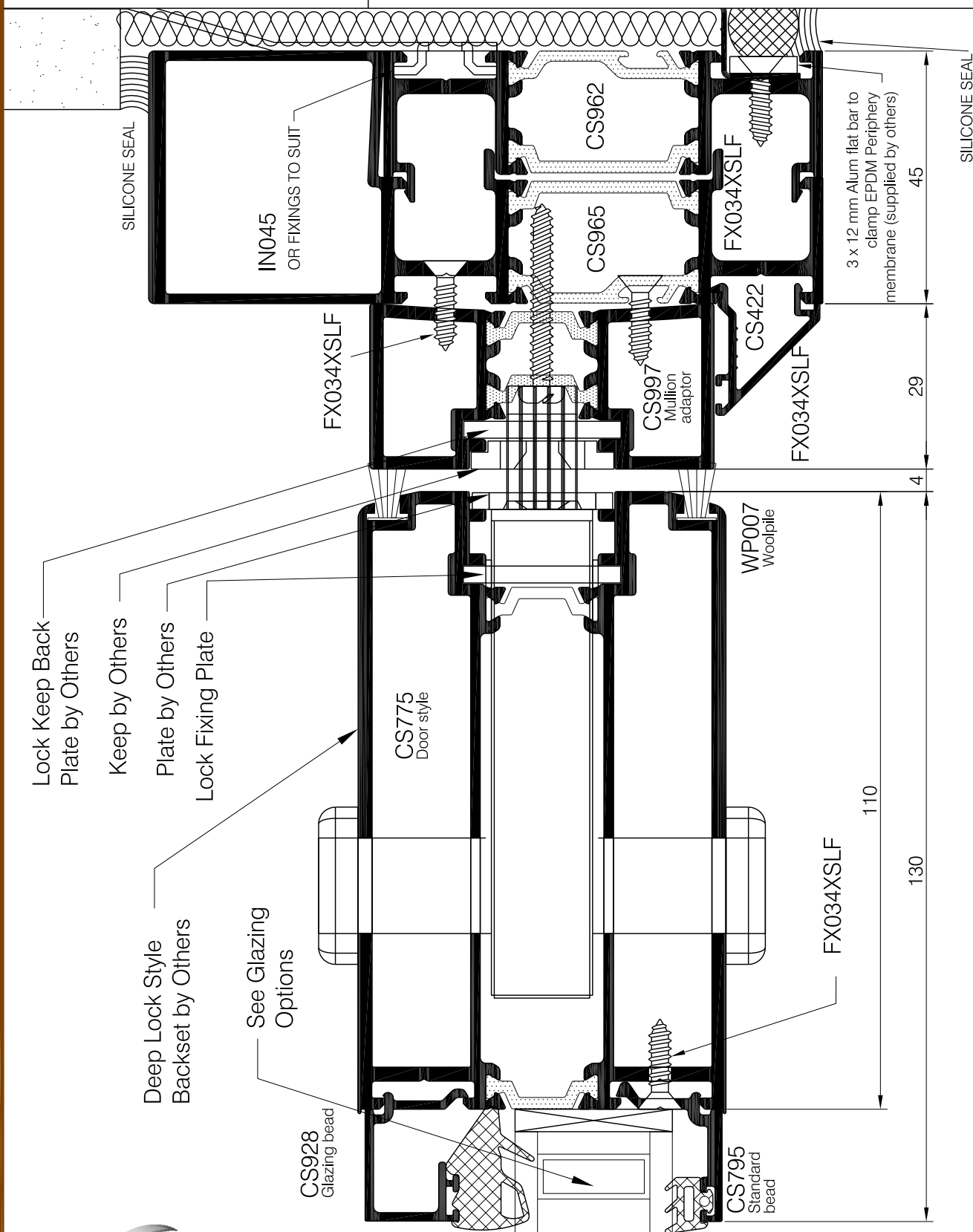
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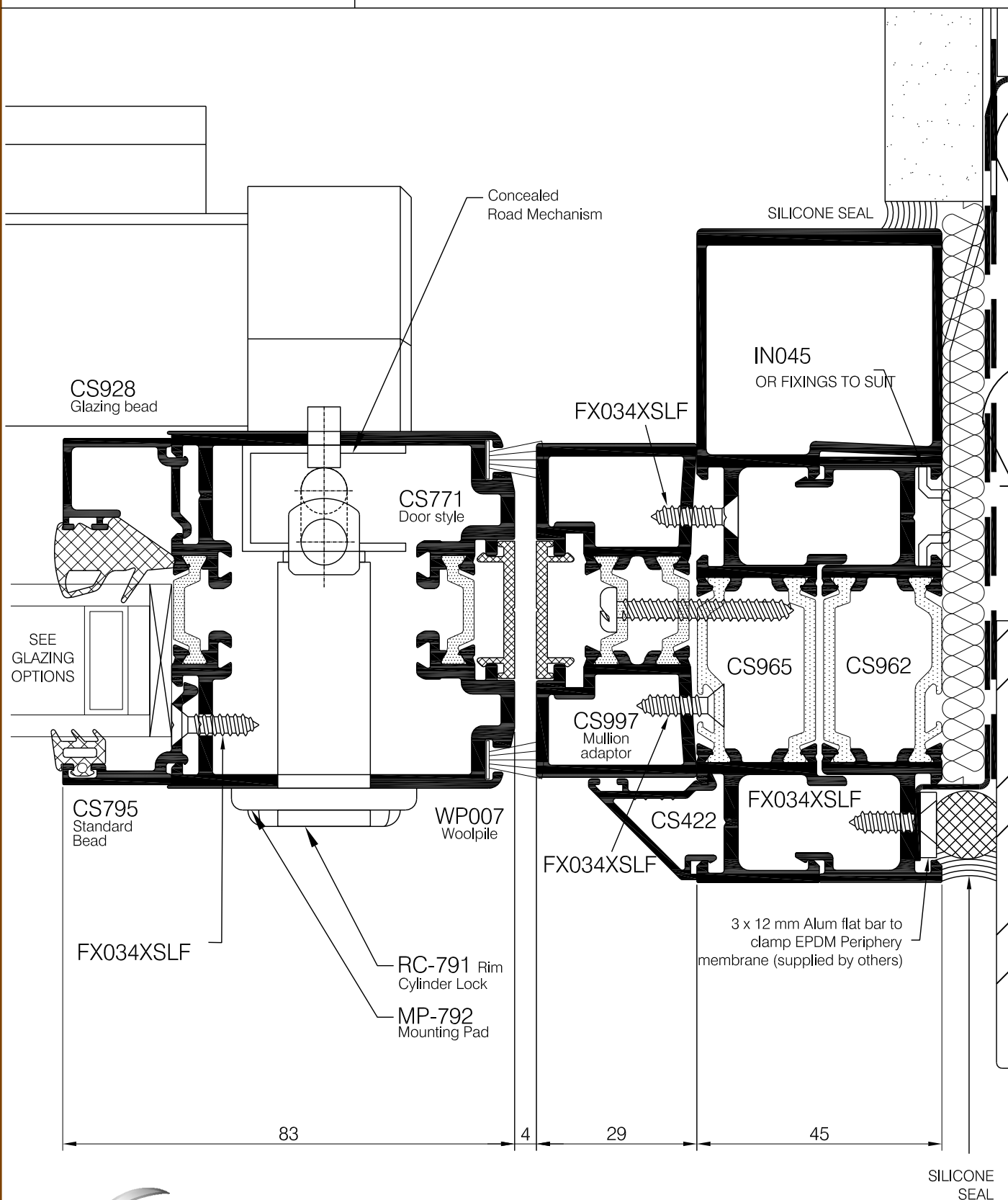


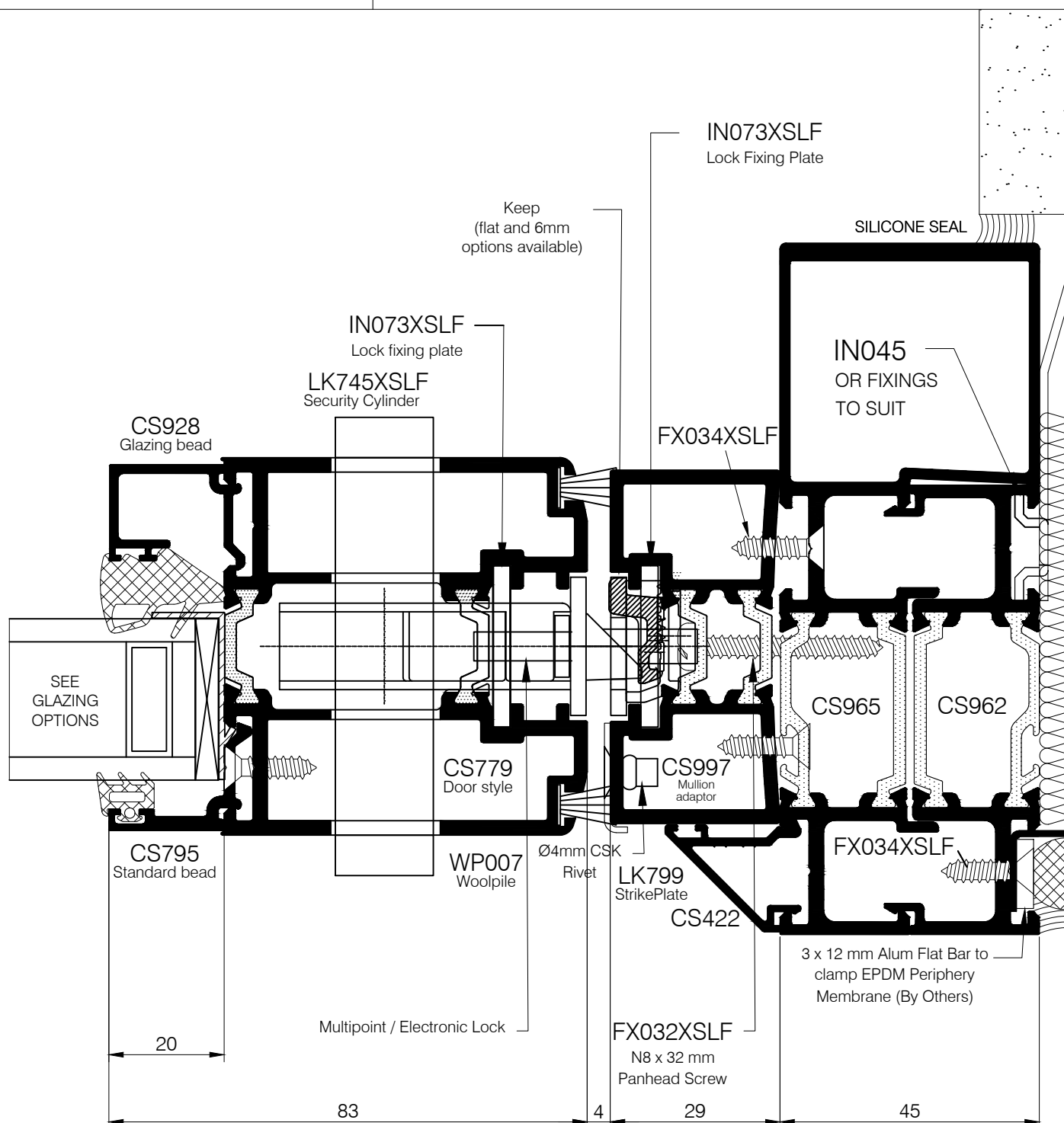






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Note: Locking mechanism will not throw latches if gap between keeps and latches exceeds 4mm. 6mm keeps and magnet are available to reduce the gap.

Flat Keeps & Magnet	
Description	Part No
Flat Centre Keep LH	LK750XSFL
Flat Centre Keep RH	LK749XSFL
Flat Keep	LK751XSFL
Flat Magnet	LK776XSFL

6mm Keeps & Magnet	
Description	Part No
6.5mm Centre Keep LH	LK773XSFL
6.5mm Centre Keep RH	LK774XSFL
6.6mm "U" Keep	LK775XSFL
6.6mm Magnet	LK777XSFL

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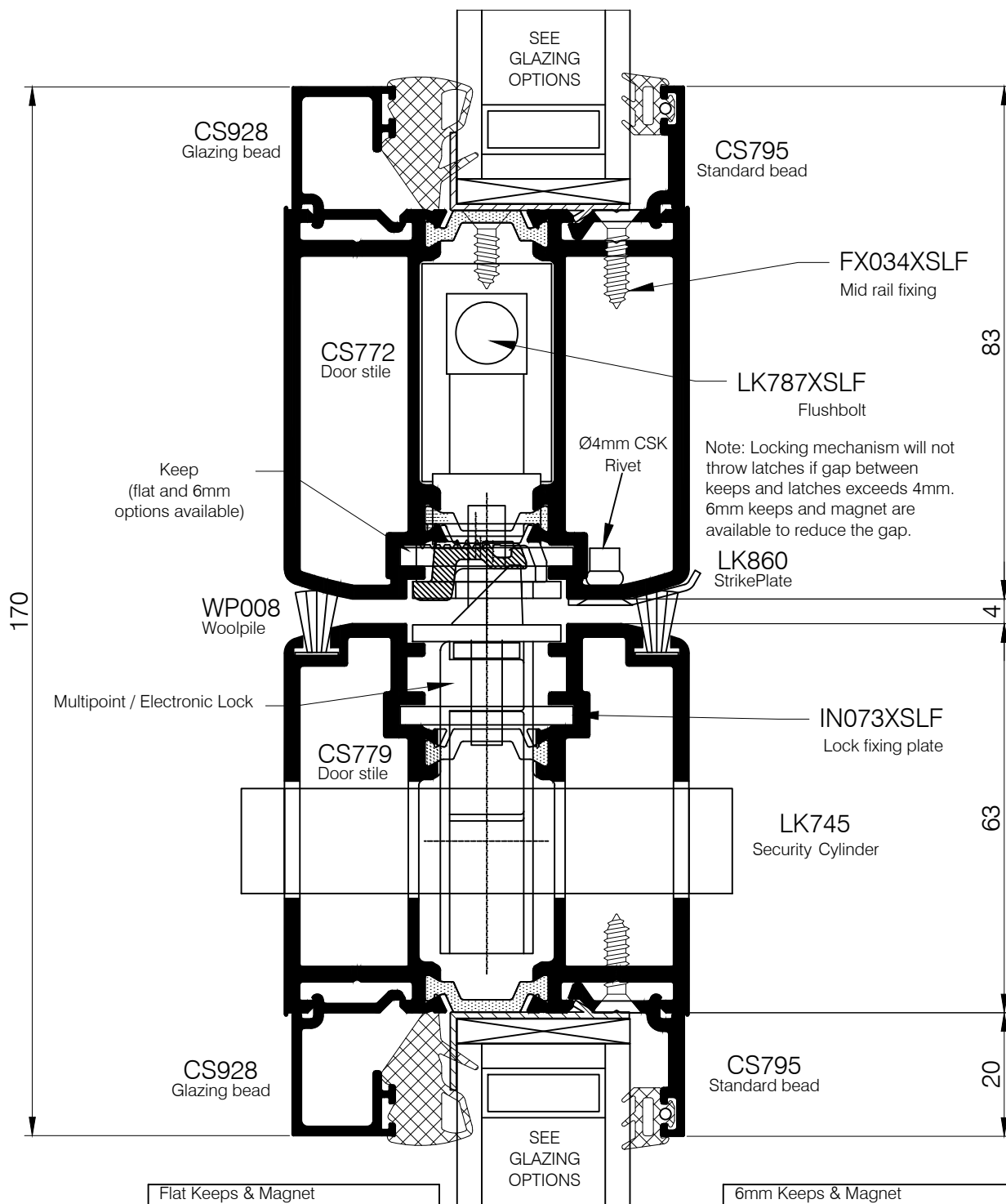


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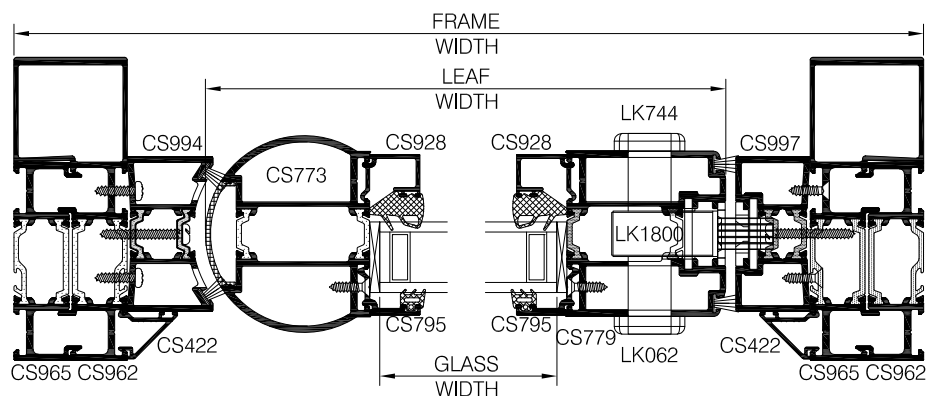
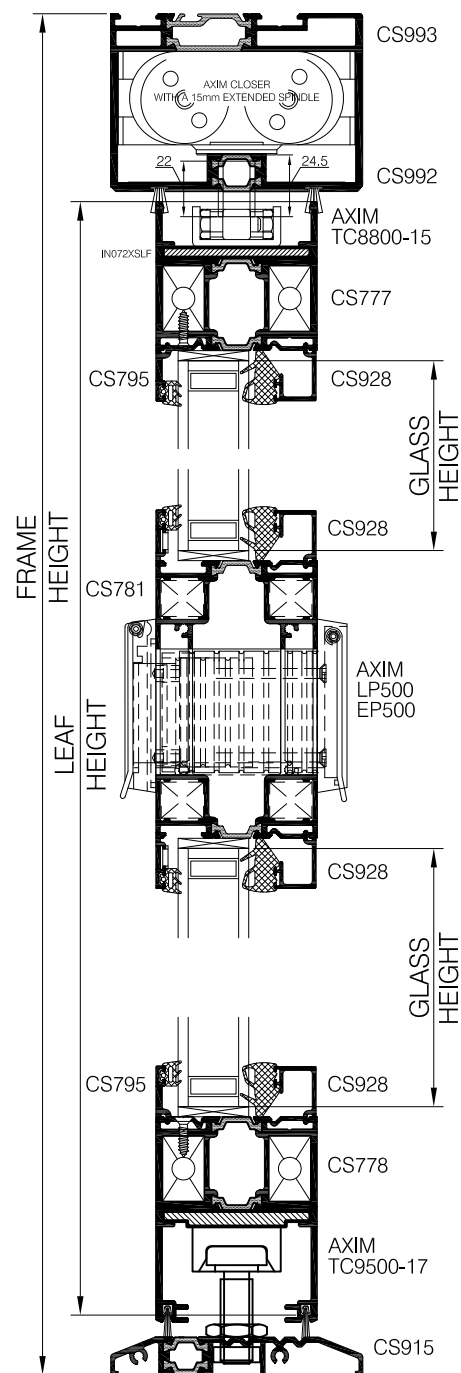
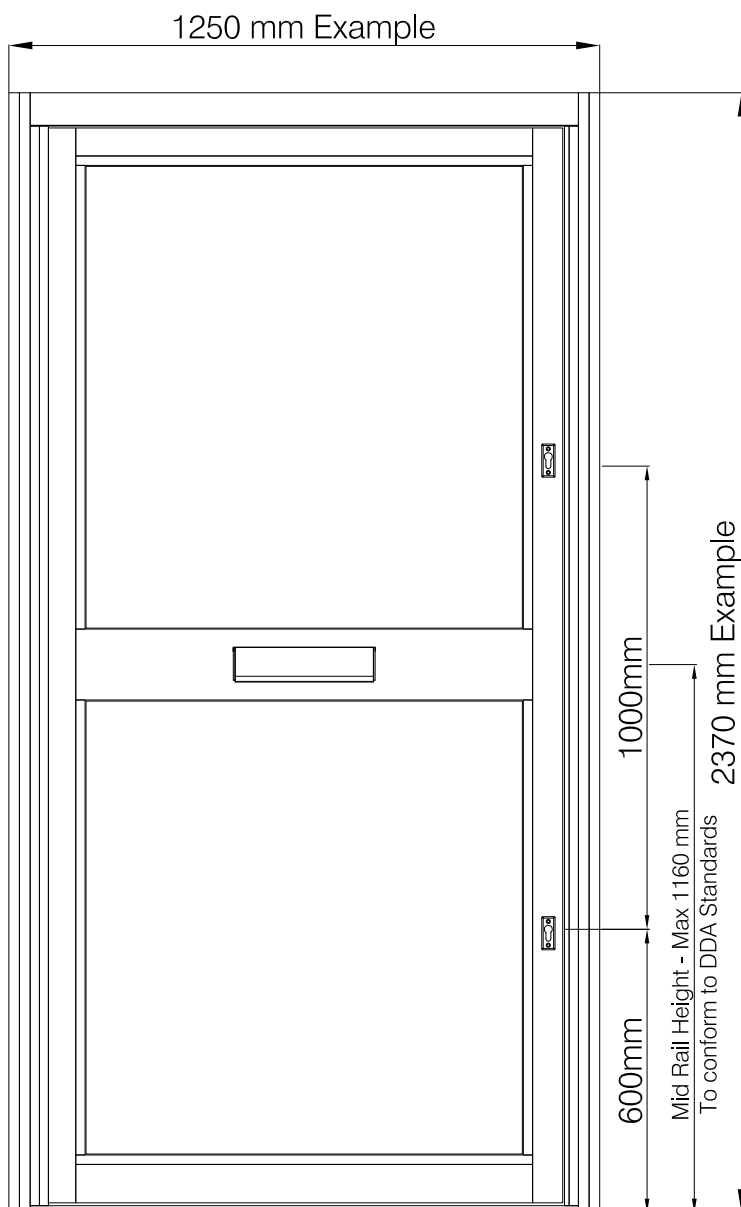
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DRAWN	NRA/KP	
DRG. No.	C7Pi-CD-2.16	R2



Flat Keeps & Magnet	
Description	Part No
Flat Centre Keep LH	LK750XSLF
Flat Centre Keep RH	LK749XSLF
Flat Keep	LK751XSLF
Flat Magnet	LK776XSLF

6mm Keeps & Magnet	
Description	Part No
6.5mm Centre Keep LH	LK773XSLF
6.5mm Centre Keep RH	LK774XSLF
6.6mm "U" Keep	LK775XSLF
6.6mm Magnet	LK777XSLF





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ABBREVIATIONS

(B) = OVERALL WIDTH (H) = OVERALL HEIGHT

Example Cutting List for Standard Swing Door Outer Frame 1250 mm (B) x 2370 mm (H)					
FRAME - DRIP SECTION	CS083	— 1 @	B - 154	1,096.0 mm	
BEAD - VERTICAL	CS422	— 2 @	H - 78	2,289.0 mm	
FRAME - MULLION	CS965	— 2 @	H	2,370.0 mm	
FRAME - INFILL PLATE	CS962	— 2 @	H	2,370.0 mm	
FRAME - HEADER BAR	CS993	— 1 @	B - 90	1,160.0 mm	
FRAME - HEADER BAR PLATE	CS992	— 1 @	B - 90	1,160.0 mm	
DOUBLE RAMP THRESHOLD	CS915	— 1 @	B - 90	1,160.0 mm	
DOOR FINGER GUARD	CS994	— 1 @	H - 88.6	2,281.4 mm	
MULLION ADAPTOR	CS997	— 1 @	H - 88.6	2,281.4 mm	
WOOLPILE	WP007	— 2 @	B - 90	1,160.0 mm	
WOOLPILE	WP007	— 2 @	H - 88.6	2,281.4 mm	

Example Cutting List for Standard Swing Door Leaf with Mid-Rail set at 1160 mm exactly					
BEAD HORIZONTAL	CS928	— 4 @	B - 282.0	968.0 mm	
BEAD VERTICAL - TOP	CS928	— 2 @	H - 1,385.3	984.7 mm	
BEAD VERTICAL - BOTTOM	CS928	— 2 @	H - 1,407.8	962.2 mm	
DOOR - AFT STILE	CS773	— 1 @	H - 95.6	2,274.4 mm	
DOOR - TOP RAIL	CS777	— 1 @	B - 282.0	968.0 mm	
DOOR - BOTTOM RAIL	CS778	— 1 @	B - 282.0	968.0 mm	
DOOR - STILE	CS779	— 1 @	H - 95.6	2,274.4 mm	
BEAD VERTICAL - TOP	CS795	— 2 @	H - 1385.3	984.7 mm	
BEAD HORIZONTAL	CS795	— 4 @	B - 282.0	968.0 mm	
BEAD VERTICAL - BOTTOM	CS795	— 2 @	H - 1407.8	962.2 mm	
DOOR - MID-RAIL	CS783	— 1 @	B - 282.0	968.0 mm	
DOOR PIVOT INFILL	GK773	— 1 @	H - 95.6	2,274.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 85.6	2,284.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 95.6	2,274.4 mm	
WOOLPILE	WP012	— 2 @	B - 230.6	1,019.4 mm	
WOOLPILE	WP007	— 2 @	H - 92.5	2,277.5 mm	
GLAZING GASKET EXT-TOP	GK425	1 @	(2xGLASS width) + (2xGLASS height) + 3%)		
GLAZING GASKET INT-TOP	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%)		
GLAZING GASKET EXT-BOT.	GK425	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%)		
GLAZING GASKET INT-BOT.	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%)		

28 MM DOUBLE GLAZED UNIT FOR FITTING INTO SINGLE DOOR (1250 mm x 2370 mm)					
GLASS - TOP	— 1 @	B - 292.6	H - 1358.6	957.4 mm	1011.4 mm
GLASS - BOTTOM	— 1 @	B - 292.6	H - 1377.4	957.4 mm	992.6 mm

(GLASS SIZE = SIGHT SIZE + 30 mm) (DOUBLE GLAZED UNIT (6 mm - 16 mm - 6 mm) = 28 mm)

GLASS WEIGHT-TOP ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 1.0114 mts) = 29.50 Kg's

GLASS WEIGHT-BOTTOM ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 0.9926 mts) = 28.51 Kg's

ACCESSORIES AND ADDITIONAL ITEMS		
Mortice Hook Lock	LK1800-30-E	— 2
AXIM Heavy Duty T/Load Bottom Pivot Assembly	TC-9500-17	— 1
N8 x 32mm Pan Head Self Tapping Screw	FX032XSFL	— 36
Nylon Stud for CS030 & CS083 - Snap Fit	FX046XSFL	— 6
Pop Rivet CS030 & CS083 - Snap Fit	FX047XSFL	— 6
M5 x 12mm Csk Pozi Mch Screw	FX079XSFL	— 4
AXIM A-Kit Jamb & Header Bar Kit - Pair	TC-8800-03	— 1
Escutcheon Set Kit - Silver	LK-062BSVR	— 4
AXIM Pad Handle Set - Silver	HD090BSVR	— 1
Aluminium Glue - 310ml (Specify the Colour)	SE007-008	— 1
N8 x 16mm Csk Self Tapping Screw	FX034XSFL	— 90
AXIM E/Load Top Arm & Channel	TC-8800-15	— 1
Face Plate - (F = Flat Face) (R = Radiused Face)	LK1801-0R/OF	— 2
Drip Profile End Cap x 2 for CS083	EC083DBLK	— 1
Strike Plate - (F = Flat Face) (R = Radiused Face)	LK1800-51-F/R	— 2
M5 x 16mm Pan Head Mch Screw	FX802XSFL	— 14
Cleat Transom Kit	WS918XKIT	— 8
Door Bottom Pivot Fixing Plate	IN070XSFL	— 1
Fixing Cleats and Bolts for Top & Bottom Rails	NC700XSFL	— 8
Door Lock Fixing Plate	IN073XSFL	— 4
Door Cleat Back Plate	IN075XSFL	— 8
Lock Cylinder 40 mm x 40 mm	LK744XSFL	— 2
M4 x 70mm Csk Pozi Mch Screw	FX744XSFL	— 8
M6 x 25mm Csk Pozi Mch Screw	FX726XSFL	— 4
Top Arm Fixing Plate	IN072XSFL	— 1
M10 Extension Studs for Pad Handle	FX082XSFL	— 2
AXIM Size 2 Hold Open (15mm Ext Spindle)	TC-8802-90-15	— 1
Door Lock Keep Back Plate	IN079XSFL	— 2

IMPORTANT NOTE

DUE TO MANUFACTURING AND PRODUCTION TOLERANCES OF ALUMINIUM, PAINTING, ANODISING, GLASS, PANELS, GASKETS, PROFILES SELECTED, THE NUMBER OF DOORS FITTED AND THE CONFIGURATION. CHECK YOUR GLAZING DIMENSIONS AND TRIAL THE GLASS SIZE FORMULA BEFORE PROCEEDING WITH ANY BULK ORDERS.



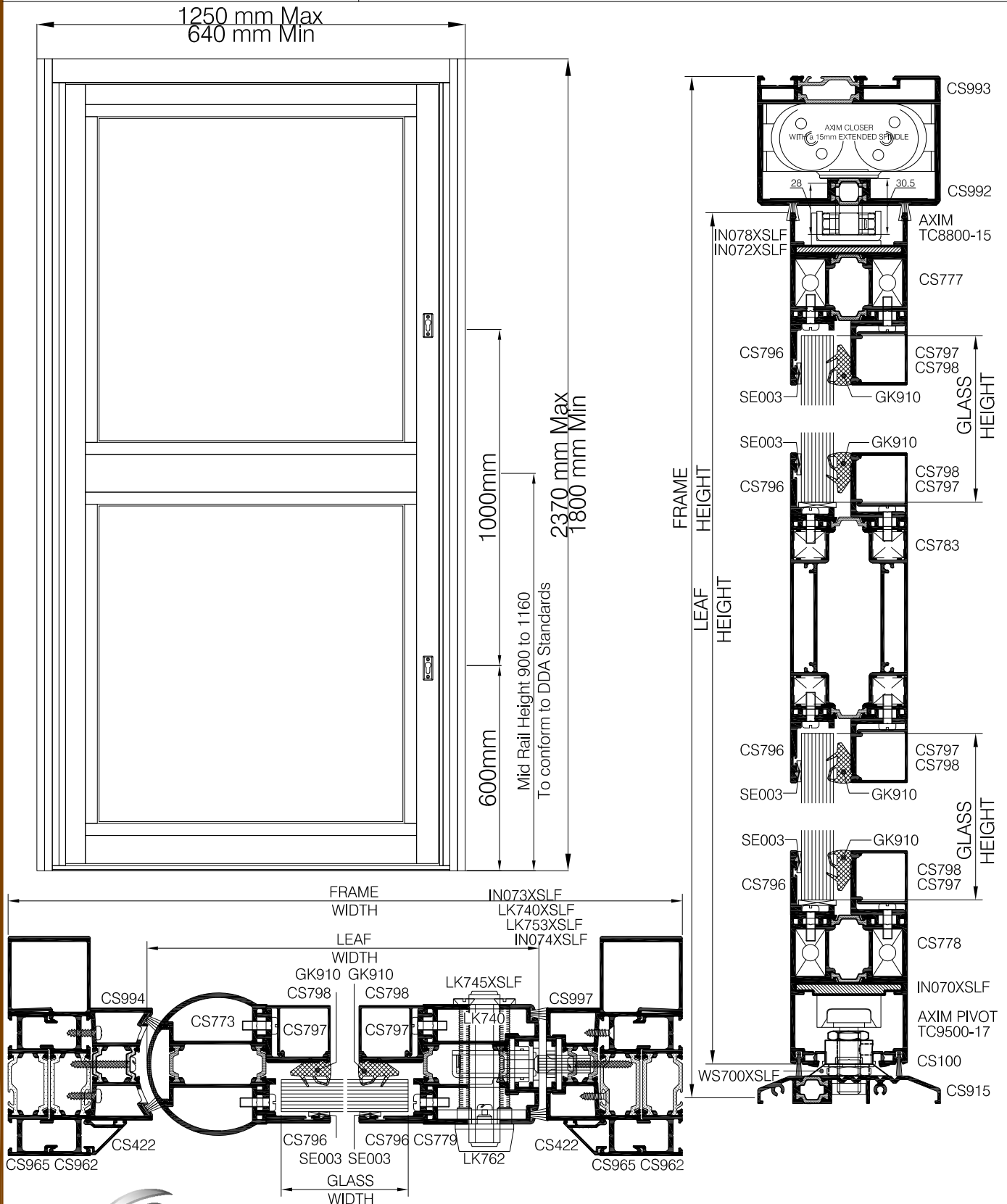
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SCALE	NTS	@ A4
DATE	18/01/2018	
DRAWN	VM / NRA	
DRG. No.	C7Pi-CD-3.02	R3



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ABBREVIATIONS

(B) = OVERALL WIDTH (H) = OVERALL HEIGHT

Example Cutting List for Security Swing Door Outer Frame (1,250 mm x 2,370 mm)				
FRAME - DRIP SECTION	CS083	— 1 @	B - 154	1,096.0 mm
SLOPED BEAD - VERTICAL	CS422	— 2 @	H - 78	2,289.0 mm
FRAME - MULLION	CS965	— 2 @	H	2,370.0 mm
FRAME - INFILL PLATE	CS962	— 2 @	H	2,370.0 mm
FRAME - HEADER BAR	CS993	— 1 @	B - 90	1,160.0 mm
FRAME - HEADER BAR PLATE	CS992	— 1 @	B - 90	1,160.0 mm
DOOR PIVOT 70 mm CARRIER	CS994	— 1 @	H - 85.6	2,281.4 mm
DOOR STARTER	CS997	— 1 @	H - 85.6	2,281.4 mm
DOUBLE RAMP THRESHOLD	CS915	— 1 @	B - 90	1,160.0 mm
WOOLPILE	WP007	— 2 @	B - 90	1,160.0 mm
WOOLPILE	WP007	— 2 @	H - 85.6	2,281.4 mm

Example Cutting List for Security Swing Door Leaf with Mid-Rail set at 1,160 mm exactly				
DOOR CLEAT BACK PLATE	CS734	— 1 @	B - 90	1,118.0 mm
DOOR - ANTI FINGER STILE	CS773	— 1 @	H - 97.6	2,272.4 mm
DOOR - TOP RAIL	CS777	— 1 @	B - 282.0	968.0 mm
DOOR - BOTTOM RAIL	CS778	— 1 @	B - 282.0	968.0 mm
DOOR - STILE	CS779	— 1 @	H - 97.6	2,272.4 mm
BEAD - HORIZONTAL - EXT	CS796	— 4 @	B - 282.0	968.0 mm
BEAD - VERTICAL - TOP- EXT	CS796	— 2 @	H - 298.8	951.2 mm
BEAD - VERTICAL - BOT- EXT	CS796	— 2 @	H - 321.3	928.7 mm
BEAD - HORIZONTAL - INT	CS797	— 4 @	B - 282.0	968.0 mm
BEAD - VERTICAL - TOP- INT	CS797	— 2 @	H - 298.8	951.2 mm
BEAD - VERTICAL - BOT- INT	CS797	— 2 @	H - 321.3	928.7 mm
BEAD - HORIZONTAL - INT	CS798	— 4 @	B - 282.0	968.0 mm
BEAD - VERTICAL - BOT- INT	CS798	— 2 @	H - 298.8	951.2 mm
BEAD - VERTICAL - TOP- INT	CS798	— 2 @	H - 321.3	928.7 mm
DOOR - PIVOT INFILL	GK773	— 1 @	H - 97.6	2,272.4 mm
DOOR CAVITY FILLER	GK754	— 1 @	H - 97.6	2,272.4 mm
DOOR CAVITY FILLER	GK754	— 1 @	H - 97.6	2,272.4 mm
DOOR - MID-RAIL 110 mm	CS783	— 1 @	B - 282.0	968.0 mm
WOOLPILE	WP007	— 2 @	H - 97.6	2,272.6 mm
WOOLPILE	WP012	— 2 @	B - 230.6	1,019.4 mm
GLAZING Tape Exterior	SE003	— 4 @	B - 300.0	950.0 mm
GLAZING Gasket Interior	GK910	— 4 @	B - 280.0	970.0 mm
GLAZING Tape top pane	SE003	— 2 @	H - 1,364.0	1,006.0 mm
GLAZING Gasket top pane	GK910	— 2 @	H - 1,344.0	1,026.0 mm
GLAZING Tape bottom pane	SE003	— 2 @	H - 1,384.0	986.0 mm
GLAZING Gasket bottom pane	GK910	— 2 @	H - 1,364.0	1,006.0 mm

GLASS MUST CONFORM TO LPS 1270 @ 17.5 Thk. Outer Frame (1,250 mm x 2,370 mm)				
GLASS - TOP PANE	— 1 @	B - 299.0 (B) 951.0 mm	H - 1,364.0 (H) 1,006.0 mm	
GLASS - BOTTOM	— 1 @	B - 299.0 (B) 951.0 mm	H - 1,383.0 (H) 987.0 mm	

GLASS SIZE = SIGHT SIZE + 54 mm

GLASS WEIGHT-TOP (17.5 mm x 2.5) x (0.951 mts x 1.005 mts) = 41.8 Kgs
 GLASS WEIGHT-BOTTOM (17.5 mm x 2.5) x (0.951 mts x 0.986 mts) = 41.0 Kgs

ACCESSORIES AND ADDITIONAL ITEMS

AXIM Heavy Duty T/Load Bottom Pivot Assembly	TC-9500-17	— 1
N8 x 32mm Pan Head Self Tapping Screw	FX032XSFL	— 36
Nylon Stud for CS030 & CS083 - Snap Fit	FX046XSFL	— 6
Pop Rivet CS030 & CS083 - Snap Fit	FX047XSFL	— 6
AXIM A-Kit Jamb & Header Bar Kit - Pair	TC-8800-03	— 1
AXIM Pad Handle Set - Silver	HD090BSVR	— 1
Aluminium Glue - 310ml (Specify the Colour)	SE007-008	— 1
N8 x 16mm Csk Self Tapping Screw	FX034XSFL	— 121
AXIM E/Load Top Arm, Channel & 5 mm Shim Bar	TC-8800-15	— 1
Drip Profile End Cap x 2 for CS083	EC083DBLK	— 1
M3 x 85mm Csk Pozl Mch Screw	FX795XSFL	— 1
AXIM Letter Box Plate Extension Sleeve	LP-570-BK	— 1
M5 x 20mm Csk for Shootbolt	FX800XSFL	— 88
M6 x 7 mm Csk Pozl Mch Screw	FX612XSFL	— 8
M5 x 16mm Pan Head Mch Screw	FX802XSFL	— 14
14.5 mm Cleat Transom Kit	WS918XKIT	— 8
M8 x 65 mm S/S Socket Head Mch Bolt	FX213XSFL	— 4
C7 Hardened Security Spindle	WS700XSFL	— 1
Door Bottom Pivot Fixing Plate	IN070XSFL	— 1
Fixing Cleats and Bolts for Top & Bottom Rails	NC700XSFL	— 8
Door Lock Keep Back Plate	IN074XSFL	— 1
Door Lock Fixing Plate	IN073XSFL	— 2
Door Cleat Back Plate	IN075XSFL	— 8
Sentinel 6 Lock including Face Plate	LK740BSVR	— 1
Escutcheon Set Kit - Silver	LK762BSVR	— 1
Armoured Strike Kit	LK753XSFL	— 1
ABS Security Lock Cylinder 40 mm x 45 mm	LK745XSFL	— 1
M4 x 70mm Csk Pozl Mch Screw	FX744XSFL	— 8
M6 x 25mm Csk Pozl Mch Screw	FX726XSFL	— 4
Top Arm Fixing Plate	IN072XSFL	— 1
M10 Extension Studs for Pad Handle	FX082XSFL	— 2
AXIM Letter Box Plate	LP-500-BK	— 1
Security Top Arm Angle	IN078XSFL	— 1
AXIM Size 2 Hold Open (15mm Ext Spindle)	TC-8802-00-15	— 1

IMPORTANT NOTE

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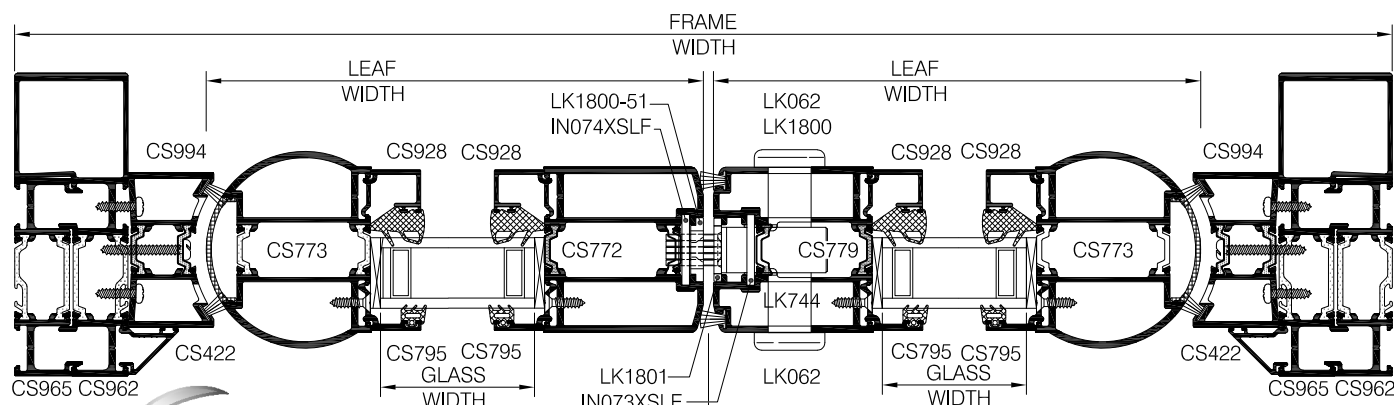
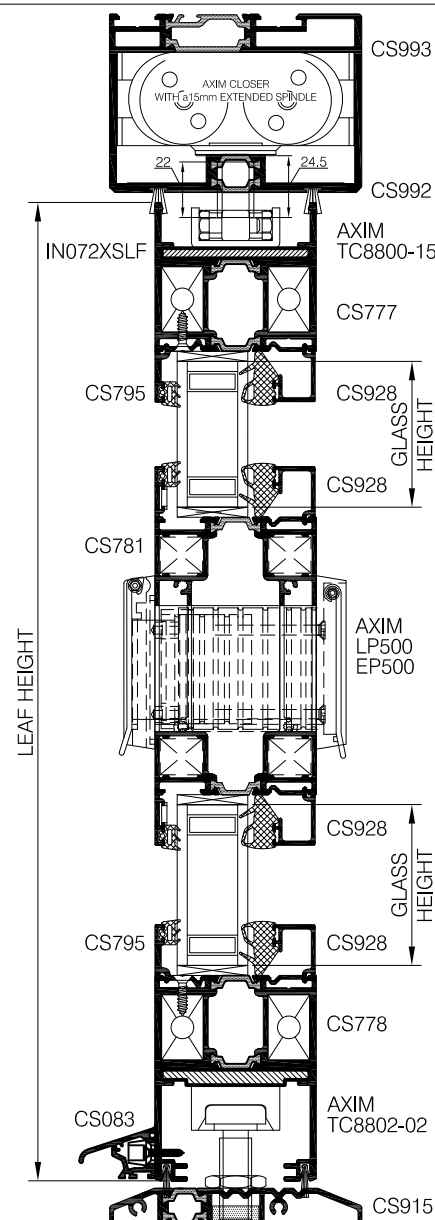
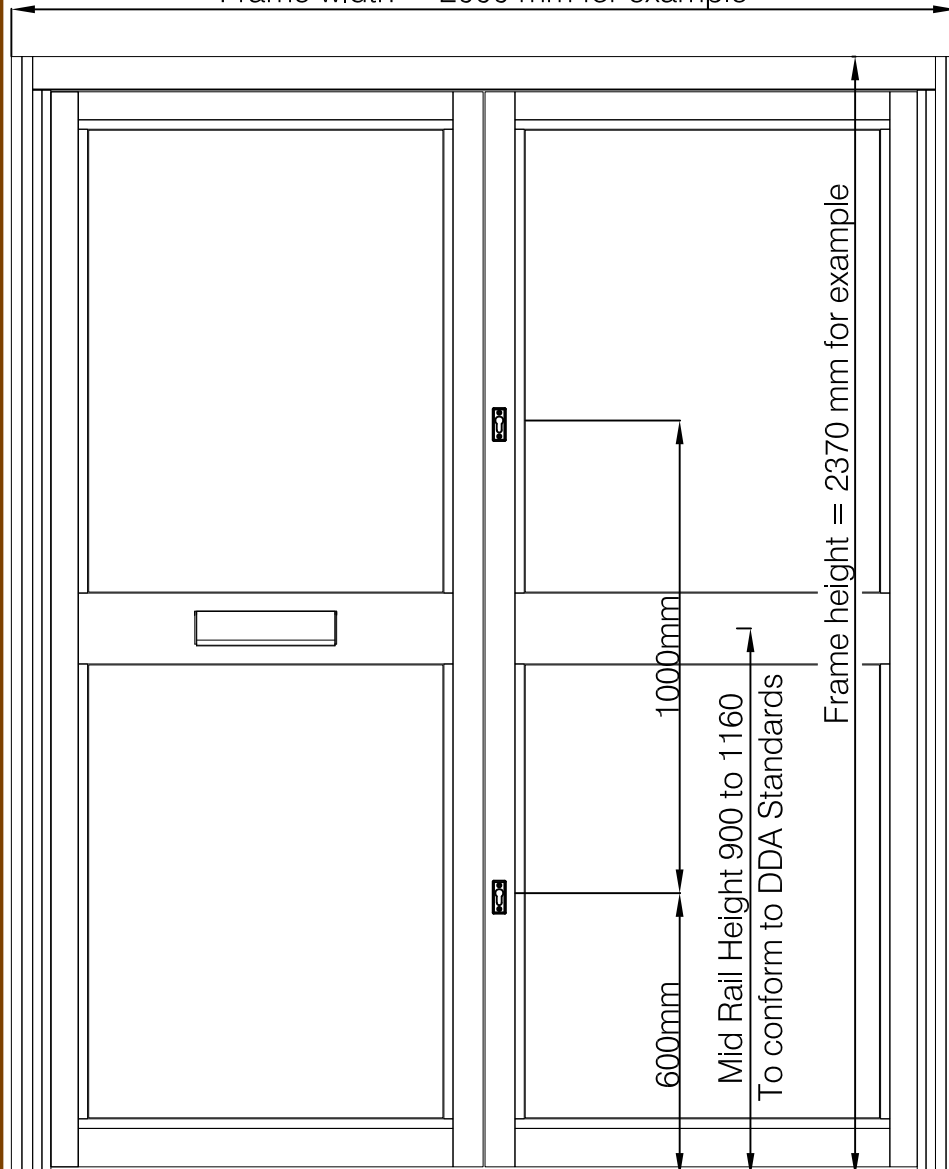


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Frame width = 2000 mm for example



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ABBREVIATIONS

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Example Cutting List for Standard Double Swing Door Outer Frame (2,000mm x 2,370mm)					
FRAME - DRIP SECTION	CS083	— 2 @	B - 1,077.4	922.6 mm	
SLOPED BEAD - VERTICAL	CS422	— 2 @	H - 81	2,289.0 mm	
FRAME - MULLION	CS965	— 2 @	H	2,370.0 mm	
FRAME - INFILL PLATE	CS962	— 2 @	H	2,370.0 mm	
FRAME - HEADER BAR	CS993	— 1 @	B - 90	1,910.0 mm	
FRAME - HEADER BAR PLATE	CS992	— 1 @	B - 90	1,910.0 mm	
DOOR PIVOT 70mm CARRIER	CS994	— 1 @	H - 88.6	2,281.4 mm	
DOUBLE RAMP THRESHOLD	CS915	— 1 @	B - 90	1,910.0 mm	
WOOLPILE	WP007	— 2 @	B - 90	1,910.0 mm	
WOOLPILE	WP007	— 2 @	H - 81.0	2,289.0 mm	
WOOLPILE	WP012	— 2 @	H - 81.0	2,289.0 mm	

Example Cutting List for Standard Double Swing Door Leaf with Mid-Rail set at 1,160mm					
BEAD VERTICAL - TOP	CS928	— 4 @	H - 1,385.3	984.7 mm	
BEAD VERTICAL - BOTTOM	CS928	— 4 @	H - 1,407.8	962.2 mm	
BEAD HORIZONTAL	CS928	— 8 @	B/2 - 205.5	794.5 mm	
DOOR - AFT STILE	CS773	— 2 @	H - 95.6	2,274.4 mm	
DOOR - TOP RAIL	CS777	— 2 @	B/2 - 205.5	794.5 mm	
DOOR - BOTTOM RAIL	CS778	— 2 @	B/2 - 205.5	794.5 mm	
DOOR - STILE	CS779	— 1 @	H - 95.6	2,274.4 mm	
DOOR - STILE	CS772	— 1 @	H - 95.6	2,274.4 mm	
BEAD VERTICAL - TOP	CS795	— 4 @	H - 1,385.3	984.7 mm	
BEAD VERTICAL - BOTTOM	CS795	— 4 @	H - 1,407.8	962.2 mm	
BEAD HORIZONTAL	CS795	— 4 @	B/2 - 205.5	996.5 mm	
ANTI FINGER GUARD TRIM	GK773	— 2 @	H - 95.6	2,274.4 mm	
DOOR CAVITY FILLER	GK754	— 2 @	H - 95.6	2,274.4 mm	
DOOR - MID-RAIL	CS783	— 2 @	B/2 - 205.5	794.5 mm	

28 mm DOUBLE GLAZED UNIT FOR FITTING INTO DOUBLE DOORS (2000 mm x 2370 mm)

GLASS - TOP	— 2 @	B/2 - 42.6	H - 1355.6	957.4 mm	1014.4 mm
GLASS - BOTTOM	— 2 @	B/2 - 42.6	H - 1374.4	957.4 mm	995.6 mm

SIZES GIVEN ABOVE ARE ASSUMING THE OPENING CLEAVE IS IN THE CENTRE OF THE DOOR SET.

(GLASS SIZE = SIGHT SIZE + 30 mm) (DOUBLE GLAZED UNIT (6 mm - 16 mm - 6 mm) = 28 mm)

GLASS WEIGHT-TOP ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 1.0114 mts) = 29.50 Kg's
GLASS WEIGHT-BOTTOM ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 0.9926 mts) = 28.51 Kg's

ACCESSORIES AND ADDITIONAL ITEMS		
Mortice Hook Lock	LK1800-30-E	— 1
AXIM Heavy Duty T/Load Bottom Pivot Assembly	TC-9500-17	— 2
N8 x 32mm Pan Head Self Tapping Screw	FX032XSFL	— 36
Nylon Stud for CS030 & CS083 - Snap Fit	FX046XSFL	— 11
Pop Rivet CS030 & CS083 - Snap Fit	FX047XSFL	— 11
M5 x 12mm Csk Pozl Mch Screw	FX079XSFL	— 4
5 mm Glazing Gasket	GK425XSFL	— 14
Escutcheon Set Kit - Silver	LK-062BSVR	— 2
AXIM Pad Handle Set - Silver	HD090BSVR	— 2
Aluminium Glue - 310ml (Specify the Colour)	SE007-008	— 2
N8 x 16mm Csk Self Tapping Screw	FX034XSFL	— 64
AXIM E/Load Top Arm & Channel	TC-8800-15	— 2
Face Plate - (F = Flat Face) (R = Radiused Face)	LK1801-0R/OF	— 1
Drip Profile End Cap x 2 for CS083	EC083DBLK	— 2
Strike Plate - (F = Flat Face) (R = Radiused Face)	LK1800-51-F/R	— 1
AXIM Letter Box Plate Extension Sleeve	LP-570-BK	— 1
M5 x 16mm Pan Head Mch Screw	FX802XSFL	— 24
M5 x 25mm Pan Head Mch Screw	FX090XSFL	— 4
11 mm Wedge Gasket (Green)	GK910XSFL	— 14
Cleat Transom Kit	WS918XKIT	— 16
Door Bottom Pivot Fixing Plate	IN070XSFL	— 2
Fixing Cleats and Bolts for Top & Bottom Rails	NC700XSFL	— 16
Door Lock Fixing Plate	IN073XSFL	— 2
Door Cleat Back Plate	IN075XSFL	— 16
Lock Cylinder 40 mm x 40 mm	LK744XSFL	— 1
M4 x 70mm Csk Pozl Mch Screw	FX744XSFL	— 8
M6 x 25mm Csk Pozl Mch Screw	FX726XSFL	— 4
Top Arm Fixing Plate	IN072XSFL	— 2
Flush Bolt	FB6501-F18	— 2
Flush Bolt Guide Block	FB62-041	— 2
M10 Extension Studs for Pad Handle	FX082XSFL	— 4
Flush Bolt Fixing Plate	IN077XSFL	— 4
AXIM Letter Box Plate	LP-500-BK	— 1
N8 x 13 mm Self Tap Screw	FX091XSFL	— 4
AXIM Size 2 Hold Open (15mm Ext Spindle)	TC-8802-00-15	— 2
Door Lock Keep Back Plate	IN079XSFL	— 1

IMPORTANT NOTE

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* This is for a mitred cut drip. For a square cut drip use B - 344/2 for each drip cut length



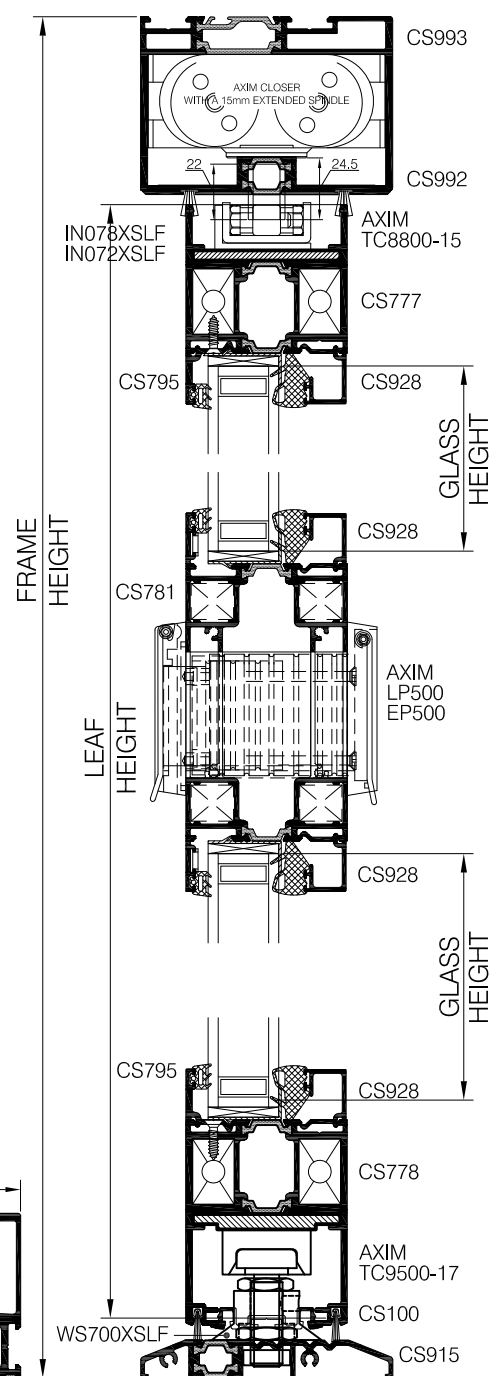
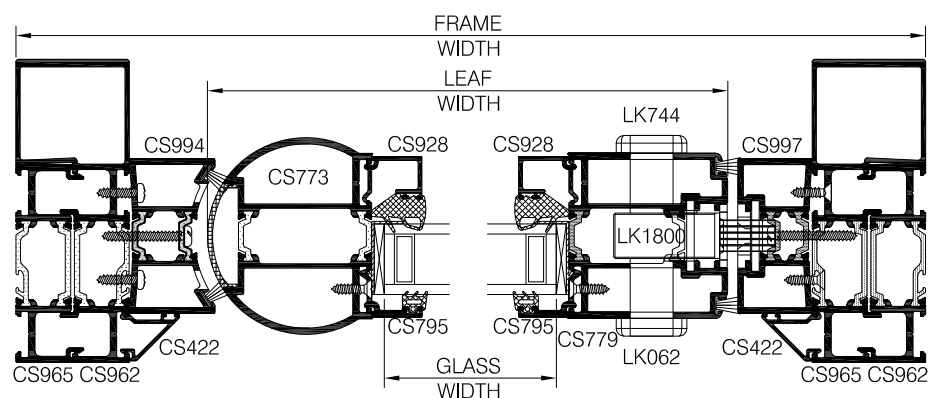
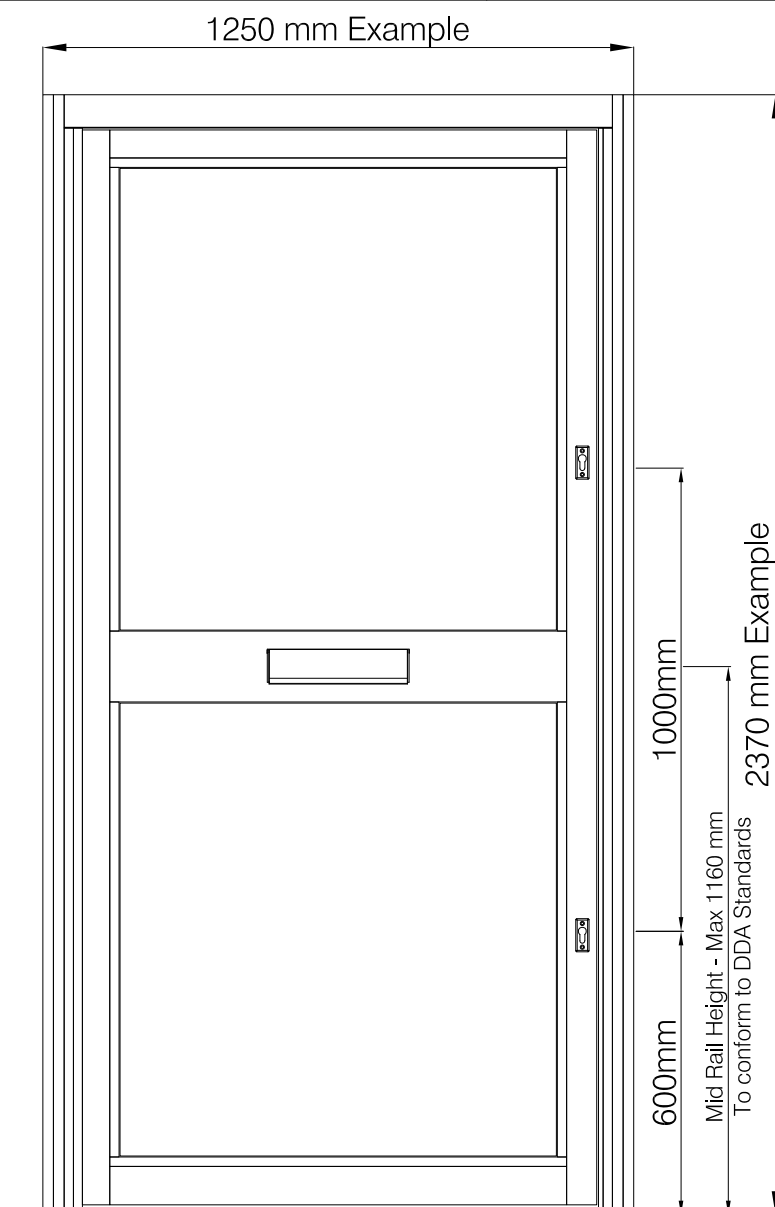
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DRG. No.	C7Pi-CD-3.07 R5

ABBREVIATIONS

(B) = OVERALL WIDTH (H) = OVERALL HEIGHT

Example Cutting List for Standard Swing Door Outer Frame 1250 mm (B) x 2370 mm (H)					
FRAME - DRIP SECTION	CS083	— 1 @	B - 154	1,096.0 mm	
FLAT PLATE - 100 mm x 3 mm	CS143	— 1 @	B - 90	1,160.0 mm	
BEAD - VERTICAL	CS422	— 2 @	H - 78	2,289.0 mm	
FRAME - MULLION	CS965	— 2 @	H	2,370.0 mm	
FRAME - INFILL PLATE	CS962	— 2 @	H	2,370.0 mm	
FRAME - HEADER BAR	CS993	— 1 @	B - 90	1,160.0 mm	
FRAME - HEADER BAR PLATE	CS992	— 1 @	B - 90	1,160.0 mm	
DOUBLE RAMP THRESHOLD	CS915	— 1 @	B - 90	1,160.0 mm	
DOOR FINGER GUARD	CS994	— 1 @	H - 88.6	2,281.4 mm	
MULLION ADAPTOR	CS997	— 1 @	H - 88.6	2,281.4 mm	
WOOLPILE	WP007	— 2 @	B - 90	1,160.0 mm	
WOOLPILE	WP007	— 2 @	H - 88.6	2,281.4 mm	

Example Cutting List for Standard Swing Door Leaf with Mid-Rail set at 1160 mm exactly					
BEAD HORIZONTAL	CS928	— 4 @	B - 282.0	968.0 mm	
BEAD VERTICAL - TOP	CS928	— 2 @	H - 279.0	2,091.0 mm	
BEAD VERTICAL - BOTTOM	CS928	— 2 @	H - 289.8	2,080.2 mm	
DOOR - AFT STILE	CS773	— 1 @	H - 97.6	2,272.4 mm	
DOOR - TOP RAIL	CS777	— 1 @	B - 282.0	968.0 mm	
DOOR - BOTTOM RAIL	CS778	— 1 @	B - 282.0	968.0 mm	
DOOR - STILE	CS779	— 1 @	H - 97.6	2,272.4 mm	
BEAD VERTICAL - TOP	CS795	— 2 @	H - 1387.3	982.7 mm	
BEAD HORIZONTAL	CS795	— 4 @	B - 282.0	968.0 mm	
BEAD VERTICAL - BOTTOM	CS795	— 2 @	H - 1409.8	960.2 mm	
DOOR - MID-RAIL	CS783	— 1 @	B - 282.0	968.0 mm	
DOOR PIVOT INFILL	GK773	— 1 @	H - 97.6	2,272.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 87.6	2,282.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 97.6	2,272.4 mm	
WOOLPILE	WP012	— 2 @	B - 230.6	1,019.4 mm	
WOOLPILE	WP007	— 2 @	H - 94.5	2,275.5 mm	
GLAZING GASKET EXT-TOP	GK425	1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET INT-TOP	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET EXT-BOT.	GK425	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET INT-BOT.	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%		

28 MM DOUBLE GLAZED UNIT FOR FITTING INTO SINGLE DOOR (1250 mm x 2370 mm)					
GLASS - TOP	— 1 @	B - 292.6	H - 1357.6	957.4 mm	1012.4 mm
GLASS - BOTTOM	— 1 @	B - 292.6	H - 1376.4	957.4 mm	993.6 mm

(GLASS SIZE = SIGHT SIZE + 30 mm) (DOUBLE GLAZED UNIT (6 mm - 16 mm - 6 mm) = 28 mm)

GLASS WEIGHT-TOP ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 1.0114 mts) = 29.50 Kg's
 GLASS WEIGHT-BOTTOM ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 0.9926 mts) = 28.51 Kg's

ACCESSORIES AND ADDITIONAL ITEMS		
Mortice Hook Lock	LK1800-30	— 2
AXIM Heavy Duty T/Load Bottom Pivot Assembly	TC-9500-17	— 1
N8 x 32mm Pan Head Self Tapping Screw	FX032XSFL	— 36
Nylon Stud for CS030 & CS083 - Snap Fit	FX047XSFL	— 6
Pop Rivet CS030 & CS083 - Snap Fit	FX047XSFL	— 6
M5 x 12mm Csk Pozi Mch Screw	FX079XSFL	— 4
AXIM A-Kit Jamb & Header Bar Kit - Pair	TC-8800-03	— 1
Escutcheon Set Kit - Silver	LK-062BSVR	— 4
AXIM Pad Handle Set - Silver	HD090BSVR	— 1
Aluminium Glue - 310ml (Specify the Colour)	SE007-008	— 1
N8 x 16mm Csk Self Tapping Screw	FX034XSFL	— 90
AXIM E/Load Top Arm & Channel	TC-8800-15	— 1
Face Plate - (F = Flat Face) (R = Radius Face)	LK1801-0R/OF	— 2
Drip Profile End Cap x 2 for CS083	EC083DBLK	— 1
Strike Plate - (F = Flat Face) (R = Radius Face)	LK1800-51-F/R	— 2
M5 x 16mm Pan Head Mch Screw	FX802XSFL	— 14
Cleat Transom Kit	WS918XKIT	— 8
Door Bottom Pivot Fixing Plate	IN070XSFL	— 1
Fixing Cleats and Bolts for Top & Bottom Rails	NC700XSFL	— 8
Door Lock Fixing Plate	IN073XSFL	— 4
Door Cleat Back Plate	IN075XSFL	— 8
ABS Security Lock Cylinder 40 mm x 45 mm	LK745XSFL	— 1
M4 x 70mm Csk Pozi Mch Screw	FX744XSFL	— 8
M6 x 25mm Csk Pozi Mch Screw	FX726XSFL	— 4
Top Arm Fixing Plate	IN072XSFL	— 1
M10 Extension Studs for Pad Handle	FX082XSFL	— 2
AXIM Size 2 Hold Open (15mm Ext Spindle)	TC-8802-90-15	— 1
Door Lock Keep Back Plate	IN079XSFL	— 2
Security Clips	WS902XSFL	— 16

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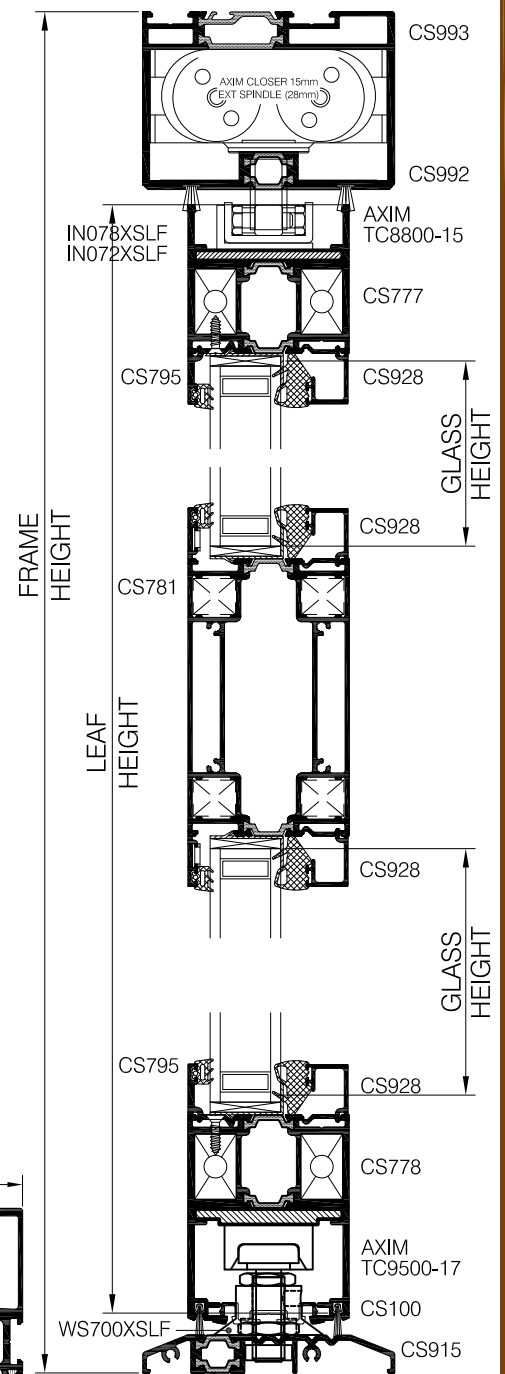
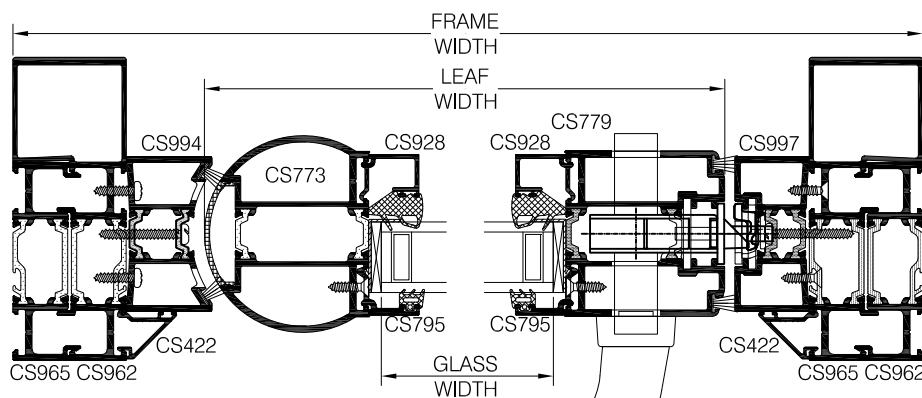
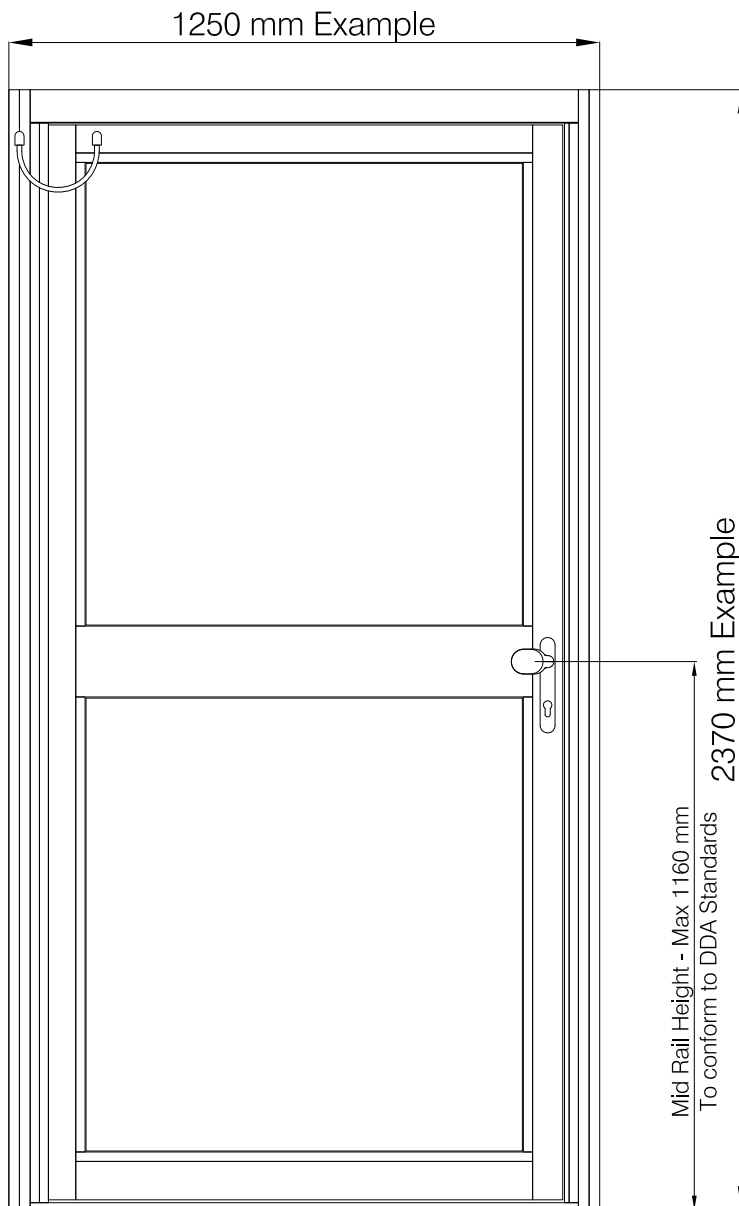
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Tel: 020-8685 9685 Fax: 020-8687 1142
Email: technical@parksidegrp.co.uk
Web Site: http://www.comar-alu.co.uk

SCALE	NTS	@ A4
DATE	20/08/2019	
DRAWN	VM/NRA/BB	
DRG. No.	C7Pi-CD-3.08	R5



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ABBREVIATIONS

(B) = OVERALL WIDTH (H) = OVERALL HEIGHT

Example Cutting List for Standard Swing Door Outer Frame 1250 mm (B) x 2370 mm (H)					
FRAME - DRIP SECTION	CS083	— 1 @	B - 154	1,096.0 mm	
FLAT PLATE - 100 mm x 3 mm	CS143	— 1 @	B - 90	1,160.0 mm	
BEAD - VERTICAL	CS422	— 2 @	H - 78	2,289.0 mm	
FRAME - MULLION	CS965	— 2 @	H	2,370.0 mm	
FRAME - INFILL PLATE	CS962	— 2 @	H	2,370.0 mm	
FRAME - HEADER BAR	CS993	— 1 @	B - 90	1,160.0 mm	
FRAME - HEADER BAR PLATE	CS992	— 1 @	B - 90	1,160.0 mm	
DOUBLE RAMP THRESHOLD	CS915	— 1 @	B - 90	1,160.0 mm	
DOOR FINGER GUARD	CS994	— 1 @	H - 88.6	2,281.4 mm	
MULLION ADAPTOR	CS997	— 1 @	H - 88.6	2,281.4 mm	
WOOLPILE	WP007	— 2 @	B - 90	1,160.0 mm	
WOOLPILE	WP007	— 2 @	H - 88.6	2,281.4 mm	

Example Cutting List for Standard Swing Door Leaf with Mid-Rail set at 1160 mm exactly					
BEAD HORIZONTAL	CS928	— 4 @	B - 268.3	981.7 mm	
BEAD VERTICAL - TOP	CS928	— 2 @	H - 279.0	2091.0 mm	
BEAD VERTICAL - BOTTOM	CS928	— 2 @	H - 289.8	2080.2 mm	
DOOR - AFT STILE	CS773	— 1 @	H - 97.6	2,272.4 mm	
DOOR - TOP RAIL	CS777	— 1 @	B - 282.6	968.0 mm	
DOOR - BOTTOM RAIL	CS778	— 1 @	B - 282.6	968.0 mm	
DOOR - STILE	CS779	— 1 @	H - 97.6	2,272.4 mm	
BEAD VERTICAL - TOP	CS795	— 2 @	H - 1387.3	982.7 mm	
BEAD HORIZONTAL	CS795	— 4 @	B - 282.0	968.0 mm	
BEAD VERTICAL - BOTTOM	CS795	— 2 @	H - 1409.8	960.2 mm	
DOOR - MID-RAIL	CS783	— 1 @	B - 282.6	968.0 mm	
DOOR PIVOT INFILL	GK773	— 1 @	H - 97.6	2,272.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 87.6	2,282.4 mm	
DOOR CAVITY CLOSER	GK754	— 1 @	H - 97.6	2,272.4 mm	
WOOLPILE	WP012	— 2 @	B - 230.6	1,019.4 mm	
WOOLPILE	WP007	— 2 @	H - 94.5	2,275.5 mm	
GLAZING GASKET EXT-TOP	GK425	1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET INT-TOP	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET EXT-BOT.	GK425	1 @	(2xGLASS width) + (2xGLASS height) + 3%		
GLAZING GASKET INT-BOT.	GK910	— 1 @	(2xGLASS width) + (2xGLASS height) + 3%		

28 MM DOUBLE GLAZED UNIT FOR FITTING INTO SINGLE DOOR (1250 mm x 2370 mm)					
GLASS - TOP	— 1 @	B - 292.6	H - 1357.6	957.4 mm	1012.4 mm
GLASS - BOTTOM	— 1 @	B - 292.6	H - 1376.4	957.4 mm	993.6 mm

(GLASS SIZE = SIGHT SIZE + 30 mm) (DOUBLE GLAZED UNIT (6 mm - 16 mm - 6 mm) = 28 mm)

GLASS WEIGHT-TOP ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 1.0114 mts) = 29.50 Kg's
GLASS WEIGHT-BOTTOM ((6 mm + 6 mm) x 2.5) x (0.9574 mts x 0.9926 mts) = 28.51 Kg's

ACCESSORIES AND ADDITIONAL ITEMS

AXIM Heavy Duty T/Load Bottom Pivot Assembly	TC-9500-17	— 1
N8 x 32mm Pan Head Self Tapping Screw	FX032XSFL	— 36
Nylon Stud for CS030 & CS083 - Snap Fit	FX046XSFL	— 6
Pop Rivet CS030 & CS083 - Snap Fit	FX047XSFL	— 6
M5 x 12mm Csk Pozl Mch Screw	FX079XSFL	— 4
AXIM A-Kit Jamb & Header Bar Kit - Pair	TC-8800-03	— 1
Aluminium Glue - 310ml (Specify the Colour)	SE007-008	— 1
N8 x 16mm Csk Self Tapping Screw	FX034XSFL	— 90
AXIM E/Load Top Arm & Channel	TC-8800-15	— 1
Drip Profile End Cap x 2 for CS083	EC083DBLK	— 1
M5 x 16mm Pan Head Mch Screw	FX802XSFL	— 14
Cleat Transom Kit	WS918XKIT	— 8
Door Bottom Pivot Fixing Plate	IN070XSFL	— 1
Fixing Cleats and Bolts for Top & Bottom Rails	NC700XSFL	— 8
Door Lock Fixing Plate	IN073XSFL	— 4
Door Cleat Back Plate	IN075XSFL	— 8
M4 x 70mm Csk Pozl Mch Screw	FX744XSFL	— 8
M6 x 25mm Csk Pozl Mch Screw	FX726XSFL	— 4
Top Arm Fixing Plate	IN072XSFL	— 1
AXIM Size 2 Hold Open (15mm Ext Spindle)	TC-8802-90-15	— 1
2170mm-2400mm High Electronic Lock	LK769XSFL	— 1
Access Handle	LK779XSFL	— 1
Centre Keep (RH)	LK749XSFL	— 1
Lock Fixing Plate	IN073XSFL	— 2
Magnet	LK776XSFL	— 2
Flat keep	LK751XSFL	— 2
Cable 6 Core 10m (standard)	LK781XSFL	— 2
Cable Duct Sheath	LK783XSFL	— 2
Cable Protection Grommets	LK785XSFL	— 2
Security Cylinder	LK763XSFL	— 2
Security Top Arm Angle	IN078XSFL	— 1
Security Clips	WS902XSFL	— 16

IMPORTANT NOTE

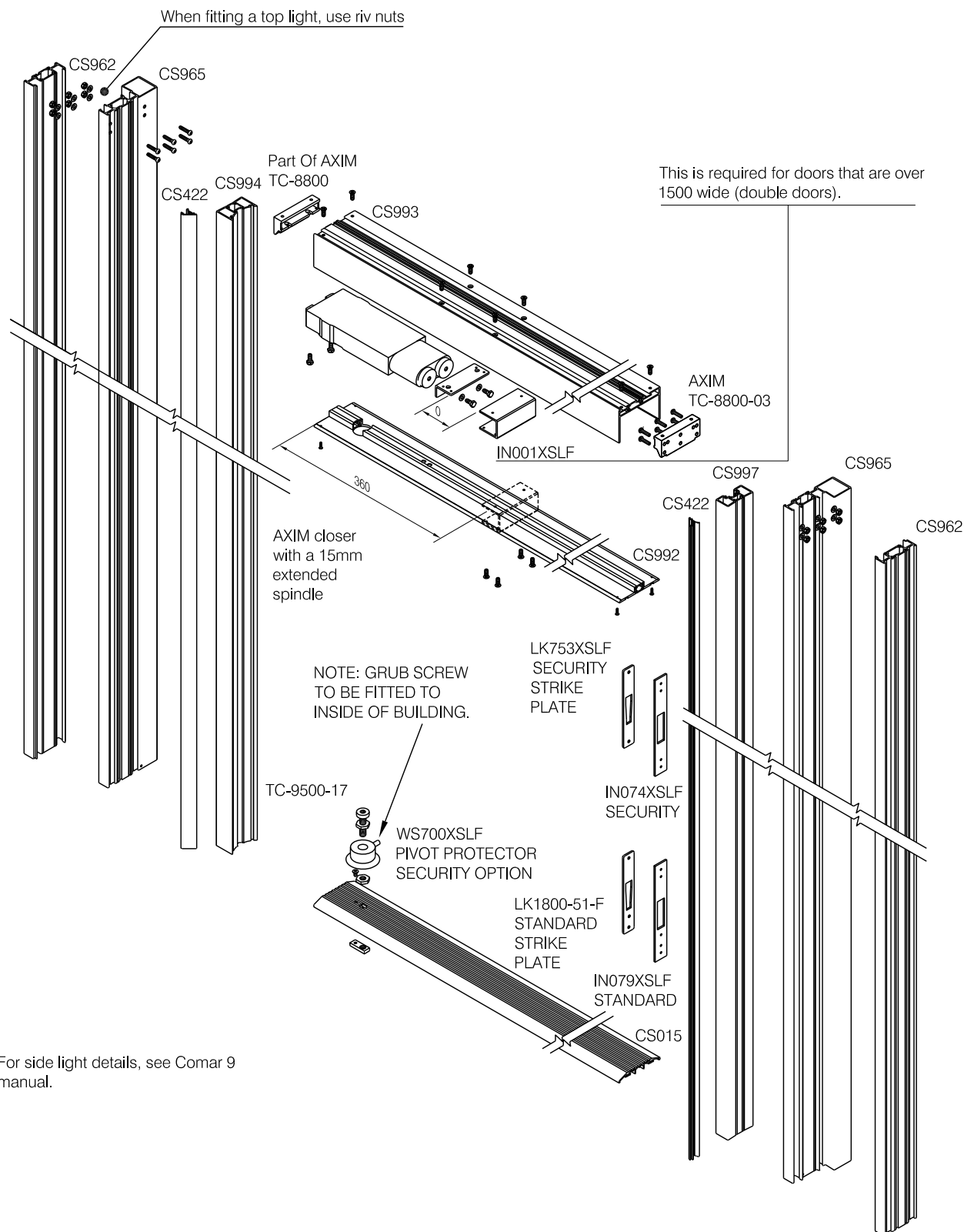
DUE TO MANUFACTURING AND PRODUCTION TOLERANCES OF ALUMINIUM, PAINTING, ANODISING, GLASS, PANELS, GASKETS, PROFILES SELECTED, THE NUMBER OF DOORS FITTED AND THE CONFIGURATION. CHECK YOUR GLAZING DIMENSIONS AND TRIAL THE GLASS SIZE FORMULA BEFORE PROCEEDING WITH ANY BULK ORDERS.

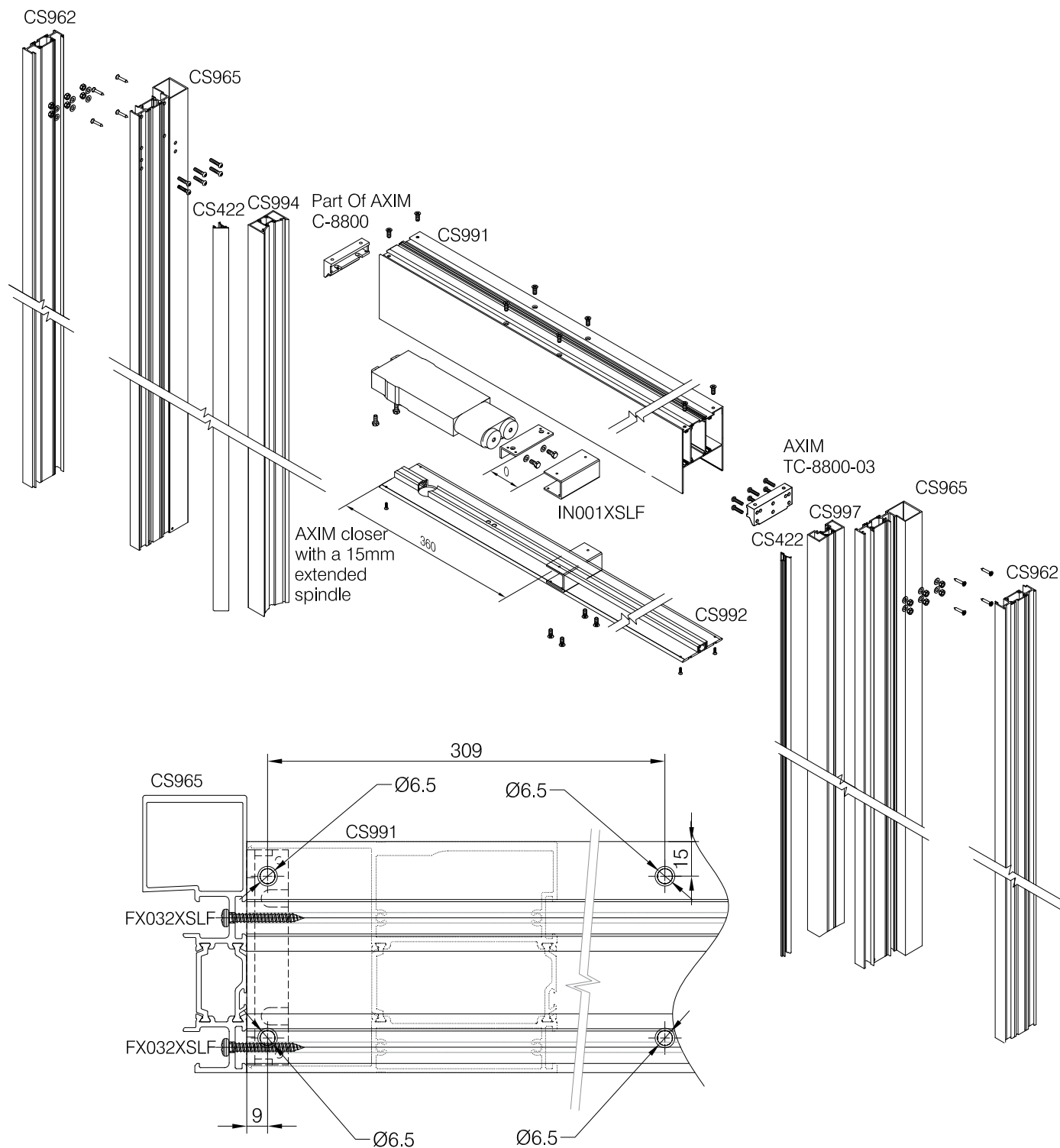
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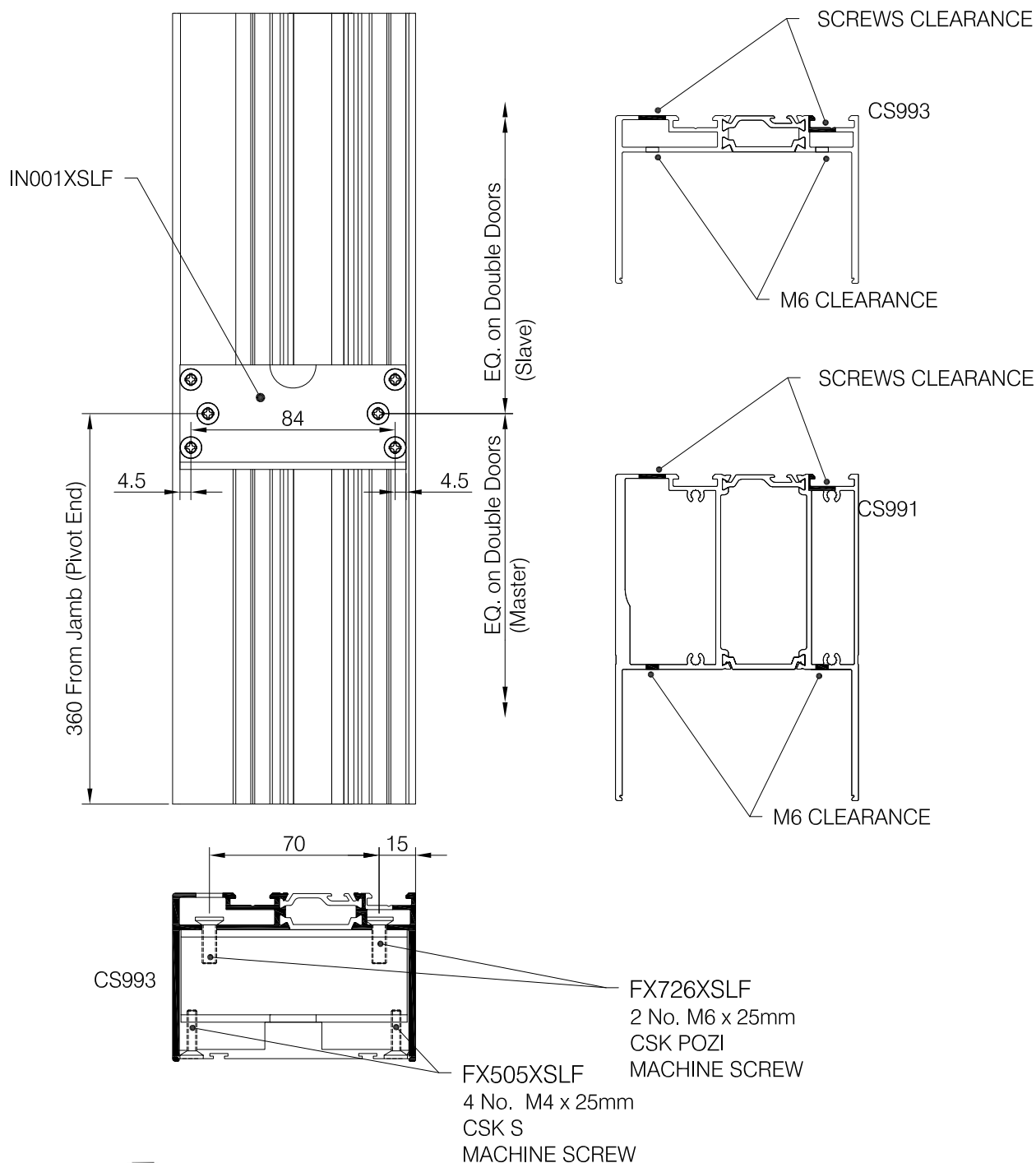
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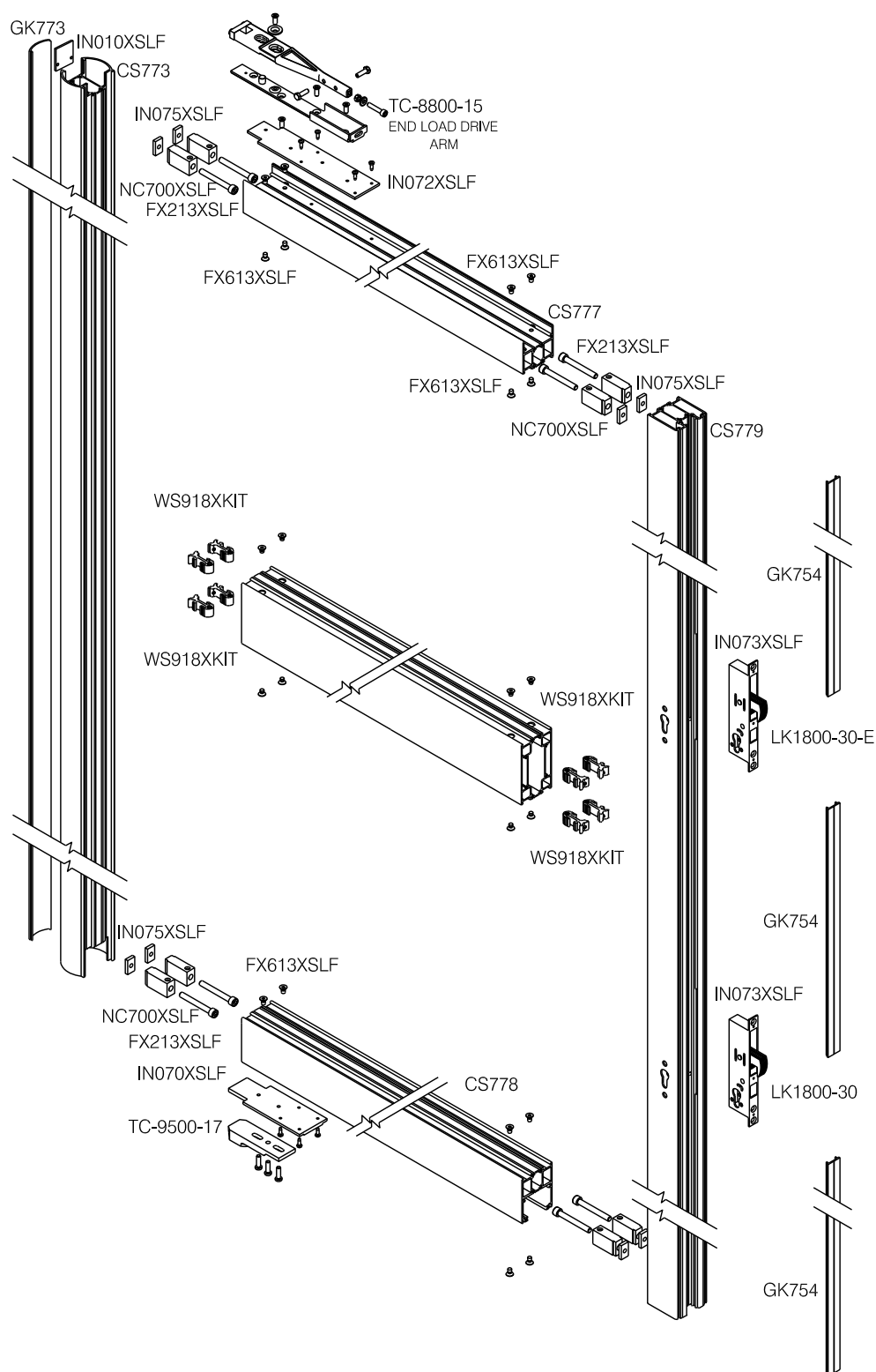
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DRG. No.	C7Pi-CD-3.08.02 R2	







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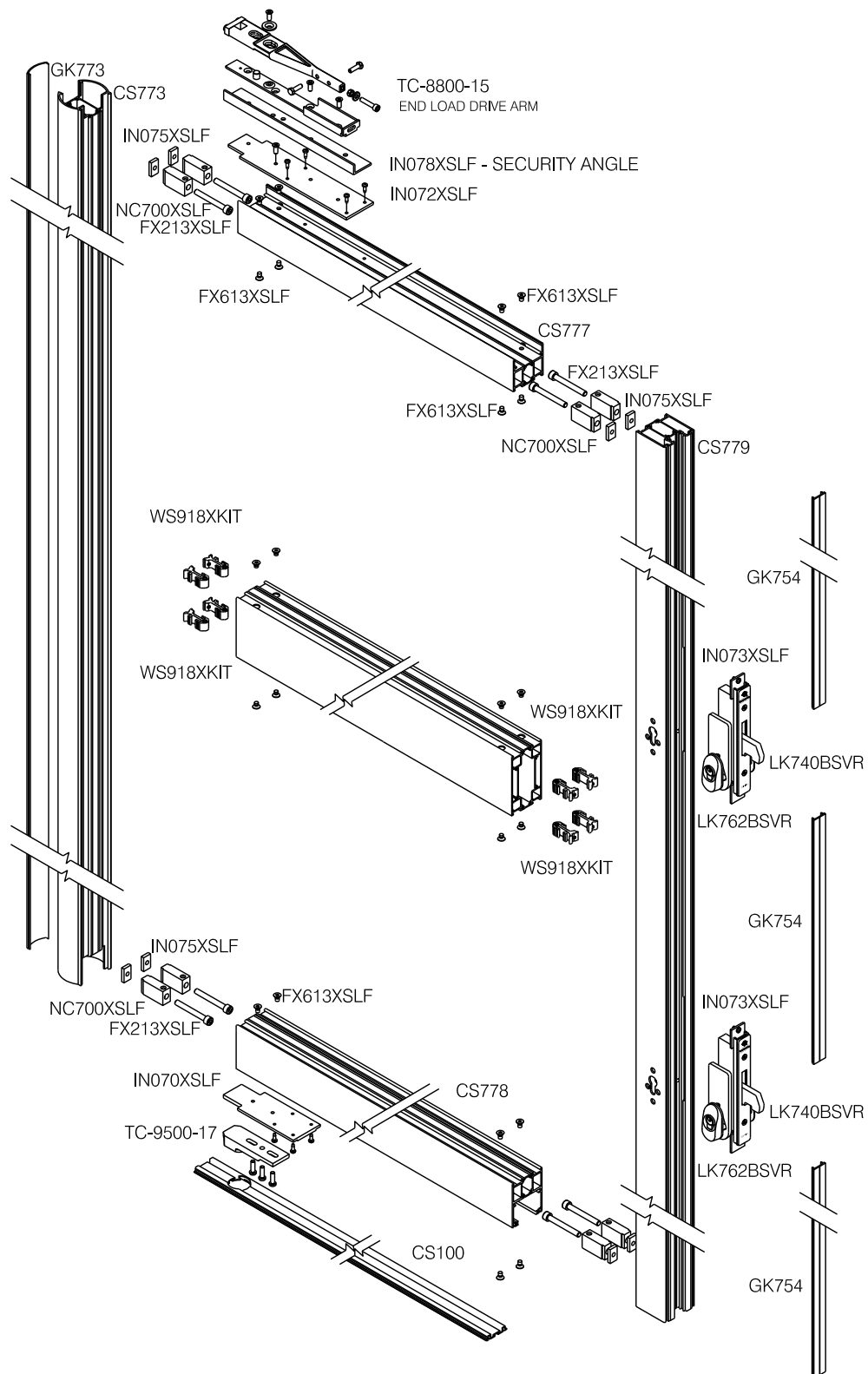


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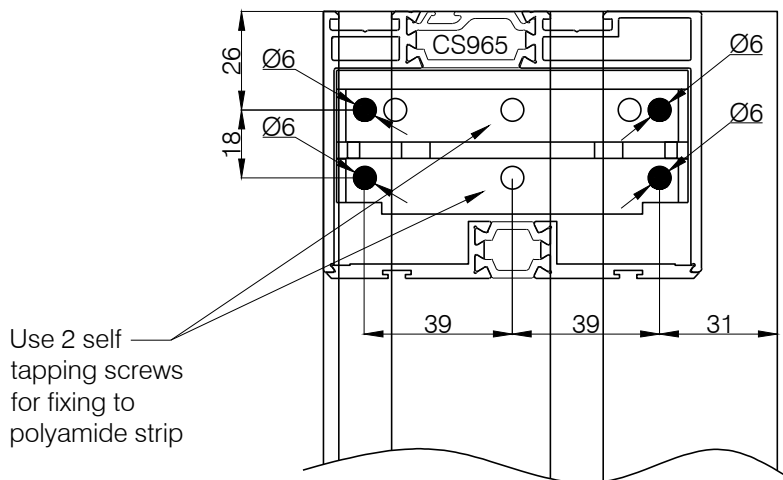
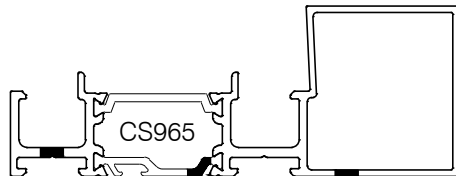
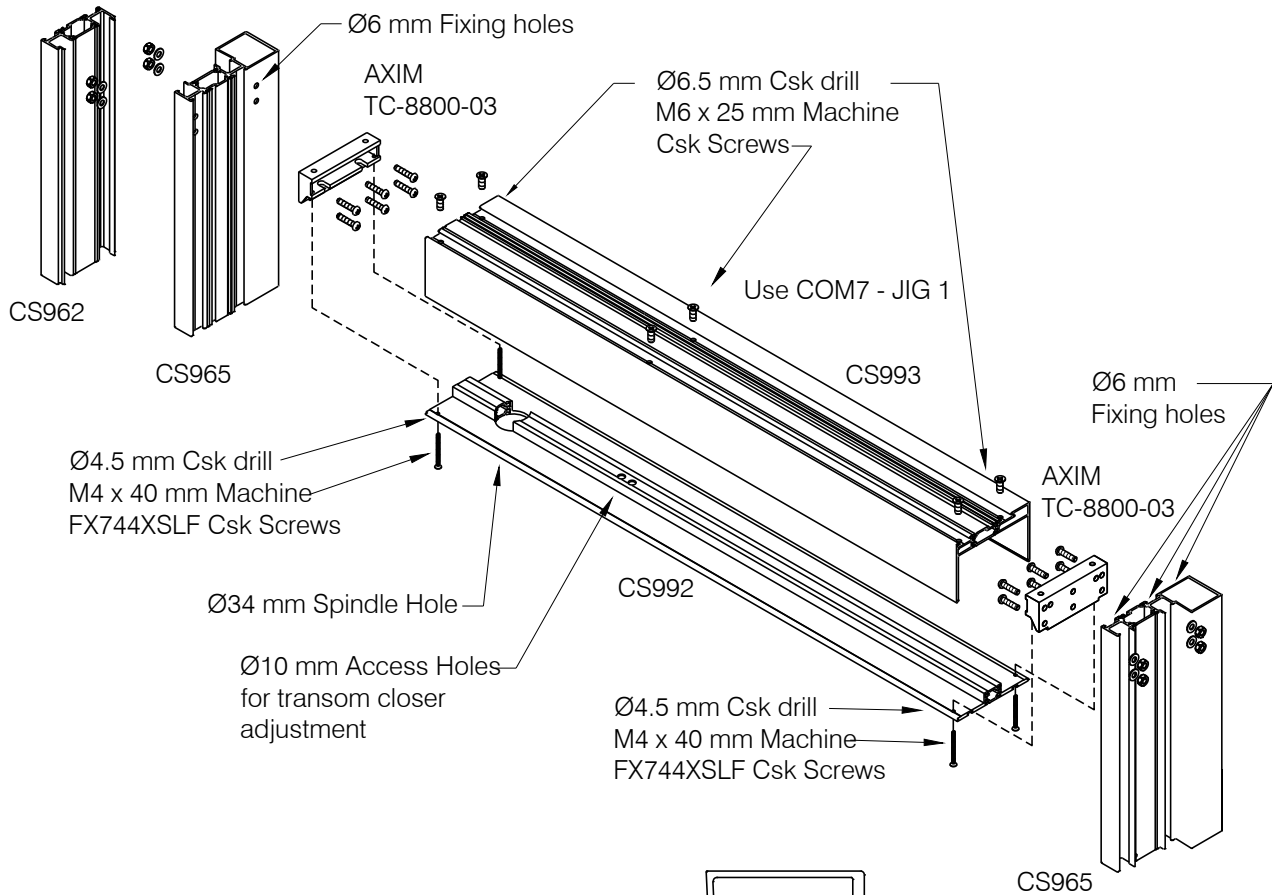
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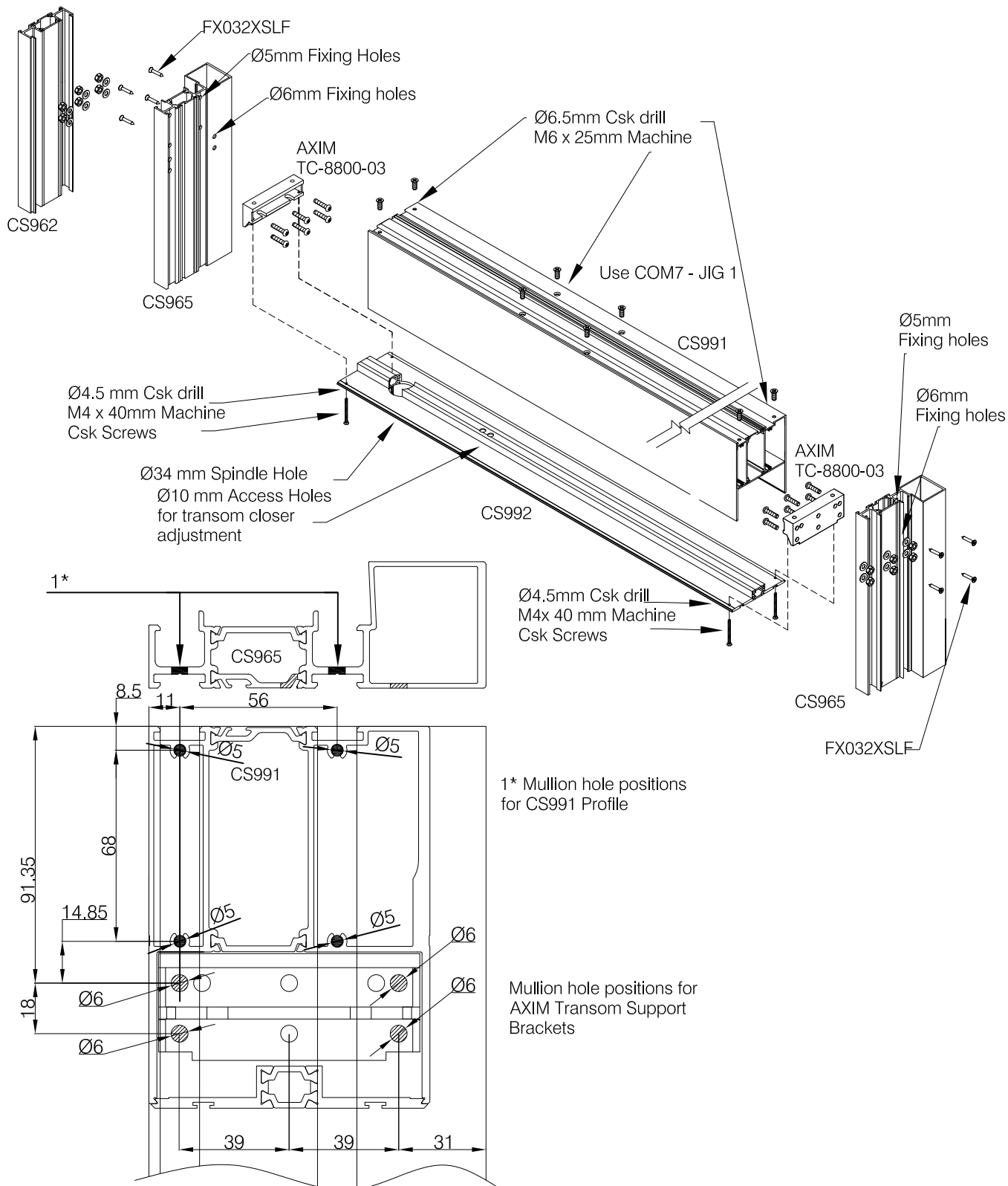
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Mullion hole positions for
AXIM Transom Support
Brackets





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TITLE

**POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.

3.12.2

SUB TITLE

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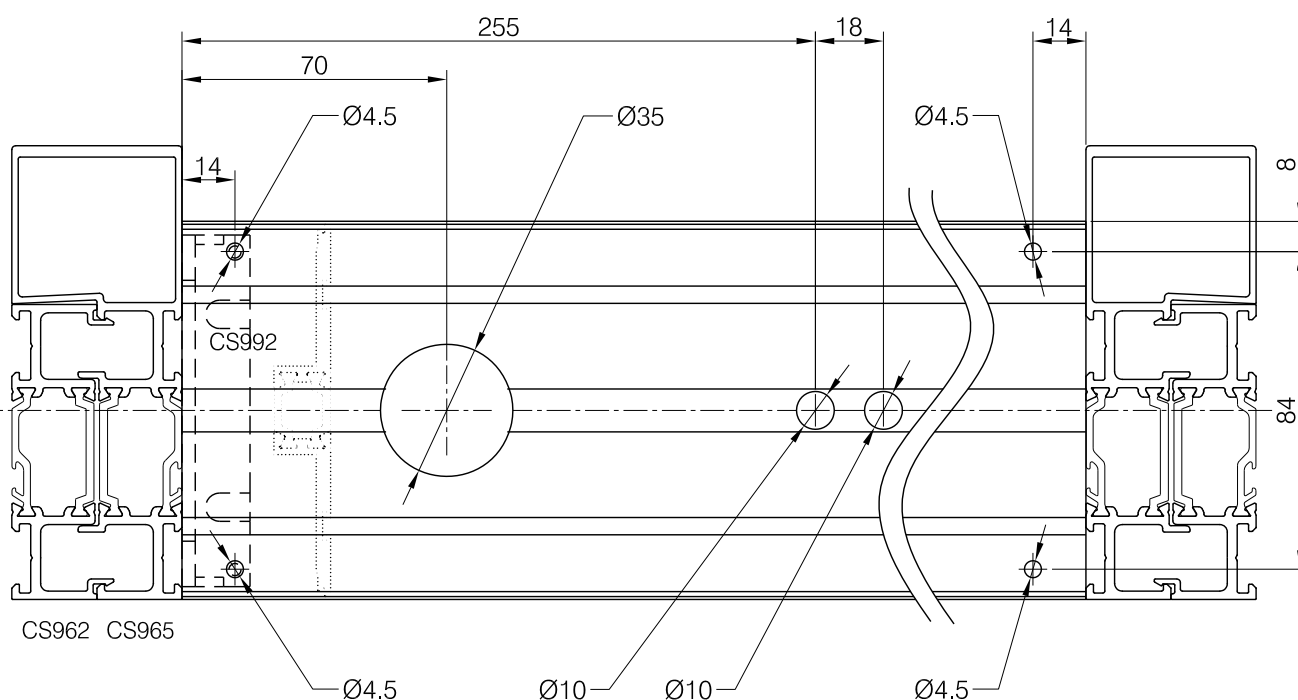
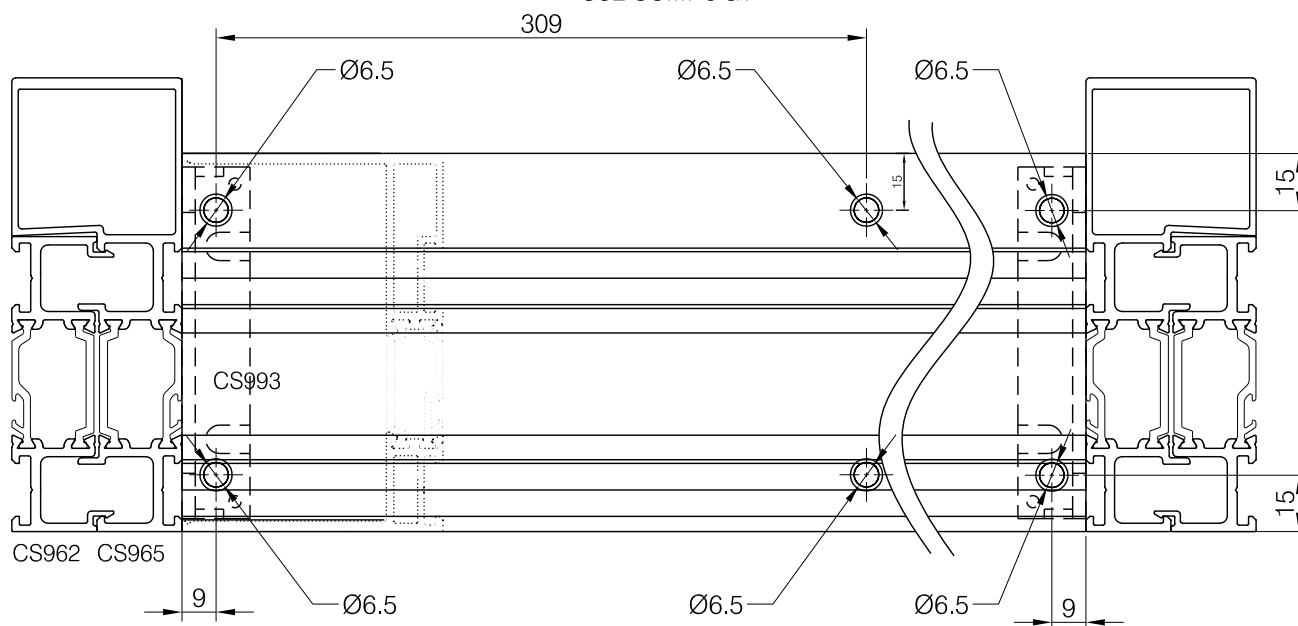


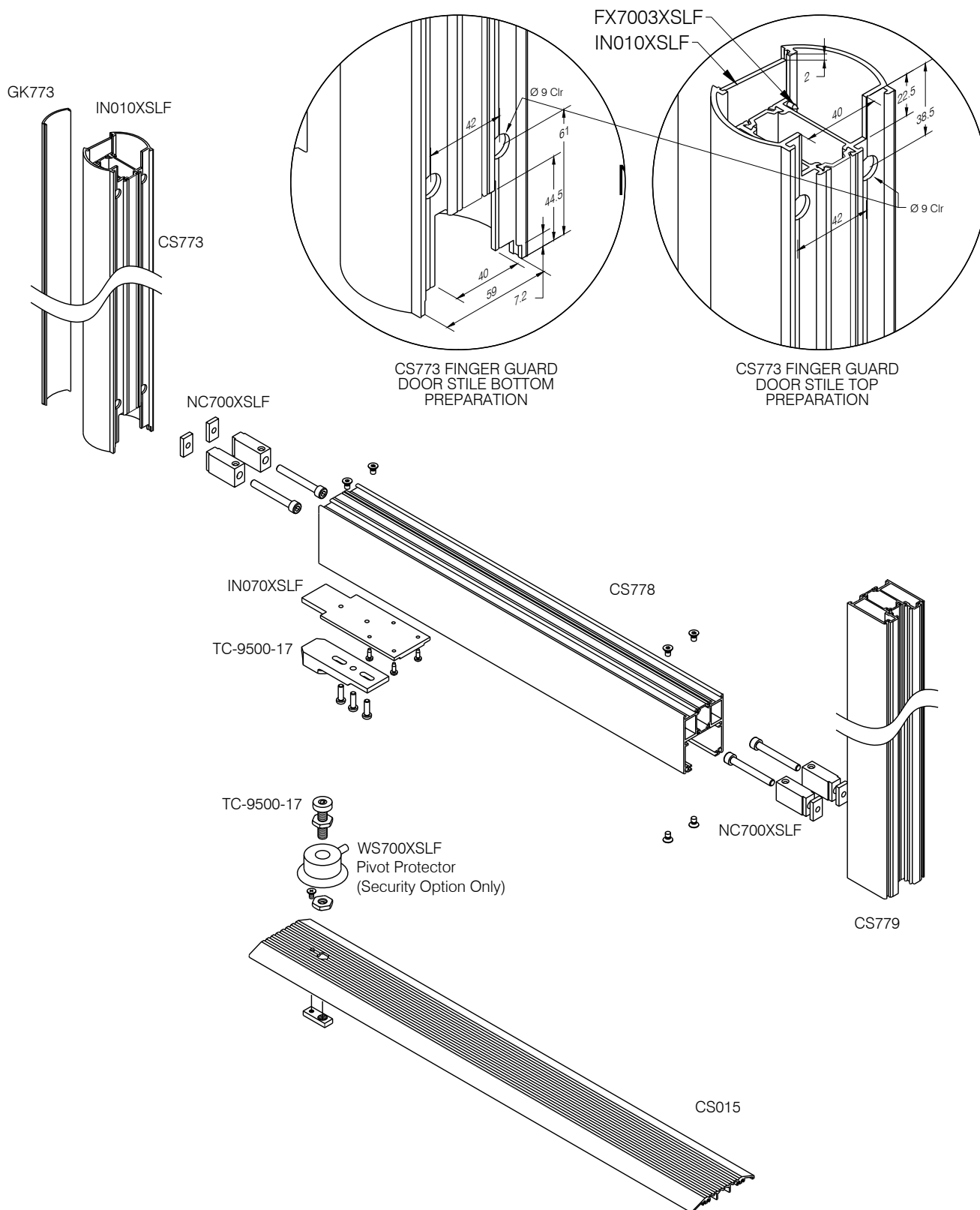
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SCALE	1:1	@ A4
DATE	25/04/17	
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HEADER BAR/PLATE HOLE POSITIONS FOR
AXIM TRANSOM SUPPORT BRACKETS
USE COM7-JIG1

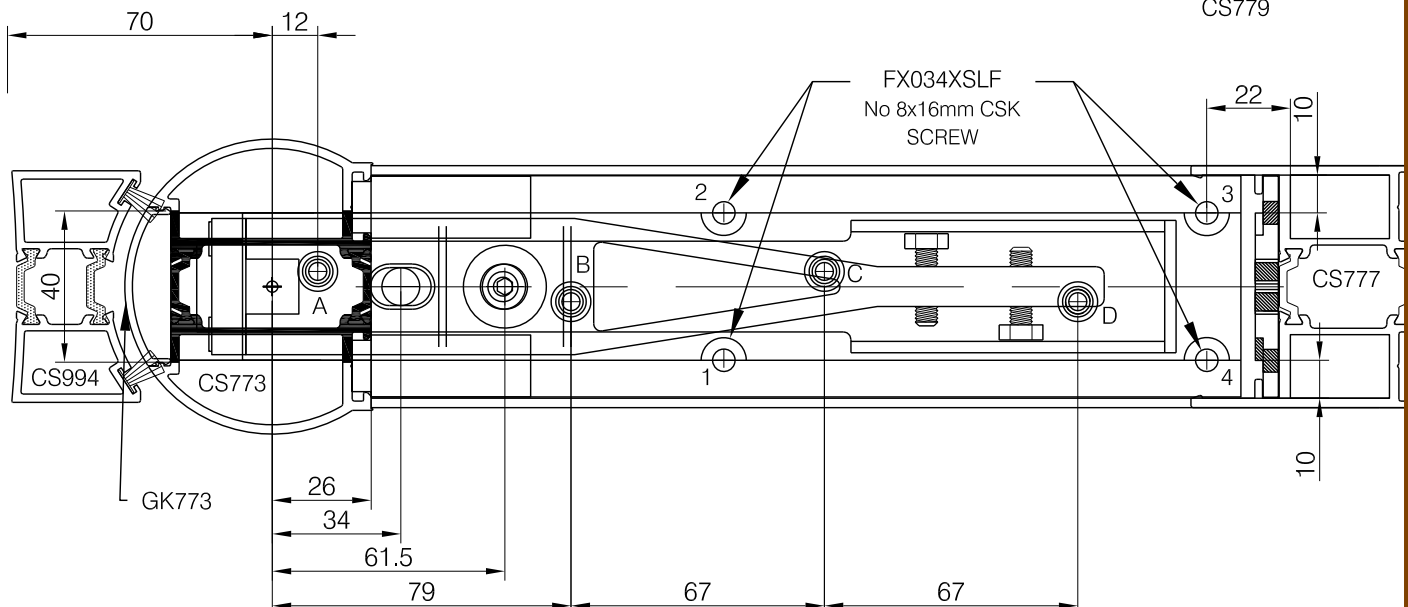
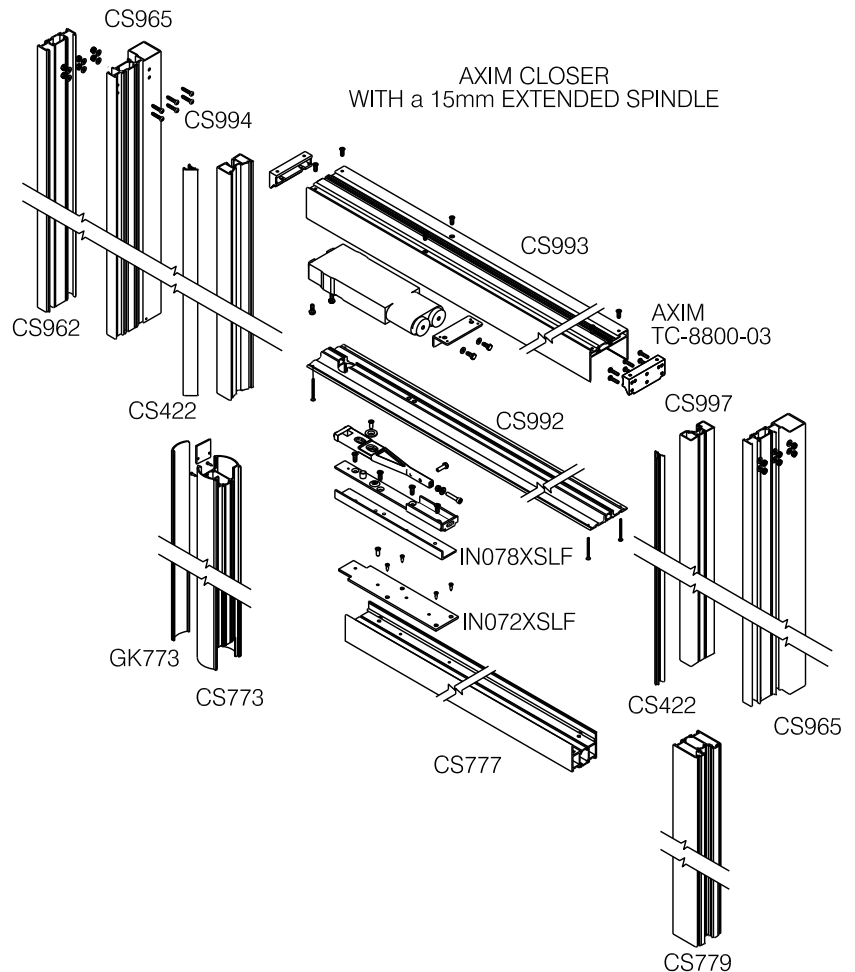


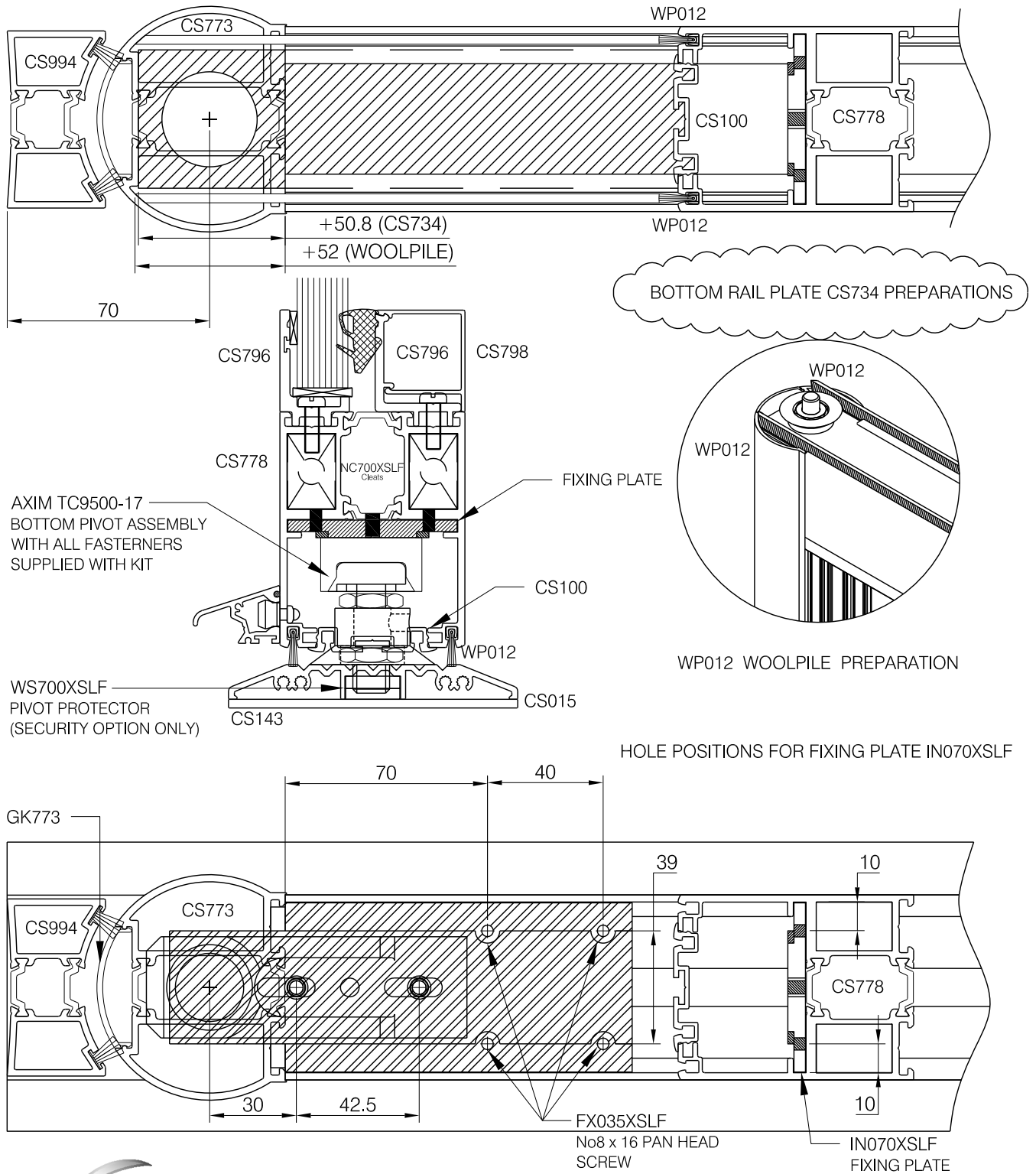


PLEASE NOTE: ALL PREPS FOR CS773
SHOULD BE DONE PRIOR TO FRAME
ASSEMBLY.

ASSEMBLY:

1. IN072XSFL SLIDES IN TO CS777 PRIOR TO LEAF ASSEMBLY.
2. COUNTERSINK HOLES 1-4 IN IN072XSFL. USING CENTER PUNCH MARK HOLES 1-4 & B,C,D. REMOVE IN072XSFL AND DRILL HOLES 1-4 FOR N8 FX034XSFL SCREWS. DRILL HOLES B,C,D USING 5MM DRILL BIT.
3. WHEN DOOR LEAF CORNERS ARE FIXED WITH CLEATS NC071XSFL/NC072XSFL SLIDE PLATE BACK & FIX IT TO CS777 WITH 4XFX802XSFL SCREWS.
4. THEN FIX END LOAD ARM TC-8800-15 TO PLATE IN072XSFL USING SCREWS SUPPLIED IN KIT.
5. INSTALL TOP ARM PROTECTION ANGLE IN078XSFL BETWEEN IN072XSFL AND TOP ARM PLATE.



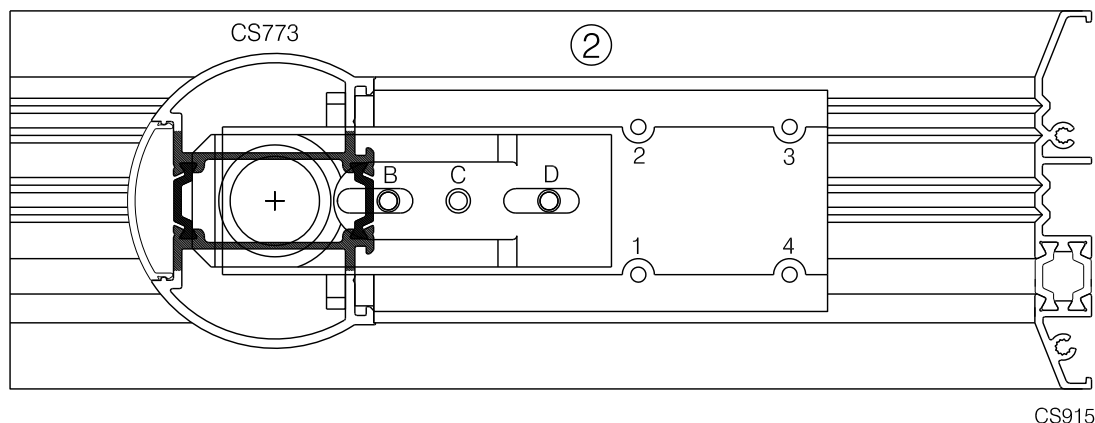
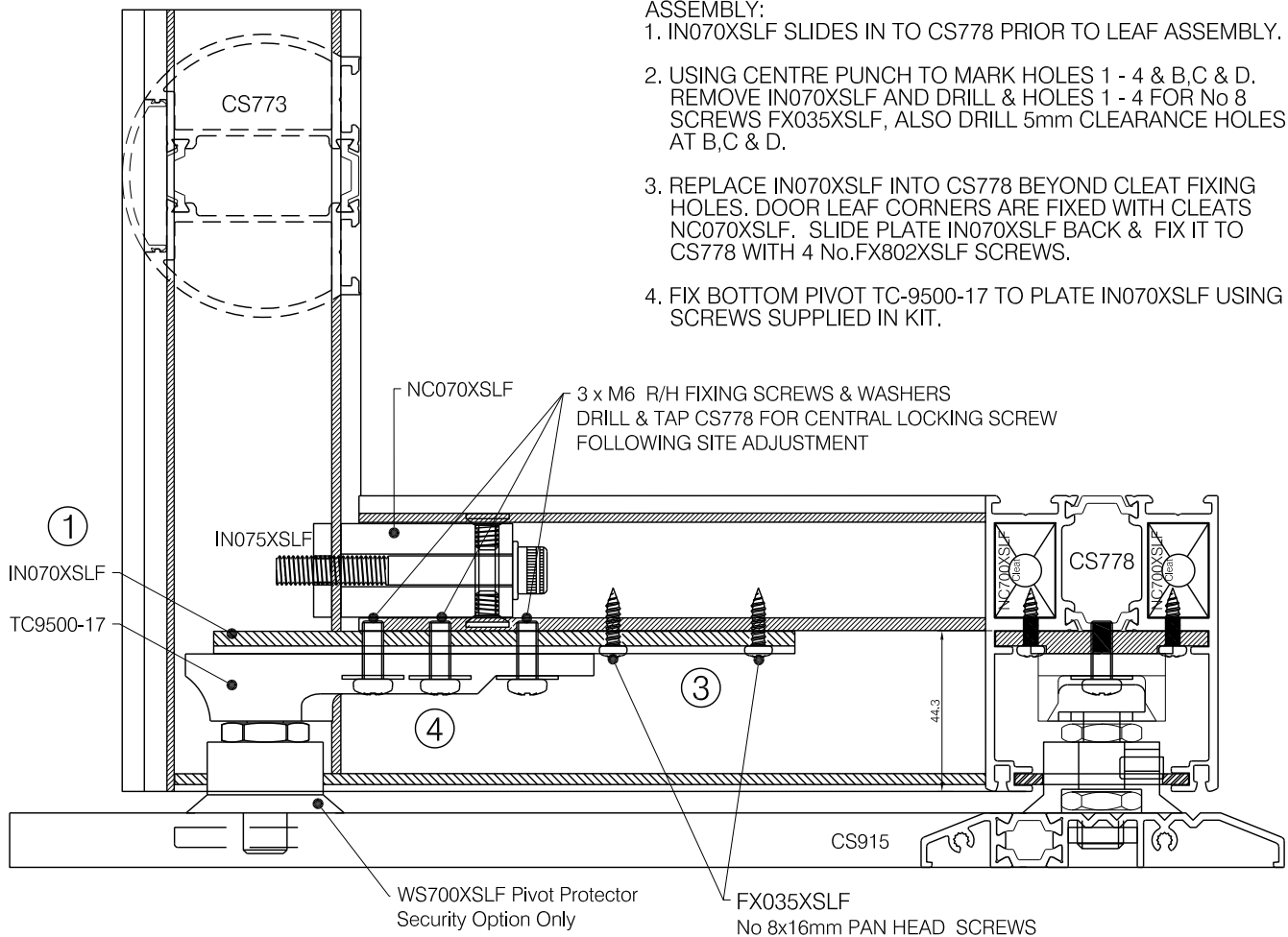


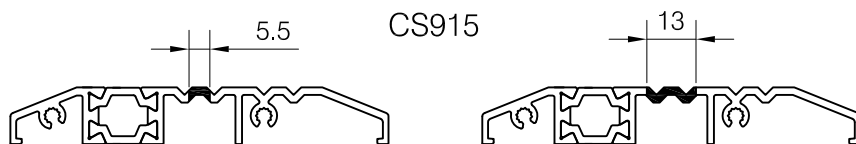
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ASSEMBLY:

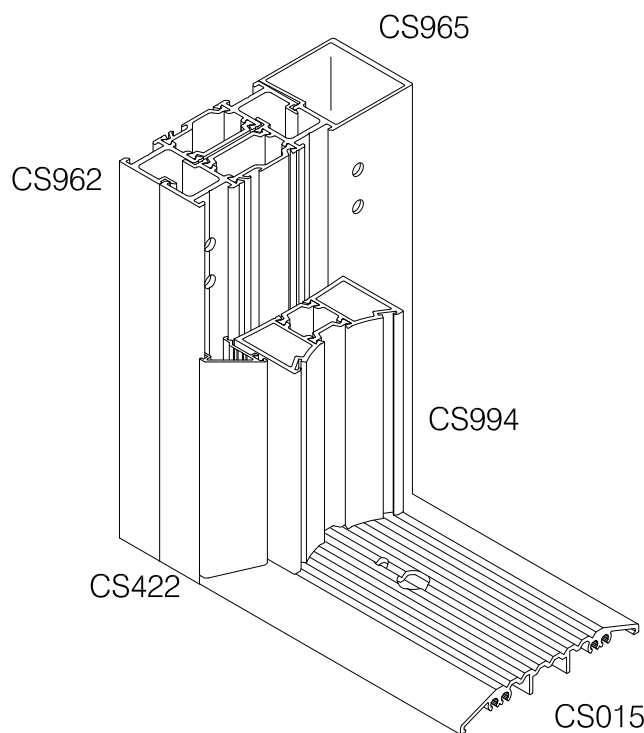
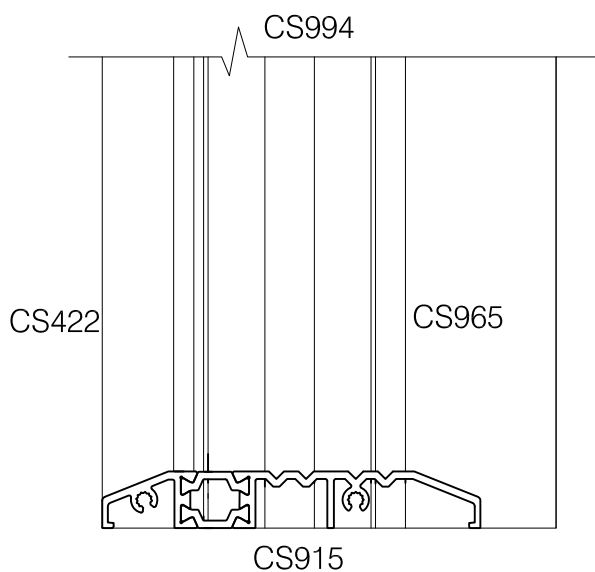
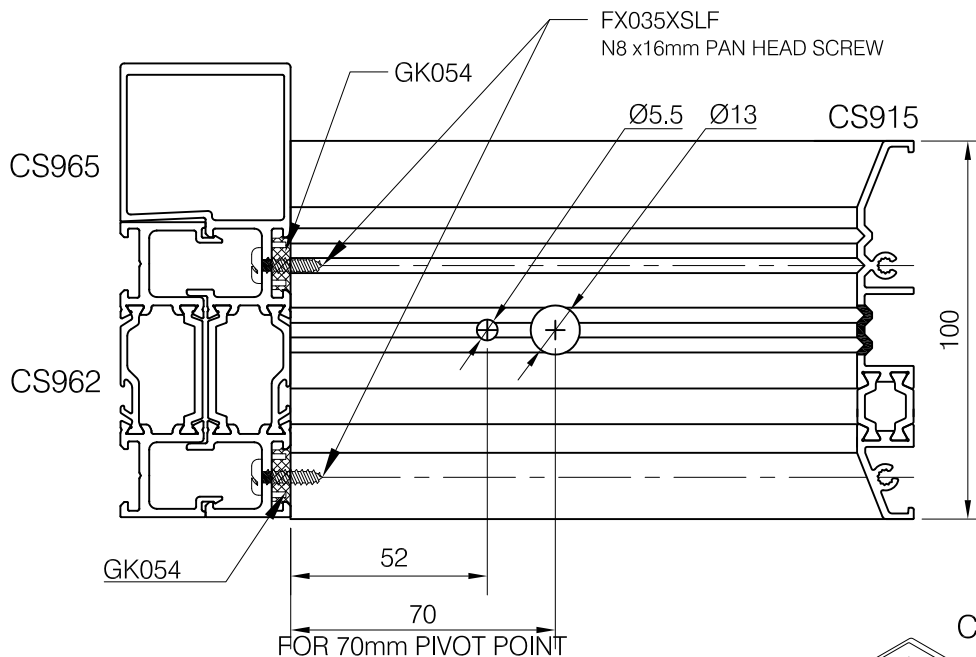
1. IN070XSFL SLIDES IN TO CS778 PRIOR TO LEAF ASSEMBLY.
2. USING CENTRE PUNCH TO MARK HOLES 1 - 4 & B,C & D. REMOVE IN070XSFL AND DRILL & HOLES 1 - 4 FOR No 8 SCREWS FX035XSFL, ALSO DRILL 5mm CLEARANCE HOLES AT B,C & D.
3. REPLACE IN070XSFL INTO CS778 BEYOND CLEAT FIXING HOLES. DOOR LEAF CORNERS ARE FIXED WITH CLEATS NC070XSFL. SLIDE PLATE IN070XSFL BACK & FIX IT TO CS778 WITH 4 No.FX802XSFL SCREWS.
4. FIX BOTTOM PIVOT TC-9500-17 TO PLATE IN070XSFL USING SCREWS SUPPLIED IN KIT.

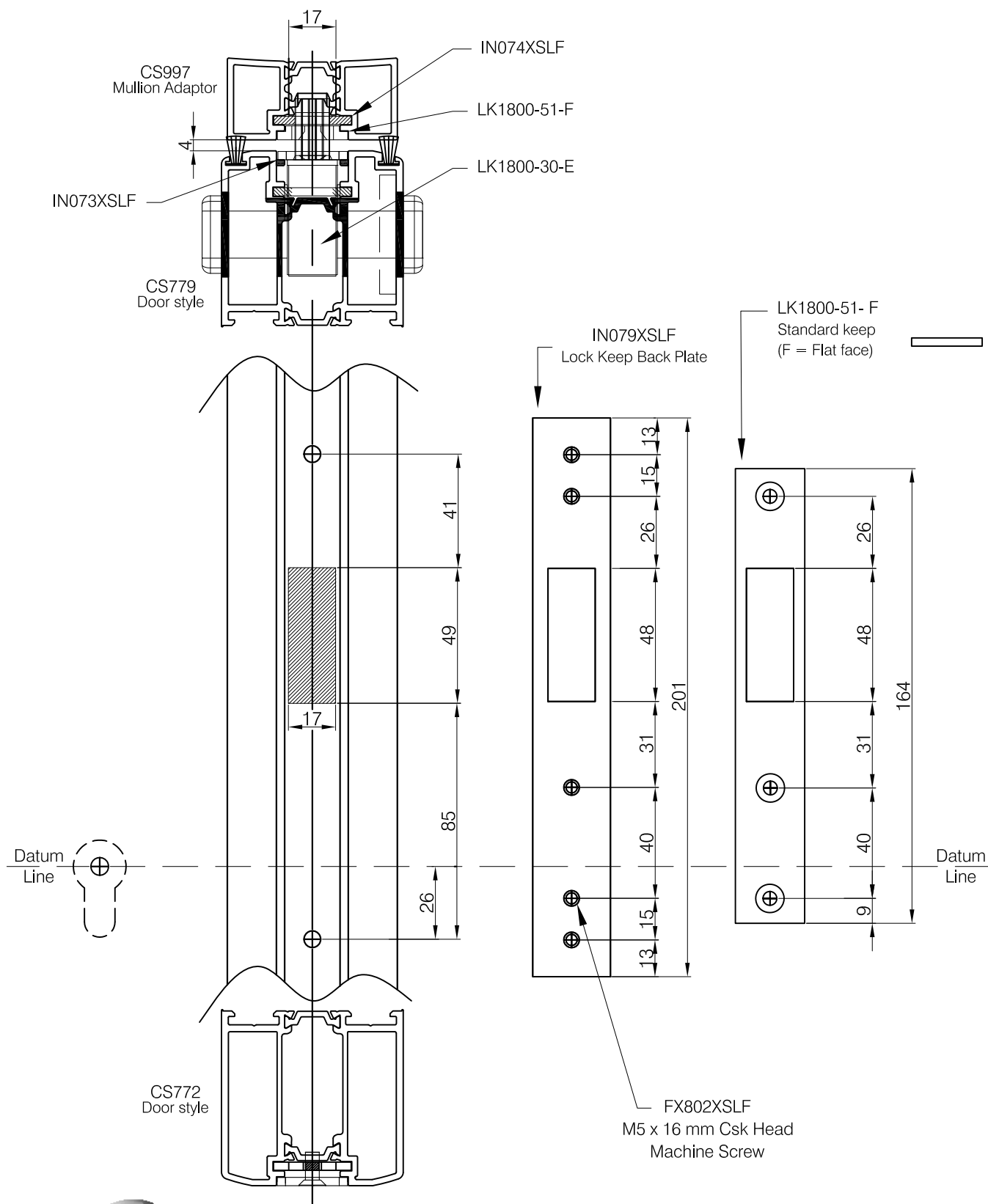




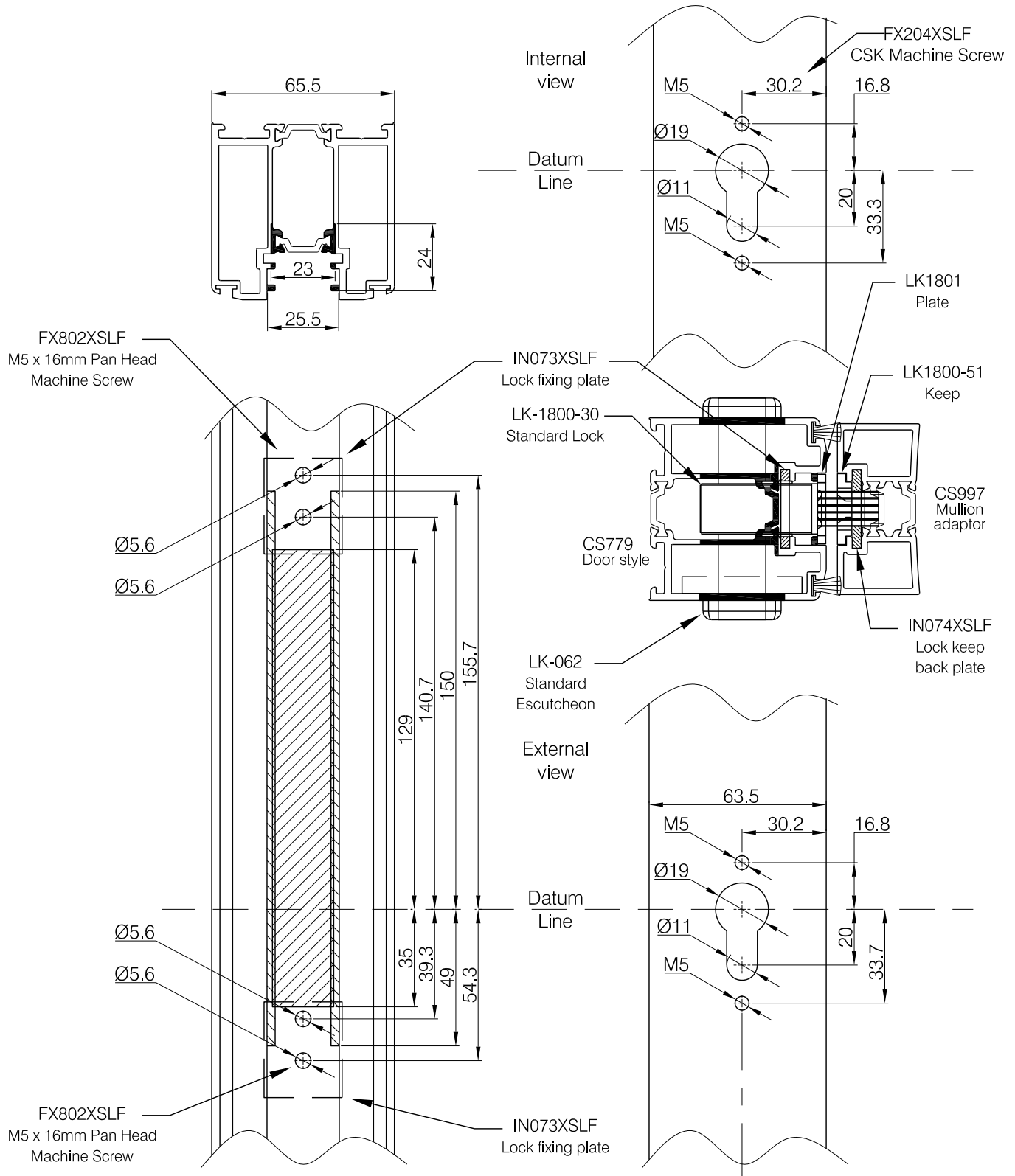
USE TOOL 13 STATION 2 TO
PUNCH 5.5mm HOLE IN CS915

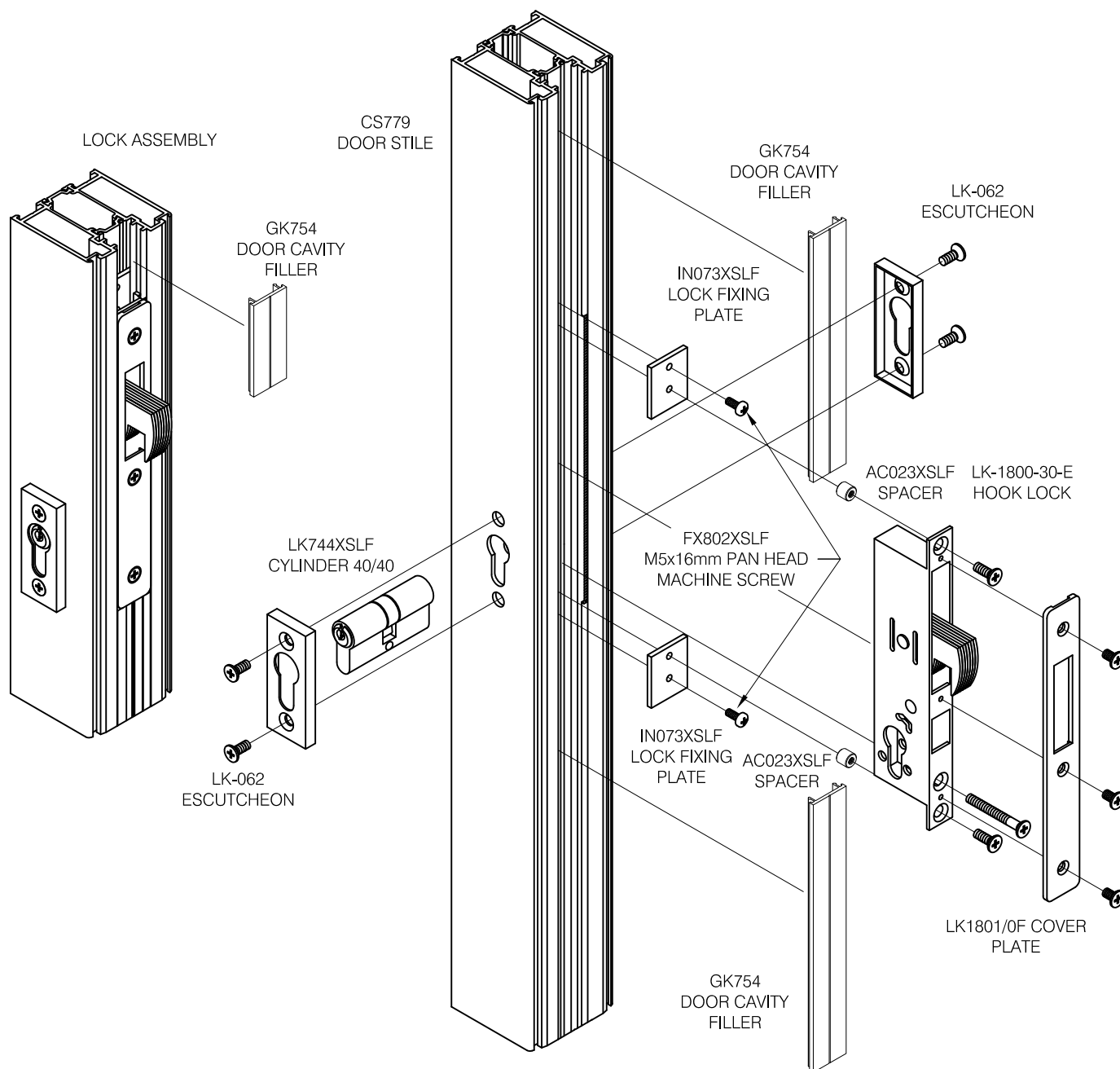
USE TOOL 13 STATION 4 TO
PUNCH 13mm HOLE IN CS915

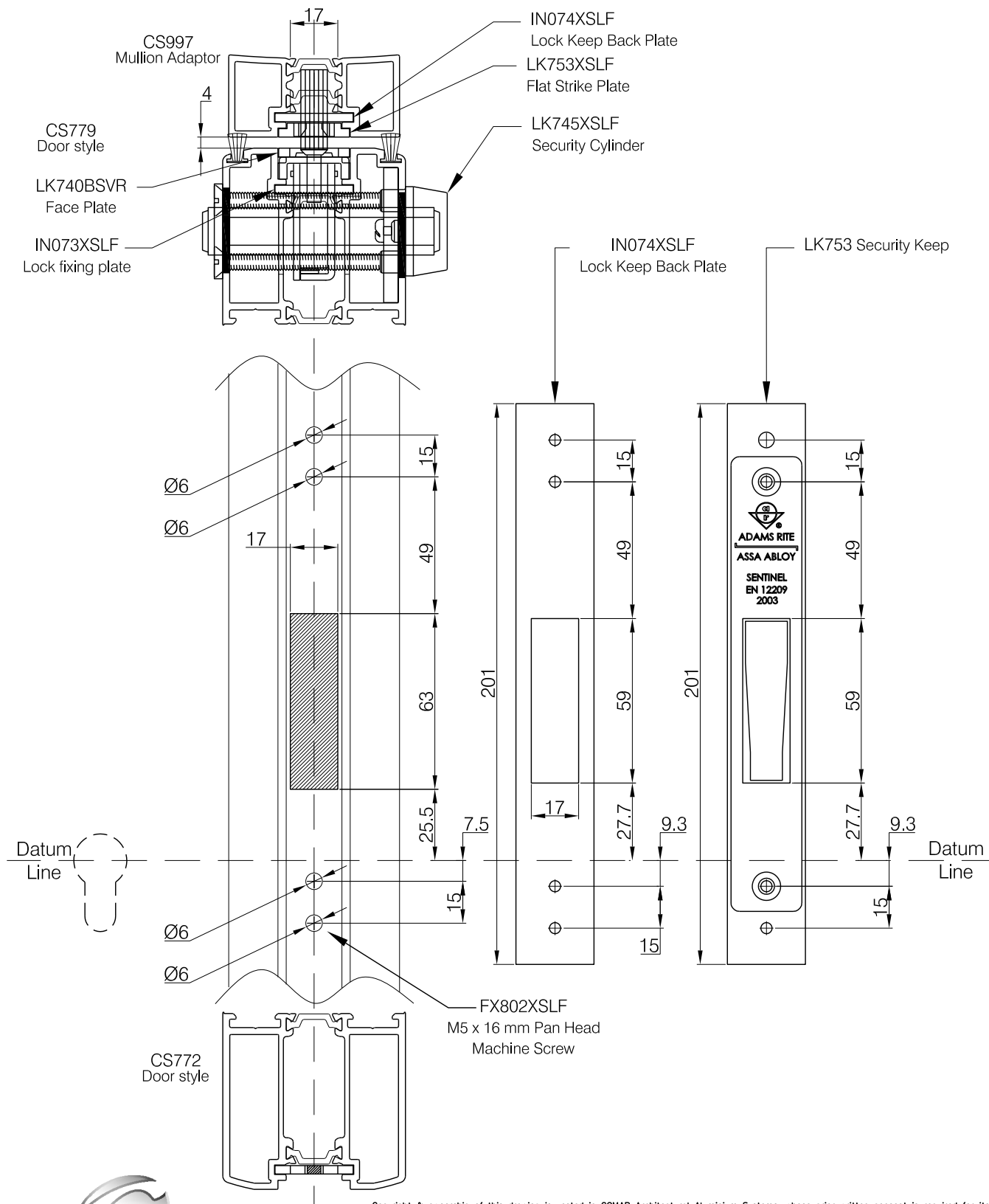




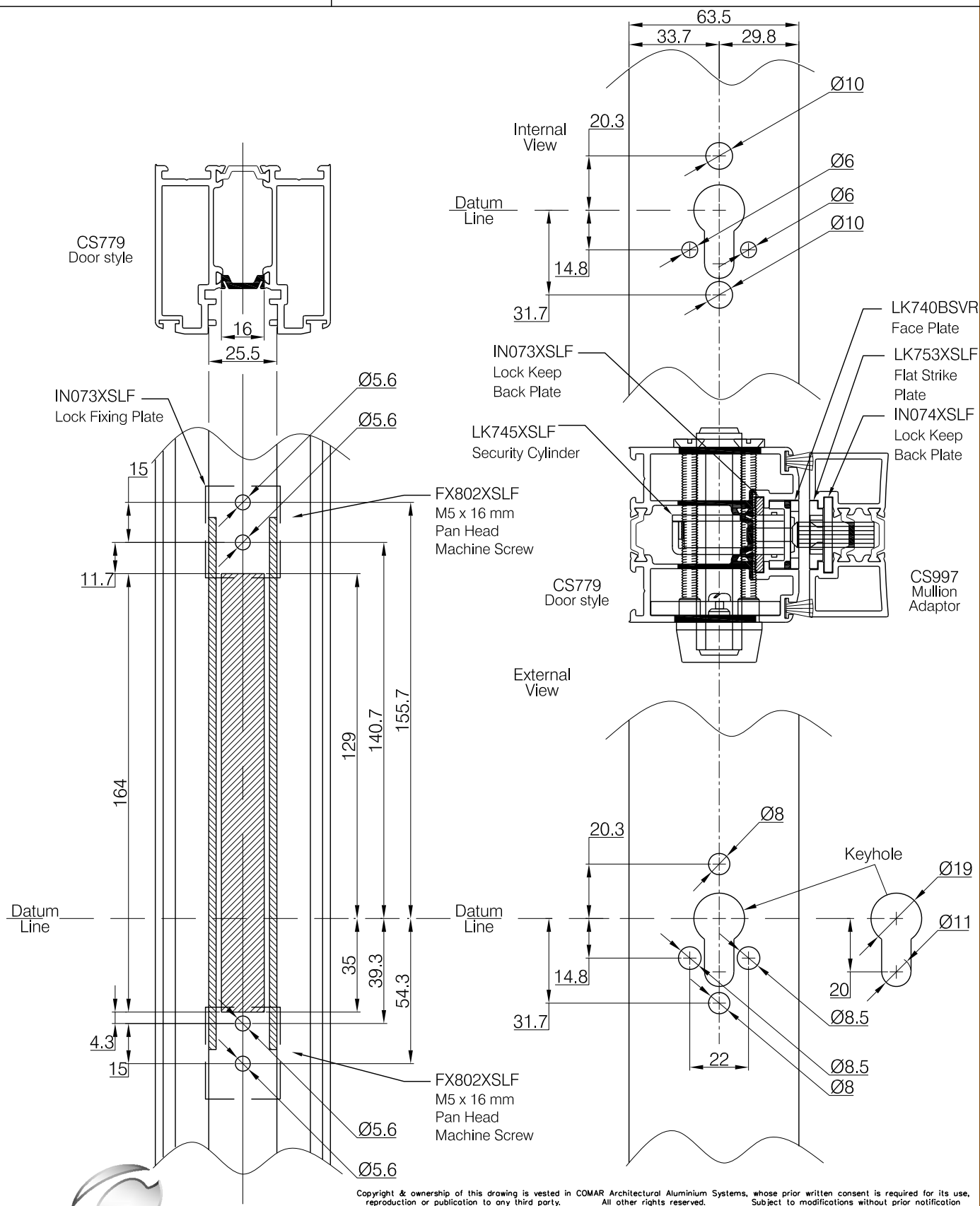
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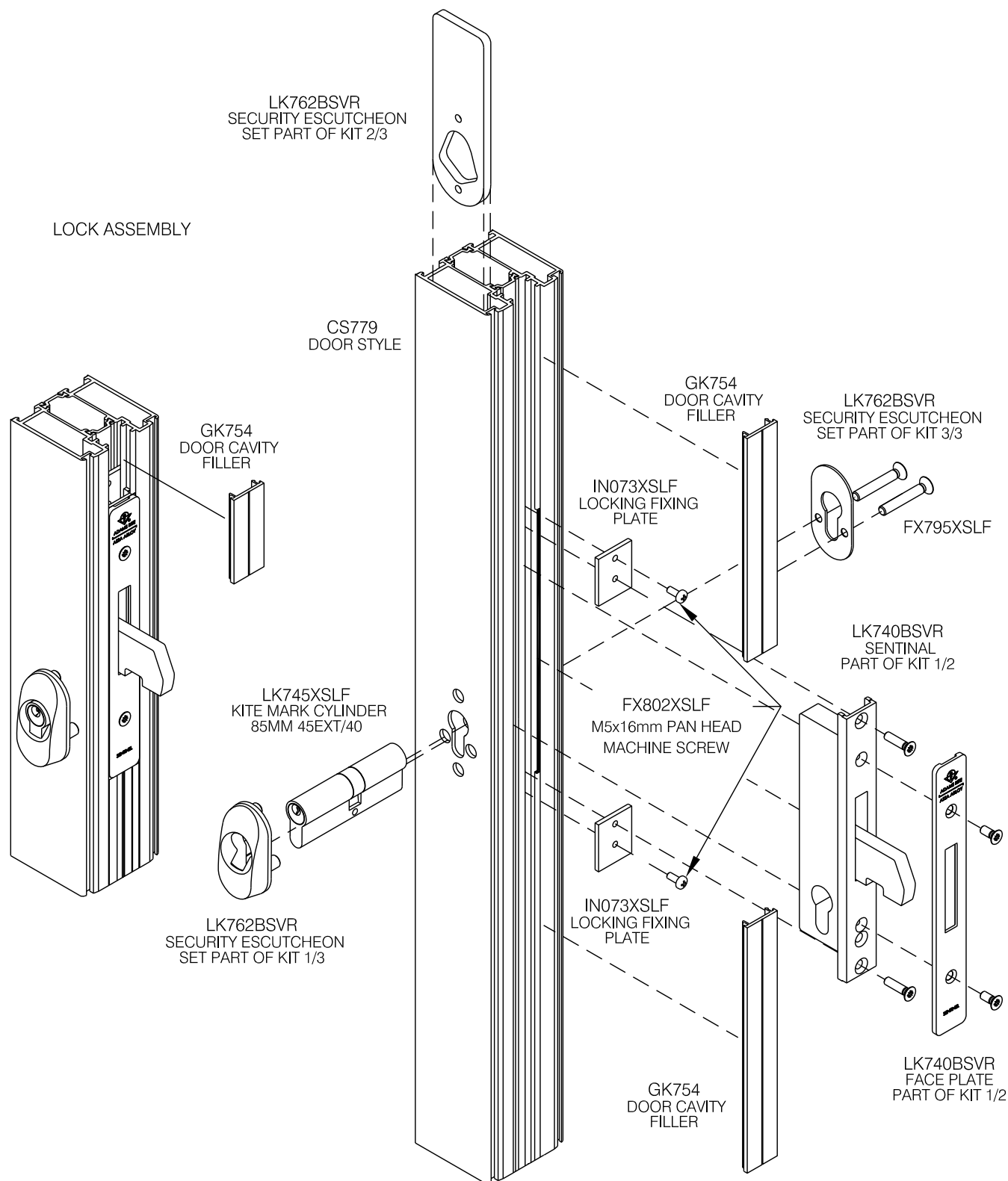


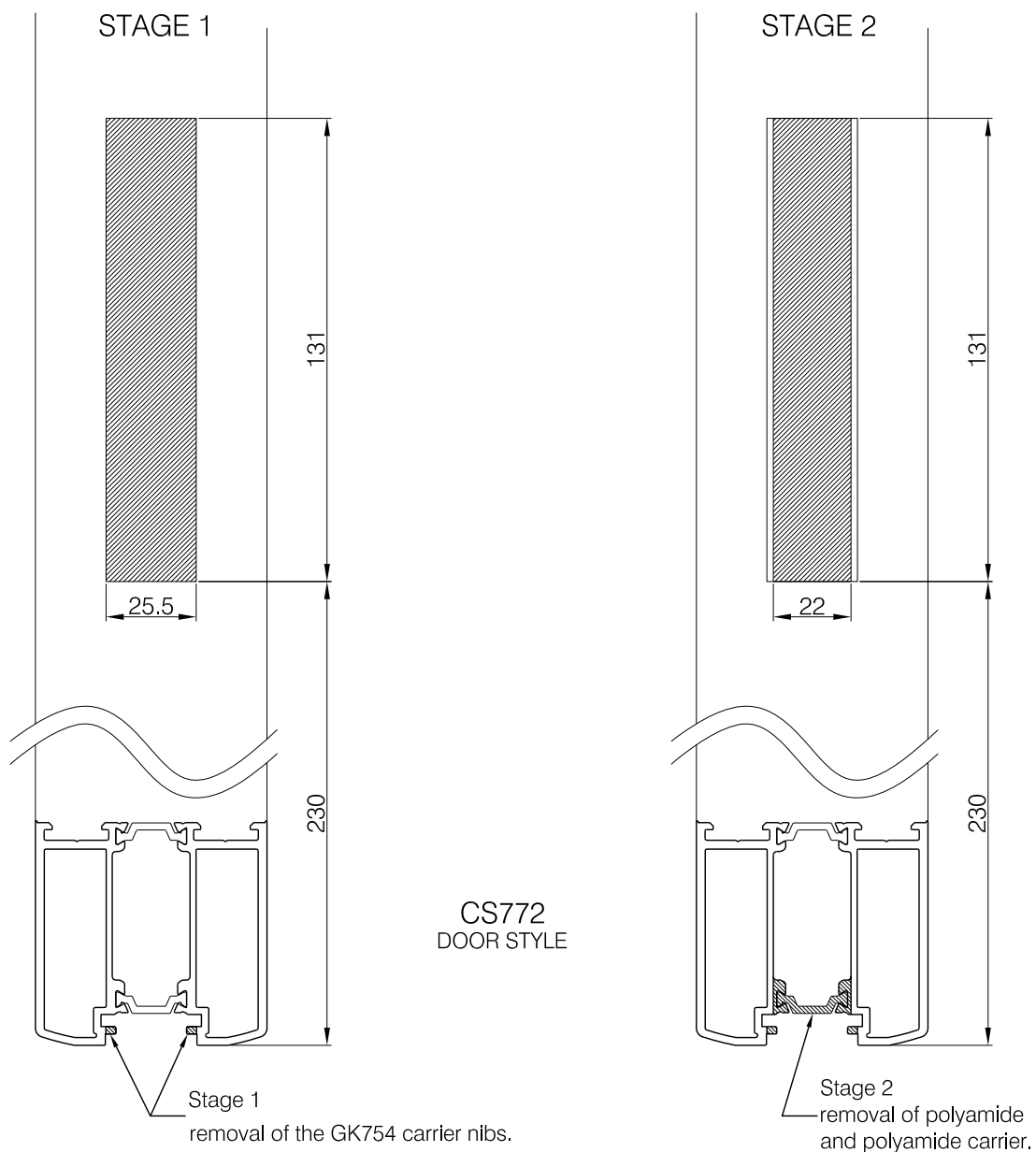


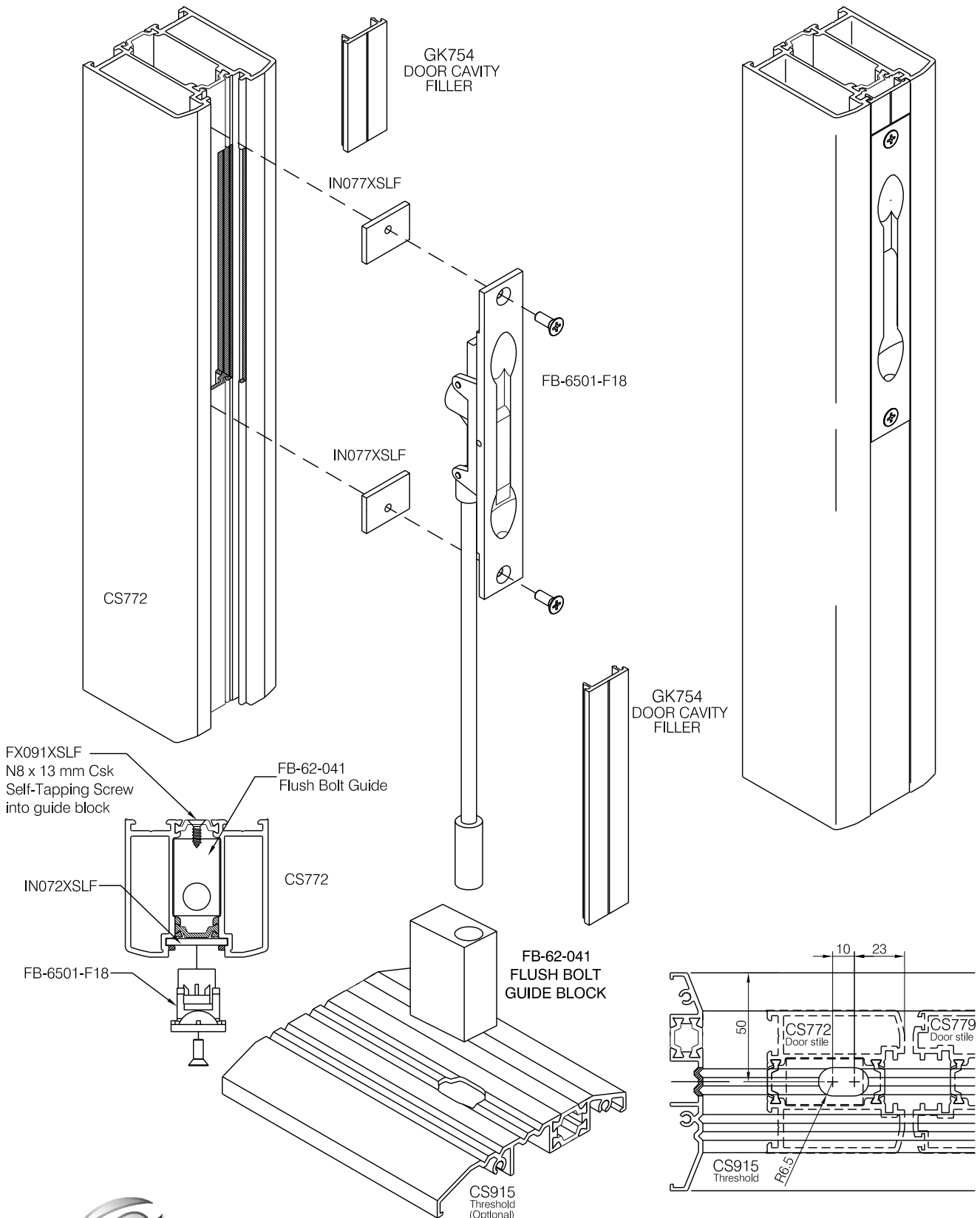


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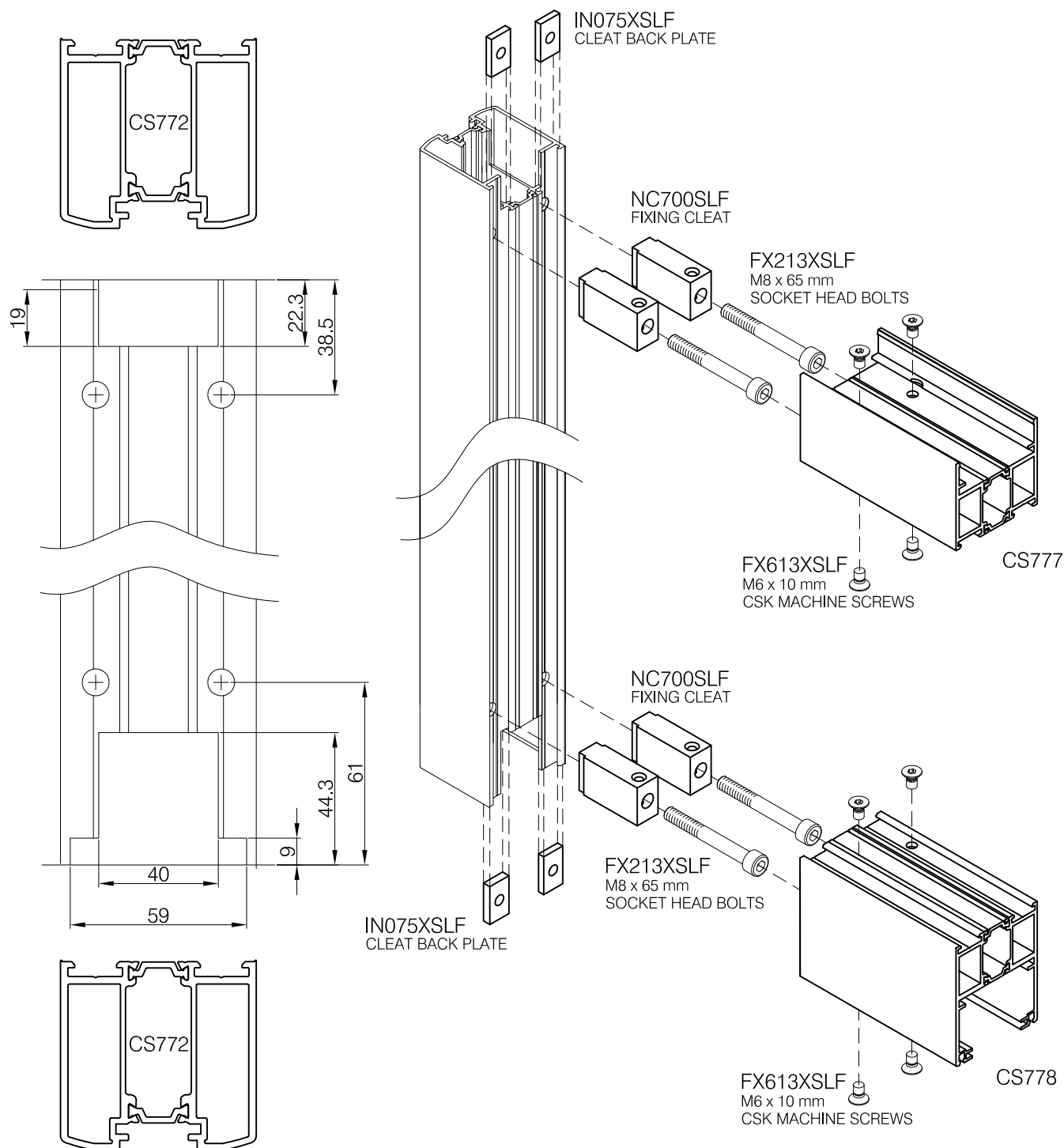






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TITLE

POLYAMIDE INSULATED DOORS
COMAR 7Pi COMMERCIAL DOOR

SHEET No.

3.26.2

SUB TITLE

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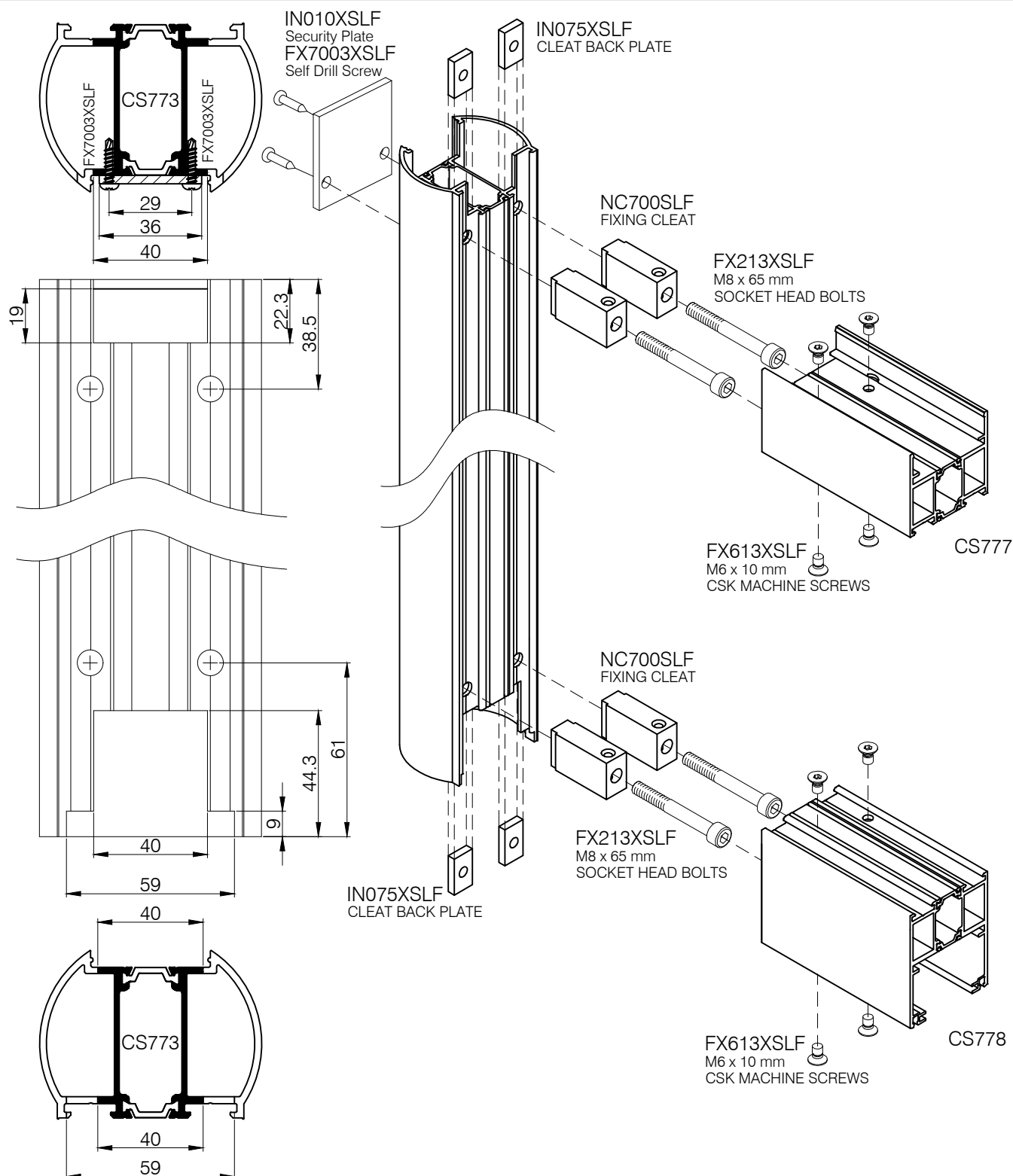
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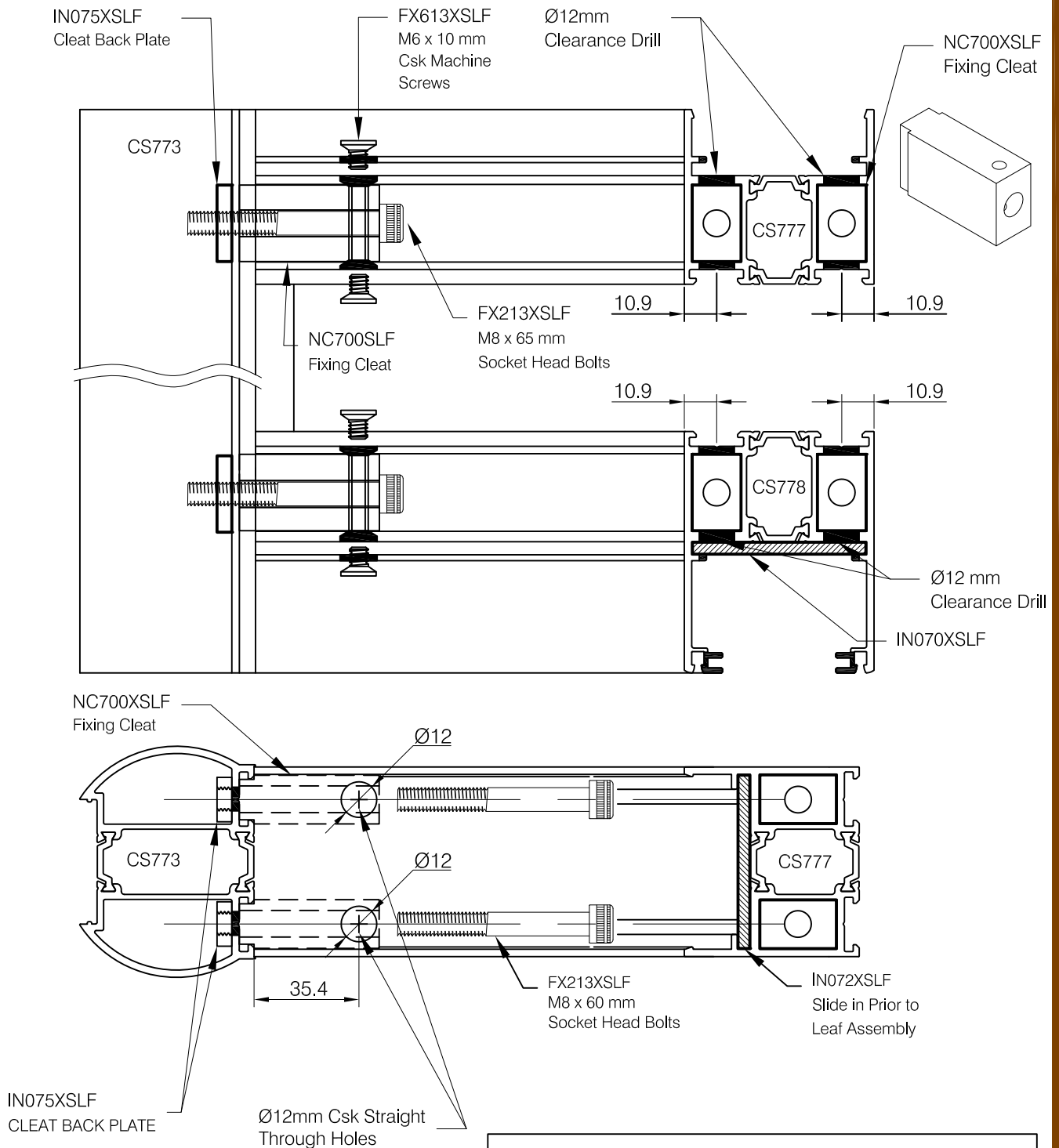


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PLEASE NOTE: ALL PREPS FOR CS773, CS772 SHOULD BE DONE PRIOR TO LEAF ASSEMBLY. WP007, IN070 AND IN072 SHOULD BE SLID IN PRIOR TO LEAF ASSEMBLY

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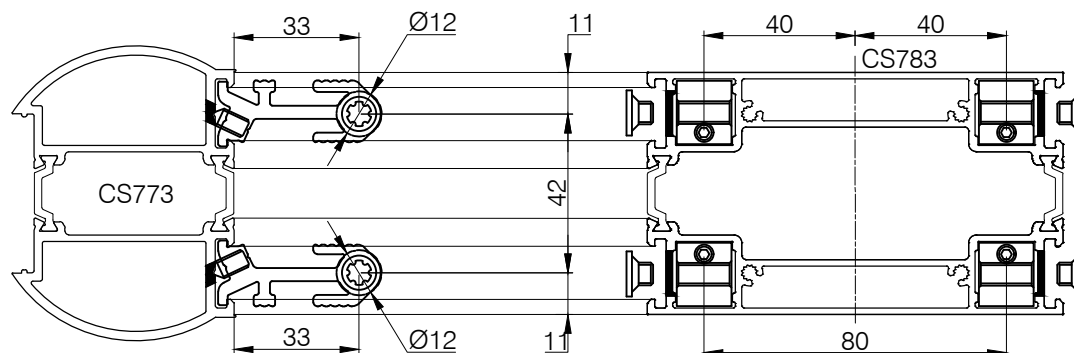
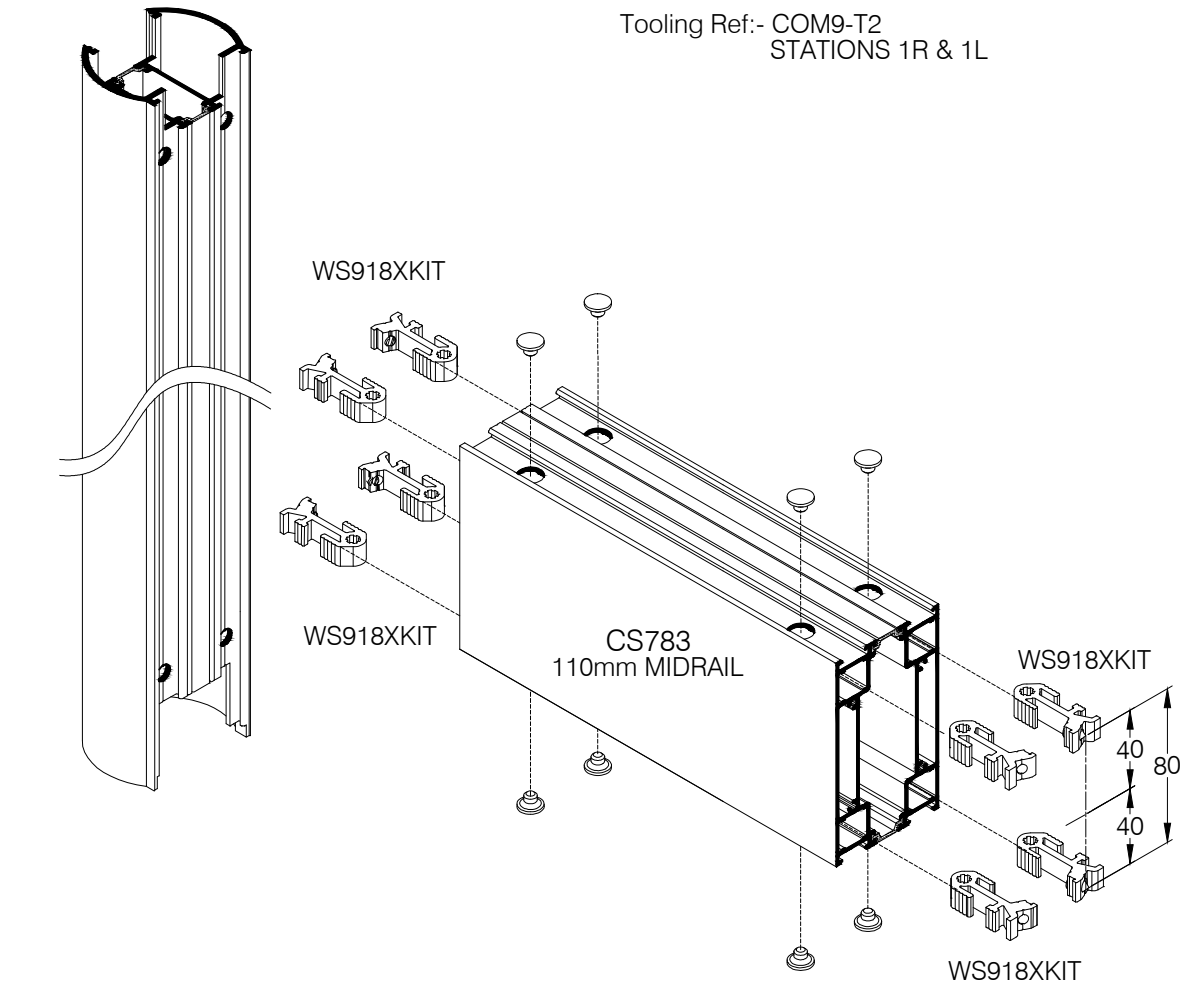


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SCALE	NTS	@ A4
DATE	24/04/17	
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CS773
FINGER GUARD
DOOR STYLE

Tooling Ref:- COM9-T2
STATIONS 1R & 1L



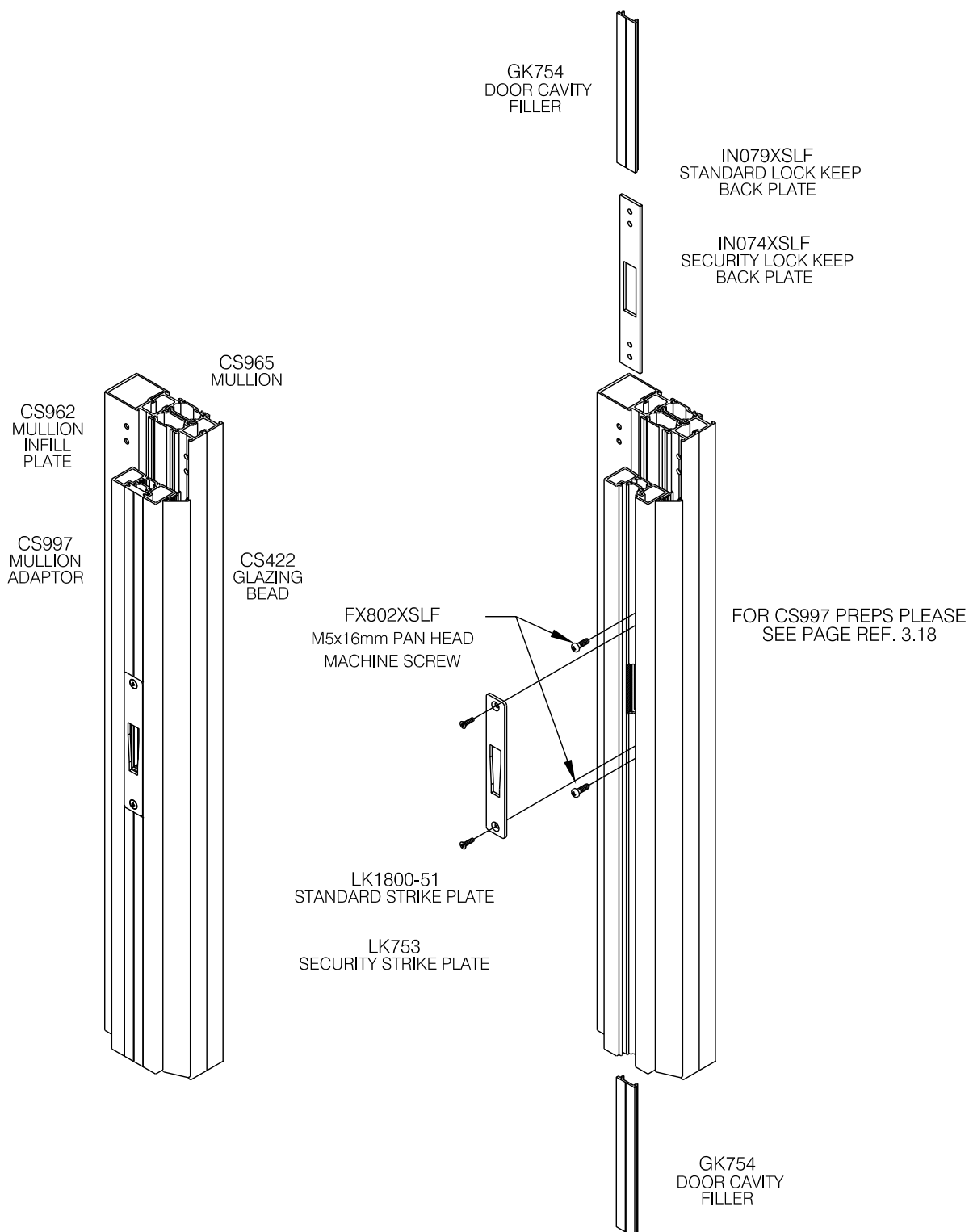
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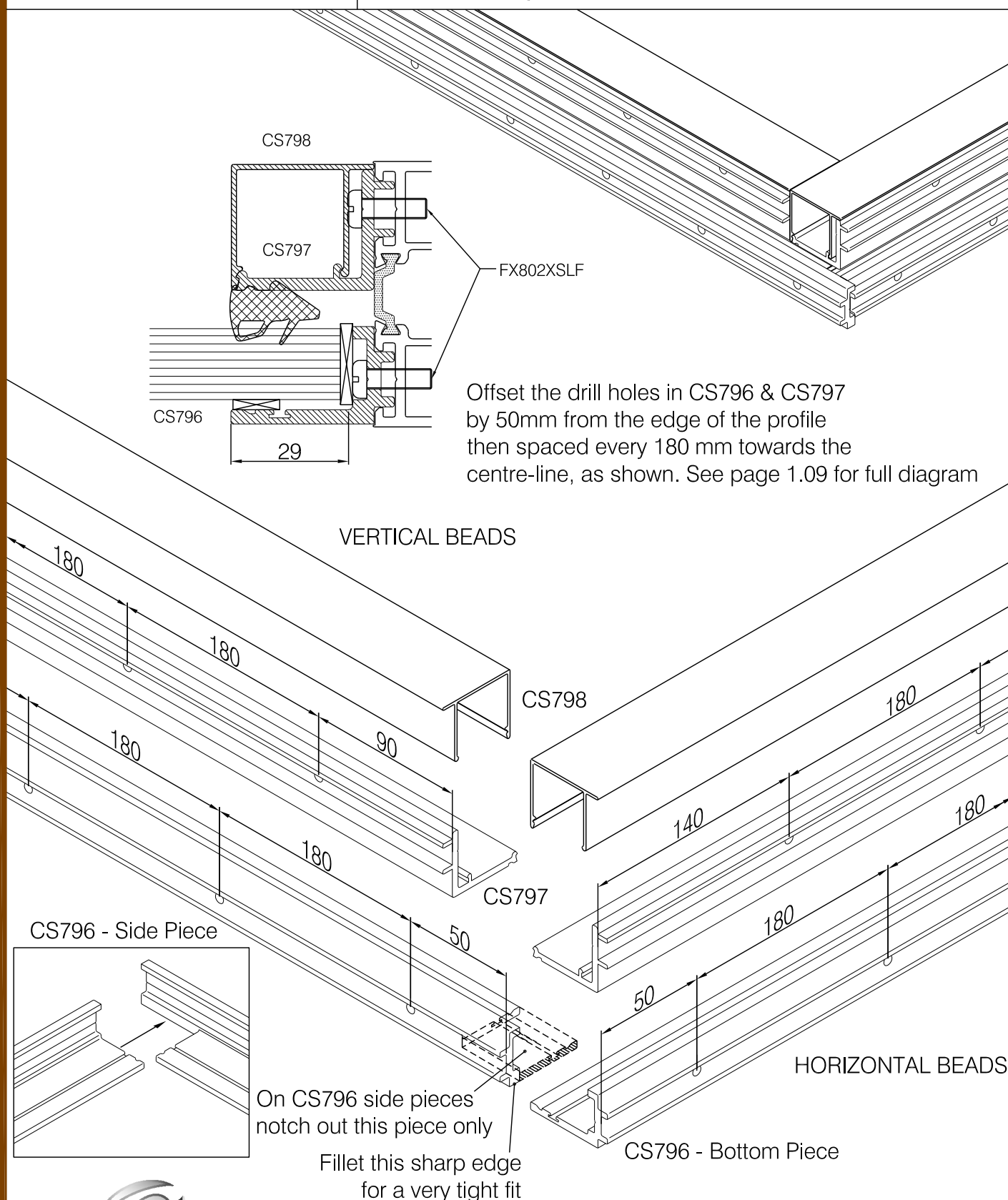


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Panic exit device,
Concealed Vertical Rod, 42" bar.

Aluminium PR-7085-AL
Bronze PR-7085-DU
Black PR-7085-BK
Green PR-7085-GRN

Accessories.

Crash bar 48"

Silver CB-748-AL
Black CB-748-BK

Extension rod with coupler
(300mm extension) RE-712

Rim cylinder lock for 67mm Door Stile
with 7085 Panic Exit Device.
Supplied with 2 keys. (keyed to differ)

Aluminium RC-791-AL

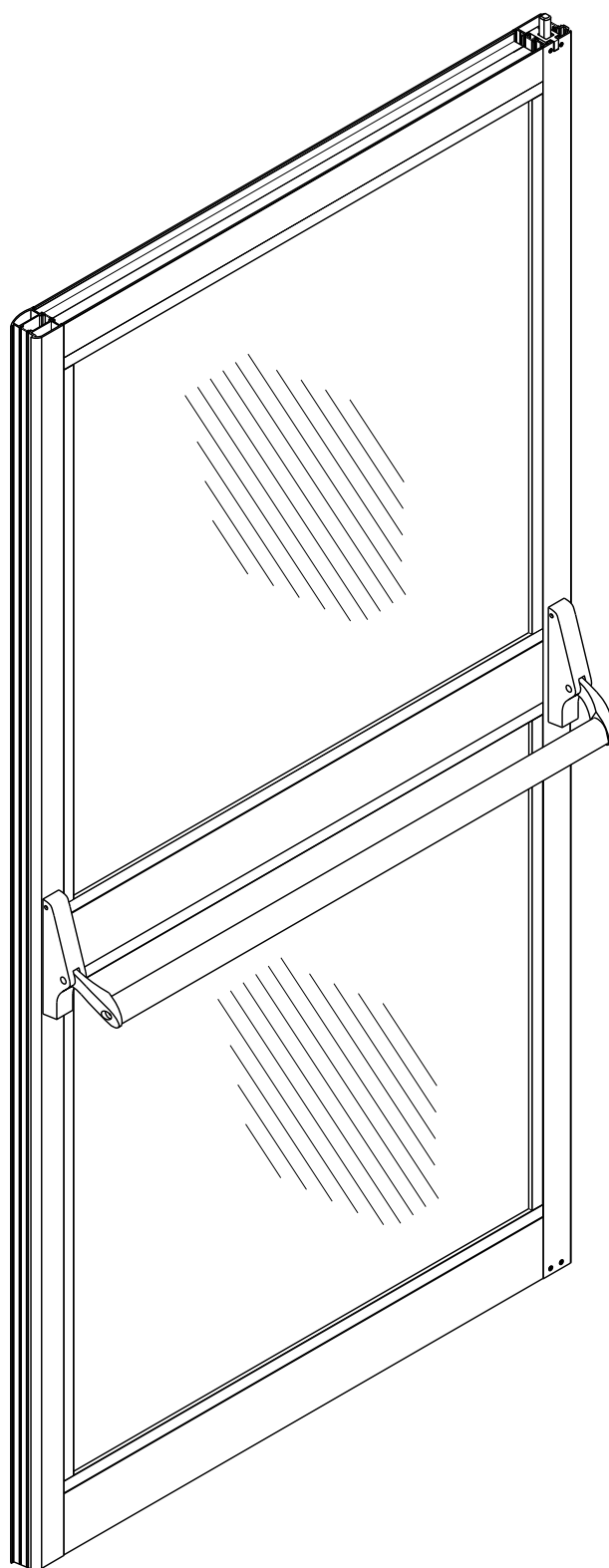
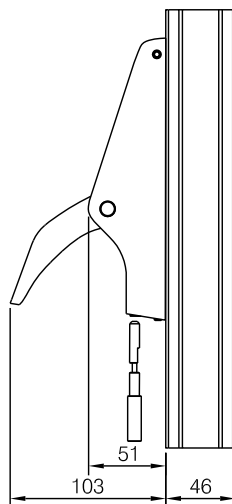
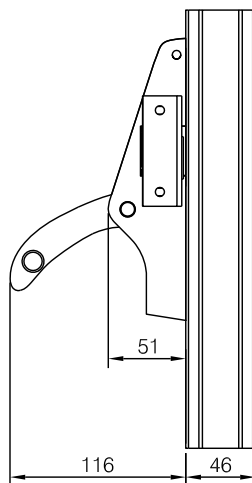
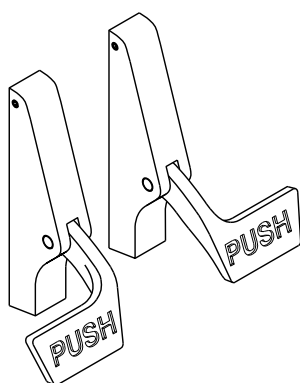
Rim cylinder lock for 67mm Door Stile with 7085
Panic Exit Device
Supplied with 2 keys. (keyed alike)

Aluminium RC-791-AL-S

Cylinder Mounting Pad with Locking Ring

Aluminium MP-792-AL

Exposed, knurled dogging pin
Stainless steel DP-713

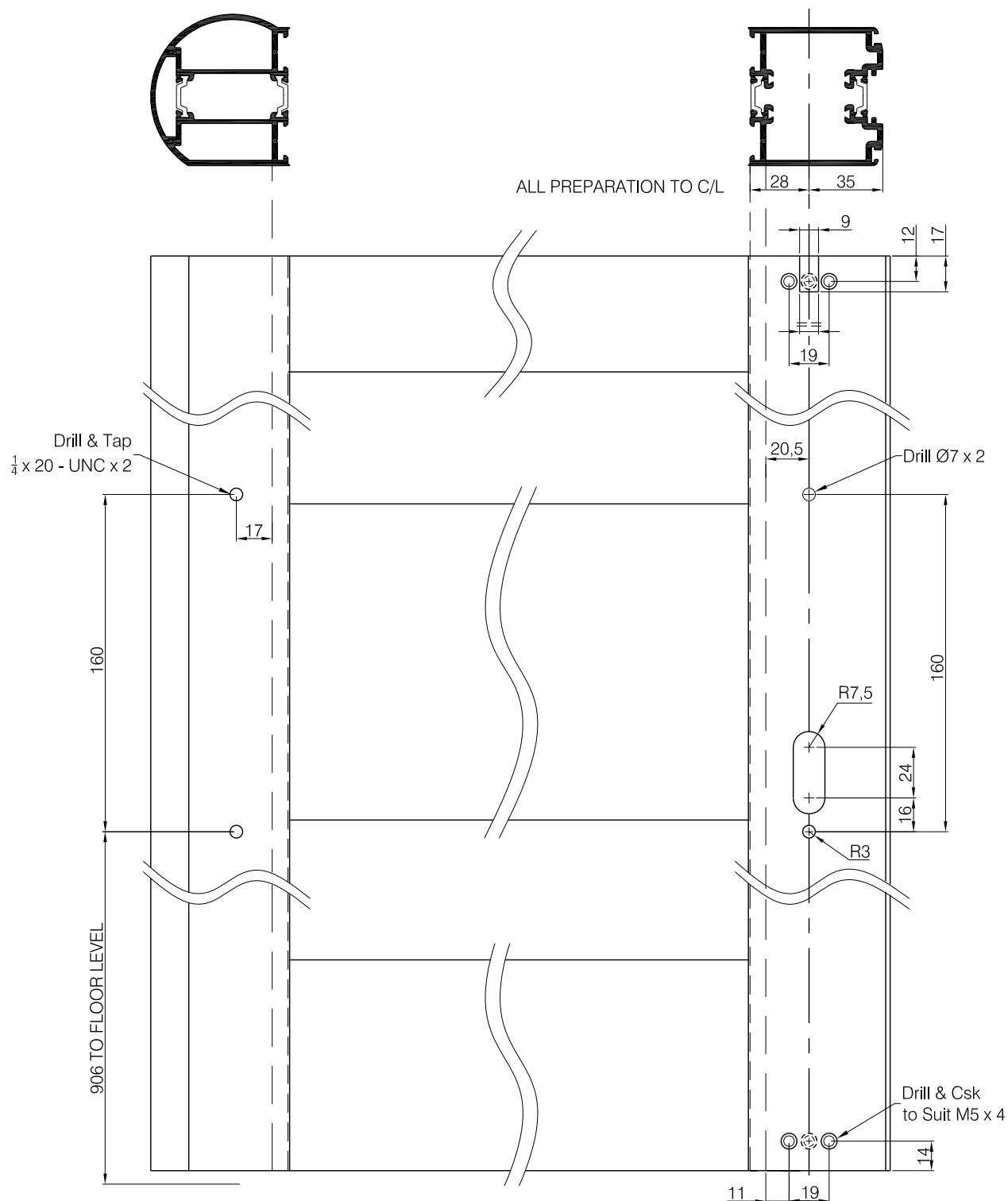


Alternative Paddle Handle

Aluminium PR-7085-P-AL-RH (Right Handed)

Aluminium PR-7085-P-AL-LH (Left Handed)

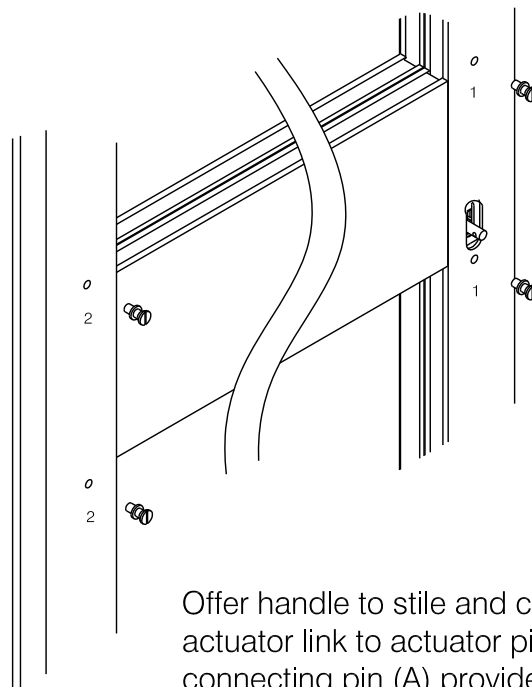
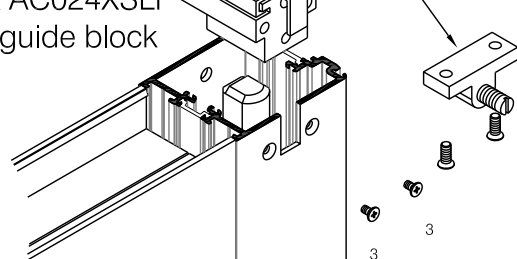




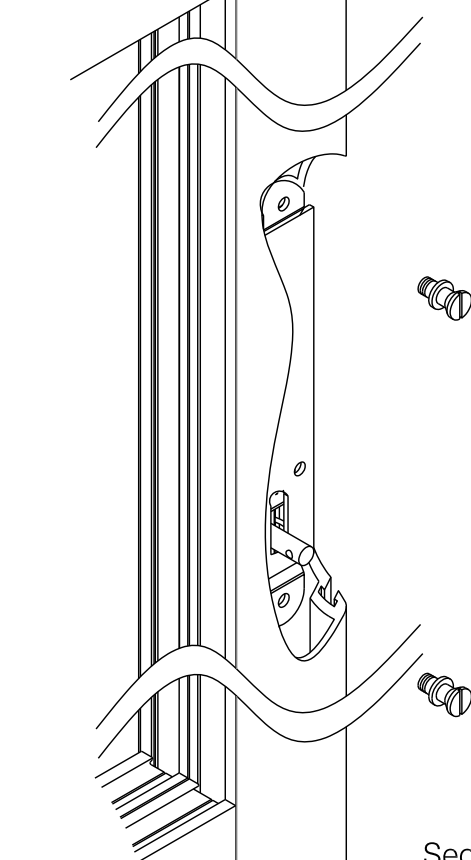
Fix AC024XSFL
to guide block

Secure trip
bracket to header

Secure fixing screws (1) thru stile into lock mechanism, and screws (2) into tapped holes in opposite stile.

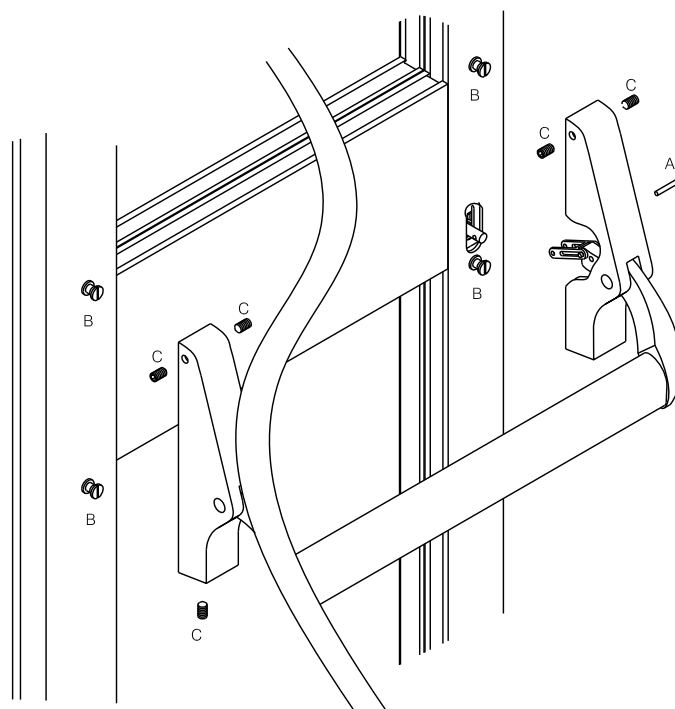


Offer handle to stile and connect actuator link to actuator pin using connecting pin (A) provided. Position handle onto fixing screws (B) and secure using grub screws (C).



Secure guide
blocks to
stile using
screws (3).

Fix AC024XSFL
to guide block



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PR 7000 Series Panic exit device,
Concealed Vertical Rod, Flat Touch Bar.

Aluminium - 42" Wide PR-7100-AL
Black - 42" Wide PR-7100-BK
Aluminium - 48" Wide PR-7100-48-AL

Accessories.

Extension rod with coupler
(300mm extension) RE-712

Rim cylinder lock for 67mm Door Stile
with 7085 Panic Exit Device.
Supplied with 2 keys. (keyed to differ)

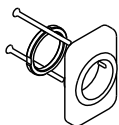
Aluminium RC-791-AL

Rim cylinder lock for 67mm Door Stile
with 7085 Panic Exit Device
Supplied with 2 keys. (keyed alike)

Aluminium RC-791-AL-S

Cylinder Mounting Pad with Locking Ring

Aluminium MP-792-AL

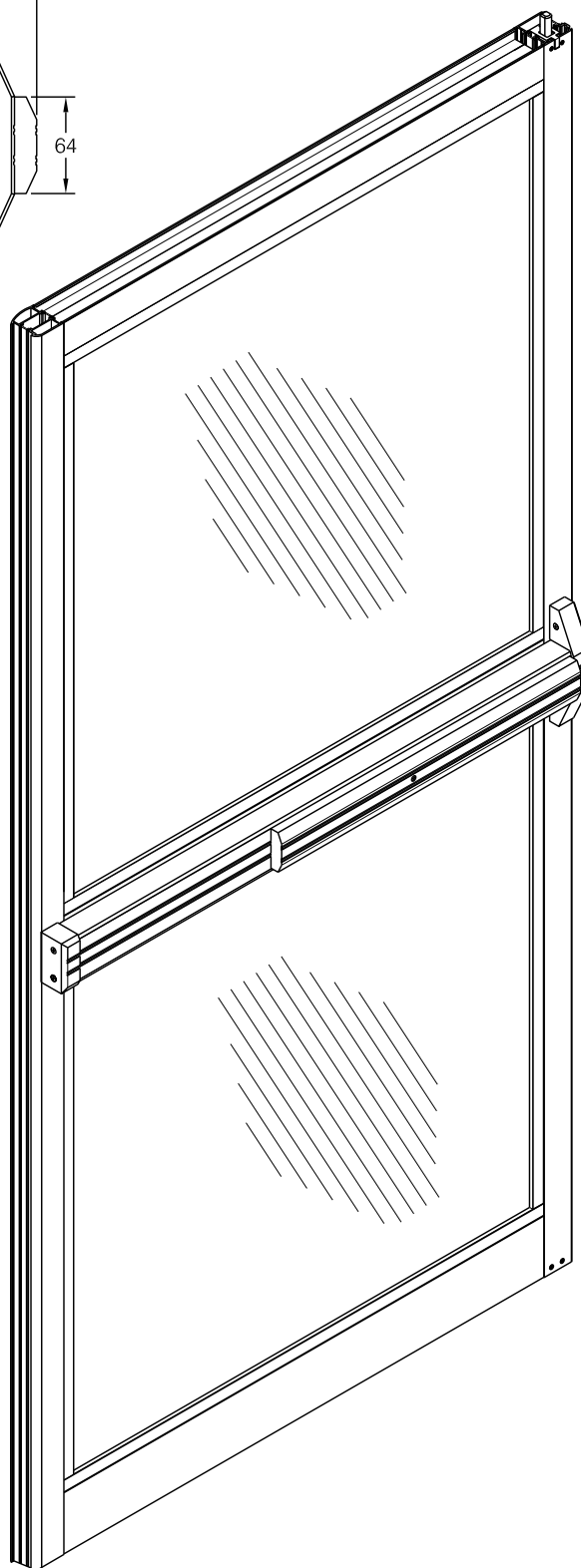
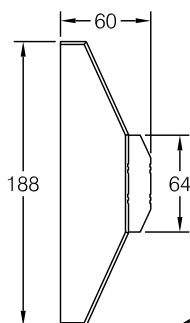
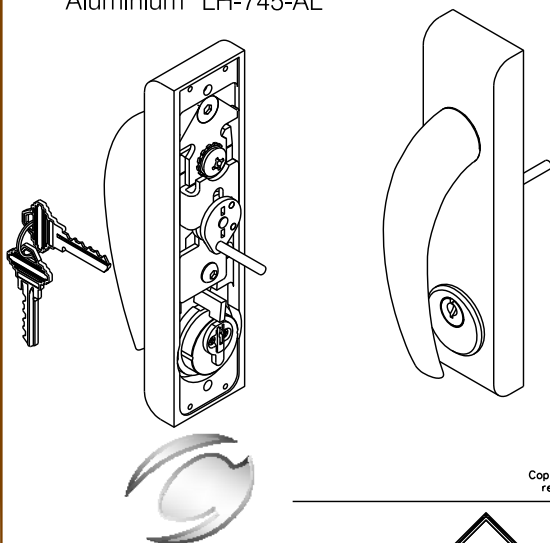


Exposed, knurled dogging pin
Stainless steel DP-713

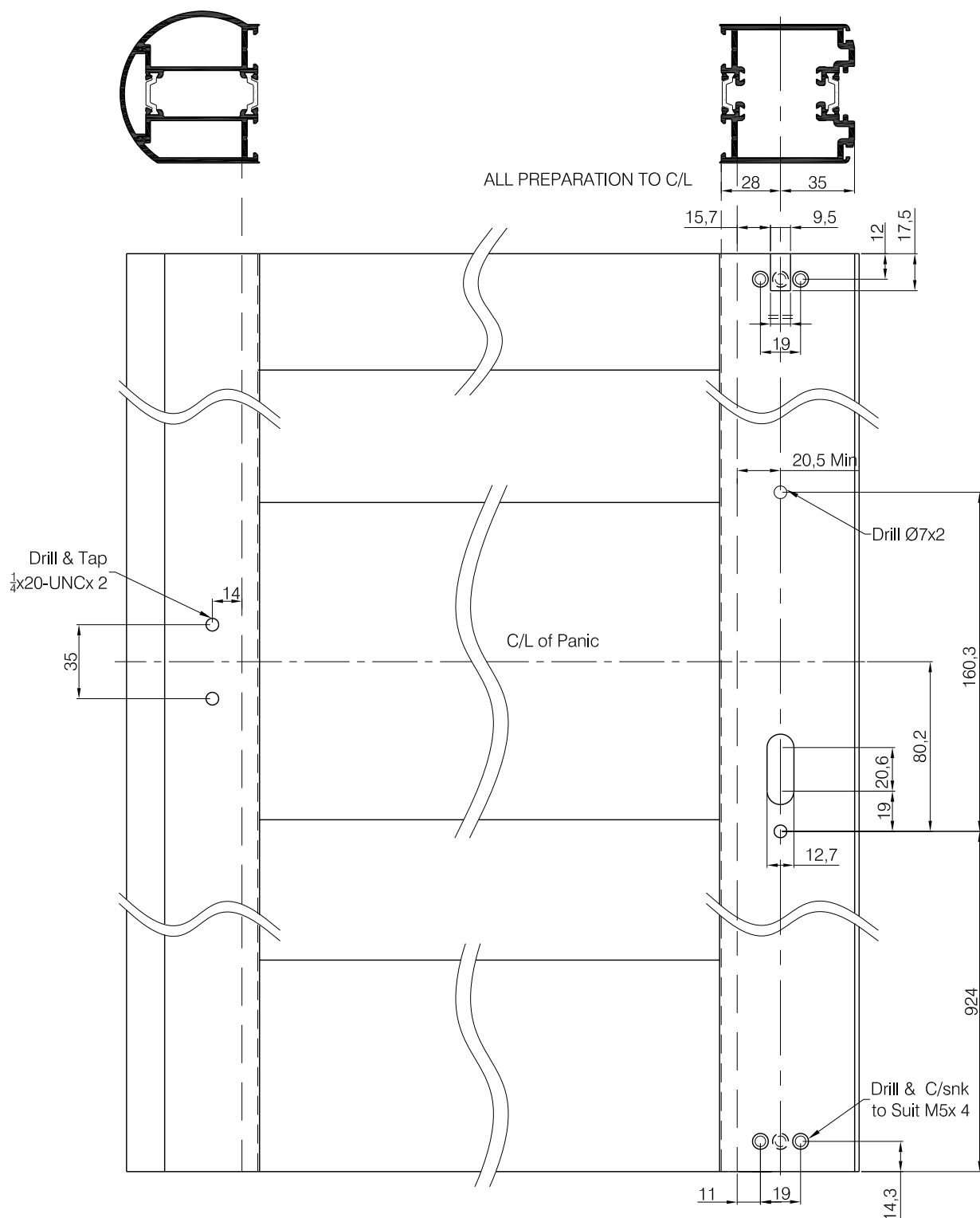


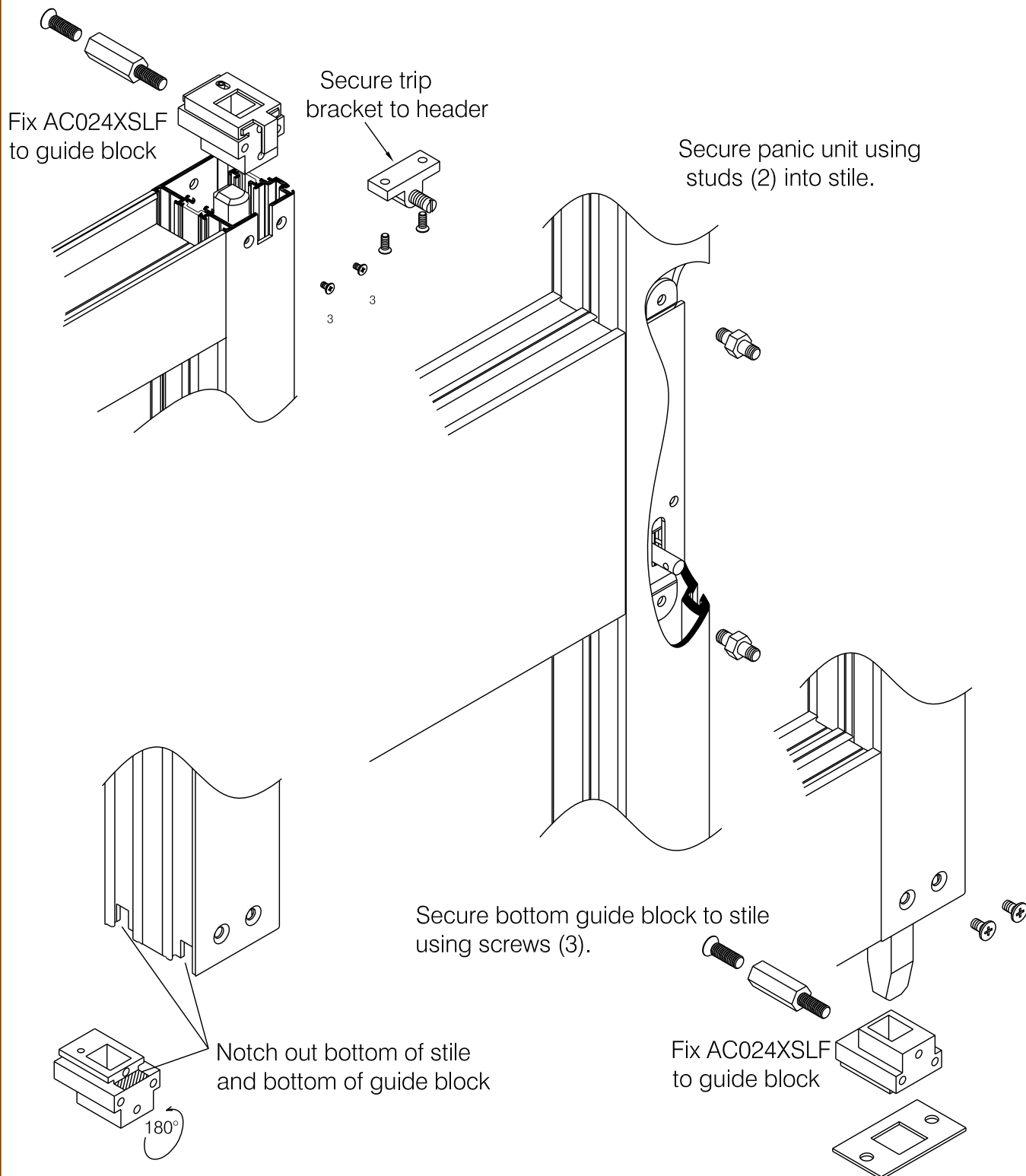
Locking Handle for 67mm Door Stile
with 7100 Panic Exit Device.

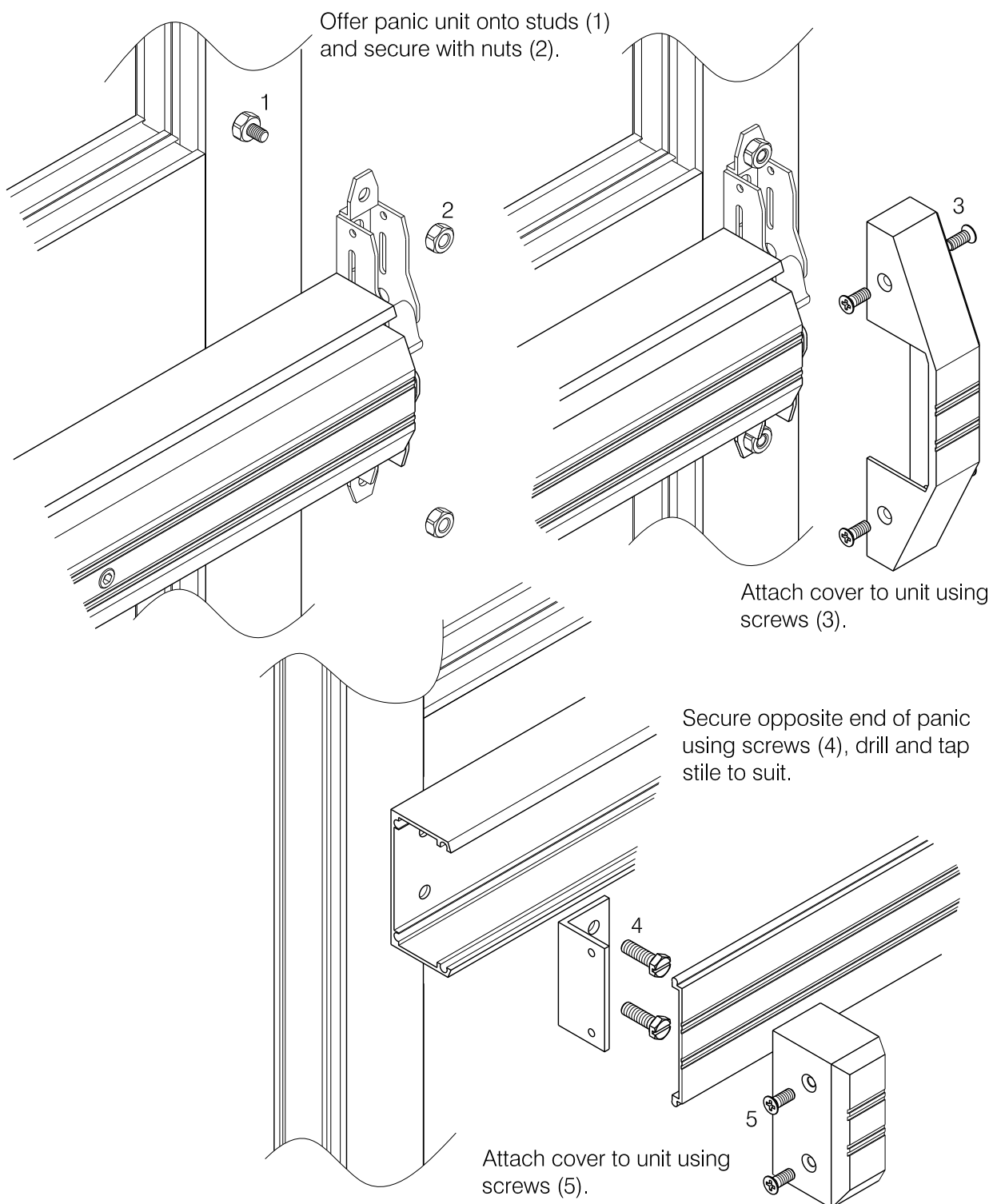
Aluminium LH-745-AL



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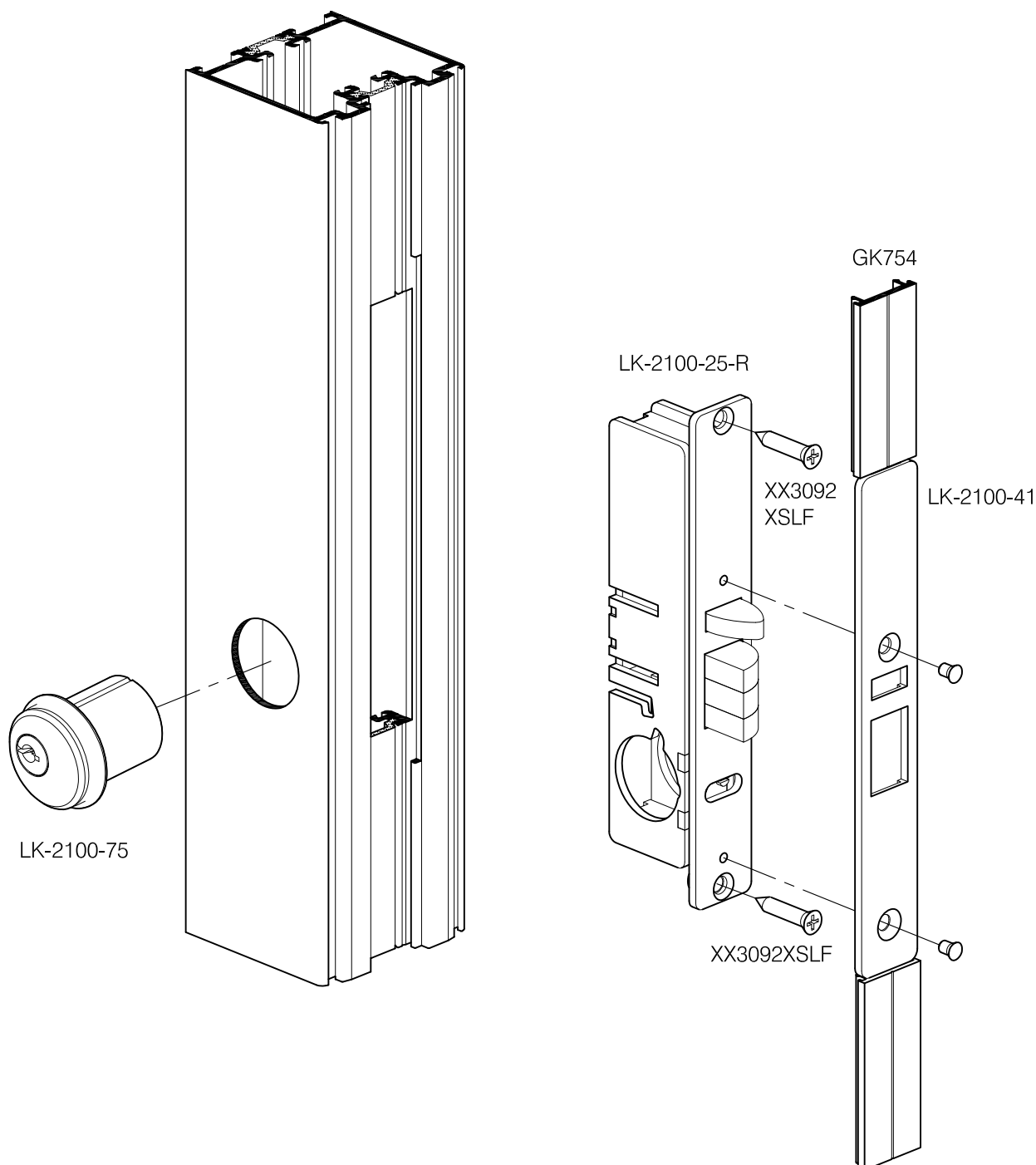


comar 7P.i

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

SHEET No.
3.39

SUB TITLE **ELECTRIC STRIKE OPTION
CS771- ASSEMBLY DETAIL**



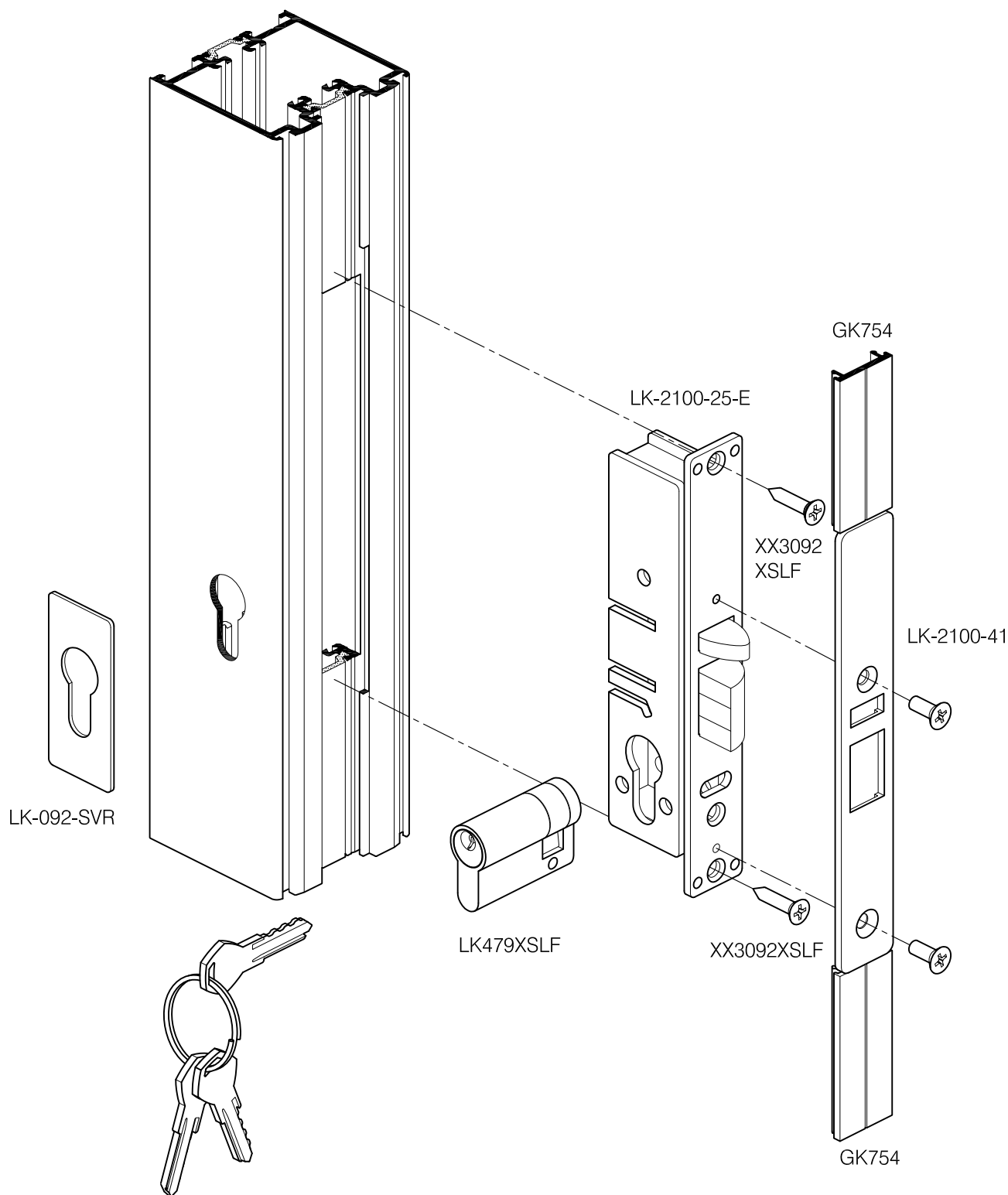
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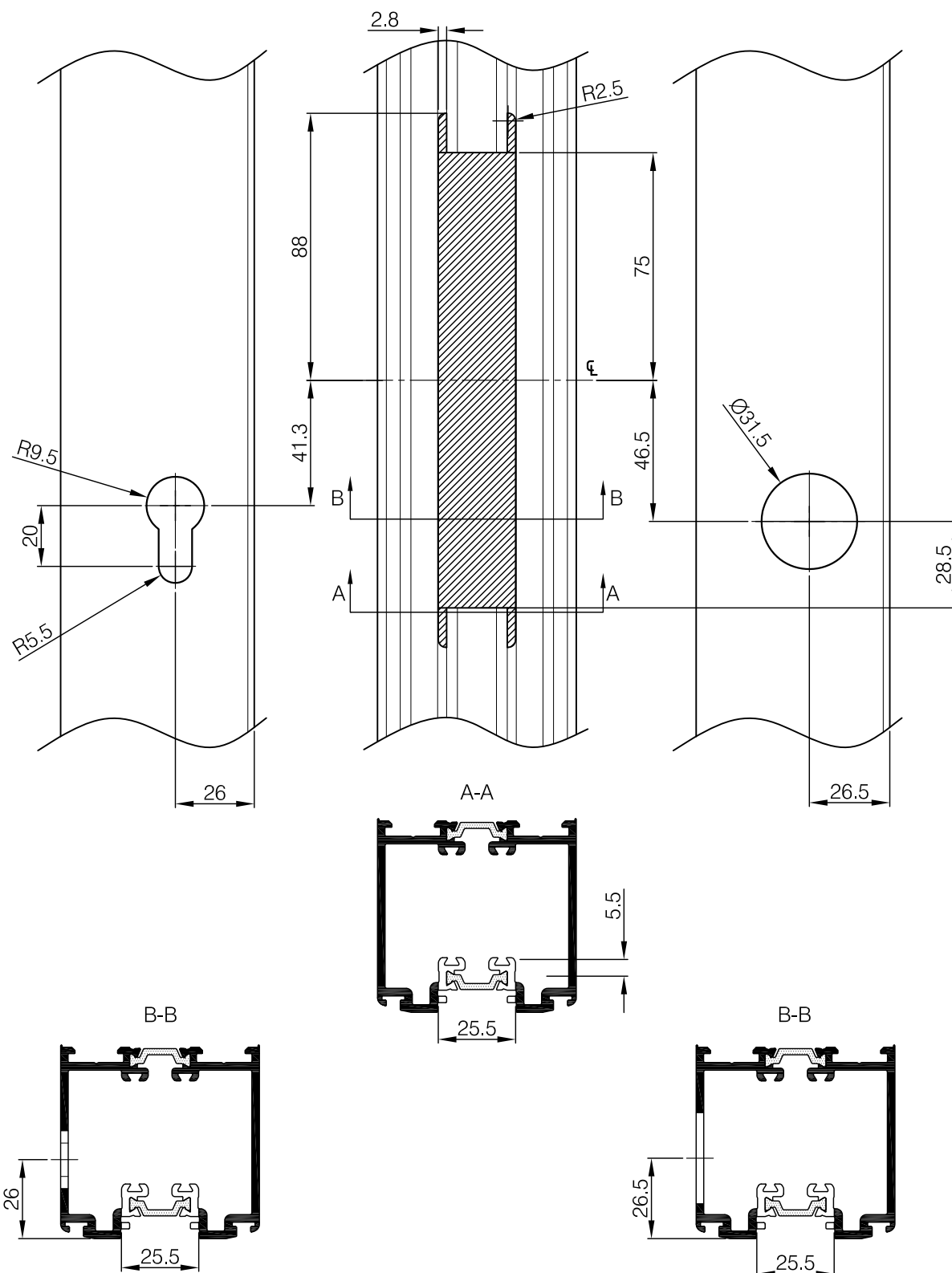


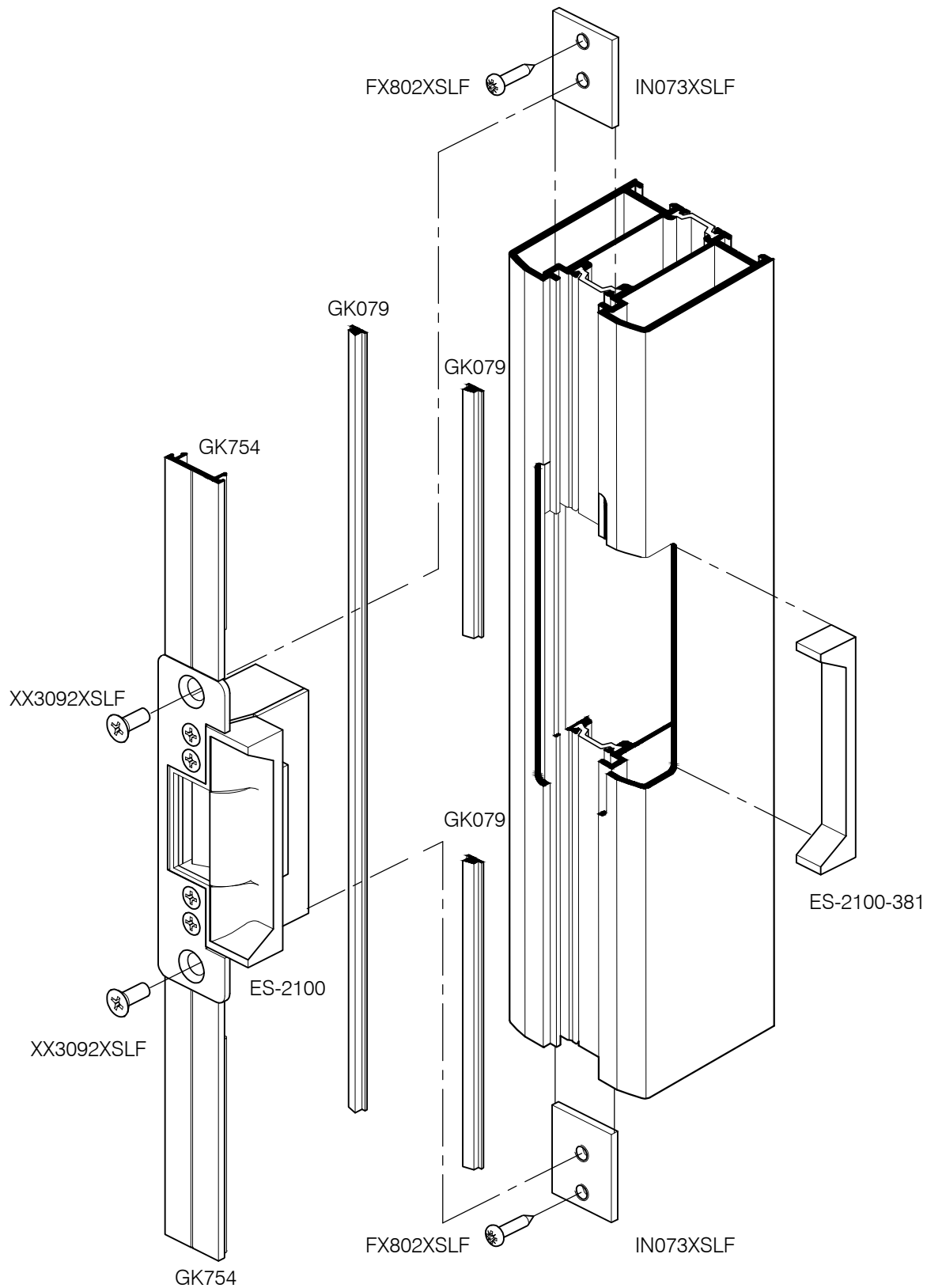
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SCALE	NTS	@ A4
DATE	14/03/2016	
DRAWN	KP/CAD	
DRG. No.	C7-Pi-CD	3.39

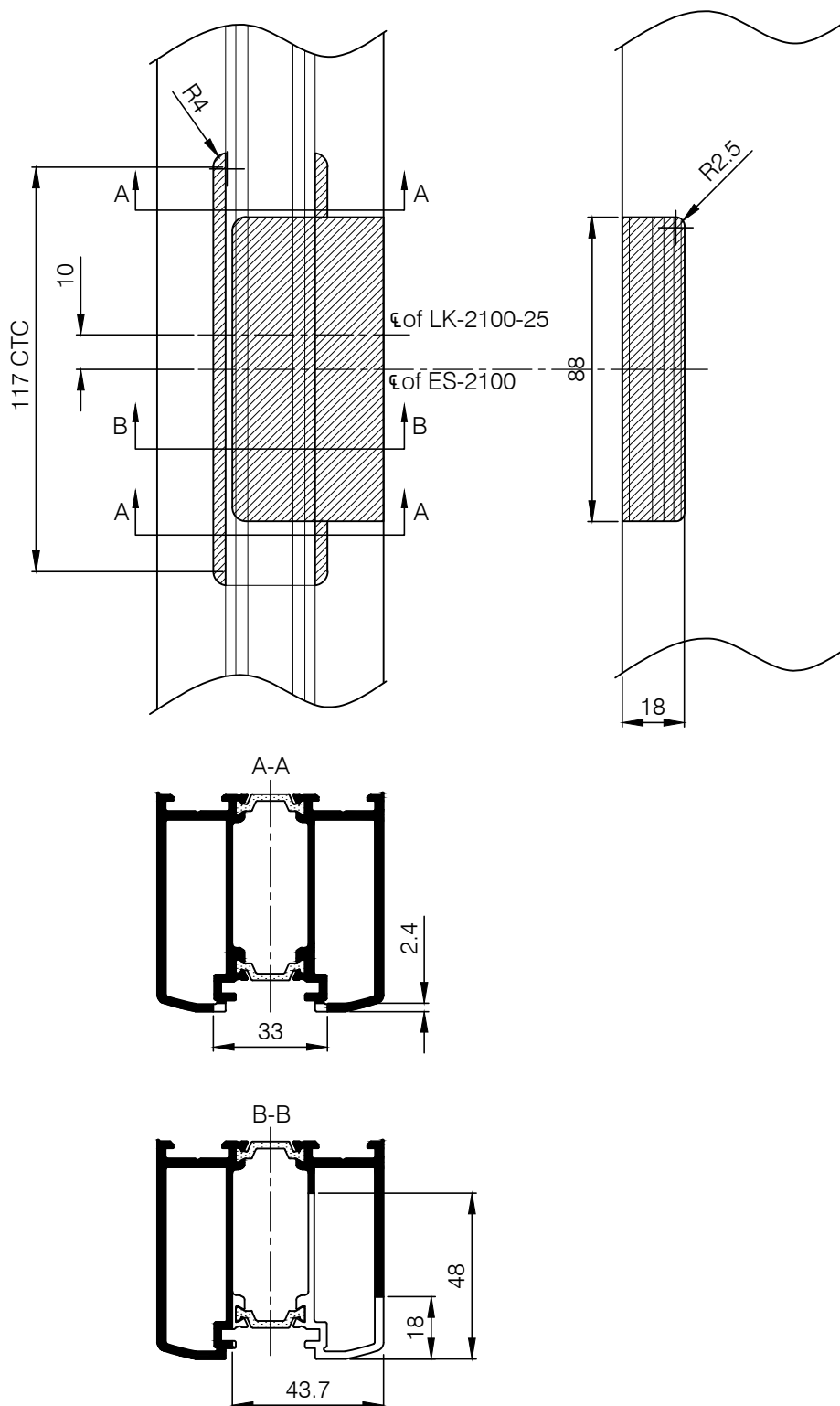






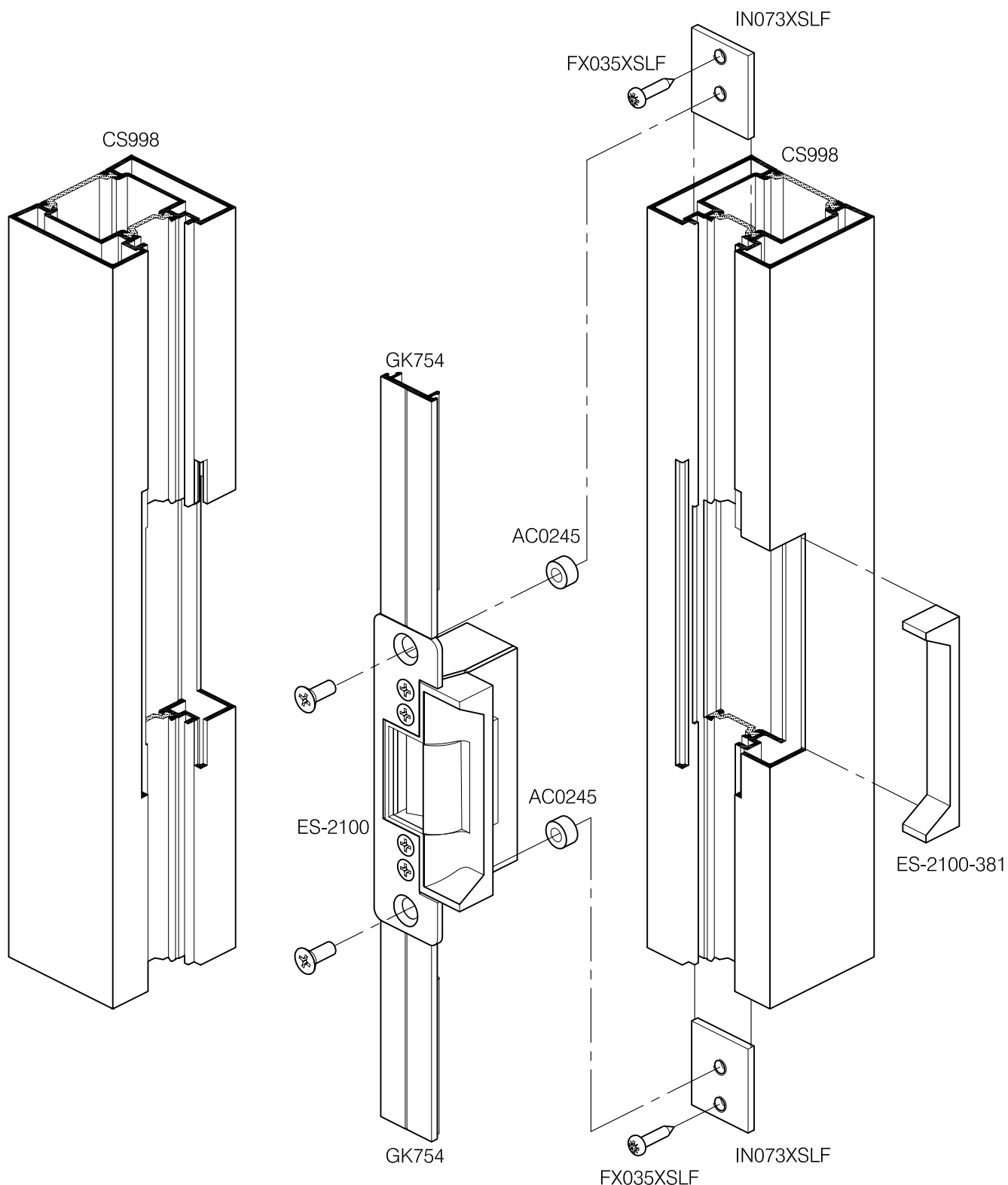
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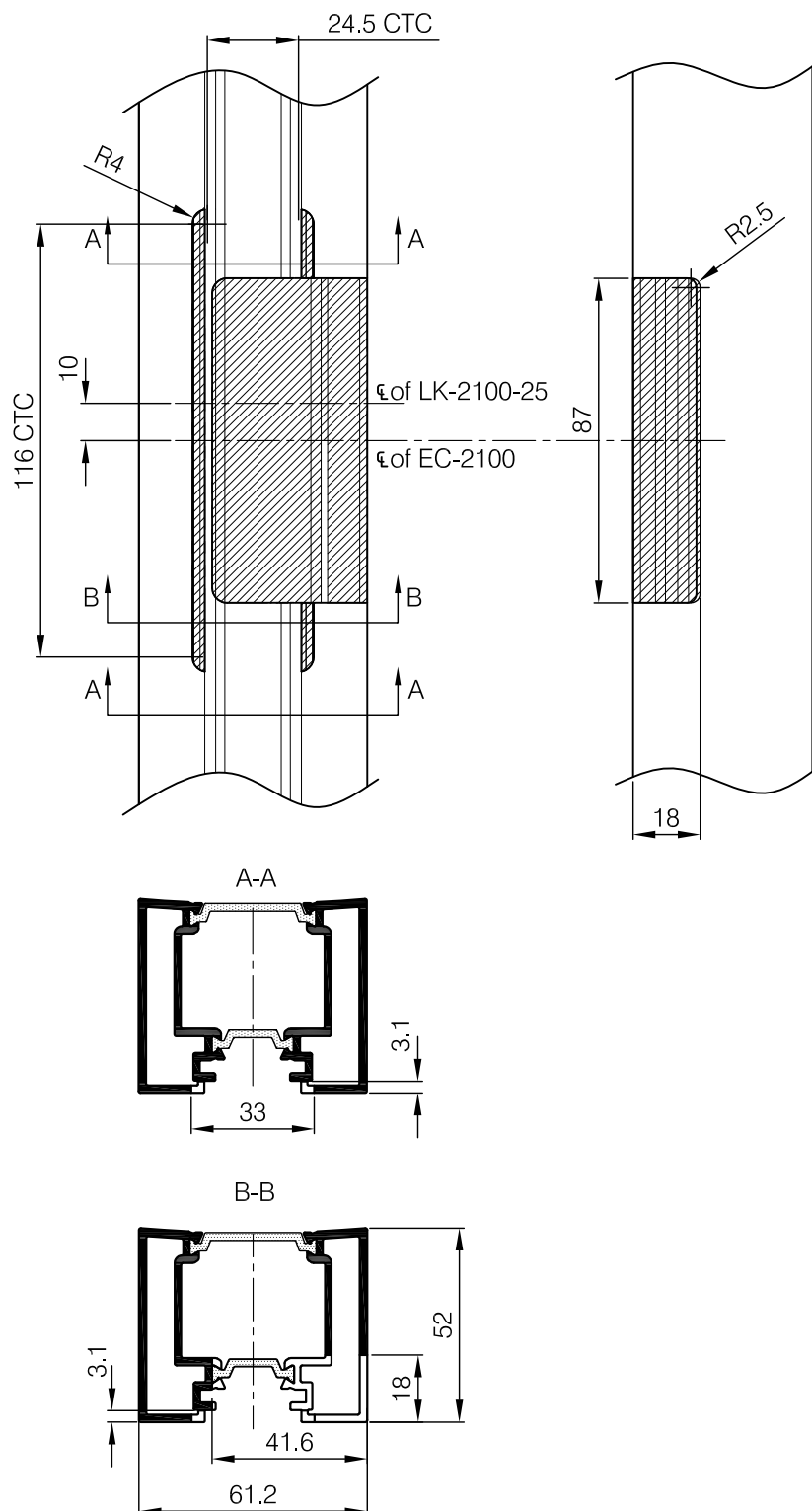




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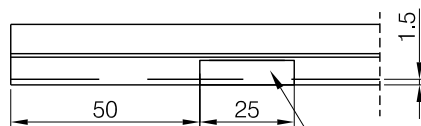
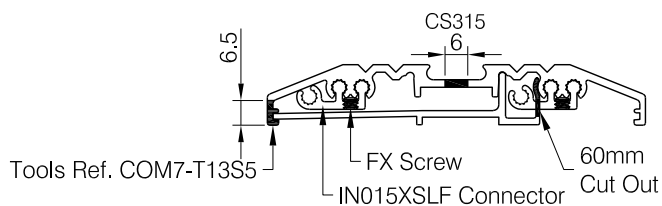
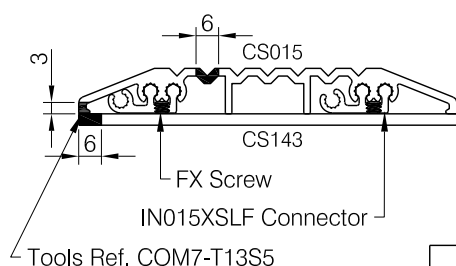
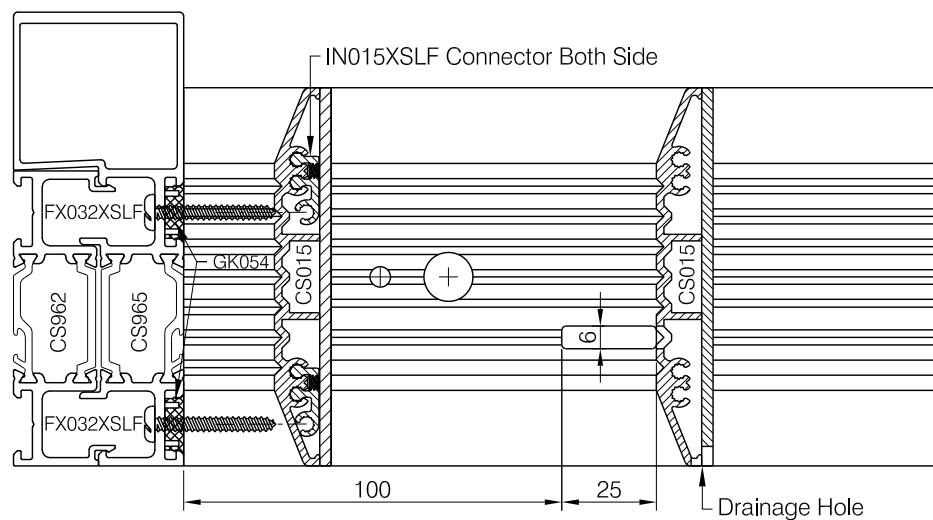
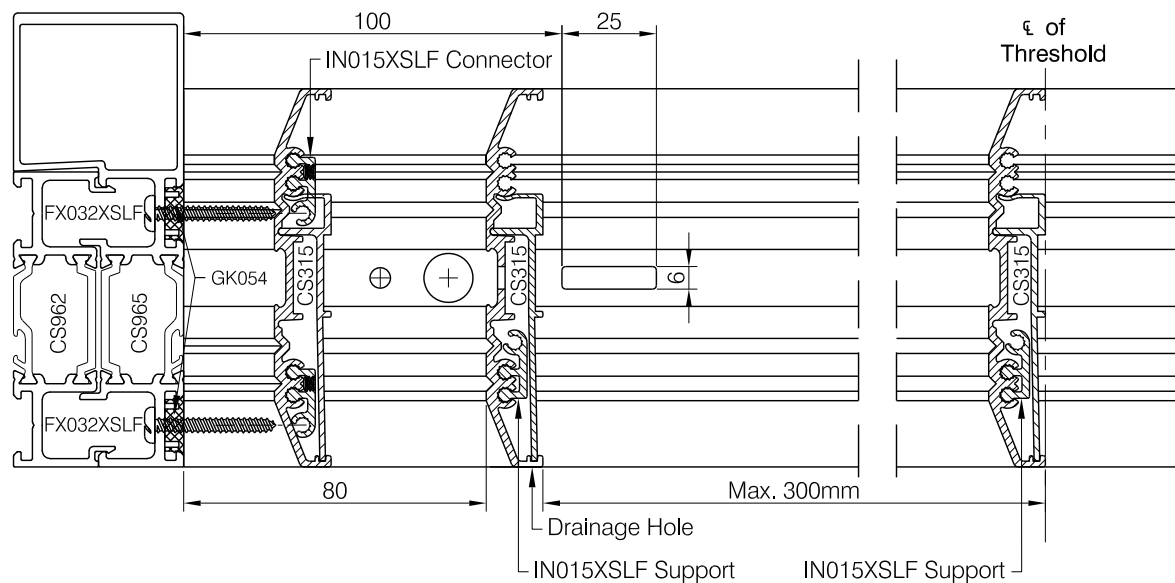


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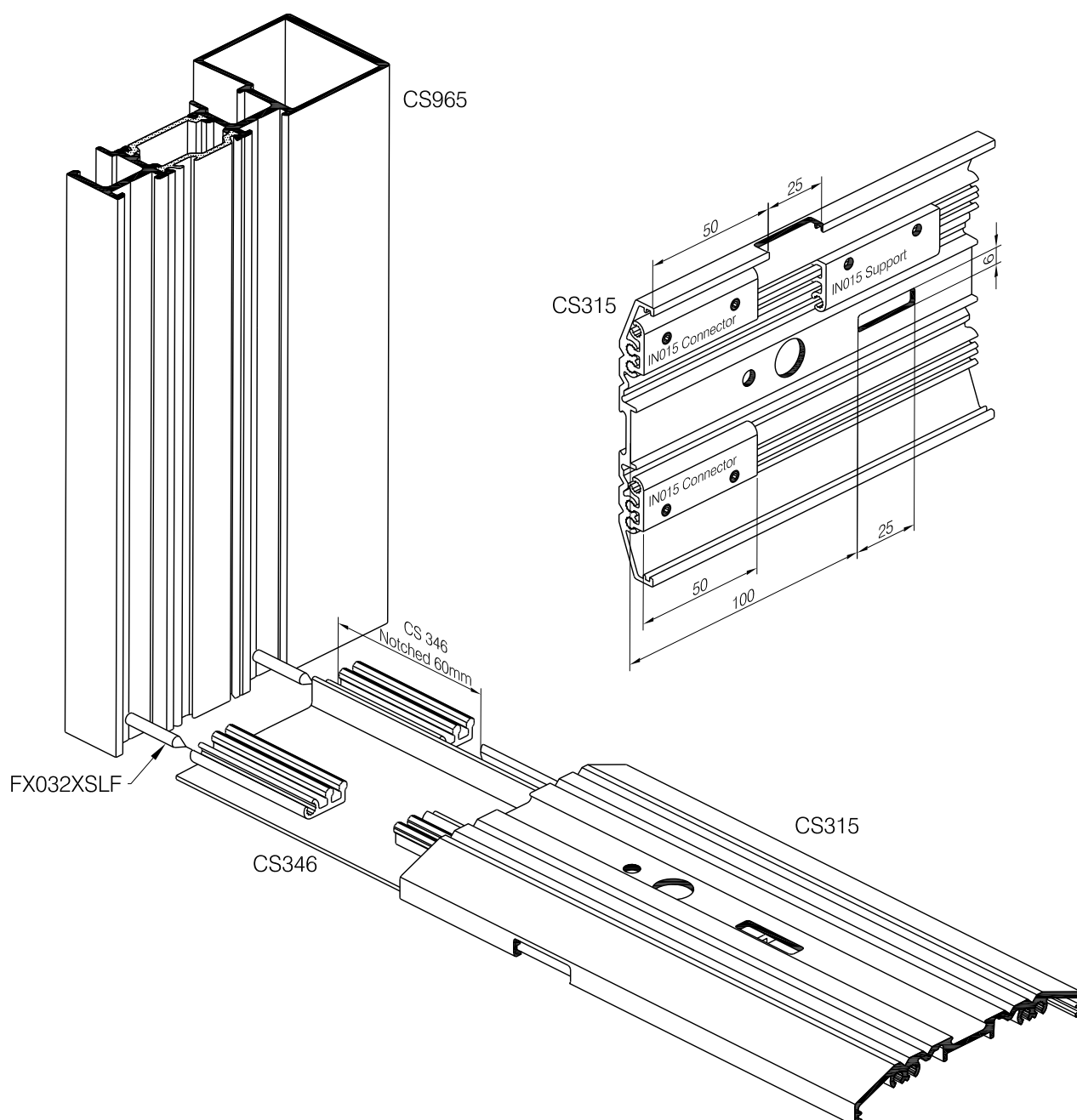
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Tel: 020-8685 9685 Fax: 020-8687 1142
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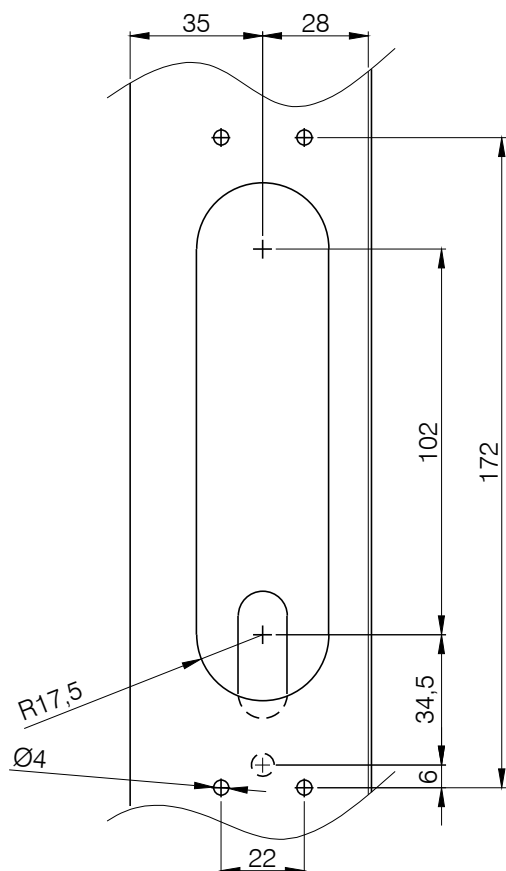
SCALE	NTS	© A4
DATE	14/03/2016	
DRAWN	KP/CAD	
DRG. No.	C7-Pi-CD 3.45	



25x6.5 Drainage Slot Set
at 50mm from Each End
Approx. 500mm CTRS

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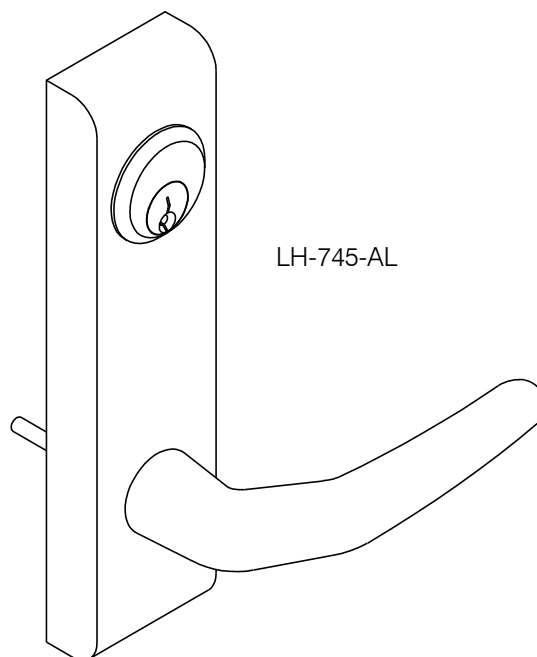
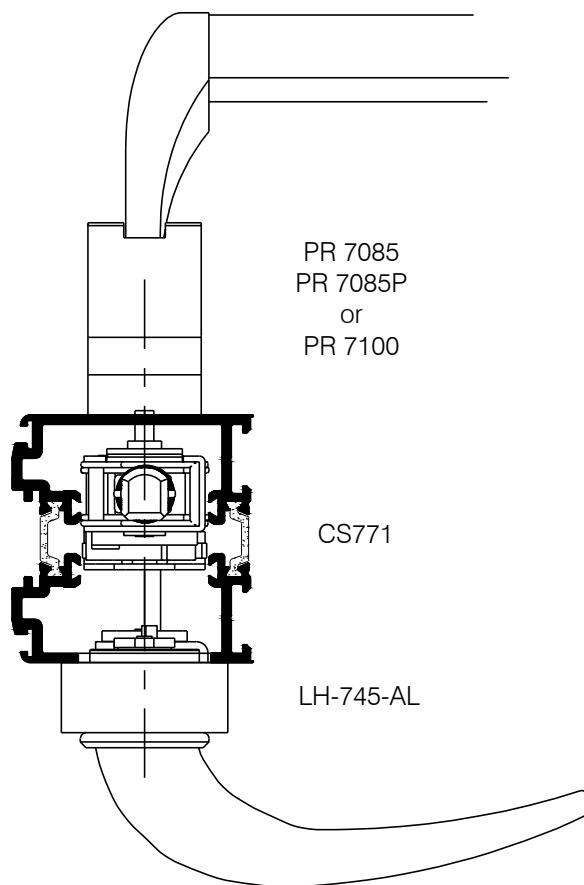


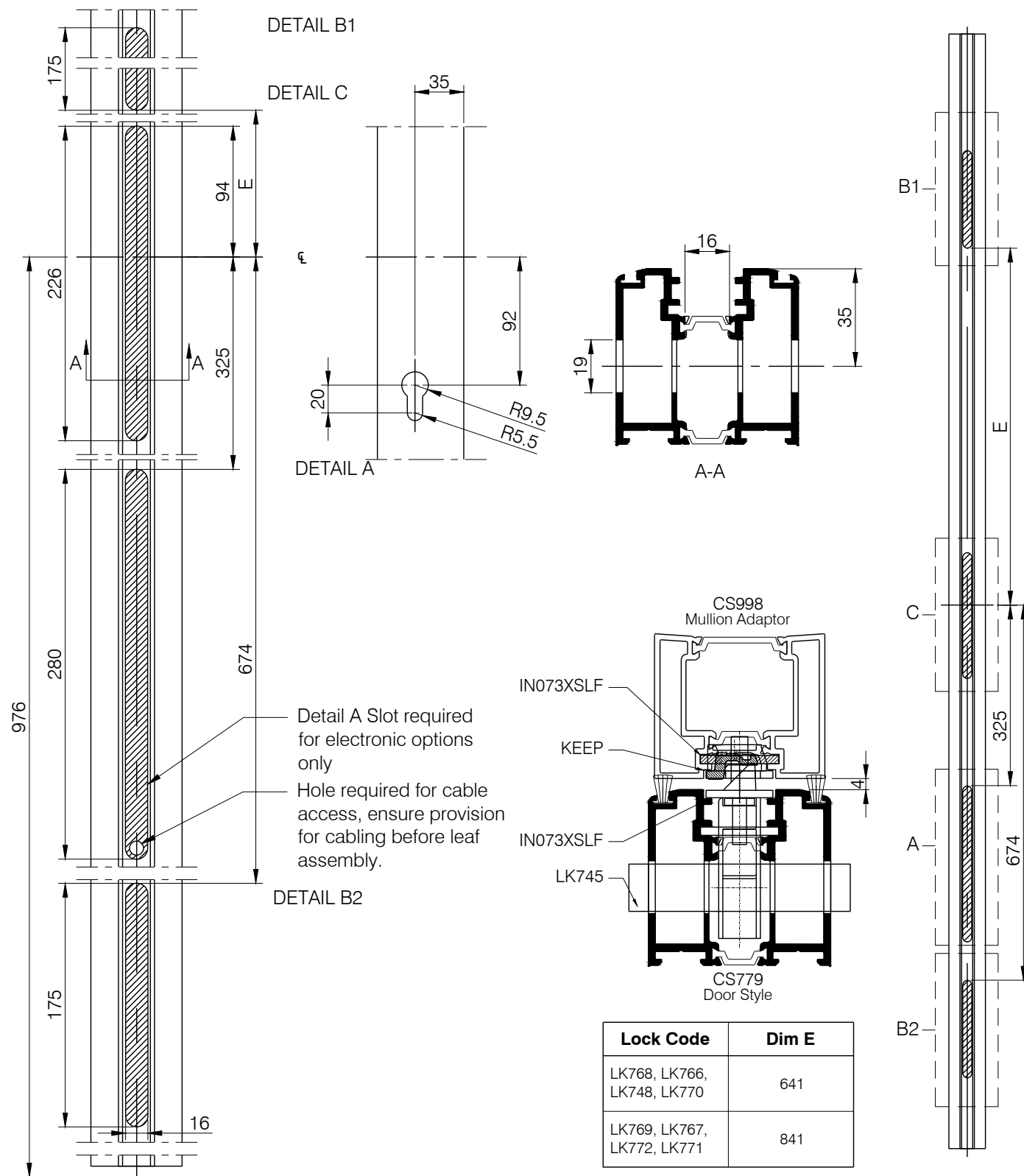
Cutting Prep to fit to
 outer face. Dashed lines
 indicate panic exit
 position (34.5 & 6)

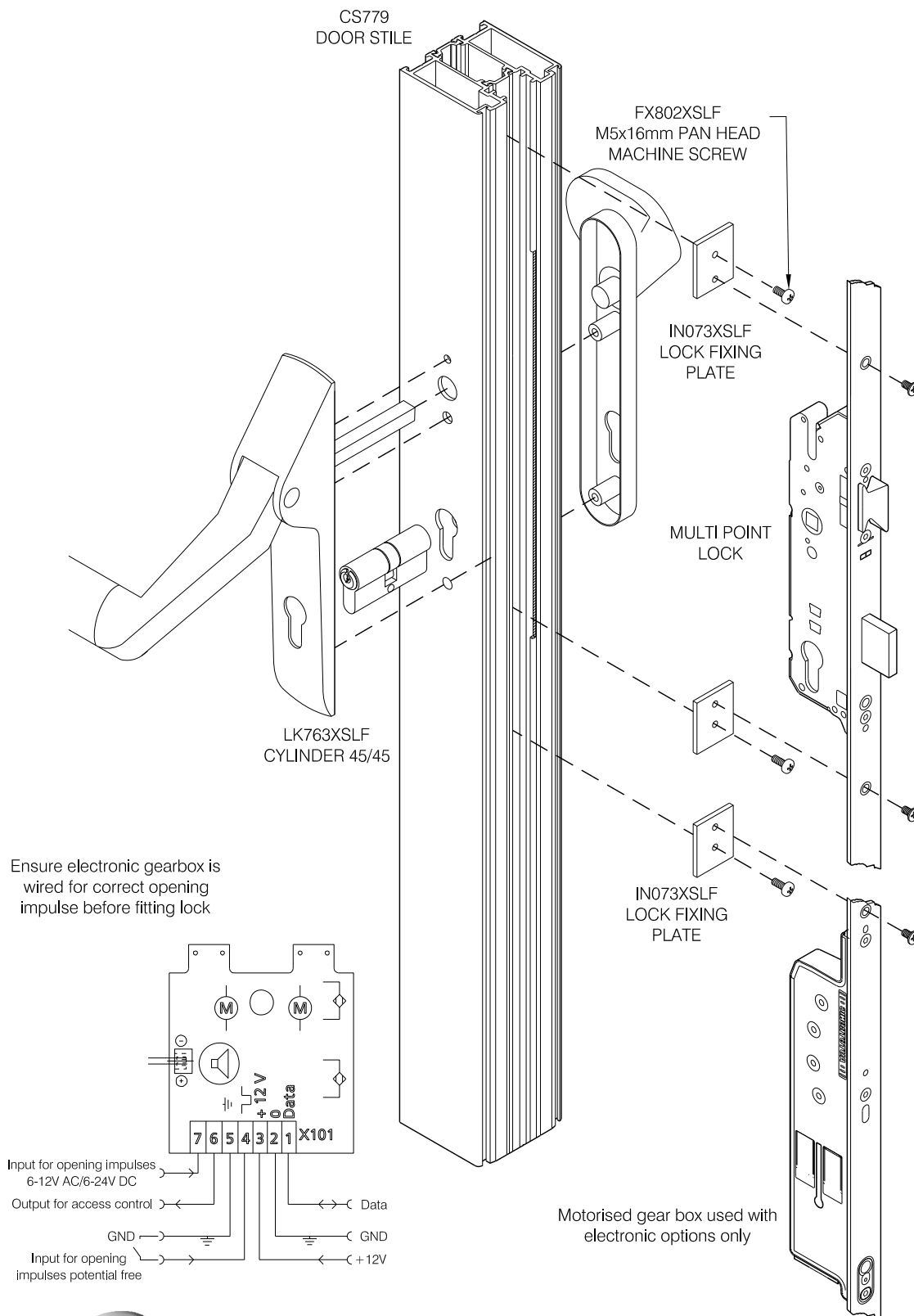
Key Controlled Outside sprung lever
 handle for use with PR7085, PR7085P,
 and PR7100 concealed rod Panic
 Devices.

Uses Axim screw in Mortice cylinder
 with MS type CAM .

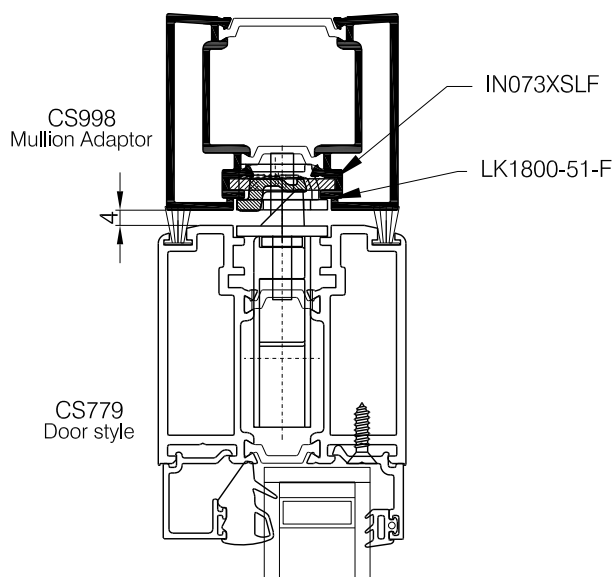
Non handed. (Field reversible).



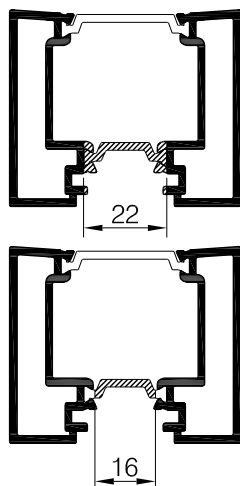




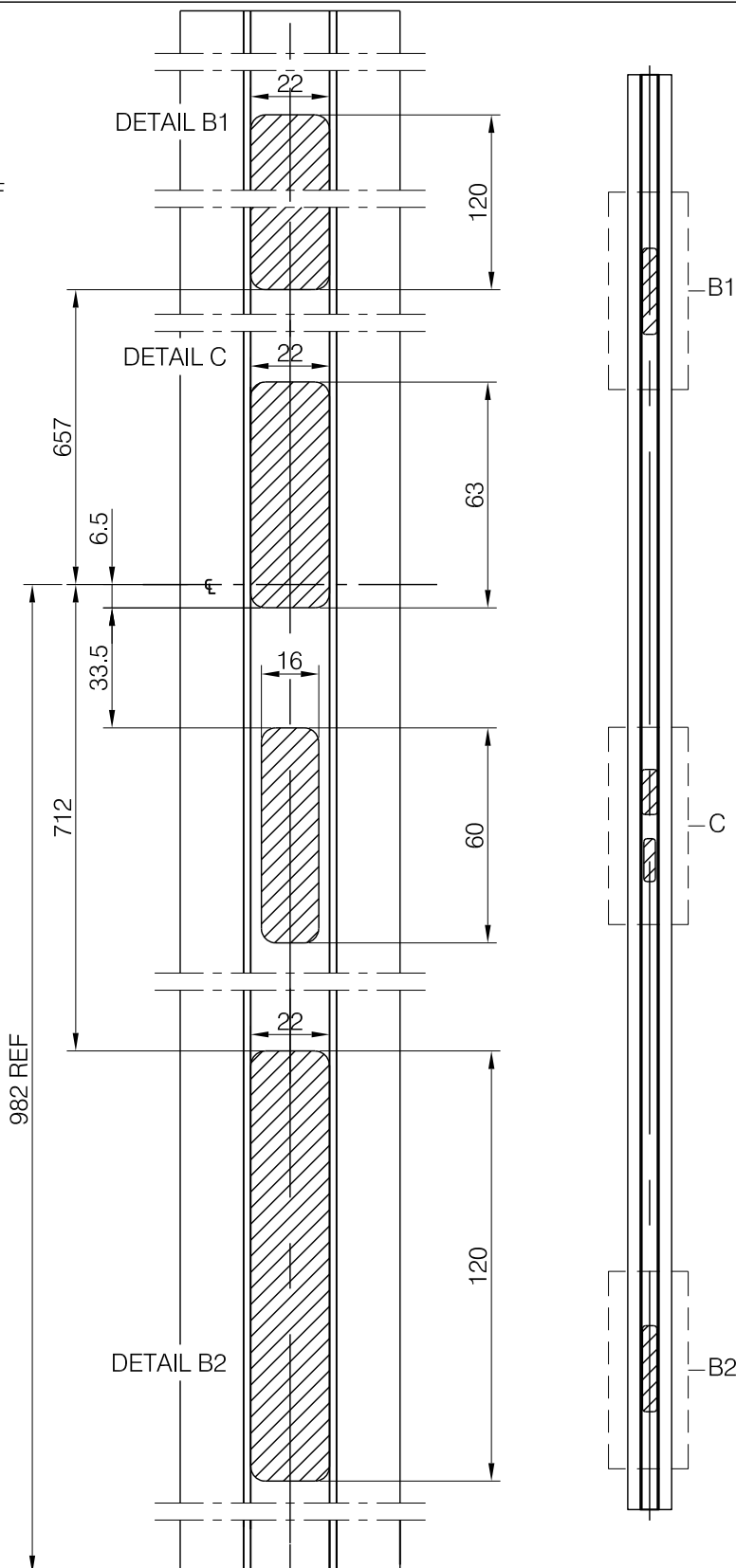
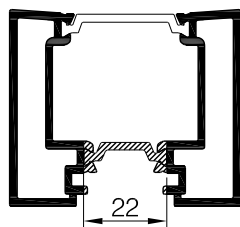
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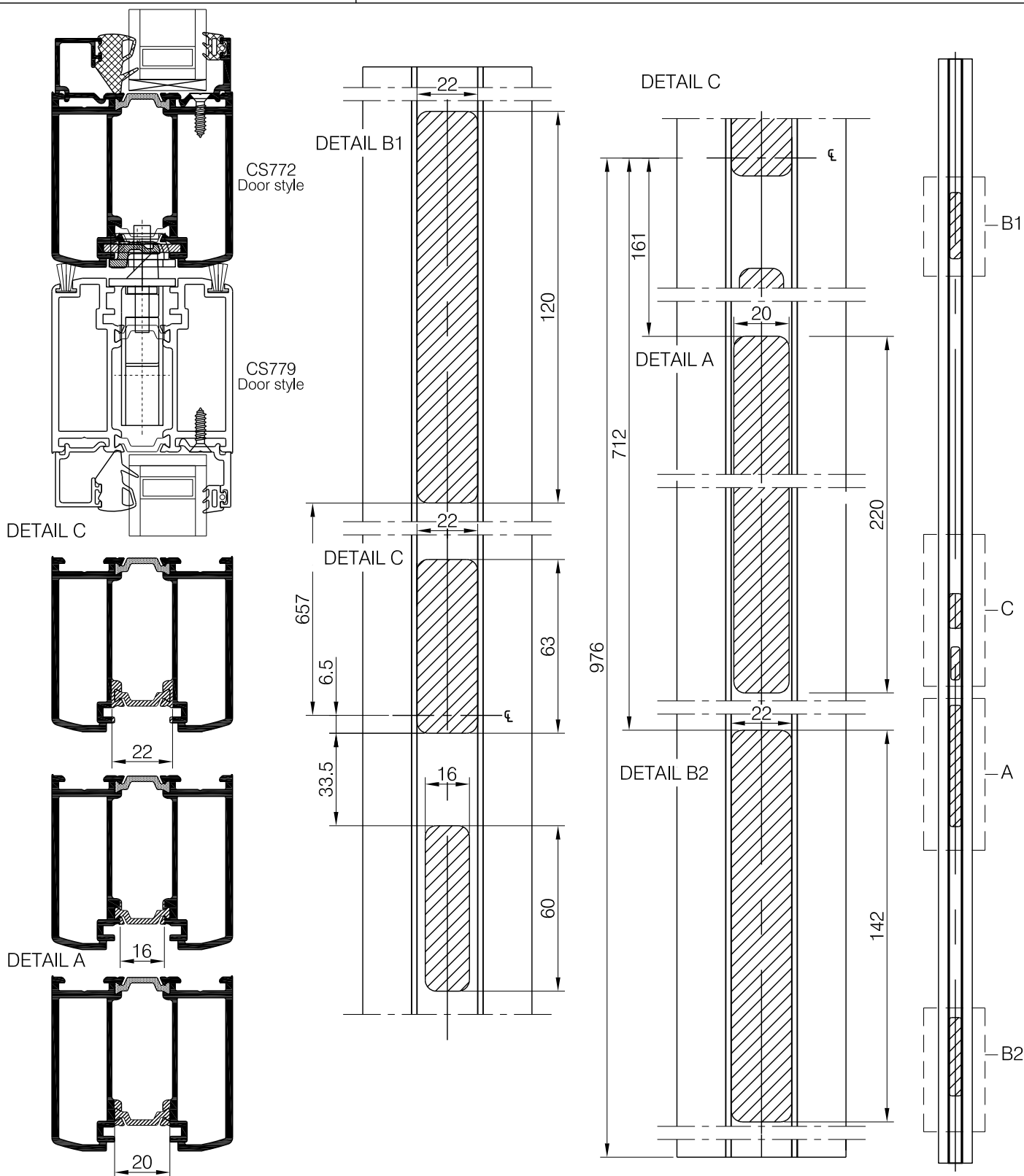


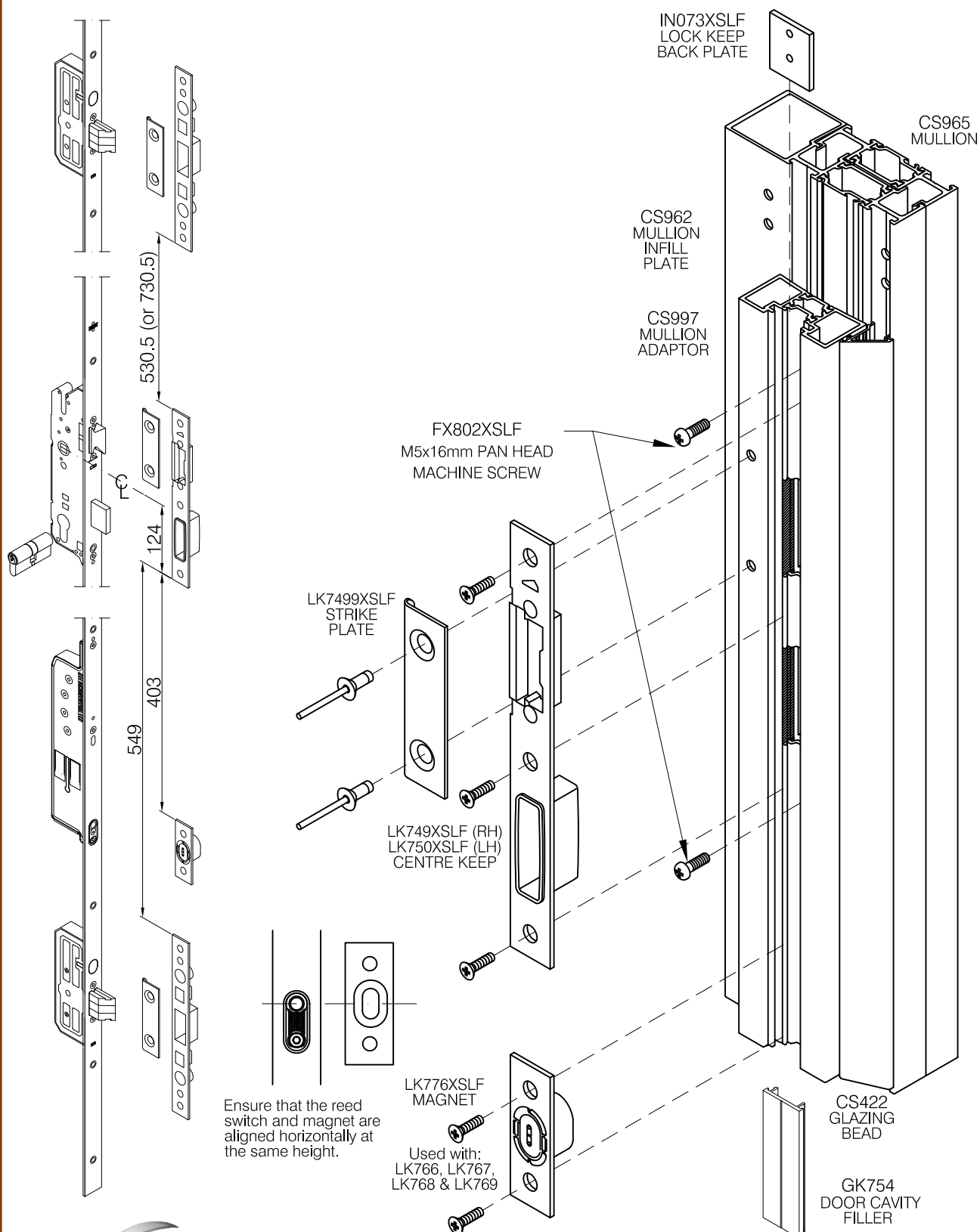
DETAIL C



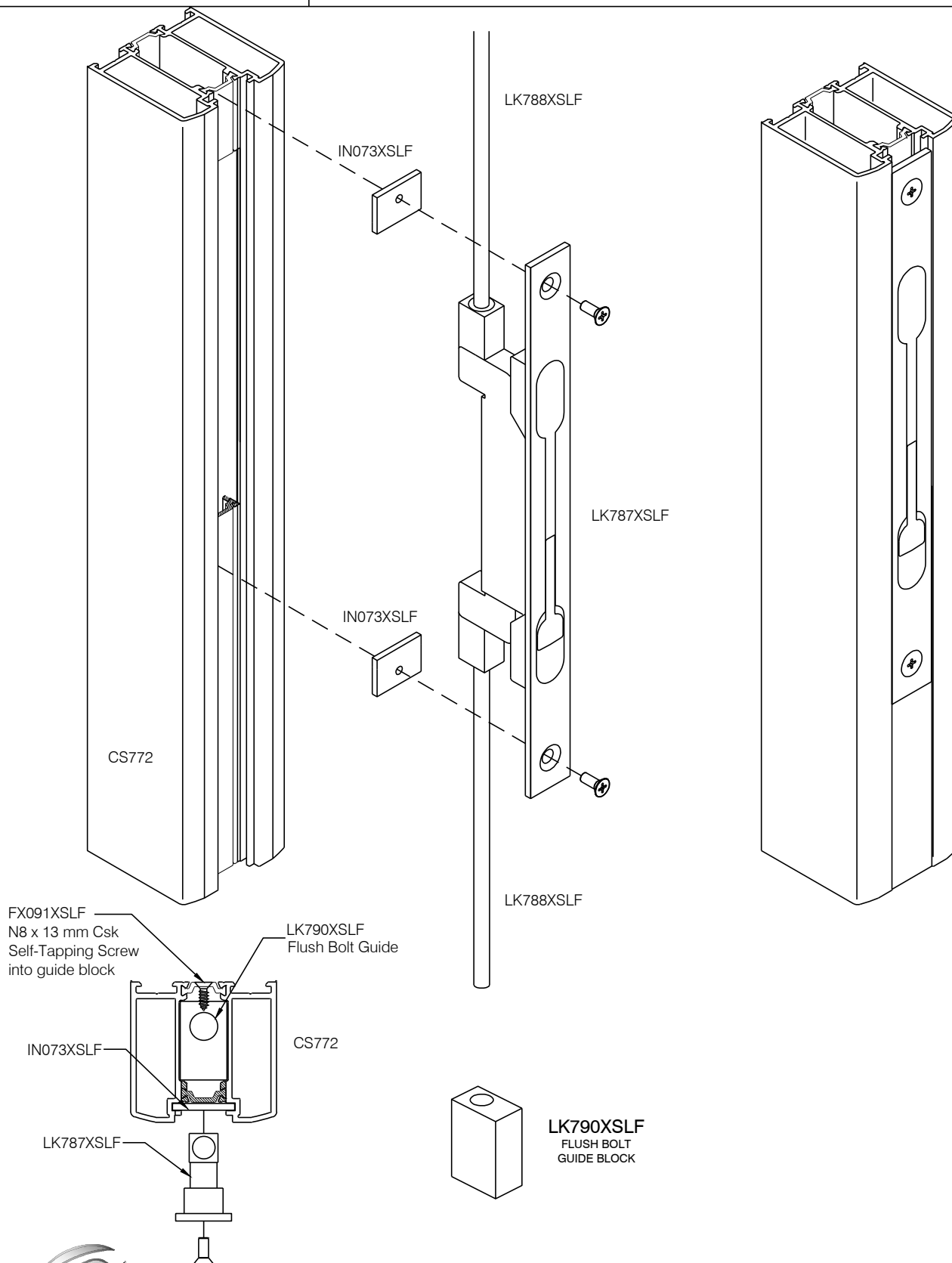
DETAIL B2







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CDE Troubleshooting

Type of fault	Signal	Possible cause of fault	Fault repair
The lock does not lock motor-driven.	Green and red LEDs flash alternately.	Deadbolt doesn't run smoothly.	Check the door installation and possibly adjust.
		The door is warped.	Check the door installation and possibly adjust.
		The keeps have been adjusted too tightly.	Readjust/loosen keeps
		The central deadbolt has been protracted.	Retract the central deadbolt.
The lock does not lock or unlock.	Green and red LEDs light up.	Data connection between the electronic drive unit and the control unit is interrupted.	Check if the spring-loaded tappet contacts are correctly poled (note +/-; refer to 4.2.1 and 4.2.5). Are the spring-loaded tappet contact pins meeting the flat surface contact when the door is closed over?
		One or more cables are damaged.	Check all cables and plug-and-socket connections.
		Tappet contacts and contact surfaces have no contact.	Lubricate the contact surfaces refer to 8.1).
The lock does not lock.		Magnets in the keeps are out of range.	Readjust the keepers and/or door. Check the clearance.
The lock does not lock motor-driven.	No LED lights up.	Power and data connection between the electronic drive unit and the control unit has short circuited.	Check if the spring-loaded tappet contacts are correctly poled (note +/-; refer to 4.2.1 and 4.2.5). Connect the cable properly to the green multi-functional jack (refer to 6.2).
The door cannot be opened by the radio key or by an external opening impulse.	Red LED lights up.	The radio key is not tuned in.	Tune in the radio key.
		The distance to the receiver is too large.	Hold the radio key closer to the door.
		The batteries in the radio key are too weak.	Hold the radio key closer to the door and replace the battery.
Retracting time is too short for the motorised opening of the latching deadbolts.	Green LED lights up in the closed door leaf setting.	The magnetic contact for the drive unit is missing or out of alignment.	Install the magnetic contact on the frame and/or insert into the one-piece keep.
Door was opened.	Green and red LEDs light up	This is not a fault. A signal is being transmitted to indicate that the door has been open for more than 20 seconds.	Close the door. The lock will lock automatically.
The latch remains retracted.		The connecting rods are blocked by faceplate screws.	Insert the screws perpendicular to the faceplate.
		External control signal is applied to terminals 9-10 for too long.	Reduce the impulse duration to ≤ 1 second.



comar 7P.i

TITLE
**TROUBLESHOOTING
COMAR 7Pi COMMERCIAL DOOR**

SHEET No.
3.55.2

SUB TITLE
INTENTIONALLY BLANK

INTENTIONALLY
BLANK



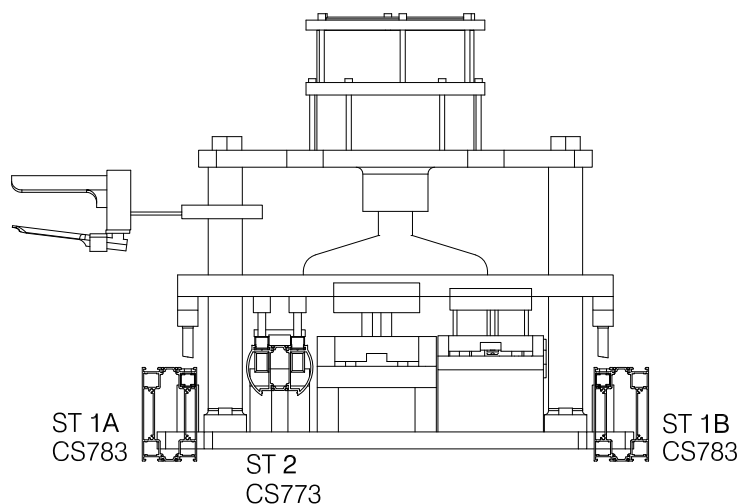
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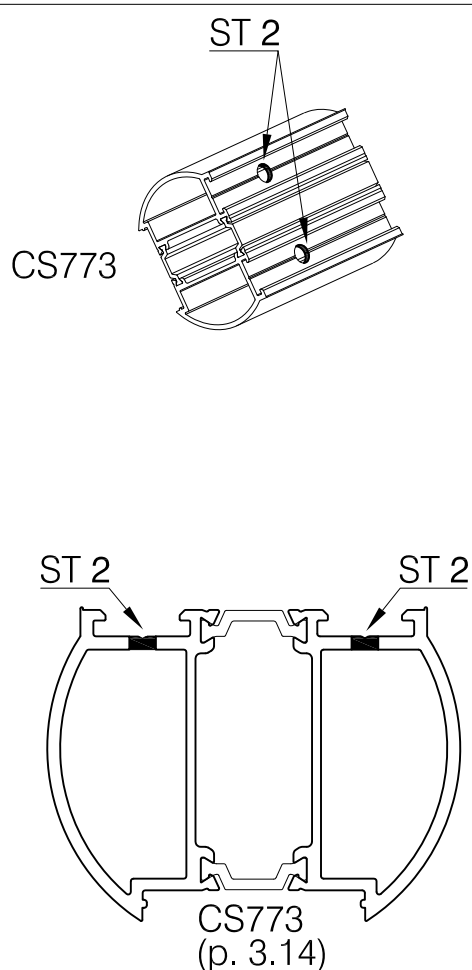
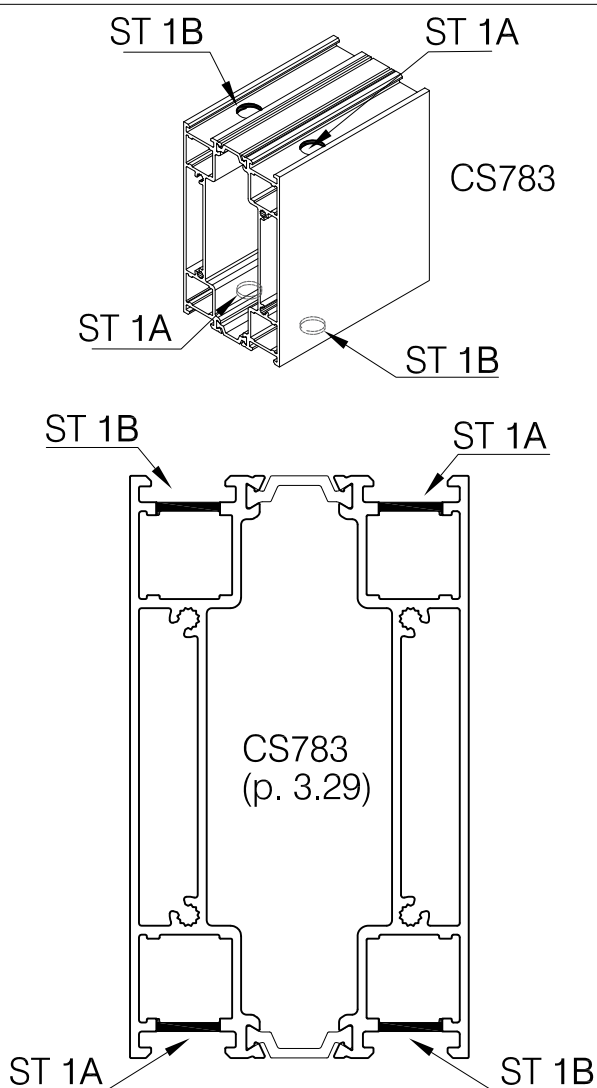
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SCALE	NTS	© A4
DATE	05/10/2020	
DRAWN	NRA	
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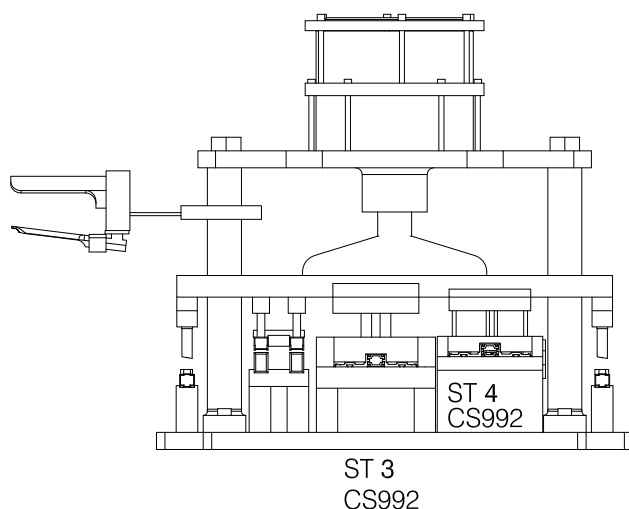


Tooling Ref:
 COM7Pi-CD1

Note: Please refer to the
 appropriate drawing for
 further details.

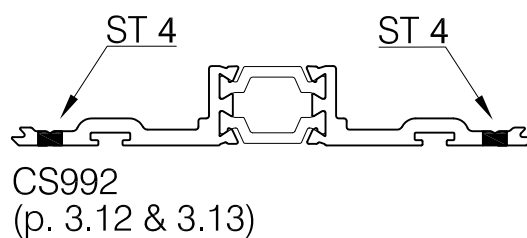
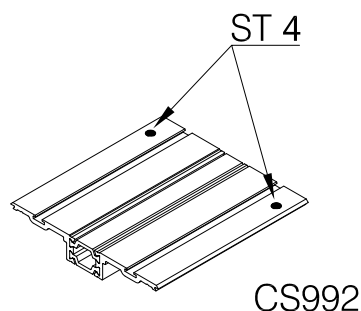
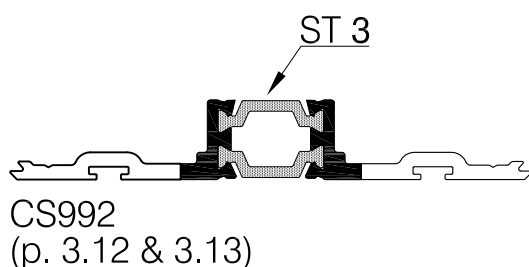
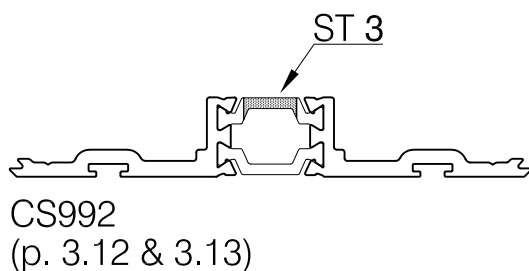
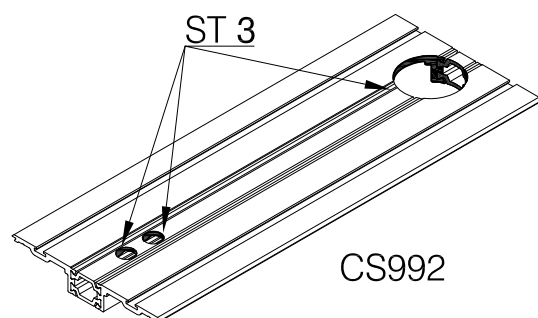


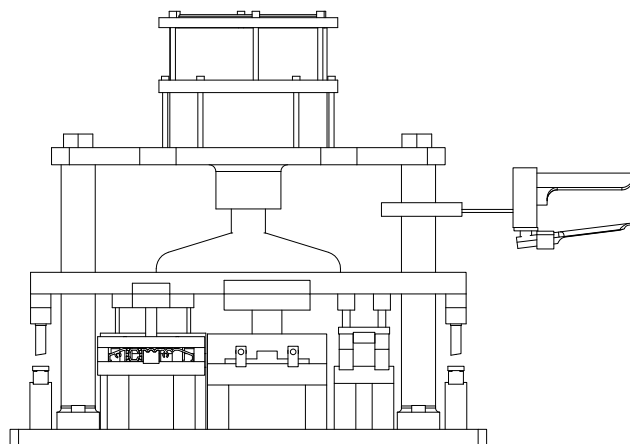
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further details.

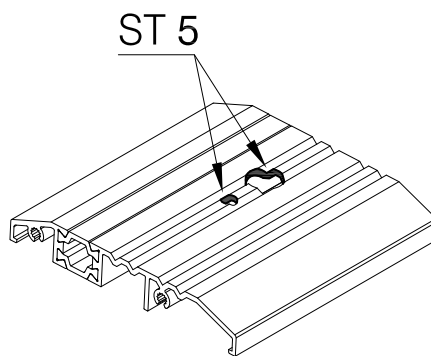




ST 5
 CS915

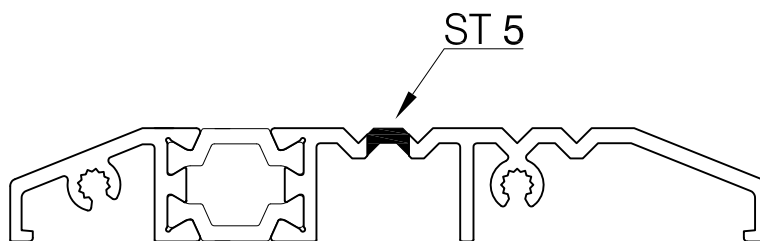
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Note: Please refer to the
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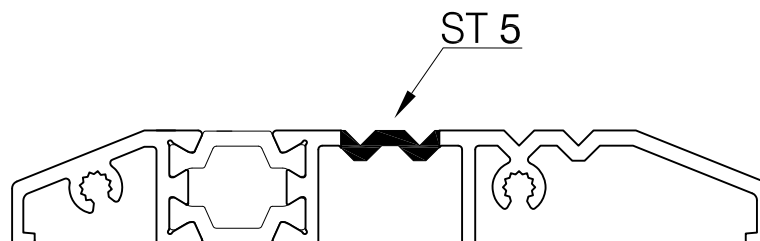


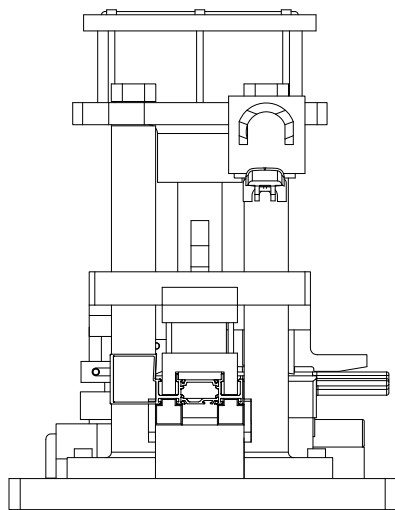
CS915

CS915
 (p. 3.18)



CS915
 (p. 3.18)

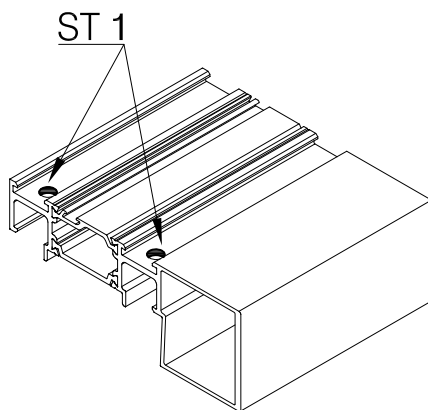




ST 1
CS965

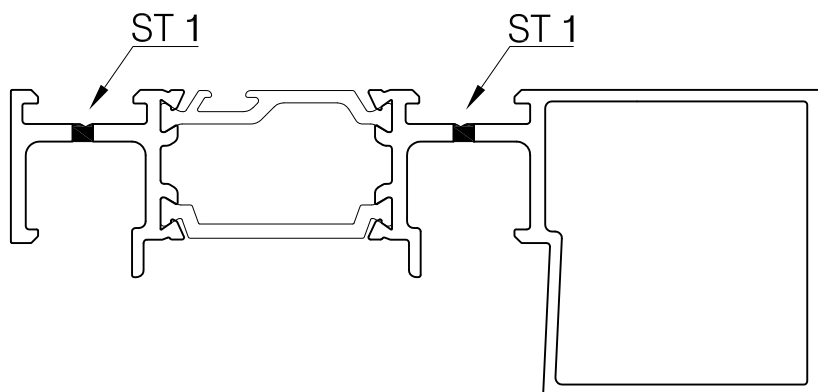
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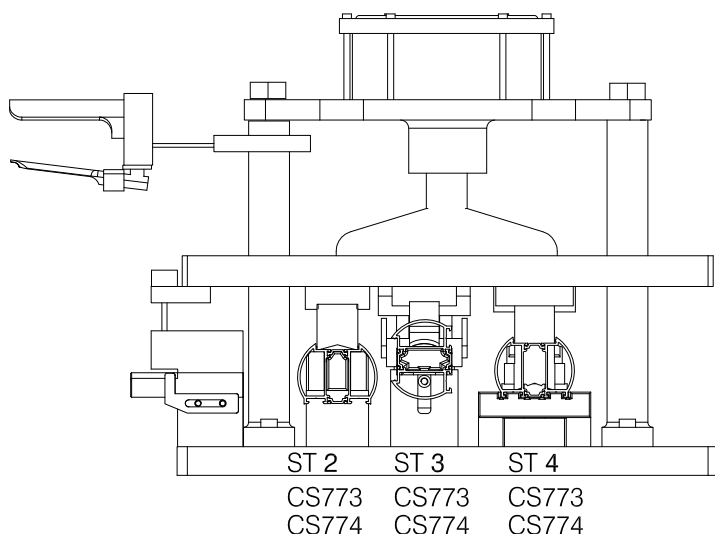
Note: Please refer to the
appropriate drawing for
further details.



CS965

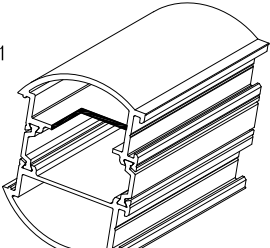
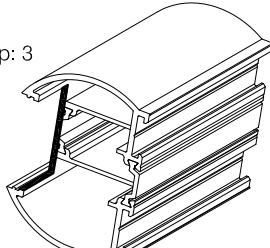
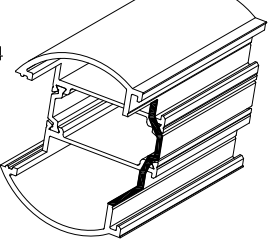
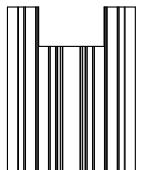
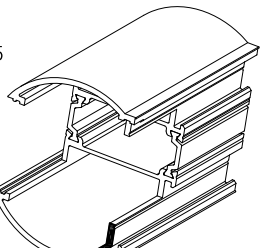
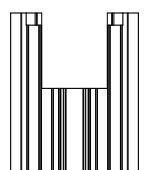
CS965
(p. 3.18)

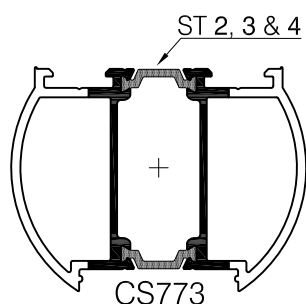




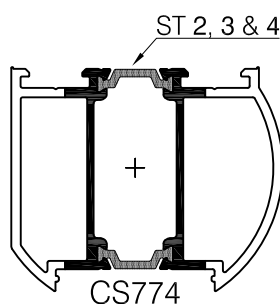
Tooling Ref:
COM7Pi-CD2

Note: Please refer to the appropriate drawing for further details.

Punch 1 & 2 ST3	CS773	Punch 3 ST2	CS773	Punch 4 ST4	CS773
Step: 1 	Step: 3 	Step: 4 		Punch 5 ST4 Step: 5 	This Preparation is for the bottom only. 

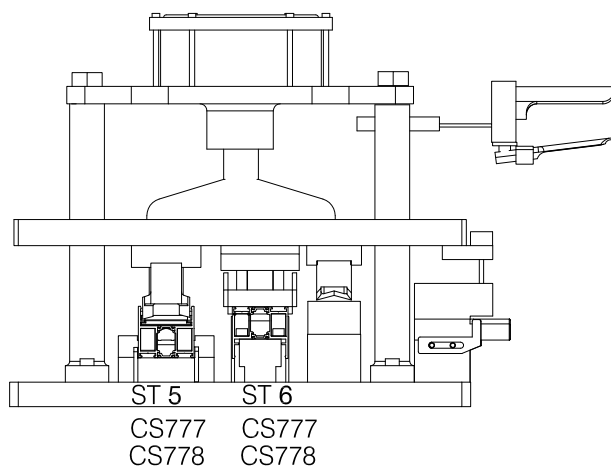


(p. 3.14)
(p. 3.27)
(p. 3.29)



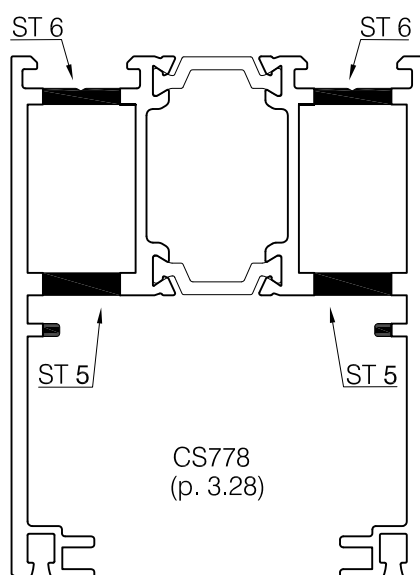
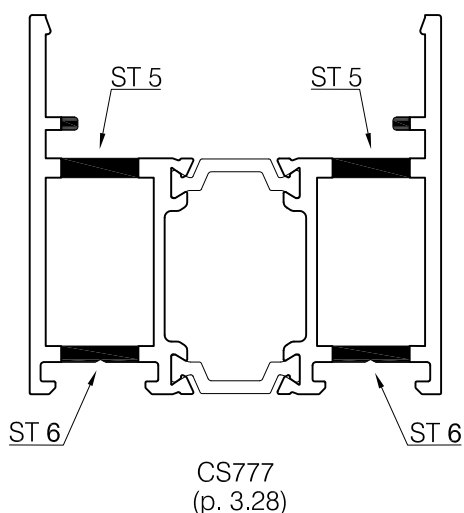
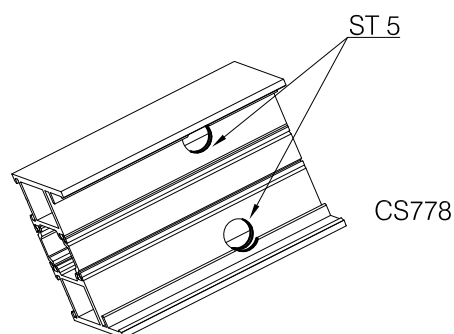
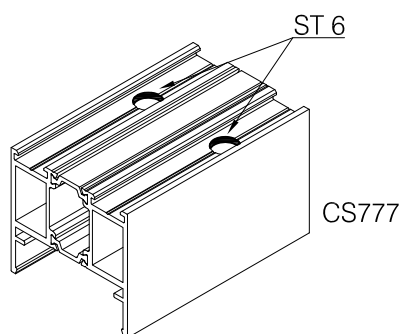
Note: A depth of 46mm will be achieved by two punching operations.





Tooling Ref:
COM7Pi-CD2

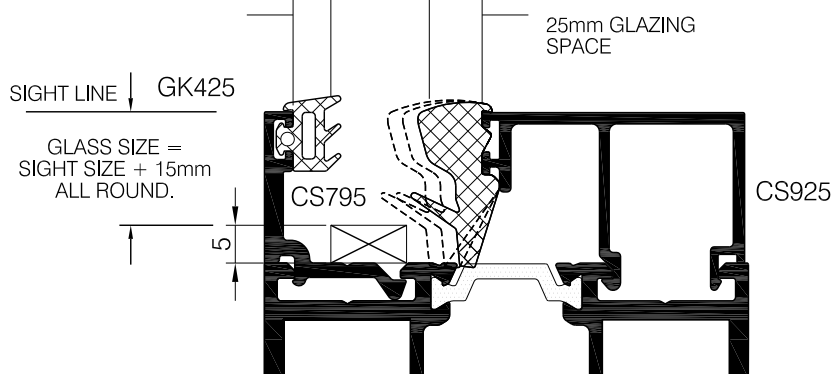
Note: Please refer to the appropriate drawing for further details.



CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	14	13		5 - 7	GK906
GK425	5	13	12	11	7 - 9	GK908
GK425	5	11	10	9	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



DOUBLE GLAZED DOOR SYSTEM
WITH SQUARE BEAD.

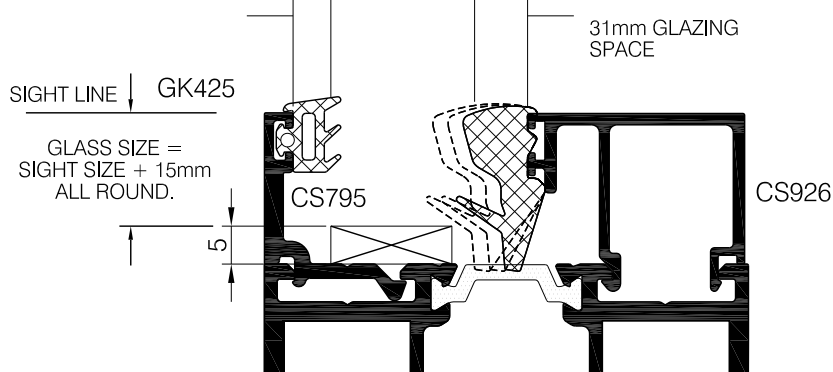
ORDER OF ASSEMBLY:-

1. BEAD CS795.
2. CAPTIVE GASKET.
3. GLASS OR PANEL.
4. CS925-926 SQUARE BEAD.
5. INSERT WEDGE GASKET.

CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	20	19		5 - 7	GK906
GK425	5	19	18	17	7 - 9	GK908
GK425	5	17	16	15	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



TO ENSURE SATISFACTORY
PRODUCT PERFORMANCE,
BOTTOM CORNERS AND
INTERNAL GASKET CORNER
JOINTS SHOULD BE
SILICONE SEALED.

IMPORTANT NOTE

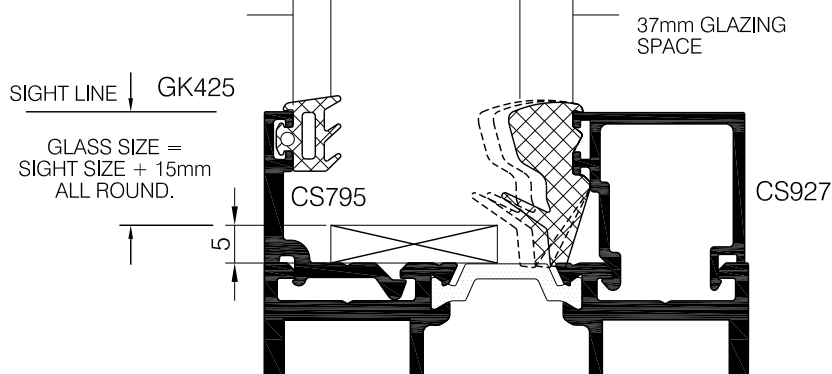
DUE TO PRODUCTION TOLERANCES IN
ALUMINIUM, PAINTING/ANODISING,
GLASS AND GASKETS, CHECK AND
TRIAL ABOVE FORMULAE BEFORE
PROCEEDING WITH BULK PRODUCTION.



CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	26	25		5 - 7	GK906
GK425	5	25	24	23	7 - 9	GK908
GK425	5	23	22	21	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



DOUBLE GLAZED DOOR SYSTEM
WITH SQUARE BEAD.

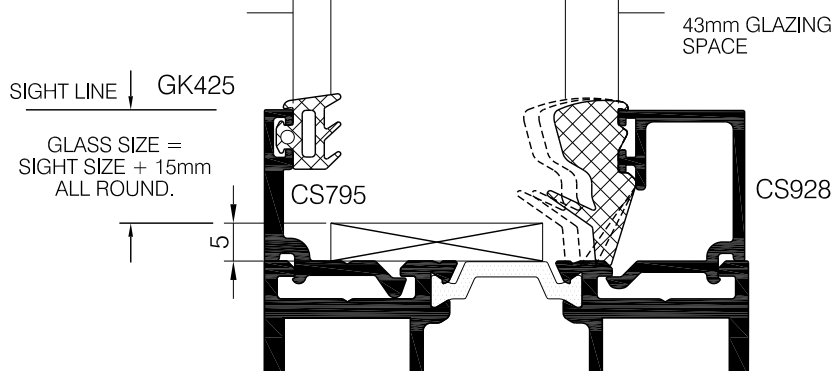
ORDER OF ASSEMBLY:-

1. BEAD CS795.
2. CAPTIVE GASKET.
3. GLASS OR PANEL.
4. CS927-928 SQUARE BEAD.
5. INSERT WEDGE GASKET.

CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	32	31		5 - 7	GK906
GK425	5	31	30	29	7 - 9	GK908
GK425	5	29	28	27	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



TO ENSURE SATISFACTORY
PRODUCT PERFORMANCE,
BOTTOM CORNERS AND
INTERNAL GASKET CORNER
JOINTS SHOULD BE
SILICONE SEALED.

IMPORTANT NOTE

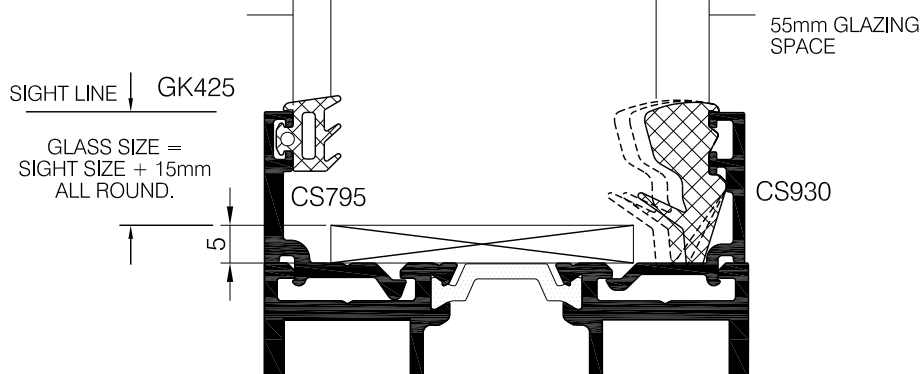
DUE TO PRODUCTION TOLERANCES IN
ALUMINIUM, PAINTING/ANODISING,
GLASS AND GASKETS, CHECK AND
TRIAL ABOVE FORMULAE BEFORE
PROCEEDING WITH BULK PRODUCTION.



CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	45	44	43	5 - 7	GK906
GK425	5	43	42	41	7 - 9	GK908
GK425	5	41	40	39	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



DOUBLE GLAZED DOOR SYSTEM
WITH SQUARE BEAD.

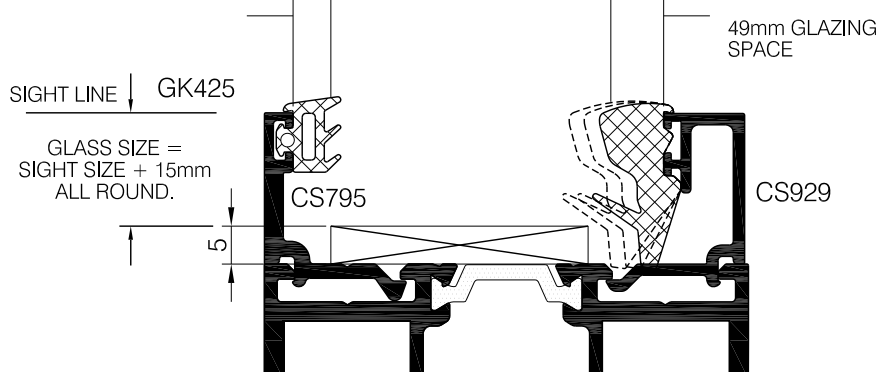
ORDER OF ASSEMBLY:-

1. BEAD CS795.
2. CAPTIVE GASKET.
3. GLASS OR PANEL.
4. CS929-930 SQUARE BEAD.
5. INSERT WEDGE GASKET.

CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK425	5	38	37		5 - 7	GK906
GK425	5	37	36	35	7 - 9	GK908
GK425	5	35	34	33	9 - 11	GK910
		MIN M/M				

OUTSIDE

INSIDE



TO ENSURE SATISFACTORY
PRODUCT PERFORMANCE,
BOTTOM CORNERS AND
INTERNAL GASKET CORNER
JOINTS SHOULD BE
SILICONE SEALED.

IMPORTANT NOTE

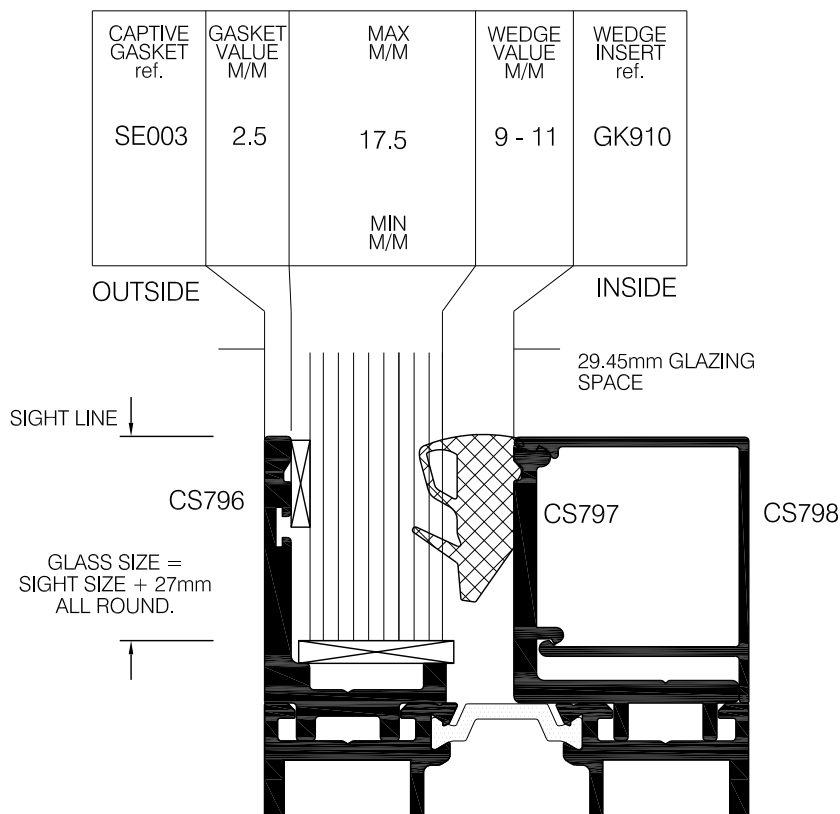
DUE TO PRODUCTION TOLERANCES IN
ALUMINIUM, PAINTING/ANODISING,
GLASS AND GASKETS, CHECK AND
TRIAL ABOVE FORMULAE BEFORE
PROCEEDING WITH BULK PRODUCTION.



SECURELY GLAZED DOOR SYSTEM
WITH SQUARE BEAD.

ORDER OF ASSEMBLY:-

1. FIX & SECURE CS796 OUTSIDE BEAD USING PRESCRIBED SCREW.
2. FIT SECURITY TAPE SE003 TO CS796.
3. FIT GLASS & PRESS AGAINST PROFILE.
4. FIT CS797 & PRESS HARD & SECURE USING PRESCRIBED SCREWS.
5. INSERT CAPTIVE GASKET.
6. FIT CS798 SECURITY BEAD COVER IN PLACE.



TO ENSURE SATISFACTORY
PRODUCT PERFORMANCE,
BOTTOM CORNERS AND
INTERNAL GASKET CORNER
JOINTS SHOULD BE
SILICONE SEALED.

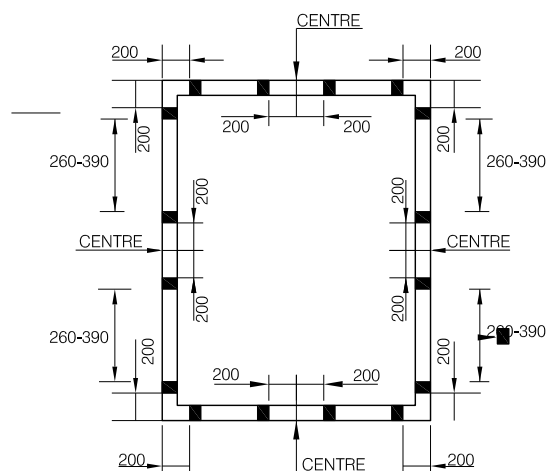
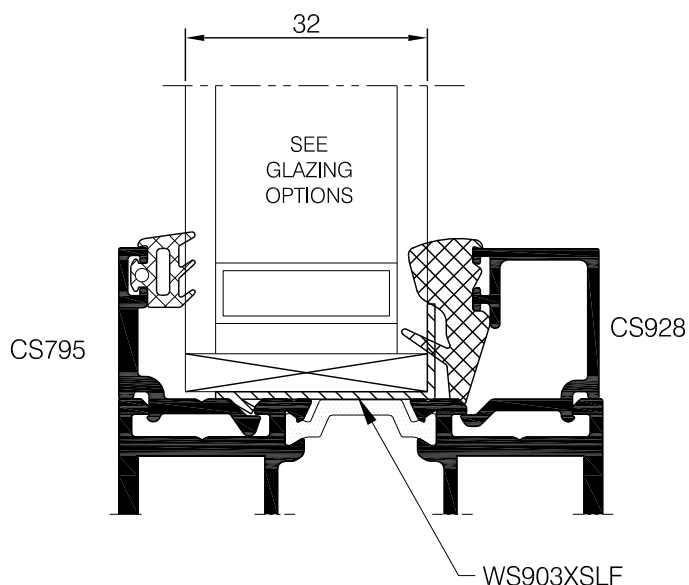
IMPORTANT NOTE

DUE TO PRODUCTION TOLERANCES IN
ALUMINIUM, PAINTING/ANODISING,
GLASS AND GASKETS, CHECK AND
TRIAL ABOVE FORMULAE BEFORE
PROCEEDING WITH BULK PRODUCTION.



IMPORTANT NOTE

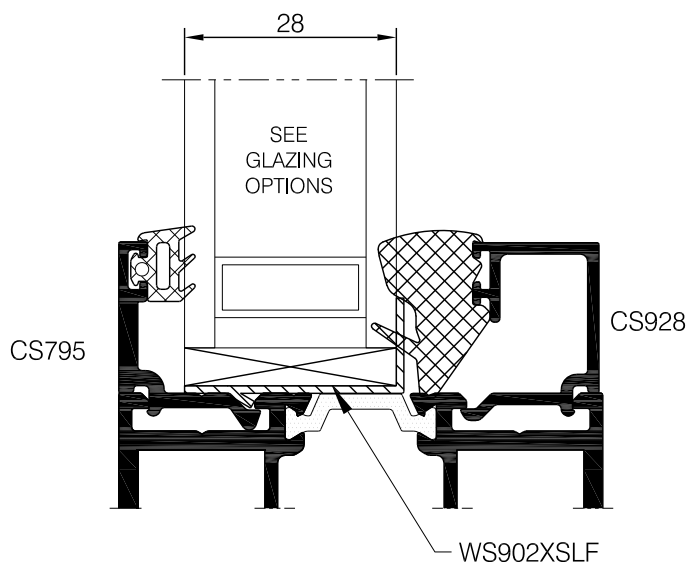
DUE TO PRODUCTION TOLERANCES IN ALUMINIUM, PAINTING/ANODISING, GLASS AND GASKETS, CHECK AND TRIAL ABOVE FORMULAE BEFORE PROCEEDING WITH BULK PRODUCTION.



TO ENSURE SATISFACTORY PRODUCT PERFORMANCE, BOTTOM CORNERS AND INTERNAL GASKET CORNER JOINTS SHOULD BE SILICONE SEALED.

SECURITY GLAZING CLIP INSERTION.**ORDER OF ASSEMBLY:-**

1. ENSURE YOU HAVE THE CORRECT CLIP FOR THE GLASS THICKNESS AND BEAD ARRANGEMENT.
2. HANDLE THE CLIPS WITH CARE AS THEY MAY HAVE SHARP EDGES.
3. SECURE EXTERNAL BEADS-100MM CENTRES AND FIT CORRECT CAPTIVE GASKET. SEAL THE CORNERS.
4. AFFIX CLIPS IN BOTTOM RAIL WITH GLUE. SECURE GLAZING PACKERS WITH GLUE SECURITY CLIPS SHOULD BE 200MM FROM CORNERS AND MAXIMUM 390MM APART CENTRE TO CENTRE.
5. STAND GLASS ONTO THE CLIP AND GLASS PACKER.
6. USE SHORT PIECES OF GLAZING BEAD TO TEMPORARILY SECURE THE GLASS UNIT.
7. TOE AND HEEL THE UNIT, ENSURING THE DOOR CAN OPERATE CORRECTLY.
8. USE WEDGE GASKET AND SHORT BEAD PIECES LOCALLY TO THE POSITION OF THE CLIP VERTICALLY AT CENTRES.
9. FIT THE CLIPS VERTICALLY ONCE THE WEDGE HAS APPLIED COMPRESSION TO THE GASKET. USE GLUE TO SECURE. ONCE IN PLACE SLIDE GLASS PACKERS INTO POSITION BETWEEN UNIT AND CLIP. SECURE WITH GLUE. DO NOT FORCE IN AS THIS WILL DISTURB THE TOE AND HEEL SET UP ALREADY COMPLETED.
10. MOVE THE BEAD/GASKET PIECES TO EACH POSITION AND REPEAT. THERE IS NO REQUIREMENT TO FIT CLIPS IN THE HEAD.
11. INSERT BEADS AND APPLY WEDGE GASKET. THE WEDGE GASKET WILL RIDE OVER THE EXPOSED CLIP EDGE WITHOUT CUTTING.



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