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comar 7P.iLS+

OCTOBER 2020

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INTRODUCTION

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INTRODUCTION

1



Introduction

R0 - 11/10/2017

1.00

SPECIFICATION

The Comar Lift & Slide Door exhibits the highest standards of design appeal, strength and durability for today's commercial and domestic market.

MATERIALS

Extruded profiles are of aluminium alloy 6063 T5 or T6 to BS EN 755. and BS EN 12020.
Gaskets are extruded from E.P.D.M. rubber.
Weather strip and glazing to BS 6375. and BS 4255-1. Glass and glazing to BS 6262.

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.
Dual colour options are available.

CONSTRUCTION

The outer frame is square cut with joints formed by means of screw fixing into pre-extruded screw ports in horizontal sections.
Sashes are assembled from mitre cut profiles utilising mechanical cleats.

GLAZING

Doors are internally glazed with glazing thickness from 15mm to 57mm.
Glazing should conform to B.S.6262 and Document 'N'.
Glazing beads are all square cut for ease of installation.

SPECIFICATION

The Lift and Slide Door is designed to conform to BS4873 and recognized industry standards adopted by CWCT and Council for Aluminium in Buildings.

SIZE LIMITATIONS

The Lift and Slide Door has been successfully tested to PAS 24:2016

Sash Width: 590mm -3000mm
Sash Height: 1175mm - 3000mm
Max Outer Frame Width: 6400mm
Max Sash Weight: 200 Kg

* 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.

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INTRODUCTION

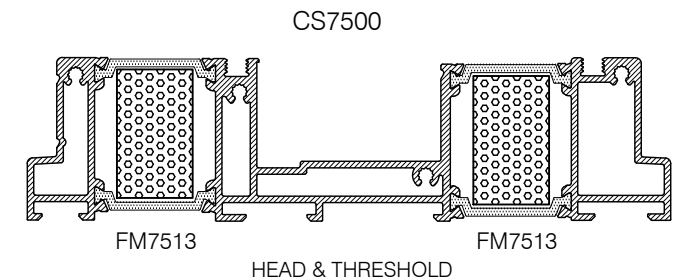
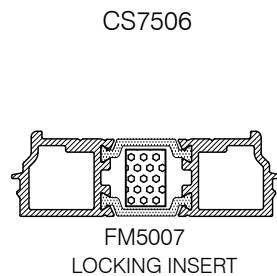
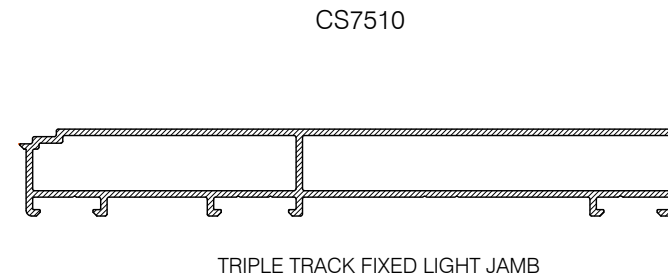
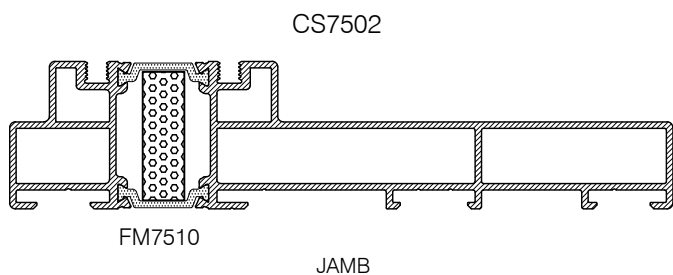
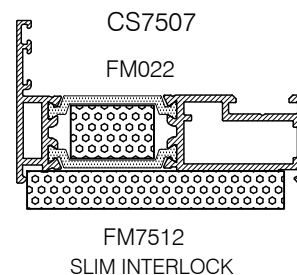
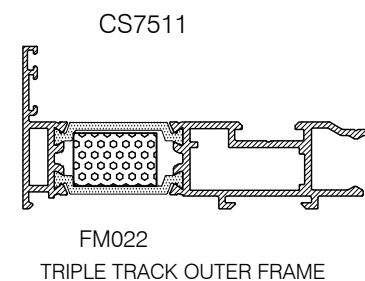
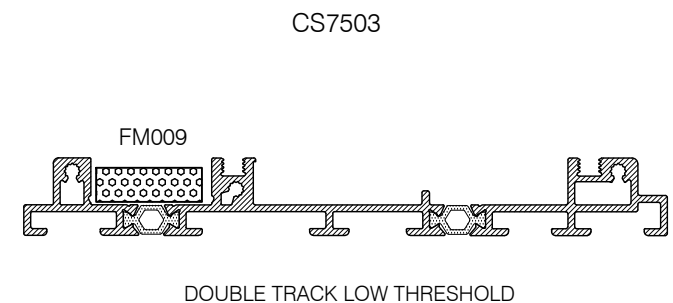
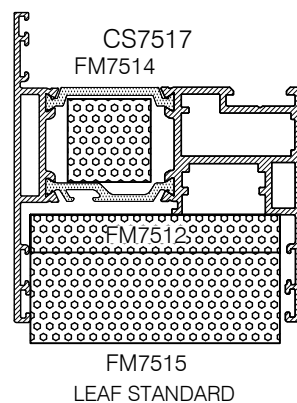
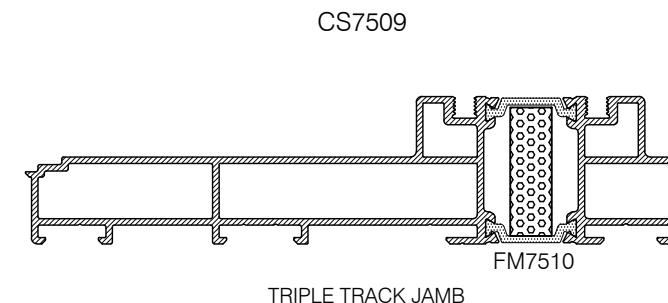
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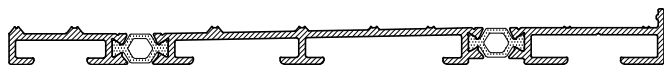
Specification

R0 - 11/10/2017

1.01

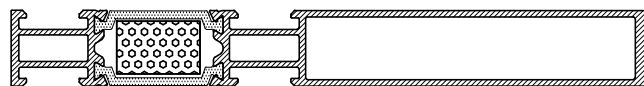


CS7501



DOUBLE TRACK SUB SILL

CS7505



FM022

COUPLER

CS7508



INTERLOCK CLOSER

CS7513



TRIPLE TRACK SUB SILL

CS7520



TRIPLE TRACK CLOSER

CS7514



TRIPLE TRACK PROTECTOR

CS7516



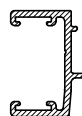
INTERLOCK

CS920



IN LINE "H" COUPLER

CS7210



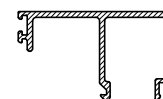
CURTAIN WALL ADAPTOR

CS448



DRIP

CS924



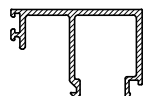
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CS141



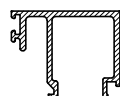
50x50x3mm

CS925



GLAZING BEAD 21-27mm

CS926



GLAZING BEAD 27-33mm

CS927



GLAZING BEAD 33-39mm

CS928



GLAZING BEAD 39-45mm

CS929



GLAZING BEAD 45-51mm

CS930



GLAZING BEAD 51-57mm

IN75100



TRIPLE TRACK FRAME
CONNECTOR

comar 7P.i LS+

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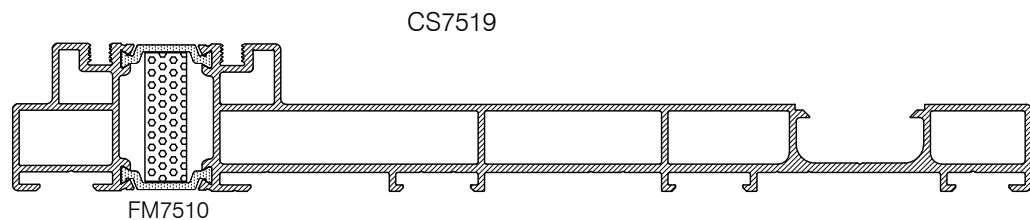


Broadsheet
Profiles

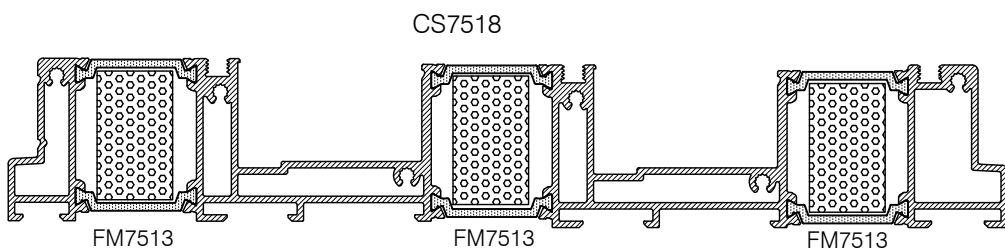
A4 Scale 1:2

R1 - 26.11.2018

1.03



TRIPLE DOOR JAMB



TRIPLE DOOR FRAME



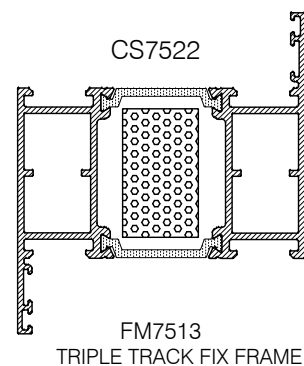
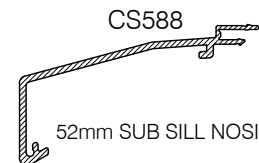
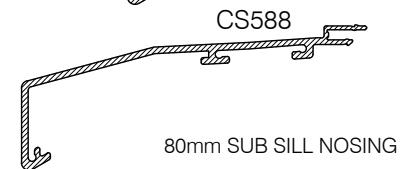
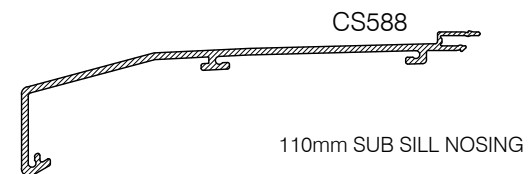
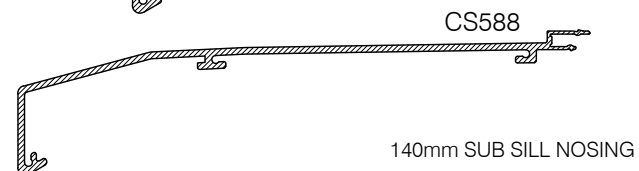
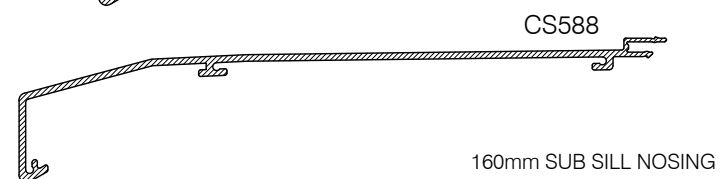
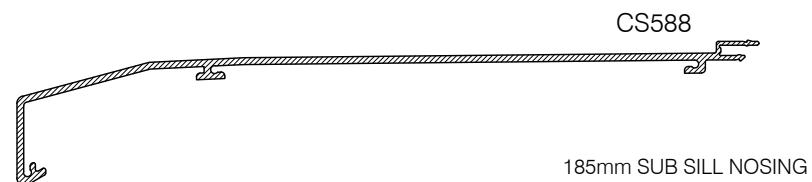
TRIPLE DOOR SUB SILL



COVER CAP INSERT PLATE



SUB SILL NOSING CONNECTOR



FUTURE
ADDITION

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INTRODUCTION

1

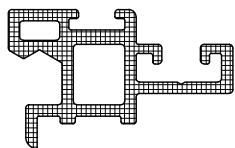


A4 Scale

R0 - 30.11.2018

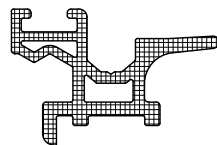
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GK7500



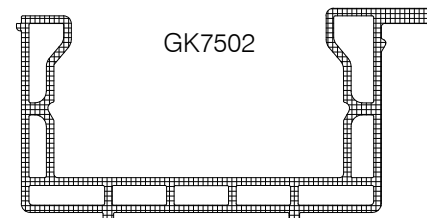
STANDARD LEAF INTERLOCK

GK7501



SLIM LEAF INTERLOCK

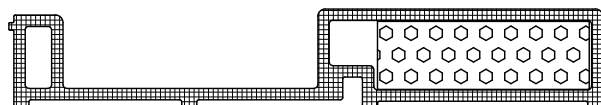
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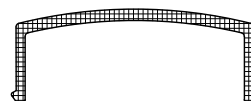
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FM009



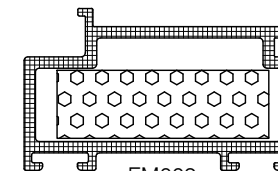
LOW THRESHOLD TRACK INSERT

GK7504



LOW THRESHOLD TRACK INFILL

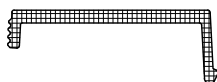
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FM009

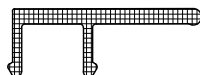
LEAF INSULATION BOX

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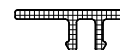
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FRAME COVER

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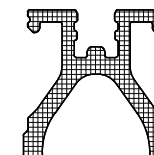
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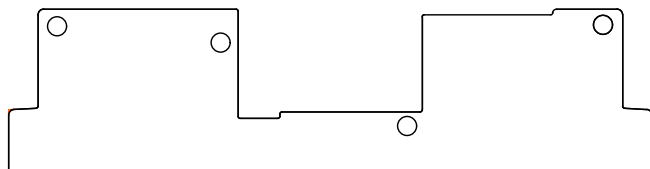
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Pi430000



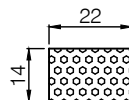
TRACK PROTECTOR SUPPORT

GK7511



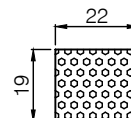
DOUBLE TRACK GASKET
PAD

FM022



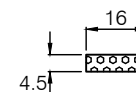
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FM119



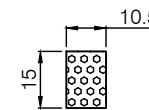
19X22 FOAM INSERT

GK7516



4.5X16 FOAM INSERT WITH
ADHESIVE

FM5007



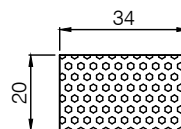
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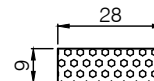
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PAD

FM7513



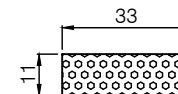
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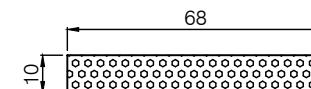
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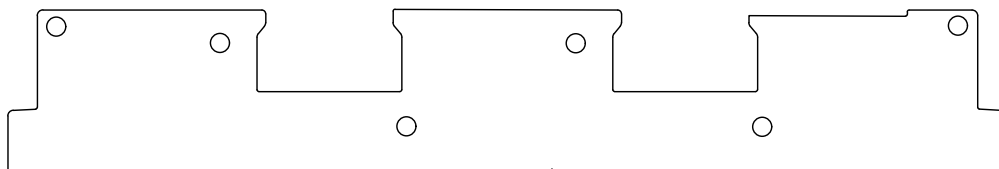
11X33 FOAM INSERT

FM7512



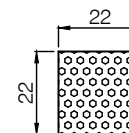
10X68 FOAM INSERT

GK7520



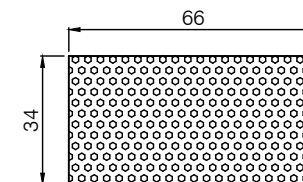
TRIPLE TRACK GASKET PAD

FM7514



22X22 FOAM INSERT

FM7515



34X66 FOAM INSERT

GK422



2mm ARROW
HEAD GASKET

GK425



5mm ARROW
HEAD GASKET

GK771



L/S SASH BUBBLE
SEAL GASKET

GK772



SASH BUBBLE SEAL
GASKET

GK906



6mm GLAZING
WEDGE

GK908



8mm GLAZING
WEDGE

GK910



10mm GLAZING
WEDGE

GK9409



26 x 4.5mm GLASS REBATE
THERMAL GASKET

GK418



WEATHER SEAL 6.9mm

GK401



2mm WEDGE

GK054



EURO GROOVE FILLER

WP407XSLF



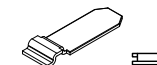
7 /1000 WOOLPILE
7mm BASE, 10mm LONG

WS7006XSLF



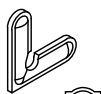
ADJUSTABLE JAMB BLOCK

WS916XSLF



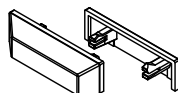
ALIGNMENT FOR
TRANSOM/MULLION

WS015XSLF



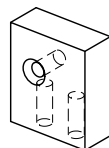
CHEVRON

WS023EWHT /
WS023DBLK



DRAINAGE CAP

WS817XSLF



TRANSOM MOUNTED
BLCK

EC448



PLASTIC END CAP
FOR CS448

SD99997



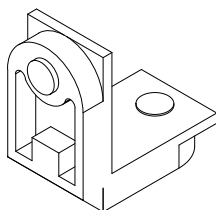
S/S TRACK INSERT

FX048XSLF



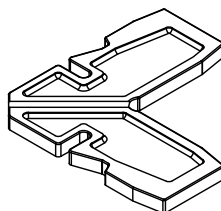
RIVET

WS435XSLF



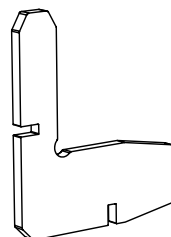
SPRING CORNER CLEAT

WS172XSLF



CLEAT

WS75101XSLF



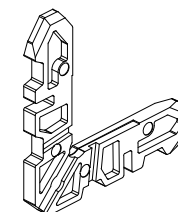
CLEAT

WS092XSLF



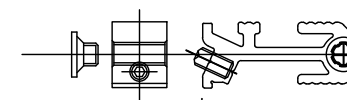
CLEAT PIN FOR
USE WITH WS75100 &
WS172 & WS75101

WS75100XSLF



CLEAT

WS918XKIT



14,5mm CLEAT
(FOR CS7522)
1 x M5x10mm GRUB SCREW
1 x M6x7mm CSK SCREW

comar 7P.iLS+

INTRODUCTION

1



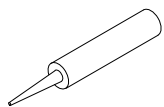
Broadsheet
Accessories
Gasket & Cleats

A4 Scale 1:2

R2 - 04/12/2019

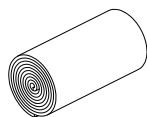
1.06

SE007BLK
SE007WHT



JOINT ADHESIVE CARTRIDGE

XX6010XSLF



BLACK 25m, 250mm WIDE
EPDM MEMBRANE

WS7505XSLF



M8 x 40 FLAT WASHER
STAINLESS STEEL

FX7004XSLF



No. 8x13mm
PANHEAD SELF DRILL
STAINLESS STEEL

FX079XSLF



M5x12 CSK
MACHINE SCREW

FX091XSLF



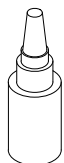
No. 8x13mm CSK SELF
TAPPING

FX034XSLF



No. 8x16mm CSK
SELF TAPPING

SE008XSLF



JOINT ADHESIVE
CARTRIDGE CLEAR

XX6011XSLF



Black 25m, 150mm WIDE
EPDM MEMBRANE

FX801XSLF



M5x30 CSK
MACHINE SCREW

FX032XSLF



No. 8x32mm
PANHEAD STEEL

XX3090XSLF



5.5x42mm CSK
ALLEN KEY SCREW
STAINLESS STEEL

FX7001XSLF



No. 4x13mm SELF
TAPPING COUNTERSUNK
HEAD SCREW STAINLESS
STEEL

XX3021XSLF



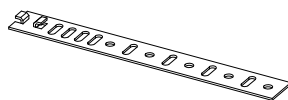
No. 3.5x15mm
PANHEAD SELF
TAPPING STAINLESS
STEEL

SE009XSLF



CLEAR GASKET ADHESIVE

IN045XSLF



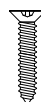
FIXING STRAP

FX088XSLF



M5x45 CSK
MACHINE SCREW

XX3092XSLF



No. 10x22mm SELF TAPPING
CSK STAINLESS STEEL

FX7011XSLF



10x32mm SELF TAPPING
CSK STAINLESS STEEL

FX7512XSLF



No. 10x38mm SELF TAPPING
CSK STAINLESS STEEL

FX035XSLF



No. 8x16mm
PANHEAD SELF-TAPPER
STAINLESS STEEL

comar 7P.iLS+

INTRODUCTION

1



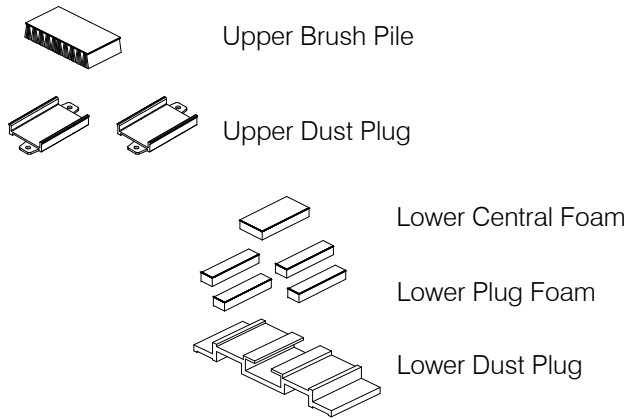
Broadsheet
Accessories Fixings
EPDM & Silicone

A4 Scale 1:2

R0 - 31.10.2017

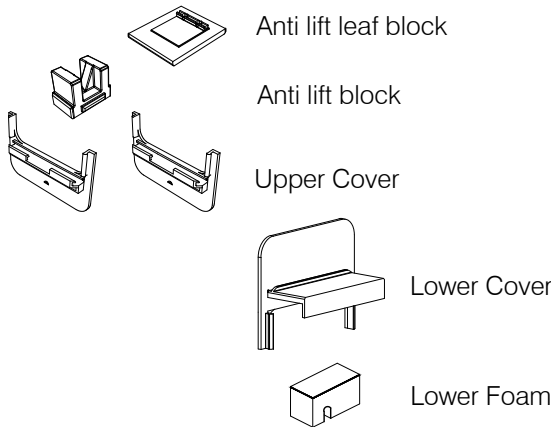
1.07

WS75200XKIT



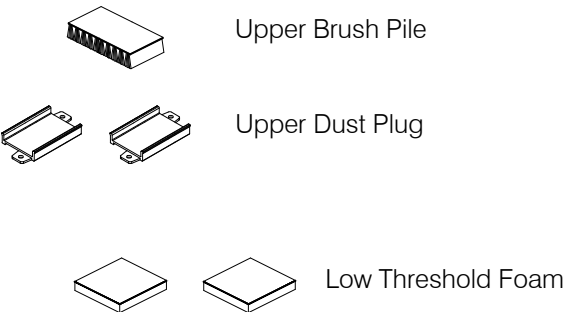
DUST PLUG KIT LS+

WS75202XKIT



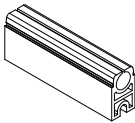
COVER KIT LS+

WS75204XKIT



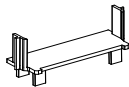
LOW THRESHOLD DUST
PLUG KIT LS+

WS75108DBLK



SUPPORT BLOCK

EC7520DBLK



LOCKING INSERT CAP

FX033XSFLF



N8X12mm
SELF TAPPING

FX7510BSVR



M5X13mm
CSK
MACHINE SCREW

XX3028XSFLF



3.5 x 19mm
CSK
SELF TAPPING

FX206XSFLF



4.2mm X 50mm
S/S CSK

FX7513XSFLF



5.5mm x 70mm
CSK

comar 7P.i LS+

INTRODUCTION

1

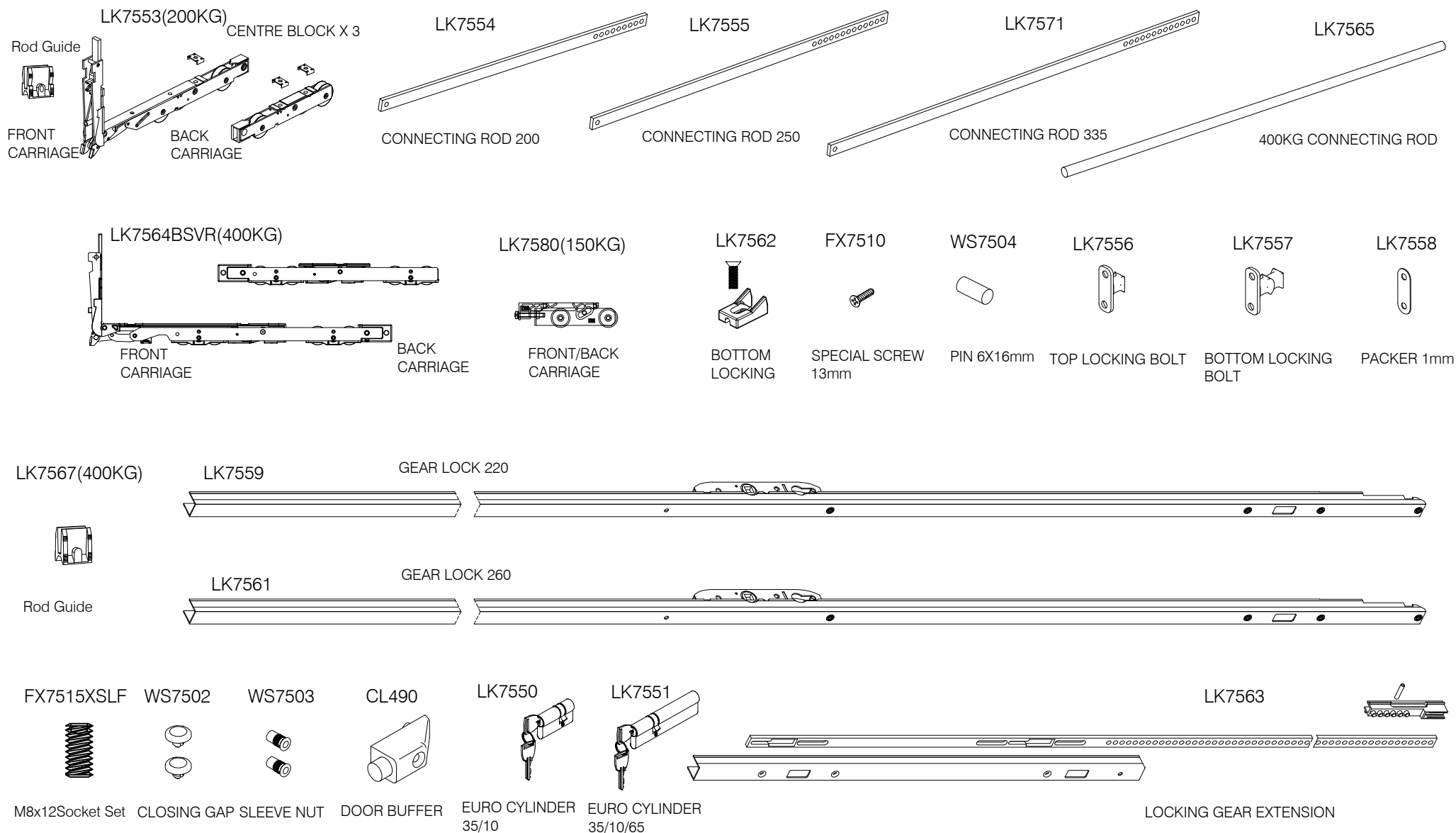


Broadsheet
Accessories
Cover Cap & Anti Lift

A4 Scale 1:2

R1 - 04/12/2019

1.08



comar 7P.iLS+

INTRODUCTION

1

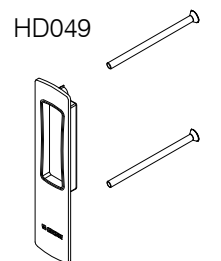


Broadsheet
Lift & Locking
Hardware

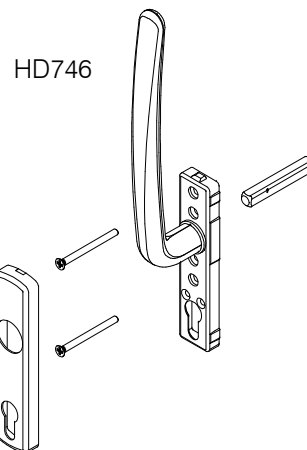
A4 Scale NTS

R2 - 04/12/2019

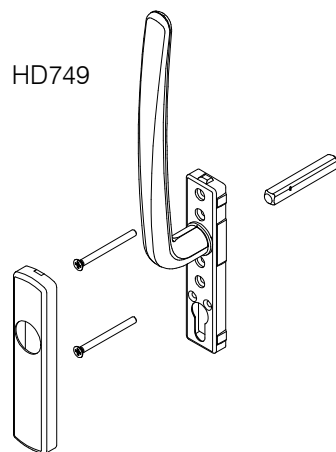
1.09



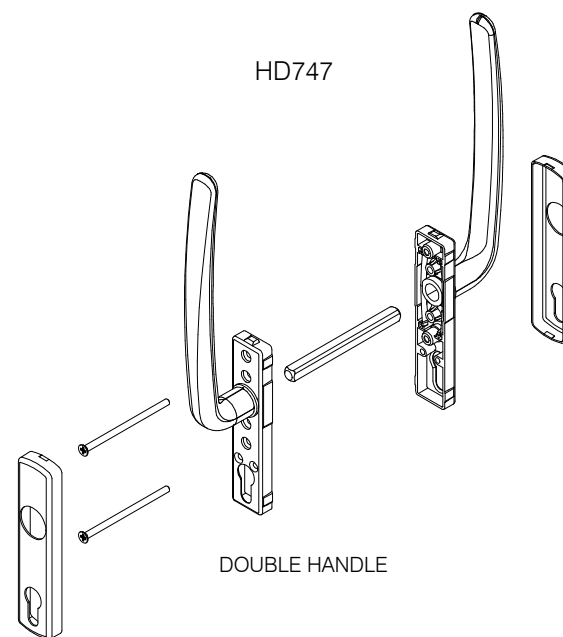
FLUSH PULL HANDLE



SINGLE HANDLE



SINGLE HANDLE



DOUBLE HANDLE

comar 7P.i LS+

INTRODUCTION

1



Broadsheet
Door Handle Options

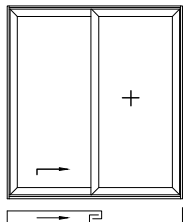
A4 Scale NTS

R1 - 10.10.2018

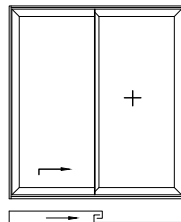
1.10

CONFIGURATIONS

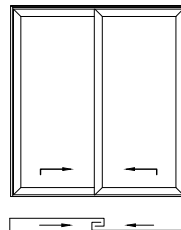
Standard Interlock
2 Leaf 1 Fixed



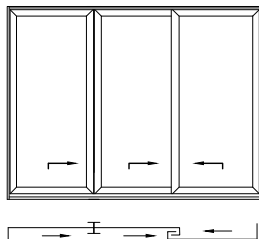
Slim Interlock
2 Leaf 1 Fixed



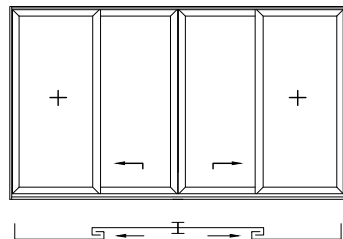
Double Track Low Threshold
2 Leaf



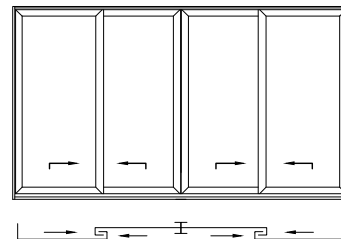
Double Track
2 Leaf



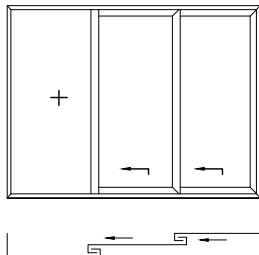
Double Track
4 Leaf 2 Fixed



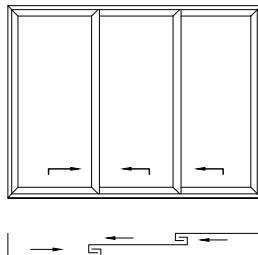
Double Track
4 Leaf



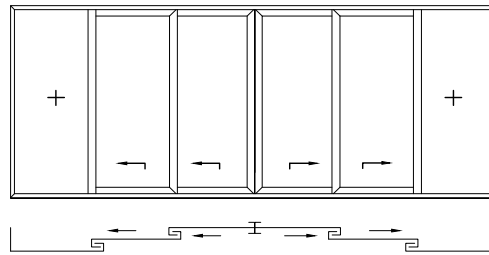
Triple Track
3 Leaf 1 Fixed



Triple Door
3 Leaf



Triple Track
6 Leaf 2 Fixed



These are examples of typical configurations, alternative configurations are possible, for further information please contact Comar's Technical Department.

comar 7P.iLS+

INTRODUCTION

1



Configurations

A4 Scale NTS

R1 - 04/12/2019

1.11

VIEWS & SECTIONS

comar 7P.iLS+

VIEWS & SECTIONS

2

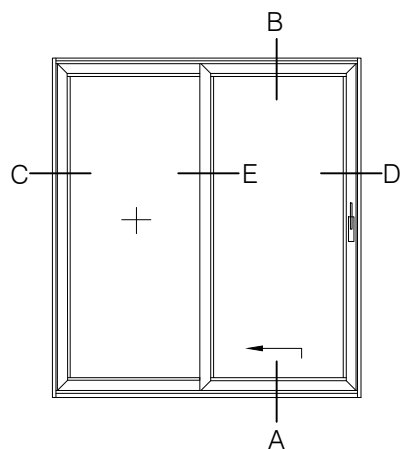


Views & Sections

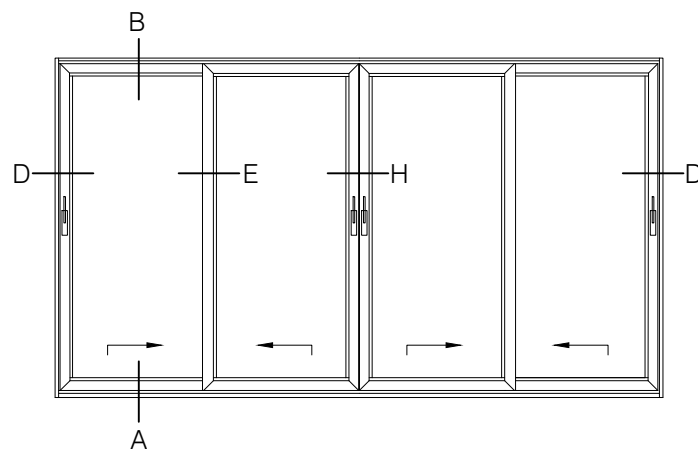
R0 - 11/10/2017

2.00

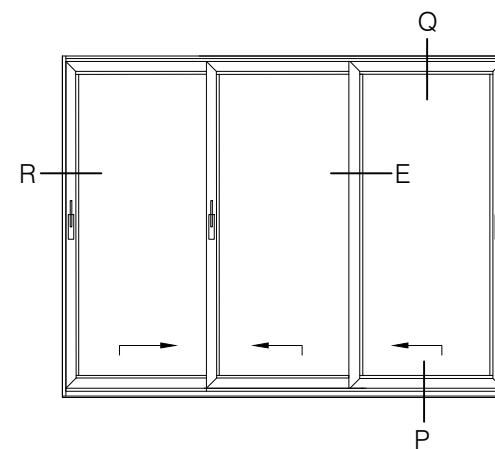
Double Track 2 Leaf 1 Fixed Door (2.02)



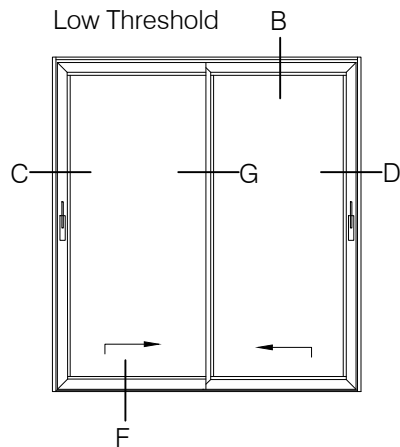
Double Track 4 Leaf Door



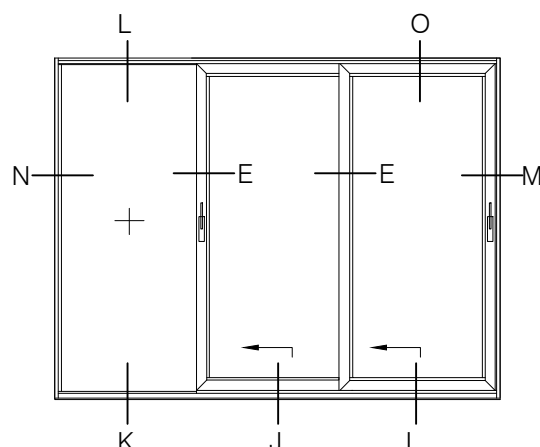
Triple Door 3 Leaf Door (2.22)



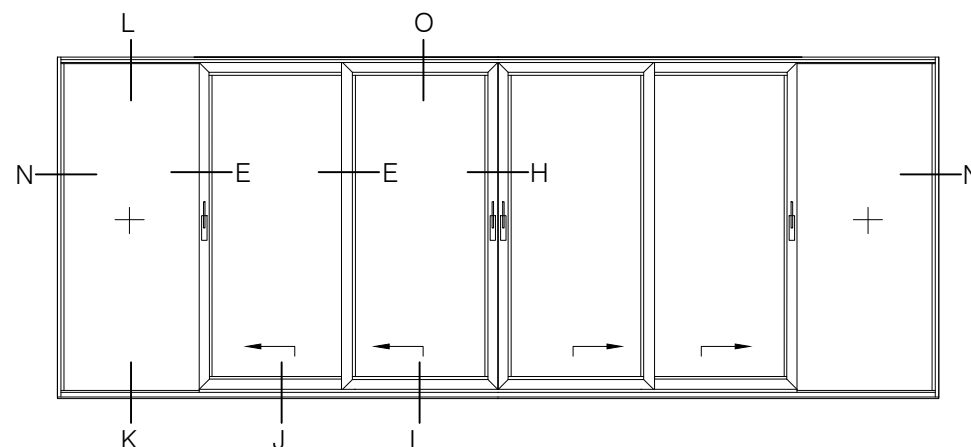
Double Track 2 Leaf Door
Slim Interlock
Low Threshold



Triple Track 3 Leaf 1 Fixed Door (2.11)



Triple Track 6 Leaf 2 Fixed Door (2.12)



comar 7P.iLS+

VIEWS & SECTION

2

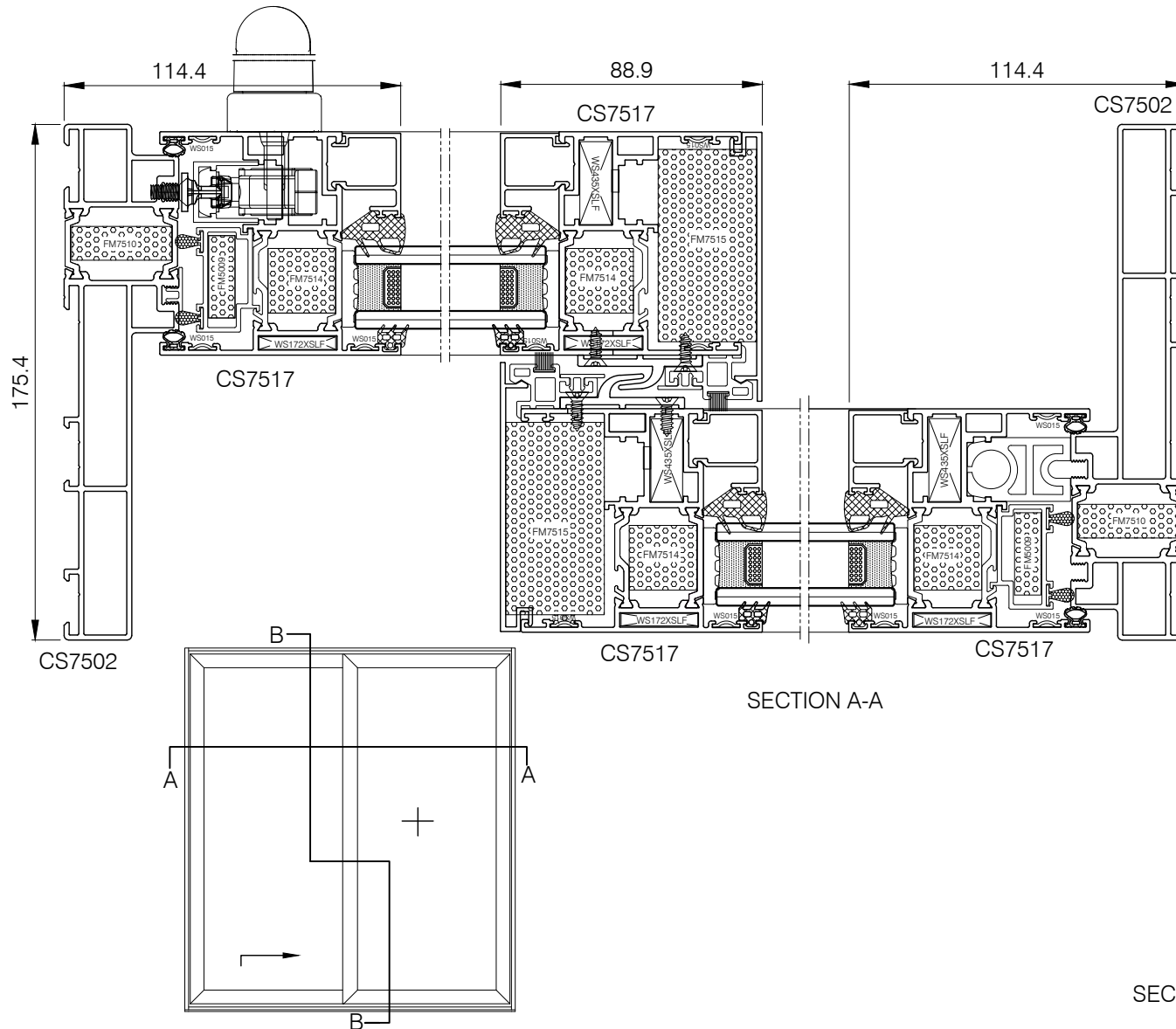
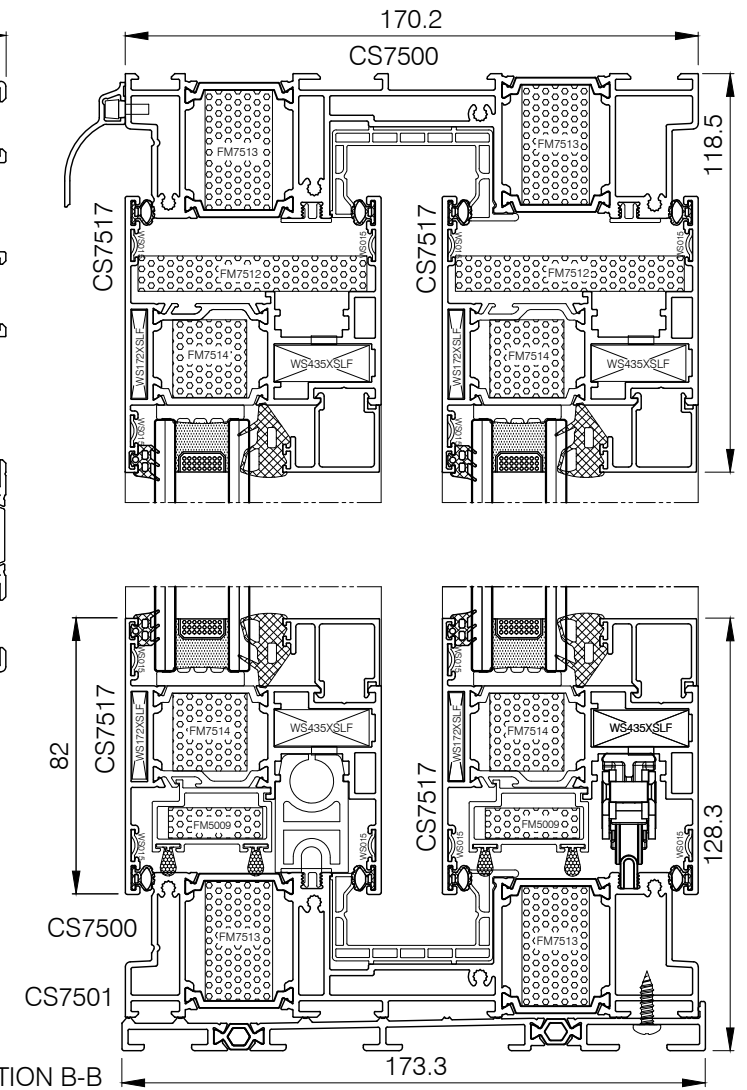


Double and Triple Track
Door Configurations

A4 Scale NTS

R1 - 04/12/2019

2.01



comar 7P.i LS+

VIEWS & SECTIONS

2

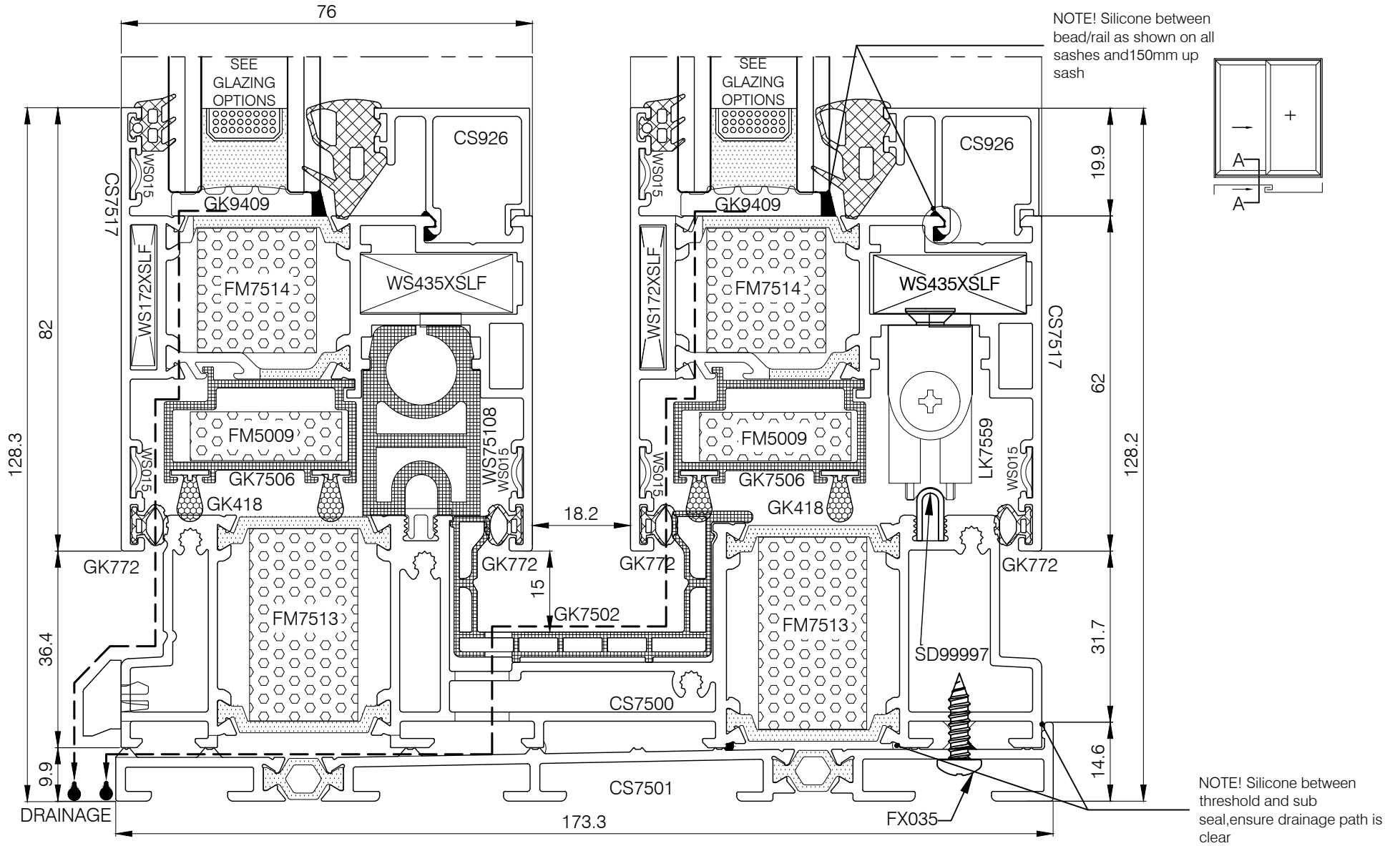


Double Track Door
Standard Interlock

A4 Scale NTS

R0 - 31/10/2017

2.02



comar 7P.iLS+

VIEWS & SECTIONS

2

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Double Track Door
In Line Slider
Sill Detail A

A4 Scale 1:1

R0 - 04/12/2019

2.03.1

FUTURE
ADDITION

comar 7P.iLS+

VIEWS & SECTIONS

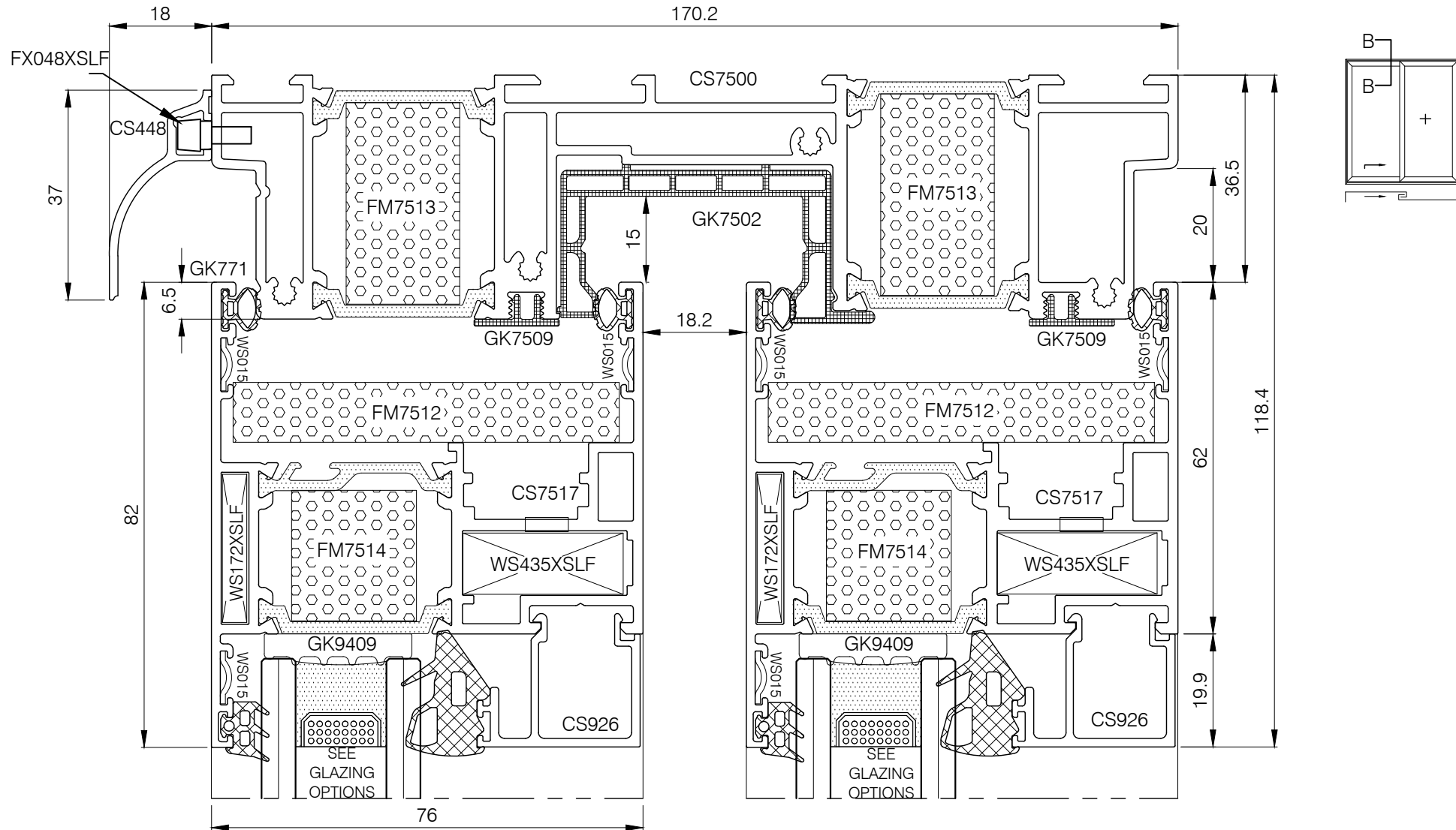
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A4 Scale

R0 - 04/12/2019

2.03.2



comar 7P.iLS+

VIEWS & SECTIONS

2

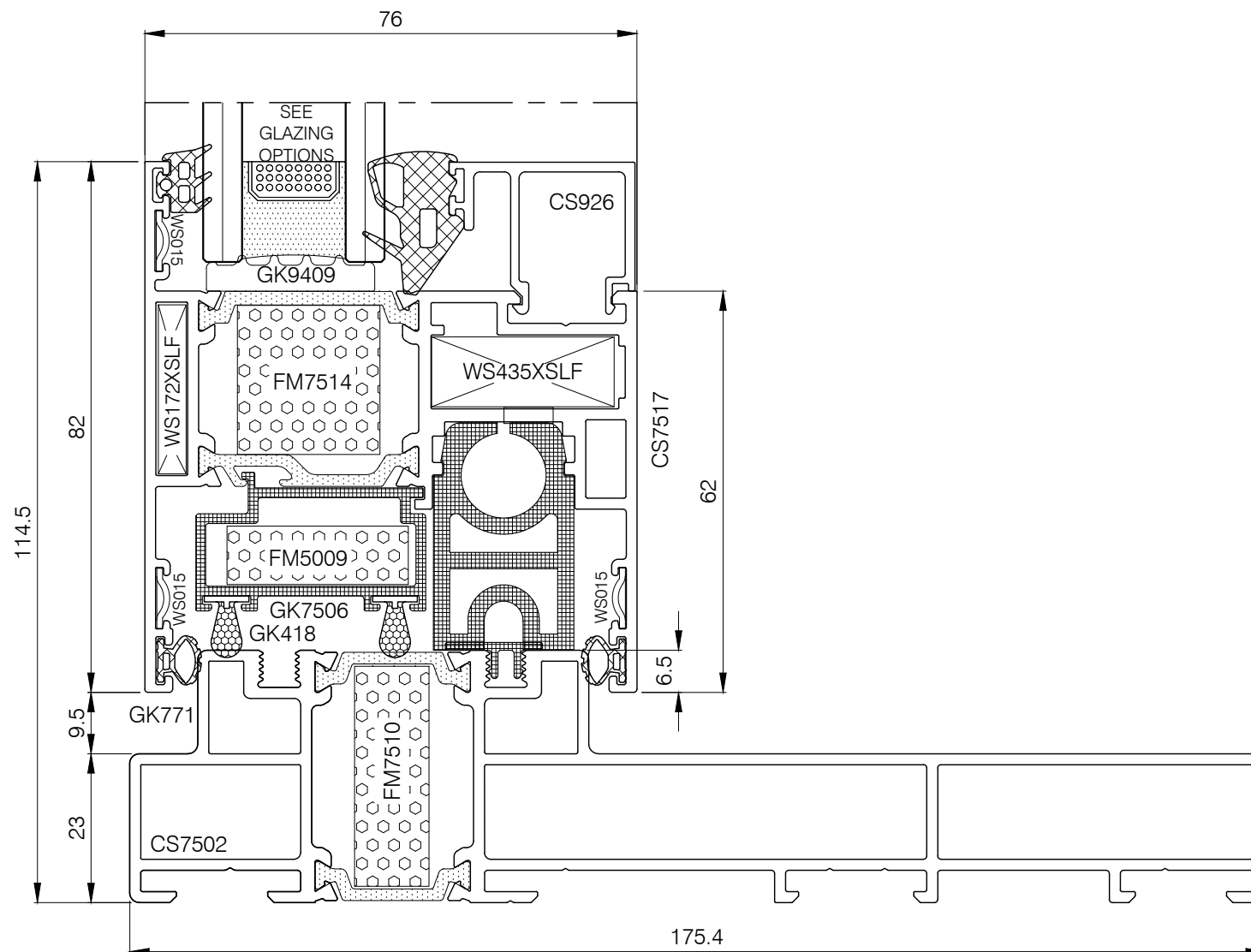
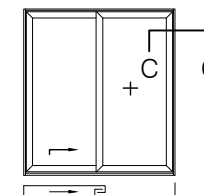
comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Double Track Door
Head Detail B

A4 Scale 1:1

R0 - 31.10.2017

2.04



comar 7P.iLS+

VIEWS & SECTIONS

2

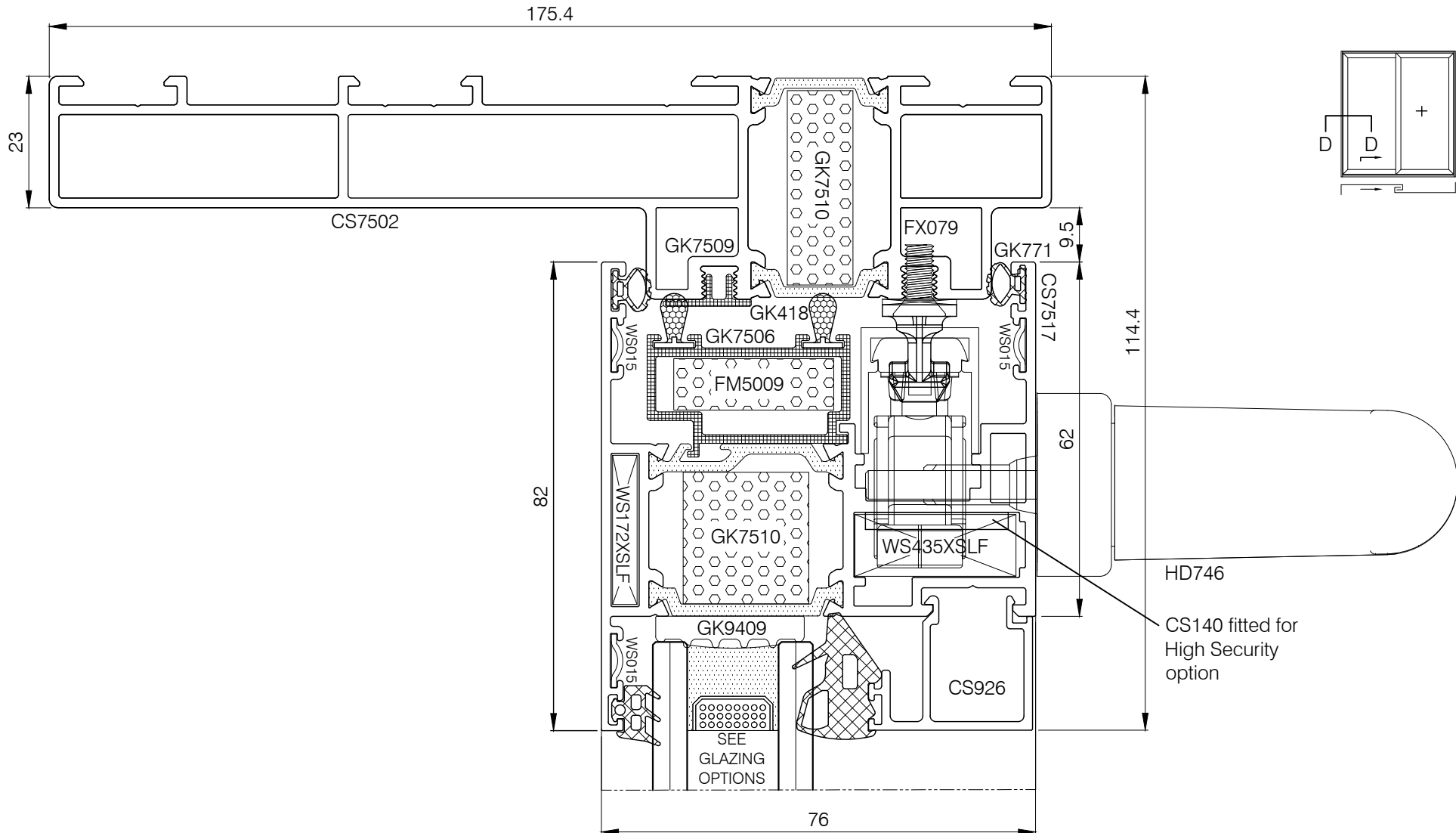


Double Track Door
Jamb Detail C
Fixed Leaf

A4 Scale 1:1

R0 - 31.10.2017

2.05



comar 7P.iLS+

VIEWS & SECTIONS

2

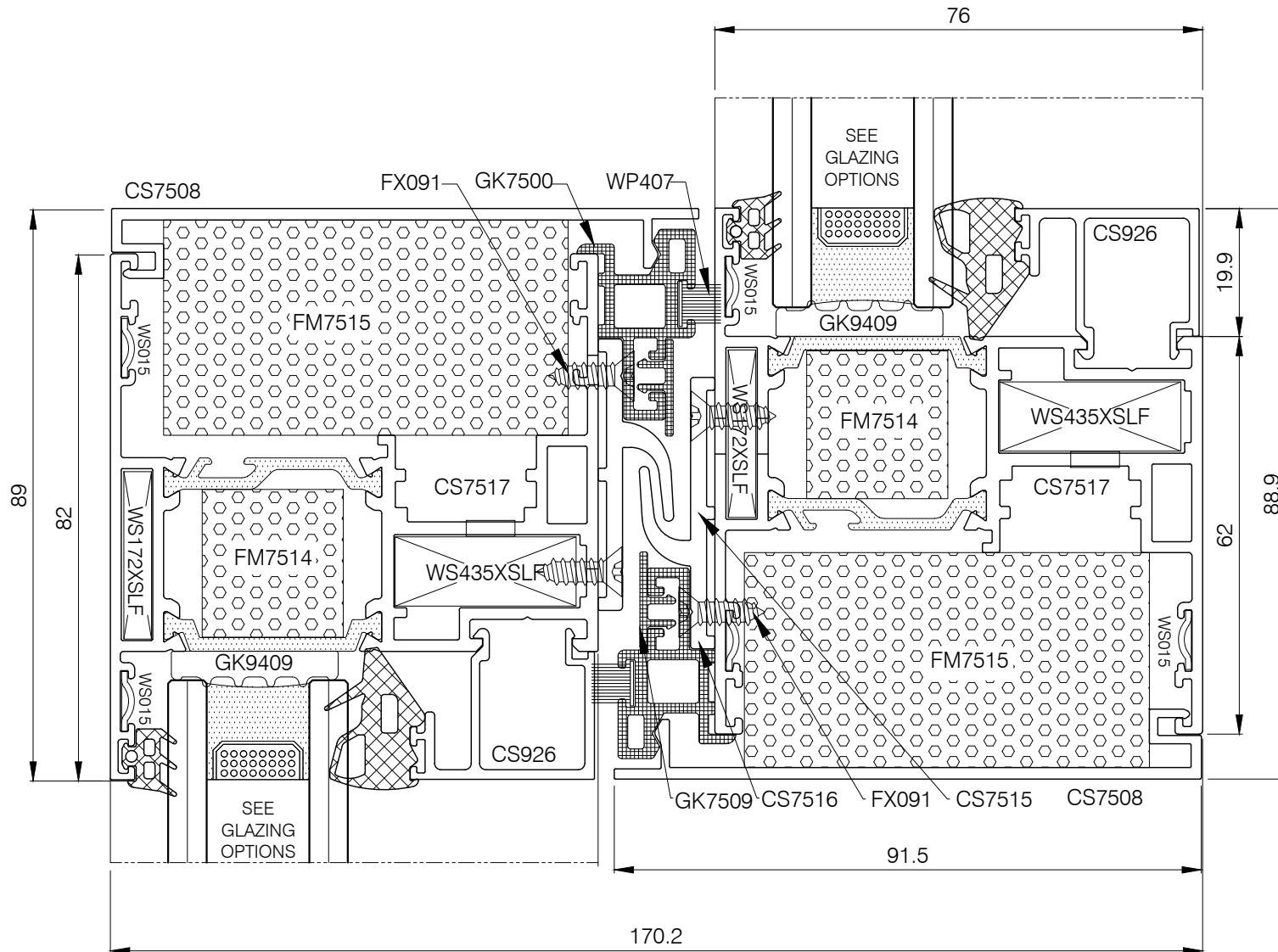
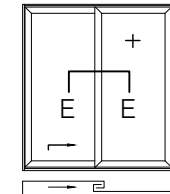


Double Track Door
Jamb Detail D
Movable Leaf

A4 Scale 1:1

R0 - 31.10.2017

2.06



comar 7P.i LS+

VIEWS & SECTIONS

2

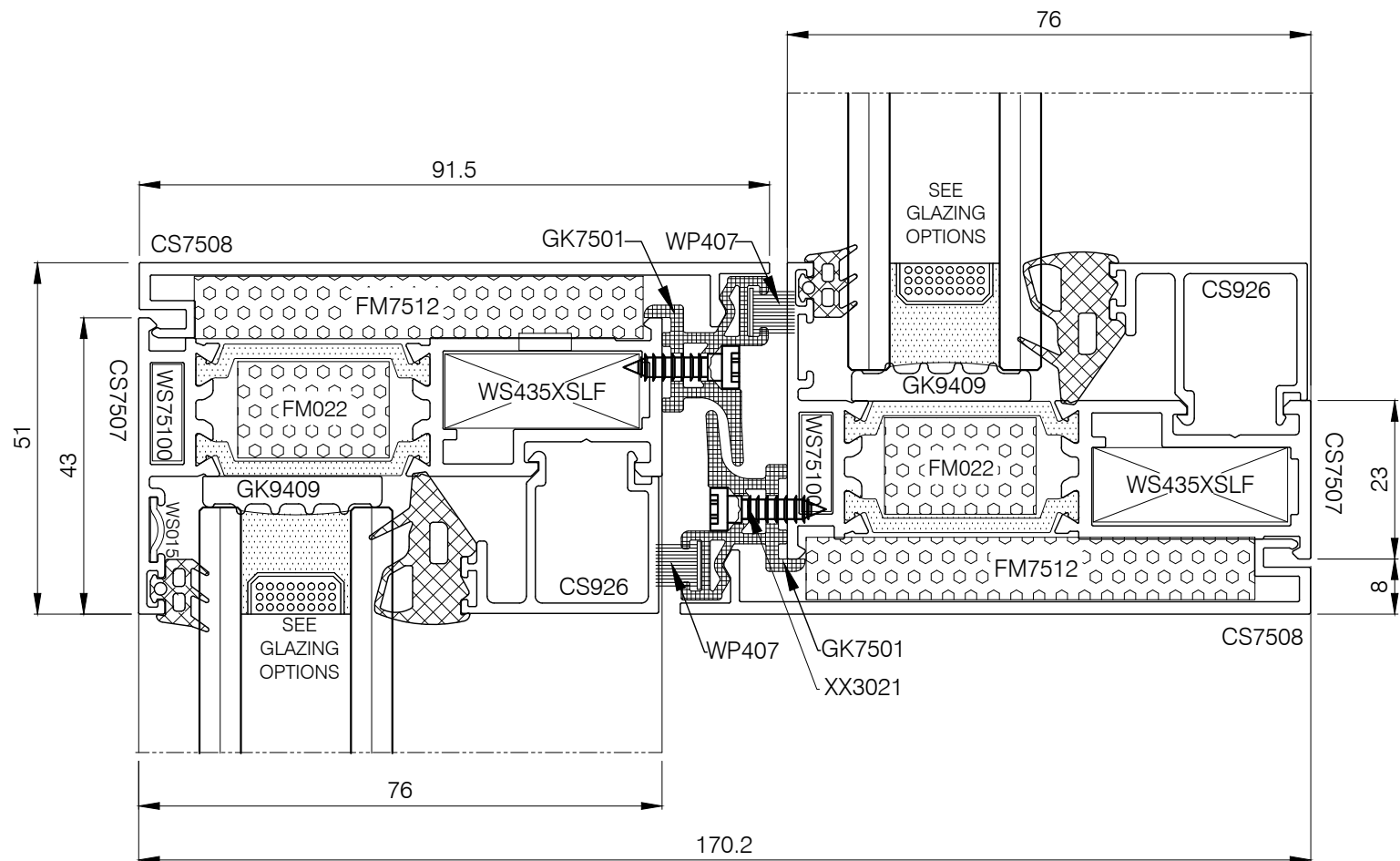
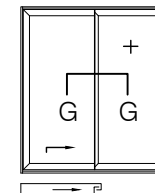


Meeting Stile
Standard Interlock E

A4 Scale 1:1

R0 - 31.10.2017

2.07



comar 7P.iLS+

VIEWS & SECTIONS

2

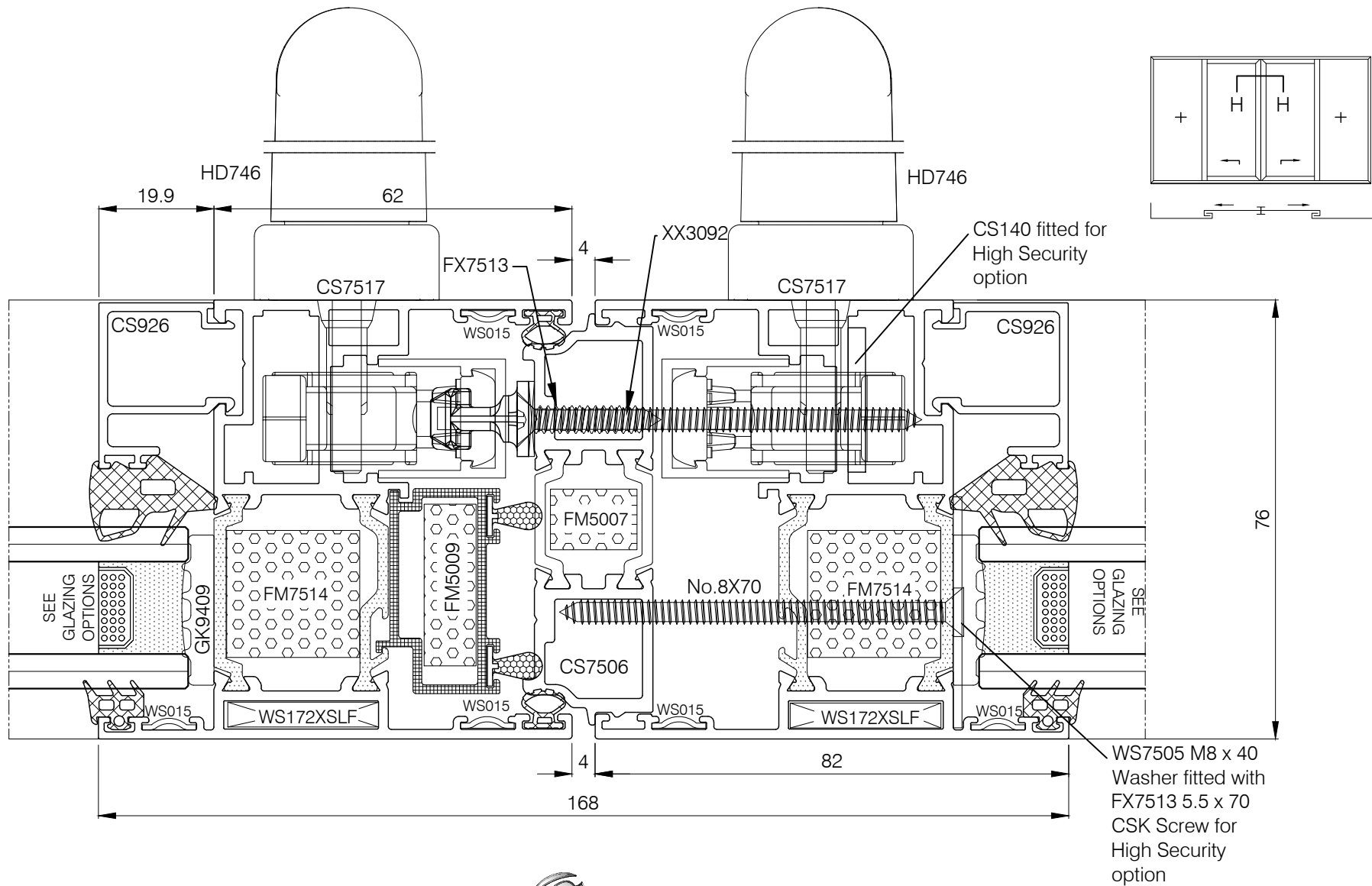


Meeting Stile
Slim Interlock G

A4 Scale 1:1

R0 - 31.10.2017

2.09



comar 7P.i LS+

VIEWS & SECTIONS

2

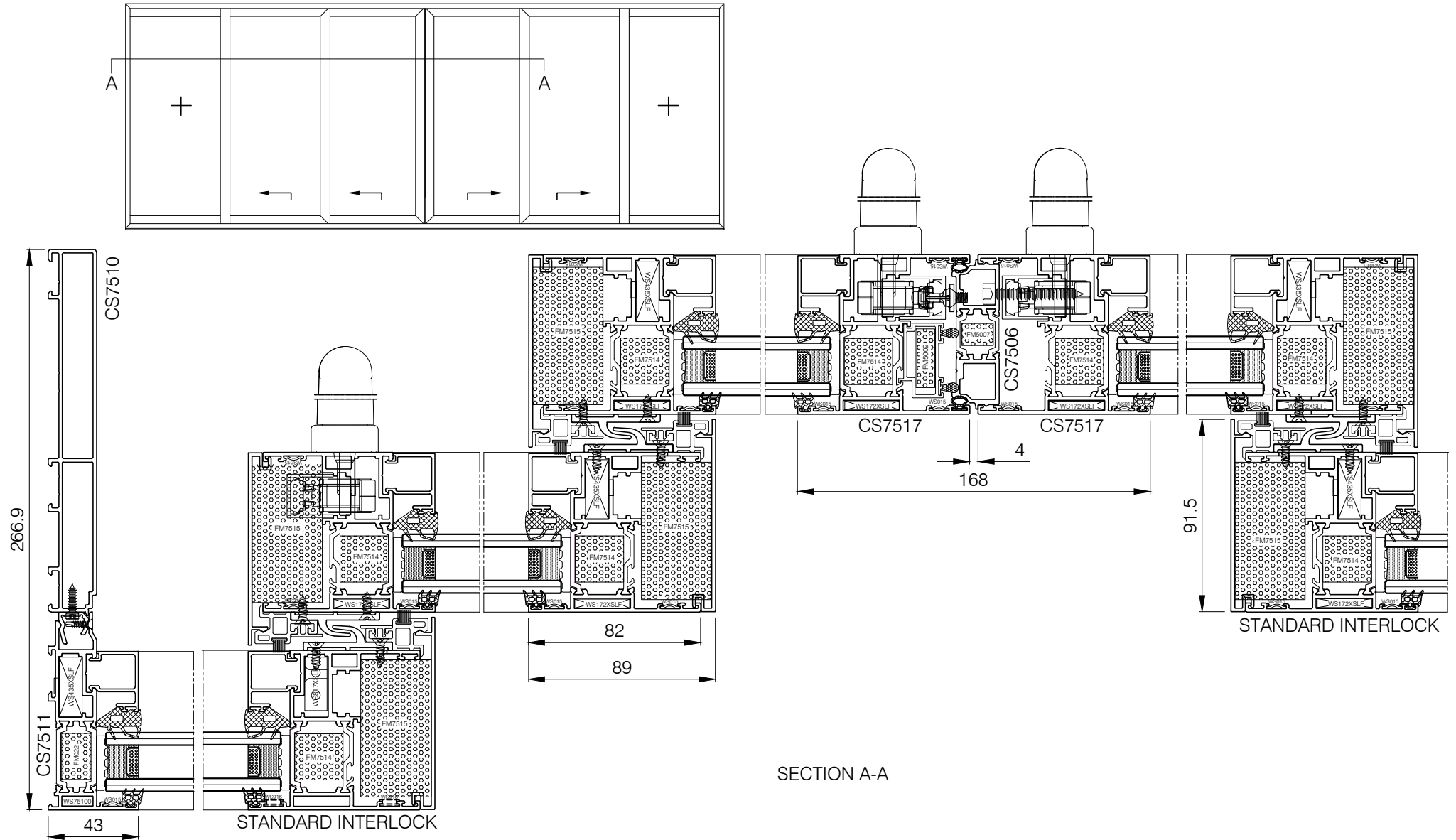


Meeting Stiles H

A4 Scale 1:1

R0 - 31.10.2017

2.10



comar 7P.i LS+

VIEWS & SECTIONS

2

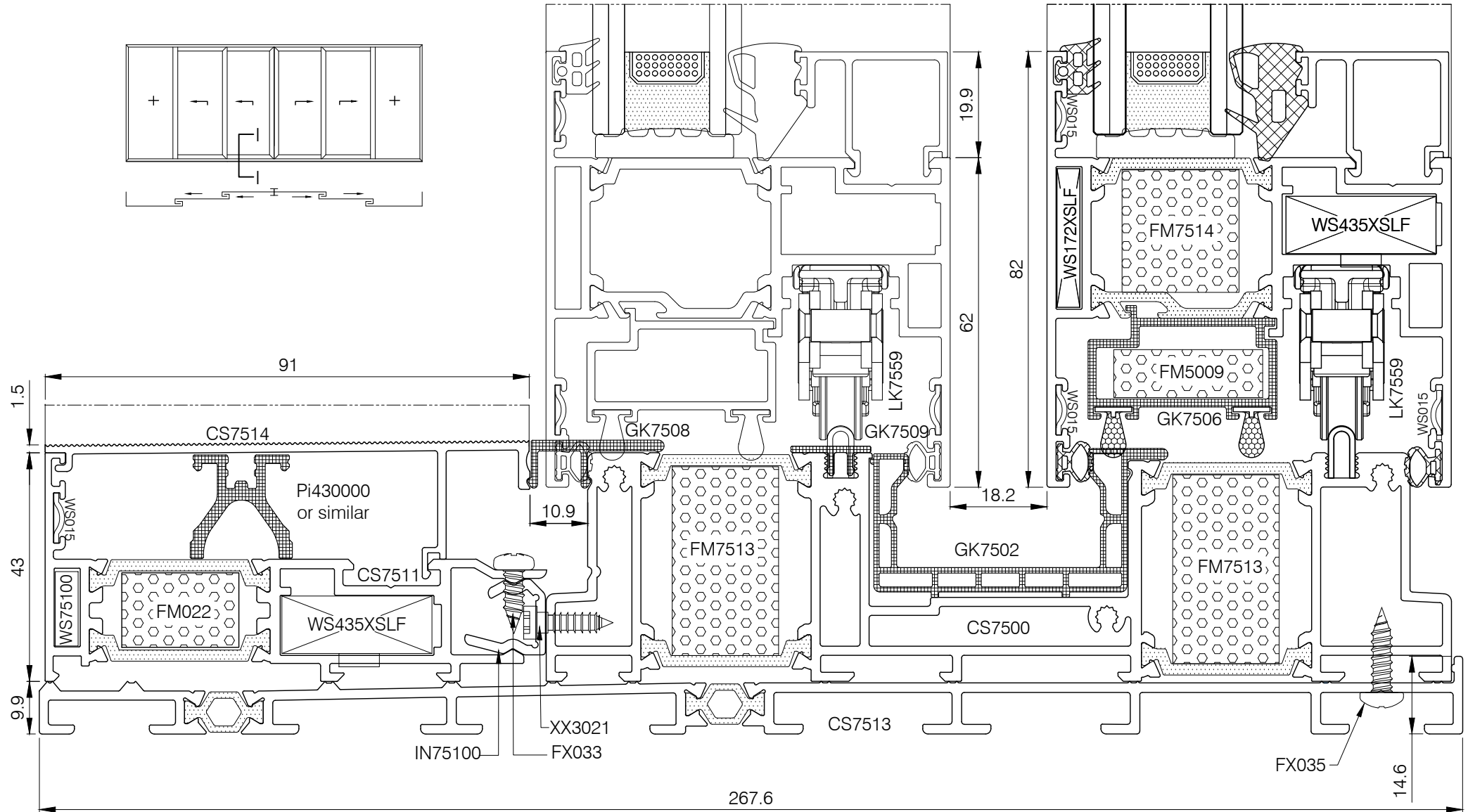


Triple Track Door
Horizontal Section

A4 Scale NTS

R1 - 30/11/2018

2.12



comar 7P.i LS+

VIEWS & SECTIONS

2

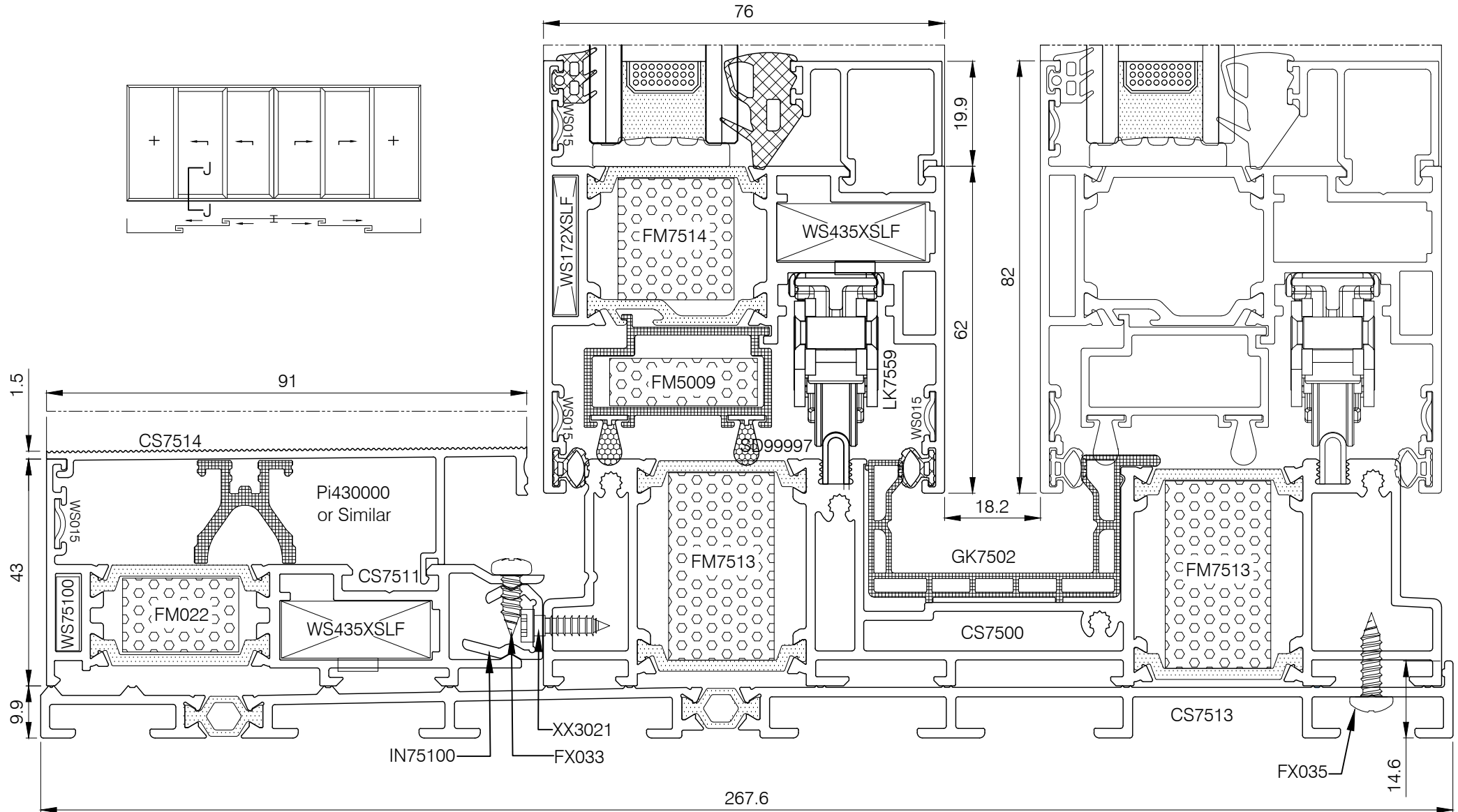


Triple Track Door
Sill Detail I
Interior Leaf

A4 Scale 1:1

R1 - 04/12/2019

2.13



comar 7P.i LS+

VIEWS & SECTIONS

2

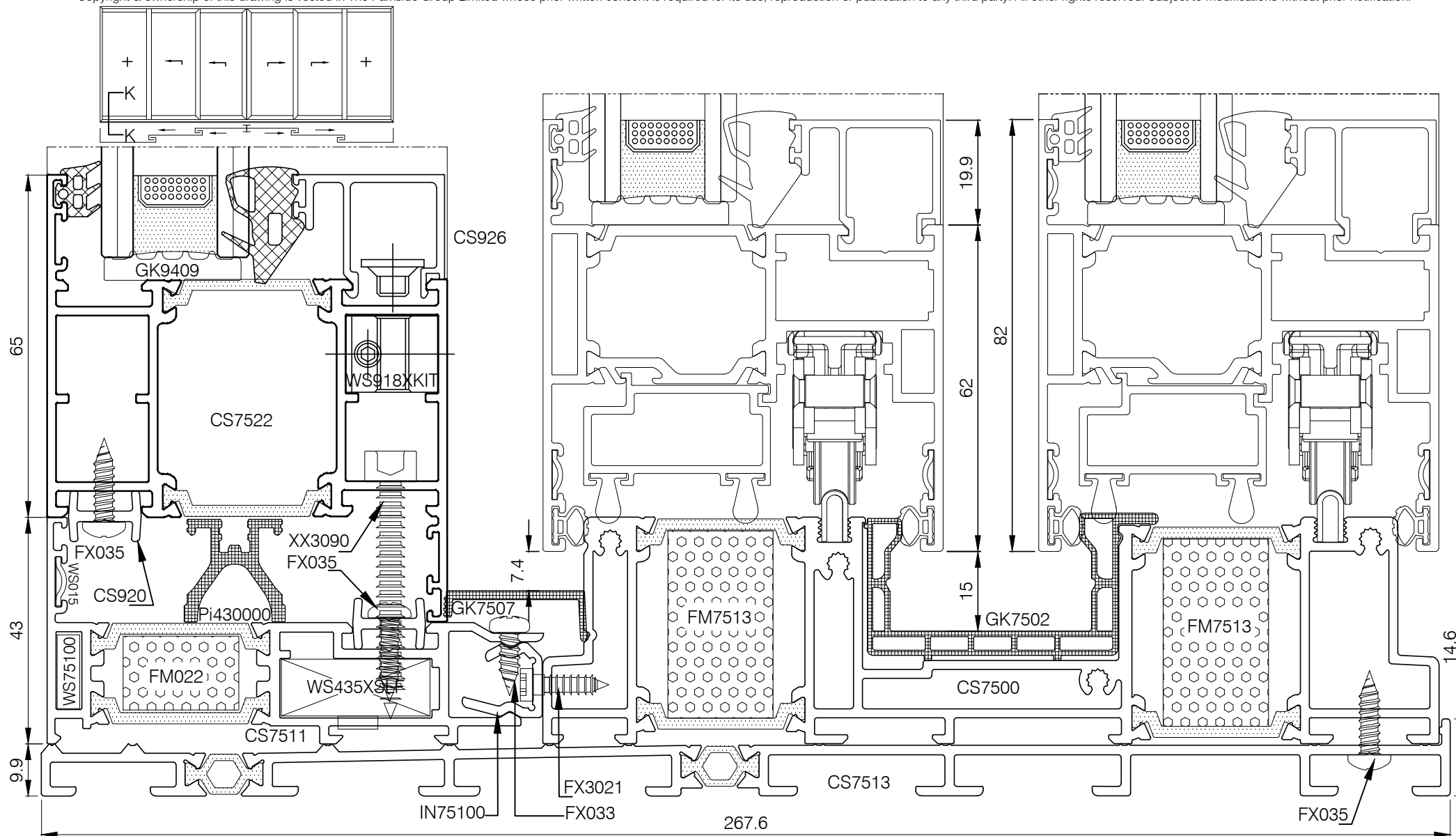


Triple Track Door
Sill Detail J
Middle Leaf

A4 Scale 1:1

R1 - 04/12/2019

2.14



comar 7P.i LS+

VIEWS & SECTIONS

2

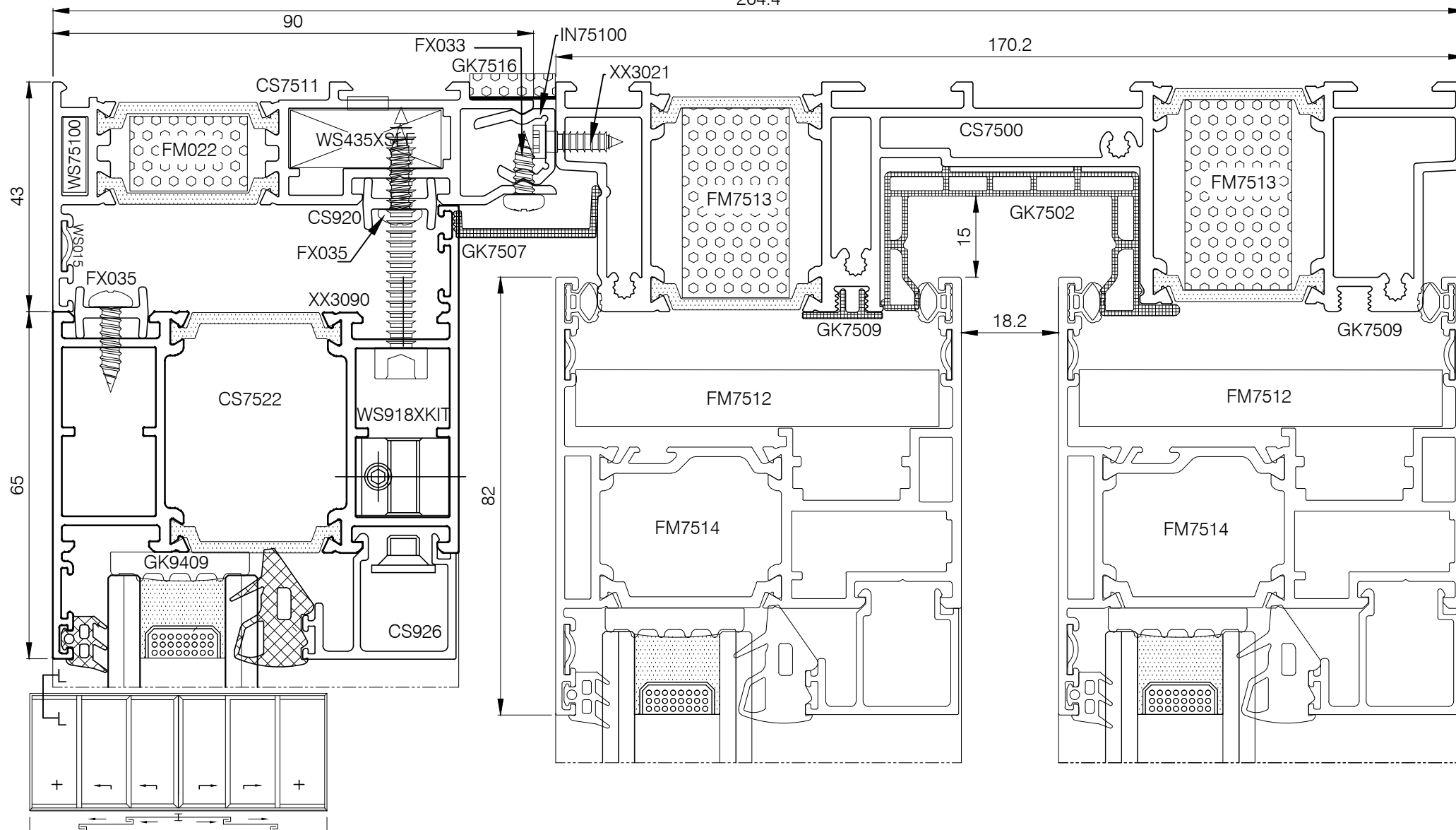


Triple Track Door
Sill Detail K
Exterior Fixed Leaf

A4 Scale 1:1

R1 - 22.11.2018

2.15



comar 7P.i LS+

VIEWS & SECTIONS

2

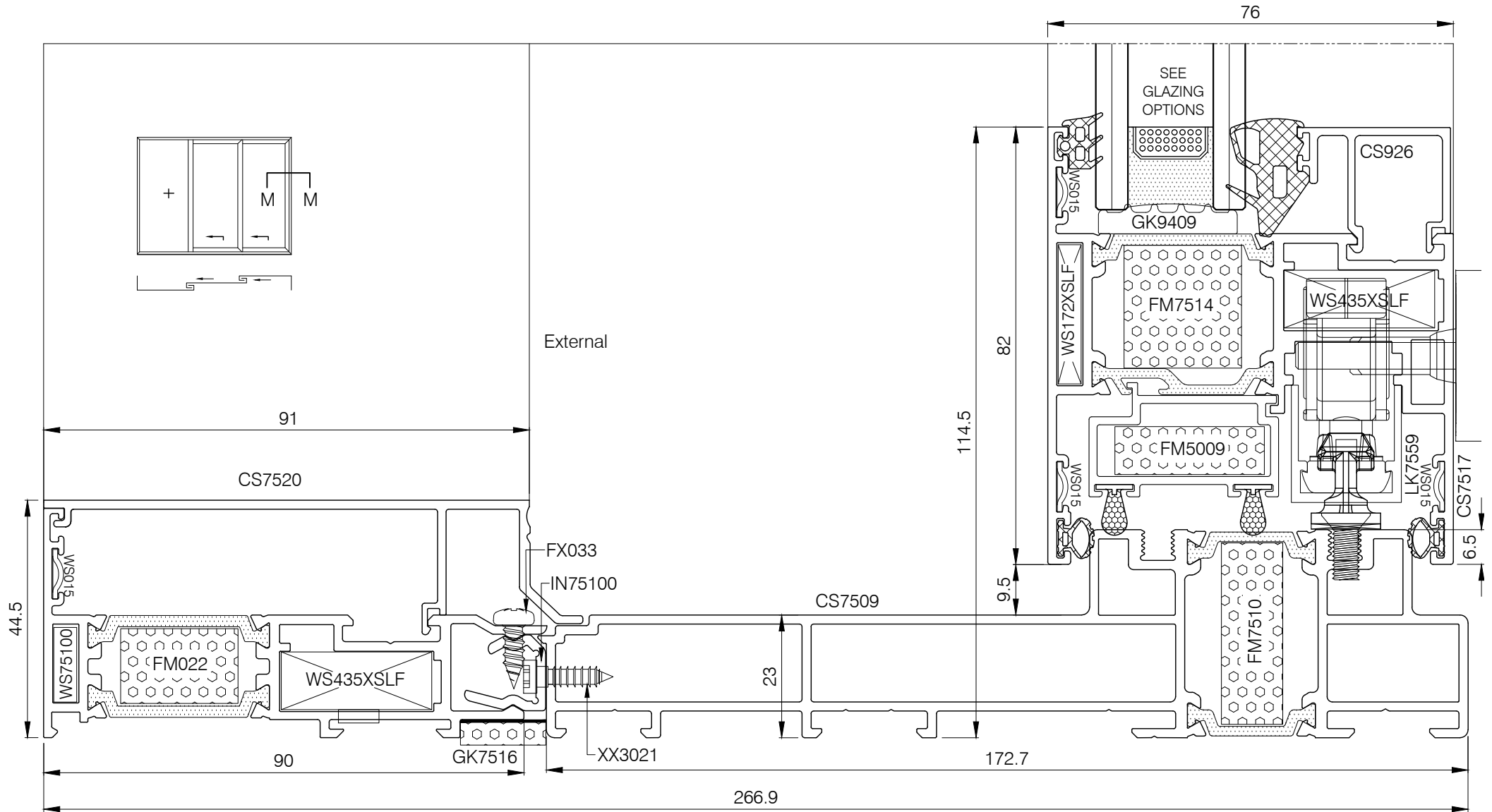


Triple Track Door
Head Detail L

A4 Scale 1:1

R1 - 22.11.2018

2.16



comar 7P.iLS+

IEWS & SECTIONS

2

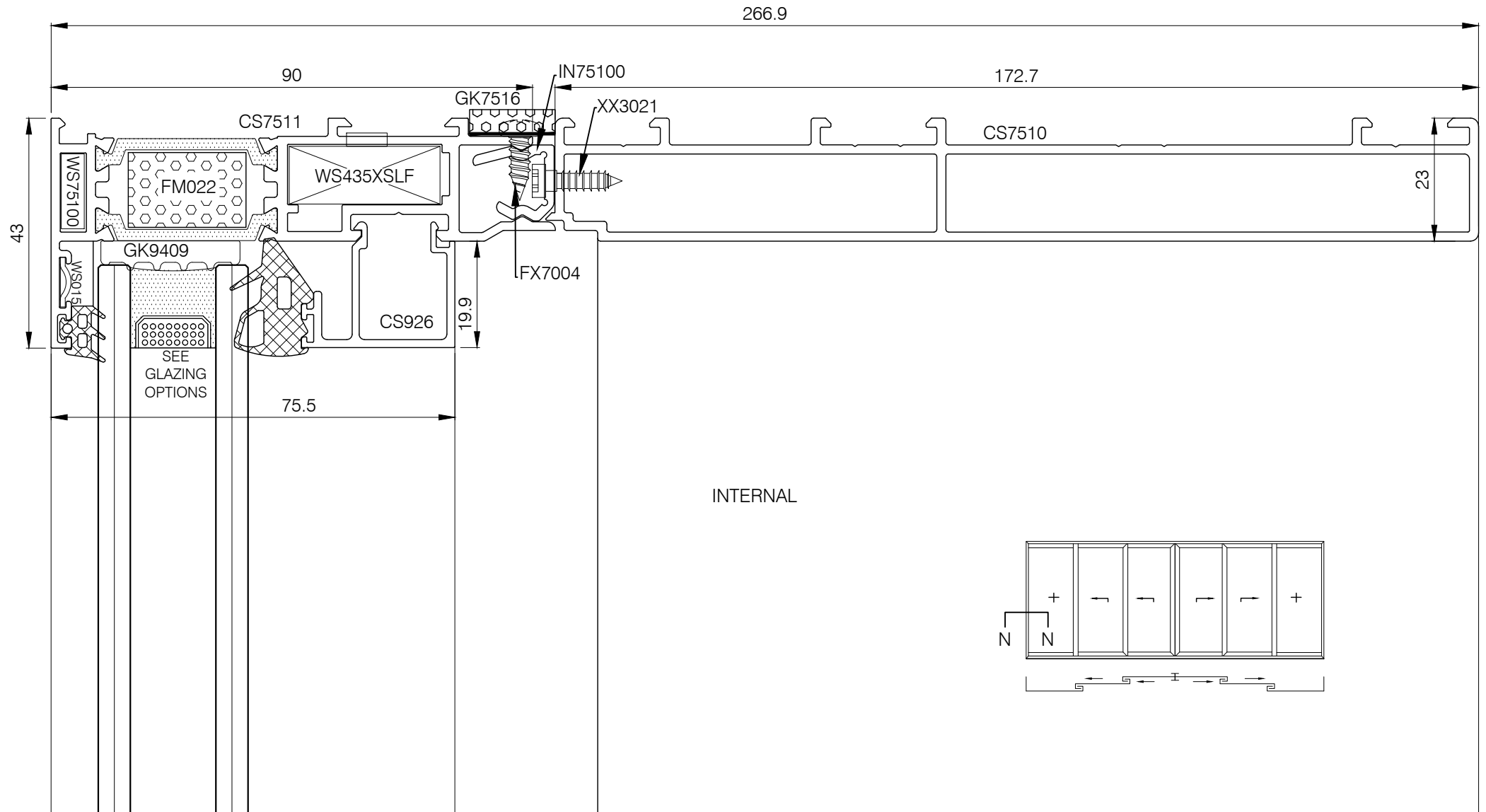


Triple Track
Door Stile
Jamb Detail M

A4 Scale 1:1

R1- 04/12/2019

2.18



comar 7P.i LS+

VIEWS & SECTIONS

2

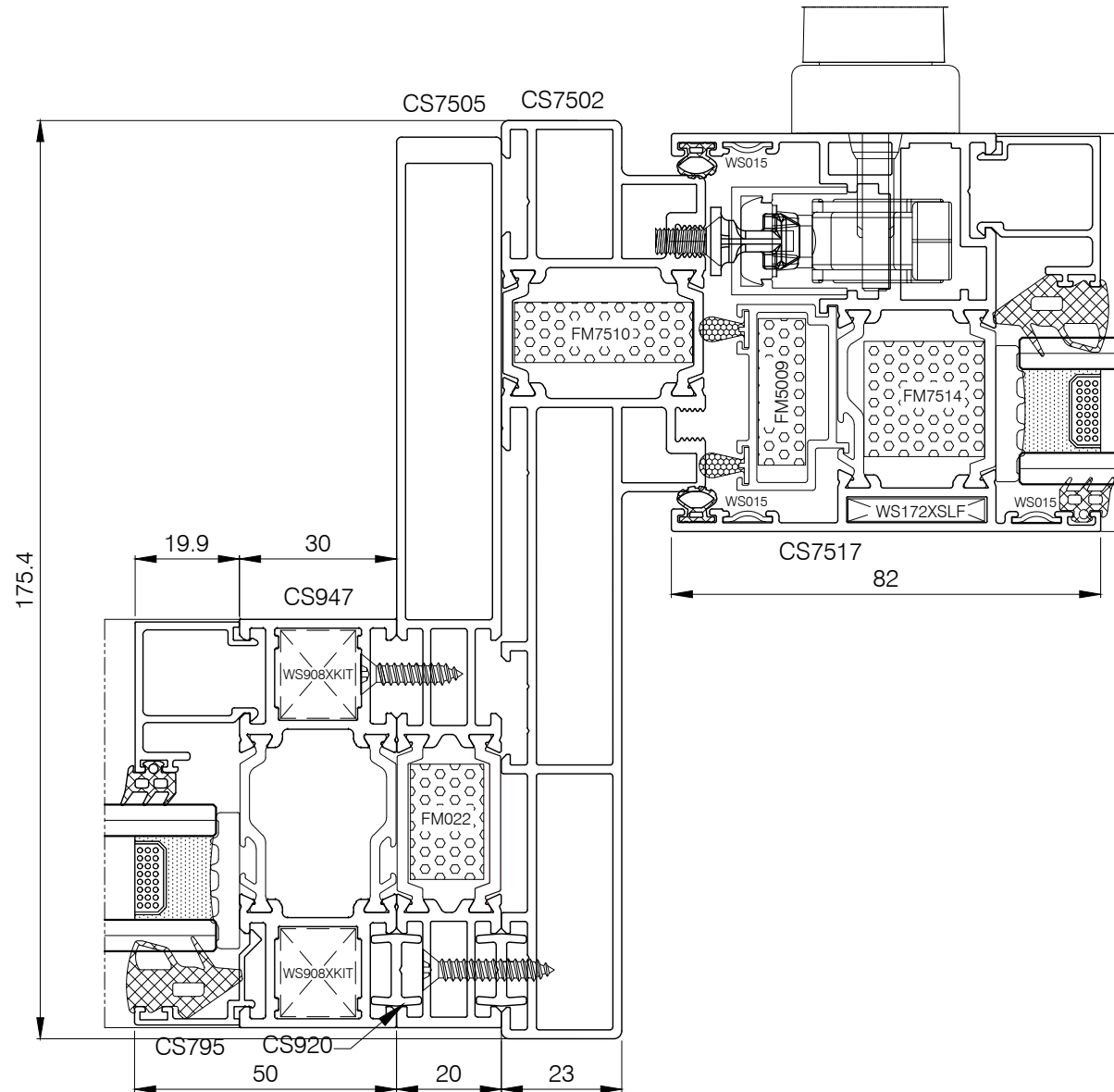
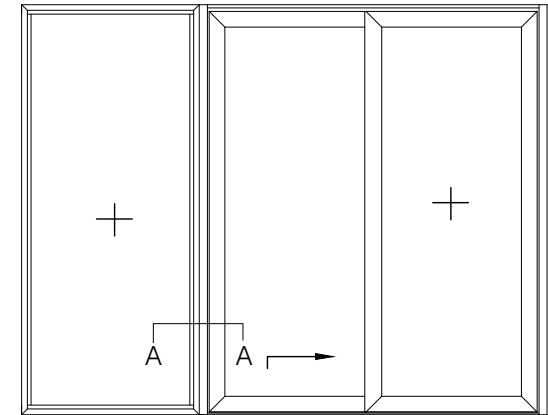


Triple Track Door
Fixed Light Jamb
Section Detail N

A4 Scale 1:1

R2 - 04/12/2019

2.19



comar 7P.iLS+

VIEWS & SECTIONS

2

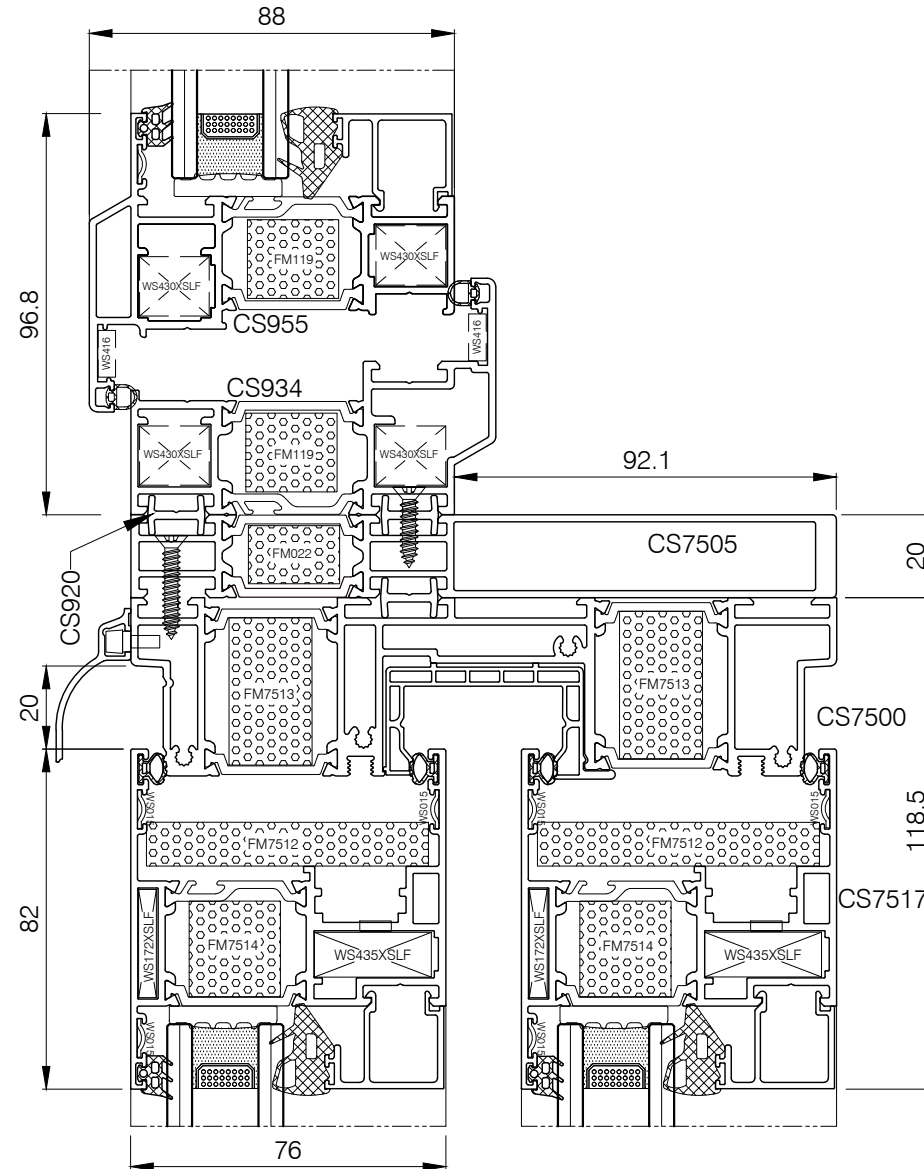
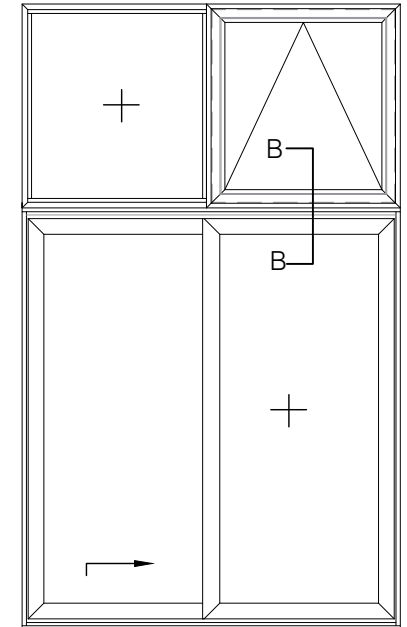


Jamb Coupling Detail
CS7005 With Comar 9Pi

A4 Scale NTS

R0 - 31/10/2017

2.20



comar 7P.iLS+

VIEWS & SECTIONS

2

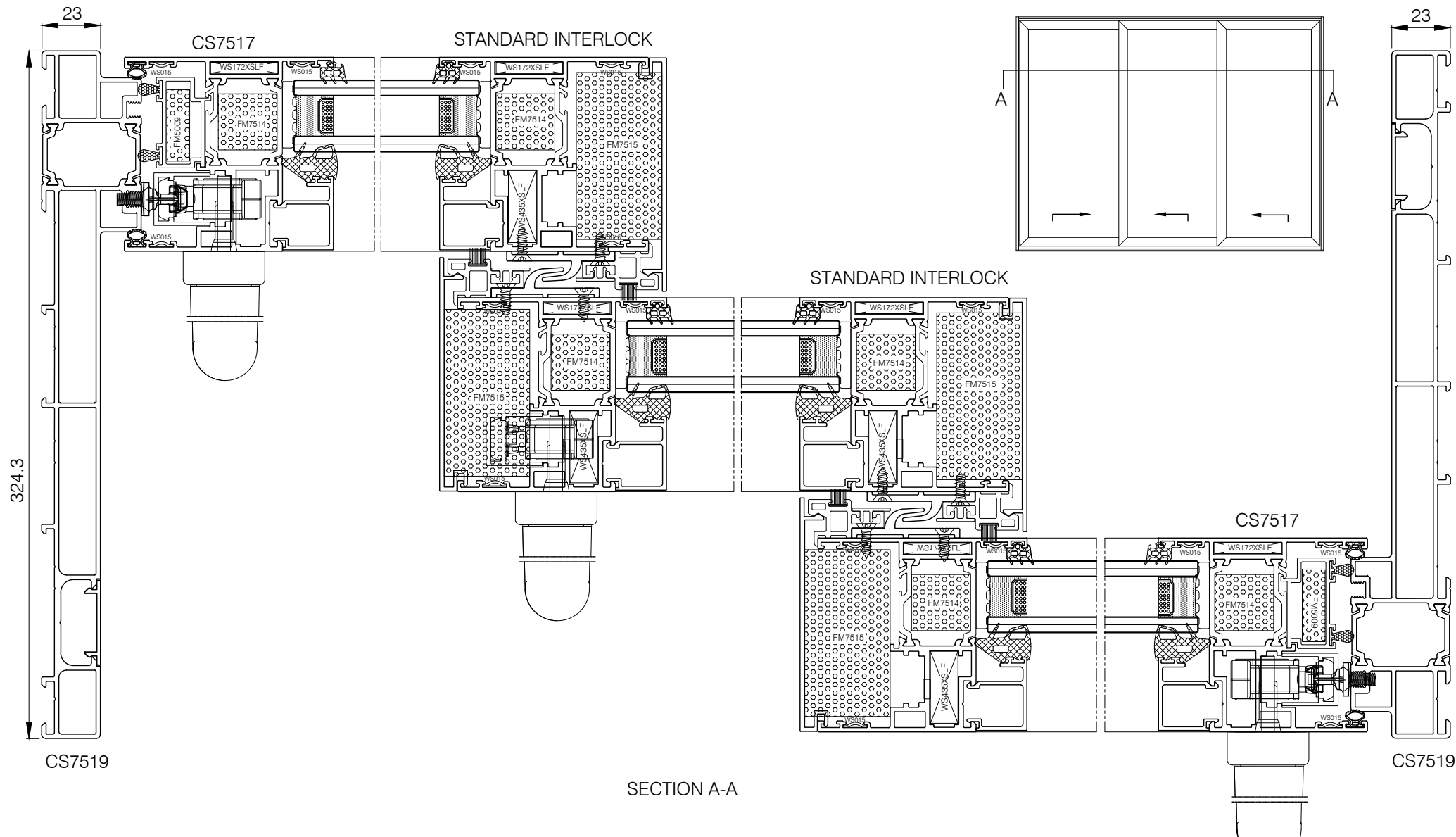


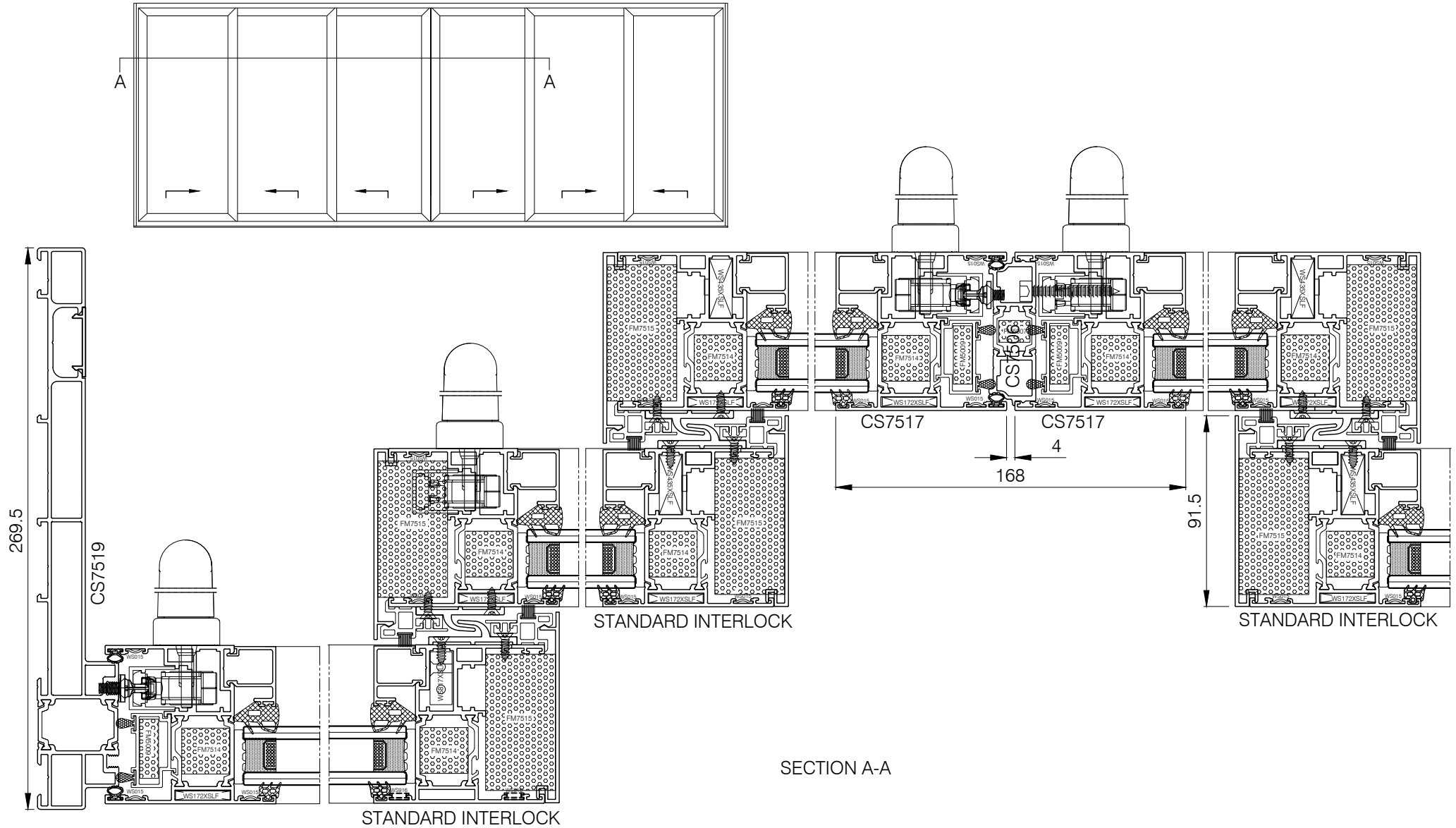
Head Coupling Detail
Comar 9Pi Casement Window

A4 Scale NTS

R0 - 31/10/2017

2.21





SECTION A-A

comar 7P.iLS+

VIEWS & SECTIONS

2

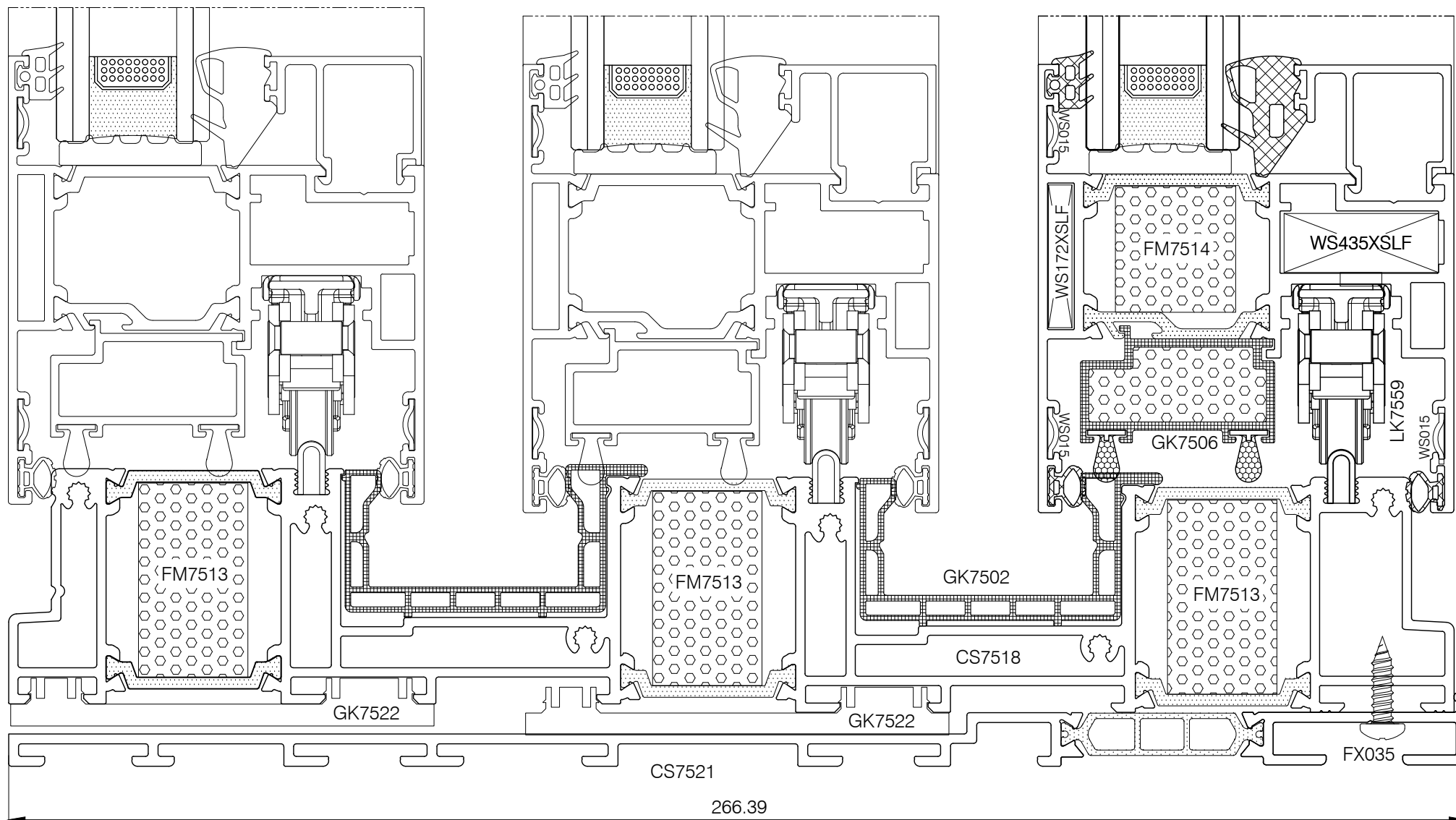


Triple Door
Horizontal Section

A4 Scale NTS

R0 - 04/12/2019

2.23



comar 7P.iLS+

VIEWS & SECTIONS

2

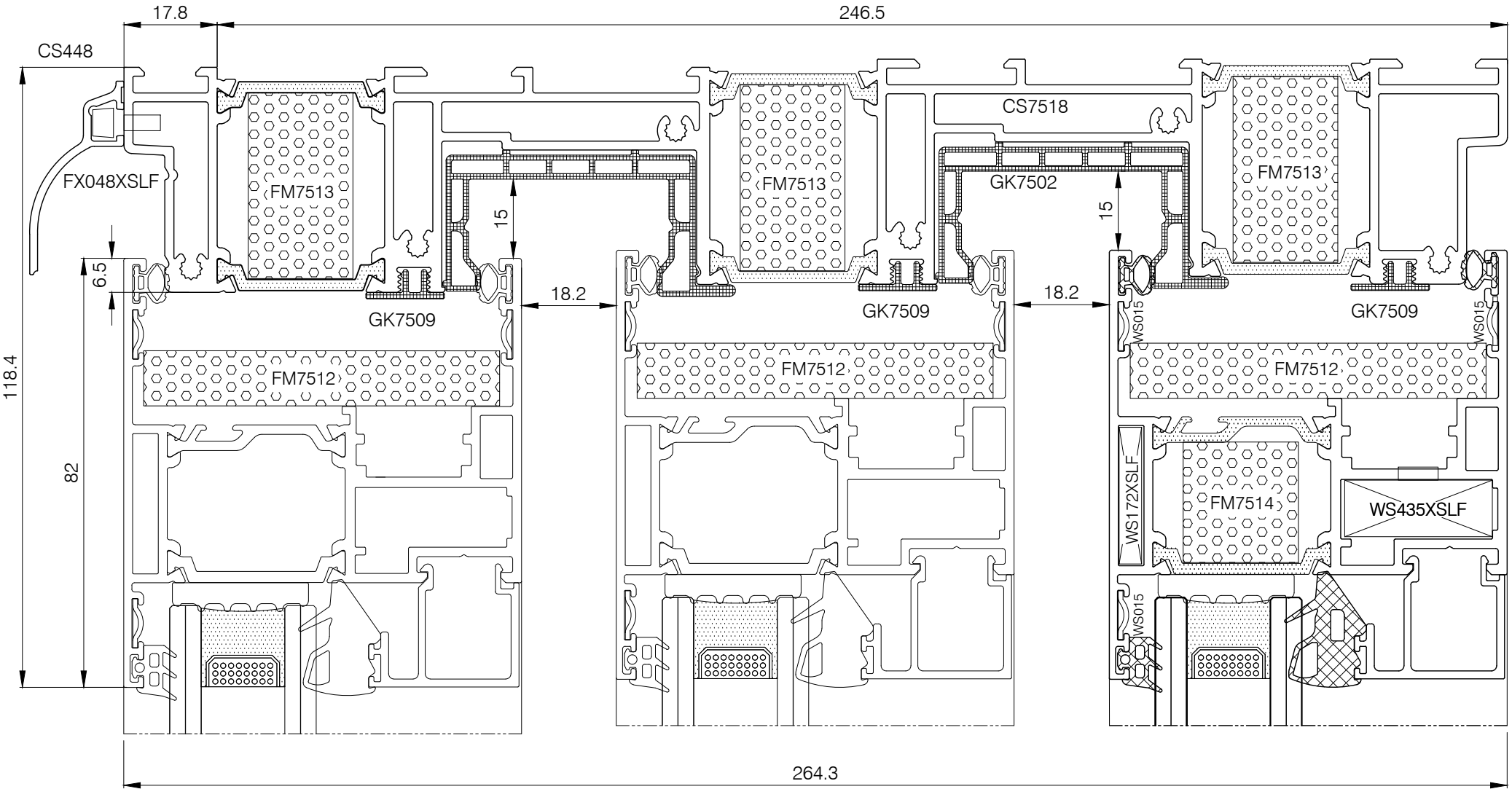


Triple Door
Sill Detail P

A4 Scale 1:1

R0 - 04/12/2019

2.24



comar 7P.i LS+

VIEWS & SECTIONS

2

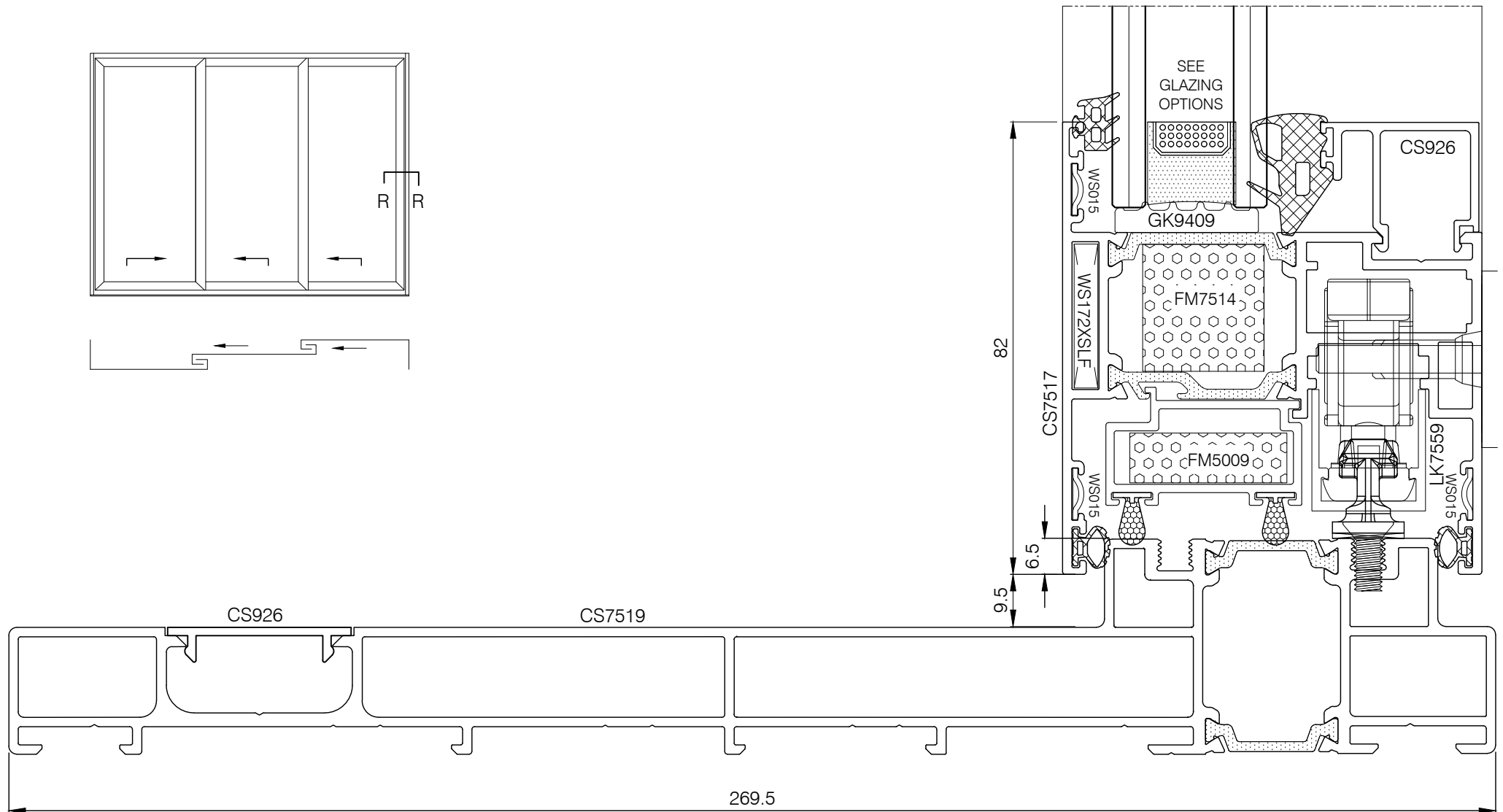


Triple Door
Head Detail Q

A4 Scale NTS

R0 - 04/12/2019

2.25



comar 7P.iLS+

VIEWS & SECTIONS

2

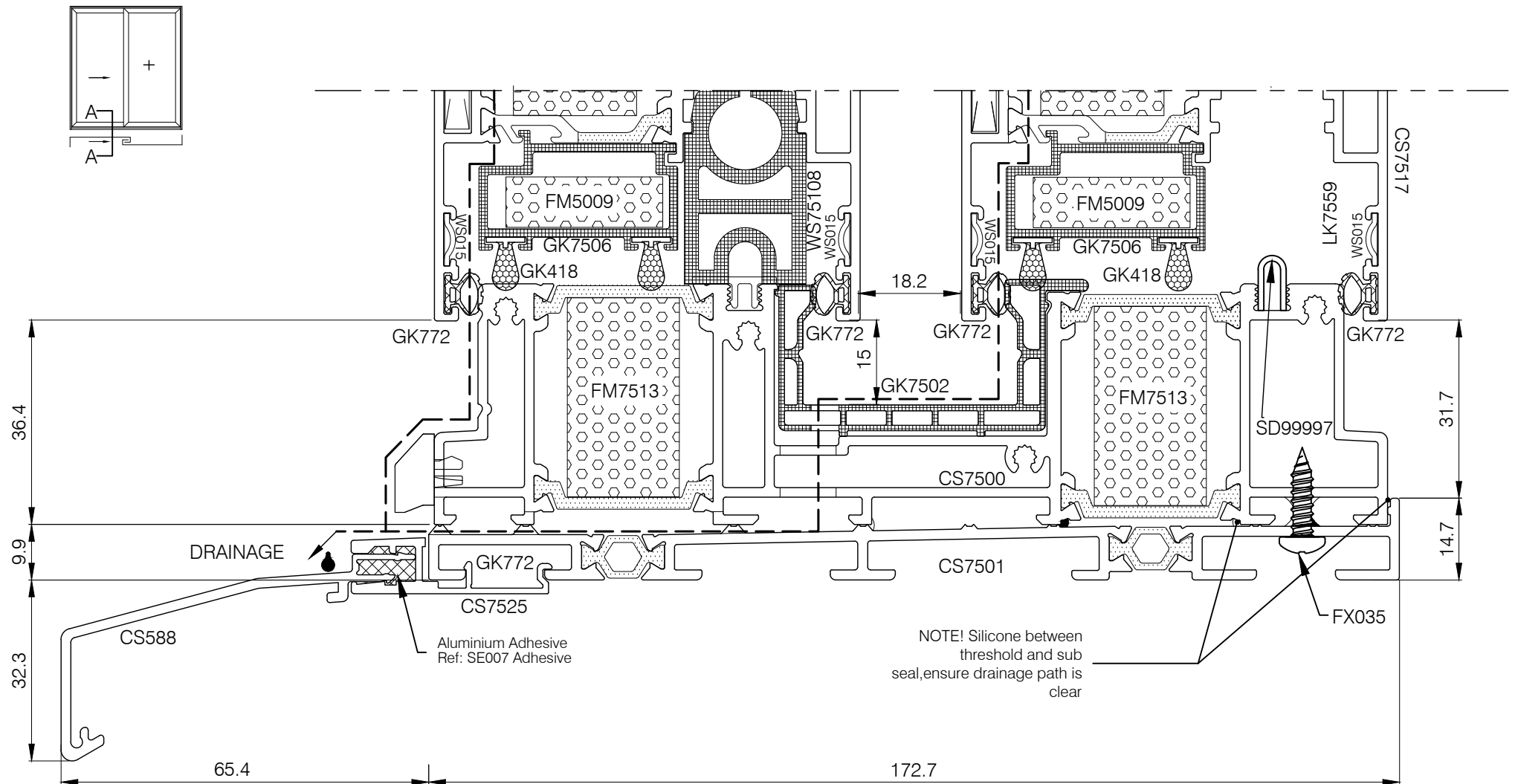


Triple Track
Door Stile
Jamb Detail R

A4 Scale 1:1

R0 - 04/12/2019

2.26



comar 7P.iLS+

VIEWS & SECTIONS

2

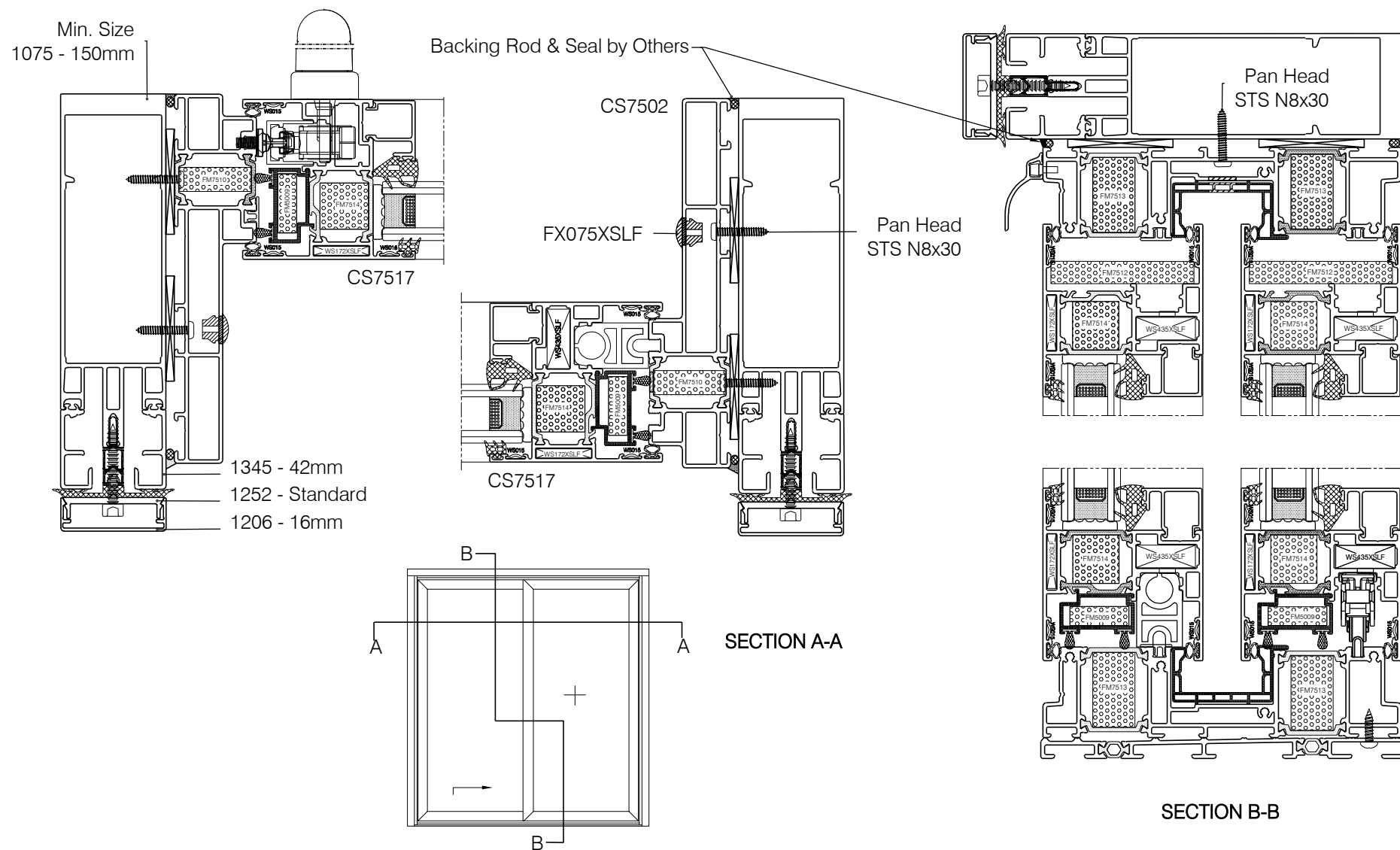


Double Track Door
Sub Sill Nosing
Detail A

A4 Scale 1:1

R0 - 04/12/2019

2.27



CUTTING LISTS

comar 7P.iLS+

CUTTING LIST

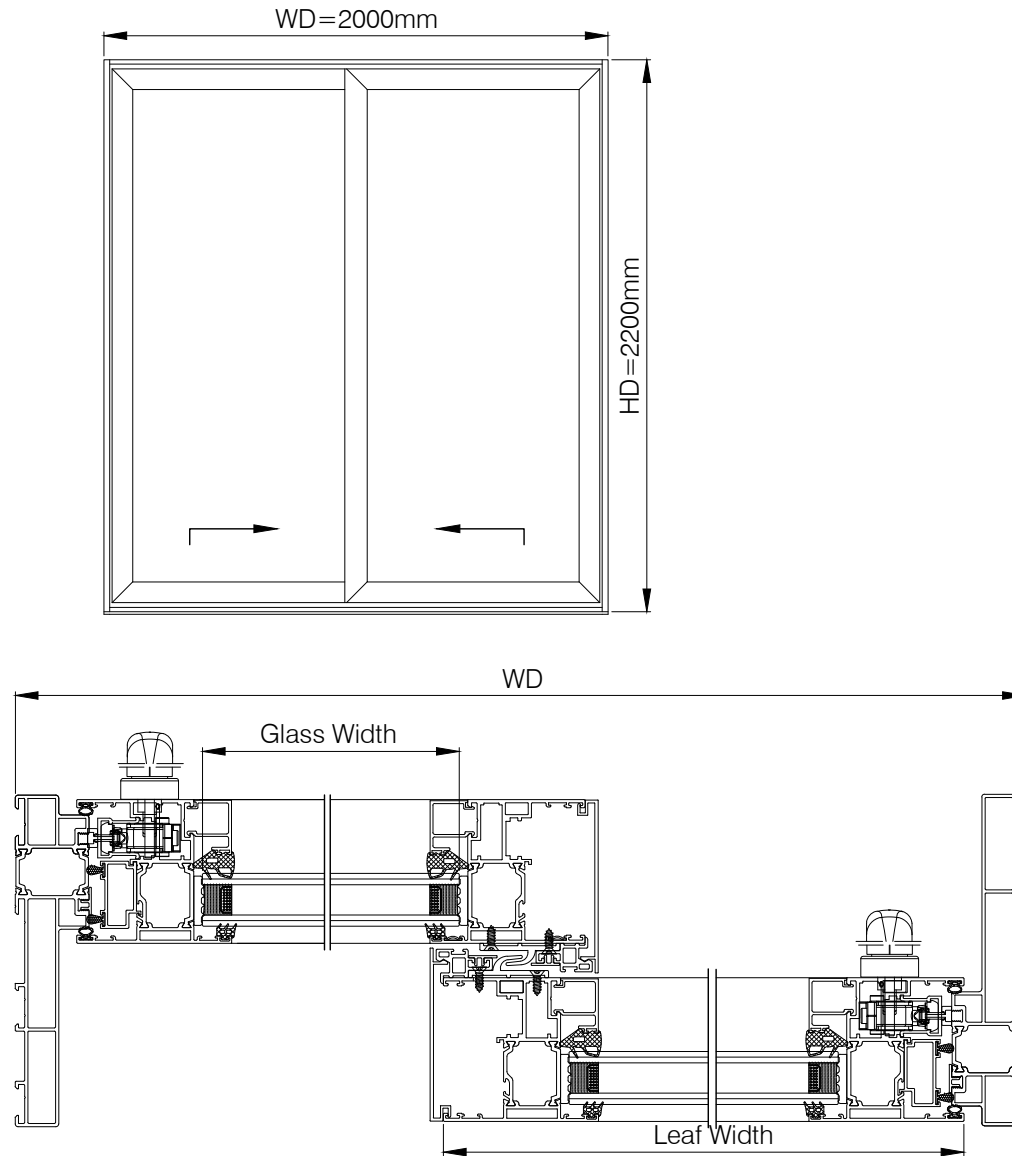
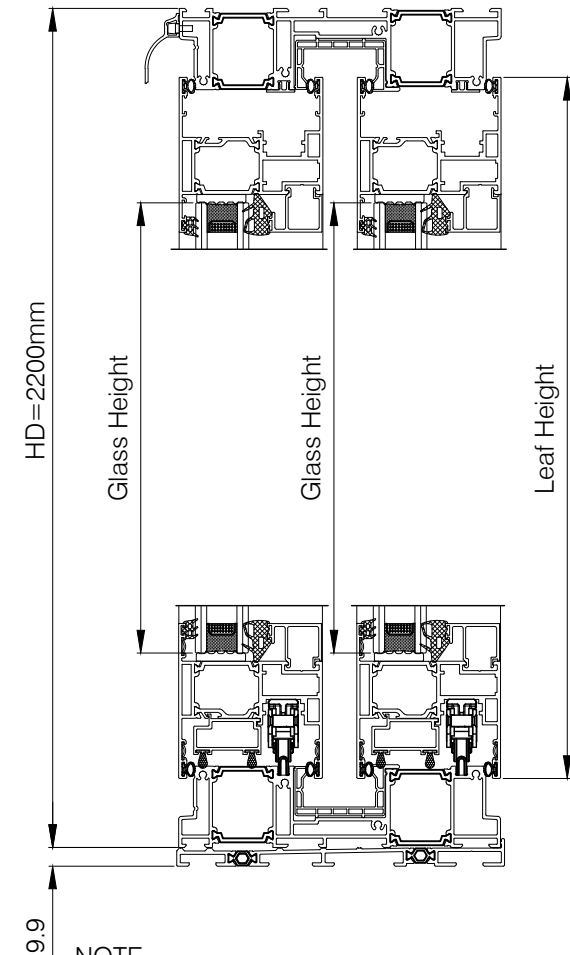
3



Fabrication Details

R0 - 11/10/2017

3.00



NOTE
Sample calculation for 2000mm x 2200mm Door

comar 7P.i LS+

CUTTING LIST

3

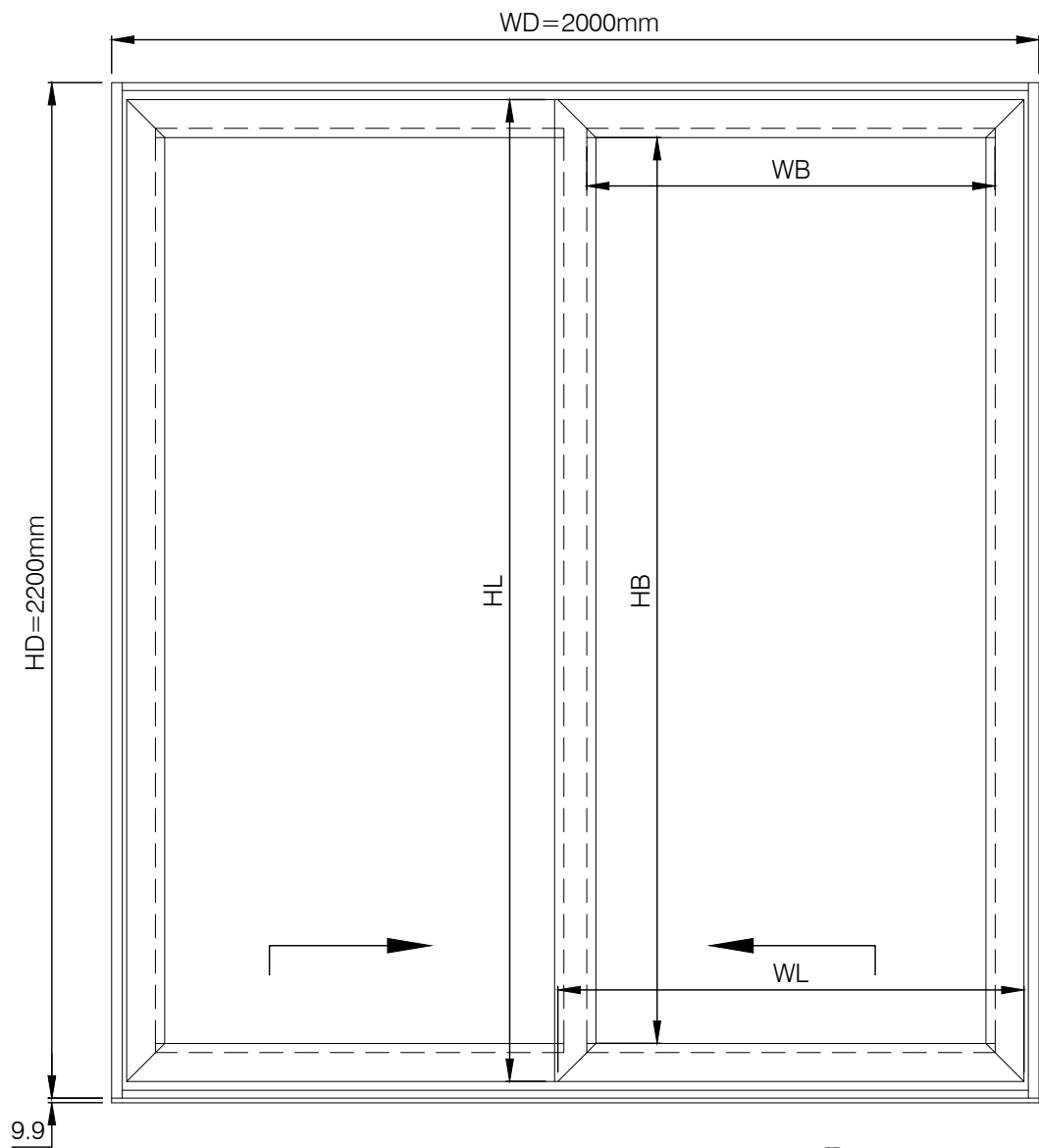


Double Track Door
Standard Interlock
Cutting List

A4 Scale 1:4 - 1:30

R1 - 29/10/2018

3.01



HD= Height Door	WD= Width Door
HL= Height Leaf	WL= Width Leaf
HB= Height Horizontal Bead	WB= Width Vertical Bead
HG= Height Glass	WG= Width Glass

comar 7P.iLS+

CUTTING LIST

3



Double Track Door
Standard Interlock
Cutting List

A4 Scale 1:16

R0 - 31/10/2017

3.02

Example Cutting List for Double Track(WDxHD=2000mmx2200mm) Overall Width =WD Overall Height =HD				QTY	ANGLE
	CS7501		=WD =2000	1	90°
	CS7500		=WD-46 1954=2000-46	2	90°
	CS7502		=HD 2200	2	90°
	CS7517		=HD-73 2127=2200-73	4	45°
	CS7517		=WD/2+5 1005=1000+5	4	45°
	CS7508		=HD-73 2127=2200-73	2	90°
	Horizontal Bead		=WD/2 - 119 881=1000-119	4	90°
	Vertical Bead		=HD-237 1963=2200-237	4	90°
	CS7516		=HD-73 2127=2200-73	2	90°

Max length for aluminium profiles (CS) = 6450mm
Max length for plastic profiles (GK) = 3000mm
Max length for SD99997 = 4200mm

	CS448		=WD =2000	1	90°
	GK7506		=HD-118 2082=2200-118	2	45° 1side
	GK7506		=WD/2-58 942=1000-58	2	45° 1side
	GK7500		=HD-73 2127=2200-73	2	90°
	GK7502		=WD-46 1954=2000-46	2	90°
	GK7509		=WD-62 1938=2000-62	1	90°
	GK7509		=HD-73 2127=2200-73	2	90°
	GK7509		=HD-86 2114=2200-86	2	90°
	SD99997		=WD-46 1954=2000-46	2	90°
			=WD/2-129 871=1000-129 = HD-207 1993=2200-207	2	90°

comar 7P.i LS+

CUTTING LIST

3

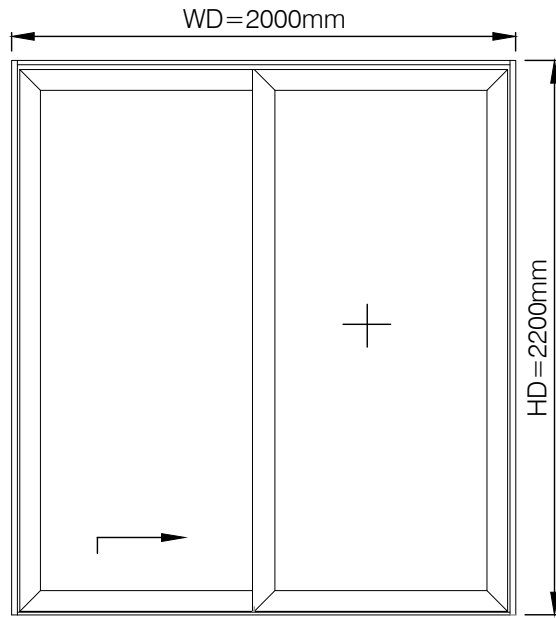
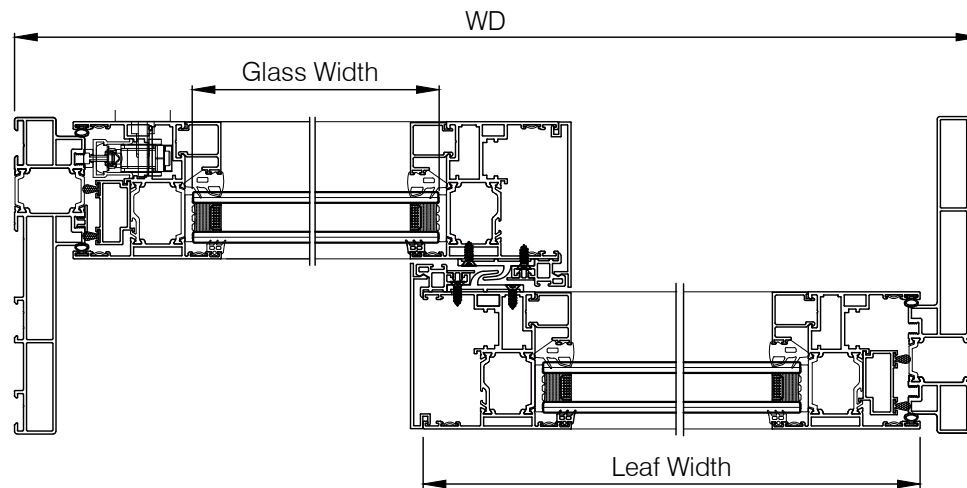
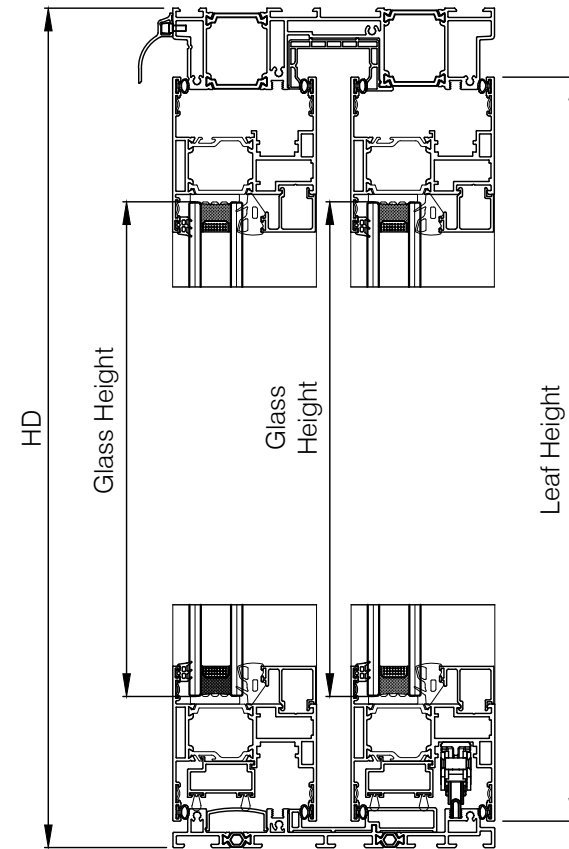


Double Track Door
Standard Interlock
Cutting List

A4 Scale NTS

R2 - 29/11/2018

3.03



NOTE
Sample calculation for 2000mm x 2200mm Door

comar 7P.i LS+

CUTTING LIST

3

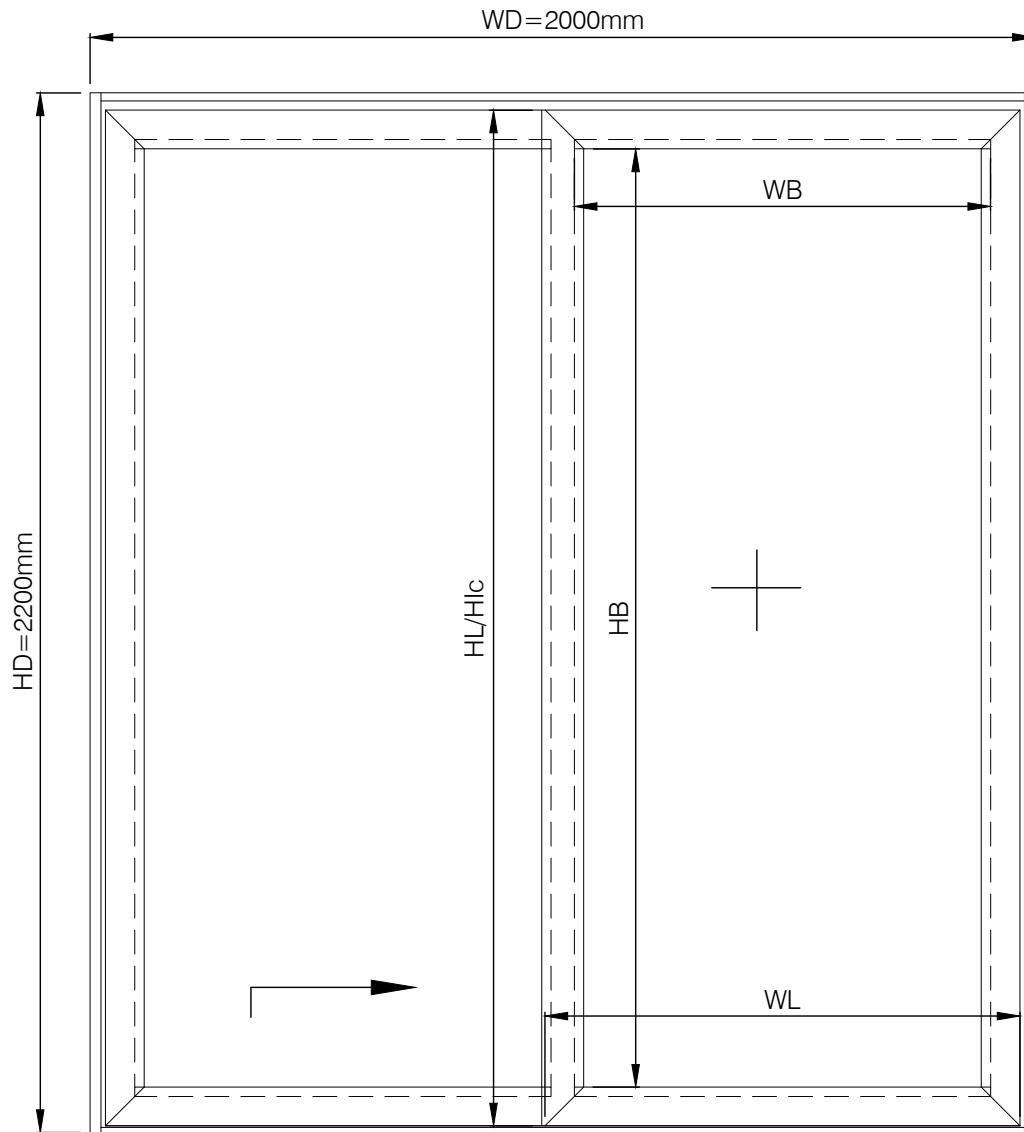


Double Track Door
Low Threshold
Cutting List

A4 Scale 1:4 - 1:30

R0 - 31/10/2017

3.04

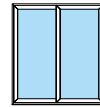


HD= Height Door	WD= Width Door
HL= Height Leaf	WL= Width Leaf
HB= Height Horizontal Bead	WB= Width Vertical Bead
HG= Height Glass	WG= Width Glass

Max length for aluminium profiles (CS) = 6450mm

Max length for plastic profiles (GK) = 3000mm

Max length for SD99997 = 4200mm

Example Cutting List for Double Track Low Threshold (2000mmx2200mm) Overall Width =WD Overall Height =HD		QTY	ANGLE
	WG= WD/2-129	2	90°
	871=1000-129		
	HG= HD-184		
	2016=2200-184		

comar 7P.i LS+

CUTTING LIST

3



Double Track Door
Low Threshold
Cutting List

A4 Scale 1:16

R1 - 29/10/2018

3.05

Example Cutting List for Double Track Low Threshold (2000mmx2200mm) Overall Width =WD Overall Height =HD				QTY	ANGLE
	CS7503		=WD-46 1954=2000-46	1	90°
	CS7500		=WD-46 1954=2000-46	1	90°
	CS7502		=HD =2200	2	90°
	CS7517		=HD-50 2150=2200-50	4	45°
	CS7517		=WD/2+5 1005=1000+5	4	45°
	CS7508		=HD-50 2150=2200-50	2	90°
	Horizontal Bead		=WD/2-119 881=1005-119	4	90°
	Vertical Bead		=HD-214 1986=2200-214	4	90°
	GK7506		=HD-95 2105=2200-95	2	45° 1side
	GK7506		=WD/2-53 947=1000-53	2	45° 1side

	GK7500		=HD-50 2150=2200-50	2	90°
	CS7516		=HD-50 2150=2200-50	2	90°
	GK7509		WD/2 =1005	2	90°
	GK7509		=HD-50 2150=2200-50	2	90°
	GK7509		=HD-63 2137=2200-63	1	90°
	GK7504		=WD-46 1954=2000-46	1	90°
	GK7503		=WD-46 1954=2000-46	1	90°
	GK7502		=WD-46 1954=2000-46	1	90°
	SD99997		=WD-46 1954=2000-46	1	90°
	CS448		=WD =2000	1	90°

comar 7P.i LS+

CUTTING LIST

3

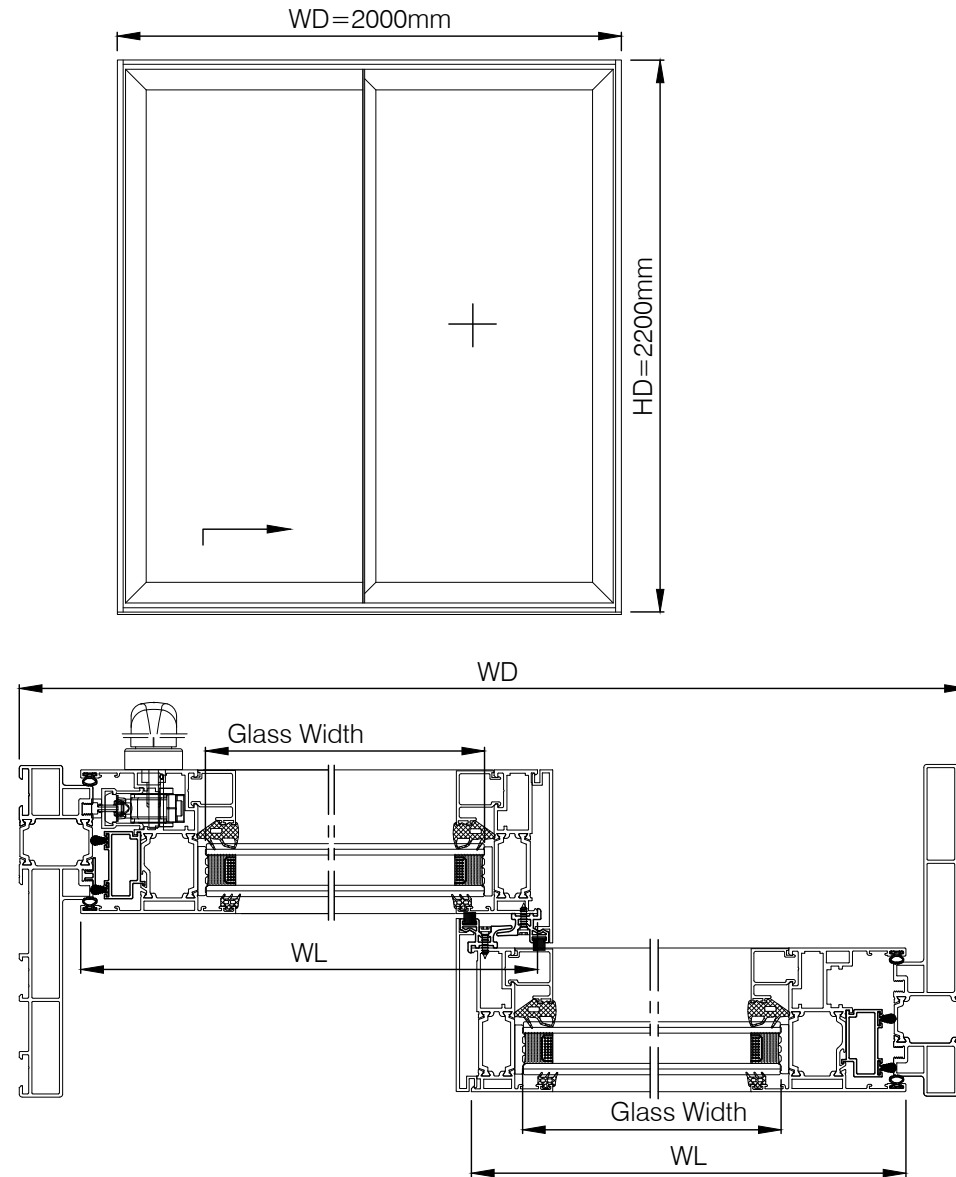
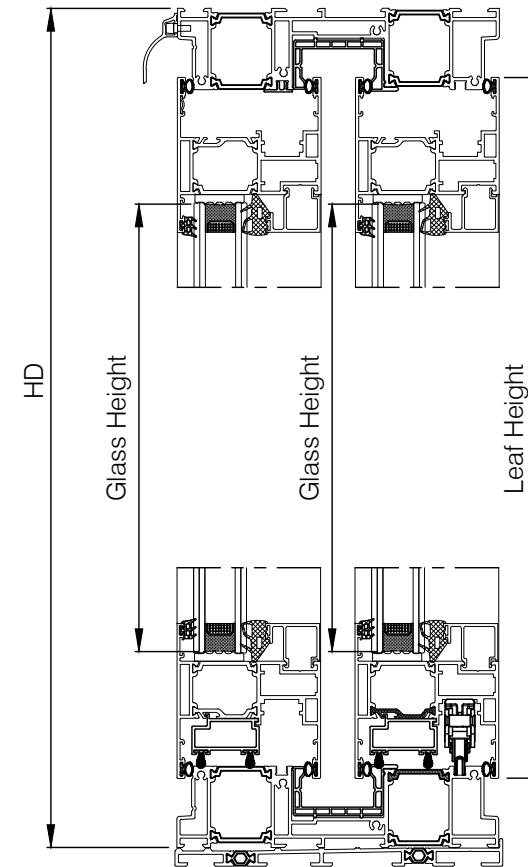


Double Track Door
Low Threshold
Cutting List

A4 Scale NTS

R2 - 29/11/2018

3.06



NOTE
Sample calculation for 2000mm x 2200mm Door

comar 7P.i LS+

CUTTING LIST

3

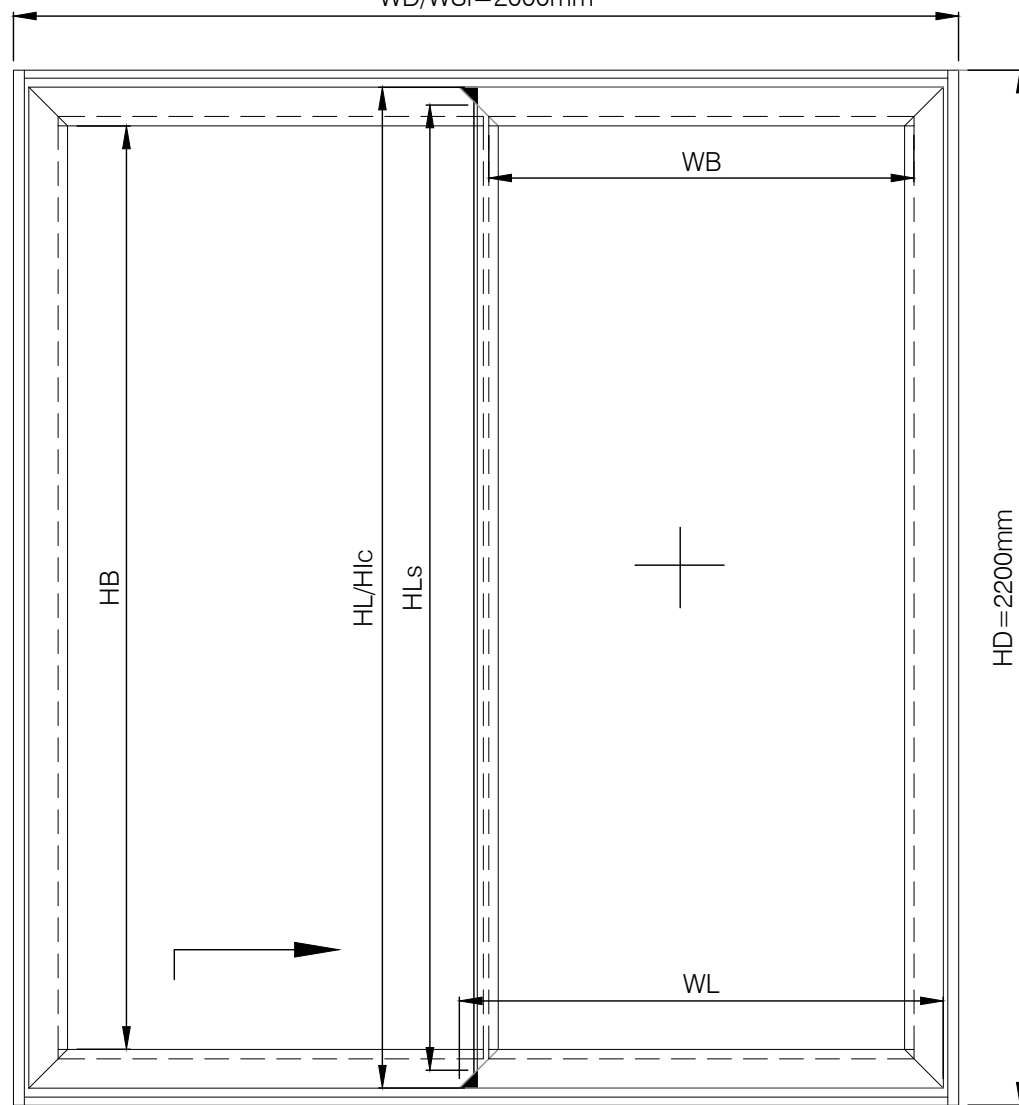

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Double Track Door
Cutting List
Slim Interlock

A4 Scale NTS

R0 - 31/10/2017

3.07



HD= Height Door WD= Width Door	HB= Height Horizontal Bead WB= Width Vertical Bead
WSi= Width Sill	HLb= Height Leaf Box WLb= Width Leaf Box
WT= Width Track	WSI= Width S/S Track Insert
HJ= Height Jamb	WTI= Width Track Insert HTc= Height Jamb & Interlock Cover
HL= Height Leaf WL= Width Leaf	WTI= Width Track Insert
HLs= Height Slim Leaf Interlock	HG= Height Glass WG= Width Glass
Hlc= Width Interlock closure	WDR= Width Drip

comar 7P.iLS+

CUTTING LIST

3



Double Track Door
Cutting List
Slim Interlock

A4 Scale 1:16

R0 - 31/10/2017

3.08

Example Cutting List for Double Track Slim Interlock(2000mmx2200mm) Overall Width =WD Overall Height =HD				QTY	ANGLE
	CS7501		WSi=WD WSi=2000	1	90°
	CS7500		WT=WD-46 1954=2000-46	2	90°
	CS7502		HJ=HD 2200	2	90°
	CS7517		HL=HD-73 2127=2200-73	2	45°
	CS7517		WL=WD/2+24 1024=1000+24	4	45°
	CS7507		HLi=HD-151 2049=2200-151	2	45°
	CS7508		Hlc=HL Hlc=2127	2	90°
	Horizontal Bead		WB=WL-125 899=1024-125	4	90°
	Vertical Bead		HB=HL-164 1963=2127-164	4	90°

	GK7506		HLb=HL-45 2082=2127-45	2	45° 1side
	GK7506		WLb=WL-95 929=1024-95	2	45° 1side
	GK7501		HSIL=HL 2127	2	90°
	GK7502		WR=WD-46=WT WR=1954	2	90°
	GK7509		WTC=WD/2 1005	2	90°
	GK7509		HTc=HD-86 2114=2200-86	1	90°
	SD99997		WTi=WD-46 WTi=1954	1	90°
	CS448		=WD DR=2000	1	90°
			WG= WL-134 890=1024-134 HG= HL-134 1993=2127-134	2	90°

comar 7P.i LS+

CUTTING LIST

3

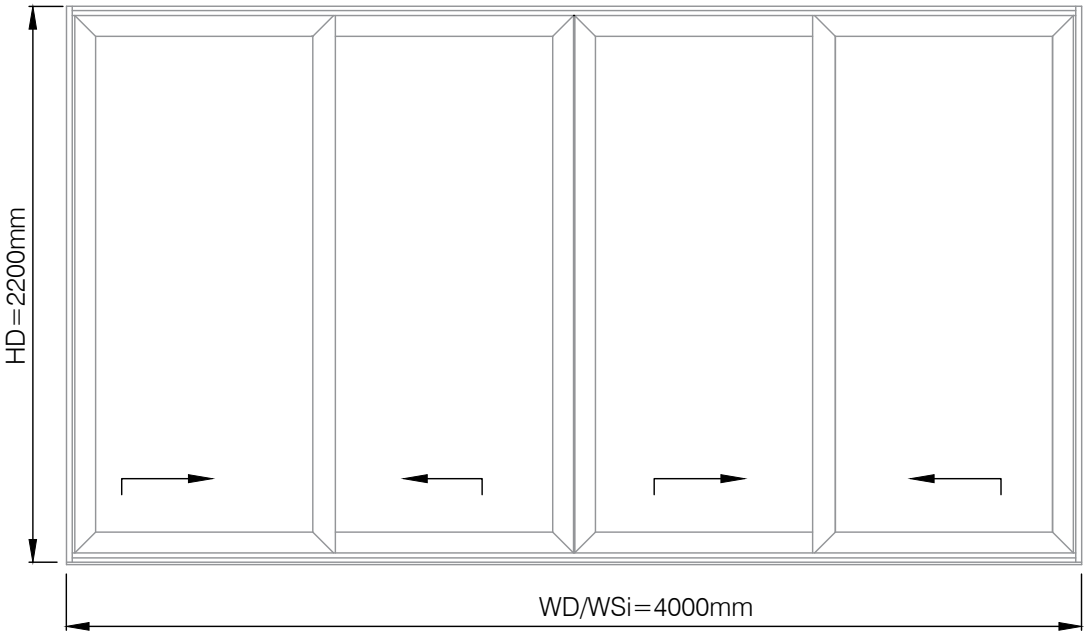


Double Track Door
Cutting List
Slim Interlock

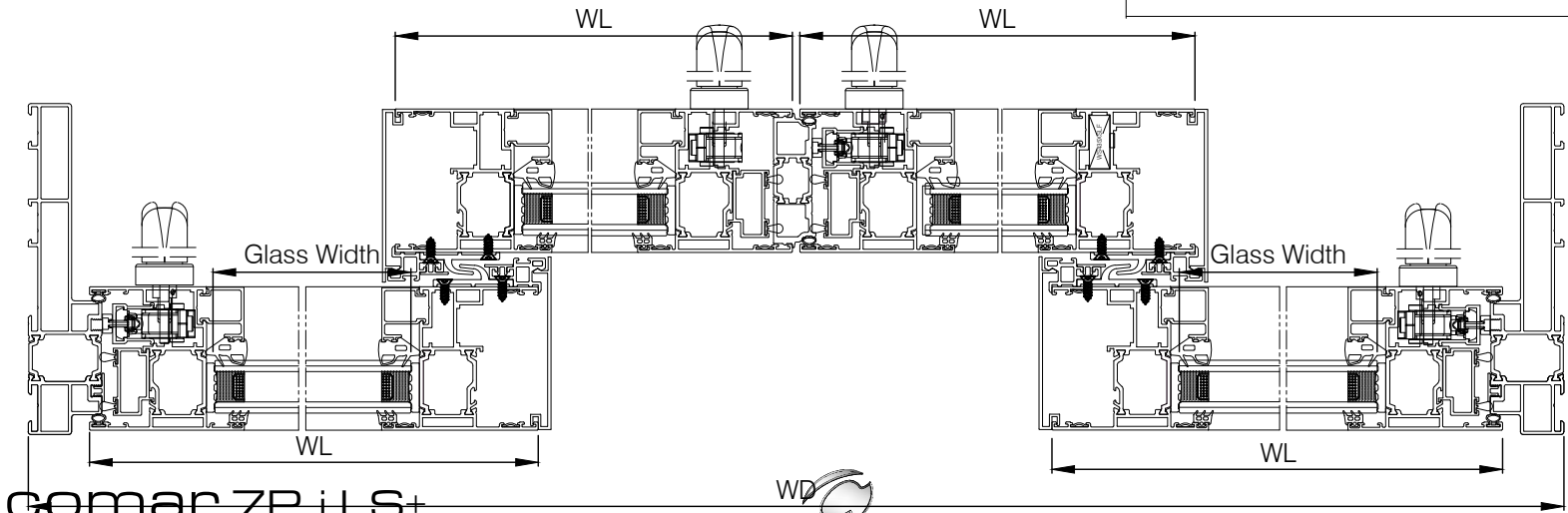
A4 Scale NTS

R2 - 29/11/2018

3.09



HD= Height Door WD= Width Door	HLb= Height Leaf Box WLb= Width Leaf Box
WSi= Width Sill	HLI= Height Leaf Interlock
WT= Width Track	HIL= Height Interlock
HJ= Height Jamb	WR= Width Insert Rail
HL= Height Leaf WL= Width Leaf	WTC= Width Track Cover HTC= Width Jamb & Interlock Cover
Hlc= Width Interlock closure	WTI= Width Track Insert
HB= Height Horizontal Bead WB= Width Vertical Bead	HG= Height Glass WG= Width Glass
HLs= Height Locking Insert	WDR= Width Drip



comar 7P.iLS+



Double Track Four Leaf Door
With Locking Insert
Cutting List

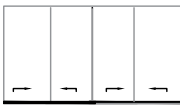
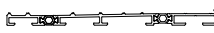
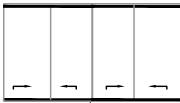
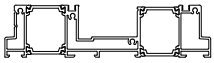
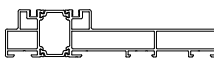
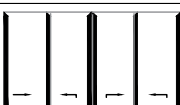
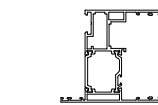
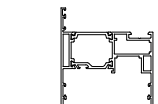
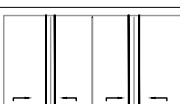
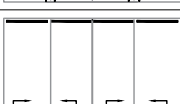
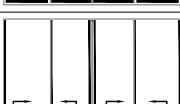
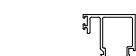
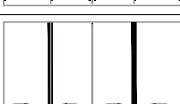
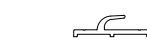
A4 Scale NTS

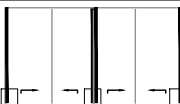
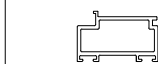
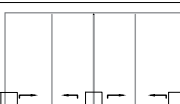
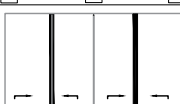
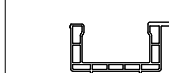
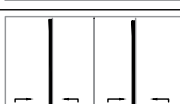
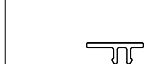
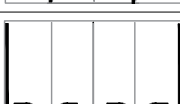
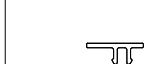
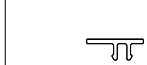
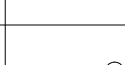
R0 - 31/10/2017

CUTTING LIST

3

3.10

Example Cutting List for Double Track Four Leaf (4000mmx2200mm)				QTY	ANGLE
Overall Width =WD Overall Height =HD					
	CS7501		WSi=WD WSi=4000	1	90°
	CS7500		WT=WD-46 3954=4000-46	2	90°
	CS7502		HJ=HD 2200	2	90°
	CS7517		HL=HD-73 2127=2200-73	8	45°
	CS7517		WL=WD/4+20 1020=1000+20	8	45°
	CS7508		Hlc=HL Hlc=2127	4	90°
	Horizontal Bead		WB=WL-124 896=1020-124	8	90°
	Vertical Bead		HB=HL-164 1963=2127-164	4	90°
	CS7516		HIL=HL-8 2119=2127-8	4	90°
	CS7506		HLs=HL-36 2091=2127-36	1	90°

	CS448		WDR=WD =4000	1	90°
	GK7506		HLb=HL-45 2082=2127-45	4	45° 1side
	GK7506		WLb=WL-63 957=1020-63	4	45° 1side
	GK7500		HLi=HL-8 2119=2127-8	4	90°
	GK7502		WR=WD-46=WT WR=3954	2	90°
	GK7509		HIC=HL-8=HLi 2119=2127-8	4	90°
	GK7509		HJC=HJ-86 2114=2200-86	2	90°
	GK7509		WIC=WD- 78 3922=2200-78	1	90°
	SD99997		WTi=WD-46 WTi=3954	2	90°
			WG= WL-134 886=1020-134 HG= HL-134 1993=2127-134	4	90°

comar 7P.i LS+

CUTTING LIST

3

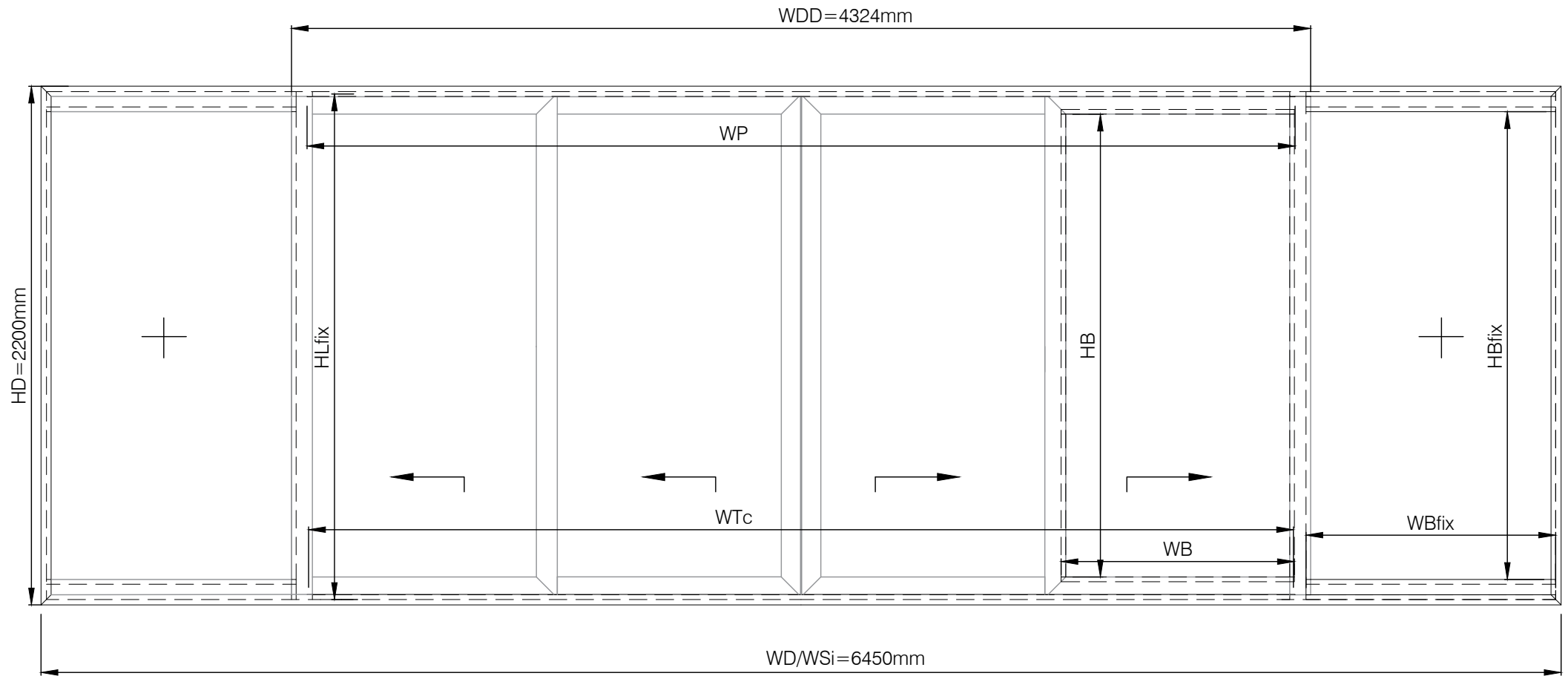


Double Track Four Leaf Door
With Locking Insert
Cutting List

A4 Scale NTS

R1 - 31/10/2018

3.11



comar 7P.i LS+

CUTTING LIST

3

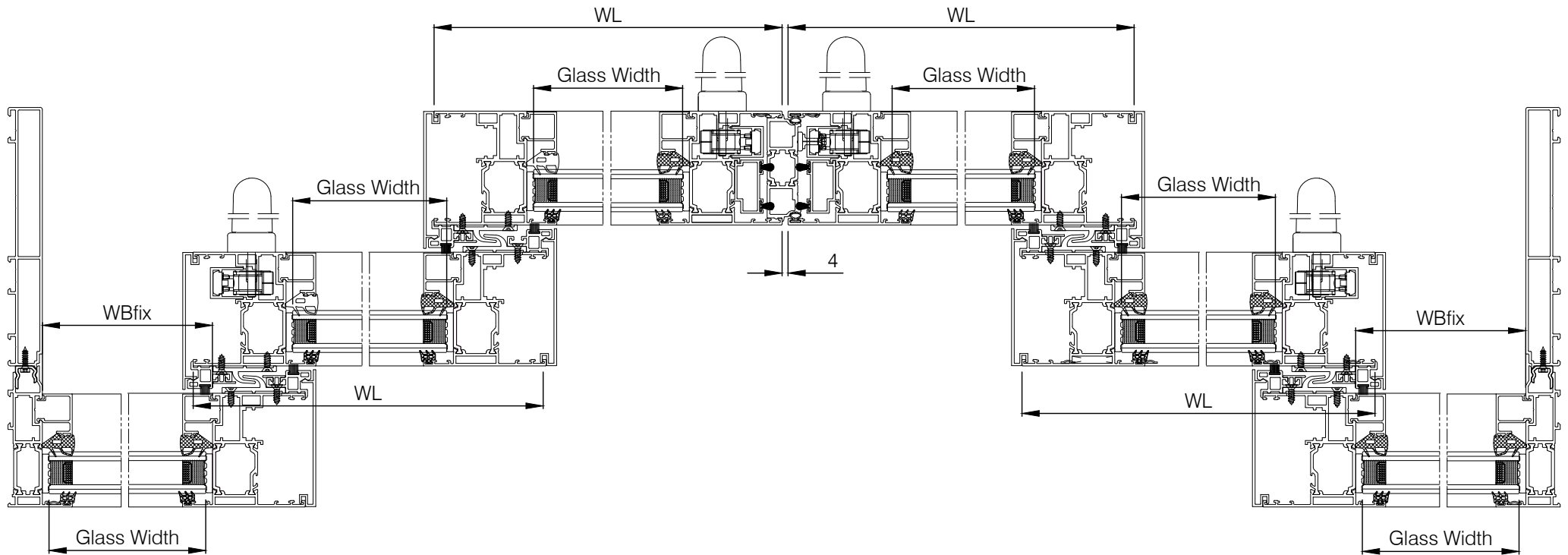


Triple Track Door
Cutting List

A4 Scale NTS

R1 - 18/10/2018

3.12



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, always check your glazing dimensions and trial the glass size formula before proceeding with any bulk orders.

comar 7P.iLS+

CUTTING LIST

3



Triple Track Door
Cutting List

A4 Scale NTS

R1 - 18/10/2018

3.13

Example Cutting List for Triple Track Door (6450mmx2200mm) Overall Width =WD Overall Height = HD Double Door=WDD				QTY	ANGLE
	CS7513		WSi=WD WSi=6450	1	90°
	CS7500		WT=WD-46 6404=6450-46	2	90°
	CS7510		HTJ=HD 2200	2	90°
	CS7517		HL=HD-73 2127=2200-73	8	45°
	CS7517		HLFix=HD-46 2154=2200-46	2	90°
	CS7517		WL=WDD/4+33 1114=1081+33	8	45°
	CS7511		WF=WD=WSi WF=6450	2	45°
	CS7511		HF=HD 2200	2	45°
	CS7506		LI=HL-36 2091=2127-36	1	90°
	CS7516		HIL=HL 2127	8	90°

	Horizontal Bead		WB=WL-125 989=1114-125	8	90°
	Horizontal Bead		WBfix=(WD-WDD)/2 -4 1059=1063-4	4	90°
	Vertical Bead		HB=HL-164 1963=2127-164	8	90°
	Vertical Bead		HBfix=HLfix-170 1984=2154-170	4	90°
	CS7514		WP=WDD-132 4192=4324-132	1	90°
	CS7520		WTc=WDD-132 4192=4324-132	1	90°
	CS7508		Hlc=HL Hlc=2127	6	90°
	CS7508		Hlcfix=HLfix-43 2111=2154-43	2	90°
	CS7522		WFT=WBfix 1059	4	90°
	CS920		WHC=WBfix-40 1019	4	90°

comar 7P.i LS+

CUTTING LIST

3



Triple Track Door
Cutting List

A4 Scale NTS

R2 - 29/11/2018

3.14

	GK7506		HLb=HL-45 2082=2127-45	2	45° 1side
	GK7506		WLb=WL-50 1064=1114-50	4	45° 1side
	GK7506		WLb=WL-90 1024=1114-90	4	45° 1side
	GK7507		WTF=WBfix 1067	4	90°
	GK7508		WGC=WLx2-160 2060=1110x2-160	2	90°
	GK7509		WIC=WD-46 6404=6450-46	1	90°
	GK7509		HIC=HLi=HL 2127	8	90°
	GK7502		WTi=WT 6404	2	90°

	GK7500		HLi=HL 2127	8	90°
	Pi430000		WPS=WP-50 1875 WPS=WHC 1019	1 2	90°
	CS448		WDR=WD 6450	1	90°
	SD99997		WSI=WT=WD-46 6404=6450-46	2	90°
			WG= WL-134 HG= HL-134	4	90°
			WGFix= (WD-WDD)/2-13 HGFix= HF-186	2	90°

WT= Width Track	HLb= Height Leaf Box WLb= Width Leaf Box
HJ= Height Triple Track Jamb	WP= Width Triple Track Protector
HL= Height Leaf WL= Width Leaf	Hlc= Width Interlock closure
HLfix= Height Leaf fix	WTc= Width Triple Track Cover (head)
HF= Height Vertical Frame WF= Width Horizontal Frame	WSI= Width S/S Track Insert
LI= Locking Insert	WTi= Width Track Insert
HIL= Height Interlock	HG= Height Glass WG= Width Glass
HB= Height Horizontal Bead WB= Width Vertical Bead	WDR= Width Drip

HD= Height Door WD= Width Door	HBfix= Height Horizontal Bead Frame WBfix= Width Vertical Bead Frame
WSi= Width Sill	HLi= Height Leaf Interlock

comar 7P.i LS+

CUTTING LIST

3

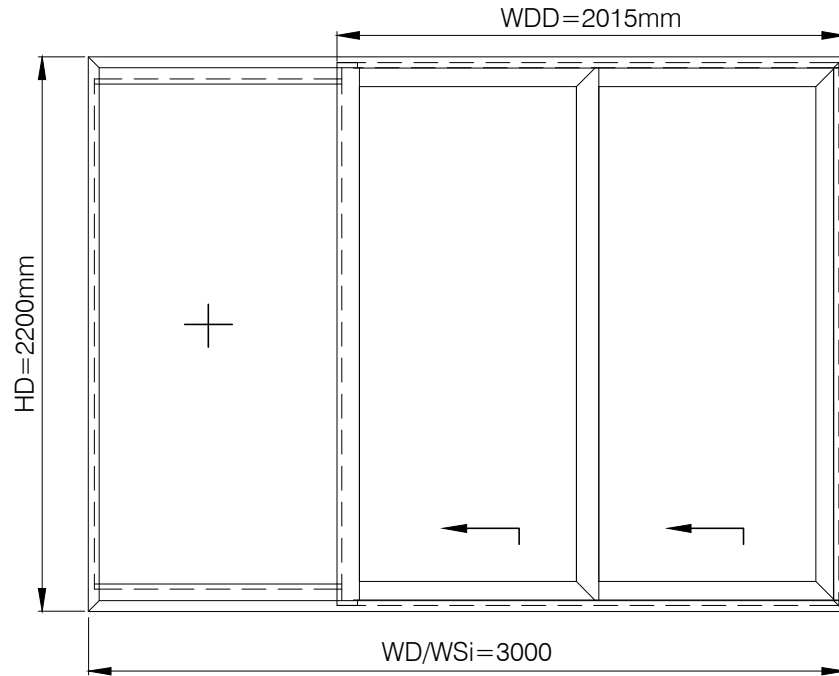
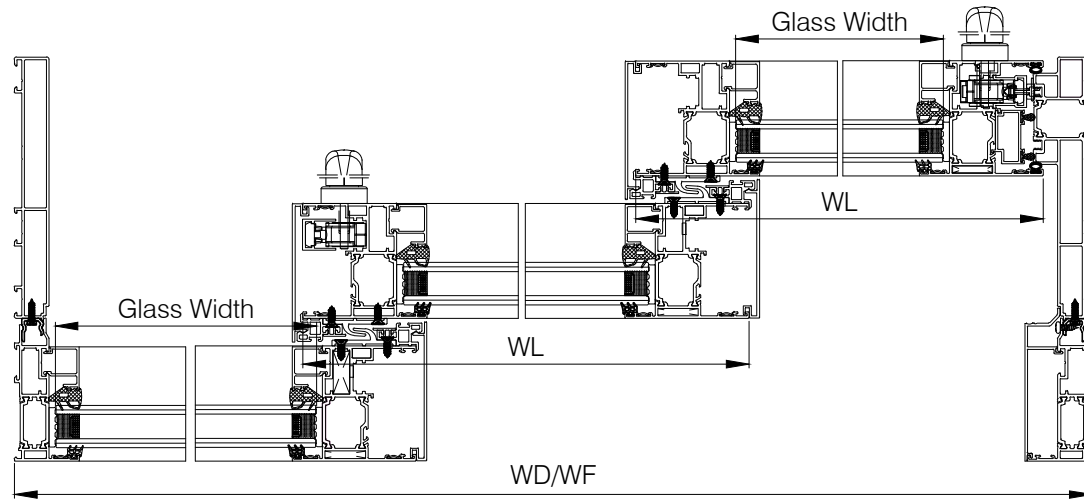
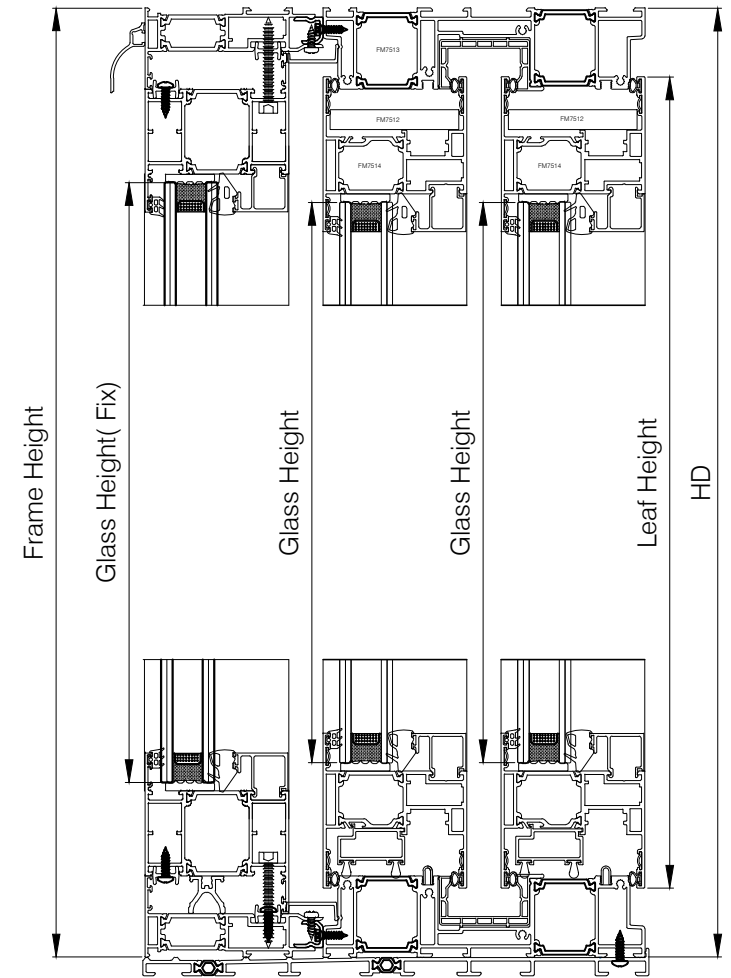


Triple Track Door
Cutting List

A4 Scale NTS

R2 - 29/11/2018

3.15



NOTE
Sample calculation for 3000mm x 2200mm
Frame.

comar 7P.i LS+

CUTTING LIST

3

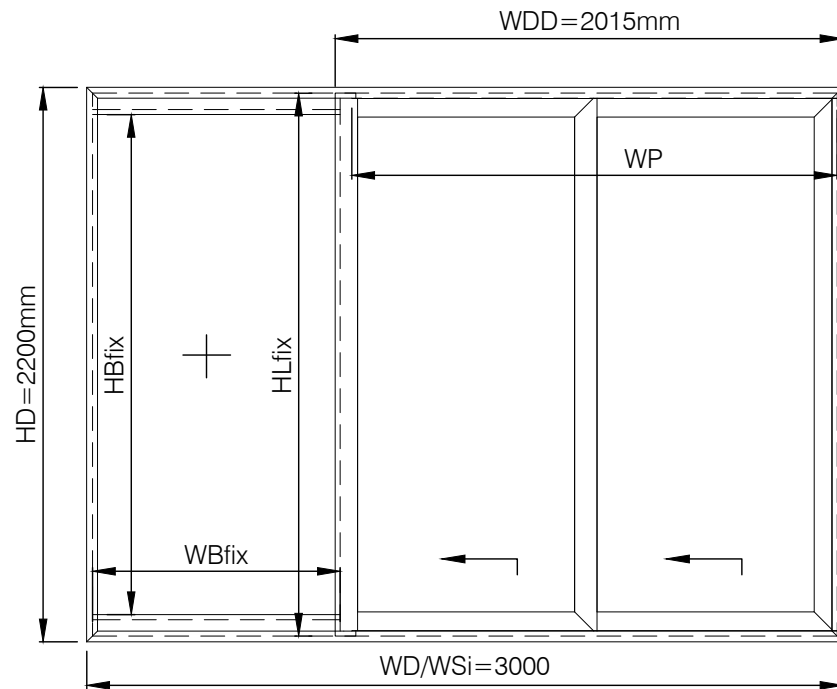


Triple Track Door
One way
Cutting List

A4 Scale 1:4

R2 - 27/11/2018

3.16



HD= Height Door WD= Width Door	WJC= Width Jamb Cover
WDD= Width Double Leaf Door	HIC= Height Interlock Closure
WSi= Width Sill	HICfix= Height Interlock Closure-Mullion
WT= Width Track	WFT= Width Fixed Light Transom

HJ= Height Jamb	WHC= Width 'H' Coupler
HTJ= Height Triple Track Jamb	HLI= Height Leaf Interlock
HL= Height Leaf WL= Width Leaf	HLb= Height Leaf Box WLb= Width Leaf Box
HLfix= Height Leaf Fix	WTF= Width Track Cover - Fix Side
HF= Height Vertical Frame WF= Width Horizontal Frame	WGC= Width Gap Cover
HIL= Height Interlock	WIC= Width Track Cover HIC= Height Interlock Cover
HB= Height Horizontal Bead WB= Width Vertical Bead	WTI= Width Track Insert
HBfix= Height Horizontal Bead Frame WBfix= Width Vertical Bead Frame	WSI= Width S/S Track Insert
WP= Width Triple Track Protector	WPS= Width Track Protector Support
WPH= Width Triple Track Protector (head)	WDR= Width Drip
HJP= Width Triple Track Protector (head)	HG= Height Glass WG= Width Glass

comar 7P.i LS+

CUTTING LIST

3



Triple Track Door
One Way
Cutting List

A4 Scale NTS

R1 - 17/10/2018

3.17

Example Cutting List for Triple Track Door (3000mmx2200mm) Overall Width =WD Overall Height =HD			QTY	ANGLE
	CS7513	WSi=WD WSi=3000	1	90°
	CS7500	WT=WD-46 2954=3000-46	2	90°
	CS7509	HJ=HD =2200	1	90°
	CS7510	HJ=HD =2200	1	90°
	CS7517	HL=HD-73 2127=2200-73	4	45°
	CS7517	HLfix=HD-46 2154=2200-46	1	90°
	CS7517	WL=WDD/2+17.5 1025=1007.5+17.5	4	45°
	CS7511	WF=WD=WSi WF=3000	2	45°

	CS7511		HF=HD 2200	2	45°
	CS7516		HIL=HL 2127	4	90°
	Horizontal Bead		WB=WL-124 901=1025-124	4	90°
	Horizontal Bead		WBfix=WD-WDD-2 983=985-2	2	90°
	Vertical Bead		HB=HL-164 1963=2127-164	4	90°
	Vertical Bead		HBfix=HD-216 1984=2200-216	2	90°
	CS7514		WP=WDD-90 1925=2015-90	2	90°
	CS7520		WPH=WDD-90 1925=2015-90	1	90°
	CS7520		HJC=HF-89 2111=2200-89	1	90°

comar 7P.i LS+

CUTTING LIST

3



Triple Track Door
One Way
Cutting List

A4 Scale NTS

R2 - 27/11/2018

3.18

	CS7508		Hlc=HL Hlc=2127	3	90°
	CS7508		HlcFix=HLFix-43 2111=2154-43	1	90°
	CS7522		WHC=WBfix 982	2	90°
	CS920		WHC=WBfix-40 942	4	90°
	GK7500		HLi=HL 2127	4	90°
	GK7506		HLb=HL-45 2082=2127-45	1	45° 1side
	GK7506		WLb=WL-50 975=1025-50	1	45° 1side
	GK7506		WLb=WL-90 935=1025-90	1	90°
	GK7507		WTF=WBfix 982	1	90°
	GK7508		WGC=WL-68 957=1025-68	2	90°

	GK7509		WIC=WD-46 2954=3000-46	2	90°
	GK7509		HIC=HLi=HL 2127	4	90°
	GK7502		WTI=WT 2954	2	90°
	Pi430000		WPS=WP-50 1875 WPS=WHC 942	1 1	90°
	CS448		WDR=WD 3000	1	90°
	SD99997		WSI=WT=WD-47 2954=3000-47	2	90°
			WG= WL-134 HG= HL-134	2	90°
			WGFix= WD-WDD-13 HGFix= HF-186	1	90°

comar 7P.i LS+

CUTTING LIST

3



Triple Track Door
One Way
Cutting List

A4 Scale NTS

R2 - 27/11/2018

3.19



comar 7P.i LS+

CUTTING LIST

3



Triple Door 6 Leaf
with Locking Insert
Cuttign List Diagram

A4 Scale NTS

R0 - 04/12/2019

3.20

Example Cutting List for Triple Track Door (6450mmx2200mm)				QTY	ANGLE
Overall Width =WD	Overall Height = HD	Double Door=WDD			
	CS7521		WSi=WD WSi=6450	1	90°
	CS7518		WT=WD-46 6404=6450-46	2	90°
	CS7519		HJ=HD 2200	2	90°
	CS7517		HL=HD-73 2127=2200-73	8	45°
	CS7517		WL=WD/6+38.5 1113.5=6450/6+38.5	8	45°
	CS7506		LI=HL-36 2091=2127-36	1	90°
	CS675		CC=HJ=HD 2200	2	90°
	CS7516		HIL=HL 2127	8	90°
	W Bead		WB=WL-124 989.5=1113.5-124	8	90°
	H Bead		HB=HL-164 1963=2127-164	8	90°

	CS448		WDR=WD 3000	1	90°
	CS7508		Hlc=HL Hlc=2127	8	90°
	GK7506		HLb=HL-45 2082=2127-45	4	45° 1side
	GK7506		WLb=WL-65 1048.5=1113.5-65	4	45° 1side
	GK7506		WLb=WL-90 1023.5=1113.5-90	2	90°
	GK7509		WTc=WLx2-160 2067=1113.5x2-160	2	90°
	GK7509		HTc=HL 2127	2	90°
	GK7502		WR=WD-46 WR=6404	4	90°
	GK7500		HLi=HL 2127	8	90°
	GK7522		SS=WD-46 2954=3000-46	2	90°

comar 7P.iLS+

CUTTING LIST

3

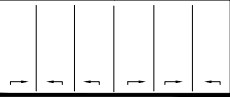
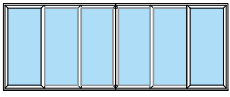


Triple Door 6 Leaf
with Locking Insert
Cutting List

A4 Scale NTS

R0 - 04/12/2019

3.21

	SD99997	 WT _i =WD-46=WT 6404=6450-46	3	90°
		WG= WL-134 979.5= 1113.5-134 HG= HL-134 1993= 2127-134	6	90°
HD= Height Door WD= Width Door		HL _i = Height Leaf Interlock		
WS _i = Width Sill		HL _b = Height Leaf Box WL _b = Width Leaf Box		
WT= Width Track		WP= Width Triple Track Protector		
HJ= Height Triple Track Jamb		HL _c = Height Interlock closure		
HL= Height Leaf WL= Width Leaf		WT _c = Width Track Cover		
CC= Cover Cap Insert Plate		WR= Width Insert Rail		
SS= Sub Sill Support		WT _i = Width Track Insert		
HIL= Height Interlock		HG= Height Glass WG= Width Glass		
HB= Height Horizontal Bead WB= Width Vertical Bead		DR= Width Drip		

comar 7P.iLS+

CUTTING LIST

3

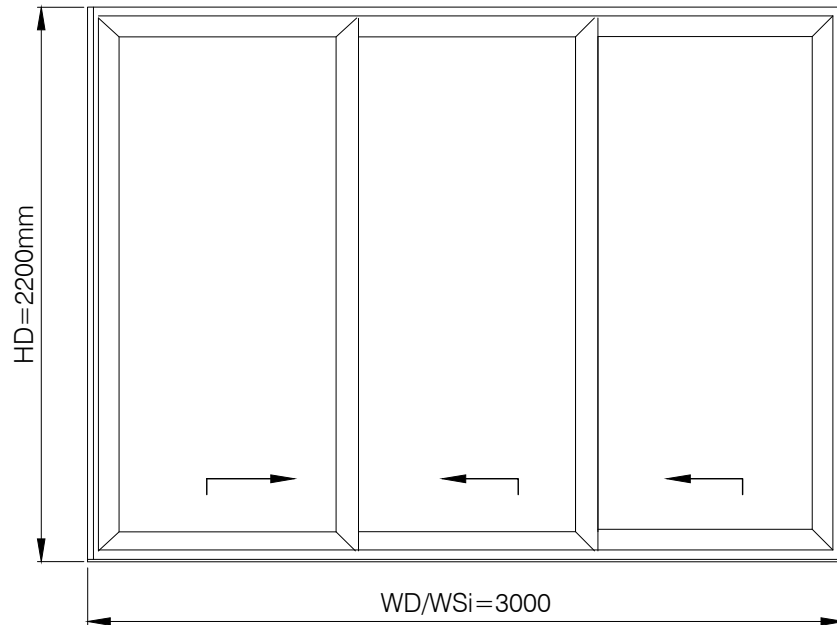
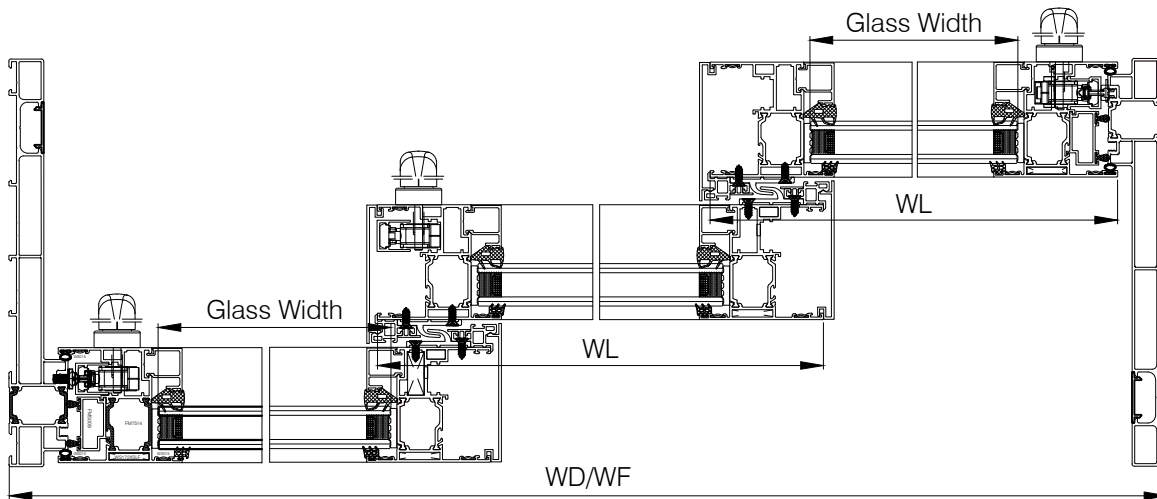
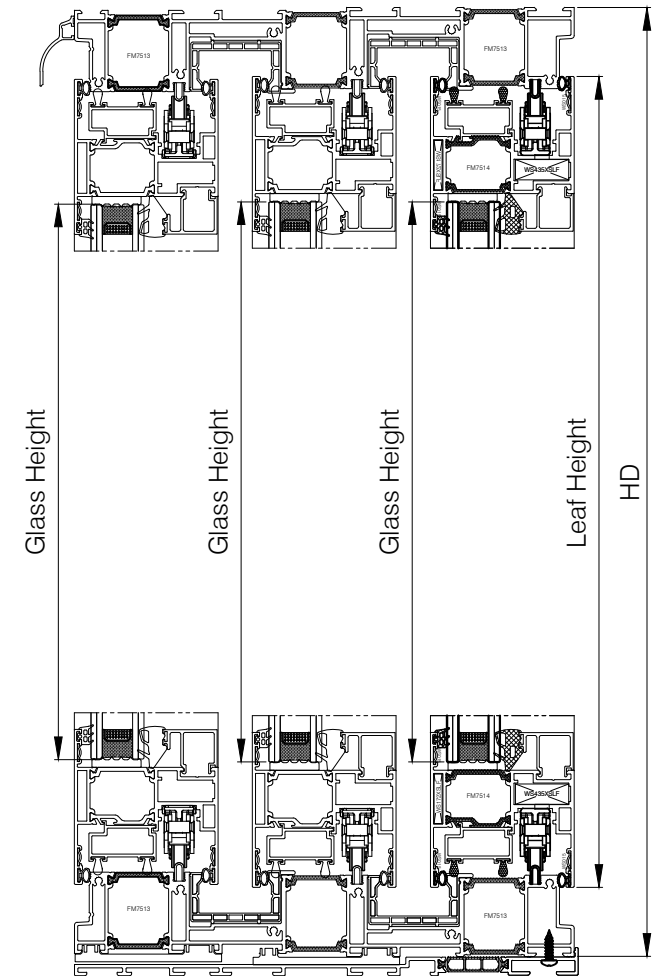


Triple Door 6 Leaf
with Locking Insert
Cutting List

A4 Scale NTS

R0 - 04/12/2019

3.22



NOTE
Sample calculation for 3000mm x 2200mm
Frame.

comar 7P.iLS+

CUTTING LIST

3

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Triple Door
3 Leaf
Cutting List Diagram

A4 Scale 1:4

R0 - 04/12/2019

3.23

Example Cutting List for Triple Track Door (3000mmx2200mm) Overall Width =WD Overall Height =HD				QTY	ANGLE
	CS7521		WSi=WD WSi=3000	1	90°
	CS7518		WT=WD-46 2954=3000-46	2	90°
	CS7519		HJ=HD =2200	2	90°
	CS7517		HL=HD-73 2127=2200-73	6	45°
	CS7517		WL=WDD/3+28 1028=1000+28	6	45°
	CS7516		HIL=HL-8 2119	4	90°
	Horizontal Bead		WB=WL-124 904=1028-124	6	90°
	Vertical Bead		HB=HL-164 1963=2127-164	6	90°
	CS7508		Hic=HL Hic=2127	4	90°
	CS675		CC=HJ=HD 2200	2	90°

	GK7500		HLi=HL HL=2127	4	90°
	GK7506		HLb=HL-45 2082=2127-45	2	45° 1side
	GK7506		WLb=WL-65 963=1028-65	2	45° 1side
	GK7506		WLb=WL-90 938=1028-90	1	90°
	GK7509		WIC=WD-46 2954=3000-46	3	90°
	GK7509		HIC=HLi=HL 2127	4	90°
	GK7509		HICB=HLi-13 2114	2	90°
	GK7502		WTI=WT 2954	4	90°
	GK7522		SS=WD-46 2954=3000-46	2	90°
	CS448		WDR=WD 3000	1	90°
	SD99997		WSI=WT=WD-47 2954=3000-47	3	90°
			WG= WL-134 HG= HL-134	3	90°

comar 7P.i LS+

CUTTING LIST

3



Triple Door
Cutting List

A4 Scale NTS

R0 - 04/12/2019

3.24

FABRICATION DETAILS

comar 7P.iLS

FABRICATION DETAILS

4

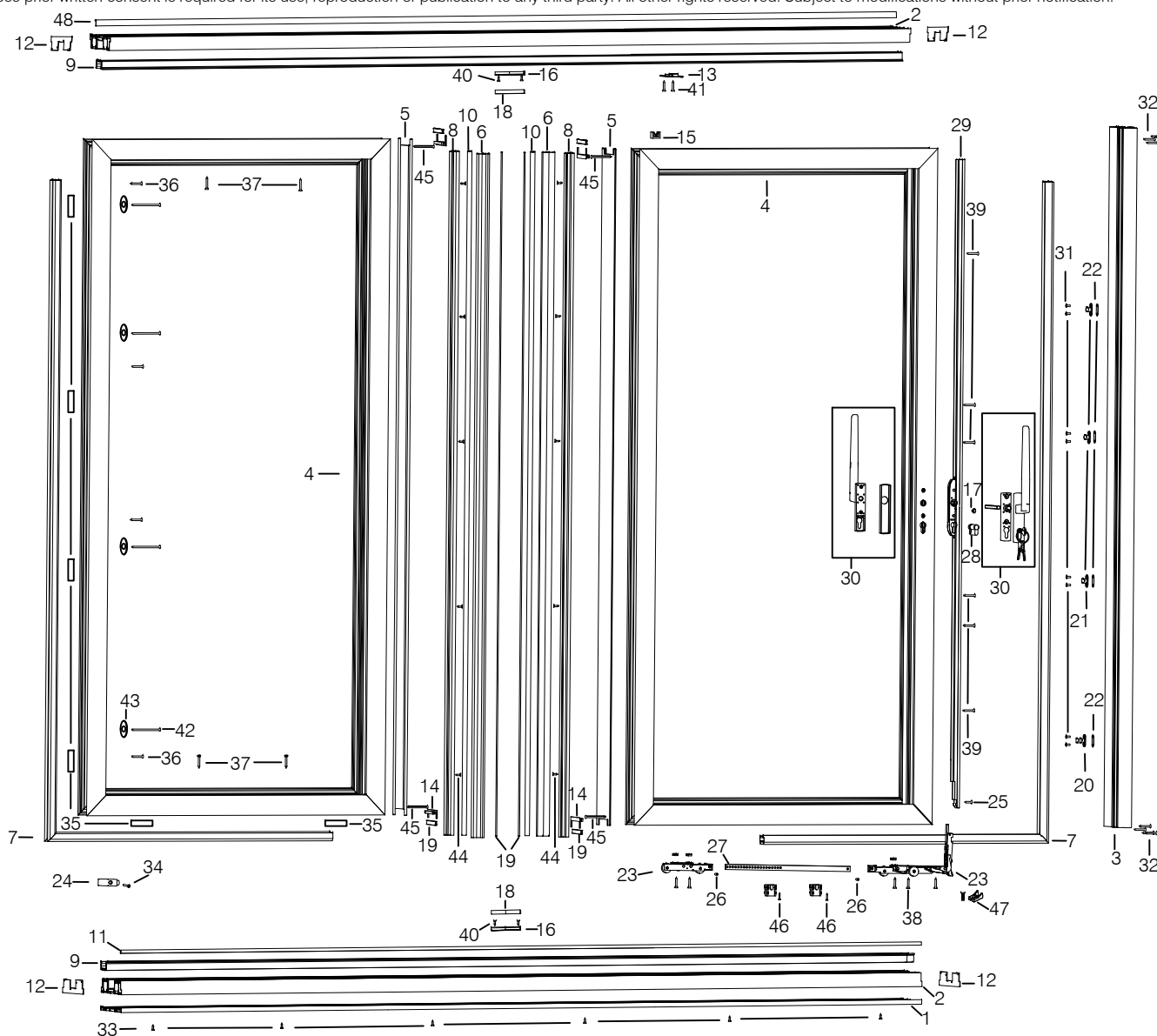


Fabrication Details

R0 - 11/10/2017

4.00

1	CS7501	DOUBLE TRACK SUB SILL
2	CS7500	HEAD & THRESHOLD
3	CS7502	JAMB
4	CS7517	LEAF STANDARD
5	CS7508	INTERLOCK CLOSER
6	CS7516	INTERLOCK
7	GK7506	LEAF INSULATION BOX
8	GK7500	STANDARD LEAF INTERLOCK
9	GK7502	TRACK INSERT
10	GK7509	TRACK GROOVE COVER
11	SD99997	TRACK INSERT
12	GK7511	DOUBLE TRACK GASKET PAD
13	WS75202XKIT	ANTI LIFT BLOCK
14	WS75202XKIT	COVER CAPS & FOAM
15	WS75202XKIT	ANTI LIFT BLOCK
16	WS75200XKIT	DUST PLUG
17	WS7502	CLOSING CAP
18	WS75200XKIT	BRUSH PILE SEAL
19	WP407XSFL	WOOLPILE
20	LK7557	BOTTOM LOCKING BOLT
21	LK7556	TOP LOCKING BOLT
22	LK7558	PACKER 1mm
23	LK7553	FRONT /BACK CARRIAGE
24	CL490	DOOR BUFFER
25	FX7510	SPECIAL SCREW 13mm
26	WS7504	PIN 6X16mm
27	LK7554	CONNECTING ROD 200
28	LK7550	EURO CYLINDER 35/10
29	LK7561	GEAR LOCK 220
30	HD747	DOUBLE HANDLE
31	FX079XSFL	MACHINE SCREW M5X12
32	FX032XSFL	PANHEAD STEEL N8X32
33	FX035XSFL	PANHEAD N8X16
34	FX801XSFL	MACHINE SCREW M6X30
35	WS75108	SUPPORT BLOCK
36	XX3090XSFL	ALLEN KEY SCREW 5.5X42
37	XX3011XSFL	ALLEN KEY SCREW 5.5X50
38	FX7011XSFL	CSK N 10 X 32
39	FX7512XSFL	CSK N 10 X 38
40	FX7004XSFL	PANHEAD SELF DRILL
41	XX3092XSFL	CSK N 10 X 22
42	WS7505XSFL	FLAT WASHER S/S
43	FX7513XSFL	5.5X70mm
44	FX091XSFL	CSK SELF TAPPING N8X13
45	FX206XSFL	CSK 4.2X50mm
46	XX3028XSFL	CSK 3.5X19mm
47	LK7562	BOTTOM LOCKING
48	CS448	DRIP



comar 7P.iLS+

FABRICATION DETAILS

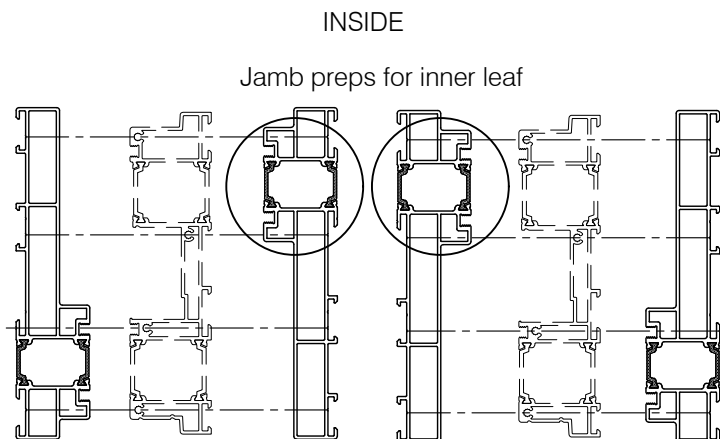
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Fabrication Overview

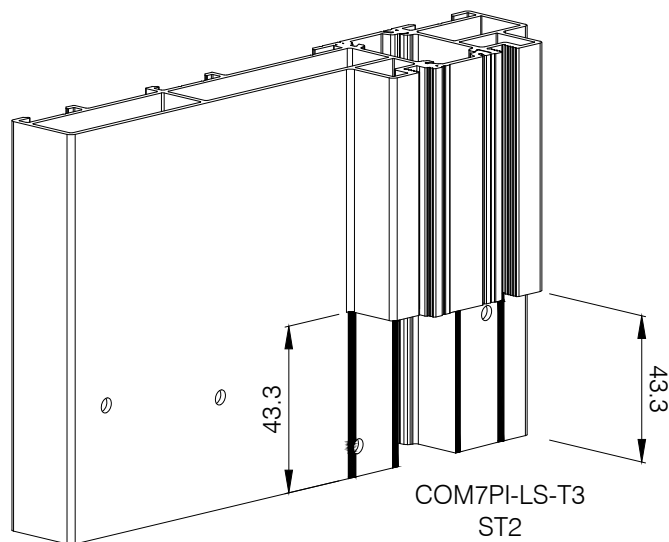
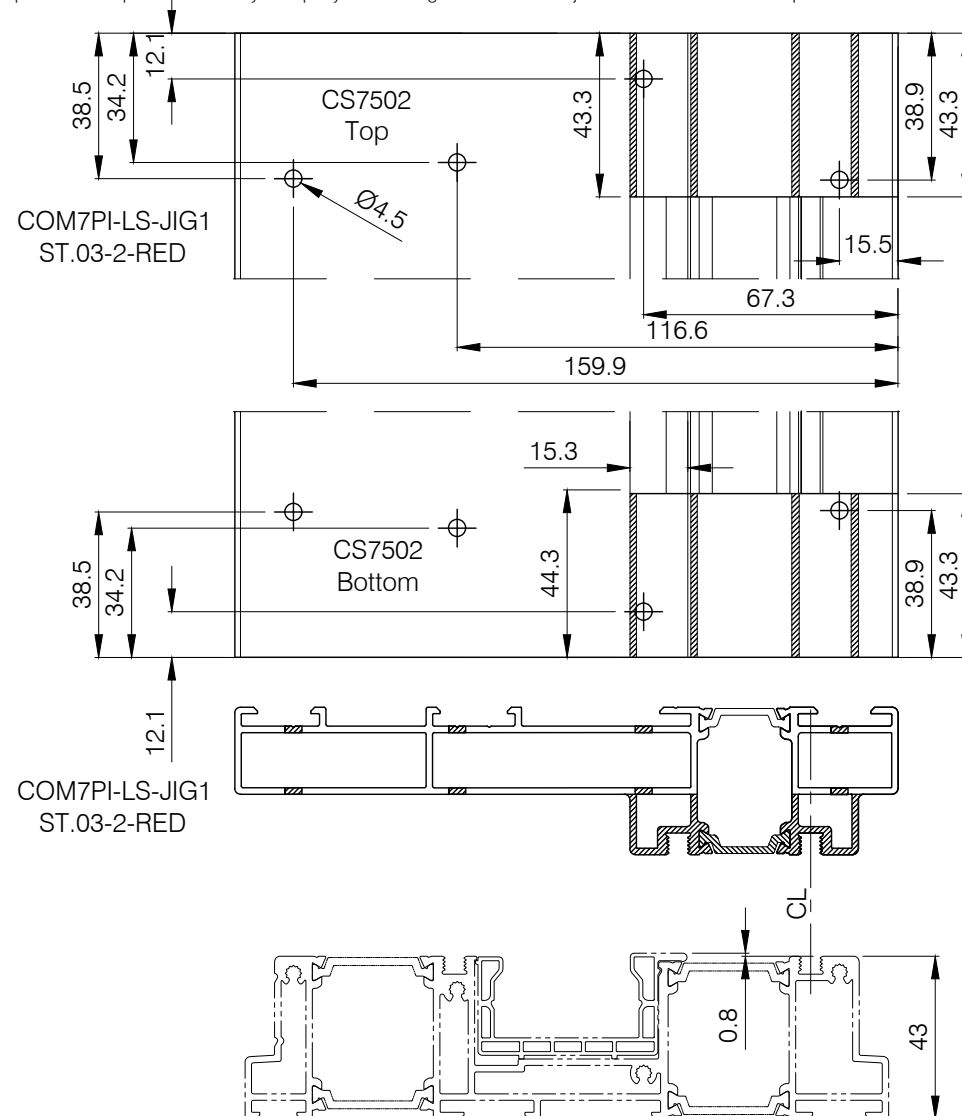
R2 - 04/12/2019

4.01



OUTSIDE

Jamb prep for inner leaf



comar 7P.iLS+

FABRICATION DETAILS

4

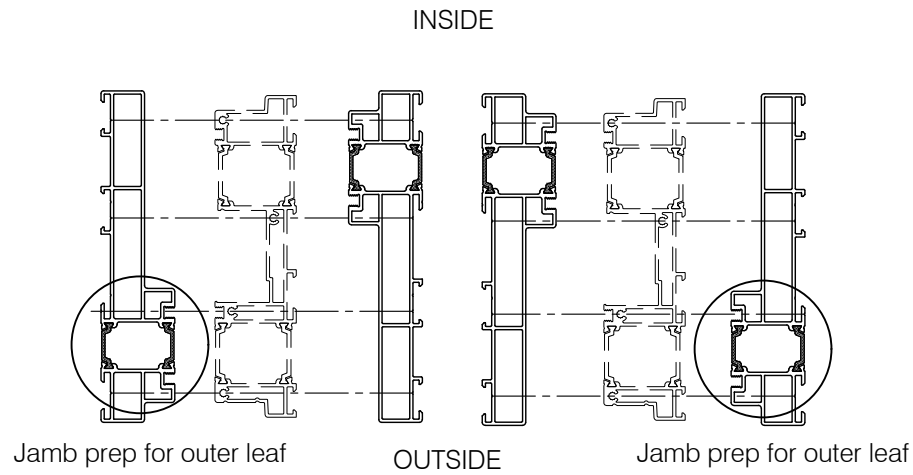
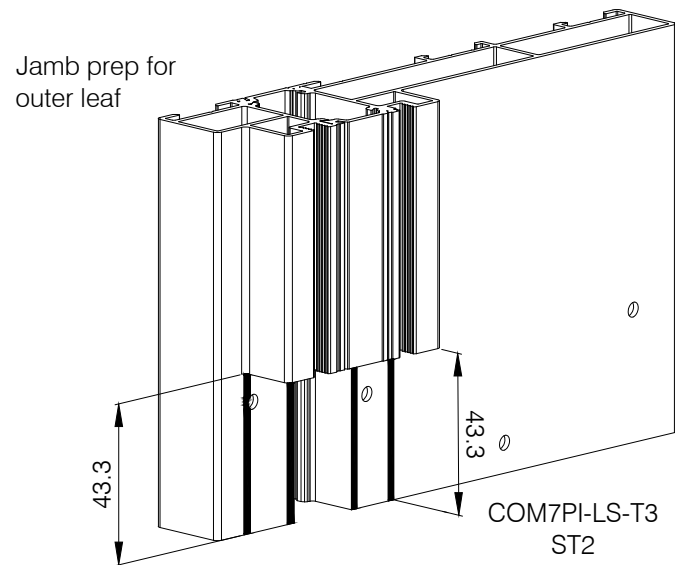
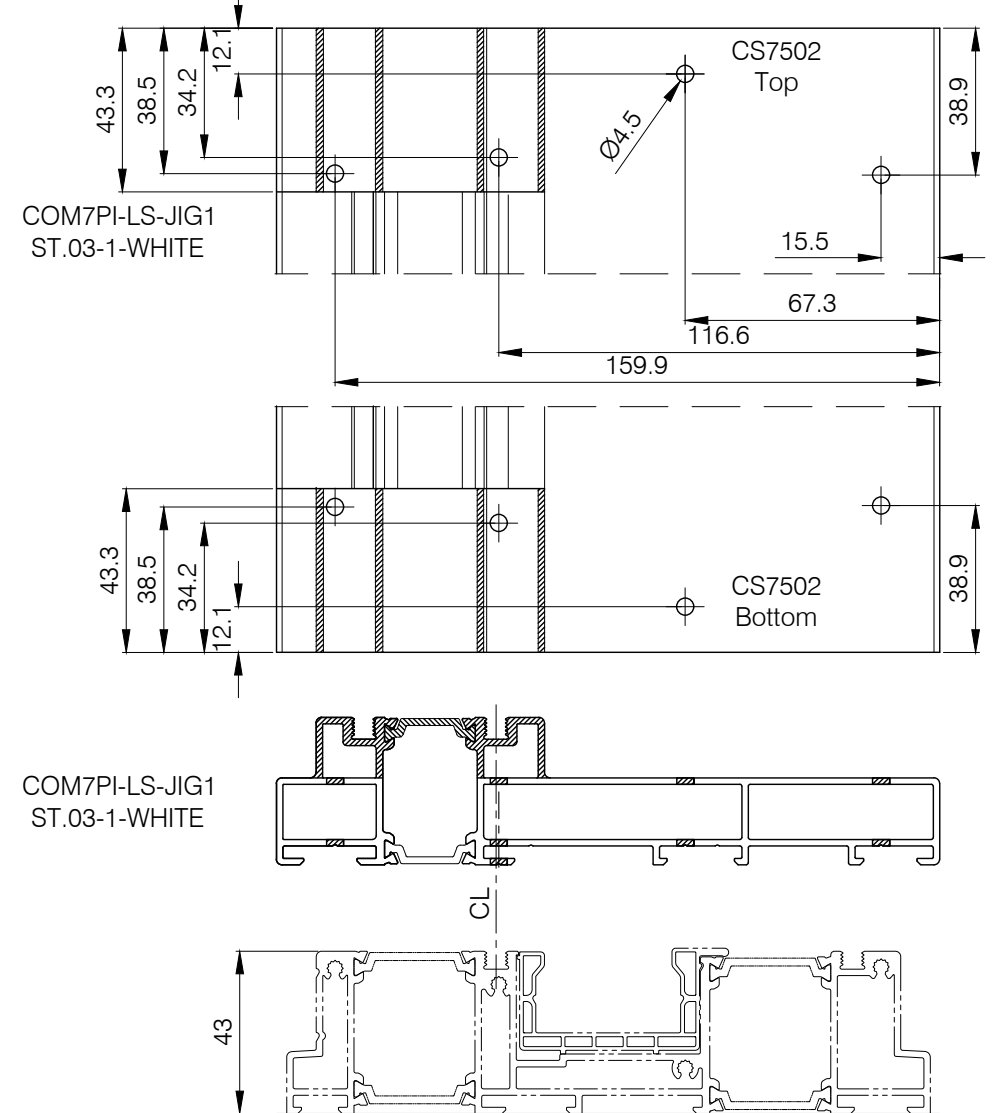


Double Track Door
Jamb Preparation
Inner Leaf Detail

A4 Scale 1:2

R1 - 04/12/2019

4.02



comar 7P.iLS+

FABRICATION DETAILS

4



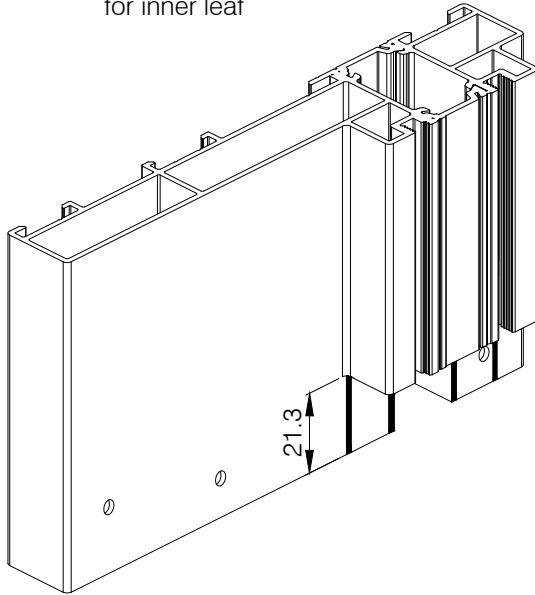
Double Track Door
Jamb preparation
Outer Leaf Detail

A4 Scale 1:2

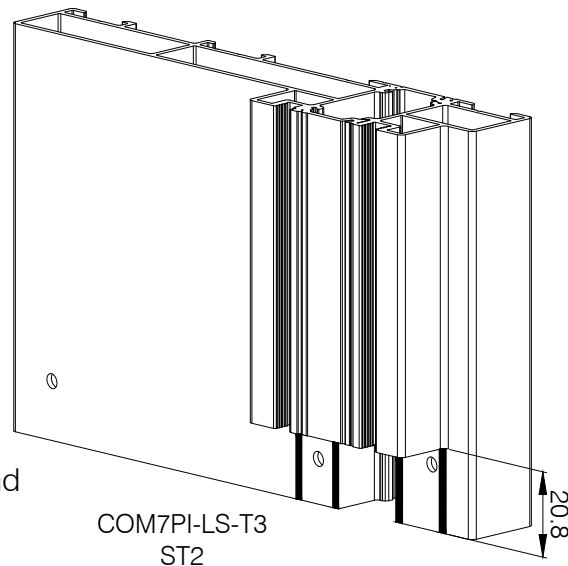
R1 - 04/12/2019

4.03

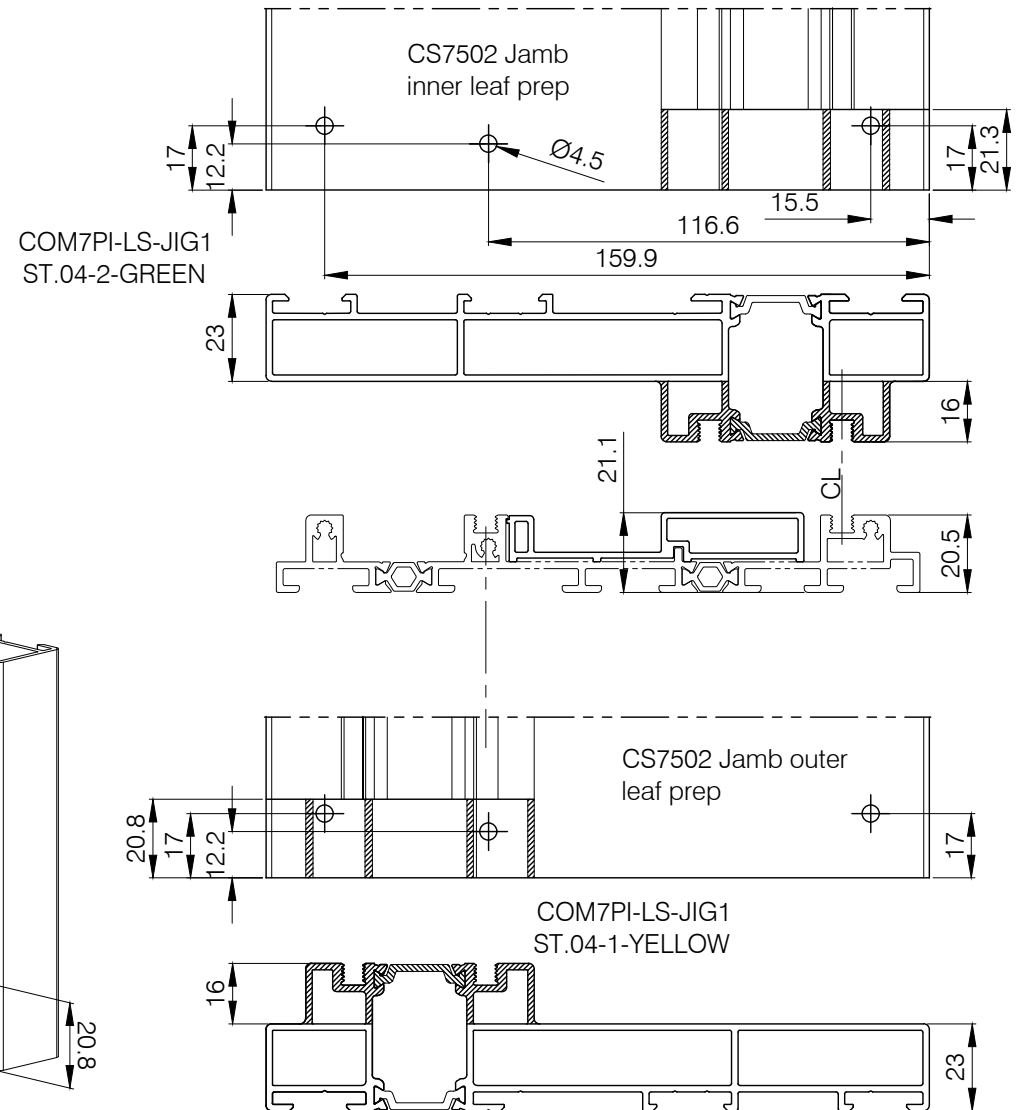
Jamb CS7502 prep
for inner leaf



Jamb CS7502 prep
for outer leaf



NOTE:
Cut out feature of CS7502 for top end
of profile See Jamb outer and inner
leaf preps



comar 7P.iLS+

FABRICATION DETAILS

4

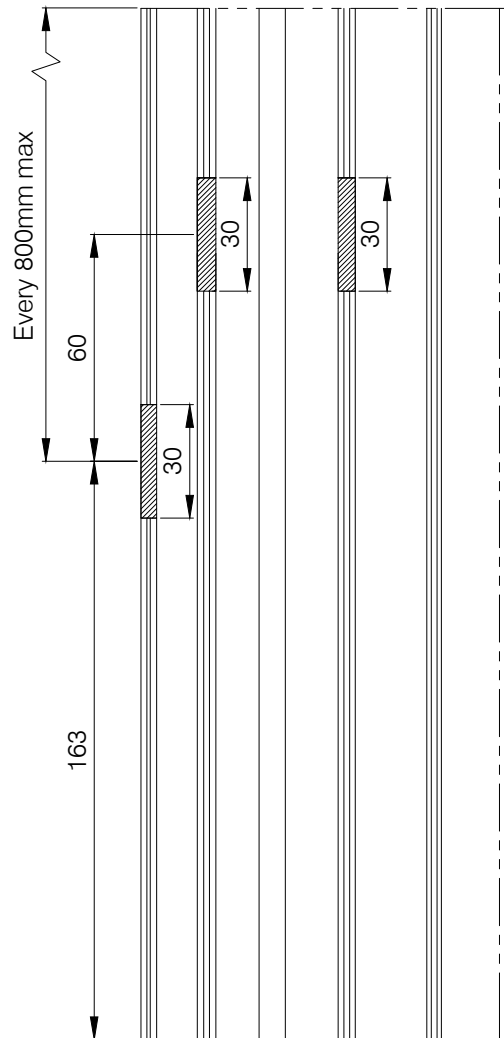
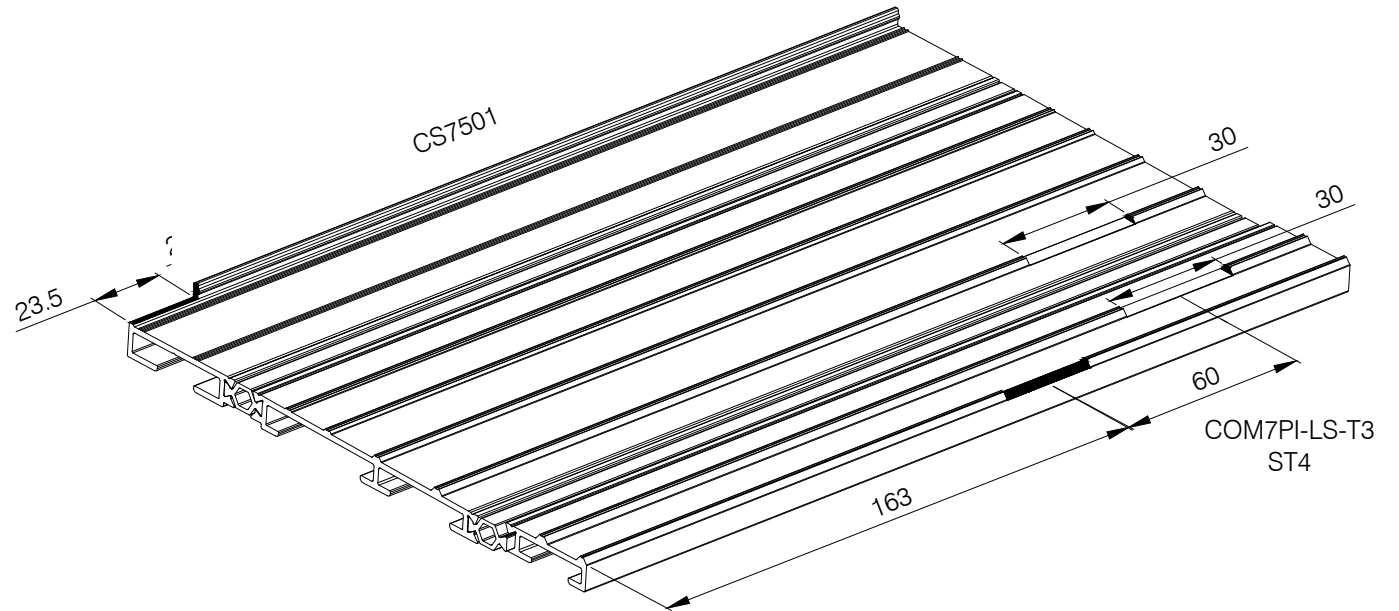
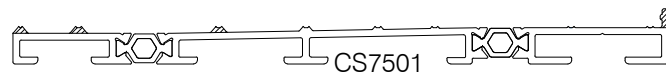


Double Track Door
Low Threshold
Jamb Cutting Detail

A4 Scale 1:2

R1 - 04/12/2019

4.04



Drainage details to be
added to externally
exposed sections of
threshold

comar 7P.i LS+

FABRICATION DETAILS

4

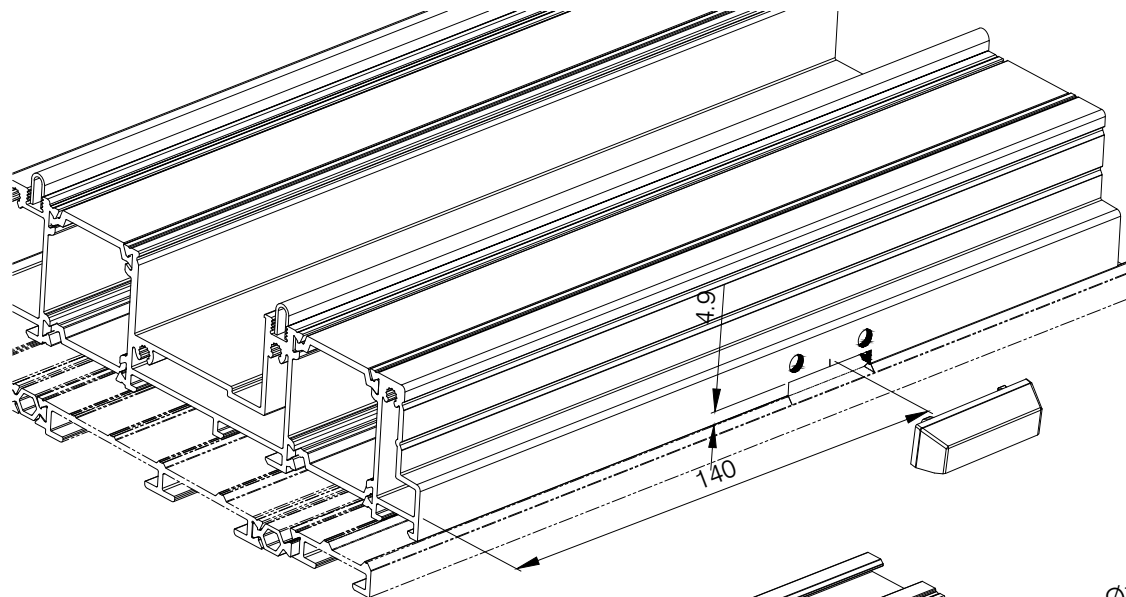


Double Track Door
Drainage Details
Sub Sill CS7501 Preparation

A4 Scale 1:2

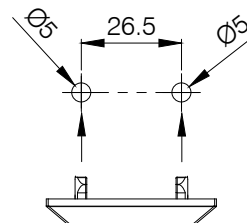
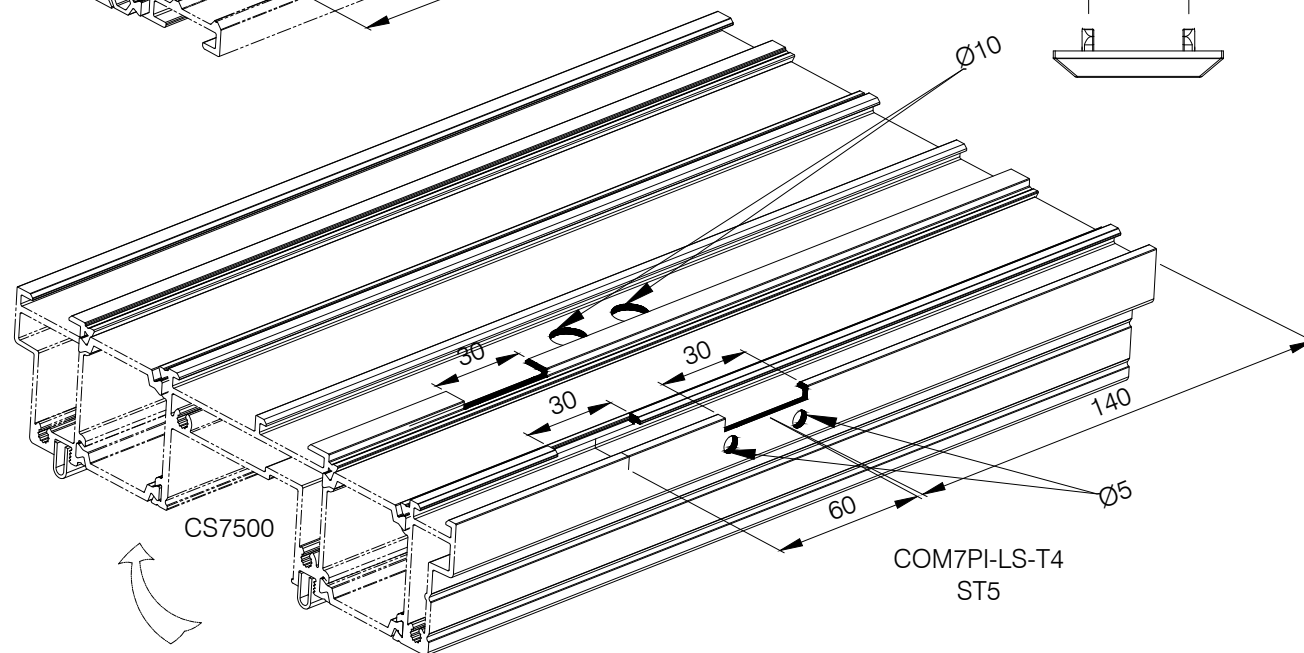
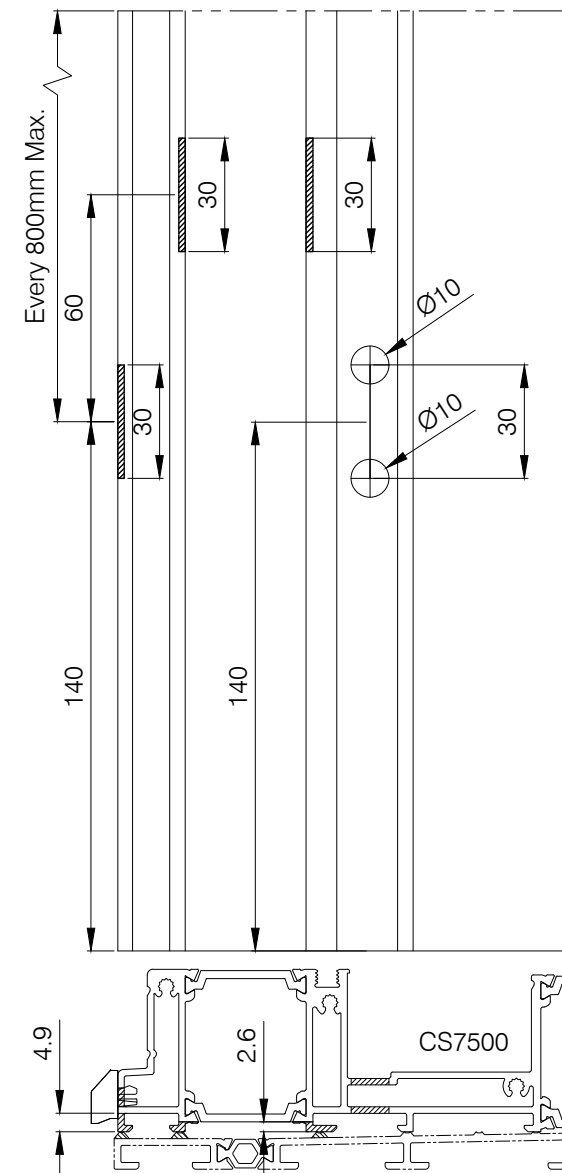
R1 - 04/12/2019

4.05



Drainage details to be added to externally exposed sections of threshold

Drain Cap reference: WS023 Drill holes for WS023 only. Cover Caps should be glued in place with adhesive SE007



comar 7P.iLS+

FABRICATION DETAILS

4

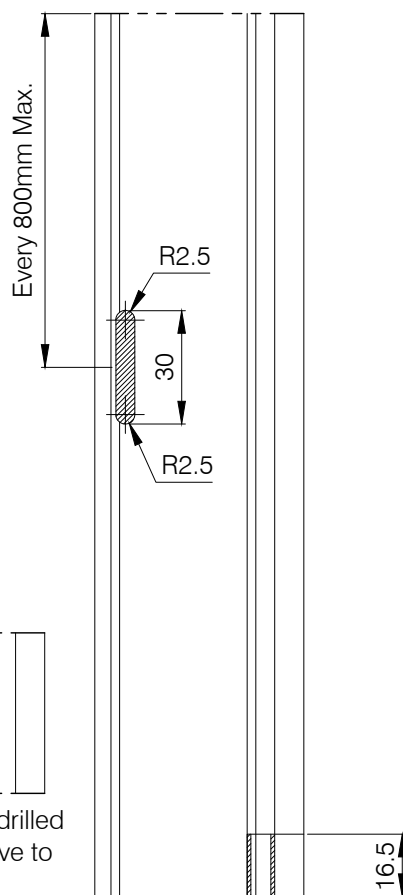


Double Track Door
Drainage Details
Threshold CS7500 Preparation

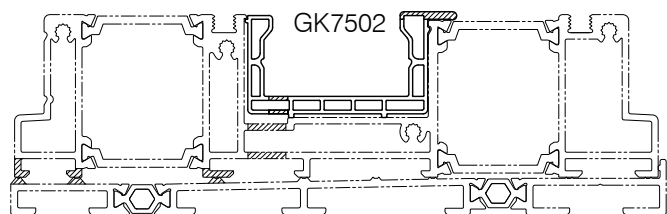
A4 Scale 1:20

R1 - 04/12/2019

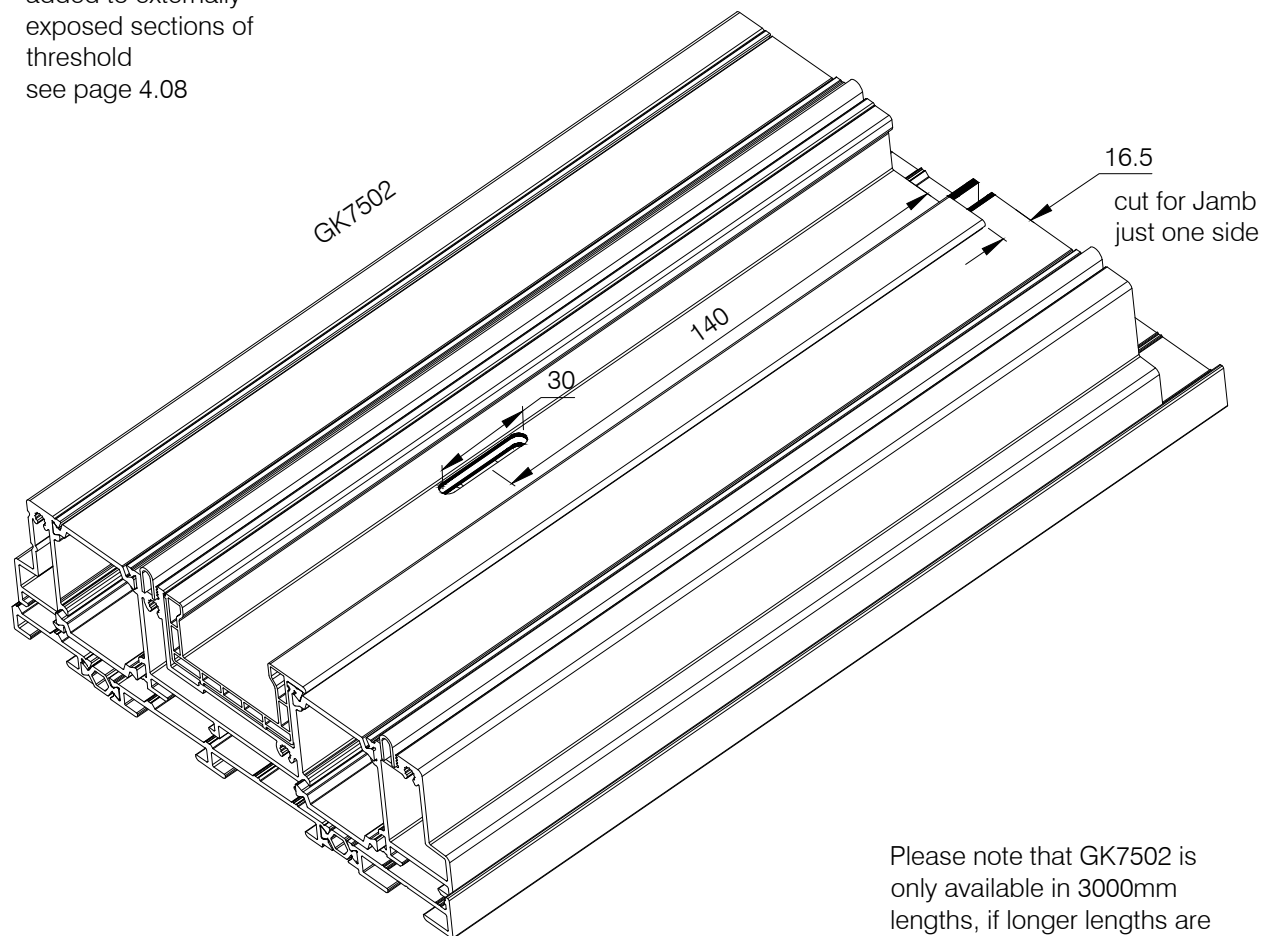
4.06



Holes can be drilled as an alternative to drainage slots



Drainage details to be added to externally exposed sections of threshold see page 4.08



Please note that GK7502 is only available in 3000mm lengths, if longer lengths are required the 2 sections will need to be joined and sealed.

comar 7P.iLS+

FABRICATION DETAILS

4

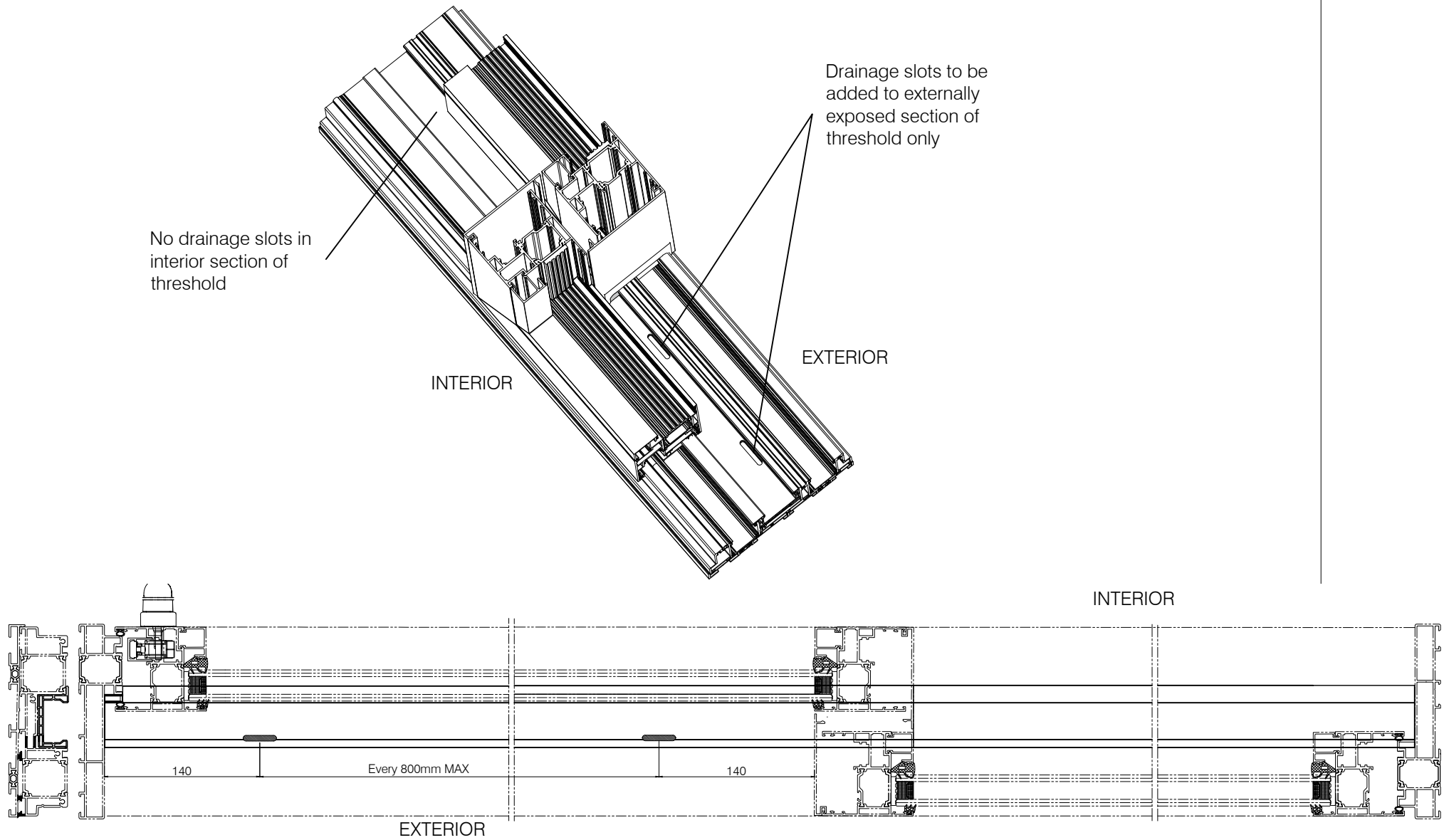


Double Track Door
Drainage Details
Track Insert GK7502 Preparation

A4 Scale 1:2

R0 - 31/10/2017

4.07



comar 7P.iLS+

FABRICATION DETAILS

4



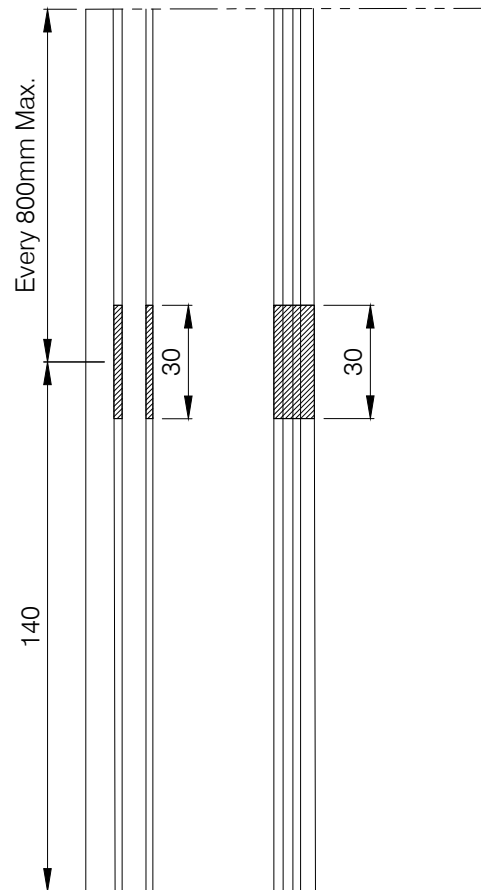
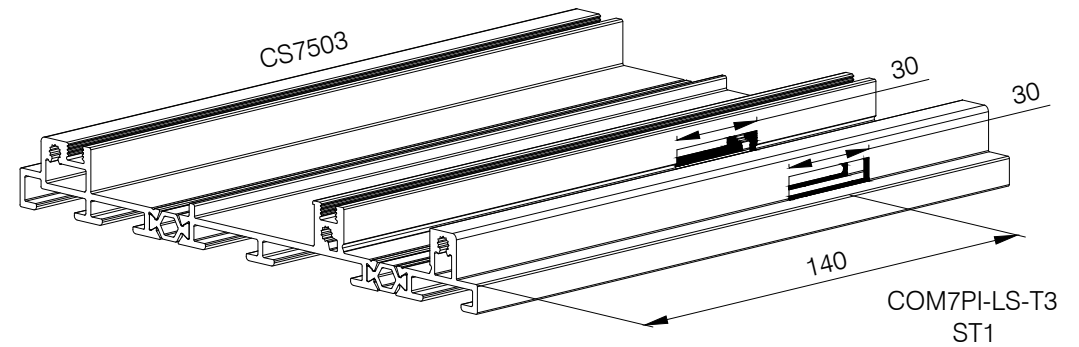
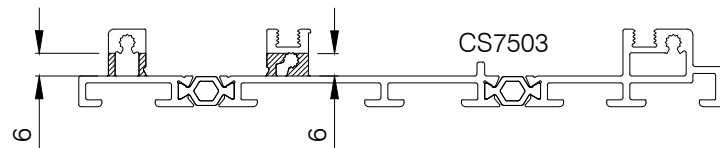
Double Track Door
Drainage Details
Track Insert GK7502 Preparation

A4 Scale 1:2

R0 - 31/10/2017

4.08

Drainage details to be added to externally exposed sections of threshold



comar 7P.iLS+

FABRICATION DETAILS

4



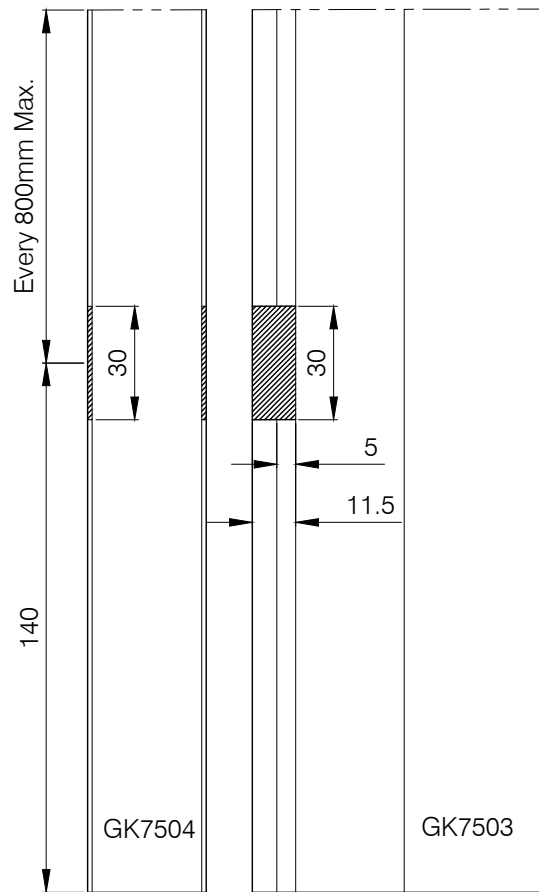
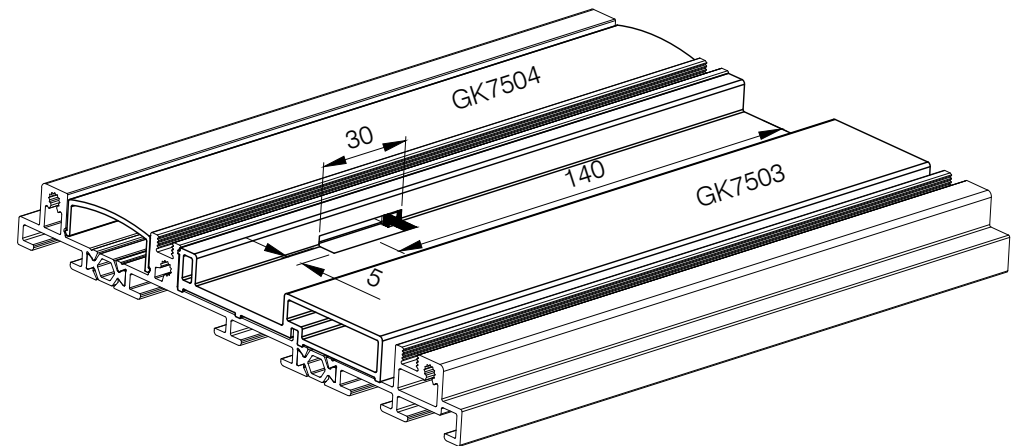
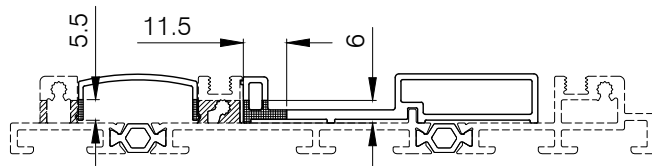
Double Track Door
Low Threshold
Threshold Drainage Preparation

A4 Scale 1:2

R1 - 04/12/2019

4.09

Drainage details to be
added to externally
exposed sections of
threshold



comar 7P.iLS+

FABRICATION DETAILS

4



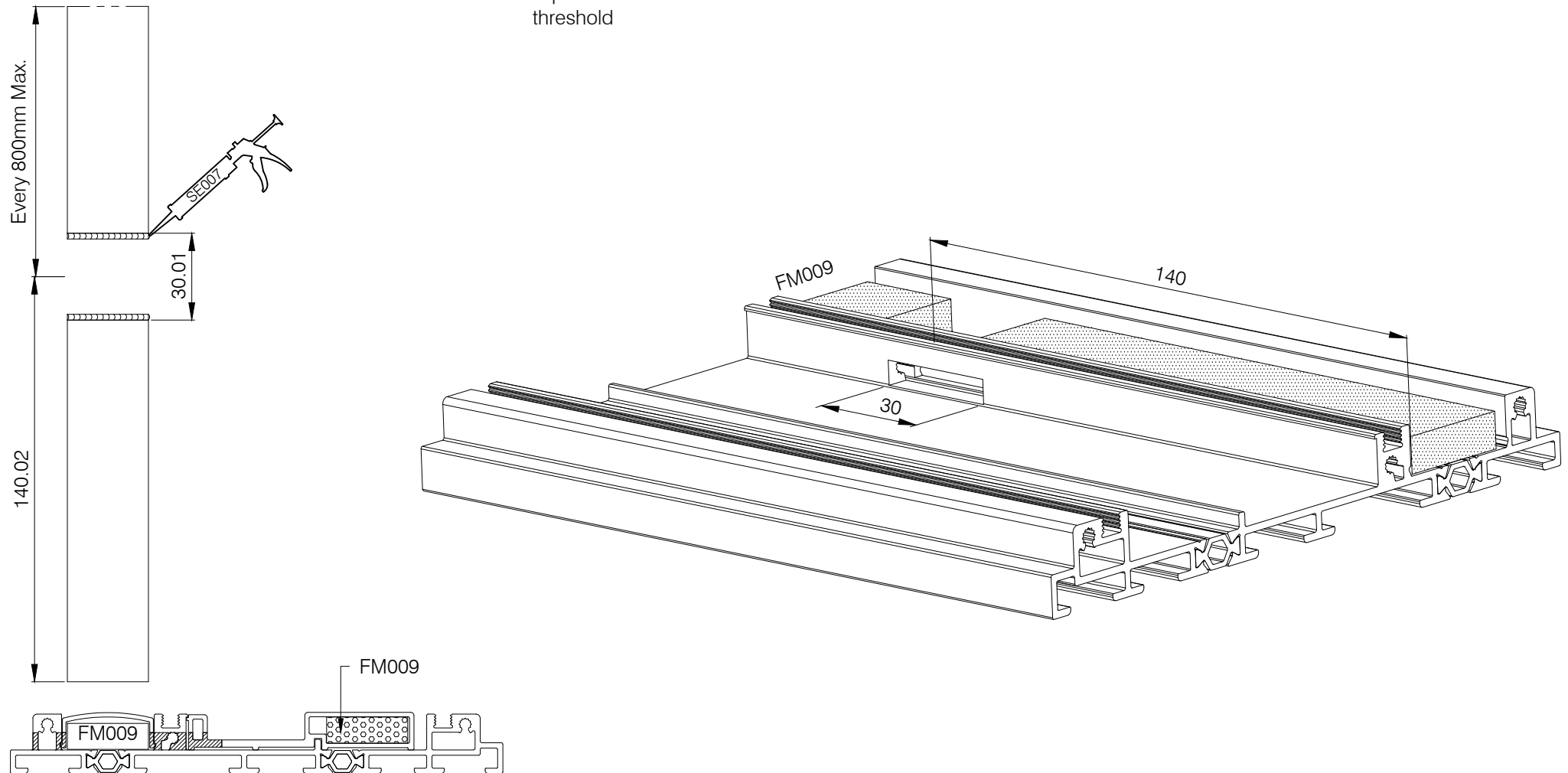
Double Track Door
Low Threshold Drainage Preparation
Track Inserts GK7503 - GK7504

A4 Scale 1:2

R0 - 31/10/2017

4.10

Drainage details to be
added to externally
exposed sections of
threshold



comar 7P.i LS+

FABRICATION DETAILS

4

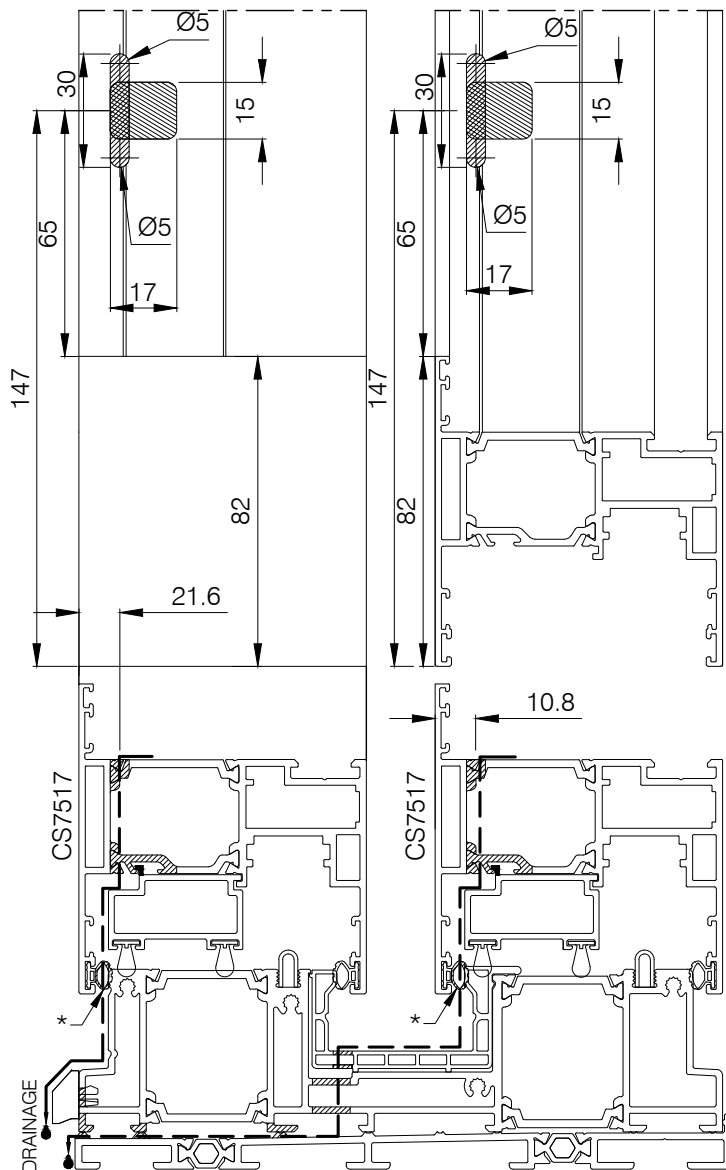
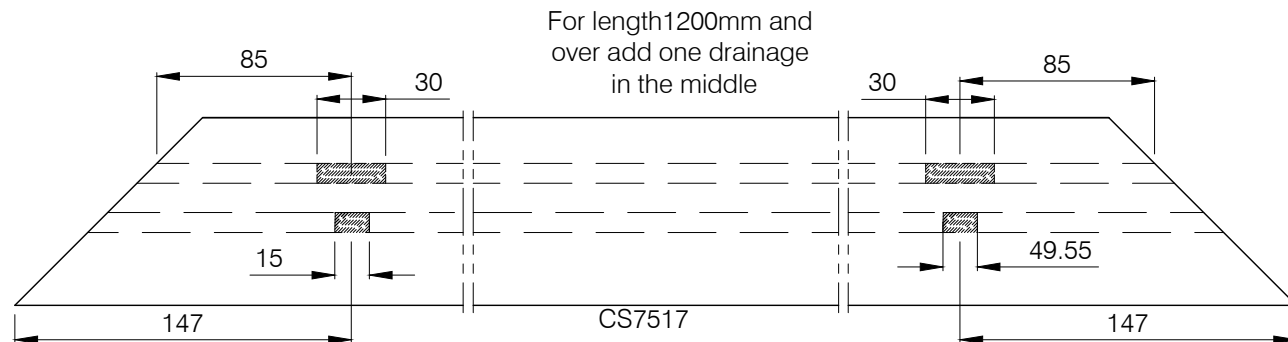
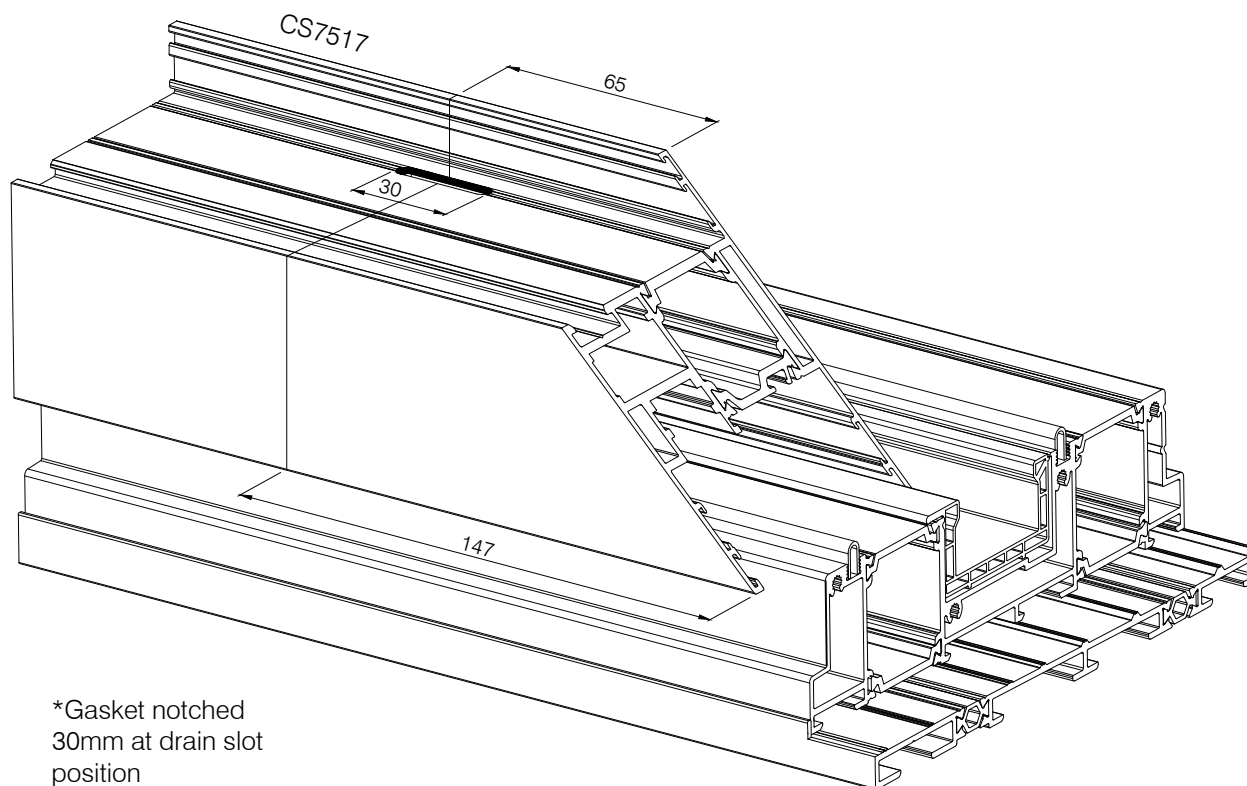


Double Track Door
Low Threshold Drainage
Foam Preparation FM009

A4 Scale NTS

R0 - 31/10/2017

4.11



*Gasket notched
30mm at drain slot
position

comar 7P.i LS+

FABRICATION DETAILS

4

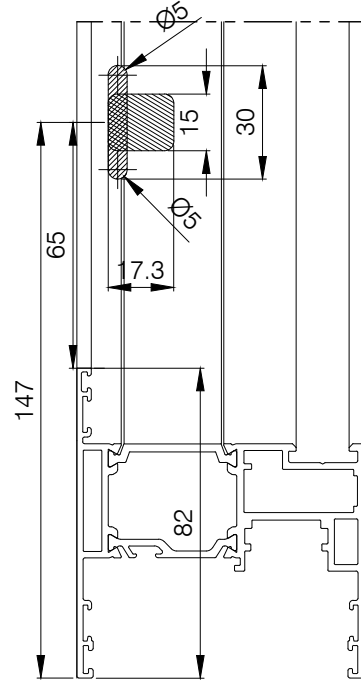
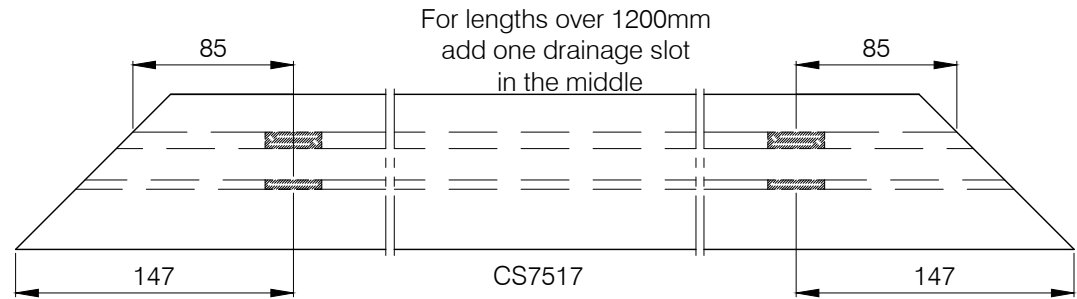
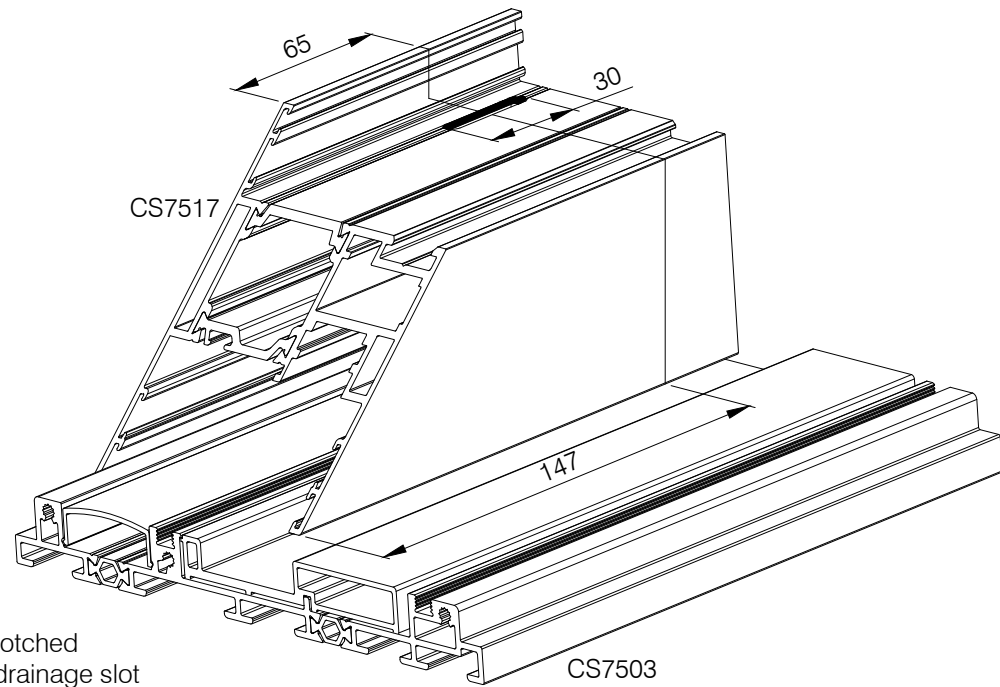
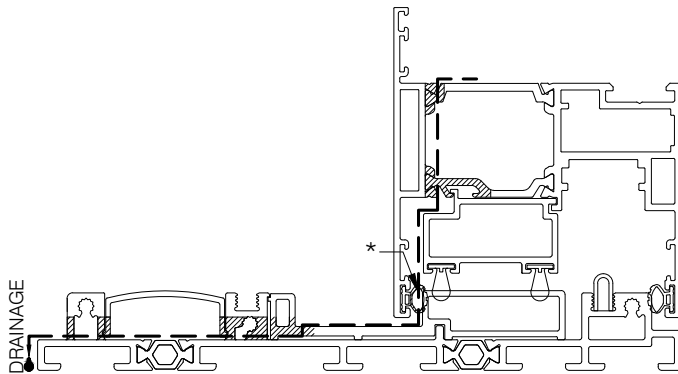


Double Track Door
Drainage Details
Leaf CS7517 Preparation

A4 Scale 1:2

R0 - 31/10/2017

4.12



*Gasket notched 30mm at drainage slot position

comar 7P.iLS+

FABRICATION DETAILS

4

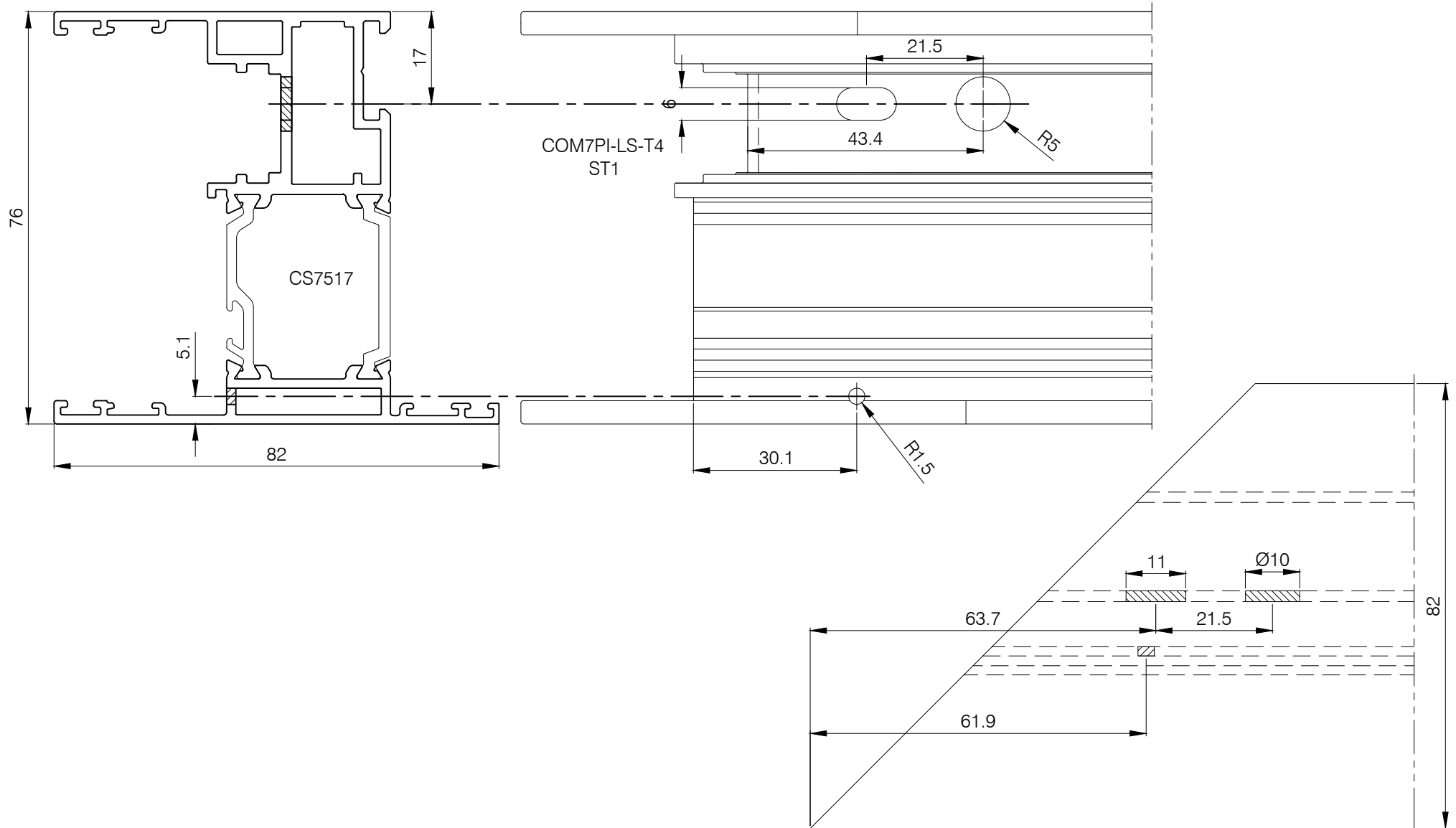


Double Track Door
Low Threshold Drainage
Leaf Preparation CS7517

A4 Scale NTS

R0 - 31/10/2017

4.13



comar 7P.iLS+

FABRICATION DETAILS

4

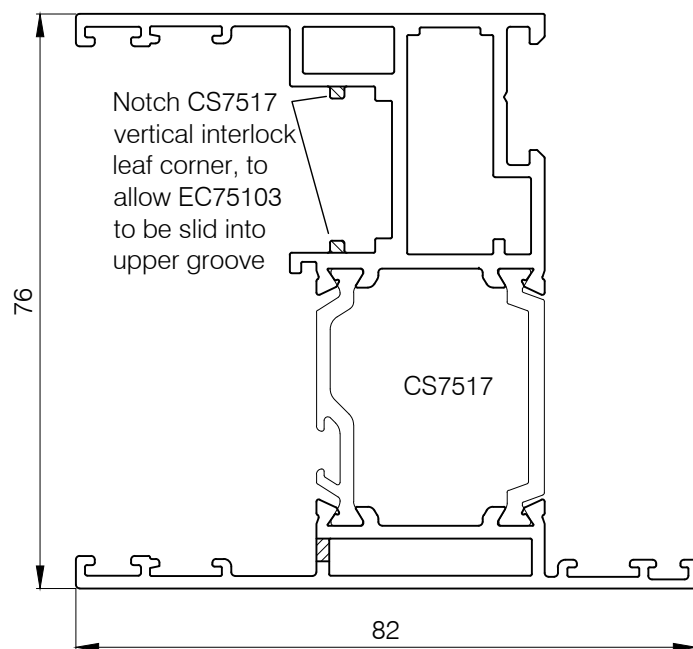
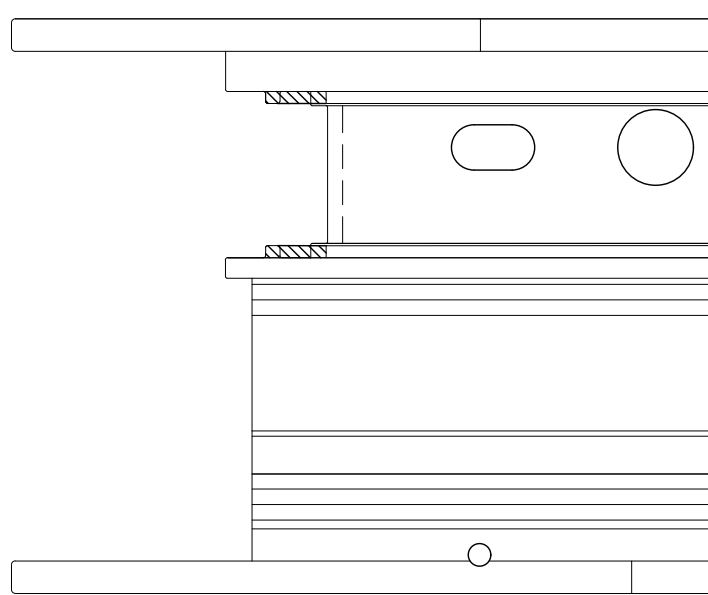
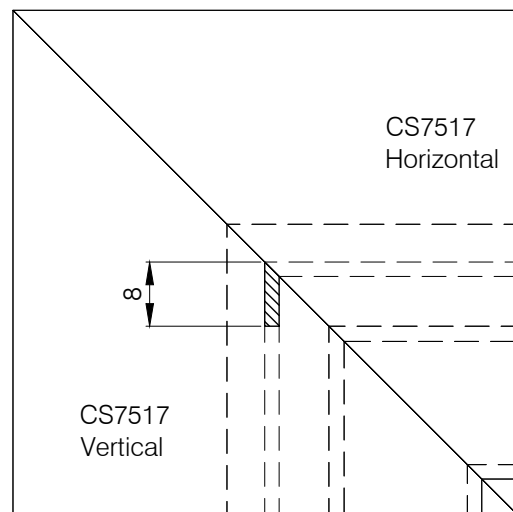
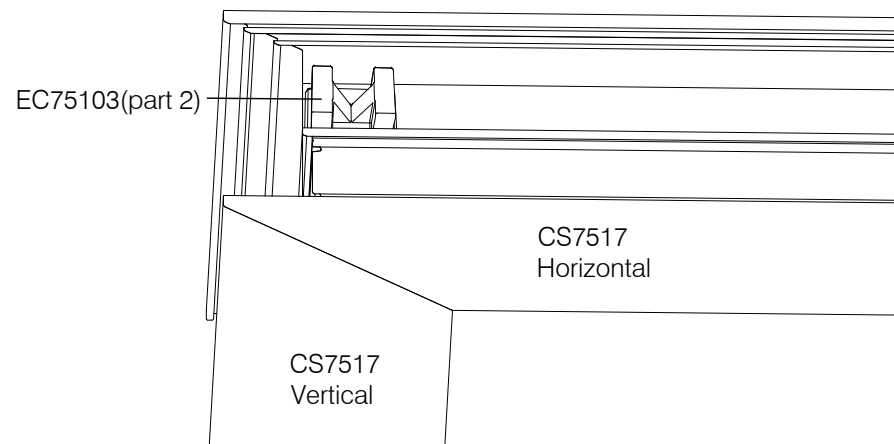


Cleat Holes Preparation
Leaf CS7517

A4 Scale 1:1

R1 - 04/12/2019

4.14



comar 7P.i LS+

FABRICATION DETAILS

4

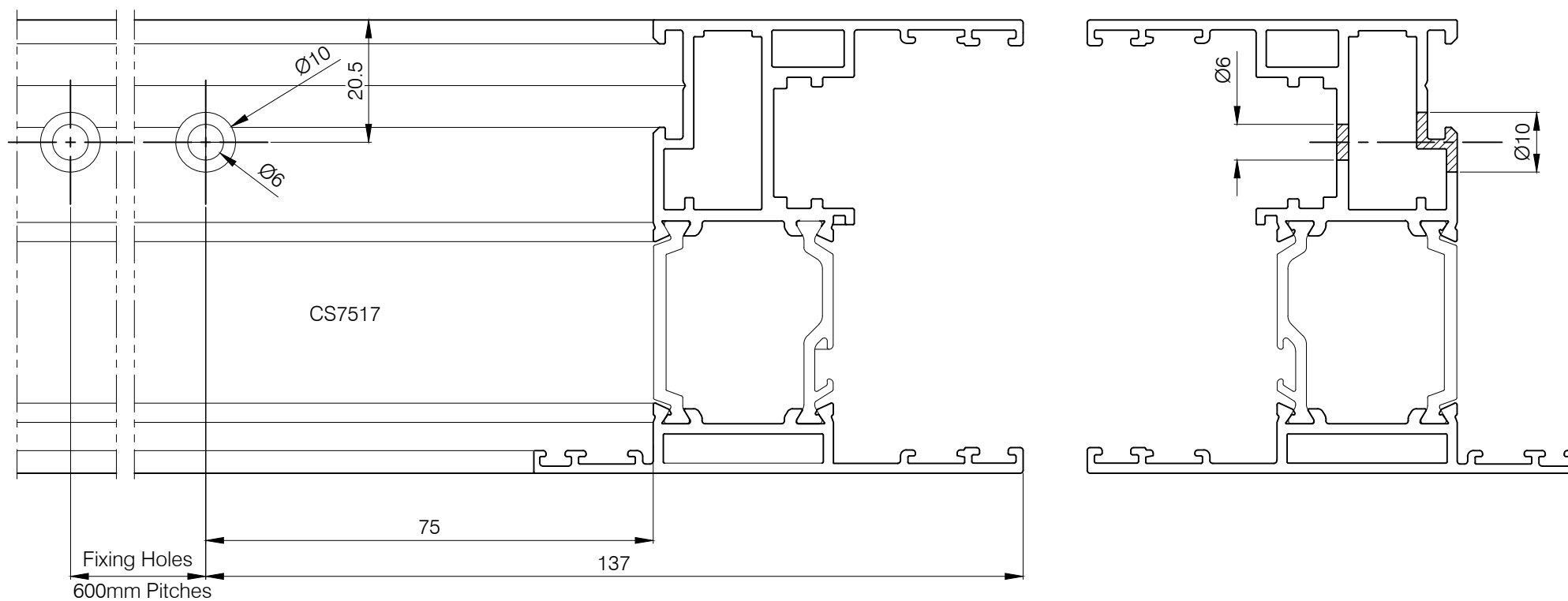


Anti Lift Notch Preparation
Leaf CS7517

A4 Scale 1:1

R0 - 31/10/2017

4.15



comar 7P.i LS+

FABRICATION DETAILS

4

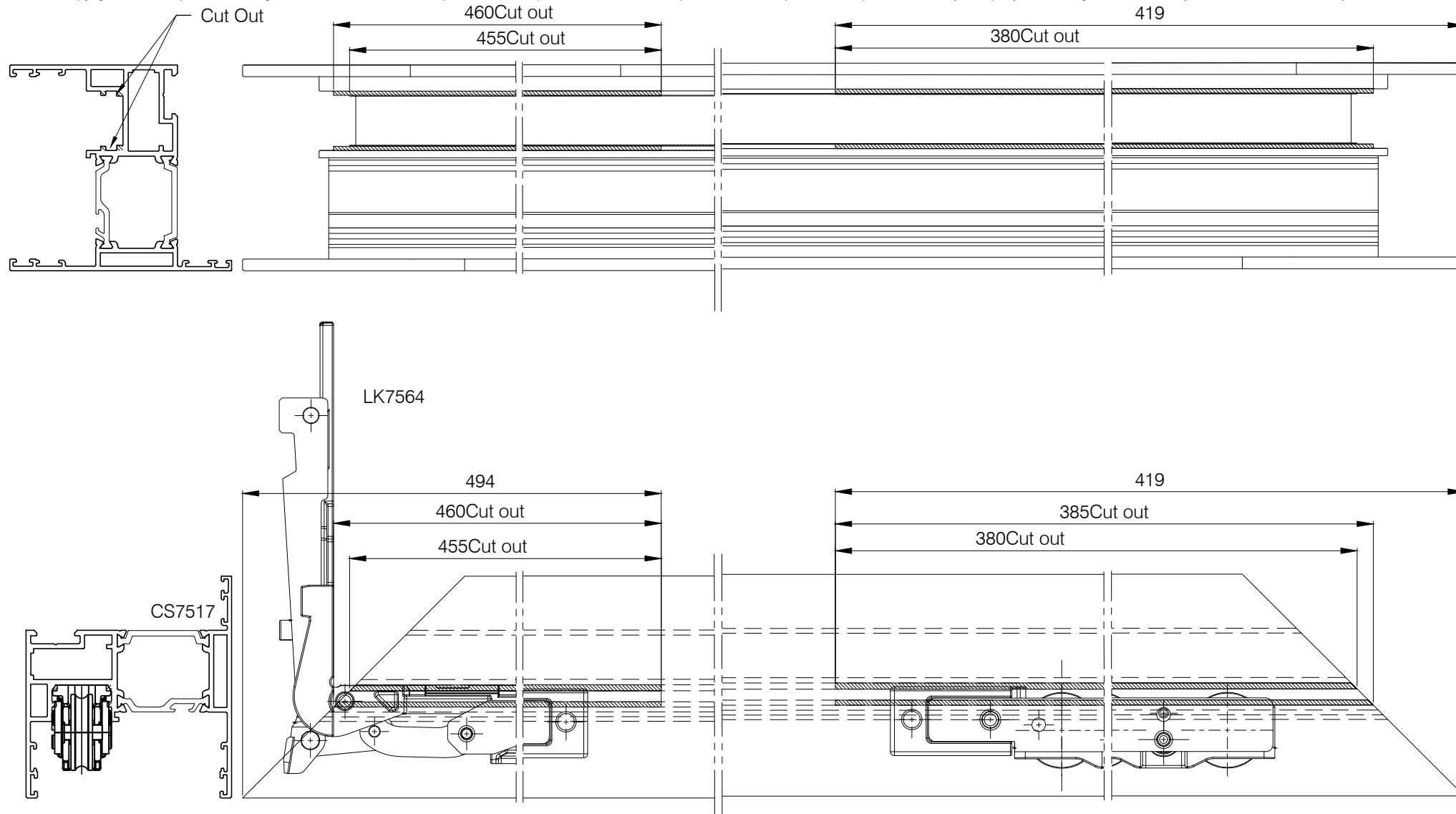


Fixed Leaf Jamb Fixing Preparation
Leaf CS7517

A4 Scale 1:1

R0 - 31/10/2017

4.16



comar 7P.i LS+

FABRICATION DETAILS

4

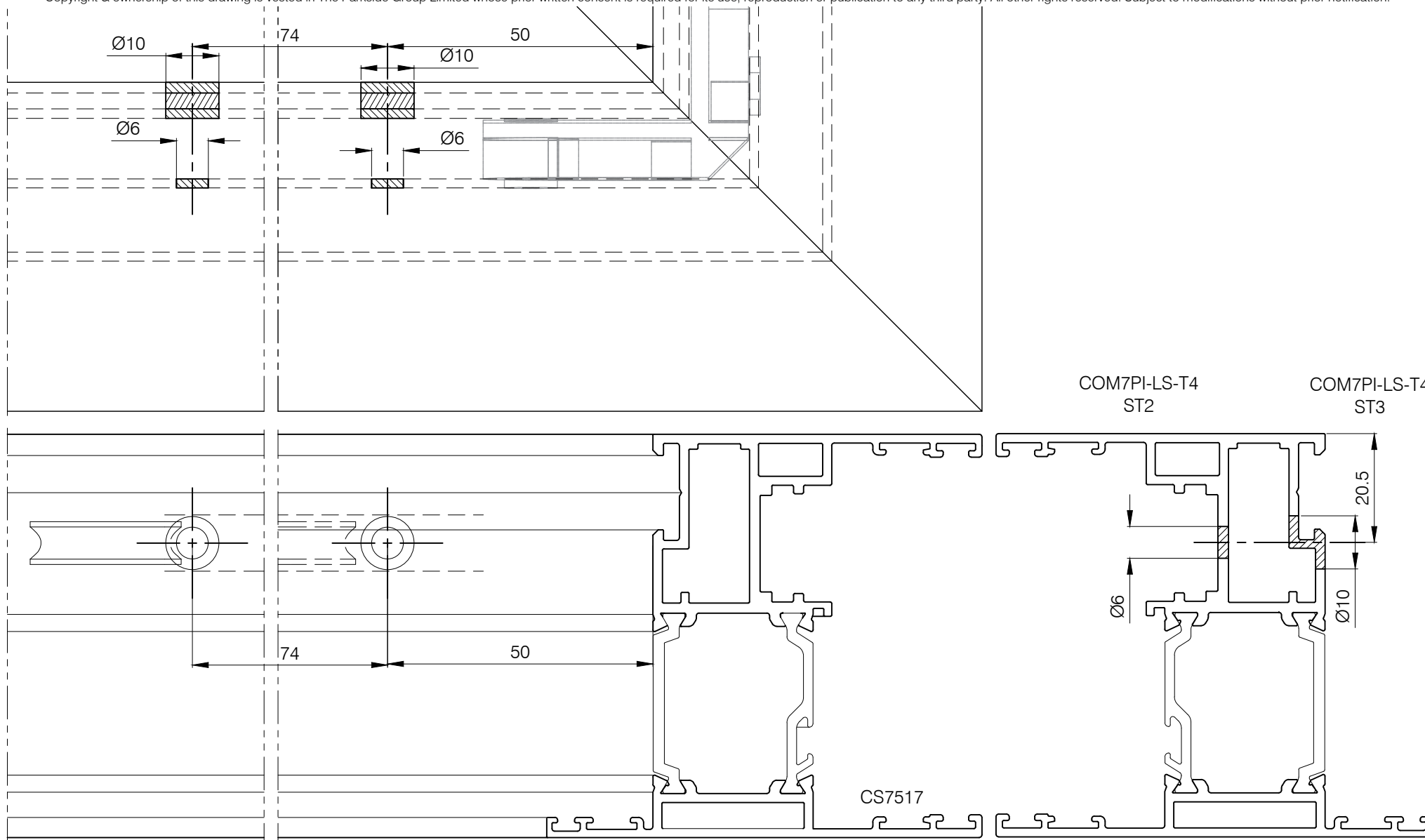


Hardware Preparation
Leaf CS7517 Cut out for
400 kg LK7564

A4 Scale 1:2

R0 - 24/08/2018

4.16.1



comar 7P.iLS+

FABRICATION DETAILS

4

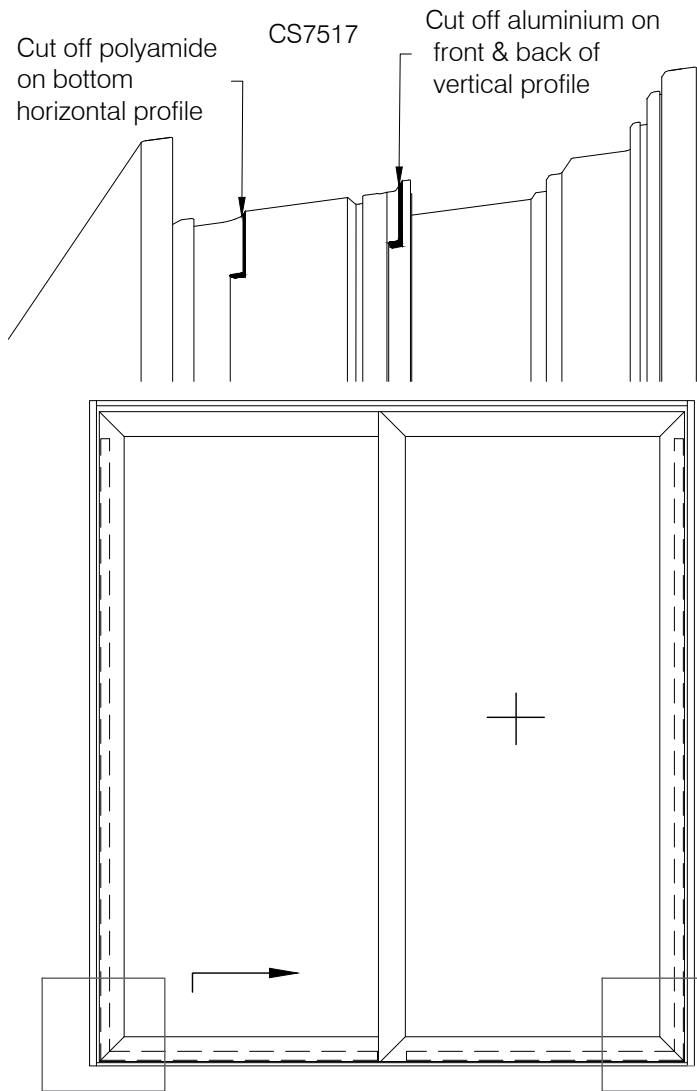


LK7580 Preparation
Leaf CS7517
150 kg In Line Slider

A4 Scale 1:1

R1 - 04/12/2019

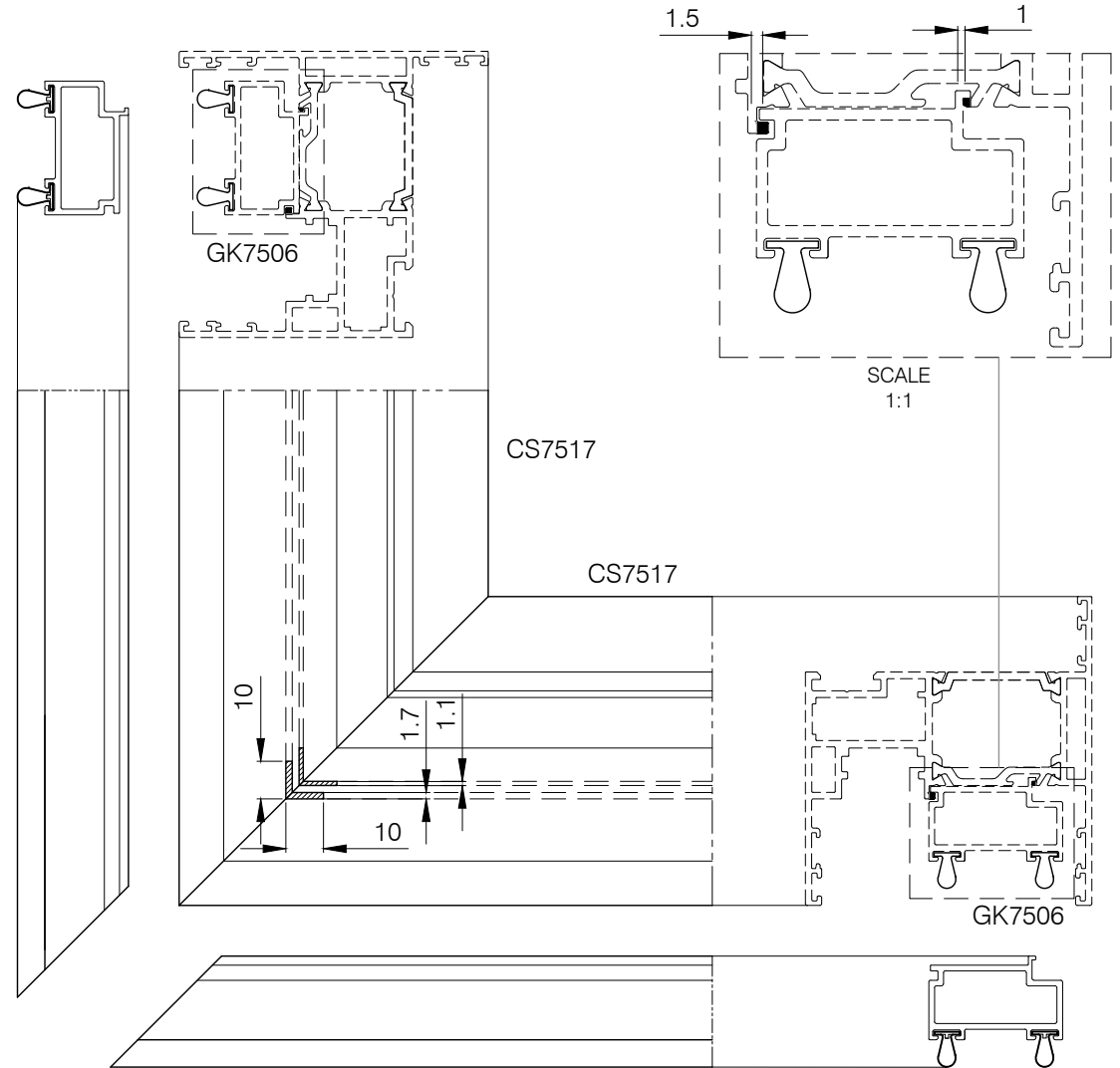
4.16.2



comar 7P.i LS+

FABRICATION DETAILS

4

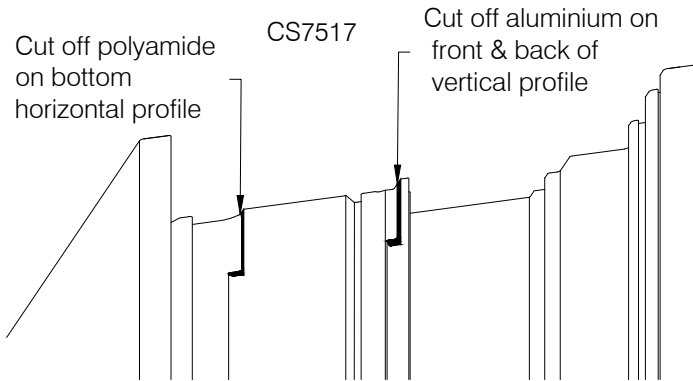


CS7517 - GK7506 - GK418
Leaf Preparation

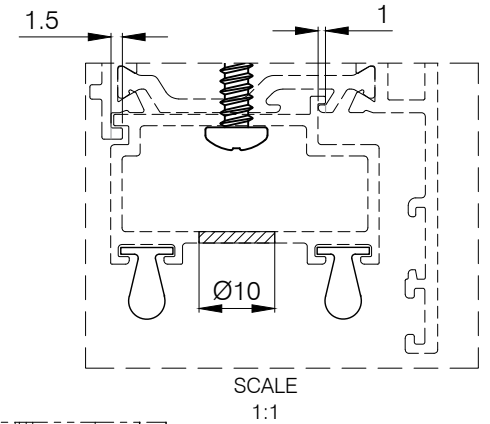
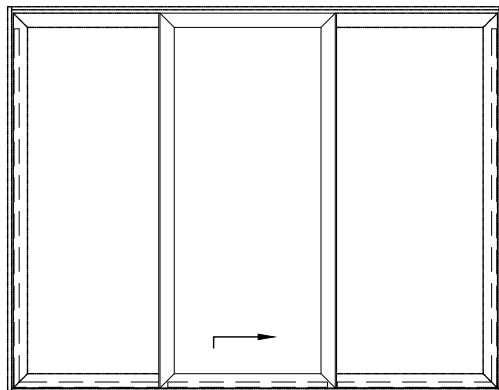
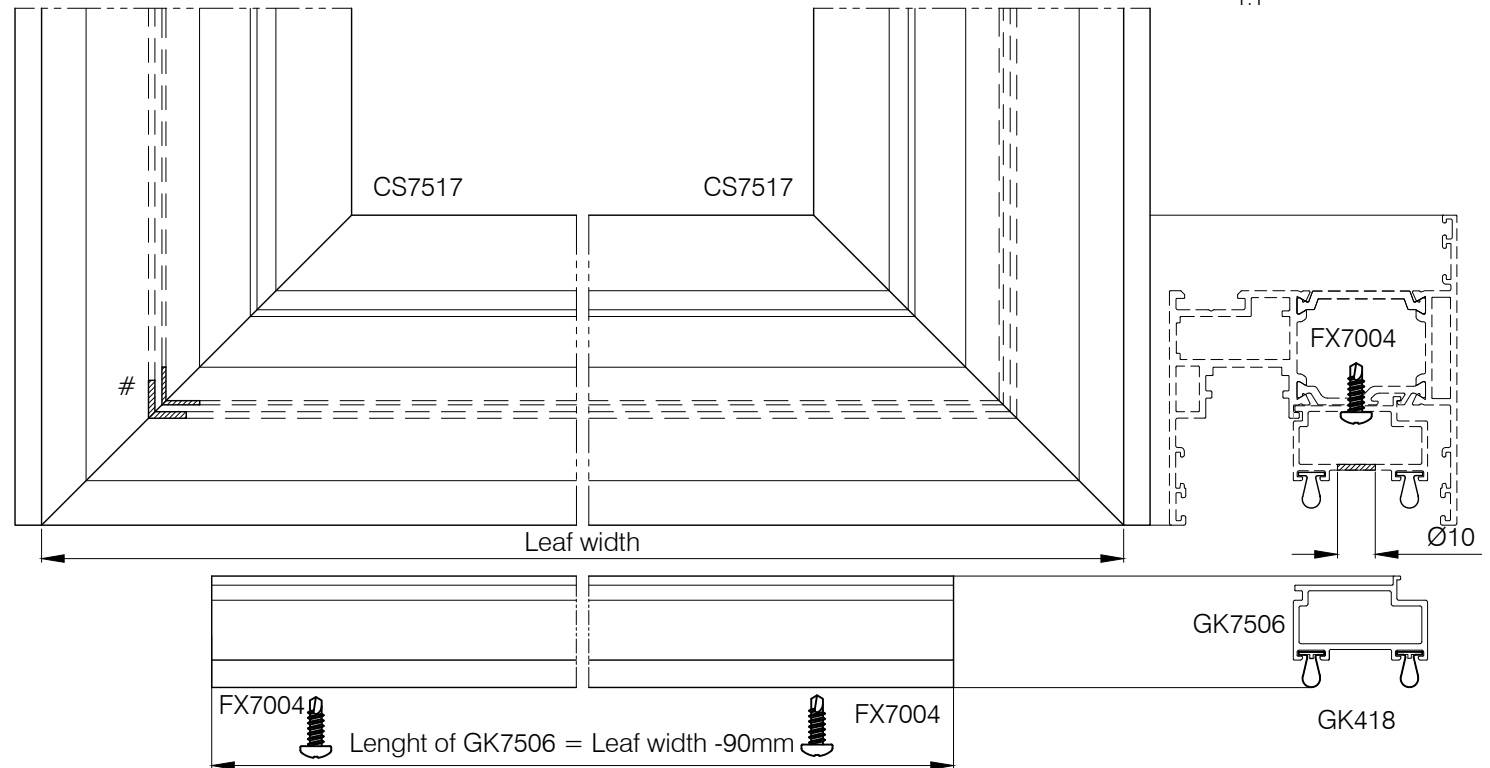
A4 Scale 1:2, NTS

R0 - 31/10/2017

4.17



#Notch CS7517 leaf corner



comar 7P.i LS+

FABRICATION DETAILS

4



CS7517 - GK7506 - GK418
Middle Leaf Preparation
Triple Door

A4 Scale 1:2, NTS

R0 - 04/12/2019

4.17.1

FUTURE
ADDITION

comar 7P.iLS+

FABRICATION DETAILS

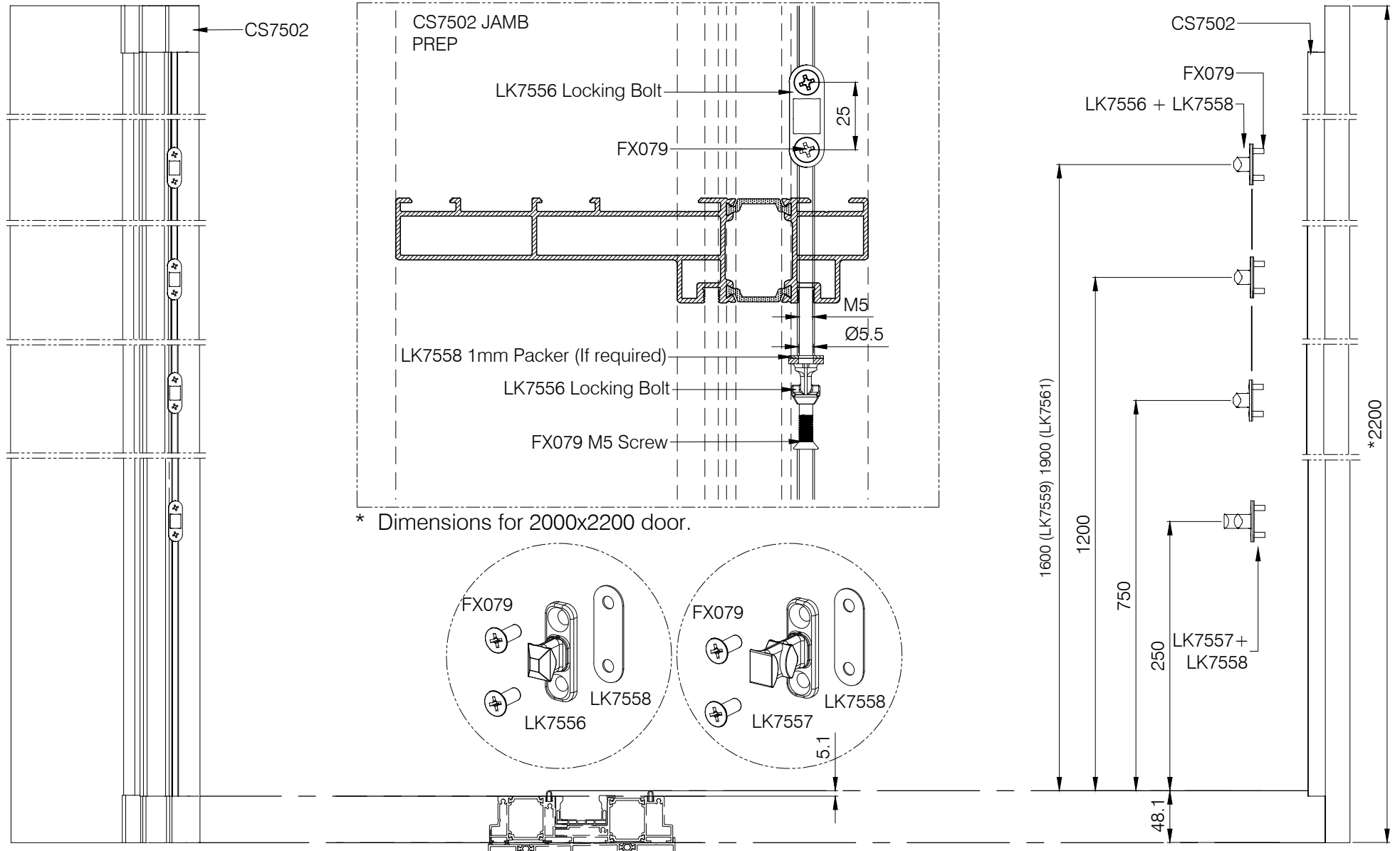
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A4 Scale NTS

R0 - 04/12/2019

4.17.2



* Dimensions for 2000x2200 door.

comar 7P.i LS+

FABRICATION DETAILS

4



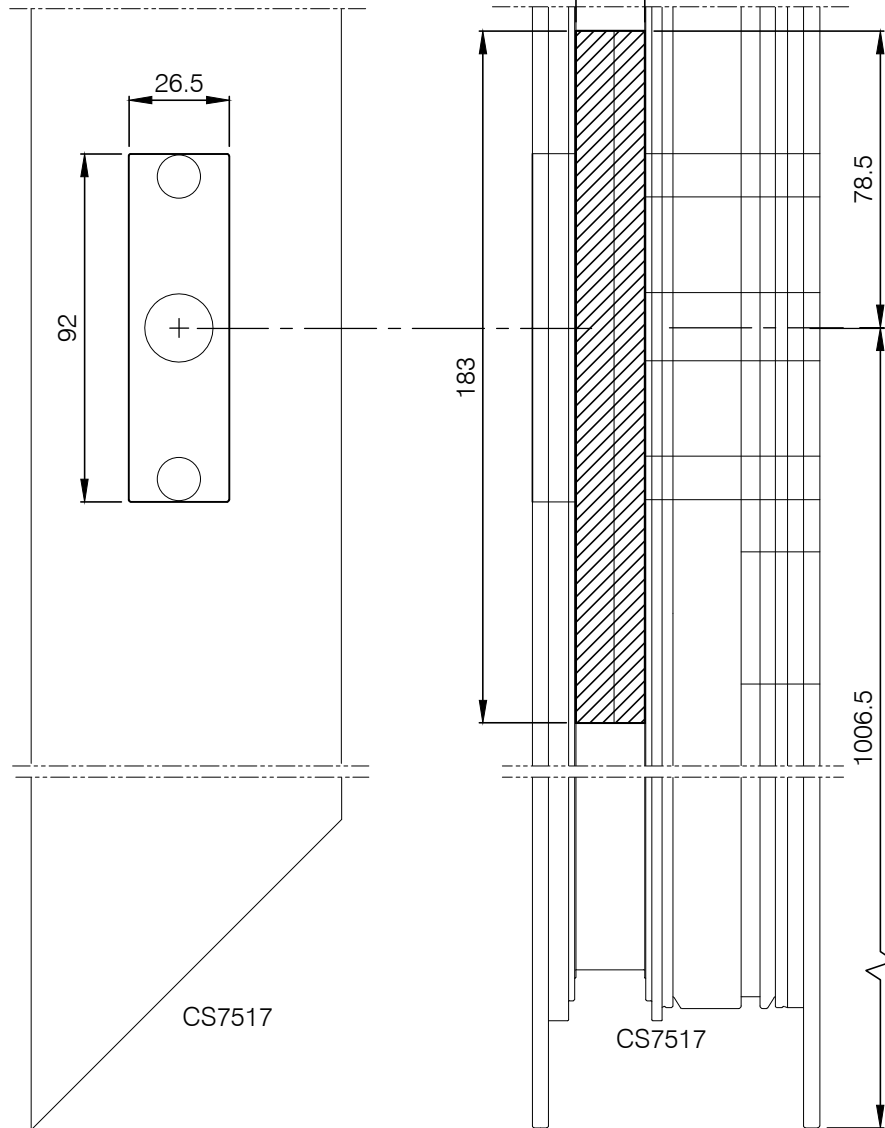
Fabrication Details
Active Leaf
Jamb Locking Bolt Positions

A4 1:20

R1 - 26/11/2018

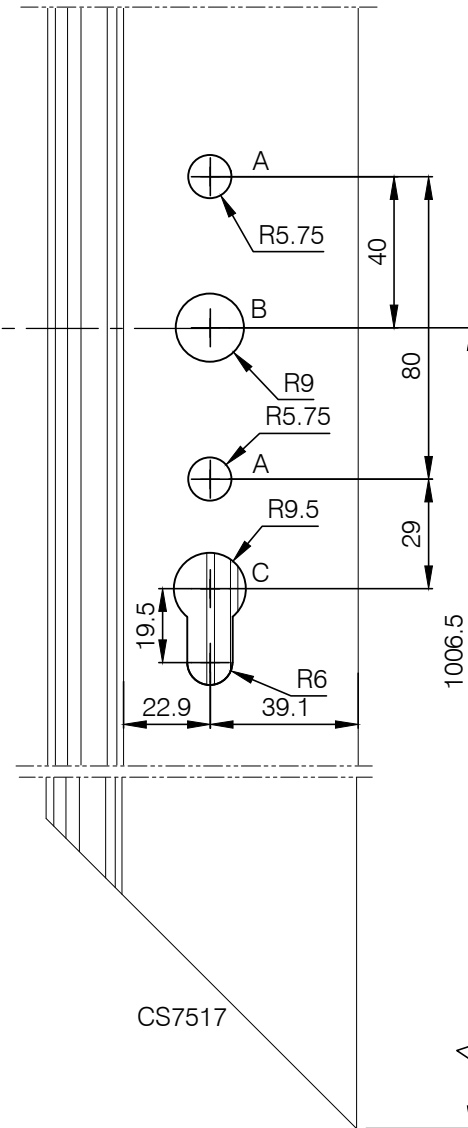
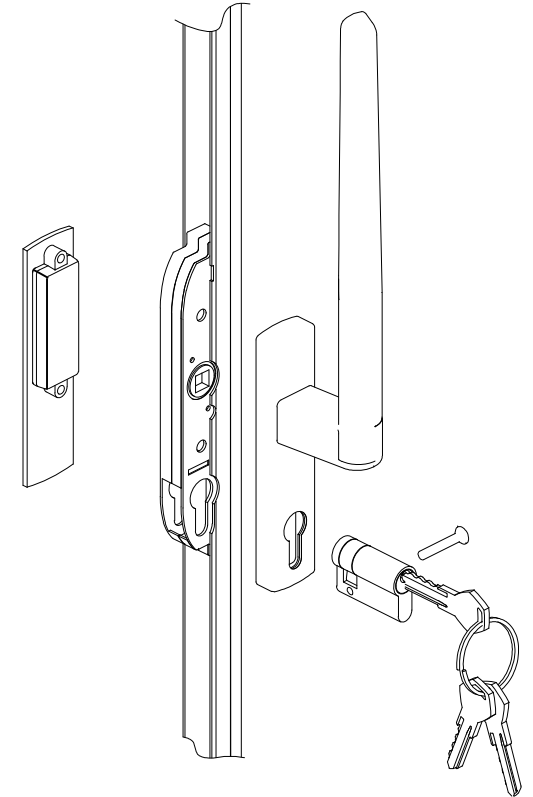
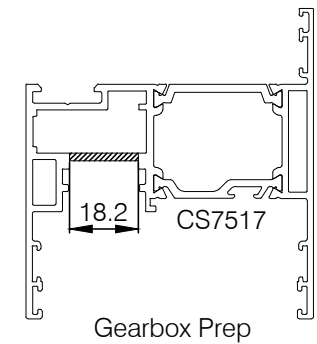
4.18

HD049 FLUSH PULL HANDLE STILE PREP



GEARBOX PREP

HD747 & HD746 HANDLE STILE PREP



comar 7P.iLS+

FABRICATION DETAILS

4

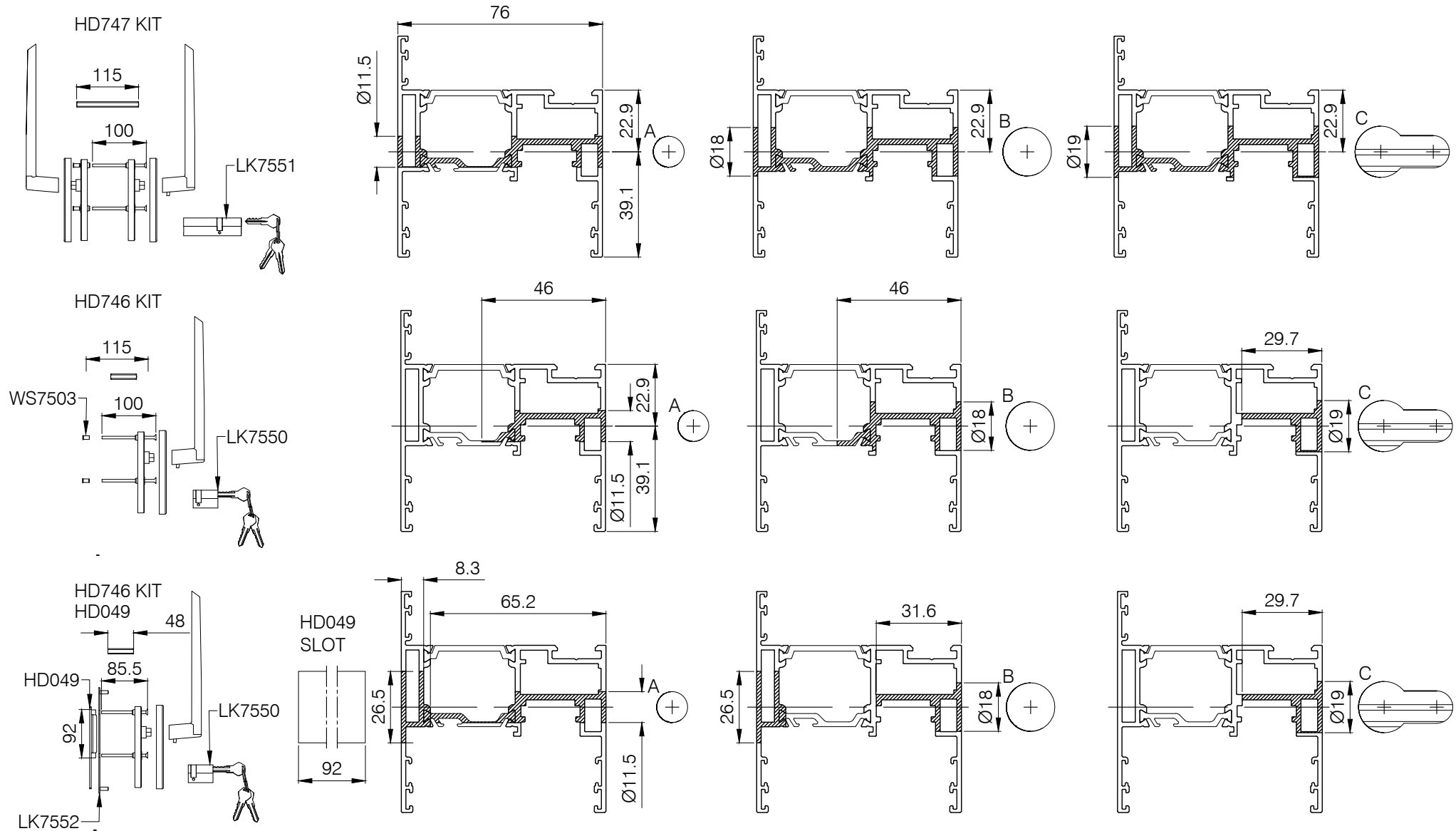


Fabrication Details
Lock & Locking Bolt
Stile Preparation

A4 Scale 1:2

R1 - 26/11/2018

4.19



comar 7P.i LS+

FABRICATION DETAILS

4

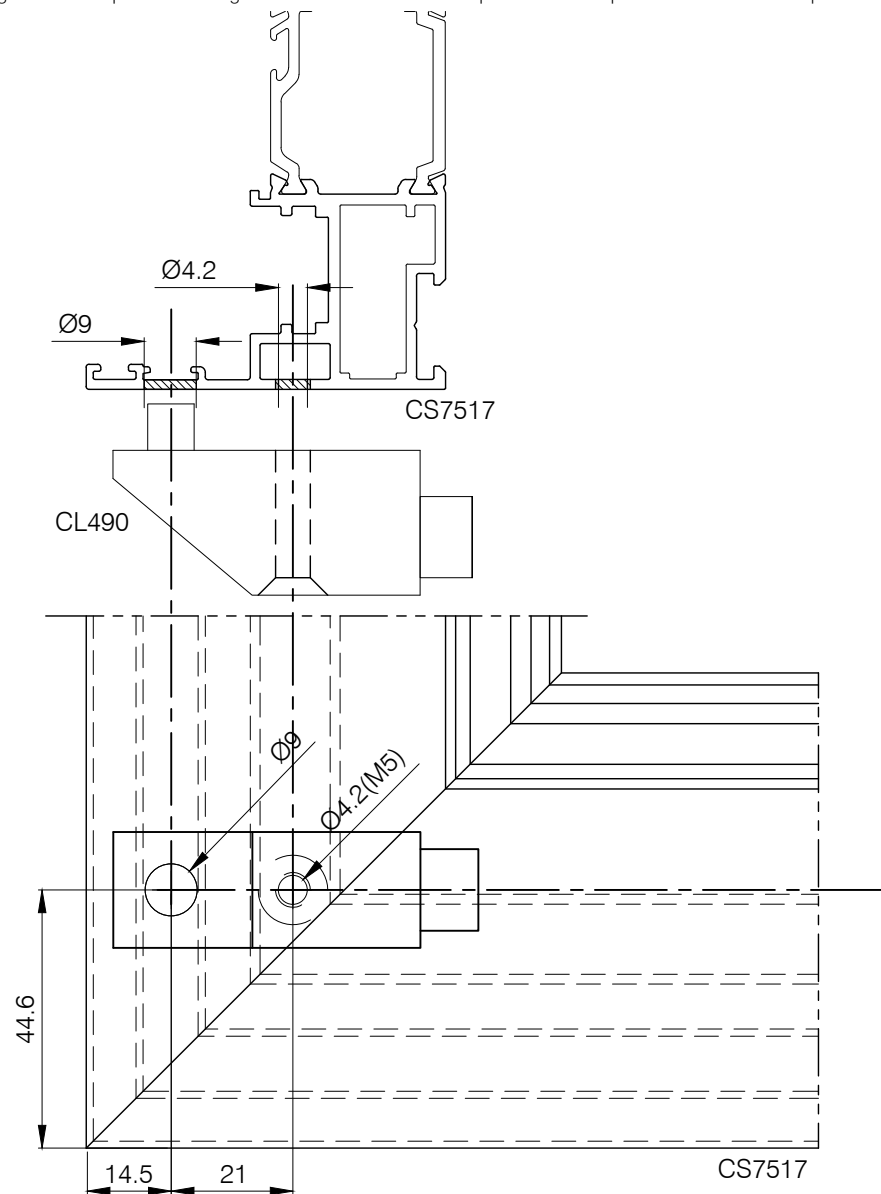
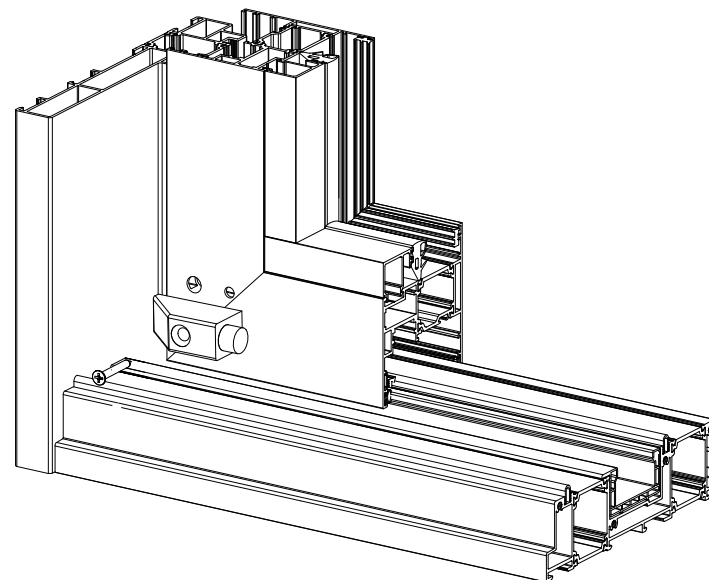
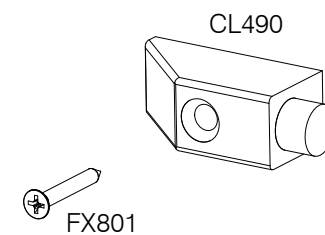


Fabrication Details
Stile CS7517 Preparation
for Locking Kit

A4 Scale

R0 - 31/10/2017

4.20



comar 7P.i LS+

INSTALLATION

4

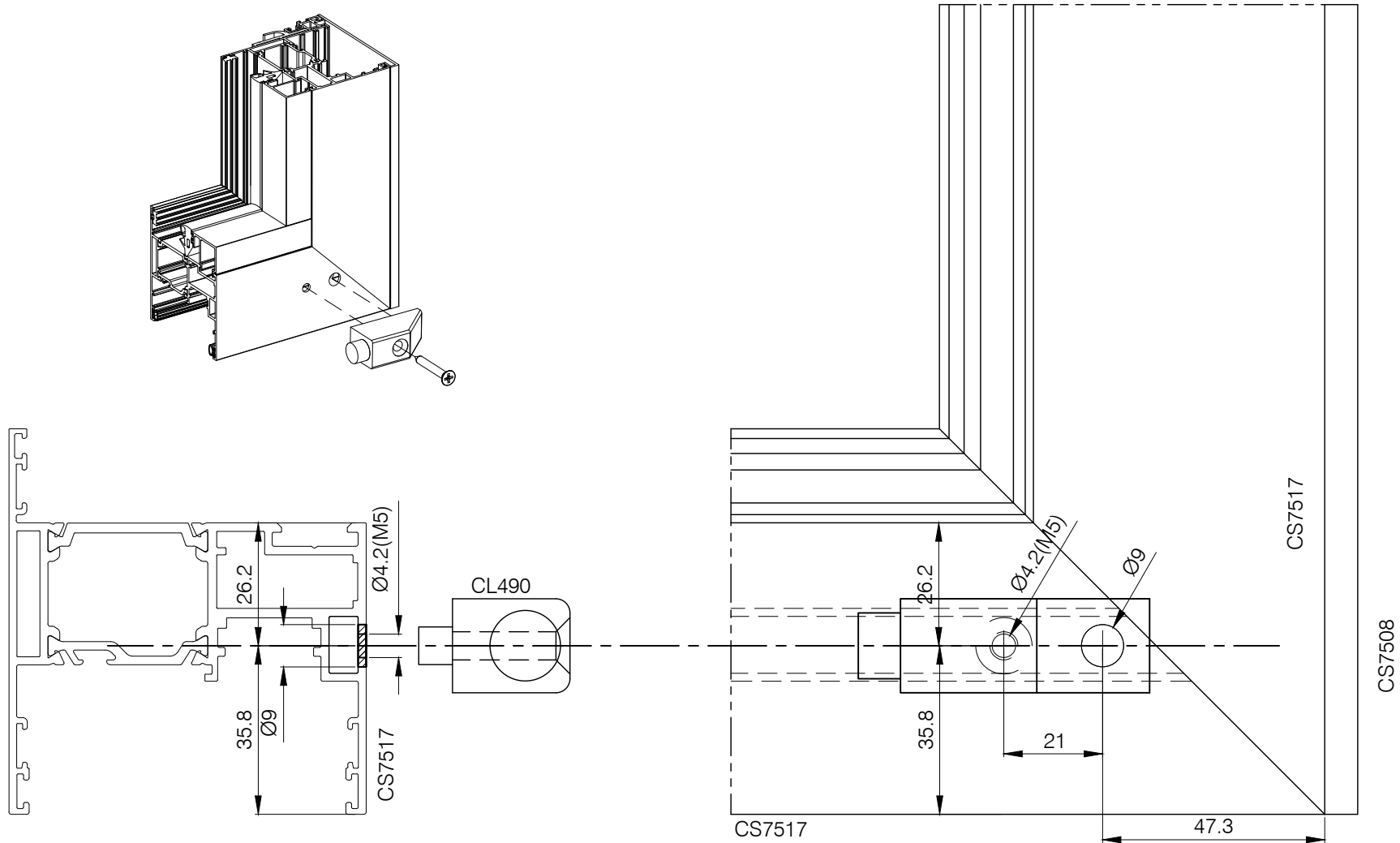


DoubleTrack Door
CL490 Door Buffer
Fixed Leaf CS7517

A4 Scale NTS

R0 - 31/10/2017

4.21



comar 7P.i LS+

FABRICATION DETAILS

4

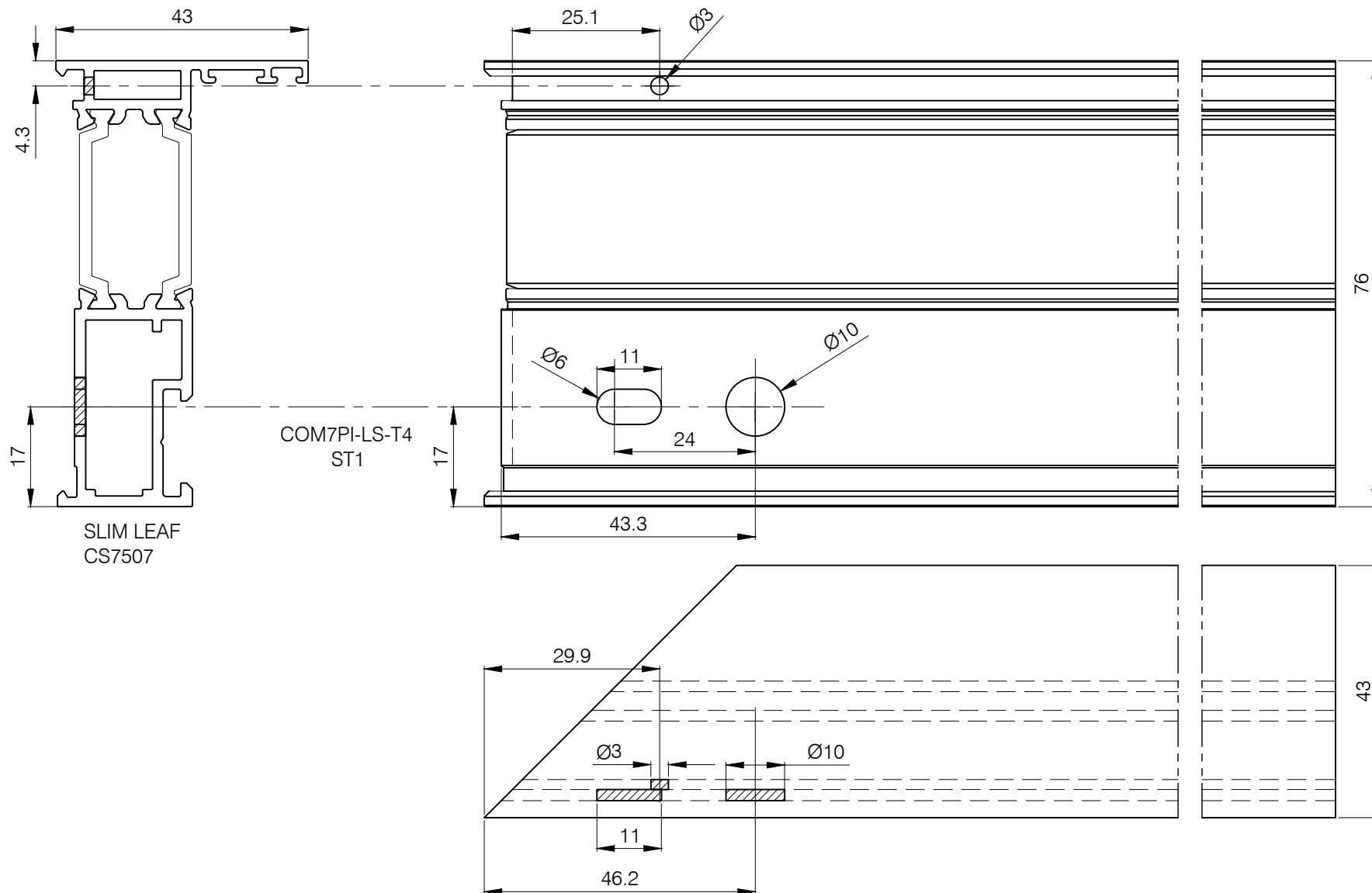


Double & Triple Track Door
CL490 Door Buffer CS7517
Leaf with Handle

A4 Scale NTS

R0 - 31/10/2017

4.22



comar 7P.iLS+

FABRICATION DETAILS

4

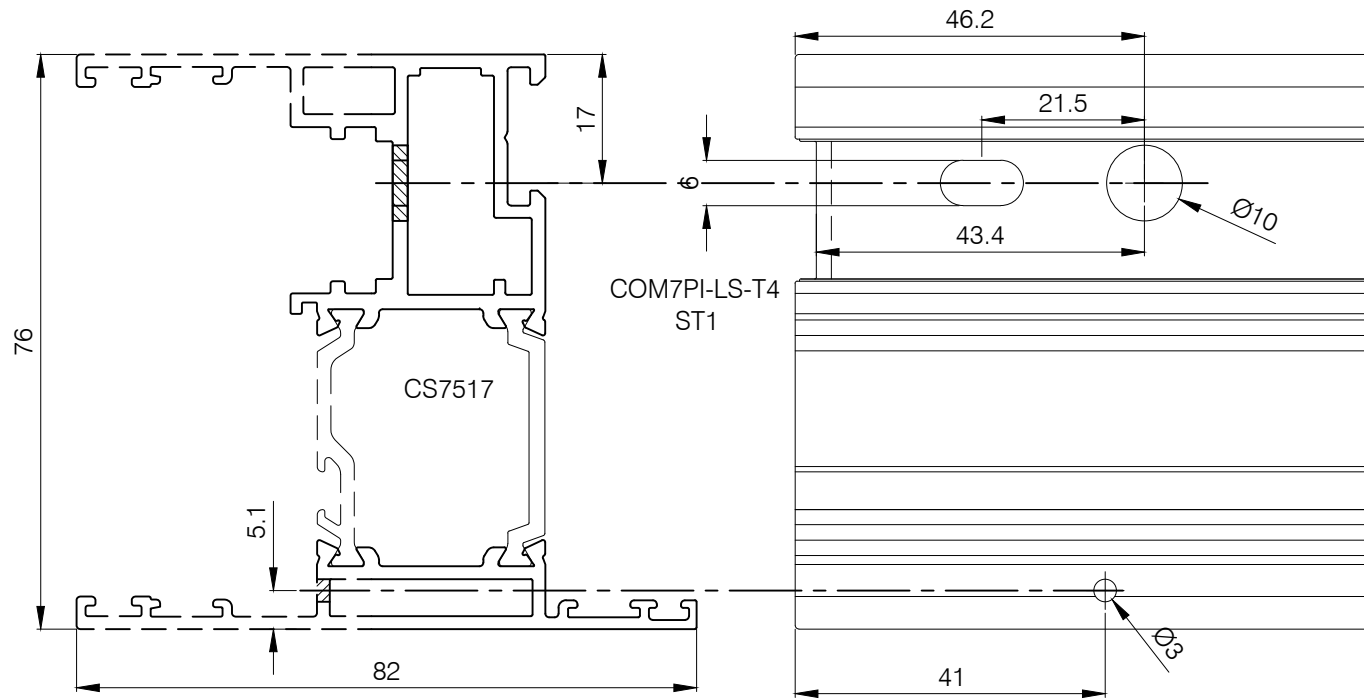
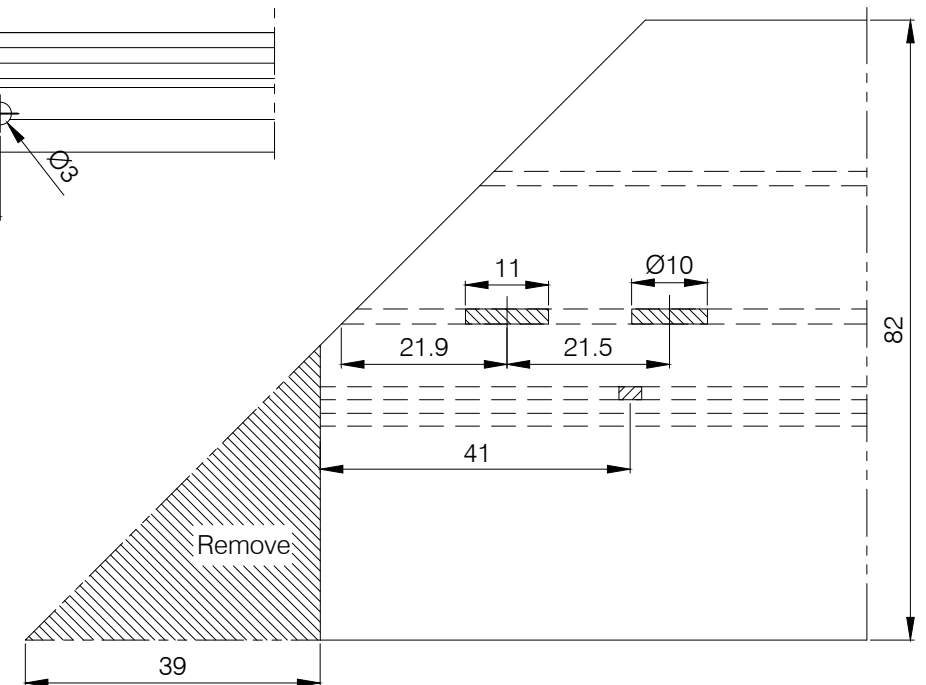


Cleat Holes Preparation
Slim Interlock- CS7507

A4 Scale 1:1

R1 - 04/12/2019

4.23



comar 7P.iLS+

FABRICATION DETAILS

4

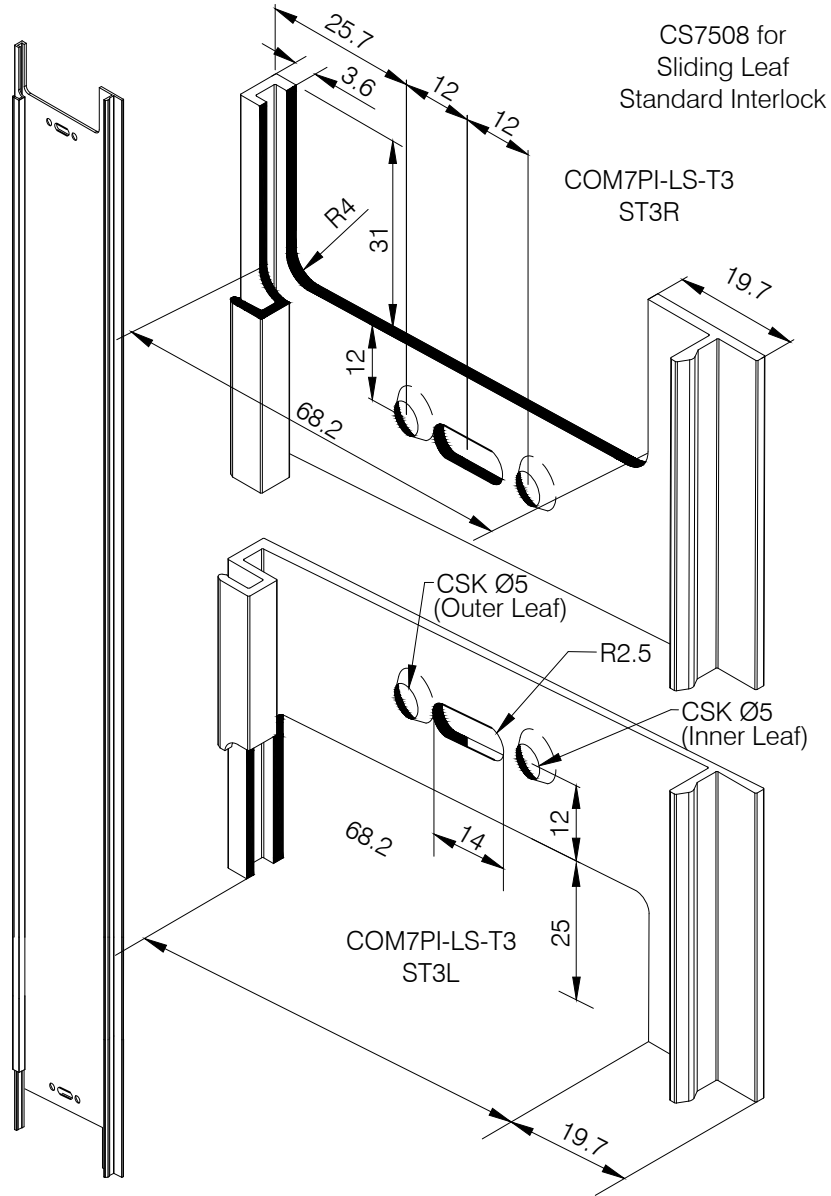
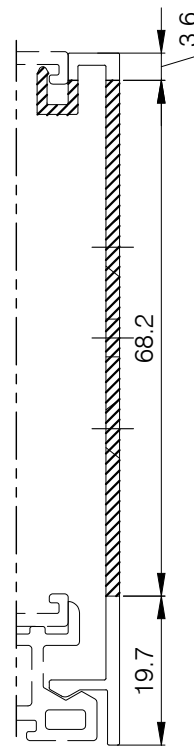
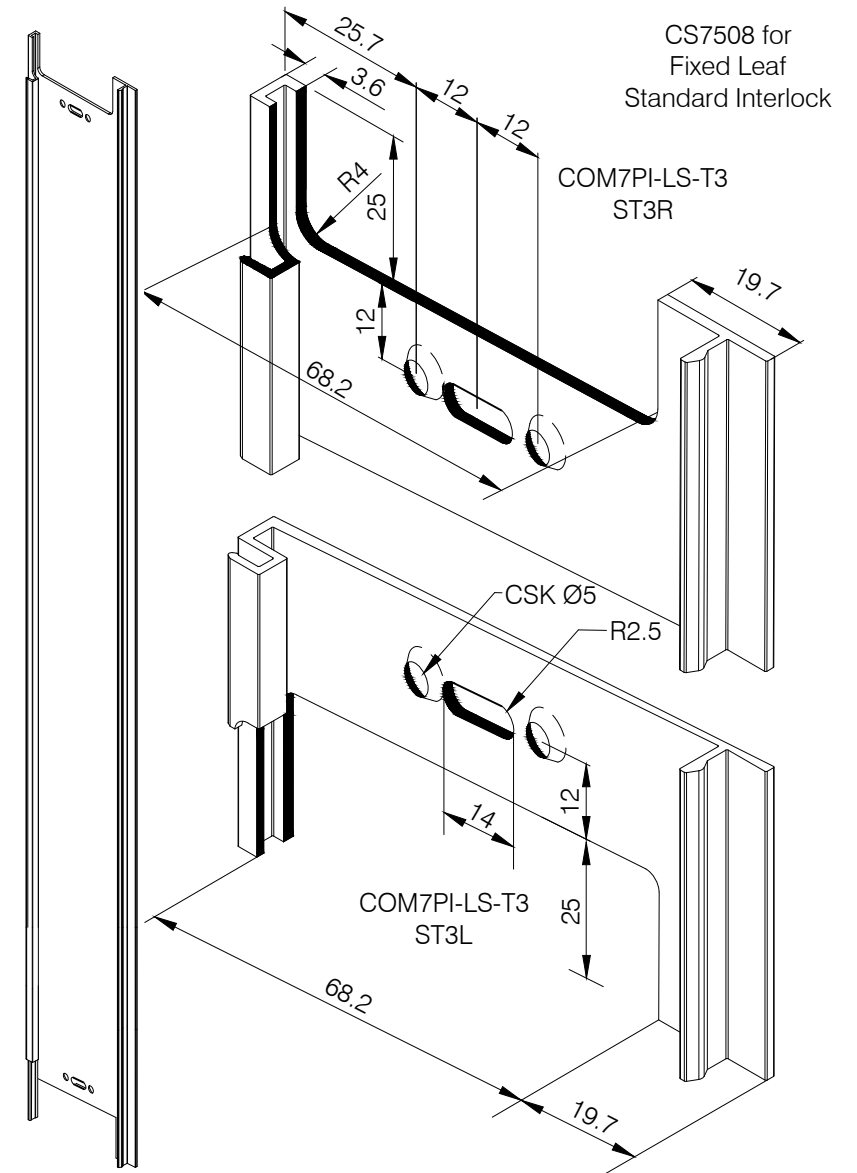


Cleat Holes Preparation
Slim Interlock -CS7517

A4 Scale 1:1

R1 - 04/12/2019

4.24



comar 7P.iLS+

FABRICATION DETAILS

4

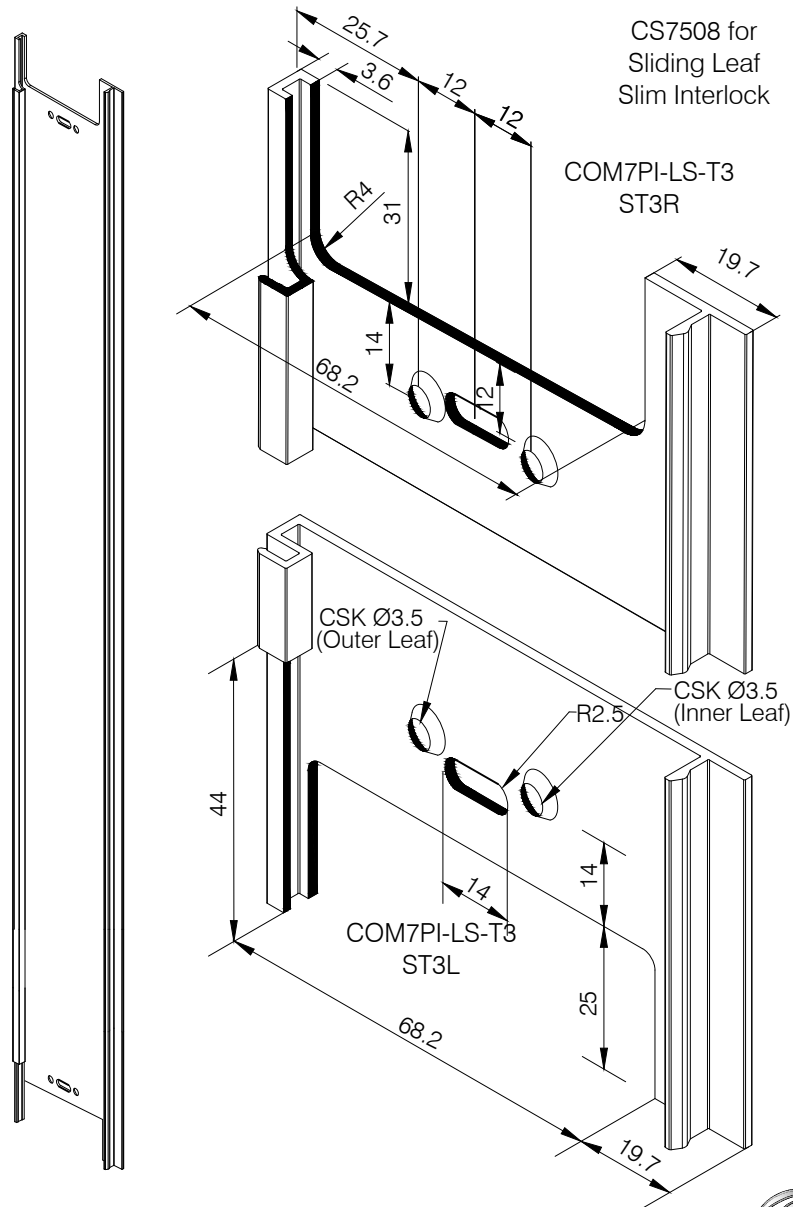
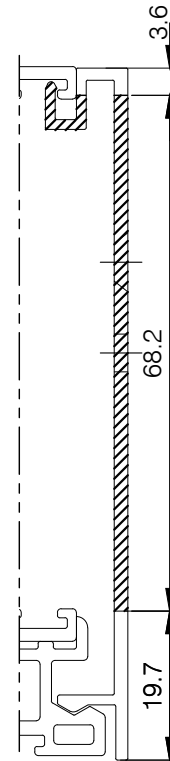
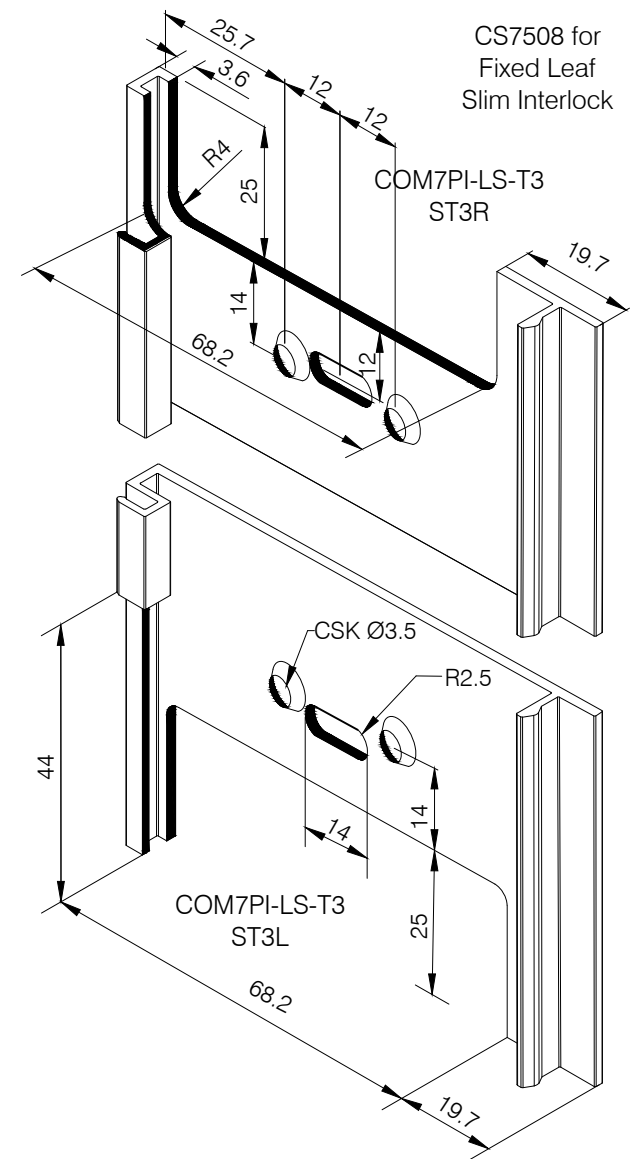


Cover Cap Preparation
Standard Interlock
Interlock Closer CS7508 Cutting Details

A4 Scale 1:1-NTS

R1 - 04/12/2019

4.25



comar 7P.iLS+

FABRICATION DETAILS

4

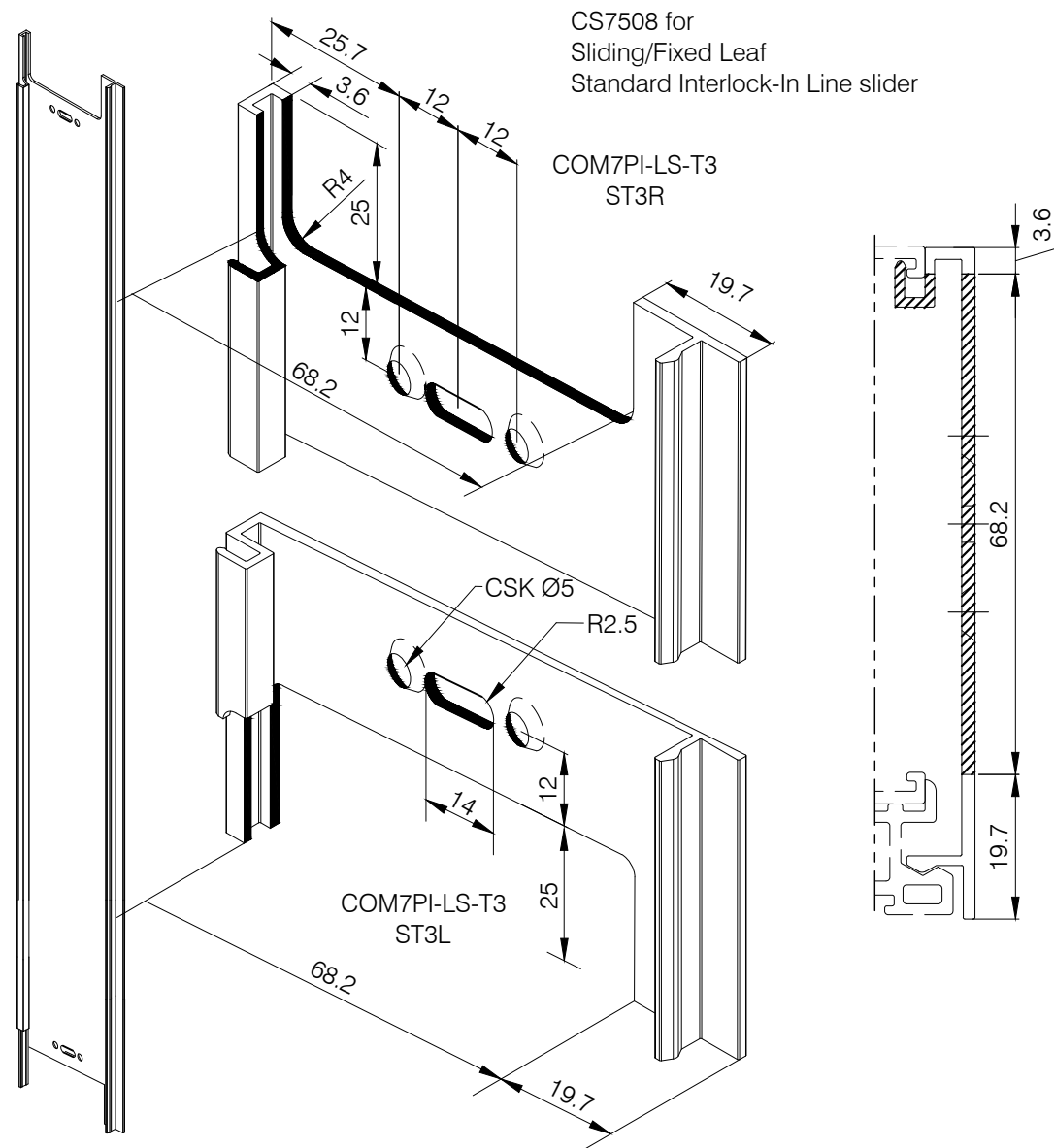


Cover Cap Preparation
Slim Interlock
CS7508 Cutting Details

A4 Scale 1:1-NTS

R1 - 04/12/2019

4.26



FUTURE
ADDITION

comar 7P.iLS+

FABRICATION DETAILS

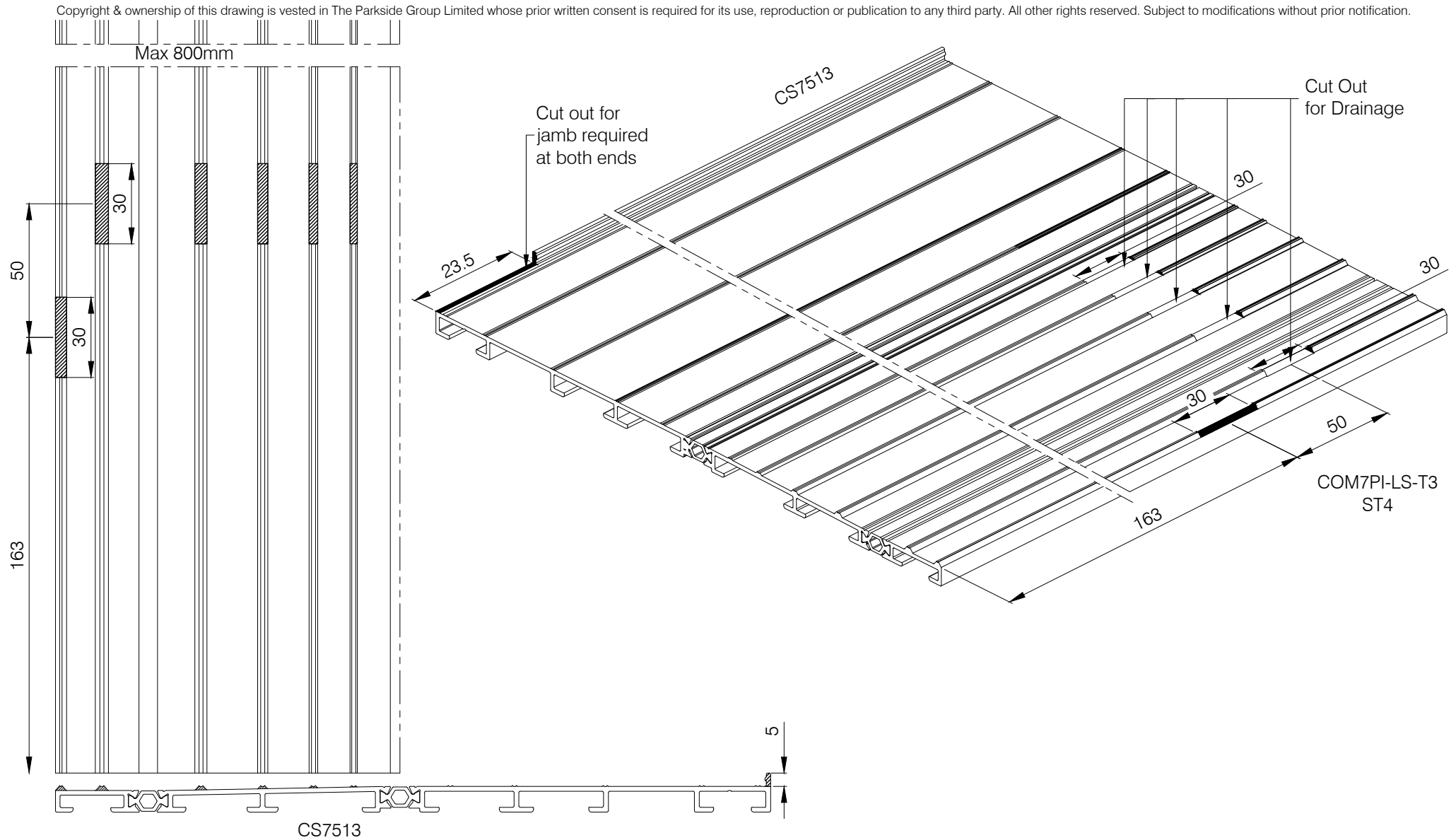
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A4 Scale 1:1

R0 - 04/12/2019

4.26.2



comar 7P.iLS+

FABRICATION DETAILS

4

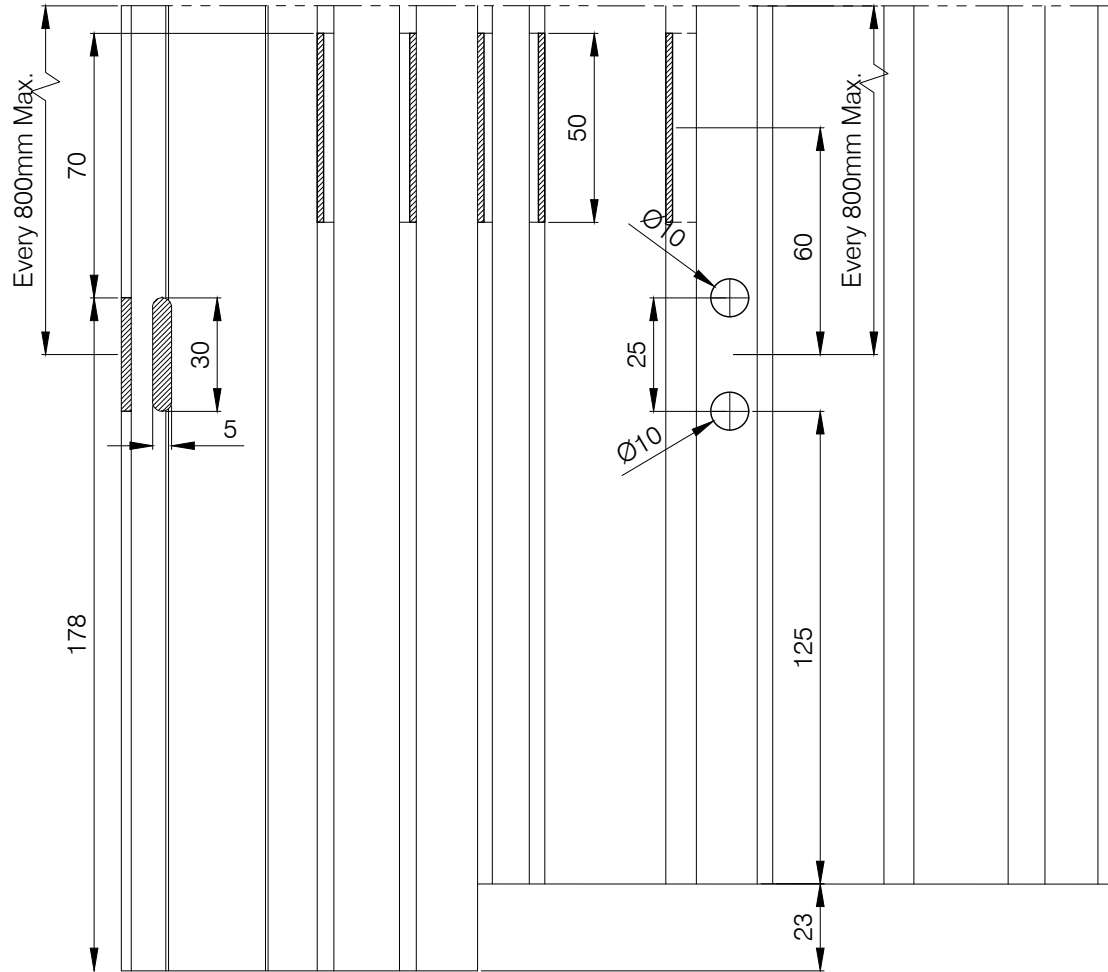
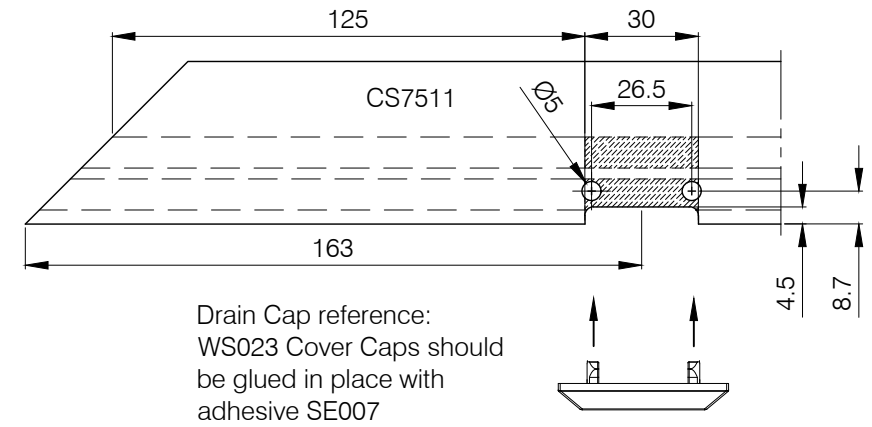
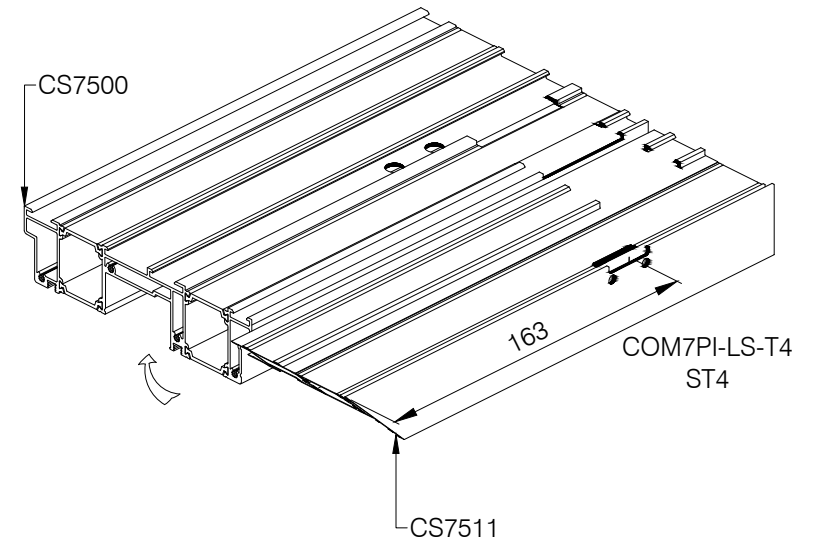
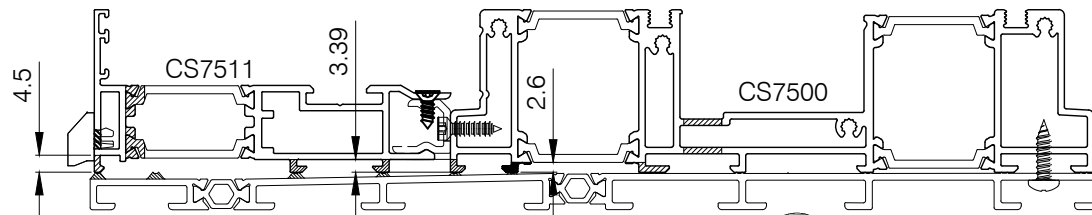


Triple Track Door
CS7513 Cut Out for
Drainage & Jamb

A4 Scale 1:2

R1 - 04/12/2019

4.27



comar 7P.iLS+

FABRICATION DETAILS

4

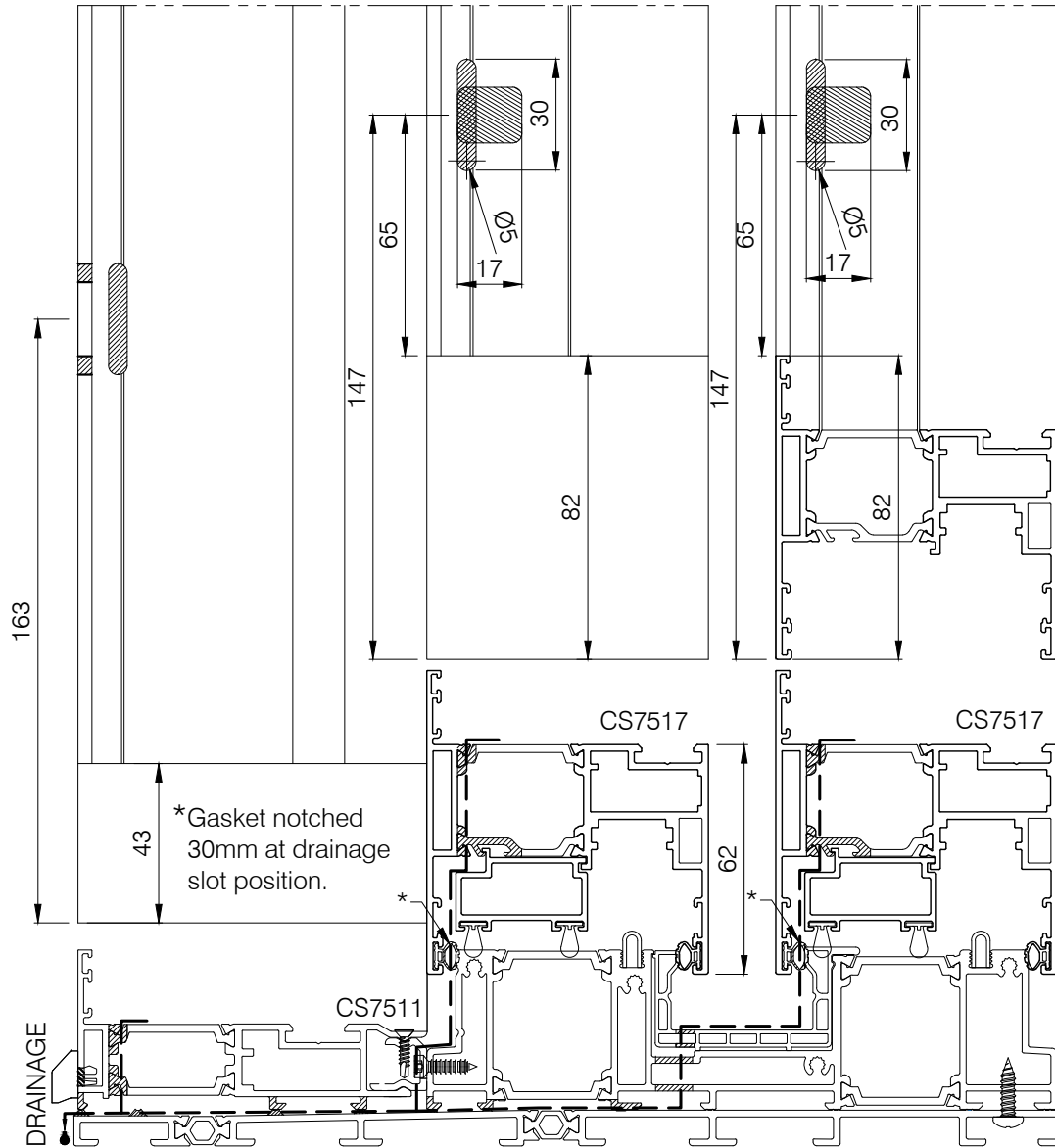
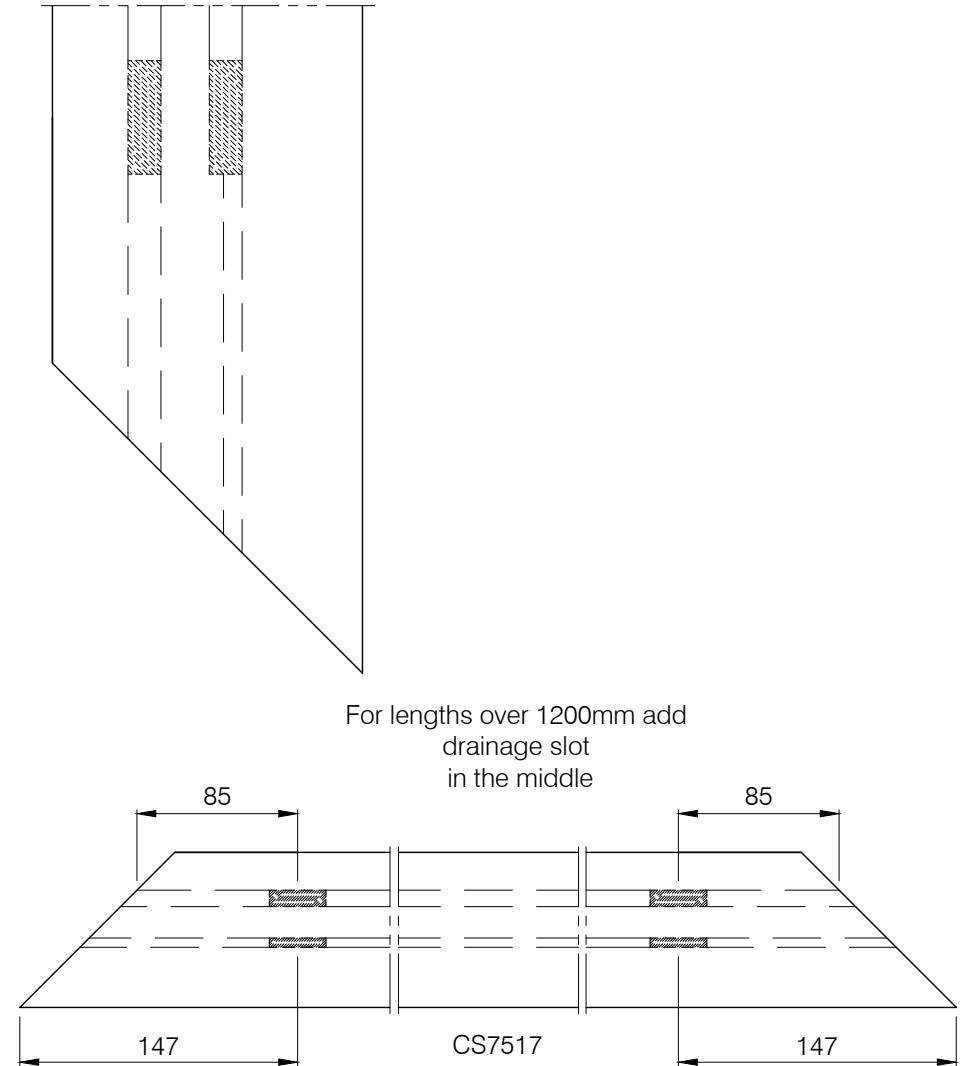


Triple Track Door
Drainage Preparations
Threshold CS7511 & CS7500

A4 Scale 1:2

R1 - 04/12/2019

4.28



comar 7P.i LS+

FABRICATION DETAILS

4

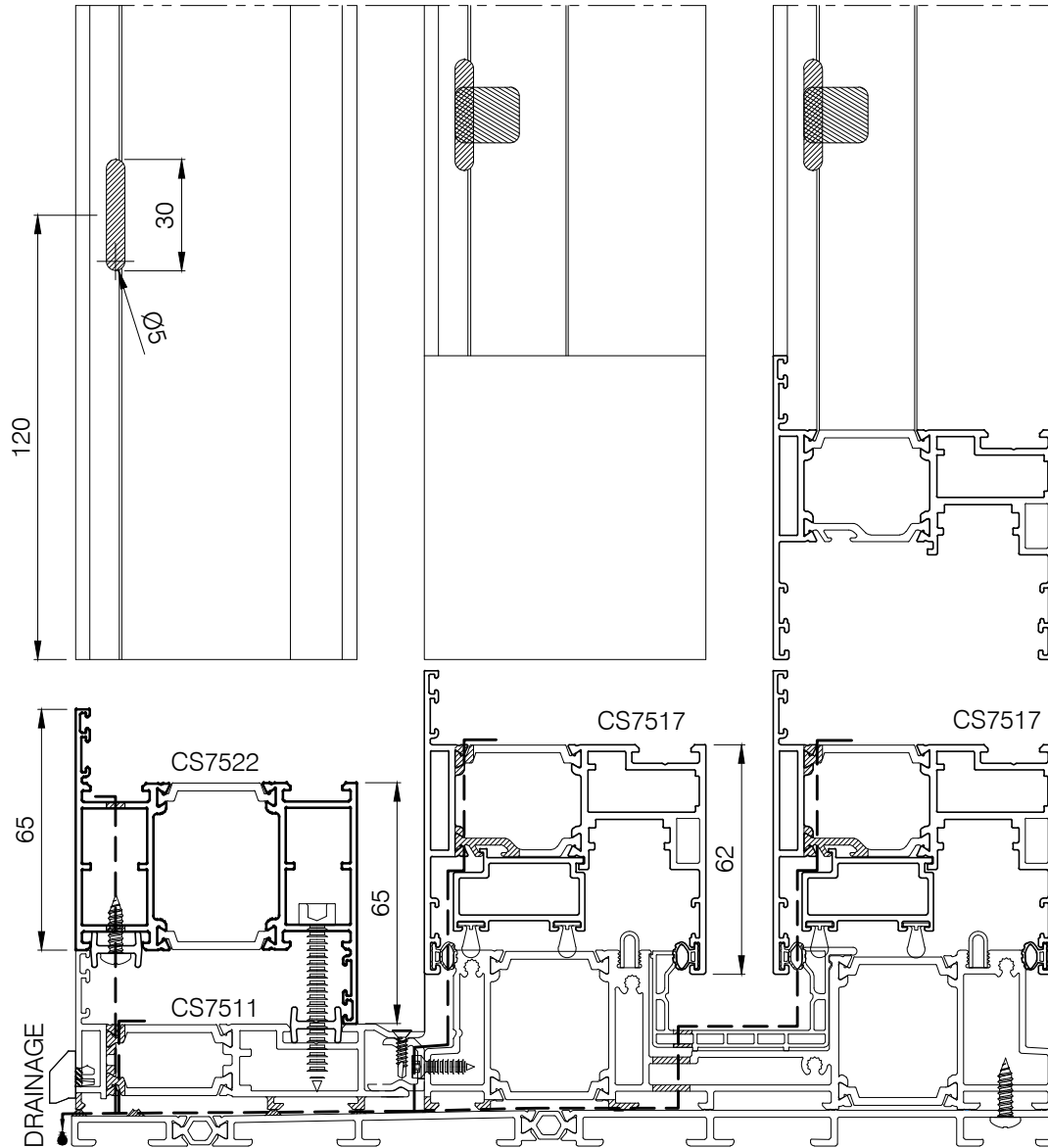
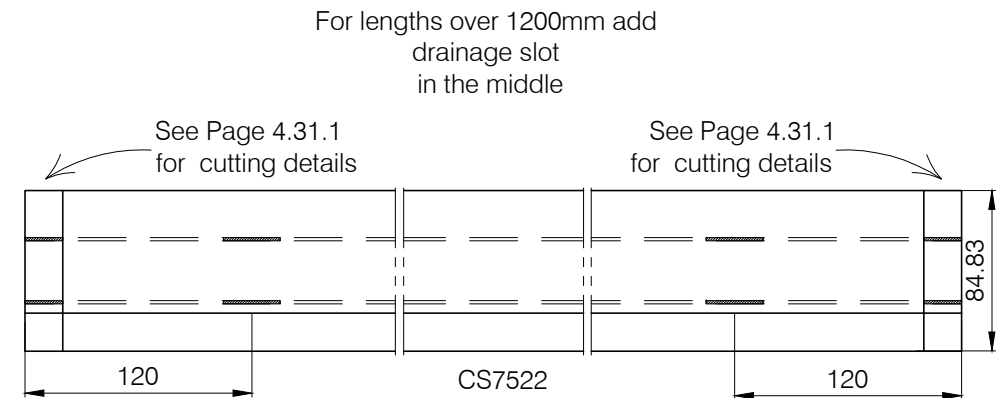


Triple Track Door
Drainage Details
Leaf CS7517 Preparation

A4 Scale 1:2

R0 - 31/10/2017

4.29



comar 7P.iLS+

FABRICATION DETAILS

4

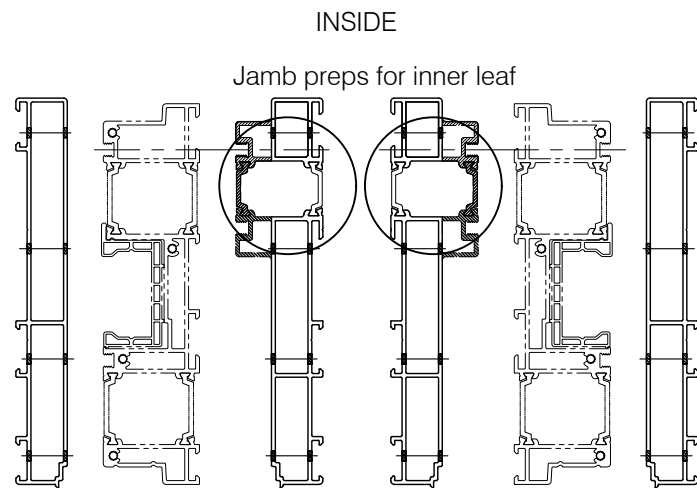


Triple Track Door
Drainage Details
Transom CS7522 Preparation

A4 Scale 1:2

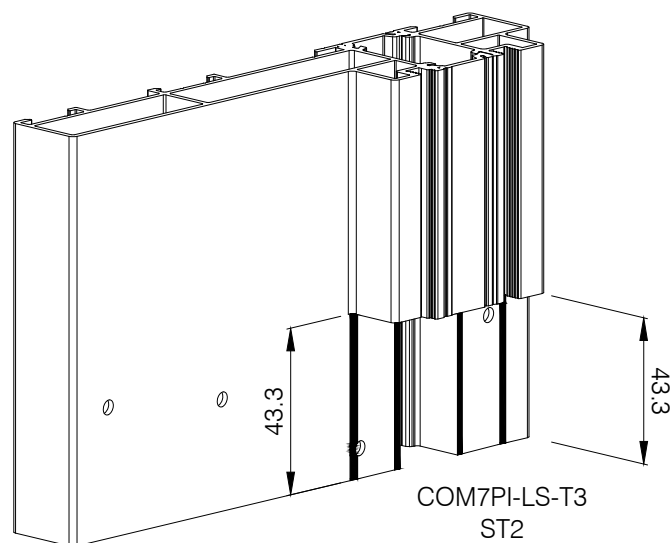
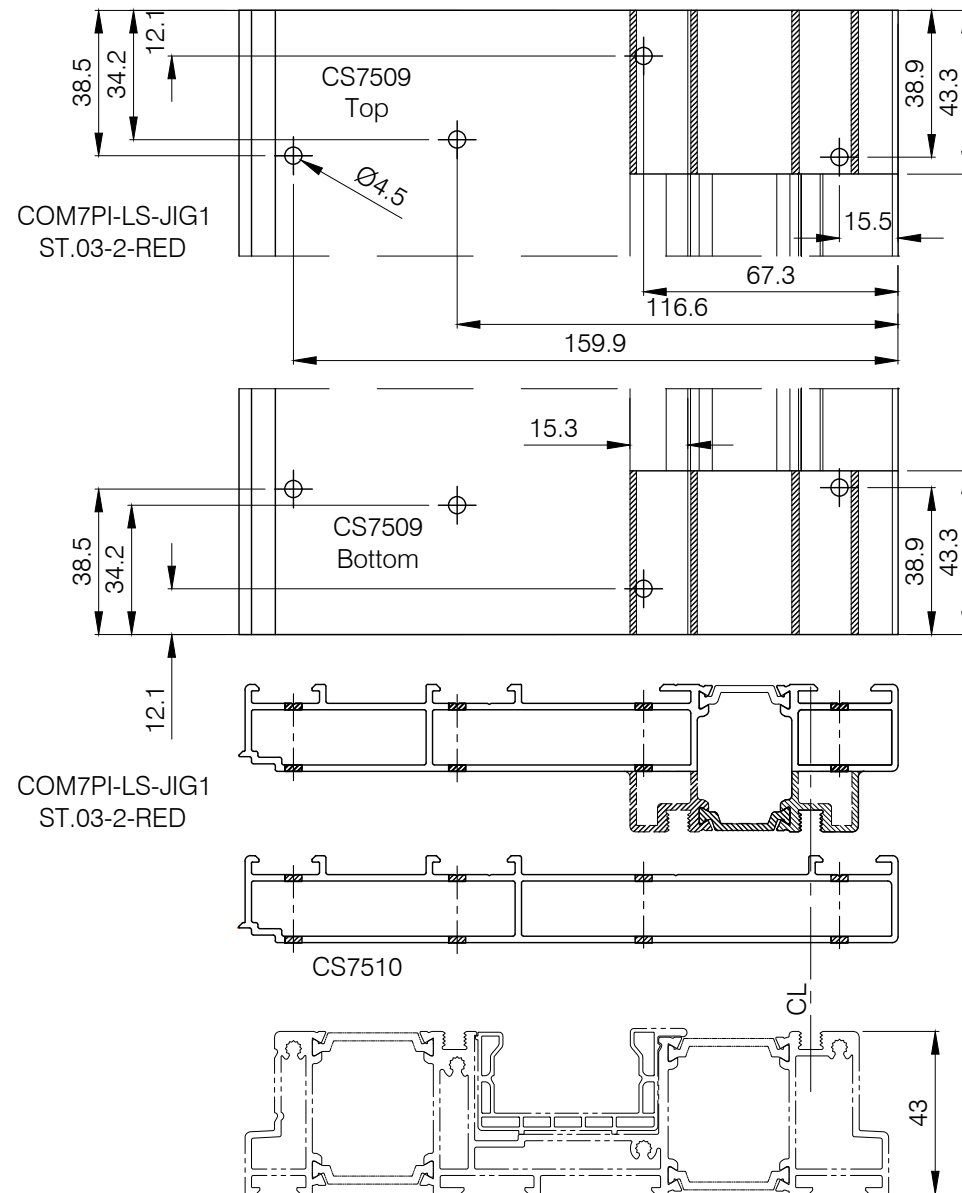
R0 - 22/11/2018

4.29.1



OUTSIDE

Jamb prep for inner leaf



comar 7P.iLS+

FABRICATION DETAILS

4



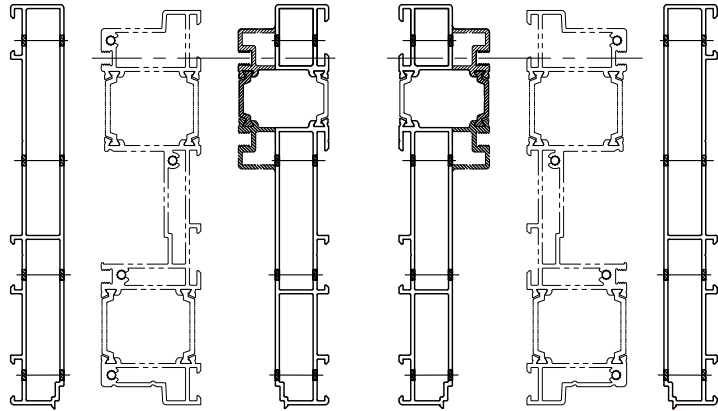
Triple Track Door
Jamb Preparation
Inner Leaf Detail

A4 Scale 1:2

R1 - 04/12/2019

4.29.2

INSIDE

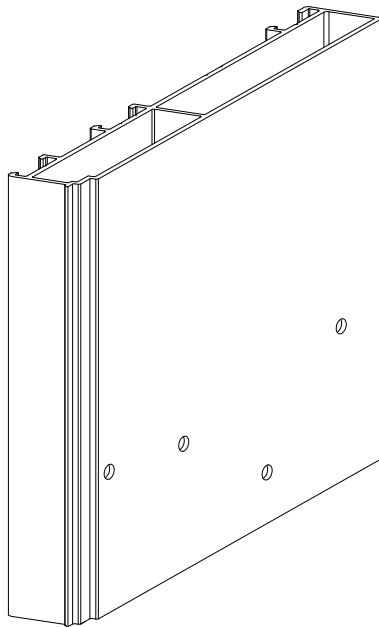


Jamb prep for outer leaf

OUTSIDE

Jamb prep for outer leaf

Jamb prep for
outer leaf



comar 7P.iLS+

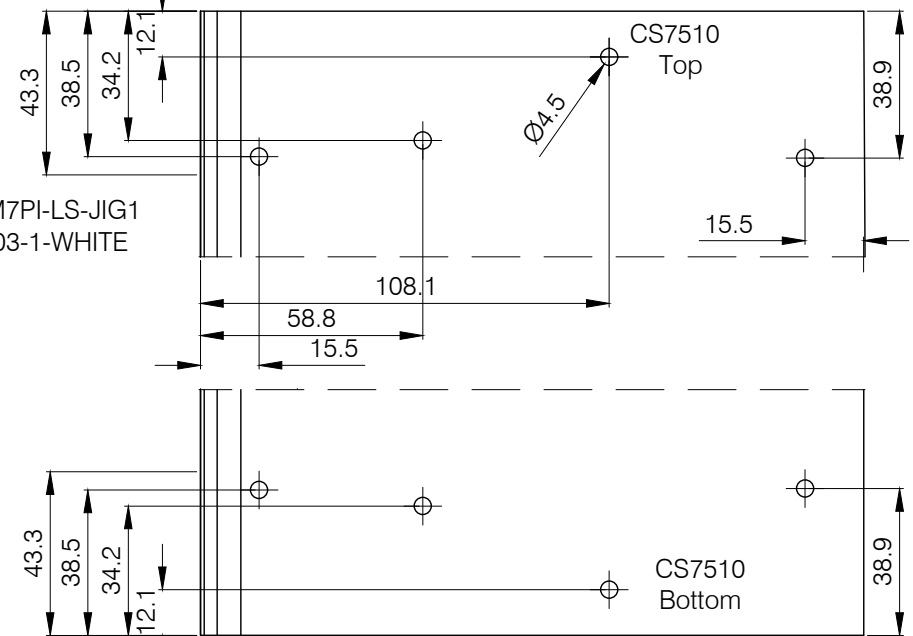
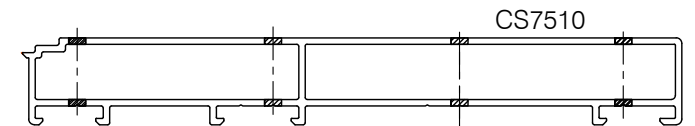
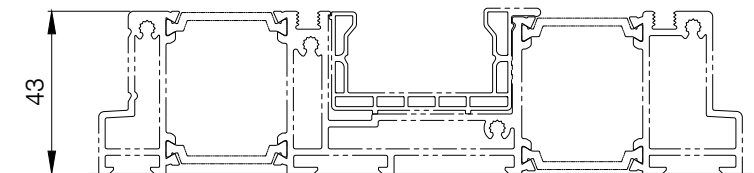
FABRICATION DETAILS

4



COM7PI-LS-JIG1
ST.03-1-WHITE

COM7PI-LS-JIG1
ST.03-1-WHITE

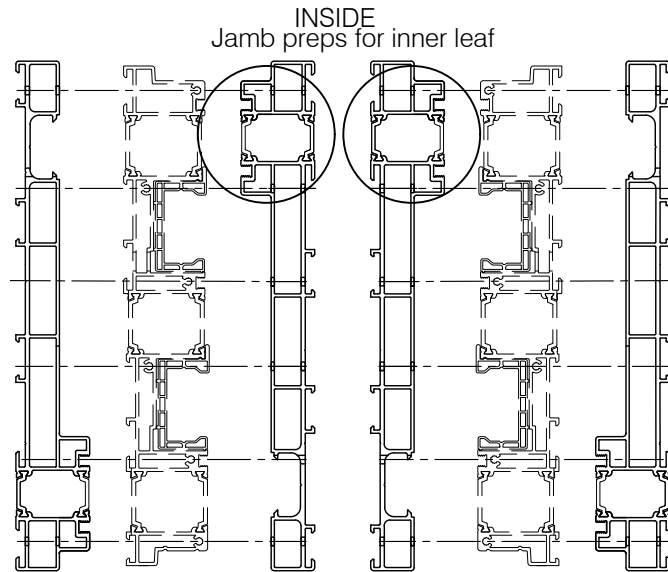


Triple Track Door
Jamb preparation
Outer Leaf Detail

A4 Scale 1:2

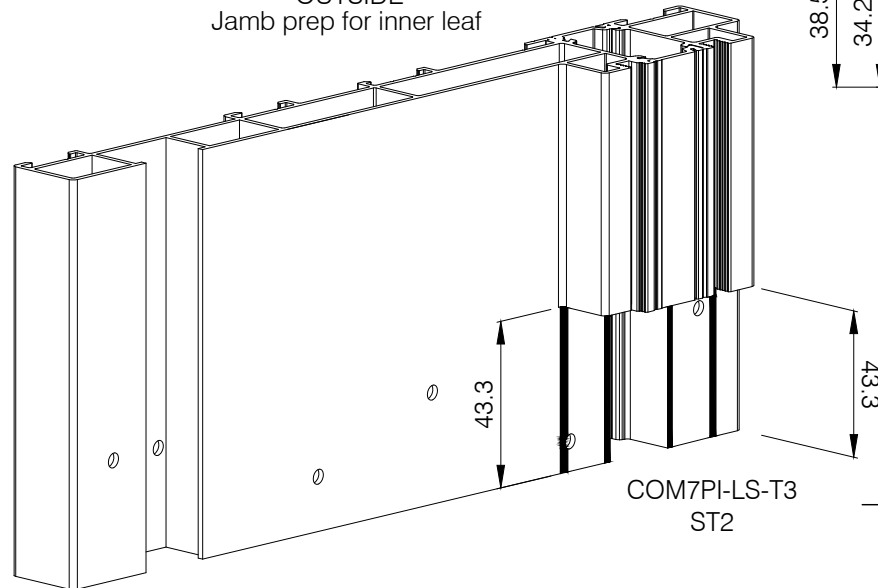
R0 - 04/12/2019

4.29.3

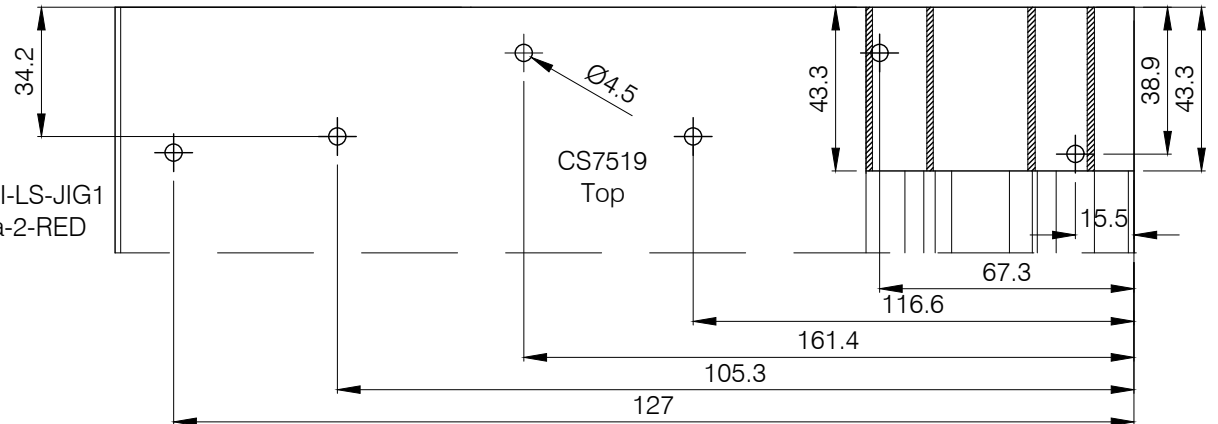
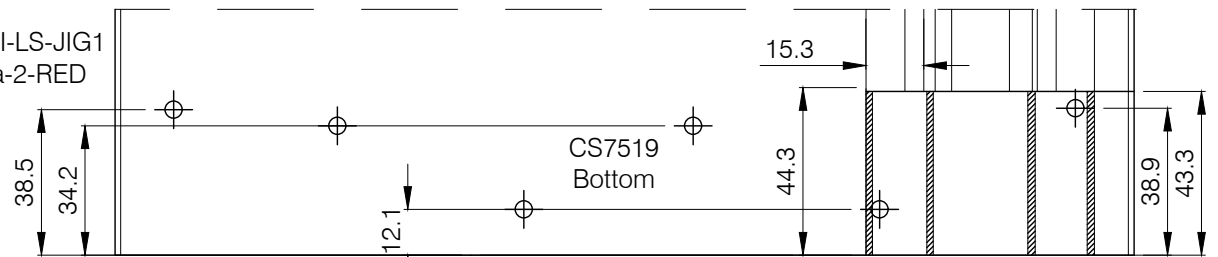
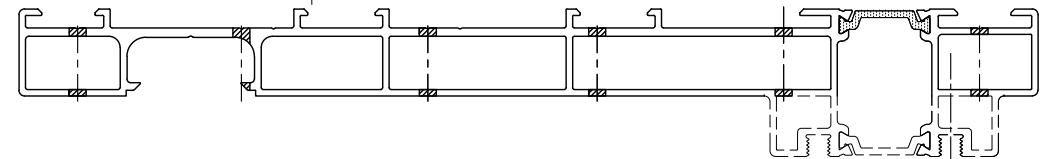
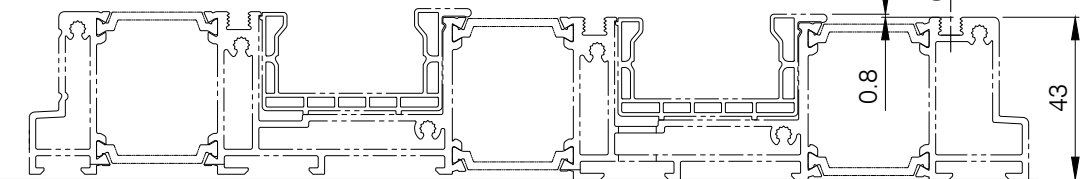


COM7PI-LS-JIG1
ST.03a-2-RED

COM7PI-LS-JIG1
ST.03a-2-RED



COM7PI-LS-T3
ST2



comar 7P.iLS+

FABRICATION DETAILS

4

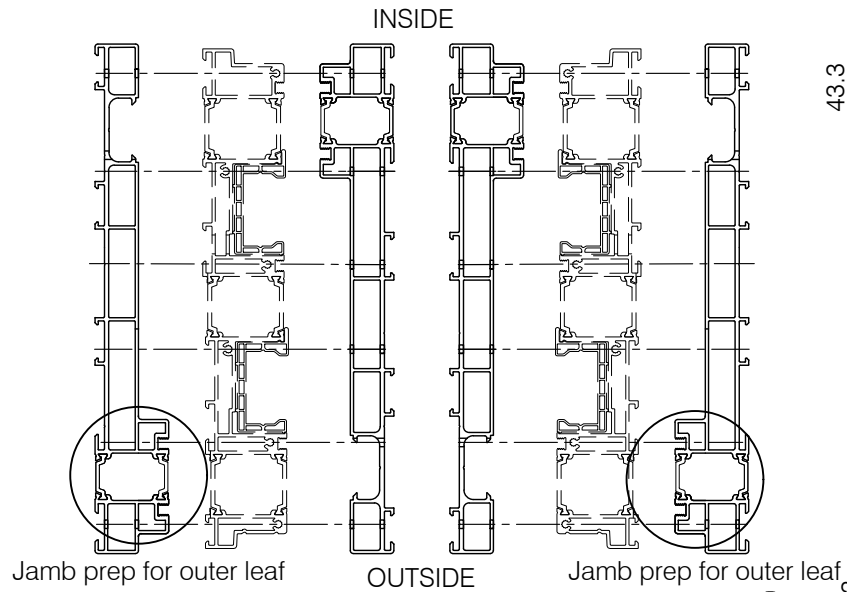
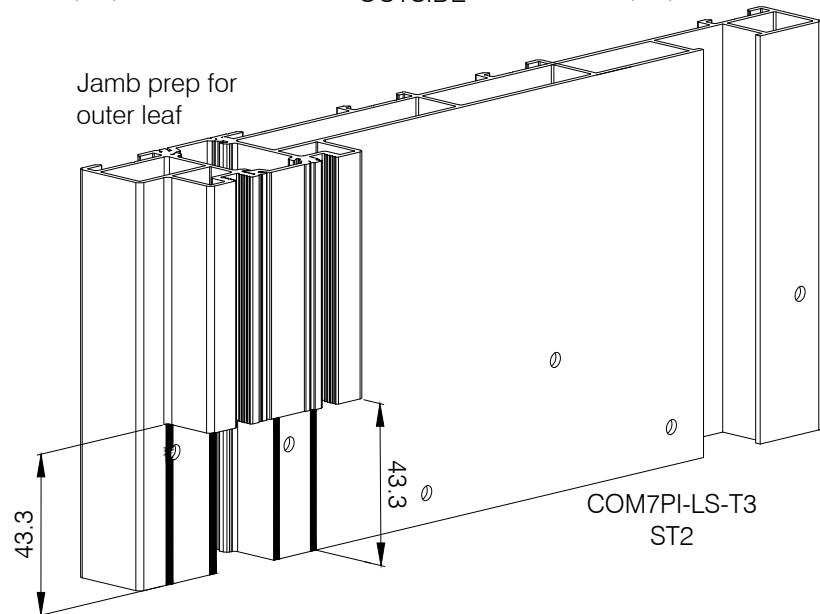


Triple Door
Jamb Preparation
Inner Leaf Detail

A4 Scale 1:2

R0 - 04/12/2019

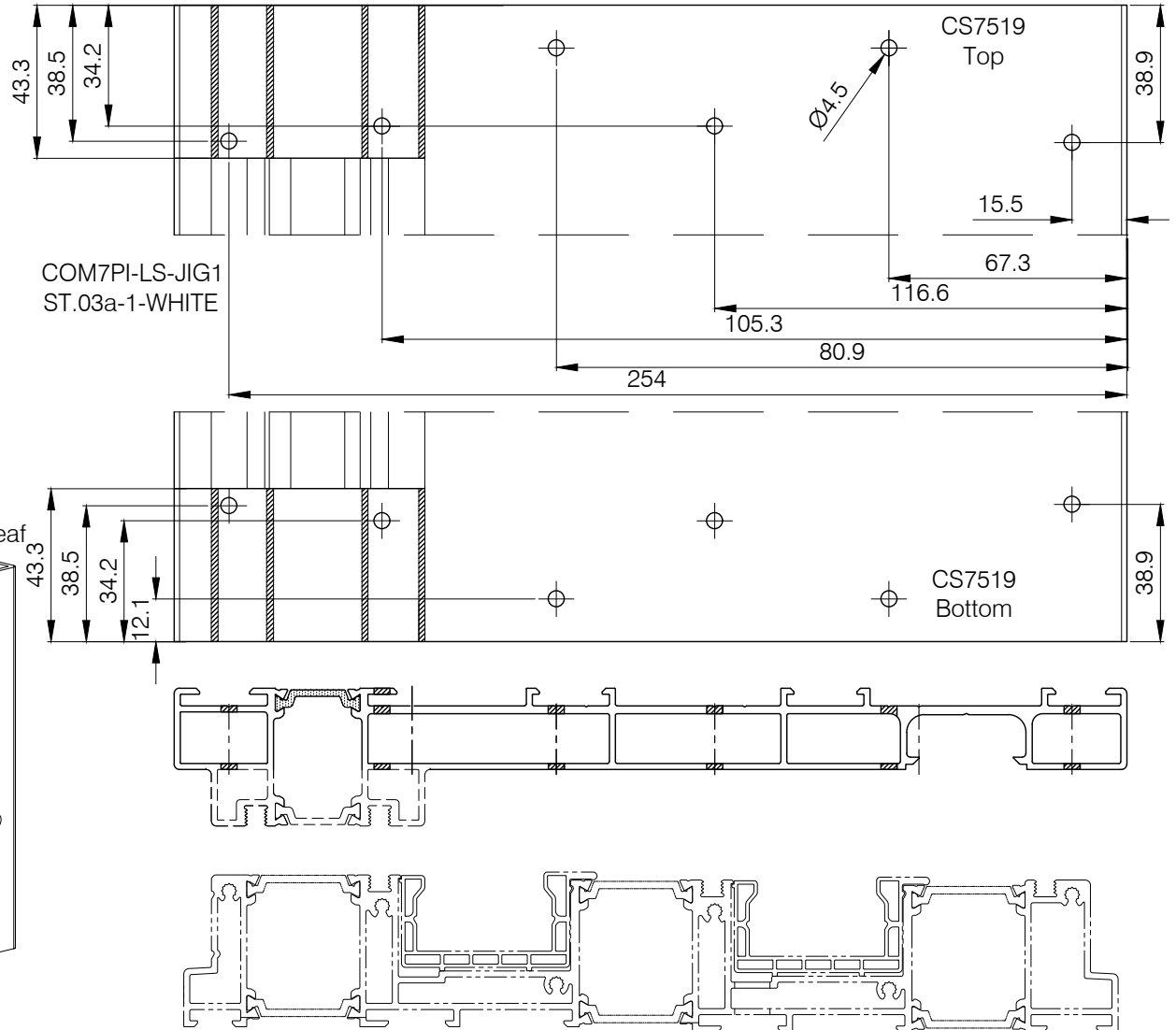
4.29.4



comar 7P.i LS+

FABRICATION DETAILS

4



Triple Door
Jamb preparation
Outer Leaf Detail

A4 Scale 1:2

R0 - 04/12/2019

4.29.5

FUTURE
ADDITION

comar 7P.iLS+

FABRICATION DETAILS

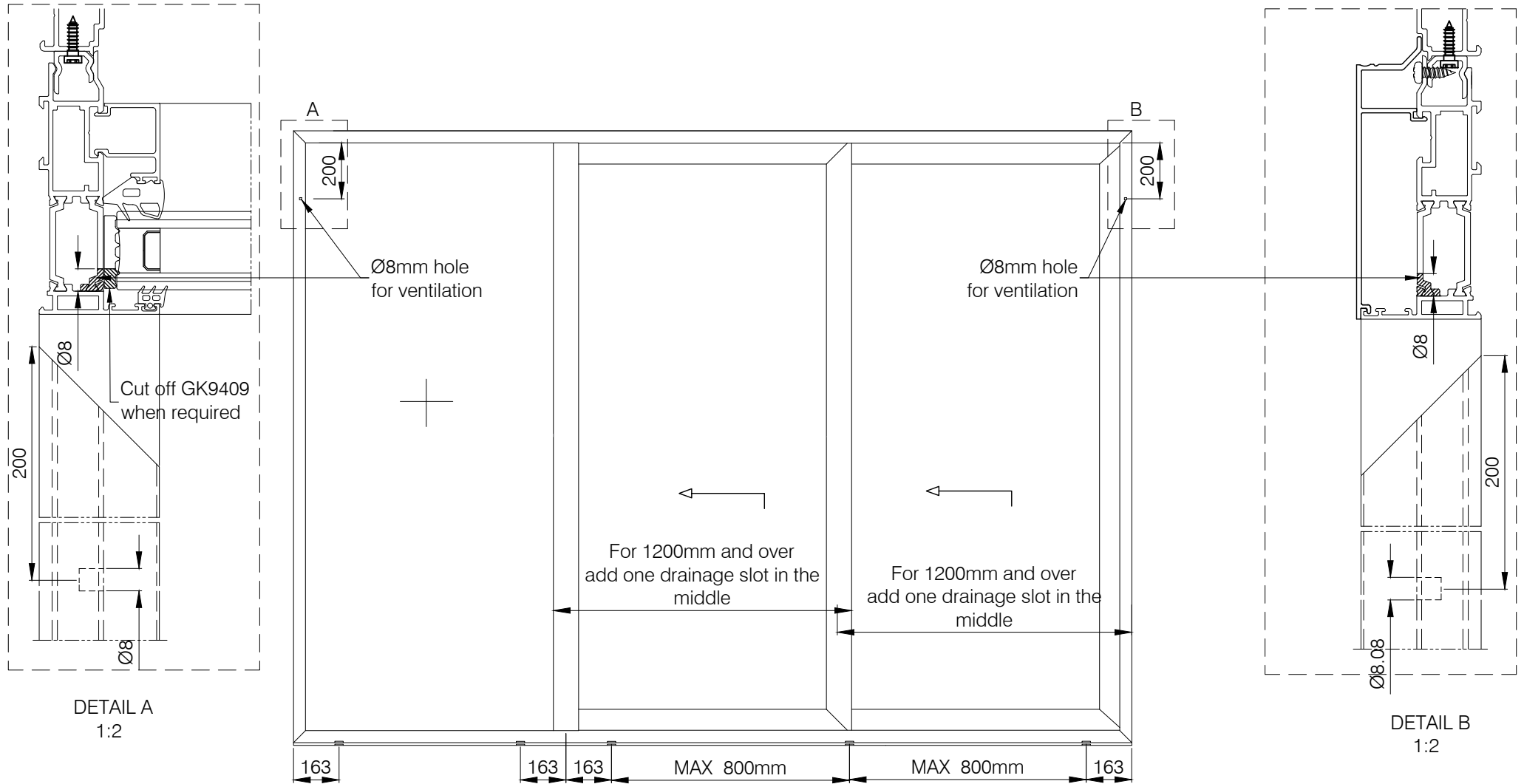
4



A4 Scale 1:2

R0 - 04/12/2019

4.29.6



comar 7P.iLS+

FABRICATION DETAILS

4

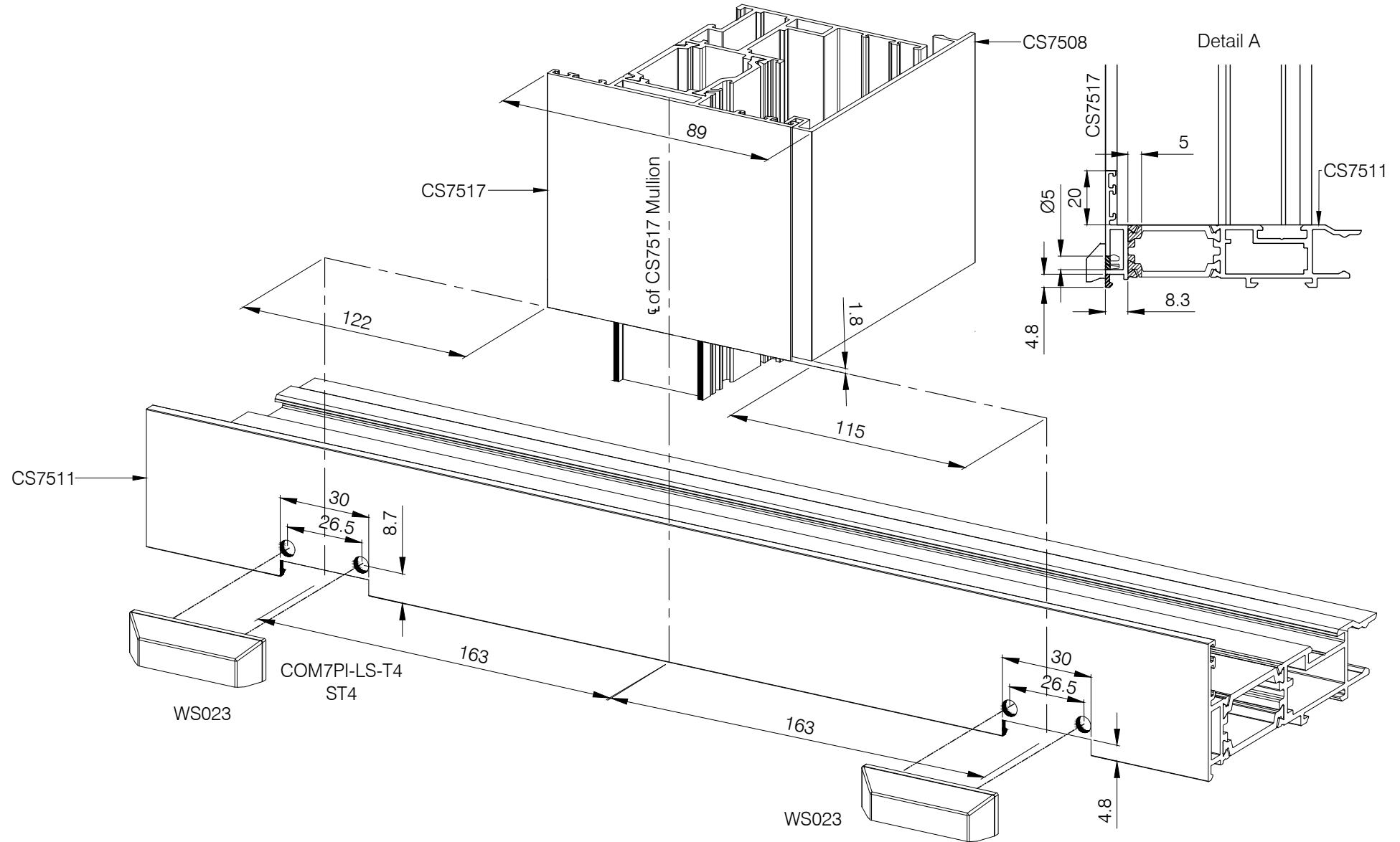


Triple Track Door
Drainage and Ventilation
Preparation Option A

A4 Scale NTS

R0 - 31/10/2017

4.30



comar 7P.iLS+

FABRICATION DETAILS

4

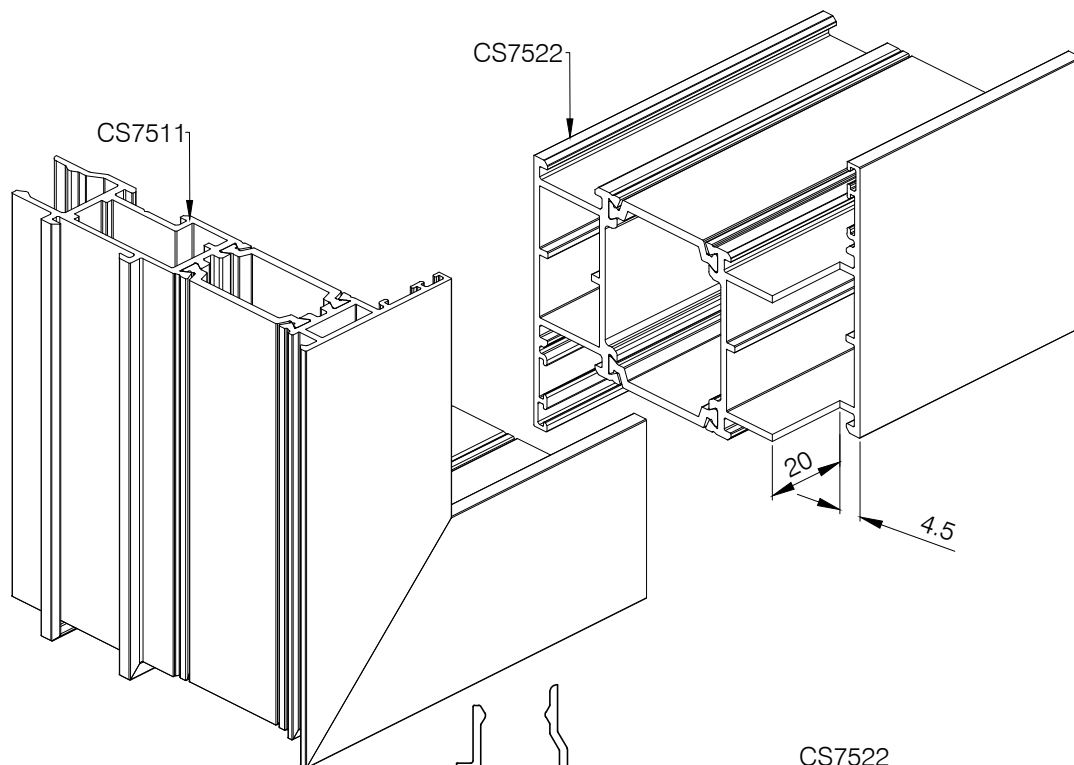
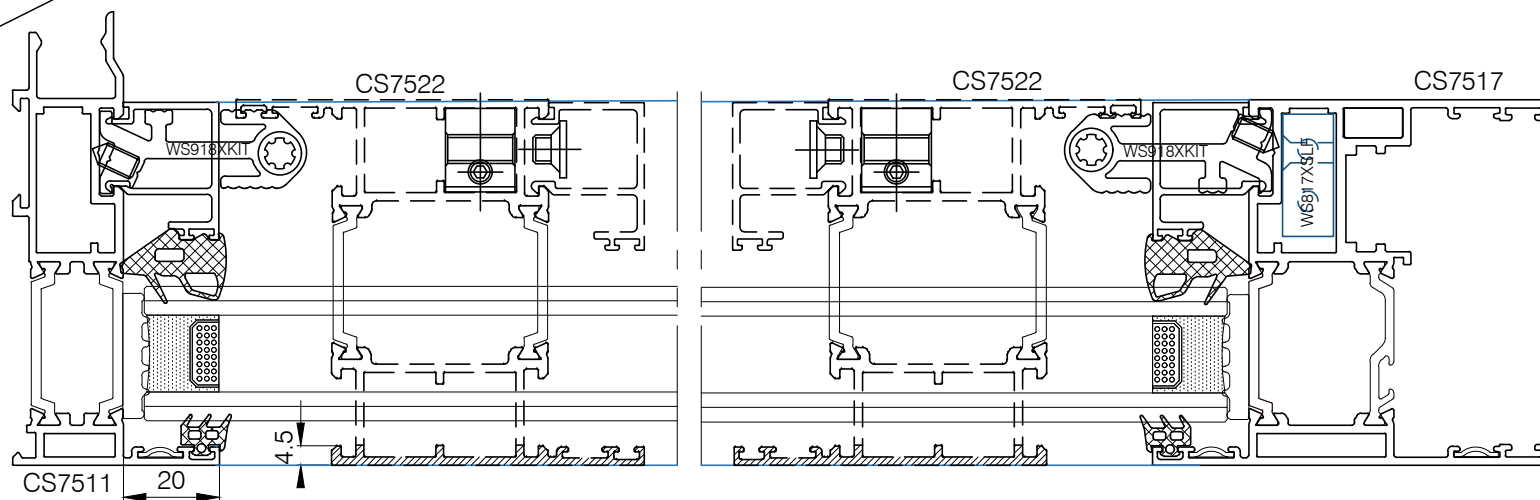


Triple Track Door
Mullion Preparation
And Drainage

A4 Scale 1:2, NTS

R1 - 04/12/2019

4.31



comar 7P.i LS+

FABRICATION DETAILS

4



Triple Track Door
Transom Preparation

A4 Scale 1:2, NTS

R0 - 22/11/2018

4.31.1

FUTURE
ADDITION

comar 7P.i LS+

FABRICATION DETAILS

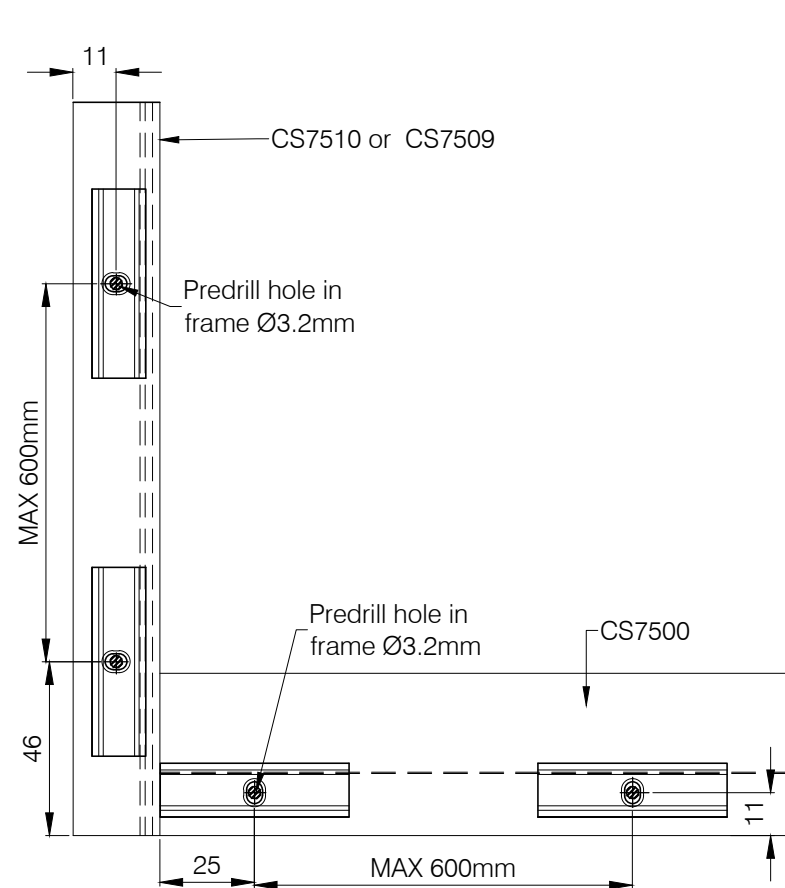
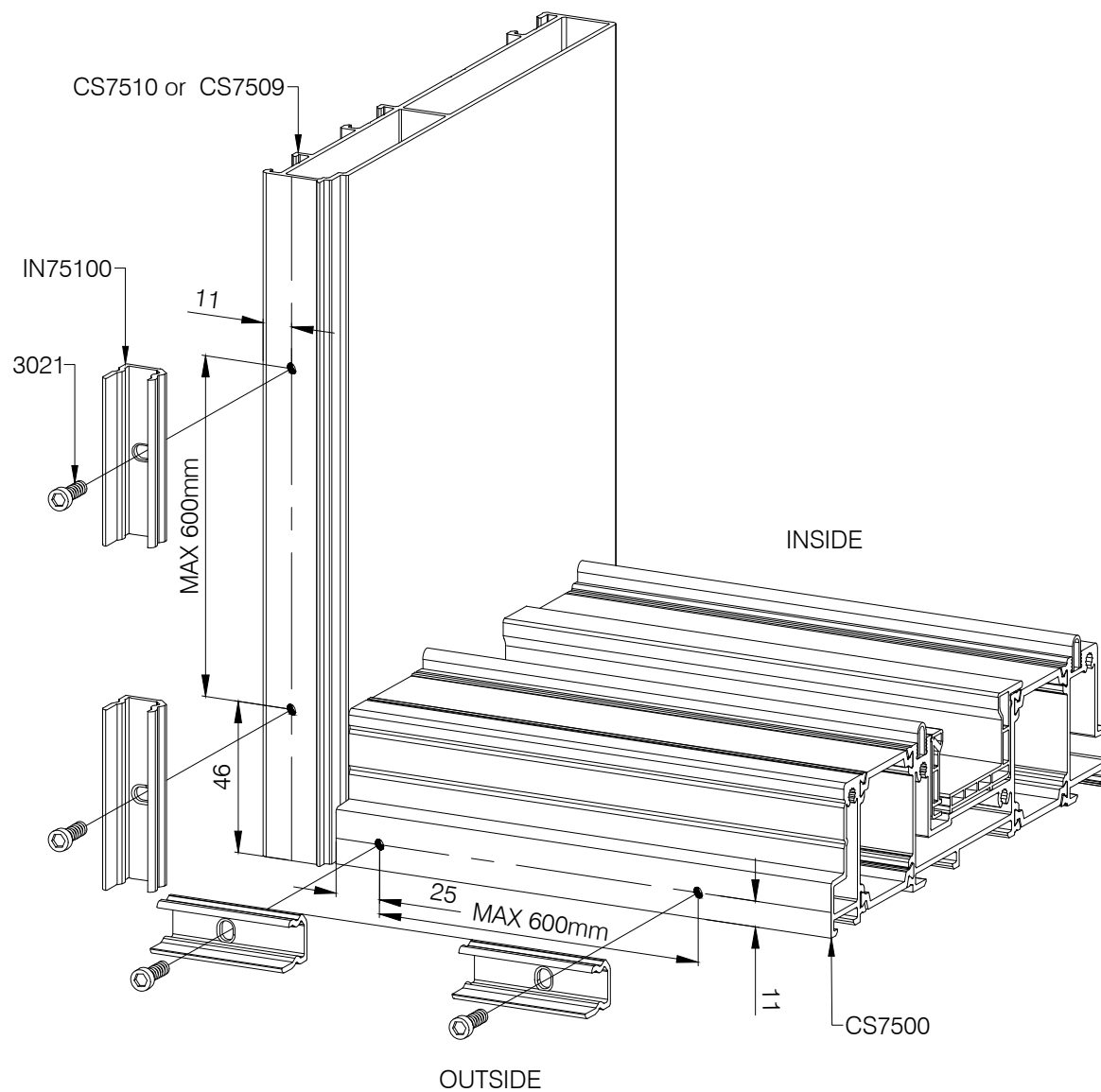
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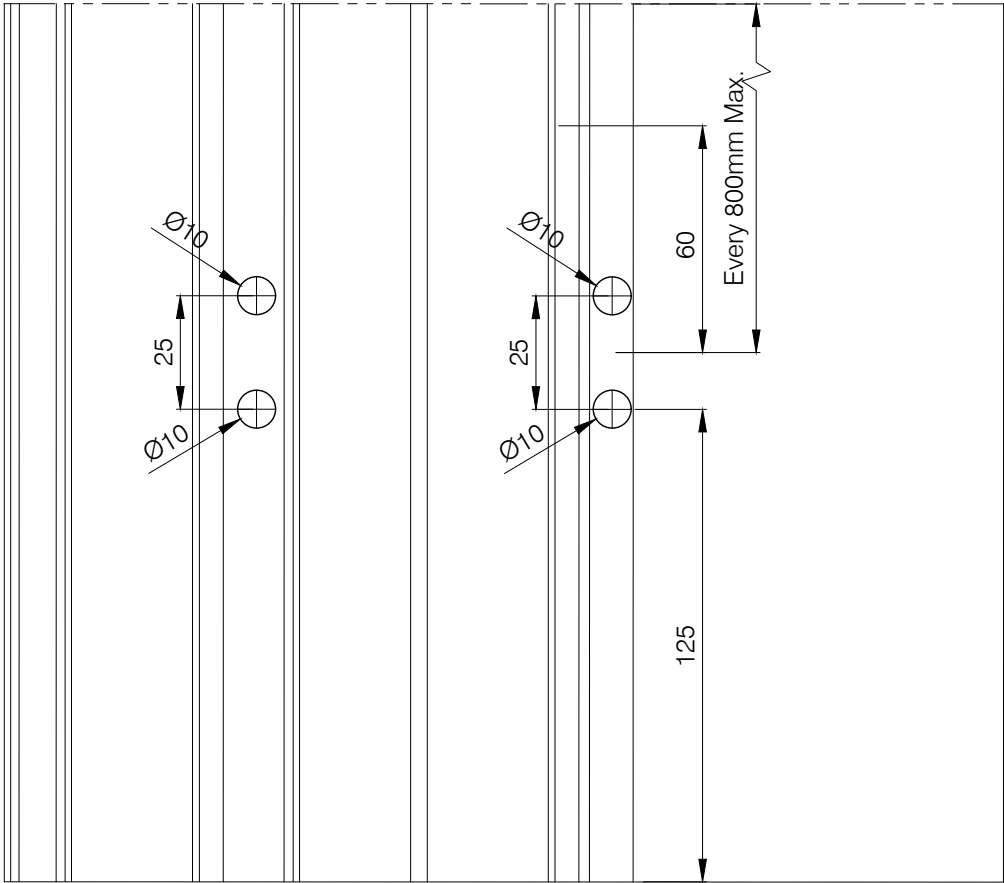
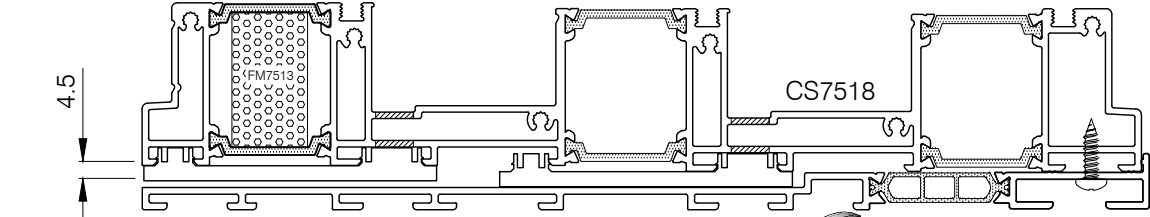


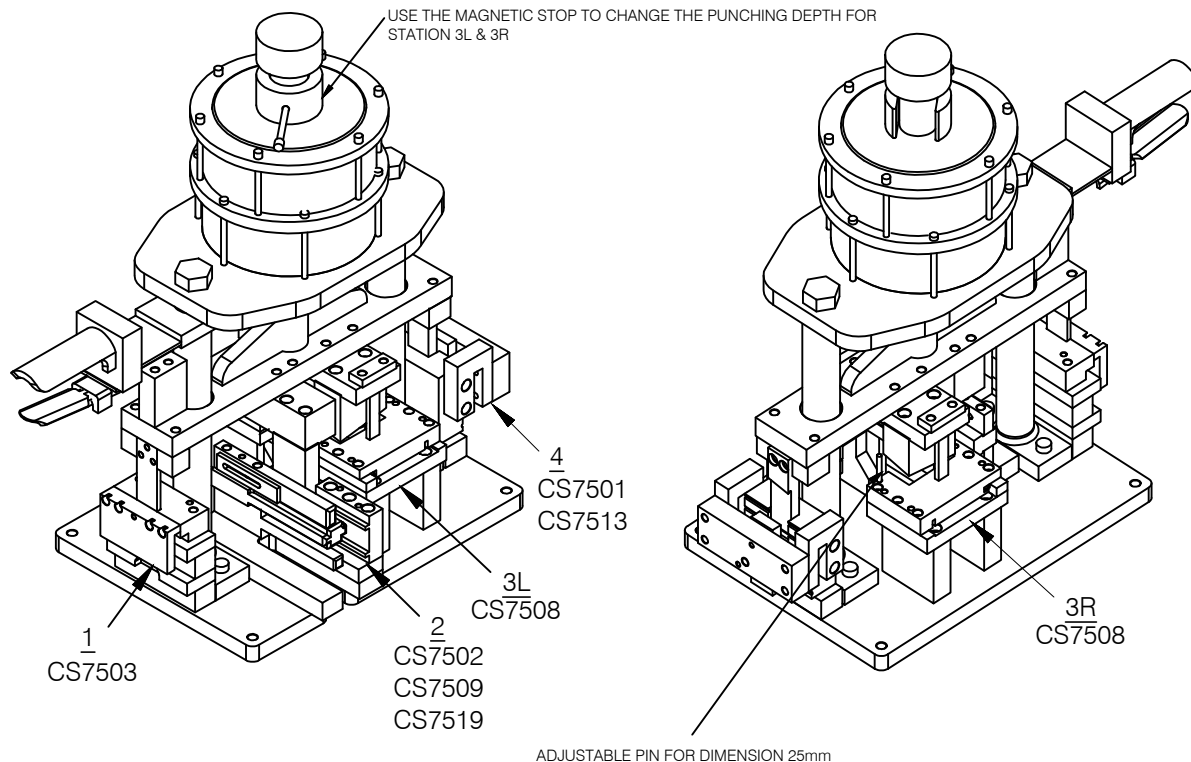
A4 Scale

R0 - 22/11/2018

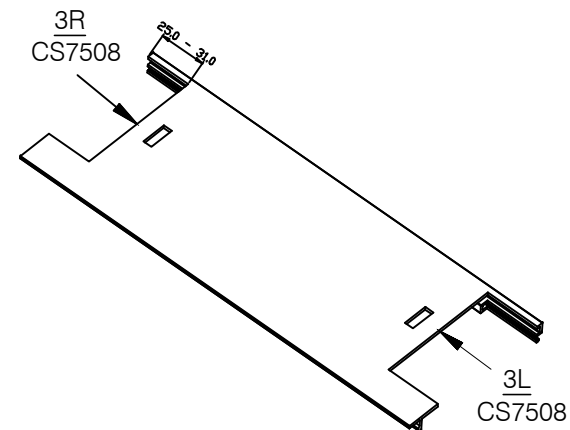
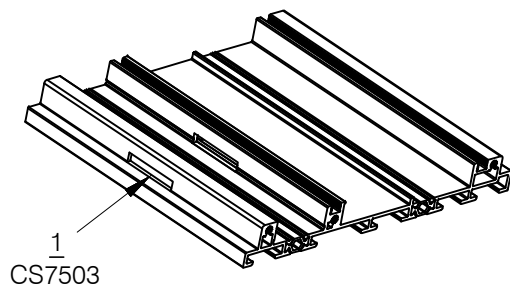
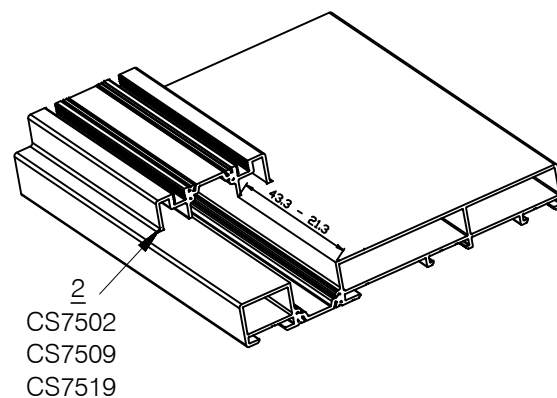
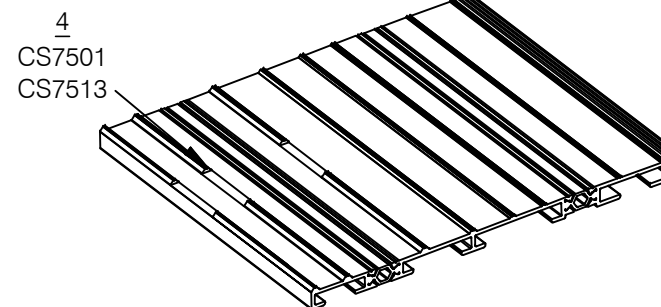
4.31.2







Tooling Ref:
COM7PI-LS-T3



comar 7P.iLS+

FABRICATION DETAILS

4

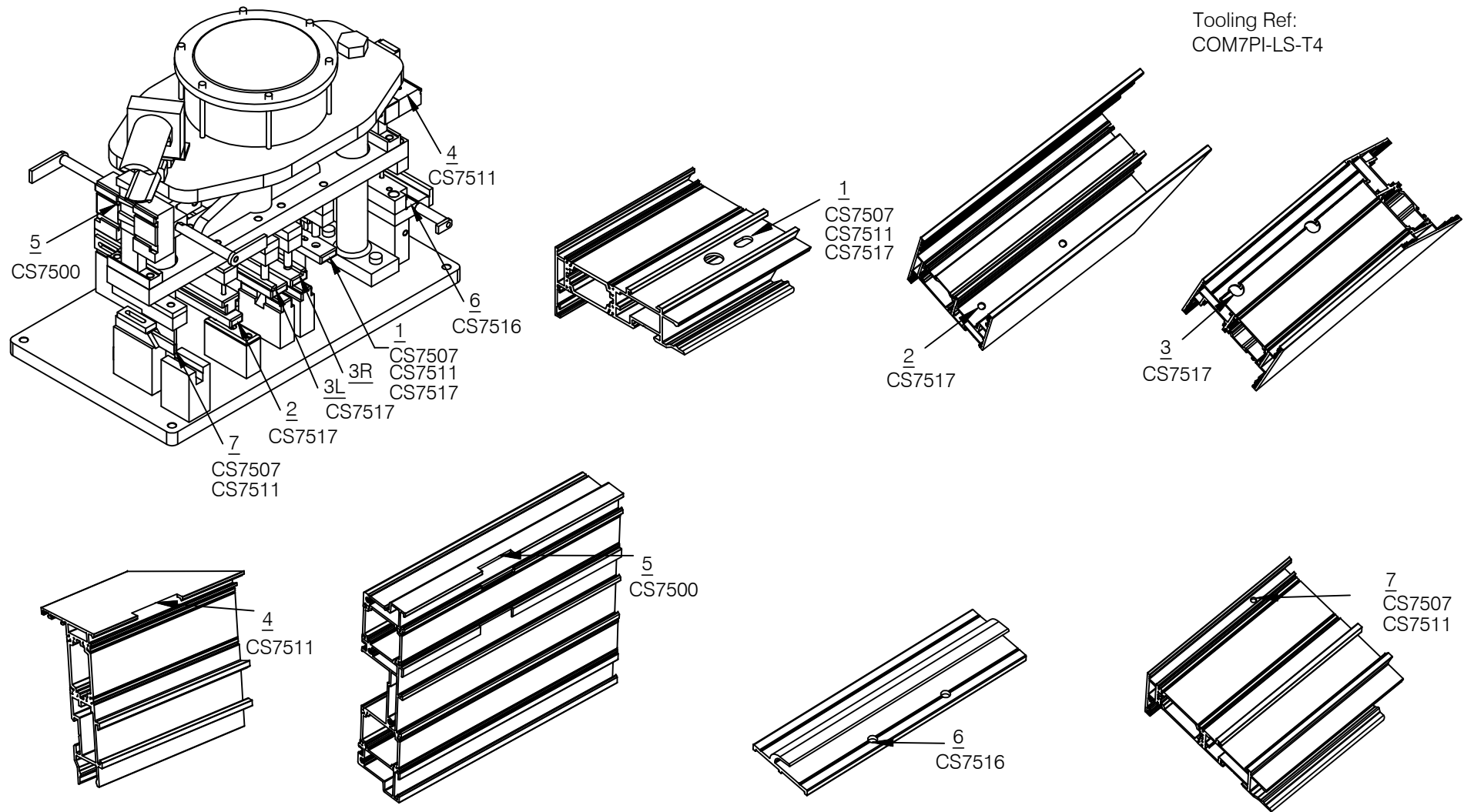


Punch Tooling
COM7PI-LS-T3

A4 Scale NTS

R0 - 04/12/2019

4.36



comar 7P.iLS+

FABRICATION DETAILS

4

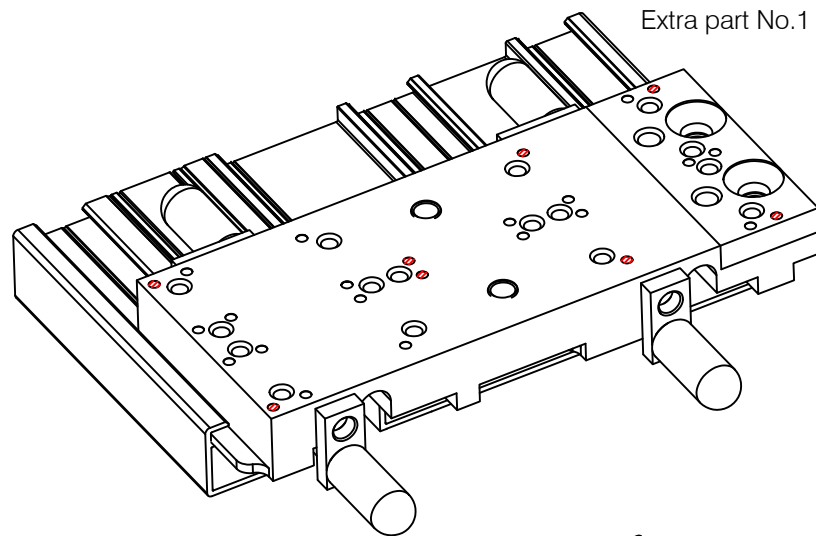


Punch Tooling
COM7PI-LS-T4

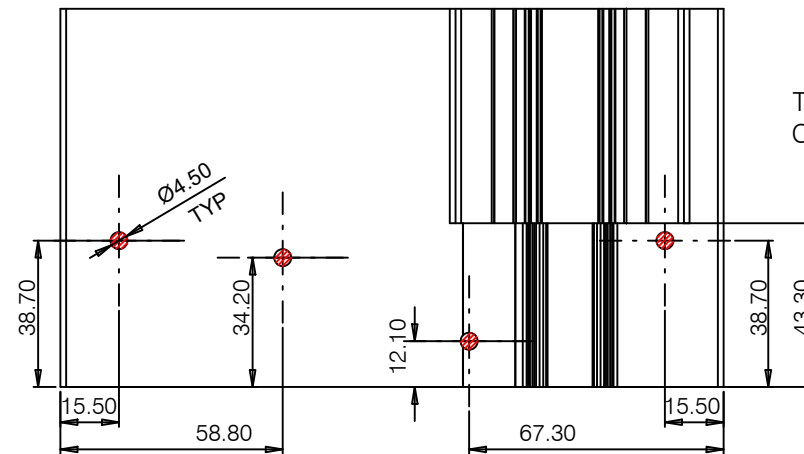
A4 Scale NTS

R0 - 04/12/2019

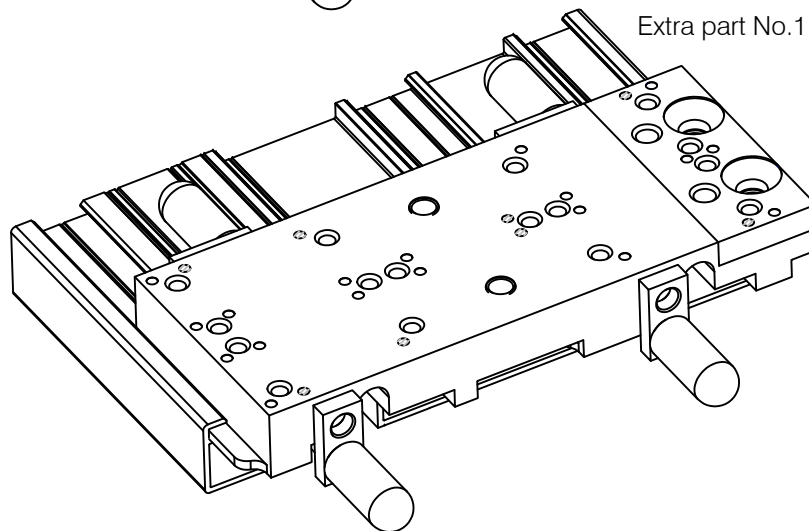
4.37



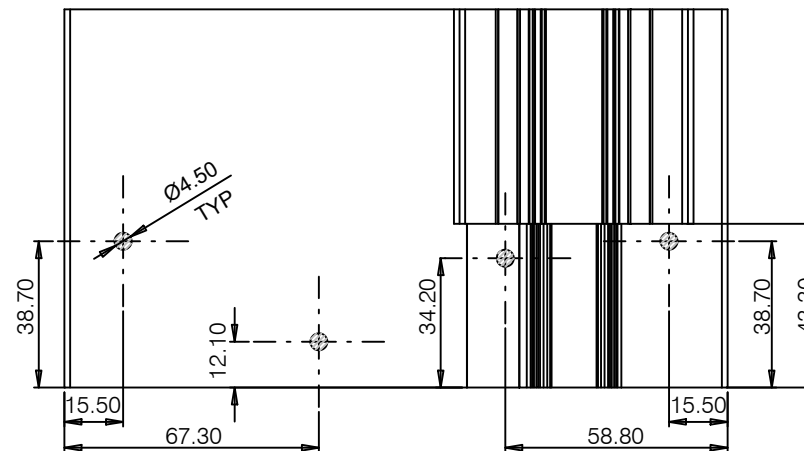
Profiles CS7502 / CS7509 / CS7510 should be processed
according to the red marks



Tooling Ref:
COM7PI-LS-JIG1



Profiles CS7502 / CS7509 / CS7510 should be processed
according to the white marks



comar 7P.iLS+

FABRICATION DETAILS

4

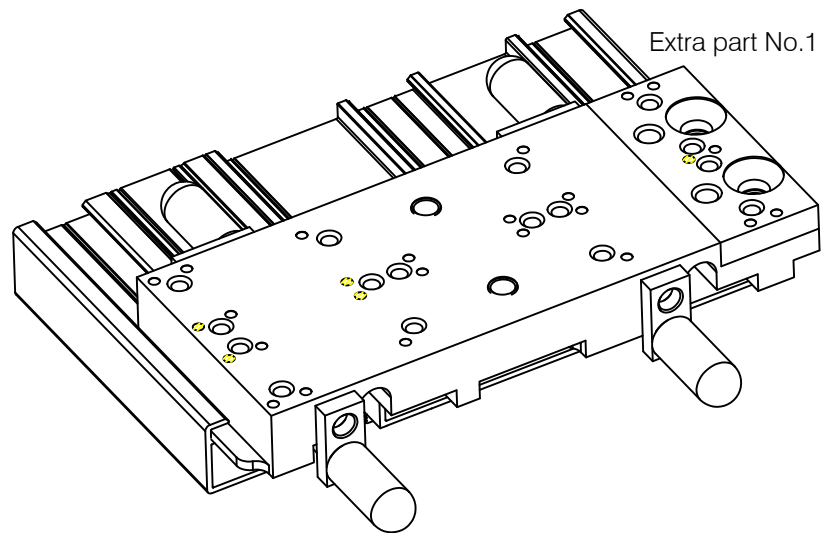


Drill Jig - Double Track Jamb
COM7PI-LS-JIG1

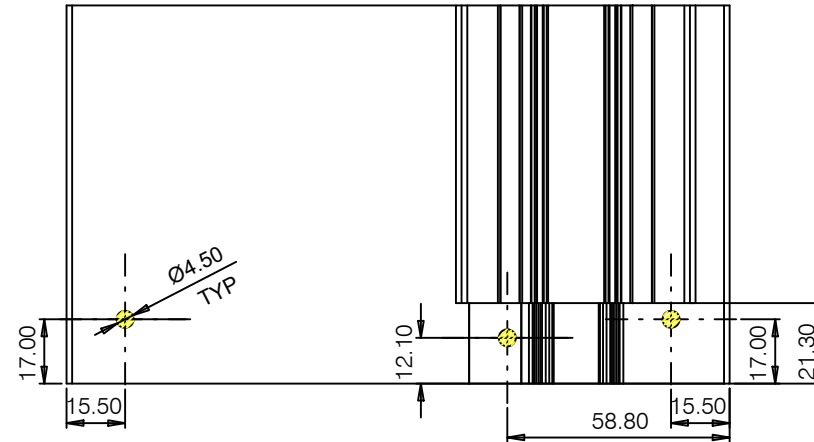
A4 Scale NTS

R0 - 04/12/2019

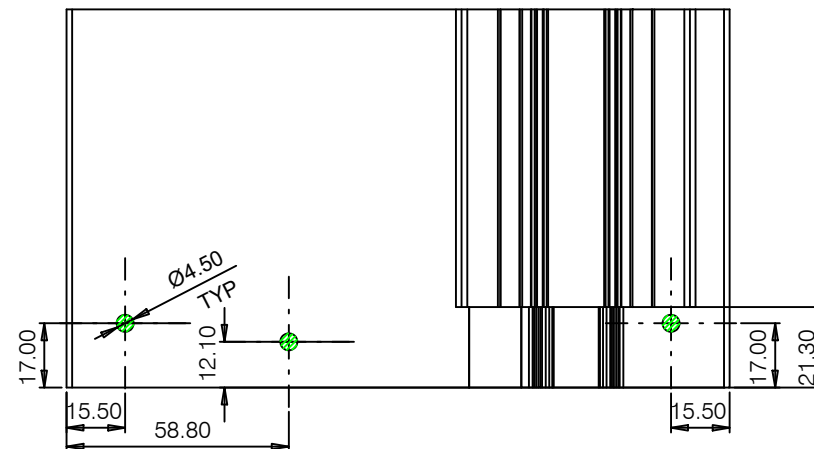
4.38



Profiles CS7502 / CS7509 / CS7510 should be processed according to the yellow marks



Profiles CS7502 / CS7509 / CS7510 should be processed according to the green marks



comar 7P.iLS+

FABRICATION DETAILS

4

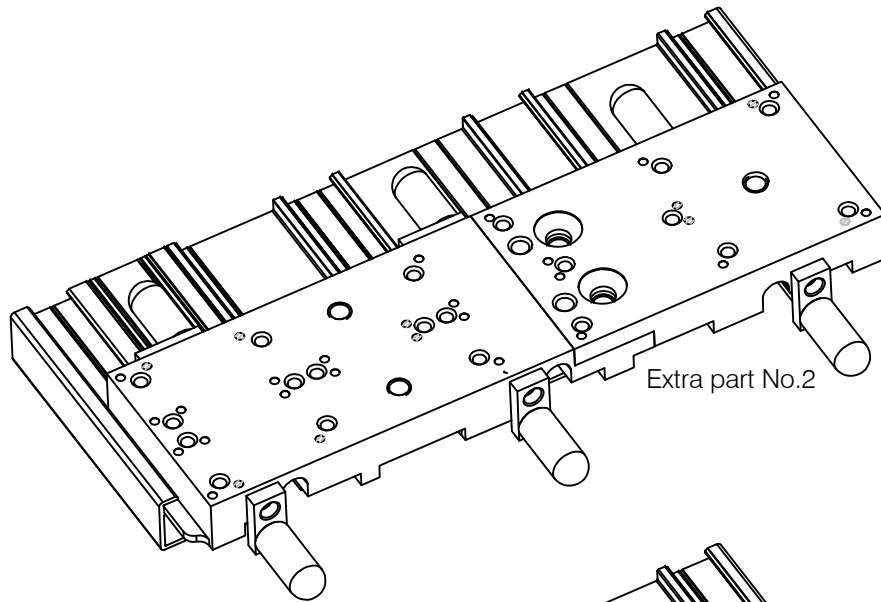
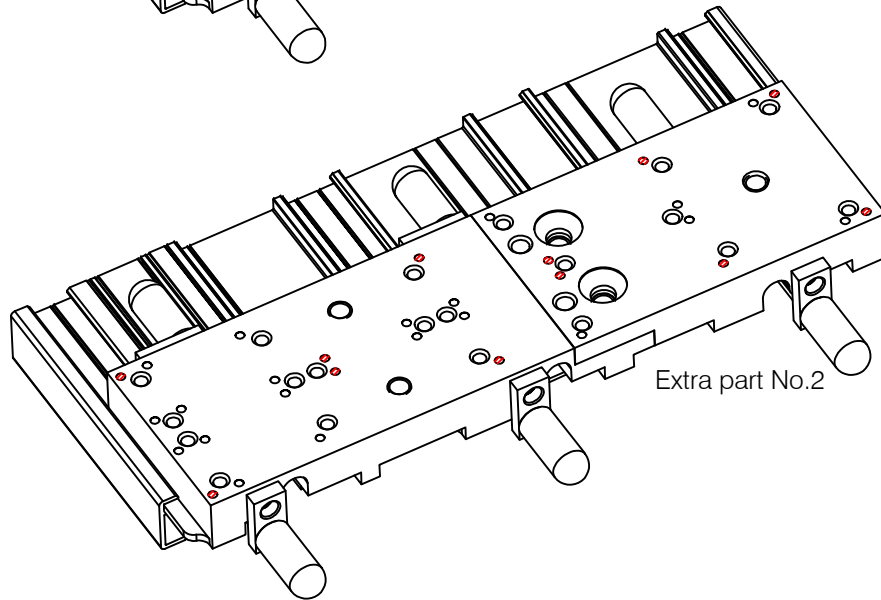


Drill Jig - Low Threshold Jamb
COM7PI-LS-JIG1

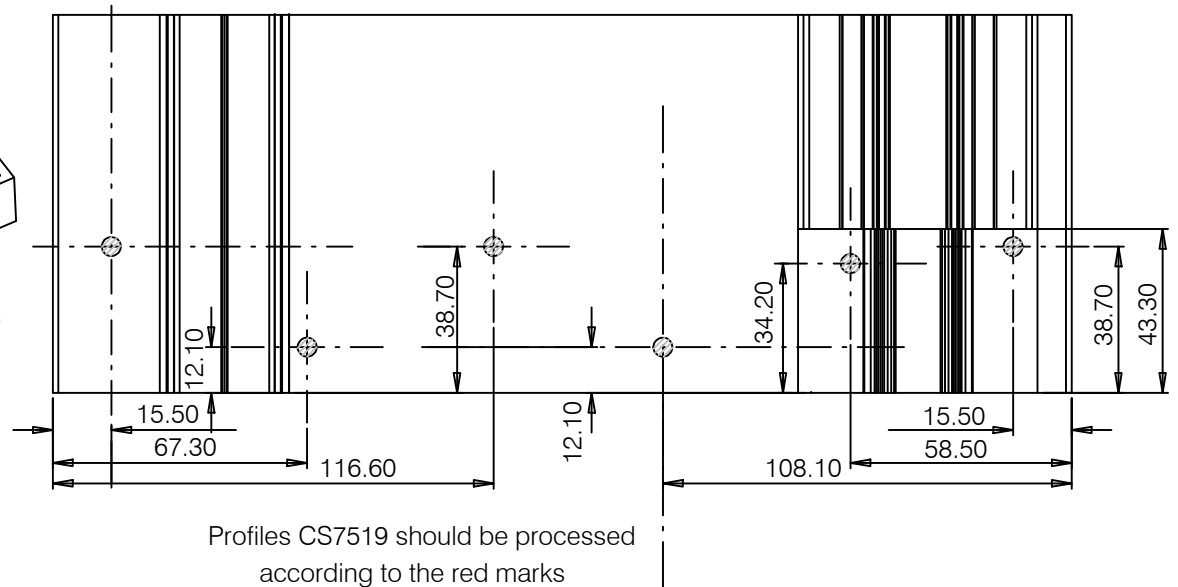
A4 Scale NTS

R0 - 04/12/2019

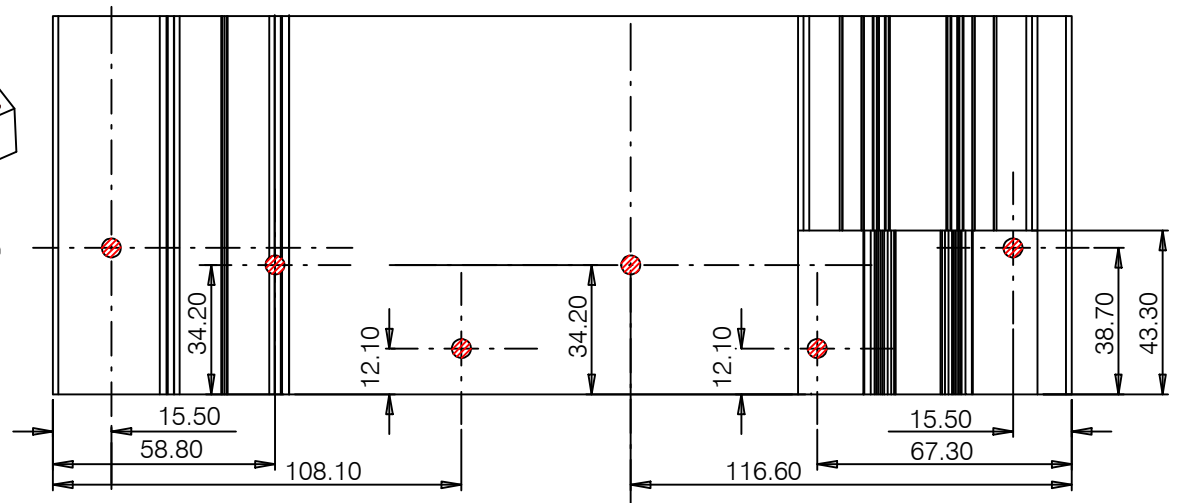
4.39



Profiles CS7519 should be processed
according to the white marks



Profiles CS7519 should be processed
according to the red marks



comar 7P.iLS+

FABRICATION DETAILS

4



Drill Jig - Triple Door Jamb
COM7PI-LS-JIG1

A4 Scale NTS

R0 - 04/12/2019

4.40

ASSEMBLY

comar 7P.iLS+

ASSEMBLY

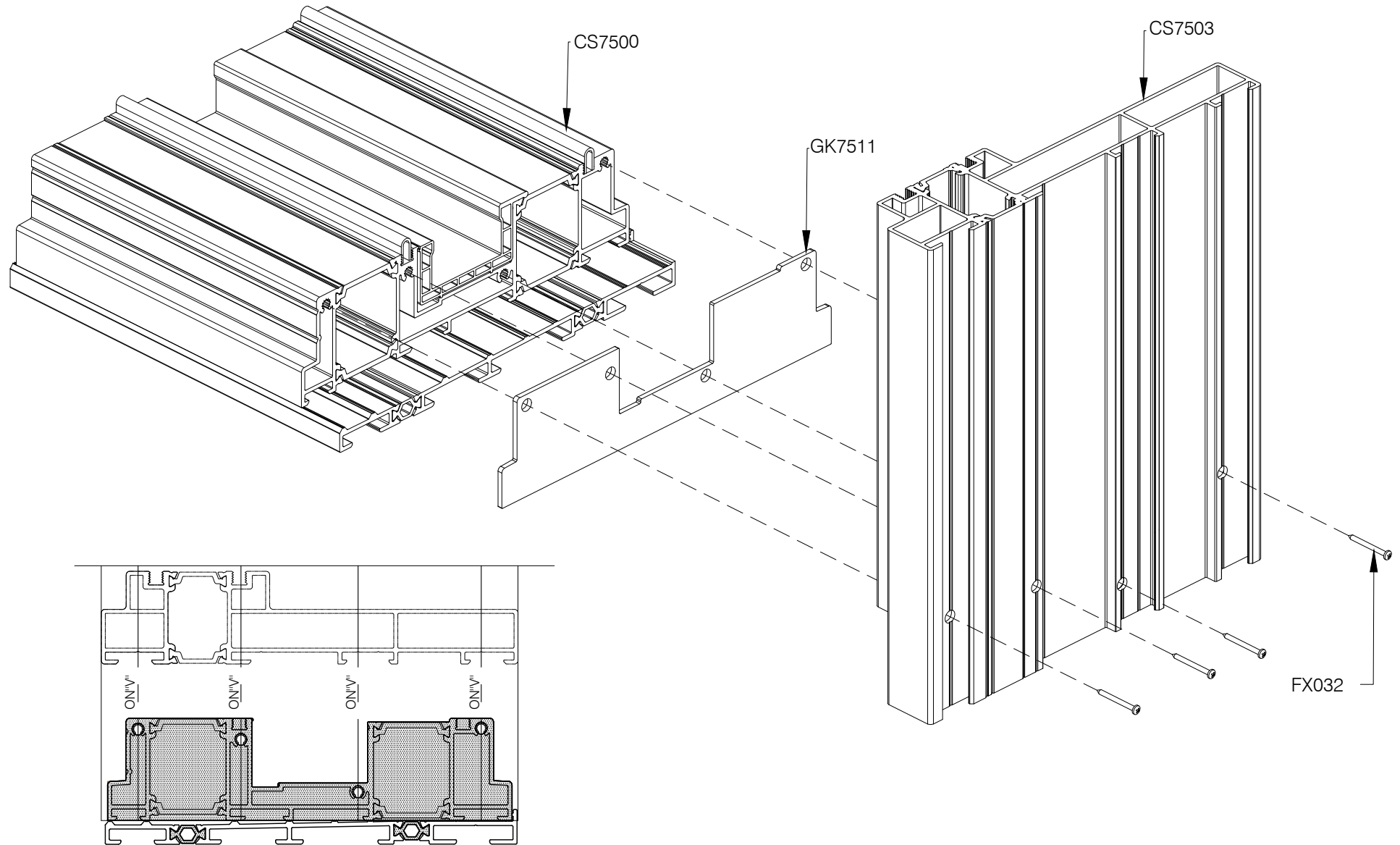
5



Assembly

R0 - 11/10/2017

5.00



comar 7P.iLS+

ASSEMBLY

5

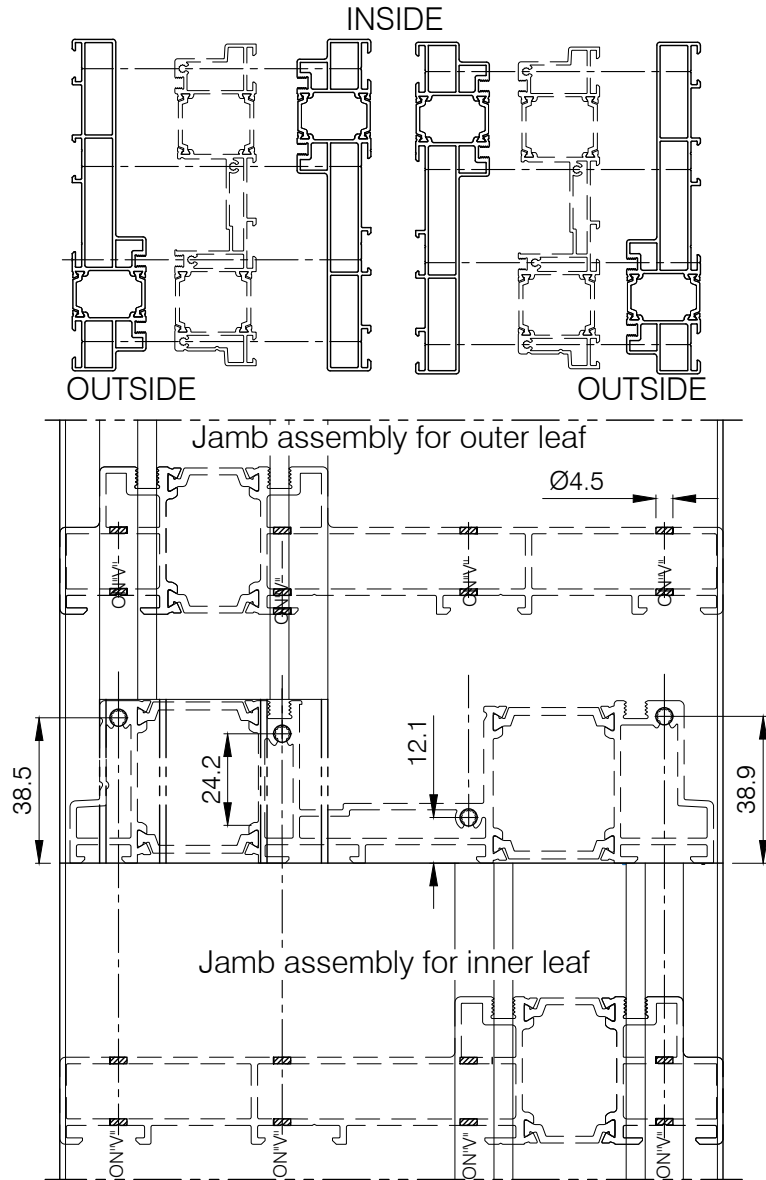
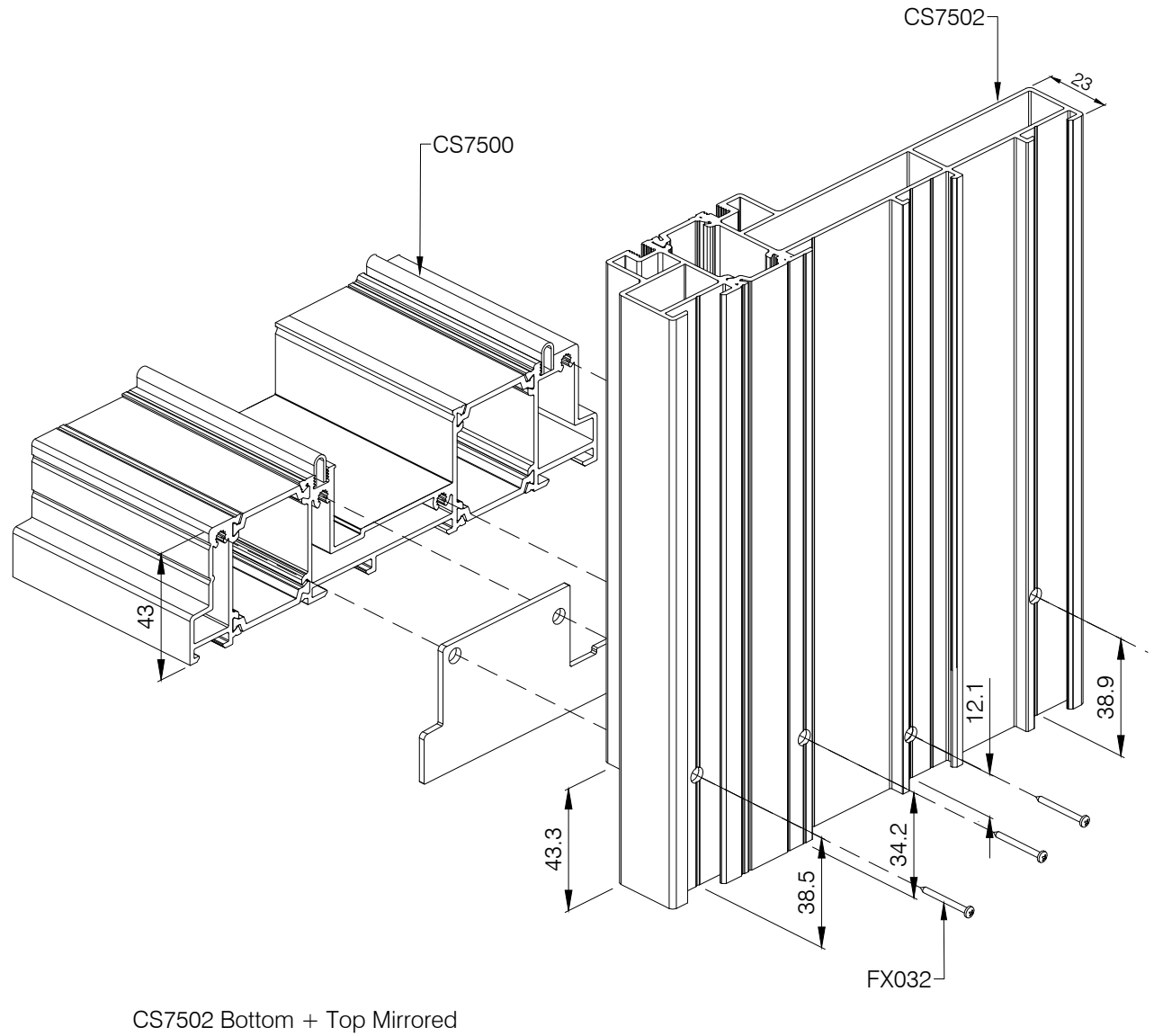


Double Track
Outer Frame Assembly
Gasket Pad GK7511

A4 Scale NTS

R0 - 31/10/2017

5.01



comar 7P.iLS+

ASSEMBLY

5

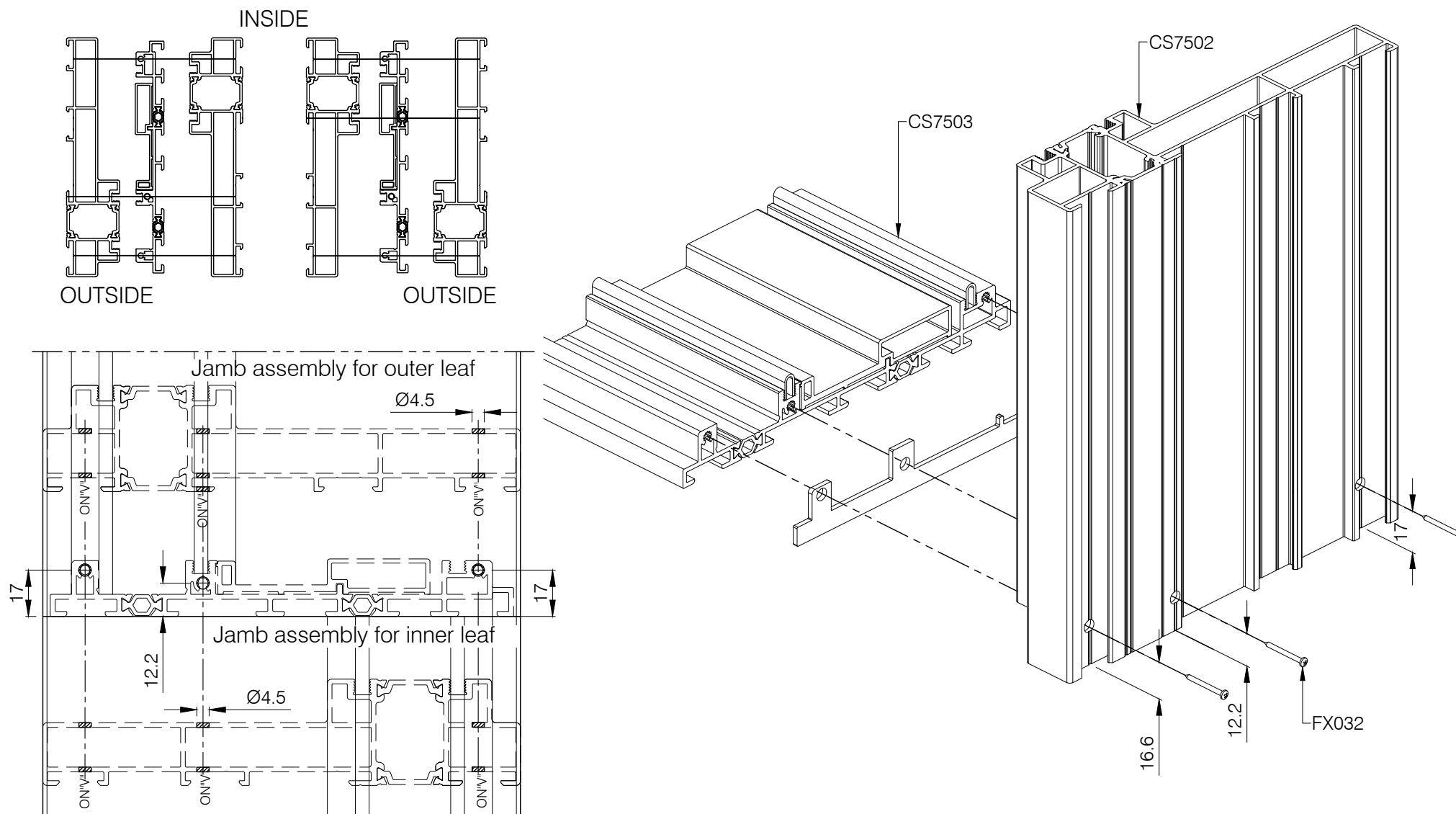


Double Track Door
Jamb Assembly

A4 Scale 1:2,

R0 - 31/10/2017

5.02



comar 7P.i LS+

ASSEMBLY

5

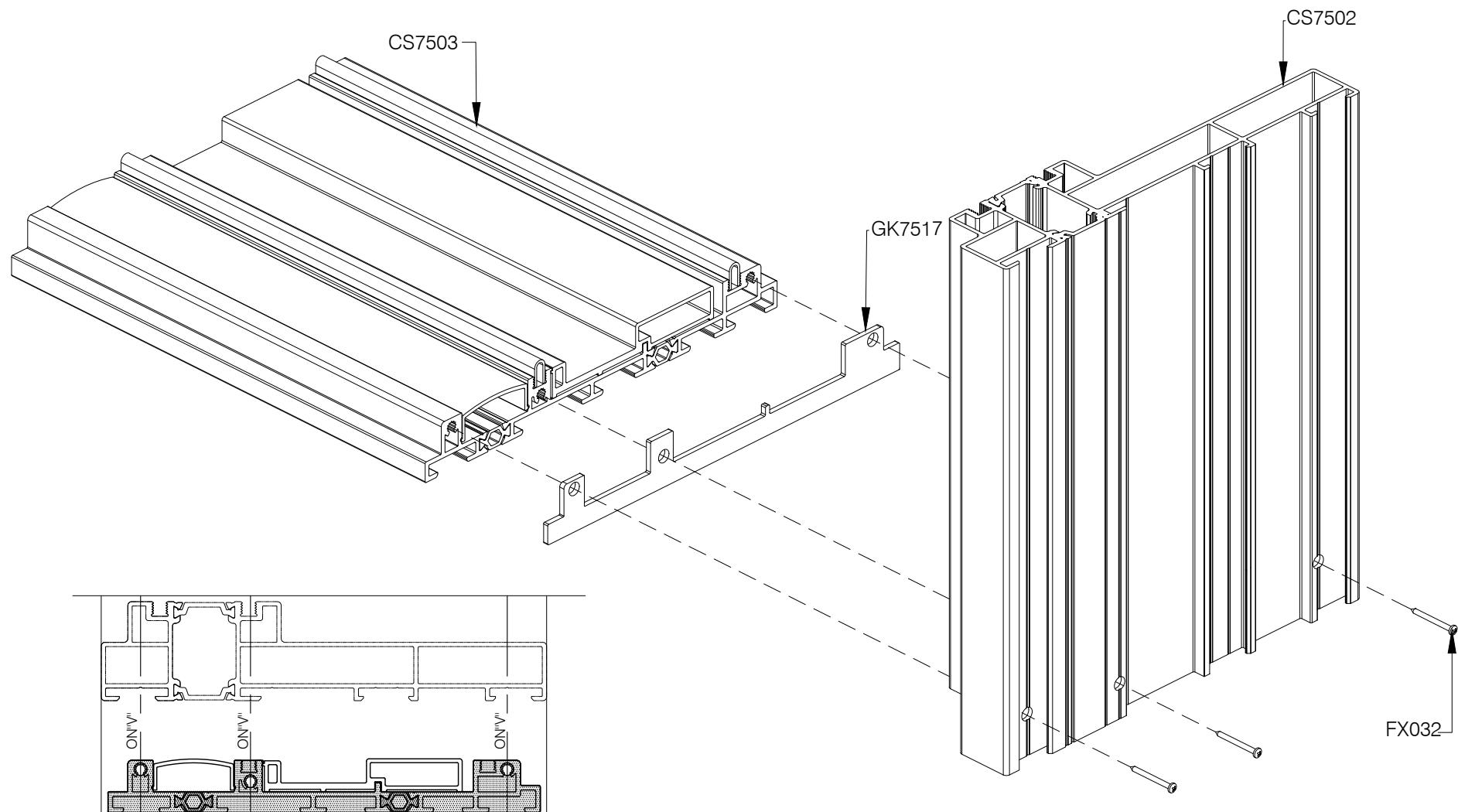


Double Track Door
Low Threshold
Jamb Assembly

A4 Scale 1:2

R0 - 31/10/2017

5.03



comar 7P.iLS+

ASSEMBLY

5

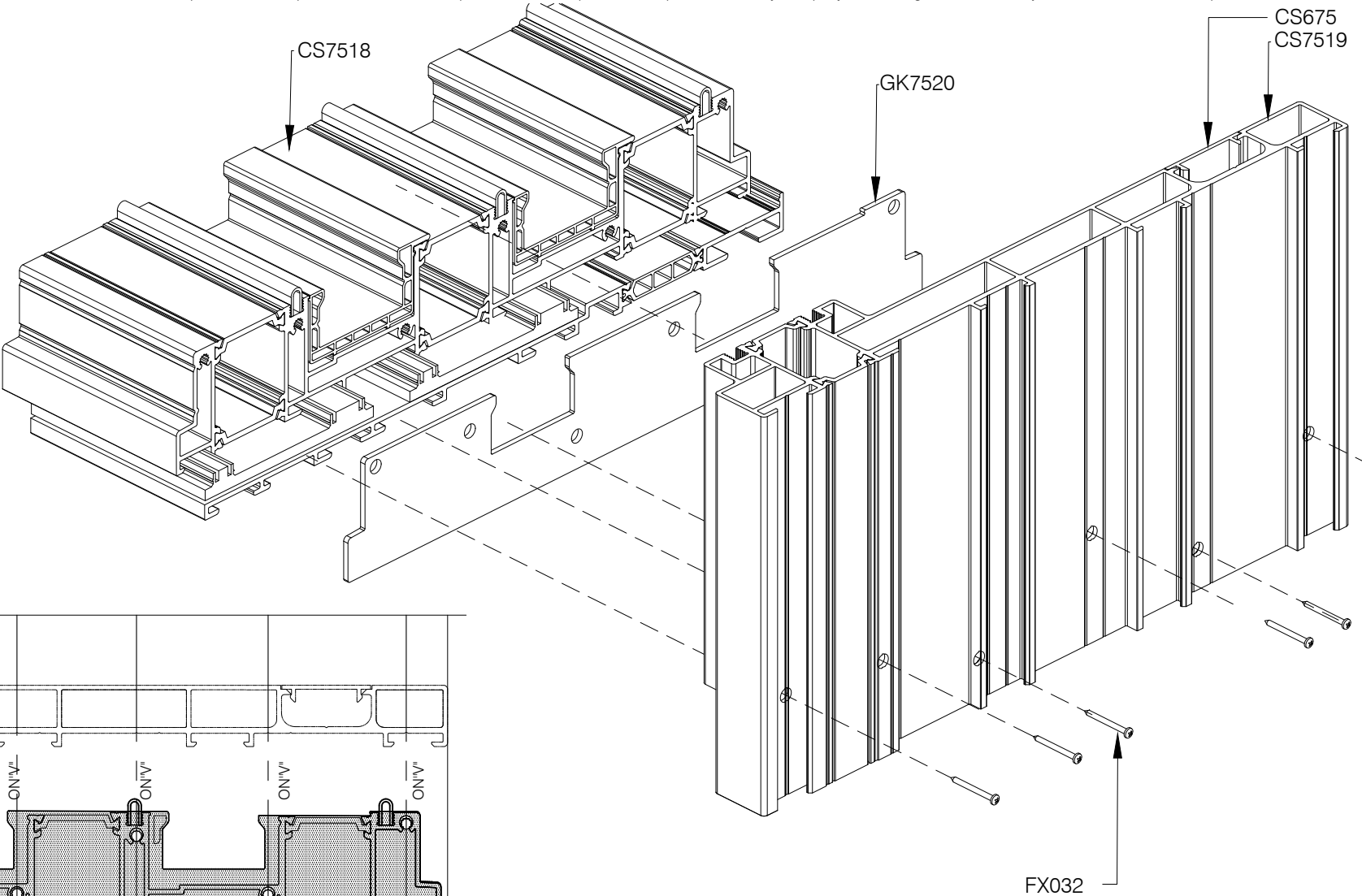
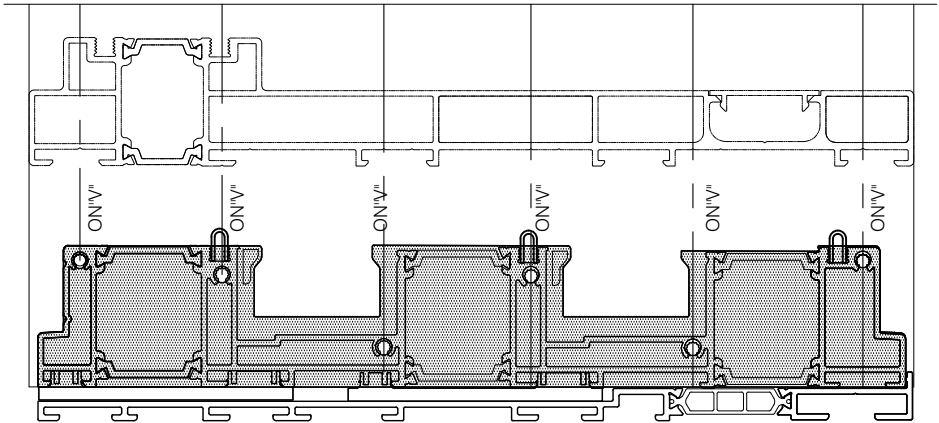


Double Track Low Thresholds
Outer Frame Assembly
Gasket Pad GK7517

A4 Scale NTS

R0 - 31/10/2017

5.04



comar 7P.iLS+

ASSEMBLY

5



Triple Track
Outer Frame Assembly
Gasket Pad GK7520

A4 Scale NTS

R0 - 04/12/2019

5.04.1

FUTURE
ADDITION

comar 7P.iLS+

ASSEMBLY

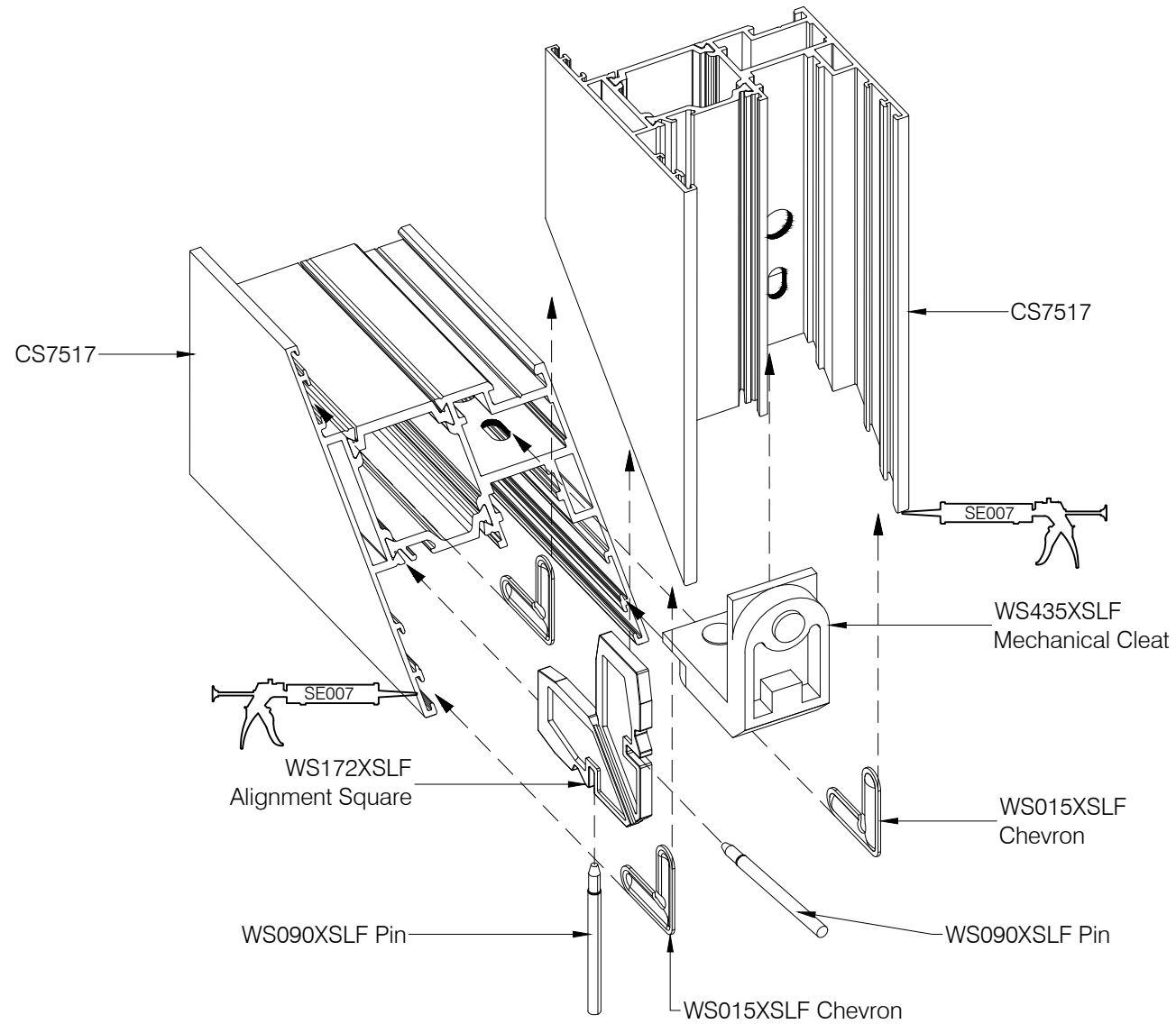
5



A4 Scale NTS

R0 - 04/12/2019

5.04.2



comar 7P.iLS+

ASSEMBLY

5

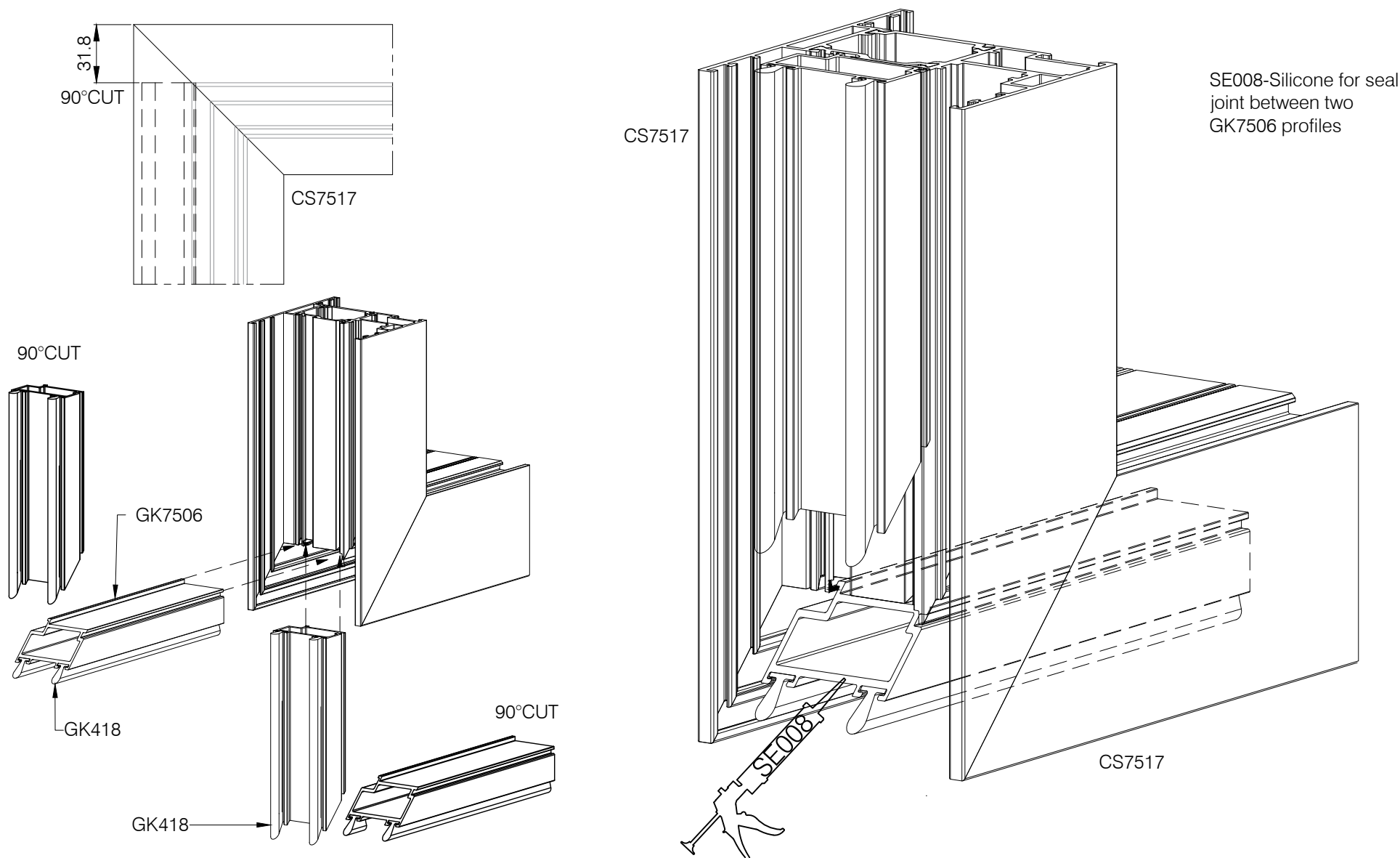


Leaf Corner
CS7517 Assembly

A4 Scale NTS

R0 - 31/10/2017

5.05



comar 7P.iLS+

ASSEMBLY

5



CS7517 - GK7506 - GK418
Leaf Insulation Box Assembly

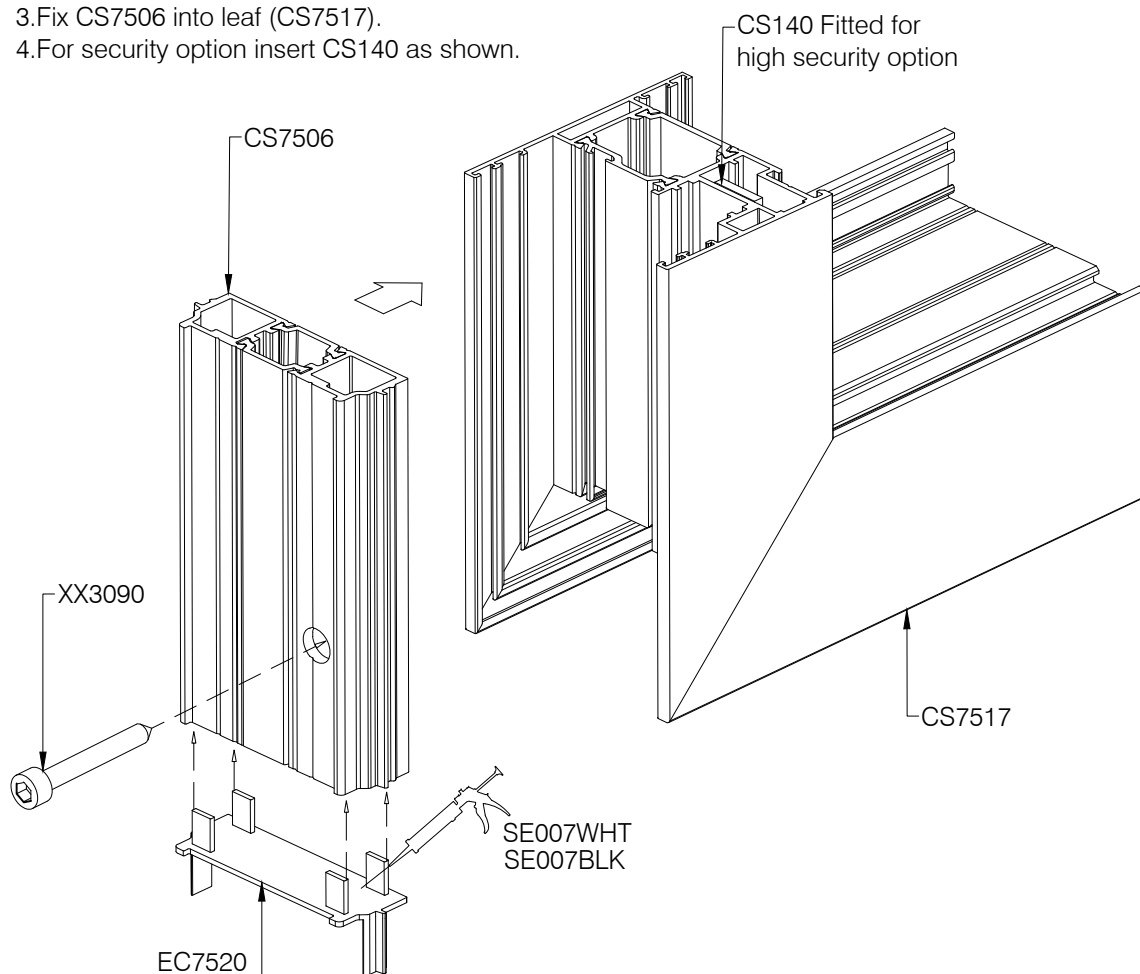
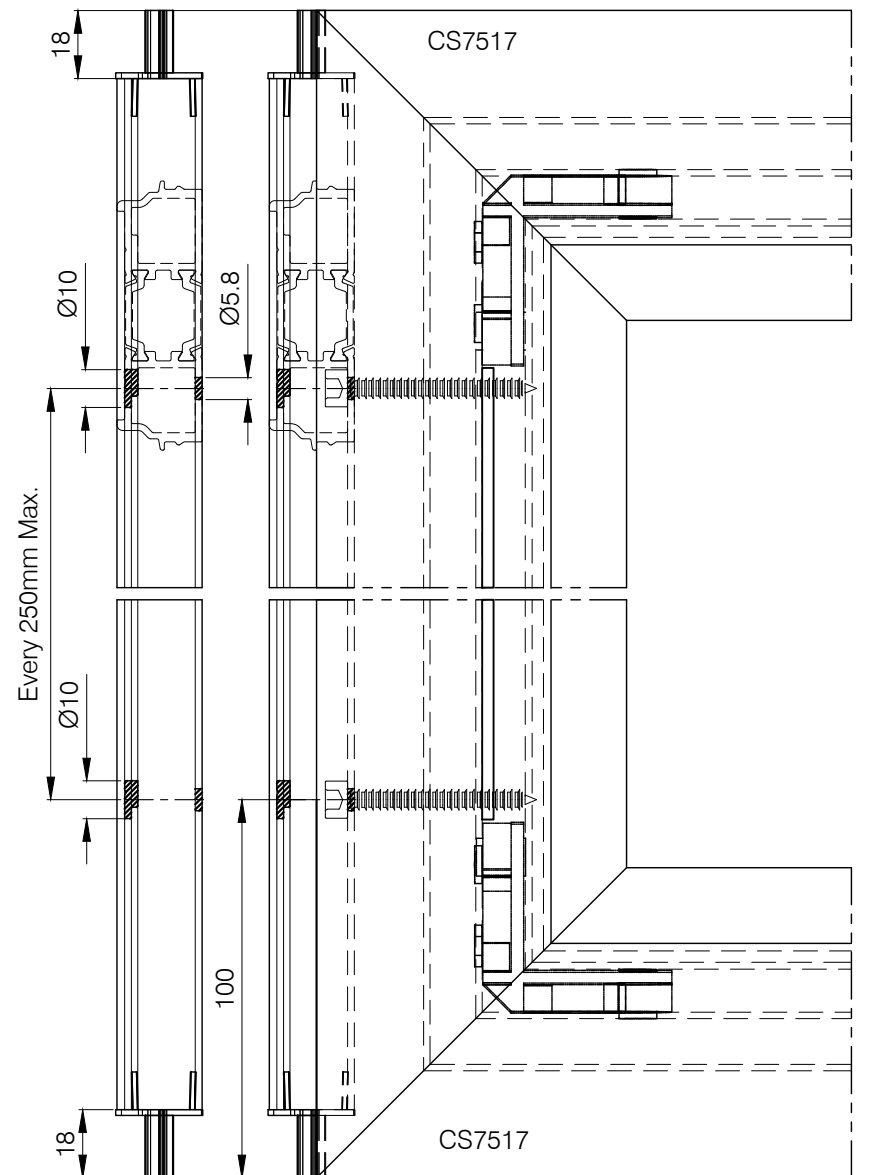
A4 Scale 1:2, NTS

R0 - 31/10/2017

5.06

Note:

1. Apply silicone to EC7520 as indicated
2. Insert SE007 into both top and bottom of CS7506.
3. Fix CS7506 into leaf (CS7517).
4. For security option insert CS140 as shown.



comar 7P.iLS+

ASSEMBLY

5

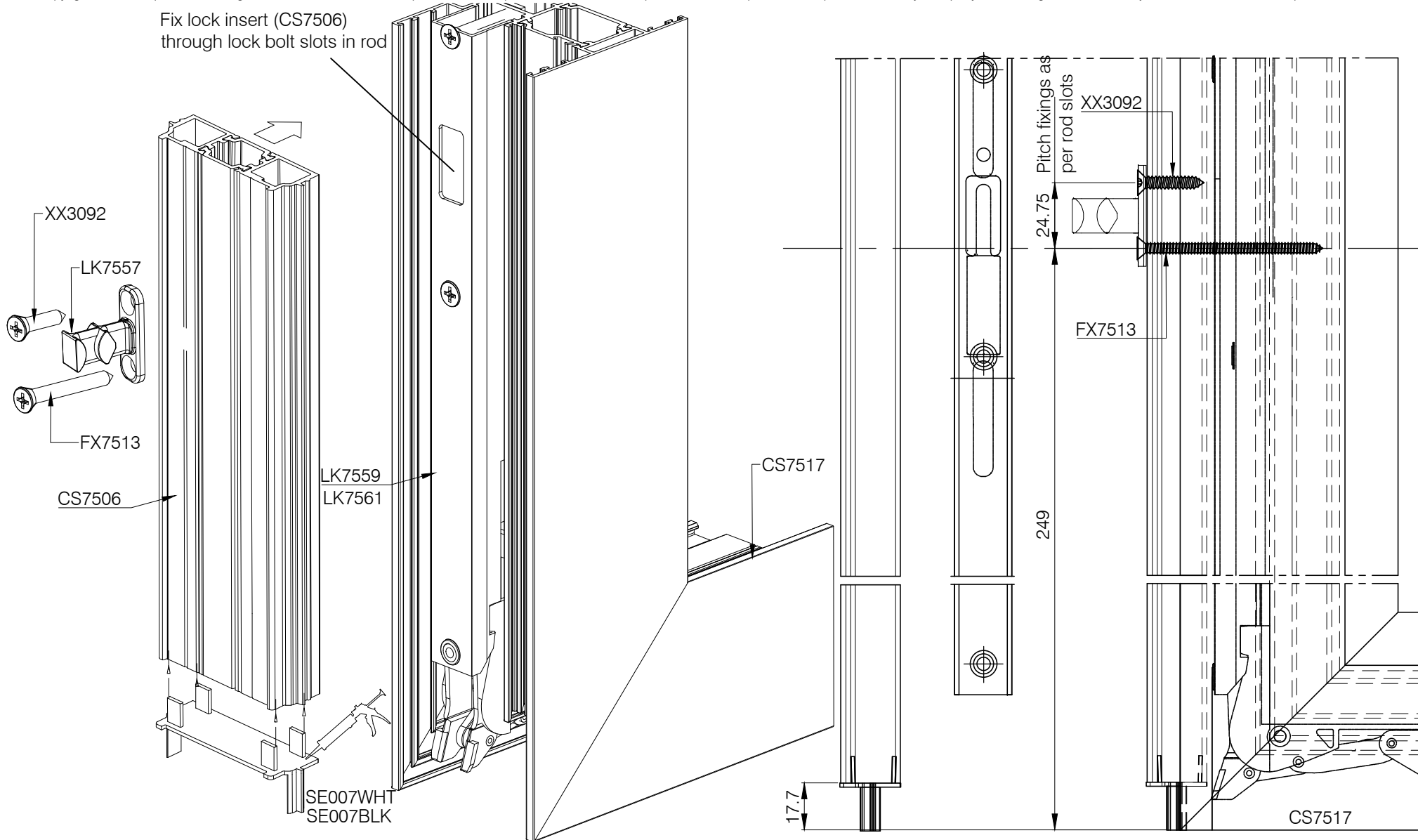


Meeting Stile Fixed
Locking Insert Assembly
CS7506- EC7520

A4 Scale 1:2

R0 - 31/10/2017

5.07



comar 7P.i LS+

ASSEMBLY

5

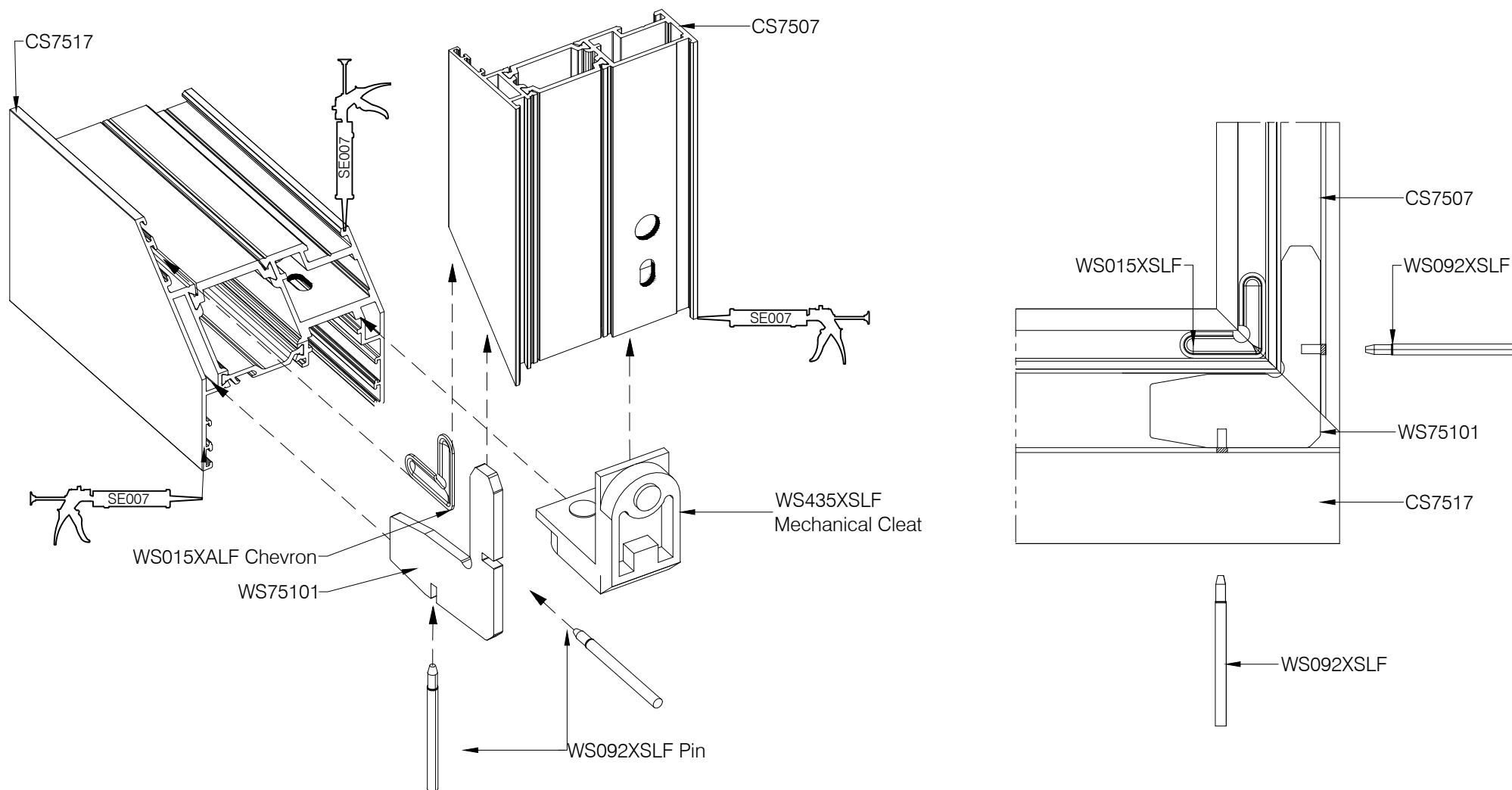
comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Meeting Stiles Movable
Locking Insert Assembly
CS7506- EC7520

A4 Scale 1:2

R0 - 31/10/2017

5.08



comar 7P.iLS+

ASSEMBLY

5

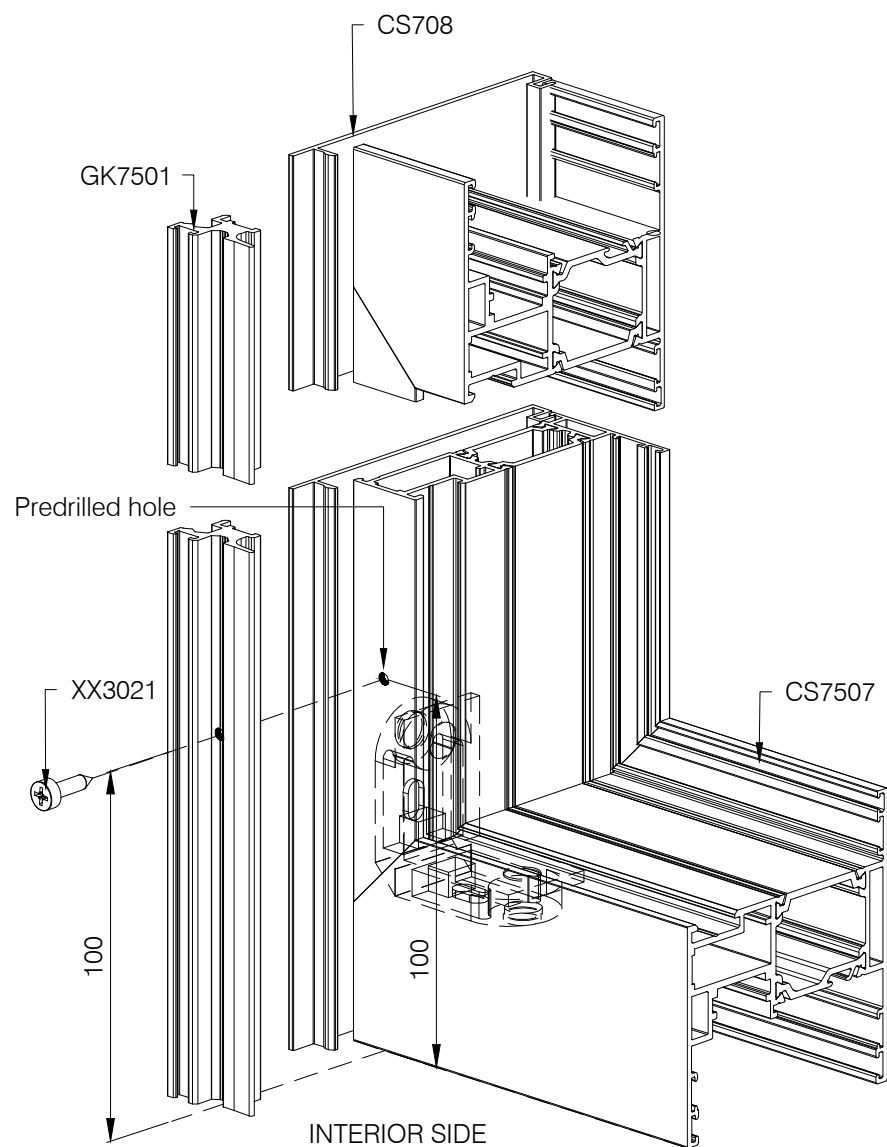
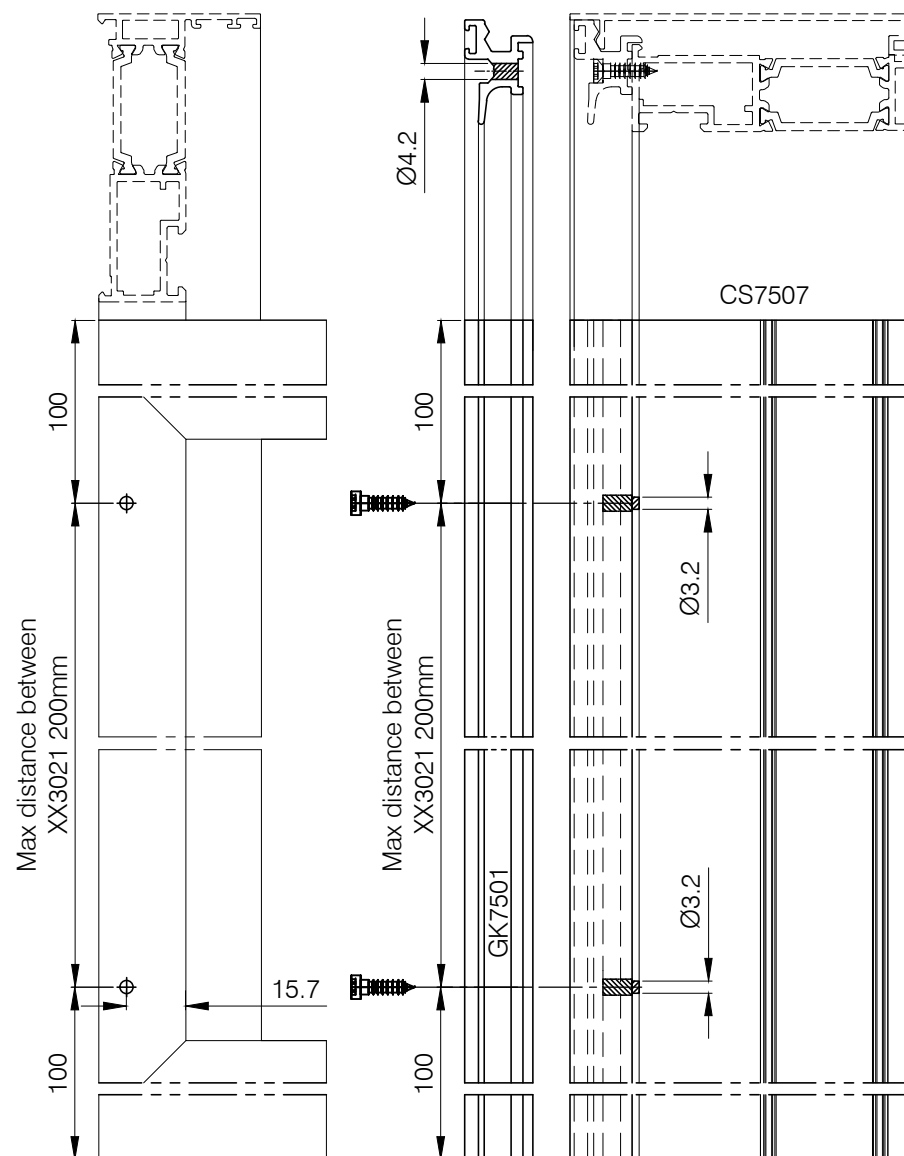


Slim Interlock
Leaf Corner Assembly

A4 Scale 1:2

R1 - 23/11/2018

5.11



comar 7P.i LS+

ASSEMBLY

5

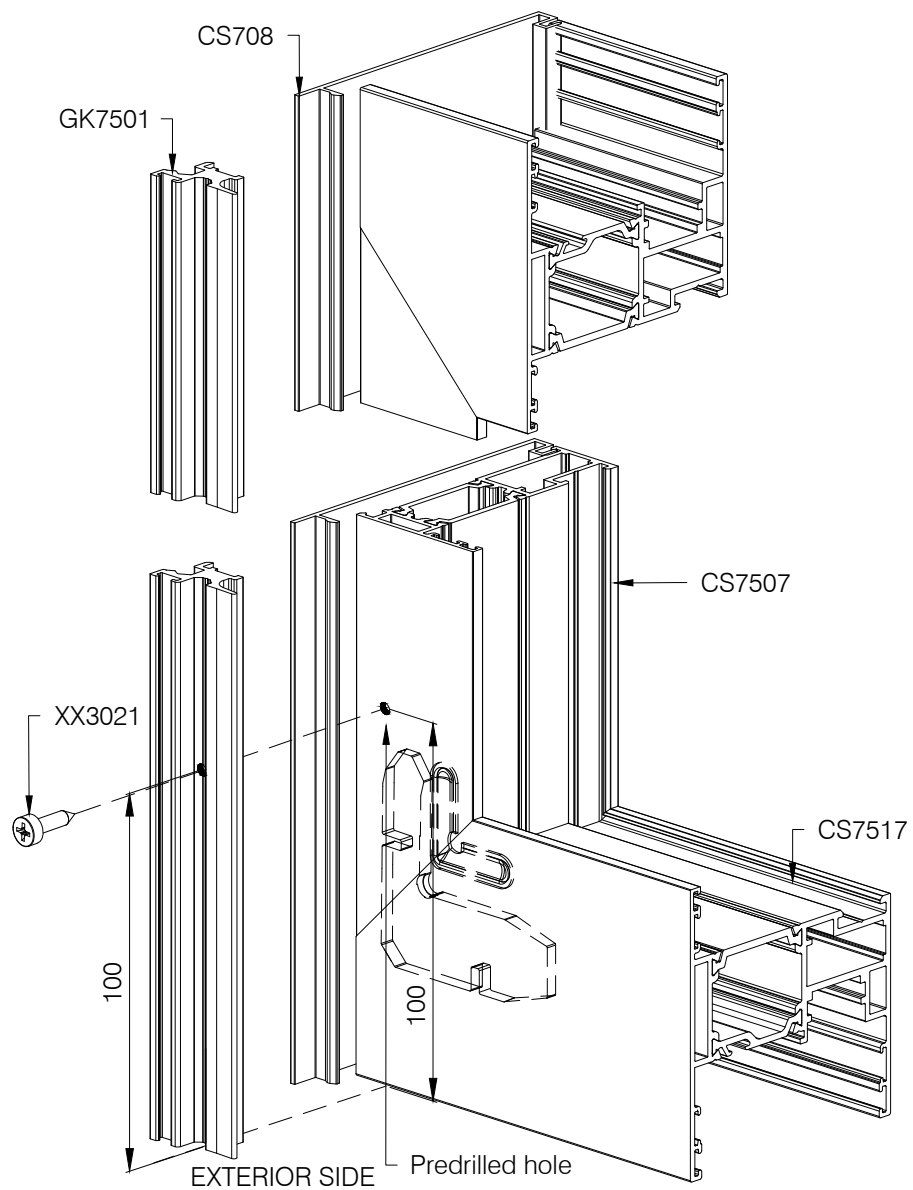


Slim Interlock
GK7501 & CS7507
Preparation & Assembly

A4 Scale 1:2

R1 - 28/11/2018

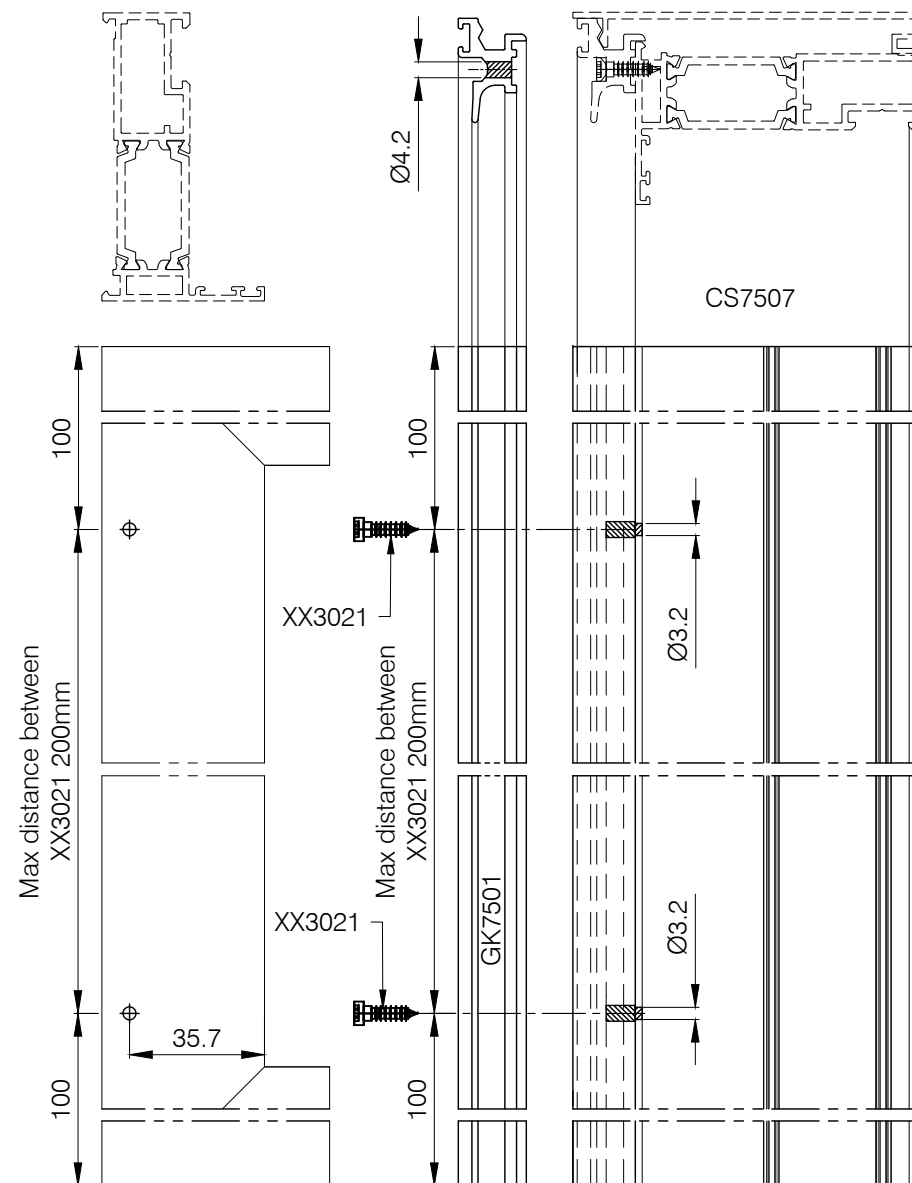
5.12



comar 7P.iLS+

ASSEMBLY

5

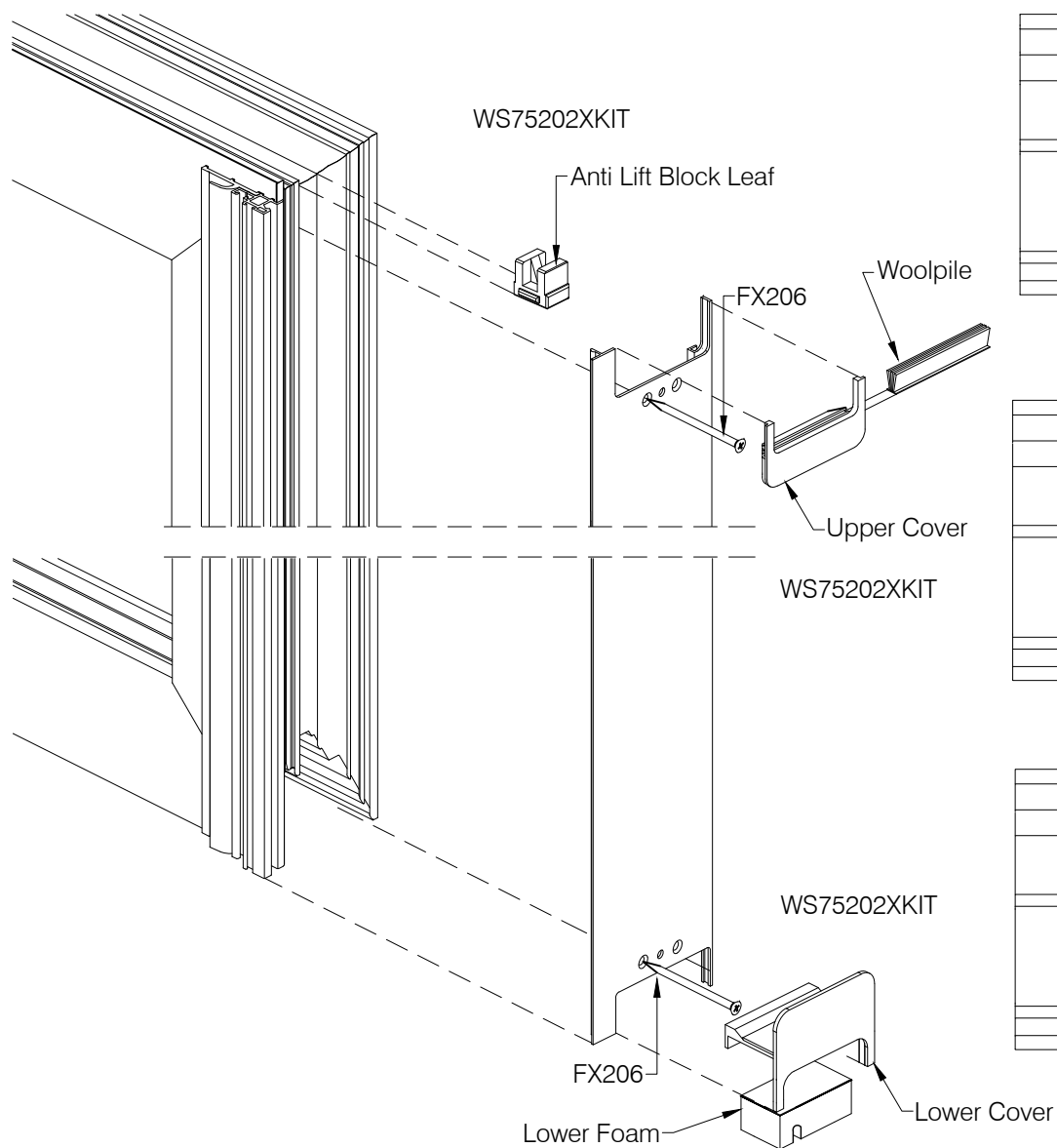
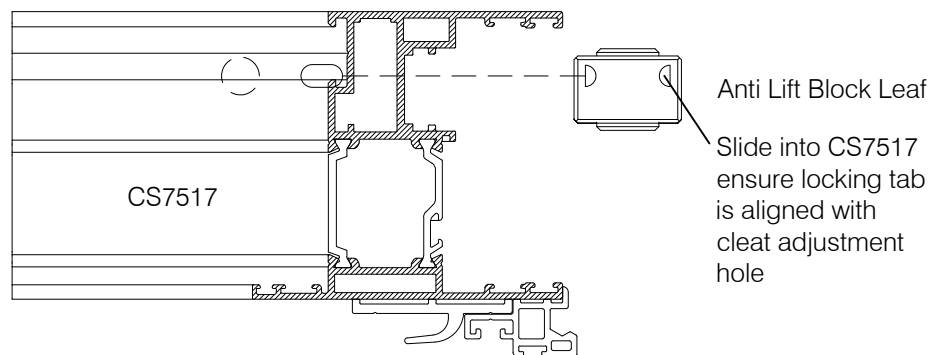


Slim Interlock
GK7501 & CS7507
Preparation & Assembly

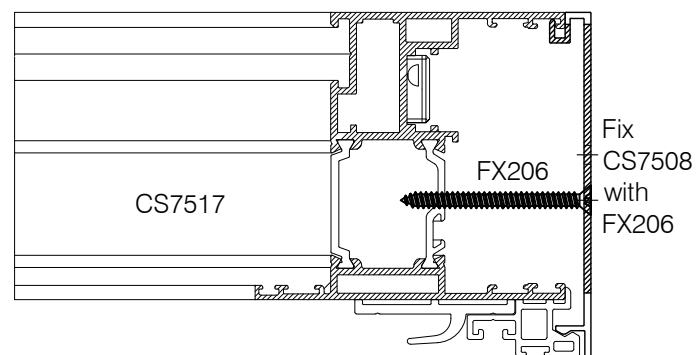
A4 Scale 1:2

R2 - 04/12/2019

5.13

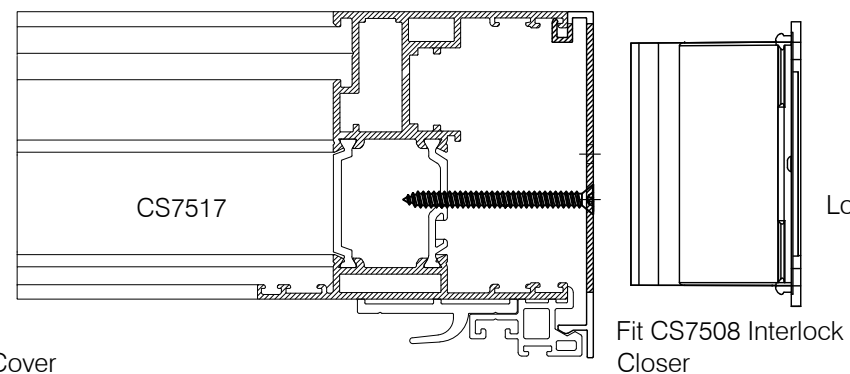


TOP



Upper Cover

BOTTOM



Lower Cover

comar 7P.iLS+

ASSEMBLY

5

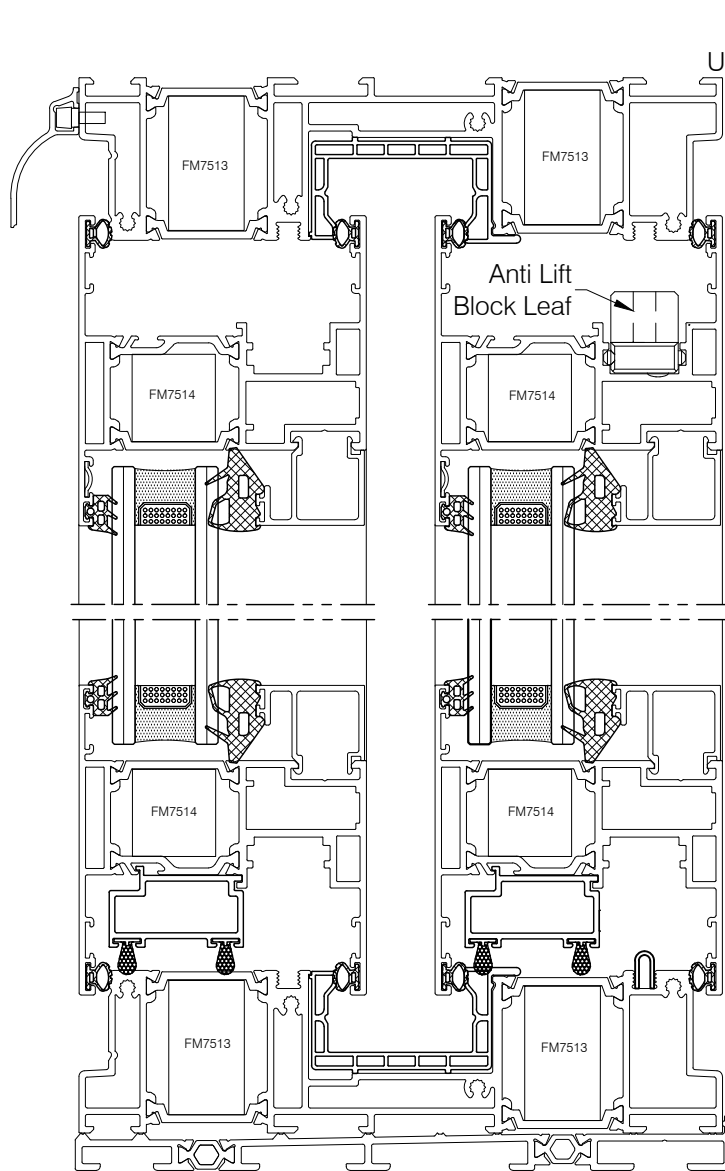


Interlock Closure
Cover Cap and
Fastening Set Up

A4 Scale 1:2, 1:4

R1 - 04/12/2019

5.14

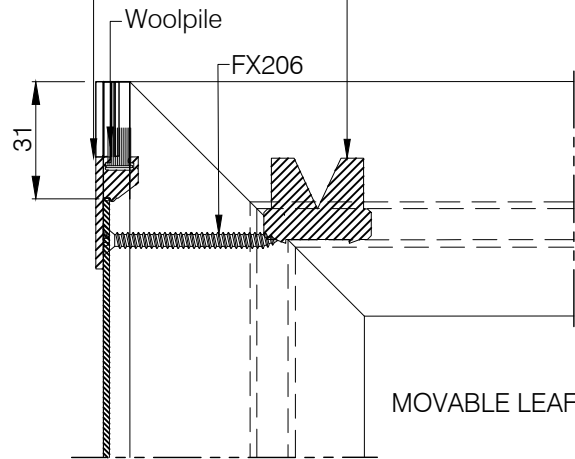
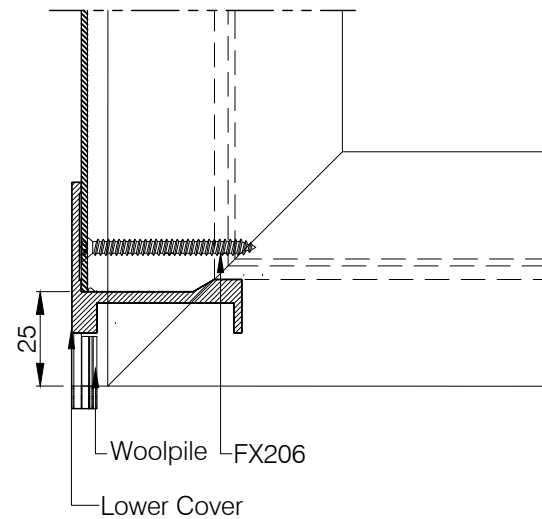
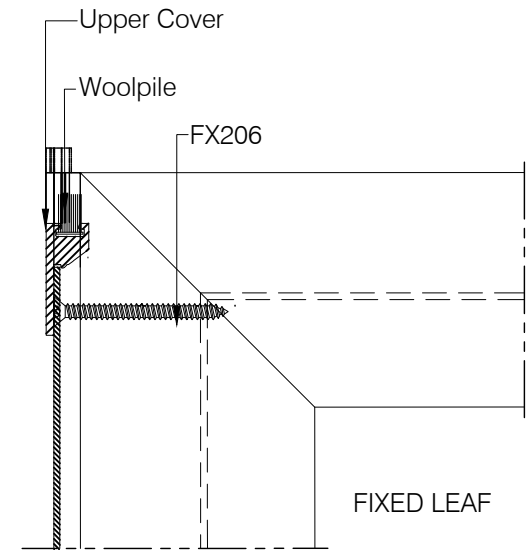
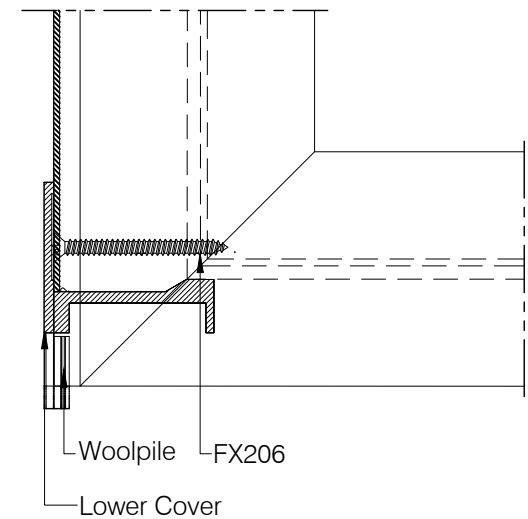


WS75202XKIT

WS75202XKIT

Upper Cover

Anti Lift
Block Leaf



comar 7P.iLS+

ASSEMBLY

5

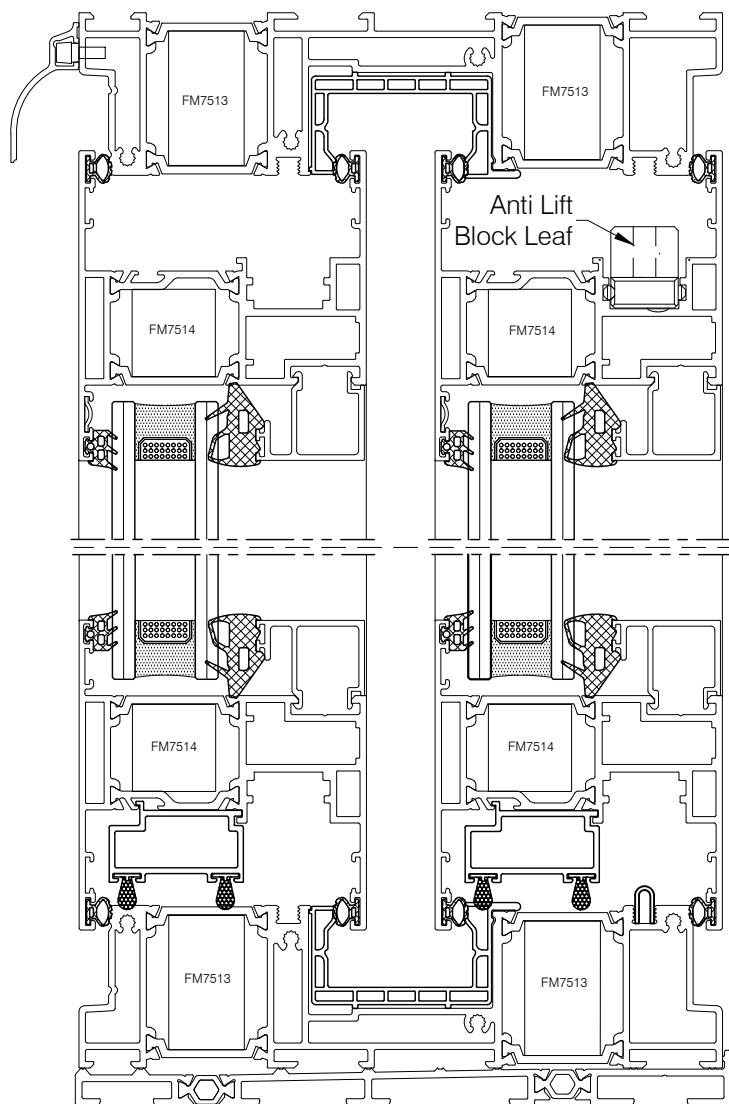
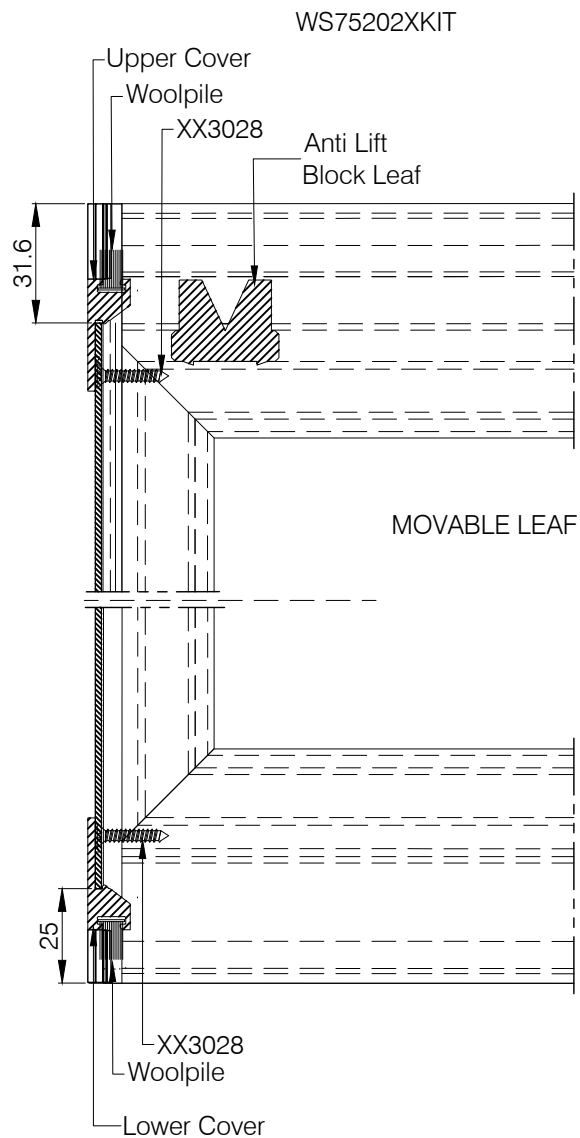
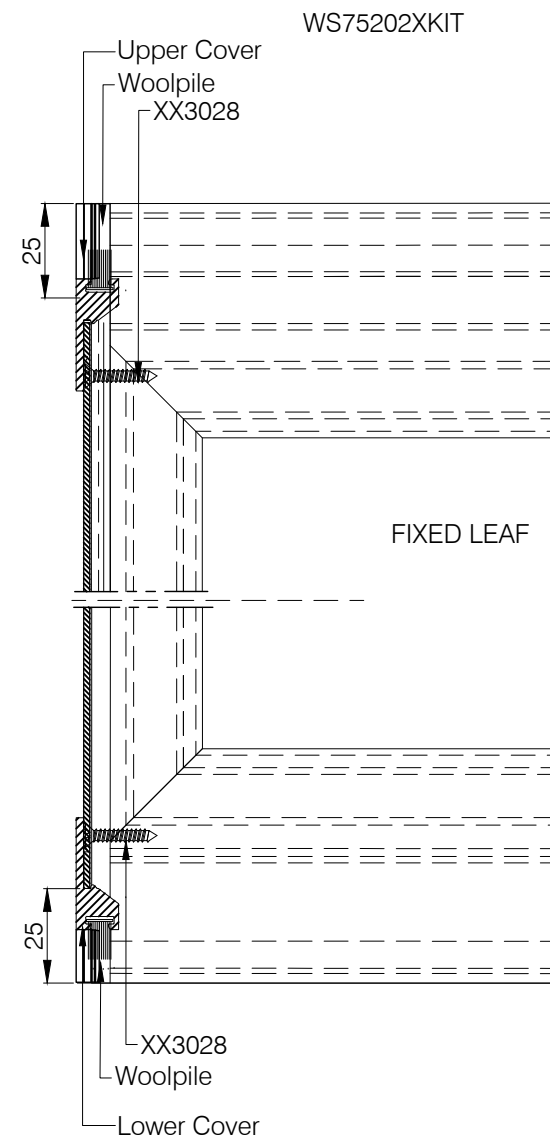


Double Track Door
Standard Interlock
Closure Cover Cap

A4 Scale 1:2

R1 - 04/12/2019

5.15



comar 7P.iLS+

ASSEMBLY

5

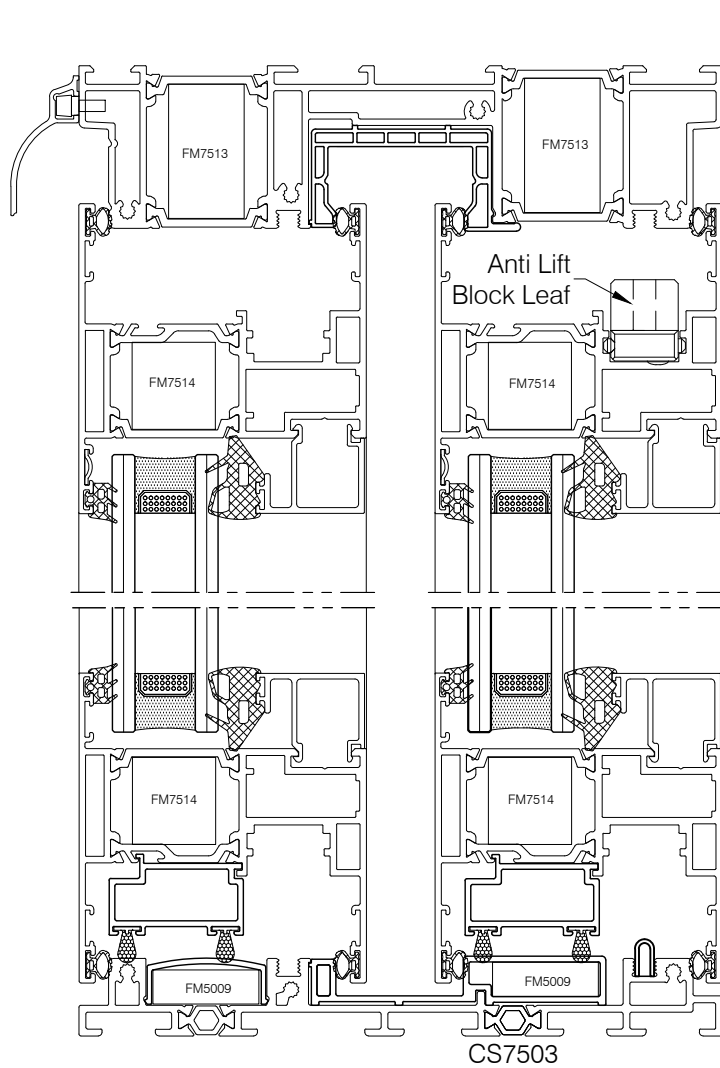
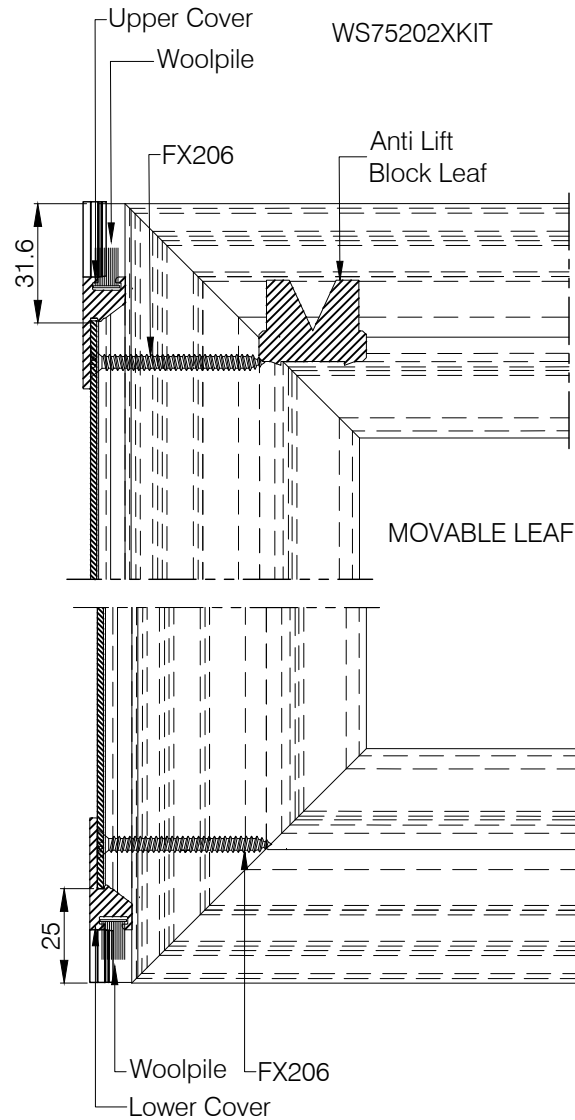
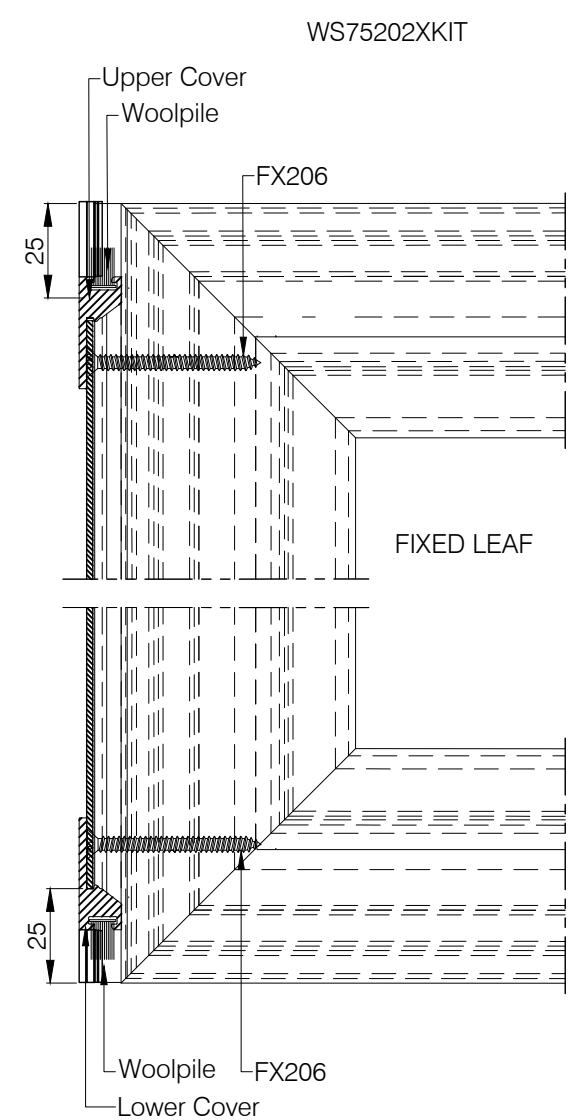


Double Track Door
Slim Interlock
Closure Cover Cap

A4 Scale 1:2

R1 - 04/12/2019

5.16



comar 7P.iLS+

ASSEMBLY

5

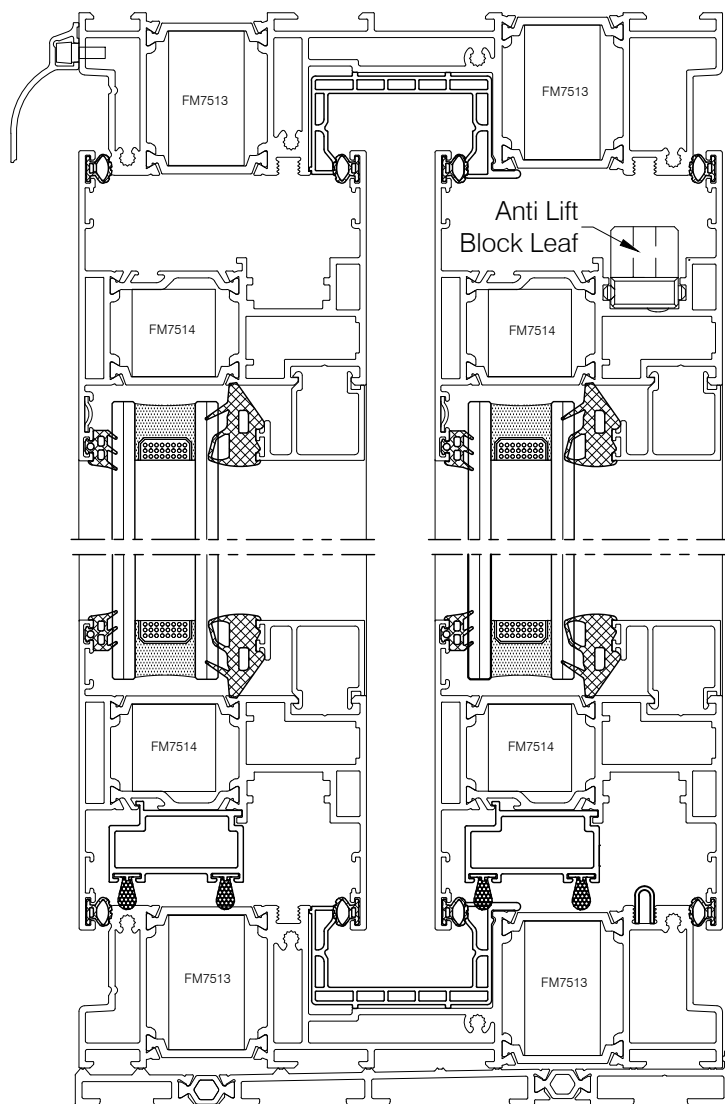
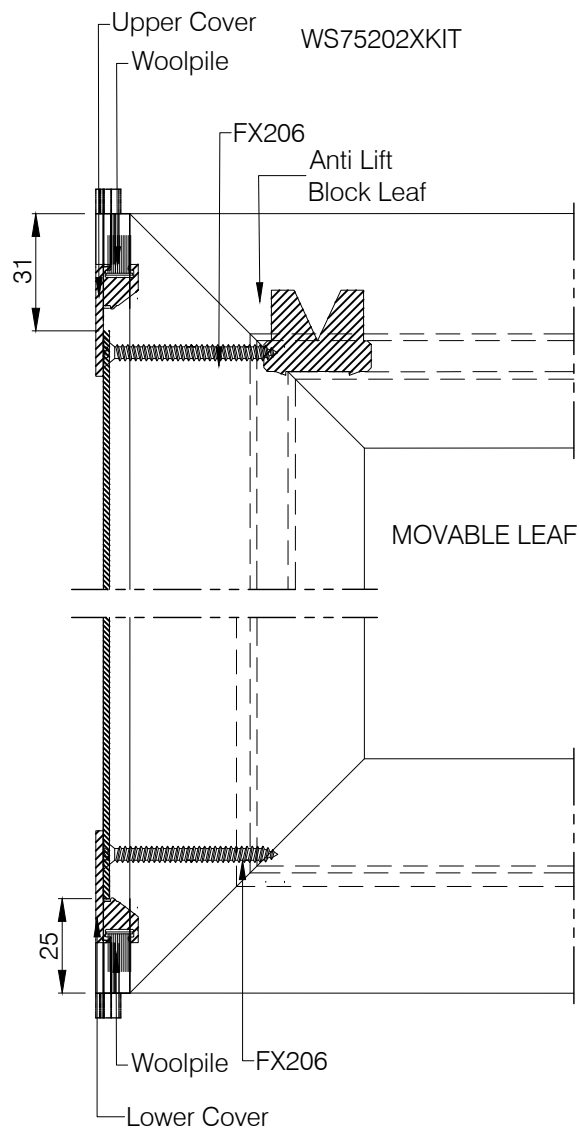
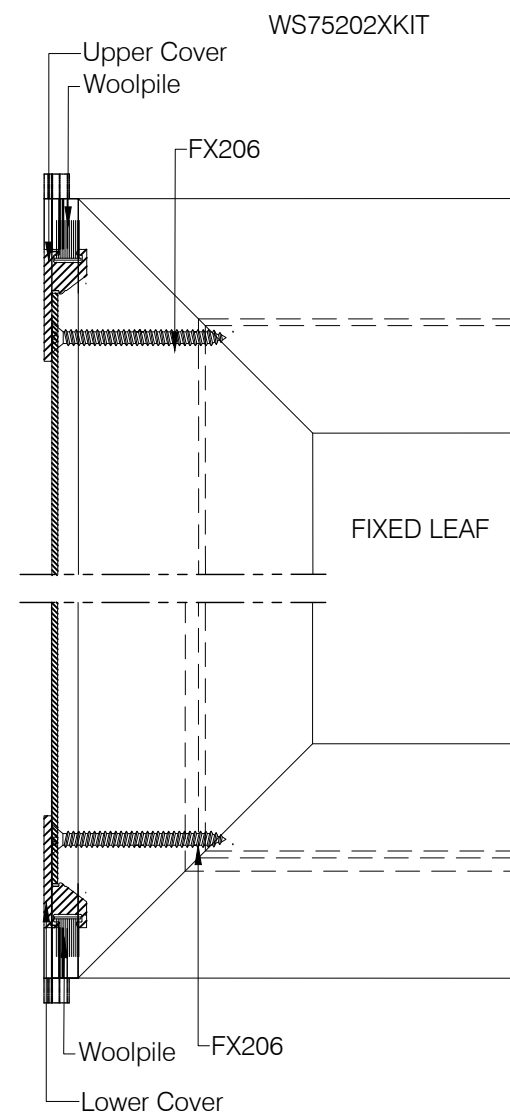


Double Track Door
Closure Cover Cap
Low Threshold

A4 Scale 1:2

R1 - 04/12/2019

5.17



comar 7P.iLS+

ASSEMBLY

5



Double Track Door-In Line Slider
Standard Interlock
Closure Cover Cap

A4 Scale 1:2

R0 - 04/12/2019

5.17.1

FUTURE
ADDITION

comar 7P.iLS+

ASSEMBLY

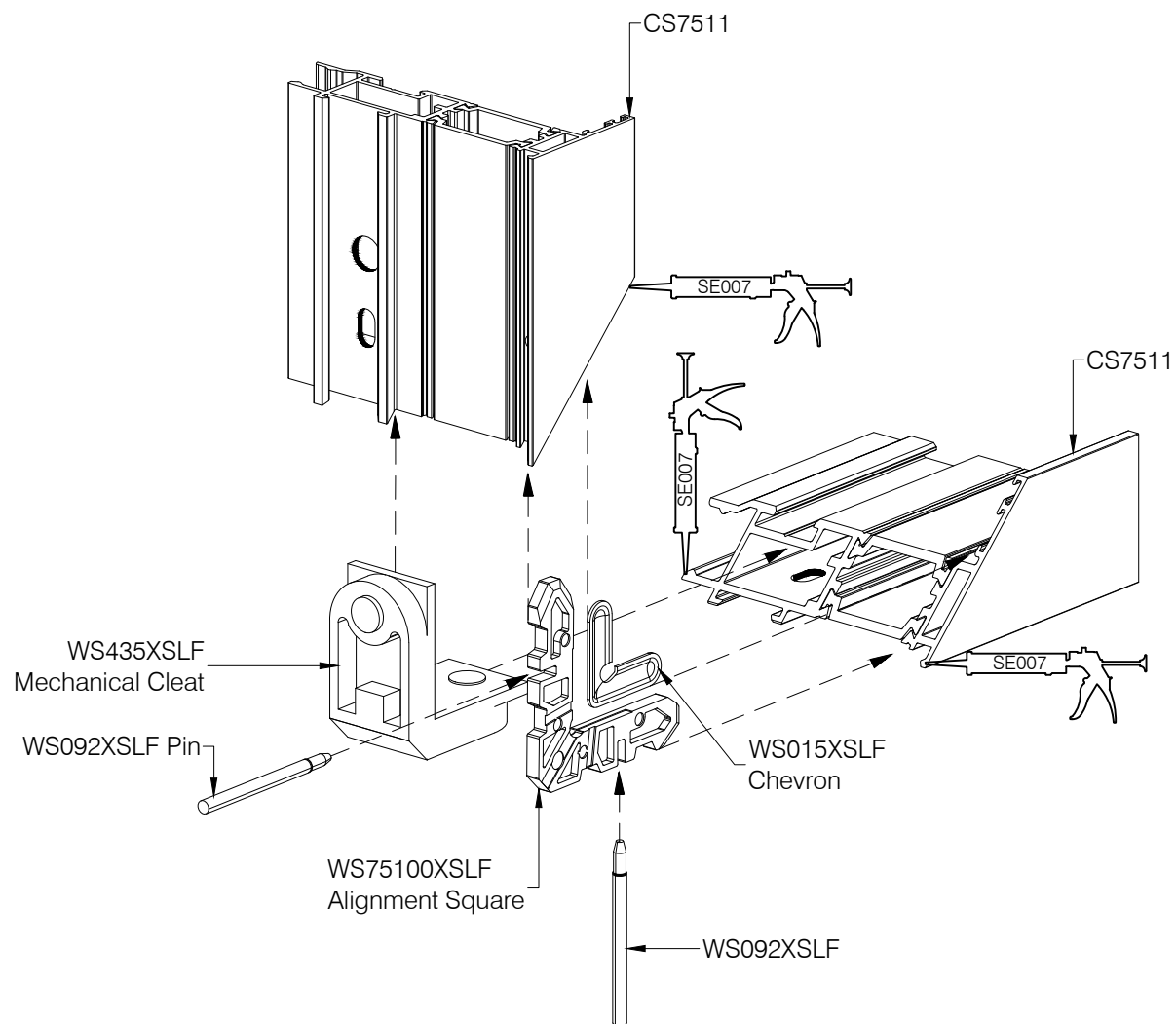
5



A4 Scale NTS

R0 - 04/12/2019

5.17.2



comar 7P.iLS+

ASSEMBLY

5

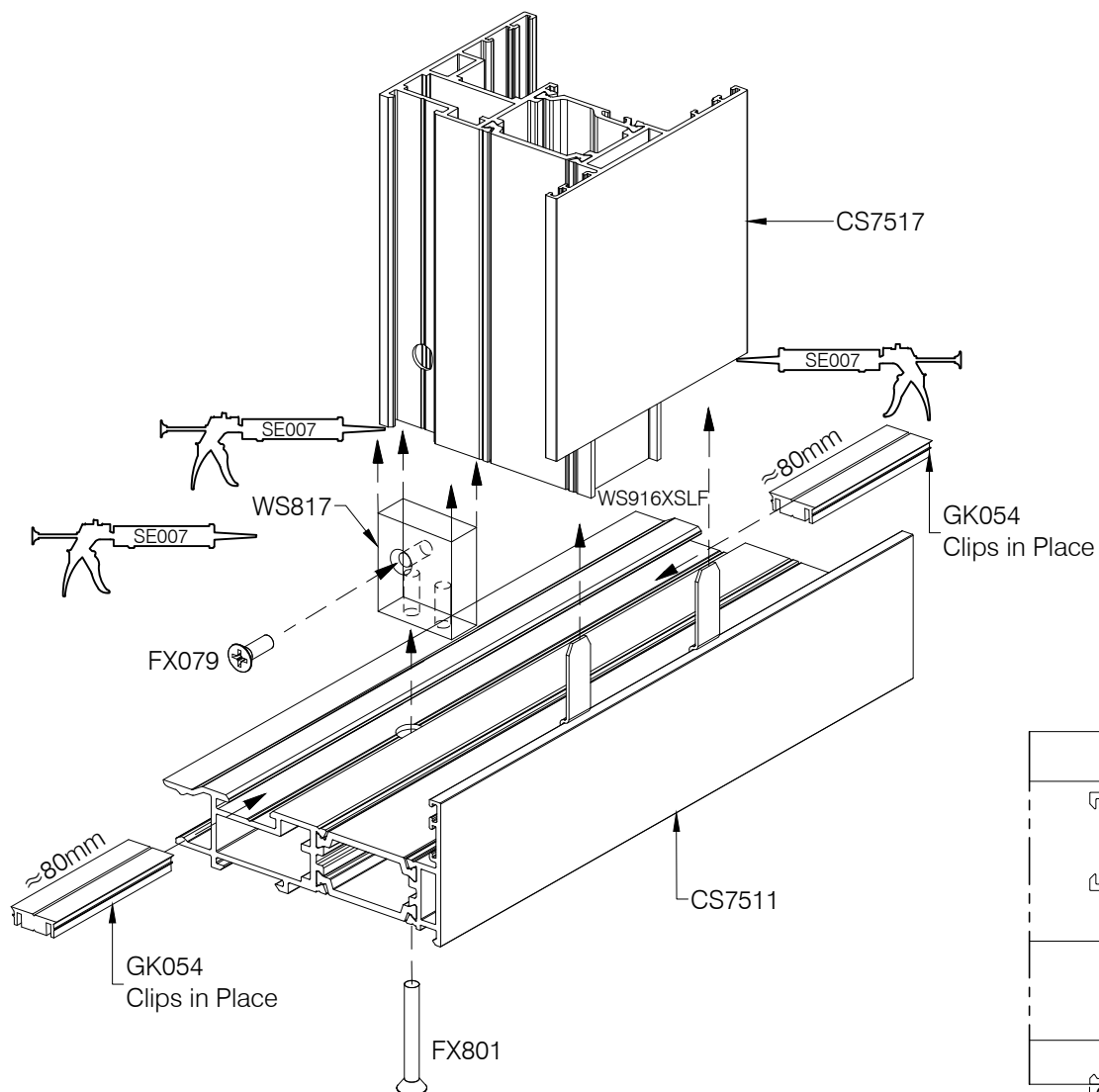
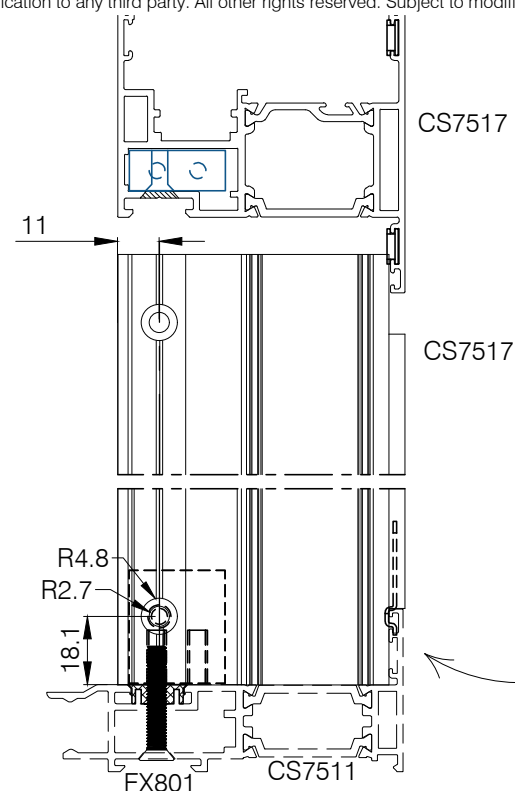
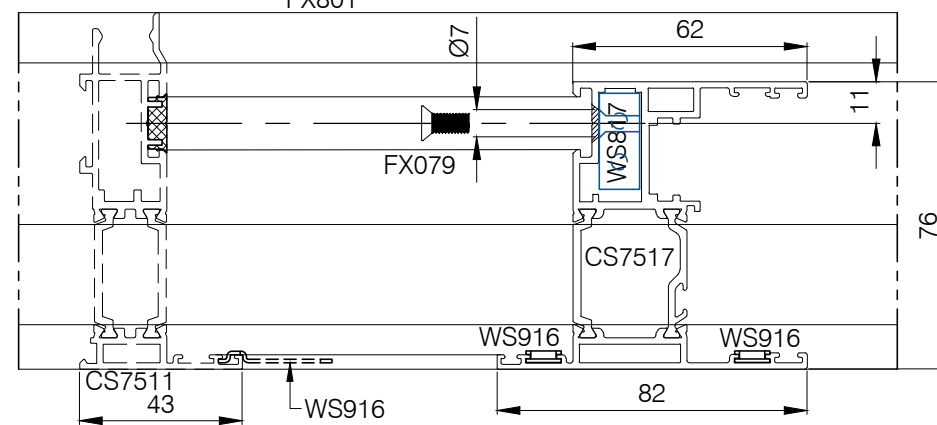


Triple Track Door
Fixed Frame CS7511
Corner Assembly

A4 Scale NTS

R0 - 31/10/2017

5.18



comar 7P.i LS+

ASSEMBLY

5

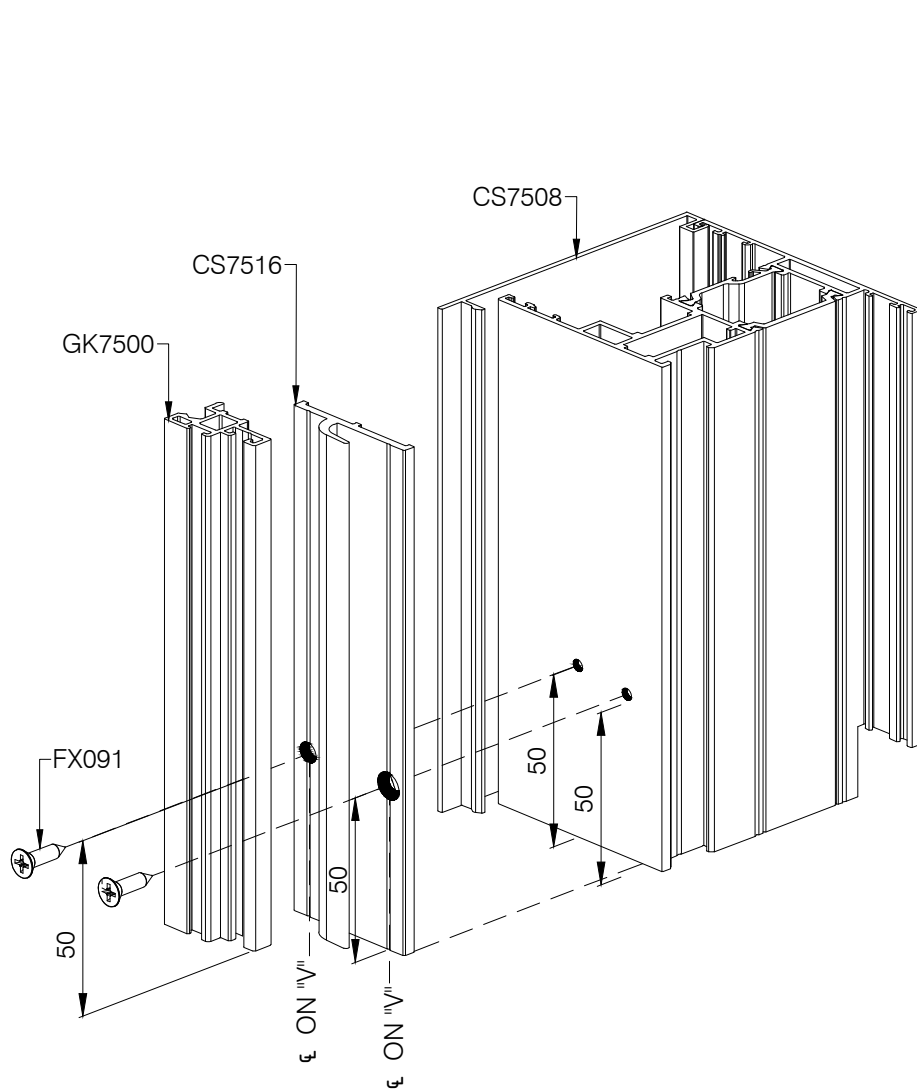
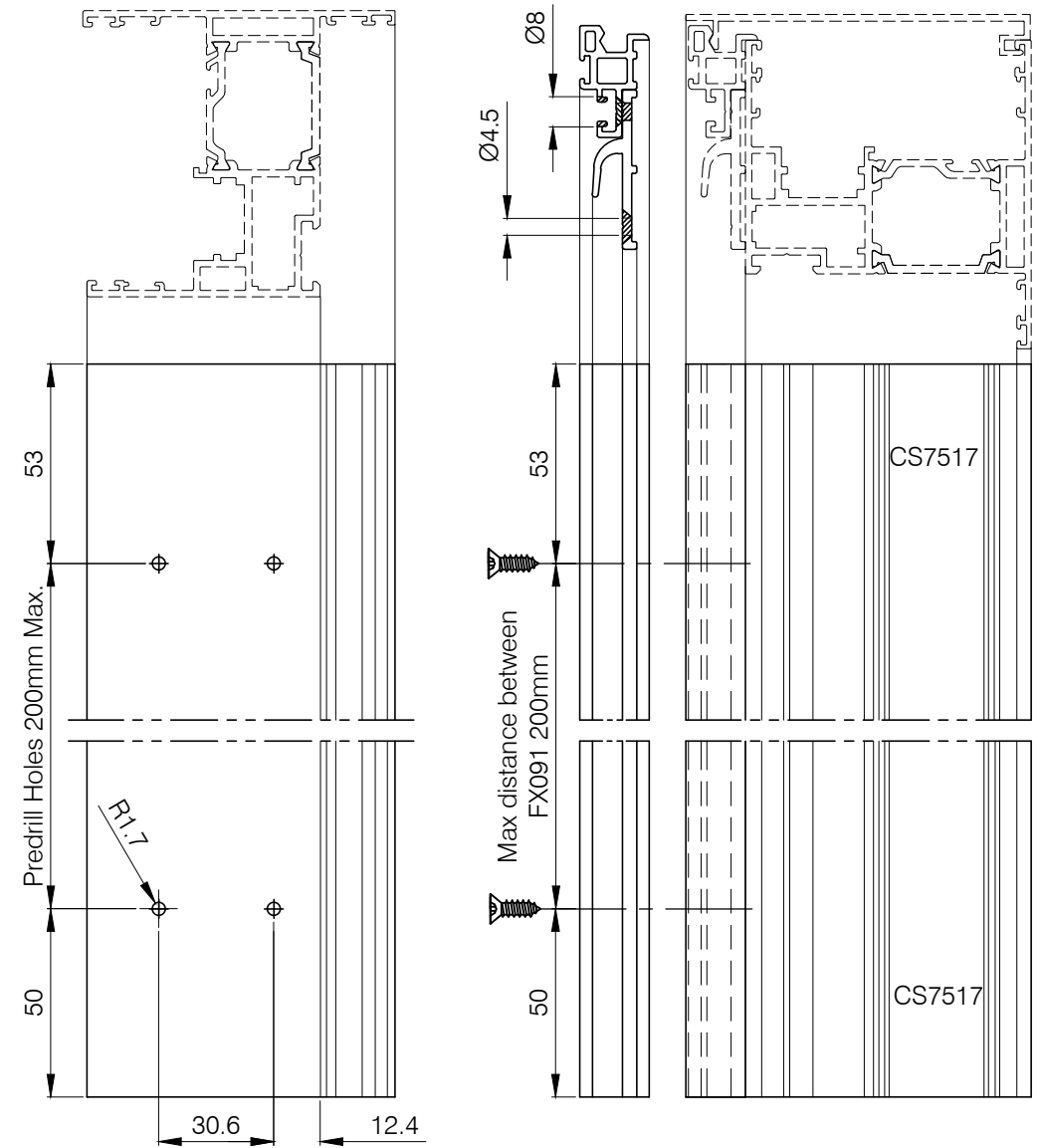


Triple Track Door
CS7517 Mid Stile
to CS7511 Assembly

A4 Scale 1:2

R1 - 23/11/2018

5.19



comar 7P.i LS+

ASSEMBLY

5

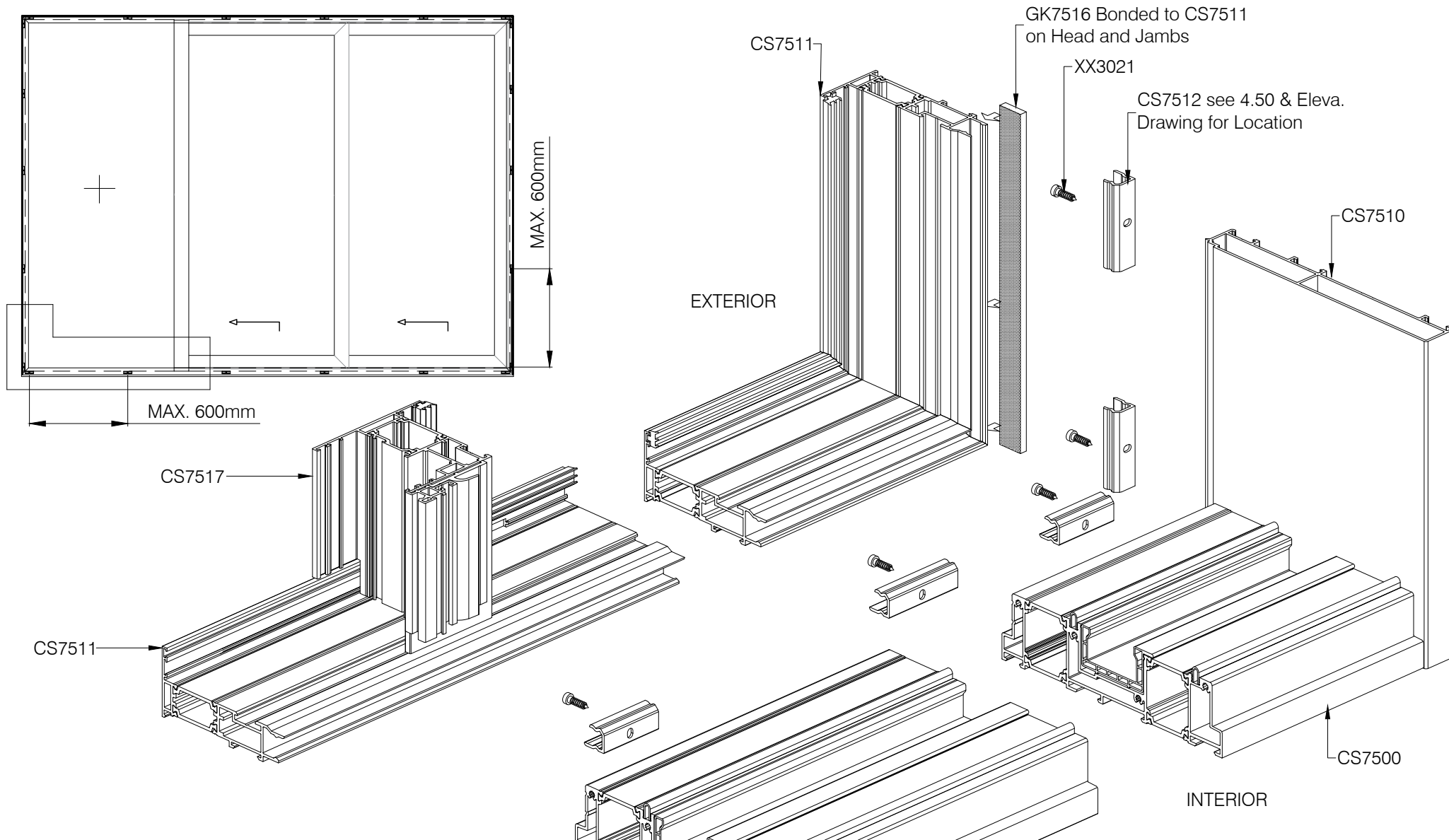


Triple Track
Standard Interlock-Fixed Frame
GK7500 & CS7516

A4 Scale 1:2

R1 - 28/11/2018

5.20



comar 7P.iLS+

ASSEMBLY

5

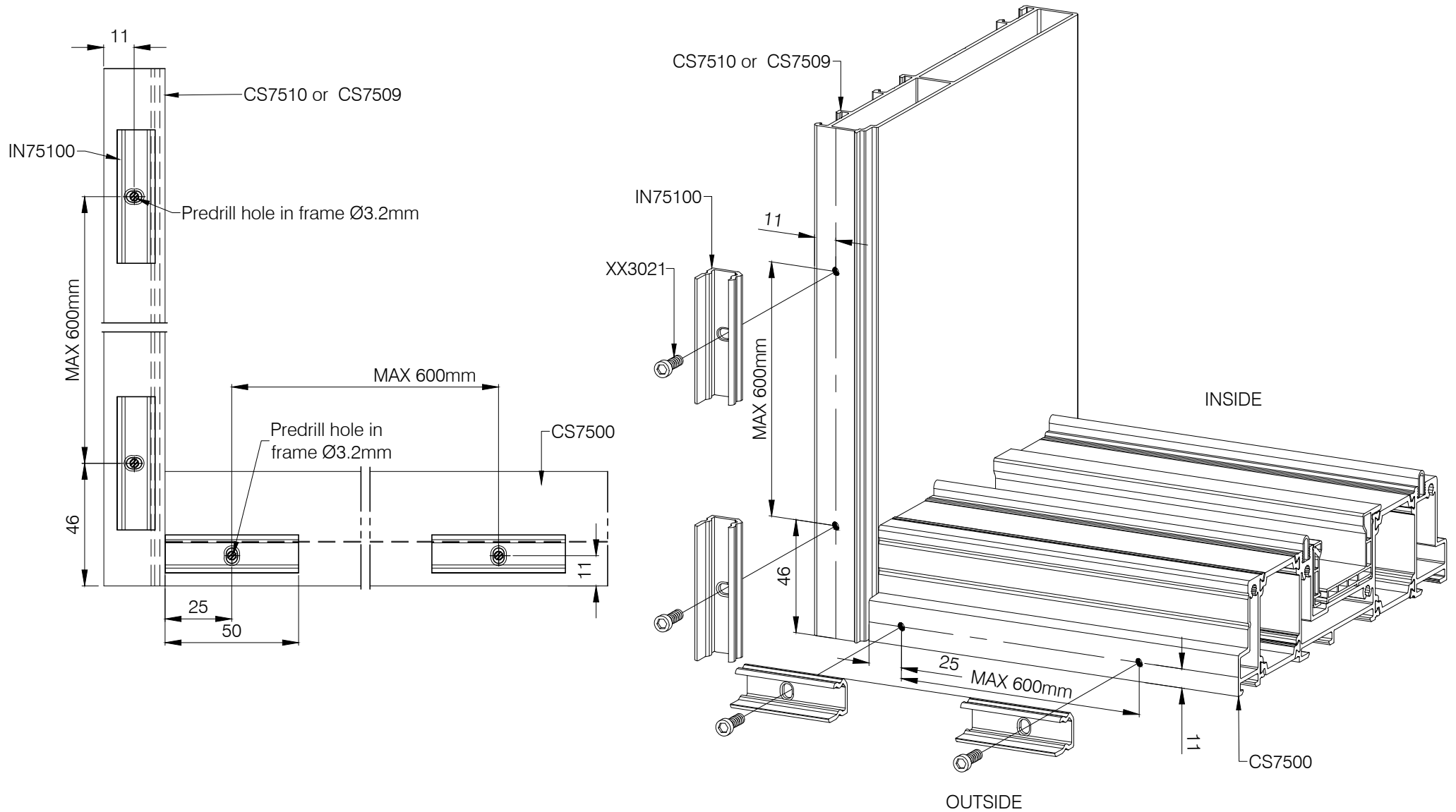


Triple Track Door
Fixed Frame CS7511 Assembly
to Inner Double Track Frame

A4 Scale NTS

R0 - 31/10/2017

5.21



comar 7P.i LS+

FABRICATION DETAILS

4



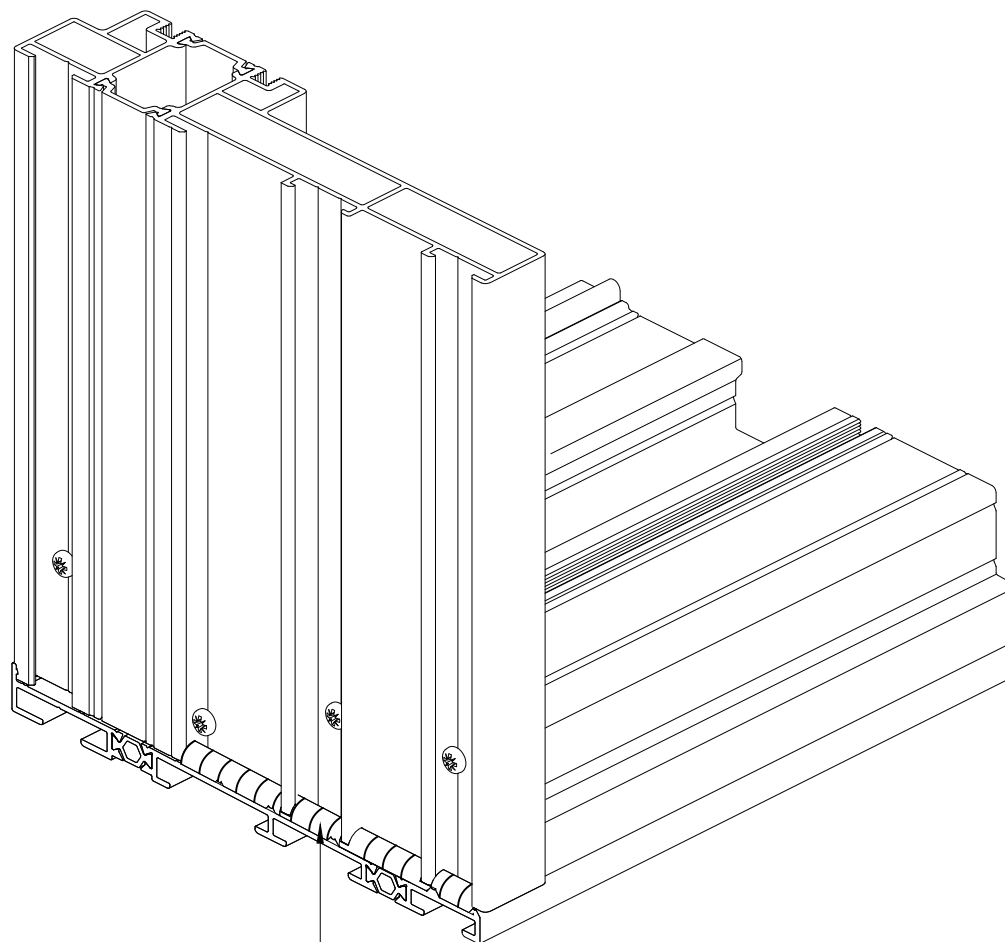
Triple Track Door
Connector IN75100
Preparation

A4 Scale 1:2

R1 - 29/11/2018

5.22

DOUBLE TRACK DOOR



Apply Low Modulus Silicone to
Infill Gap between Jamb and Sill
plus at Corners of Jamb/Sill
after assembly of Door Jamb to Sill

comar 7P.iLS+

ASSEMBLY

5



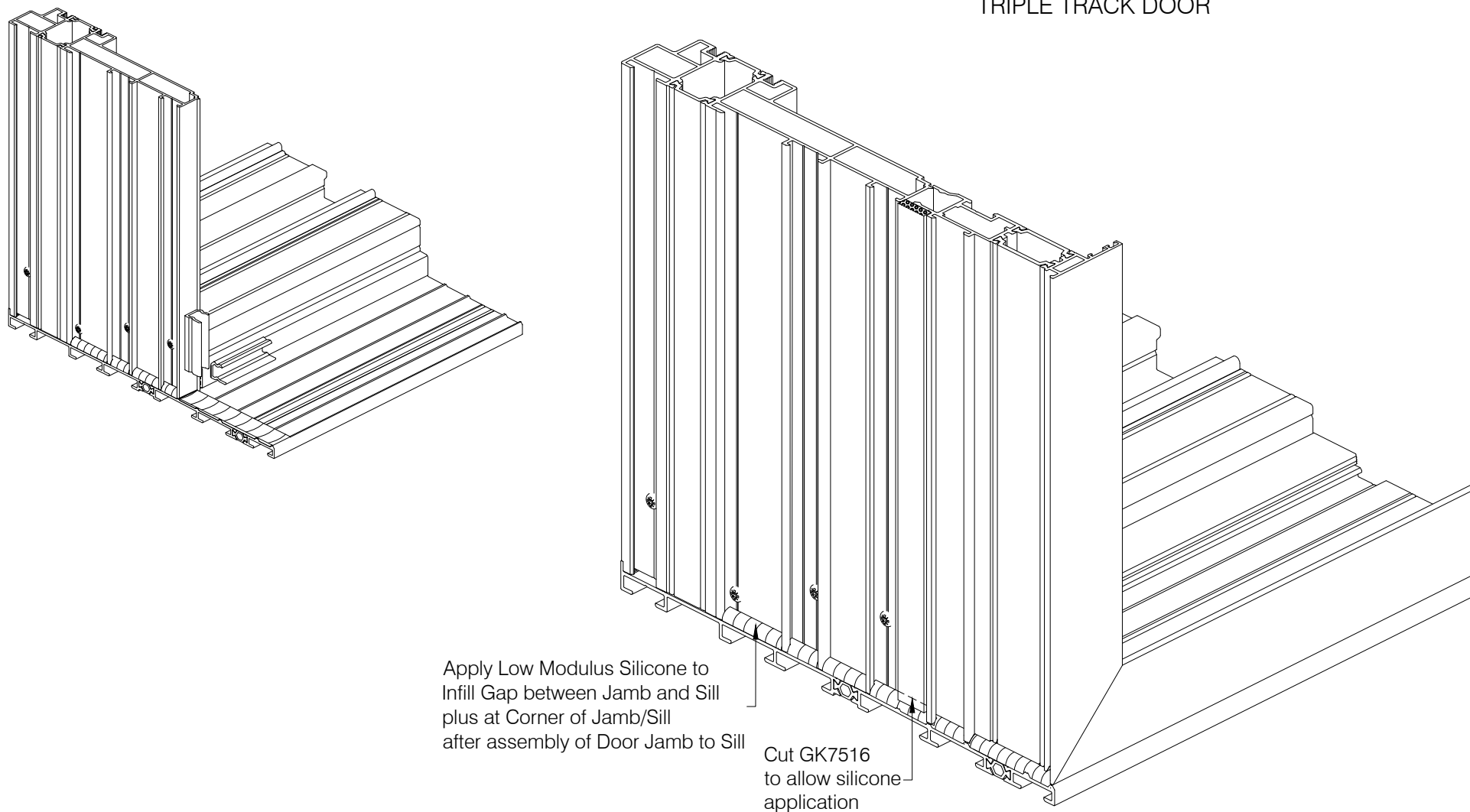
Fabrication Details
Silicone Seal at Jamb

A4 NTS

R0 - 31/10/2017

5.23

TRIPLE TRACK DOOR



comar 7P.iLS+

ASSEMBLY

5



Silicone Seal at
Jamb Corner Details

A4 NTS

R0 - 31/10/2017

5.24

HARDWARE

comar 7P.iLS+

HARDWARE

6



Fabrication Details

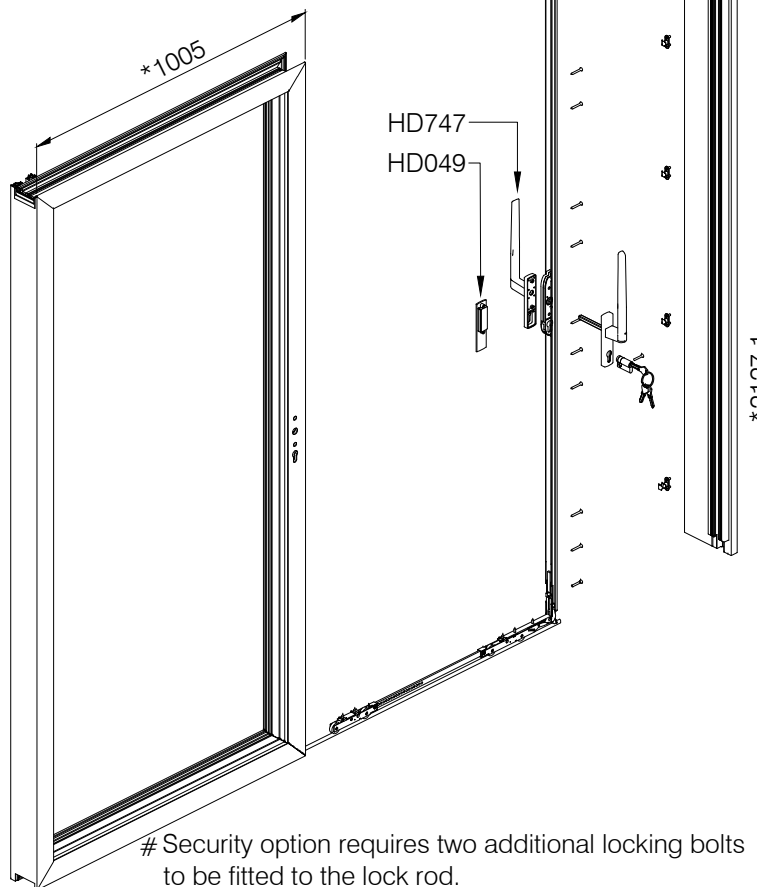
R0 - 11/10/2017

6.00

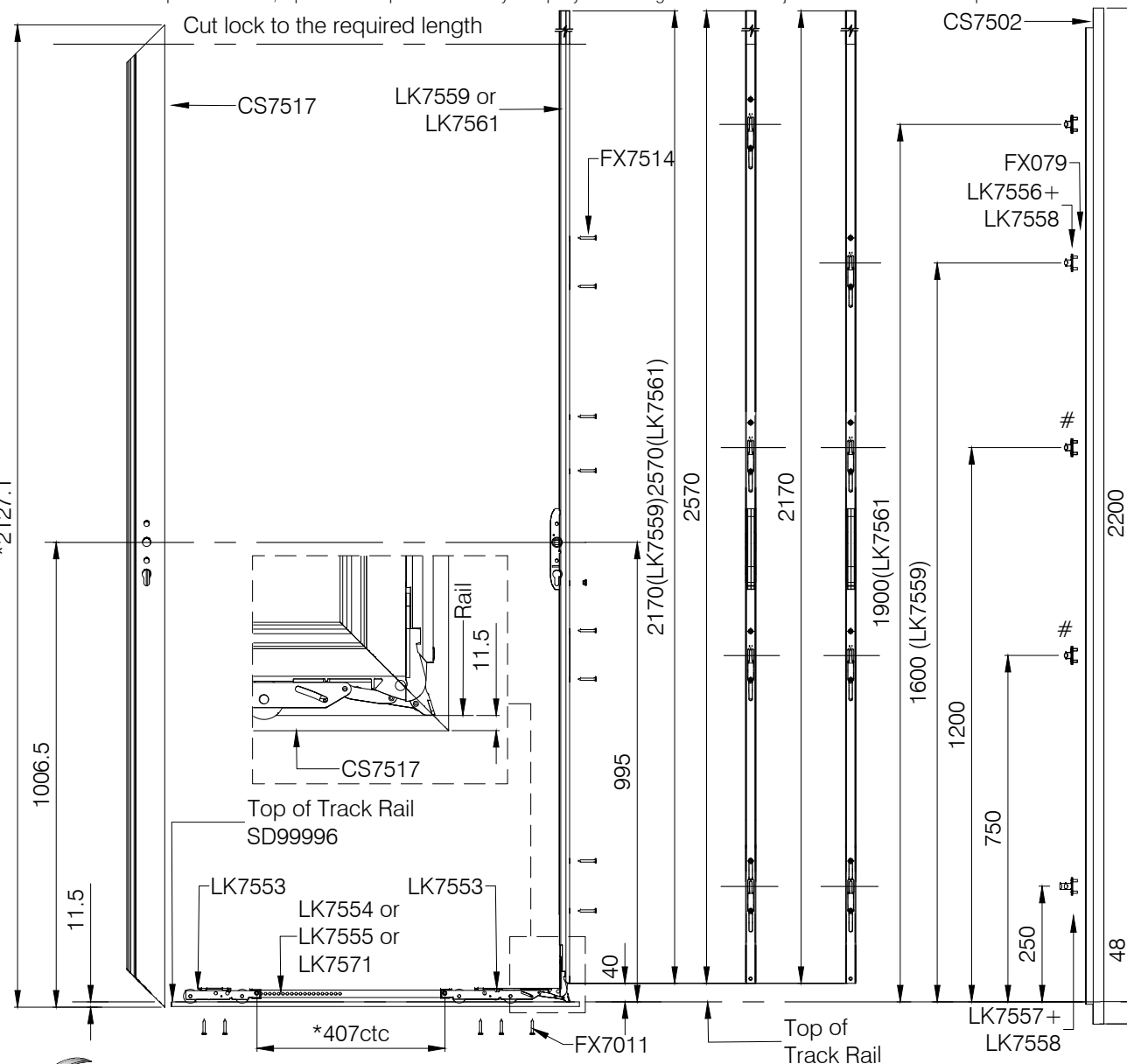
* Dimensions for 2000x2200 door.

Lock Rods		
Code	Description	Height (HD)
LK7559	Lock Rod 220	1776-2275
LK7561	Lock Rod 260	2276-2675
LK7563	Rod Extension	

Please contact product support for straight roller options



Security option requires two additional locking bolts to be fitted to the lock rod.
The locking points provided on the LK7559/LK7561 must be opened up. An additional lock extension LK7563 is required for High Security Option



comar 7P.iLS+

HARDWARE

6

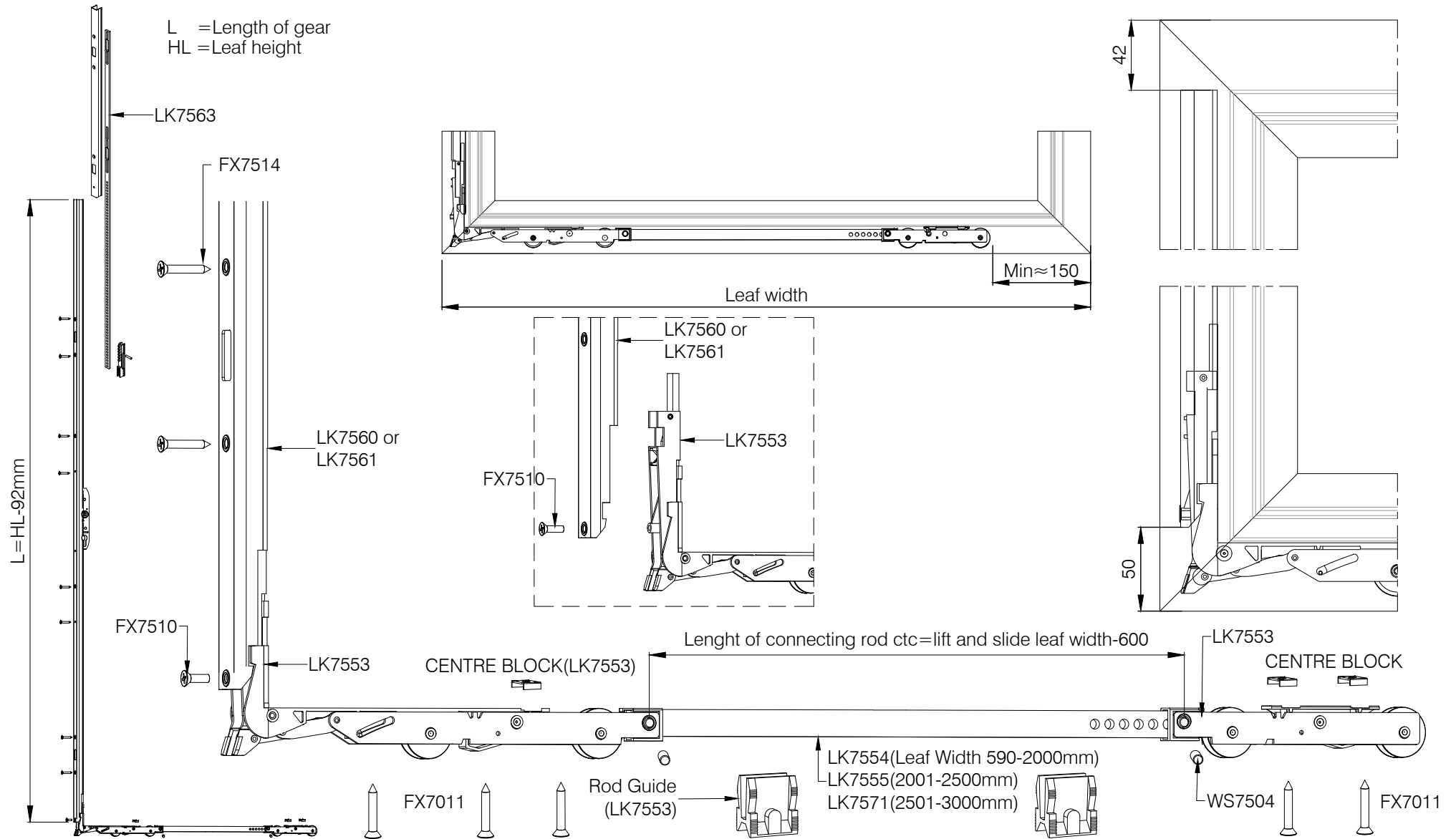


Active Leaf & Locking Insert
LK7559 - LK7561
Hardware Set Up

A4 NTS

R1 - 04/12/2019

6.01



comar 7P.i LS+

HARDWARE

6

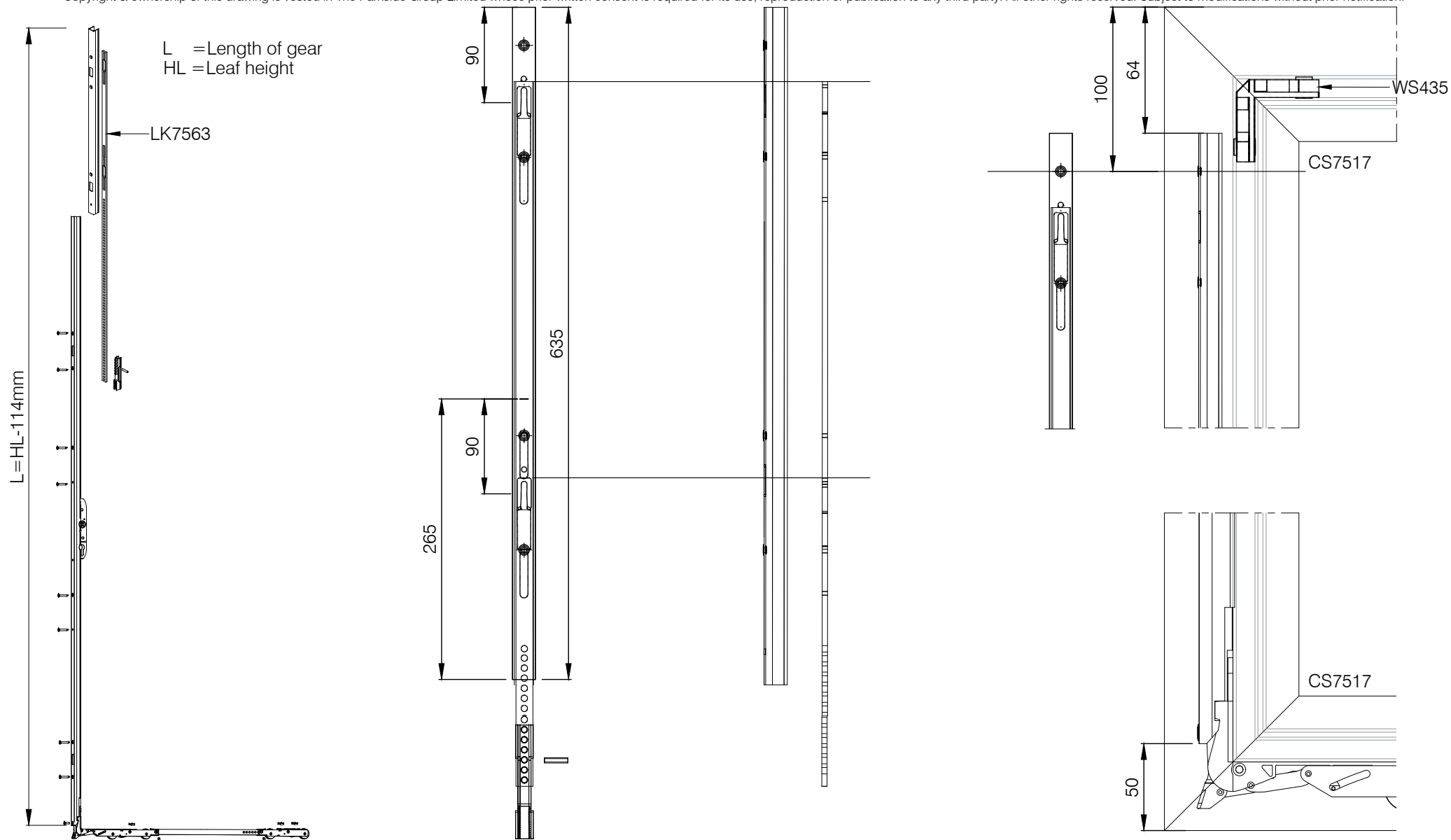


Hardware Detail
Active Leaf
Hardware Set Up

A4 Scale NTS

R1 - 04/12/2019

6.02



comar 7P.i LS+

HARDWARE

6



Active Leaf
Locking Gear Extension
LK7563

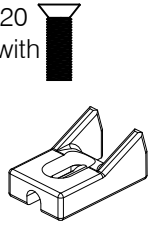
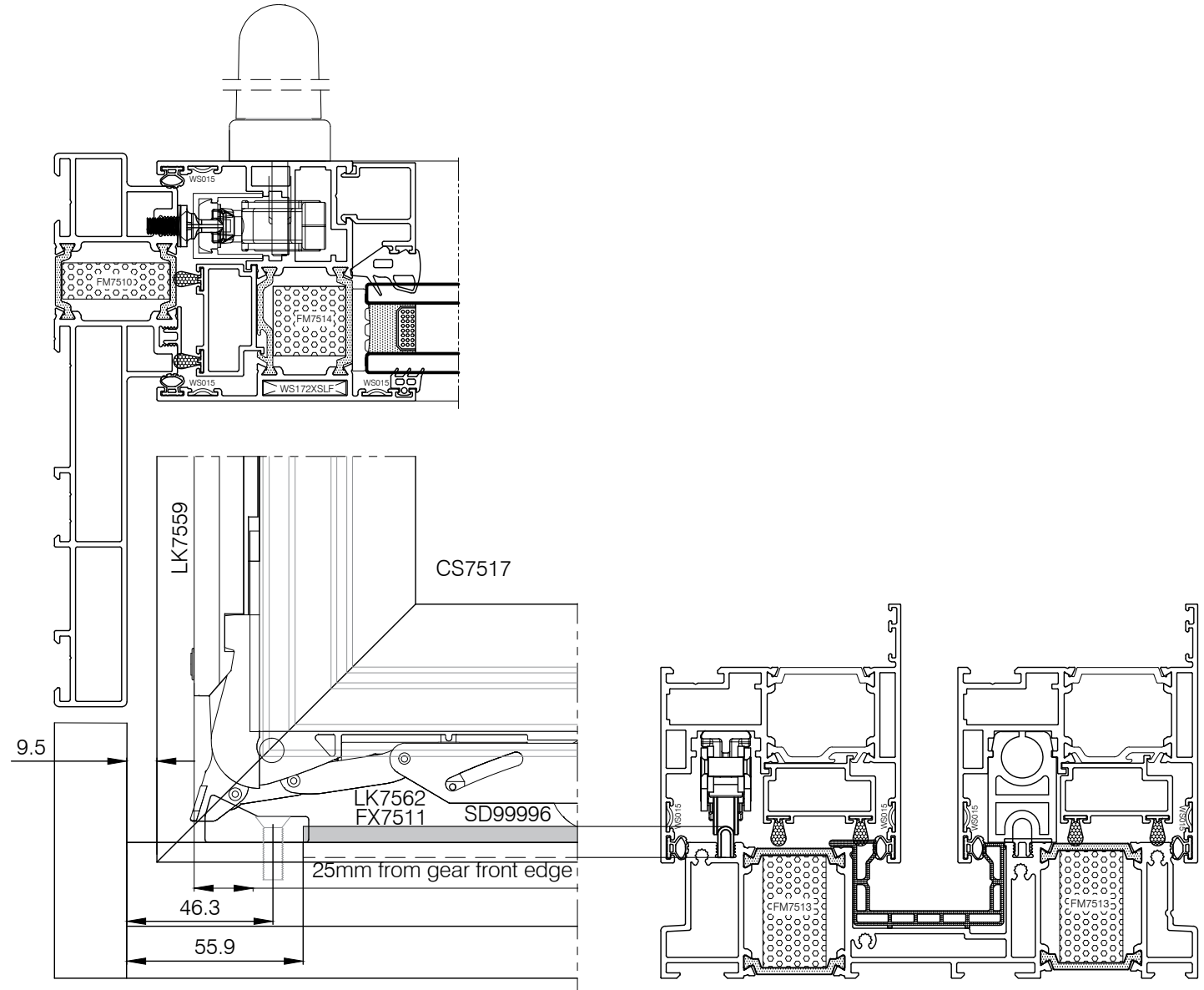
A4 Scale NTS

R0 - 31/10/2017

6.03

CSK M6 x 20
(Supplied with
LK7562)

LK7562



comar 7P.iLS+

HARDWARE

6



Bottom Locking Point
for Active Leafs
Track Insert Cutting

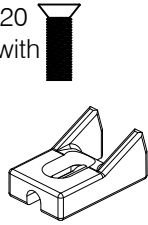
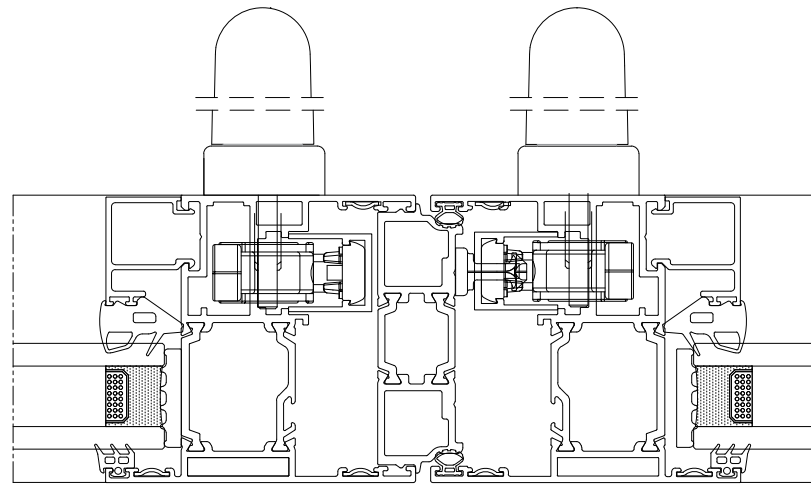
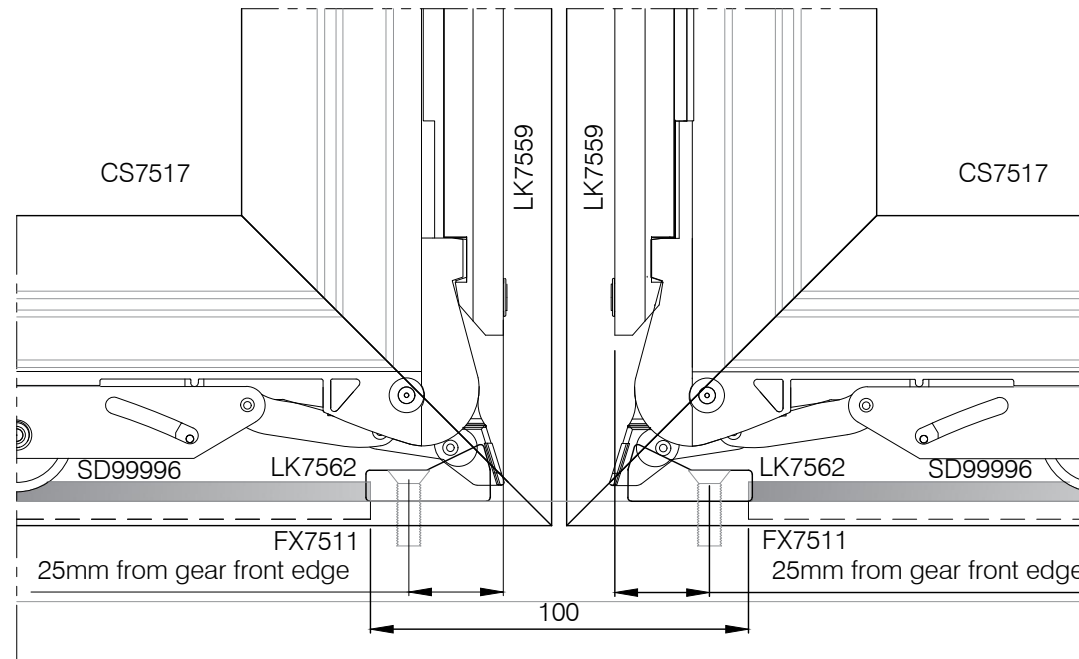
A4 Scale NTS

R0 - 31/10/2017

6.04

CSK M6 x 20
(Supplied with
LK7562)

LK7562



comar 7P.i LS+

HARDWARE

6



Bottom Locking Point
for Meeting Stile
Track Insert Cutting

A4 Scale NTS

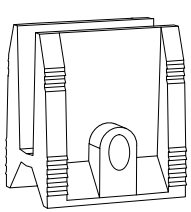
R0 - 31/10/2017

6.05

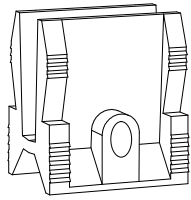
Note:

For wide sliding doors:

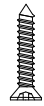
Rod guide is fitted into the bottom of the leaf, preventing rod twisting or bending.



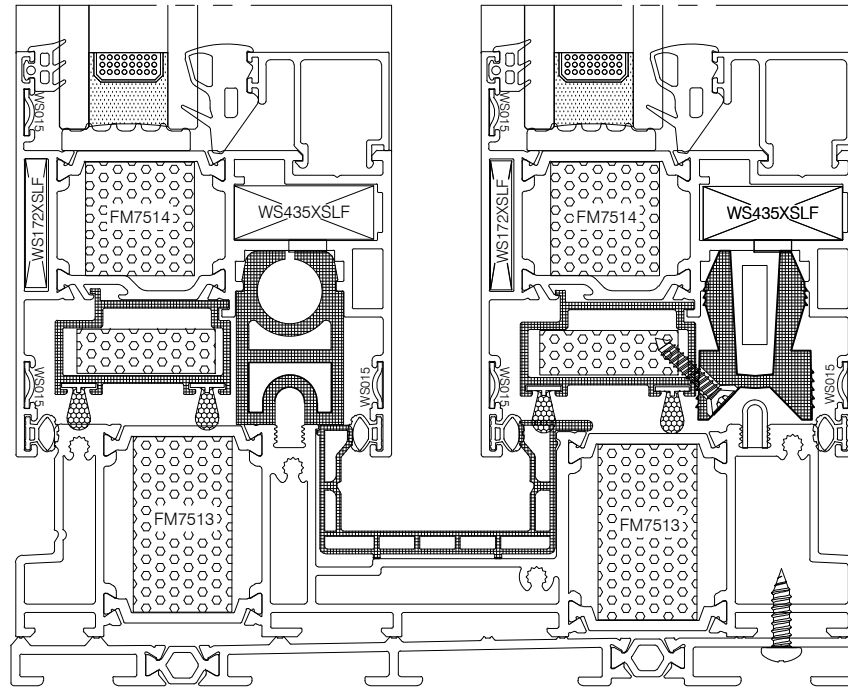
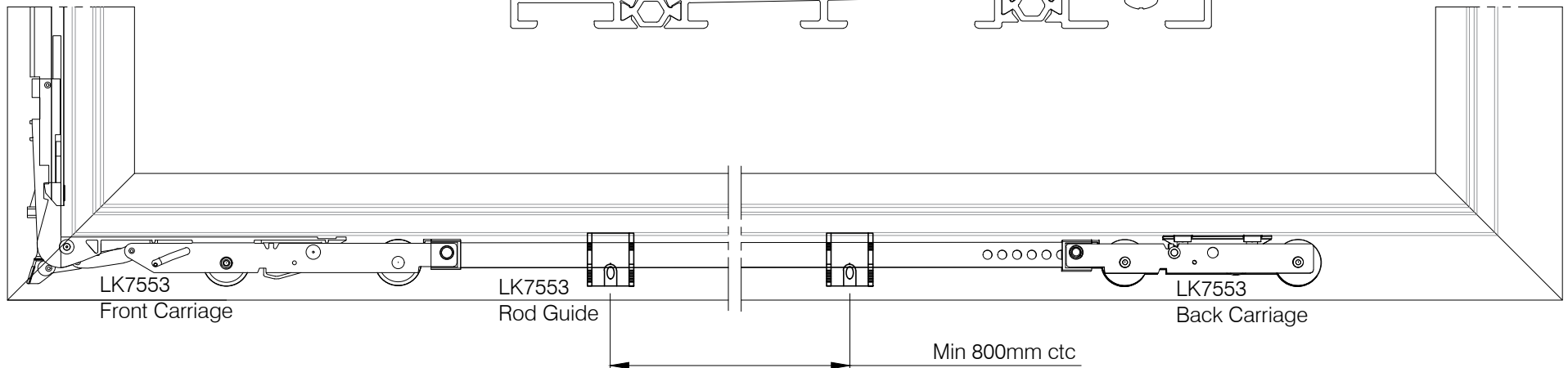
LK7567 For use
with LK7564



LK7553



XX3028
No 6x19



comar 7P.i LS+

HARDWARE

6

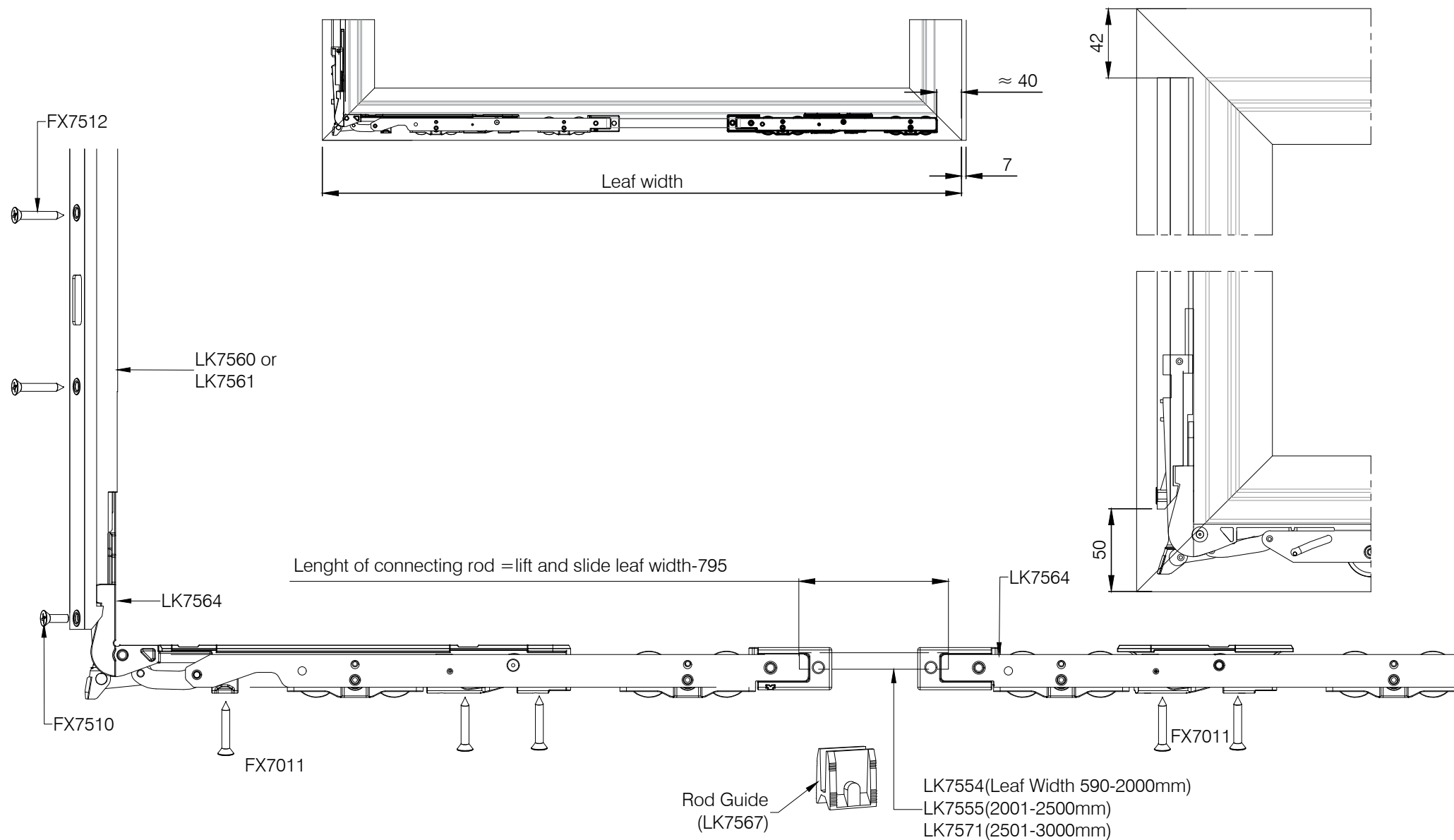


Rod Guide
LK7553-LK7567
for Movable DoorS

A4 Scale NTS

R1 - 03/12/2018

6.06



comar 7P.i LS+

HARDWARE

6

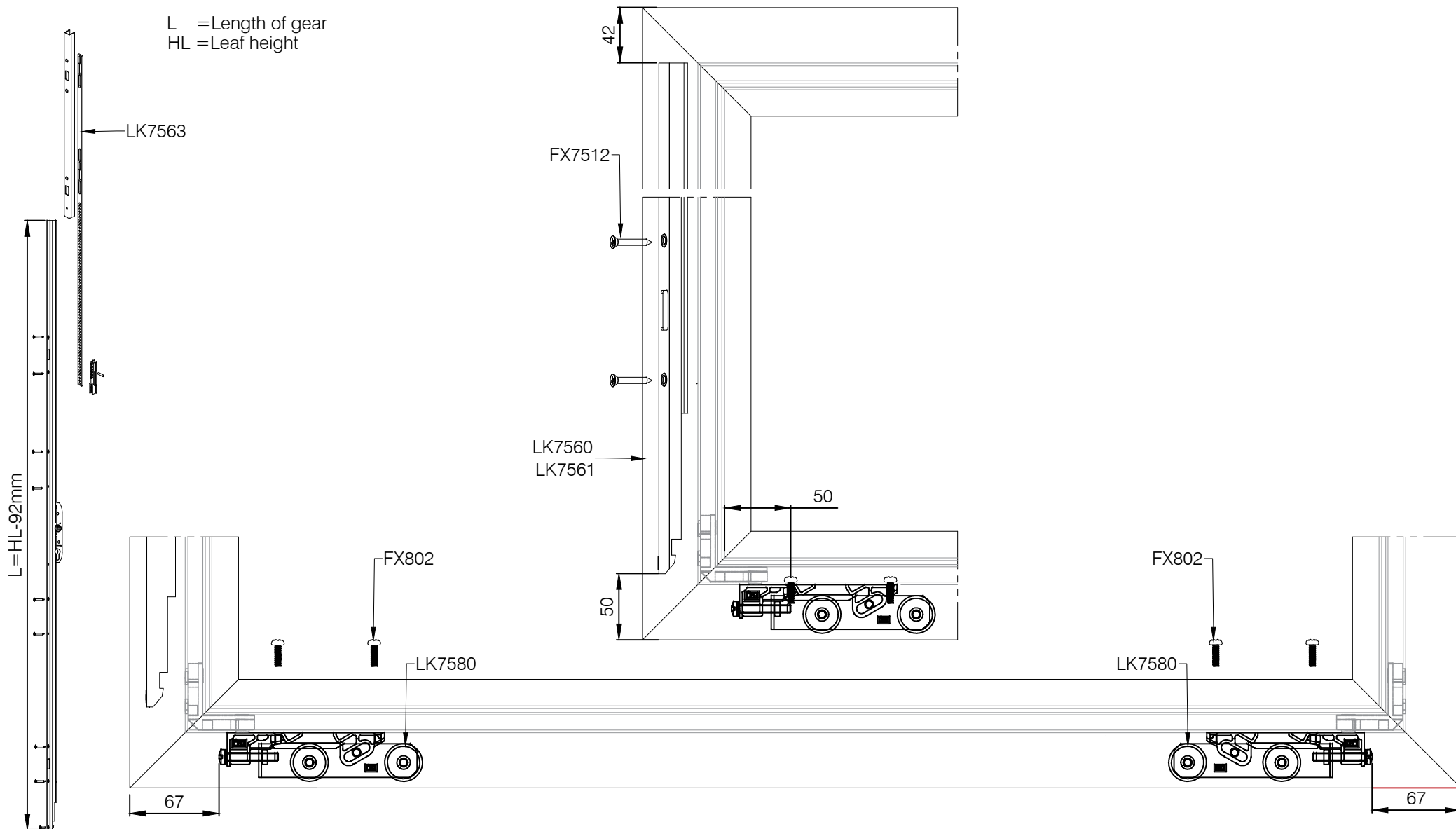


Hardware Detail
Active Leaf
Hardware Set Up(400kg)

A4 Scale NTS

R0 - 26/11/2018

6.07



comar 7P.i LS+

IEWS & SECTIONS

2



Active Leaf
In Line Straight Slider
LK7580 - 150kg

A4 Scale 1:4 - 1:16

R0 - 03/12/2018

6.08

INSTALLATION

comar 7P.iLS+

INSTALLATION

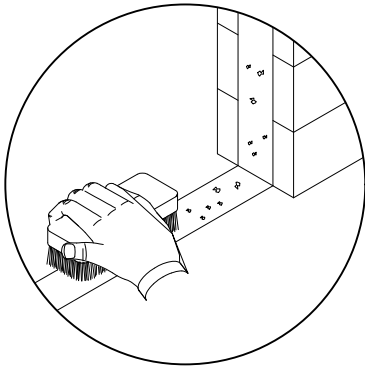
7



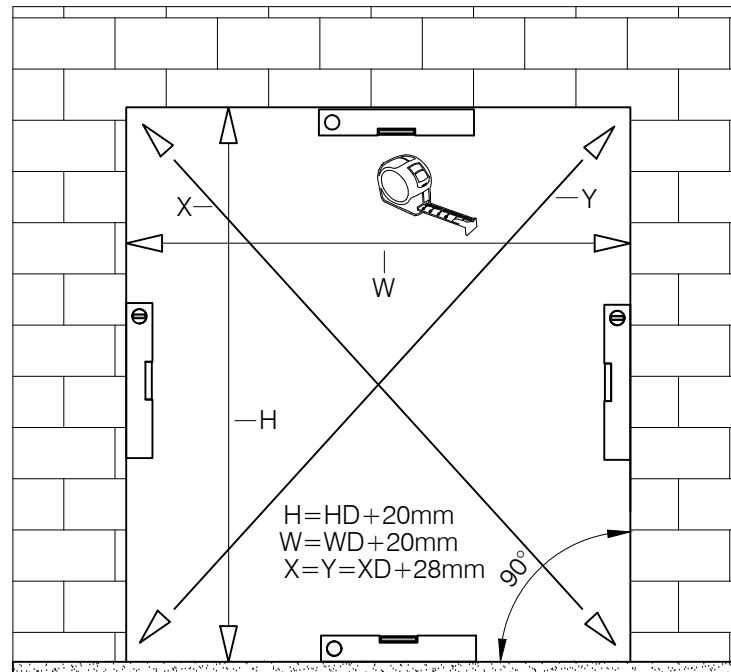
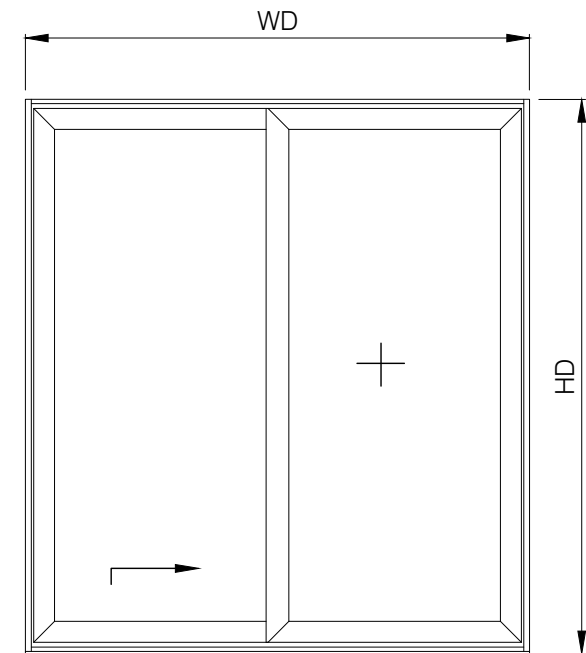
Installation

R0 - 11/10/2017

7.00



Make sure that the floor is clean from dust and other materials. Ensure floor is level and able to take the imposed dead load of the door installation.



comar 7P.iLS+

INSTALLATION DETAILS

7



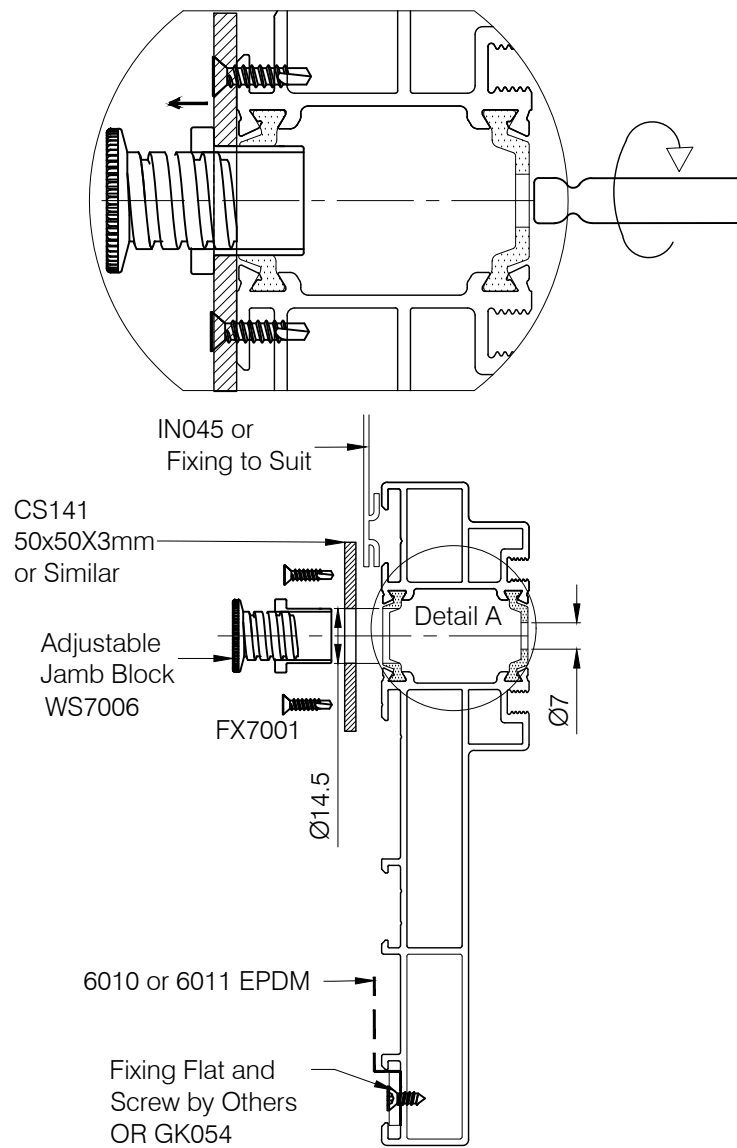
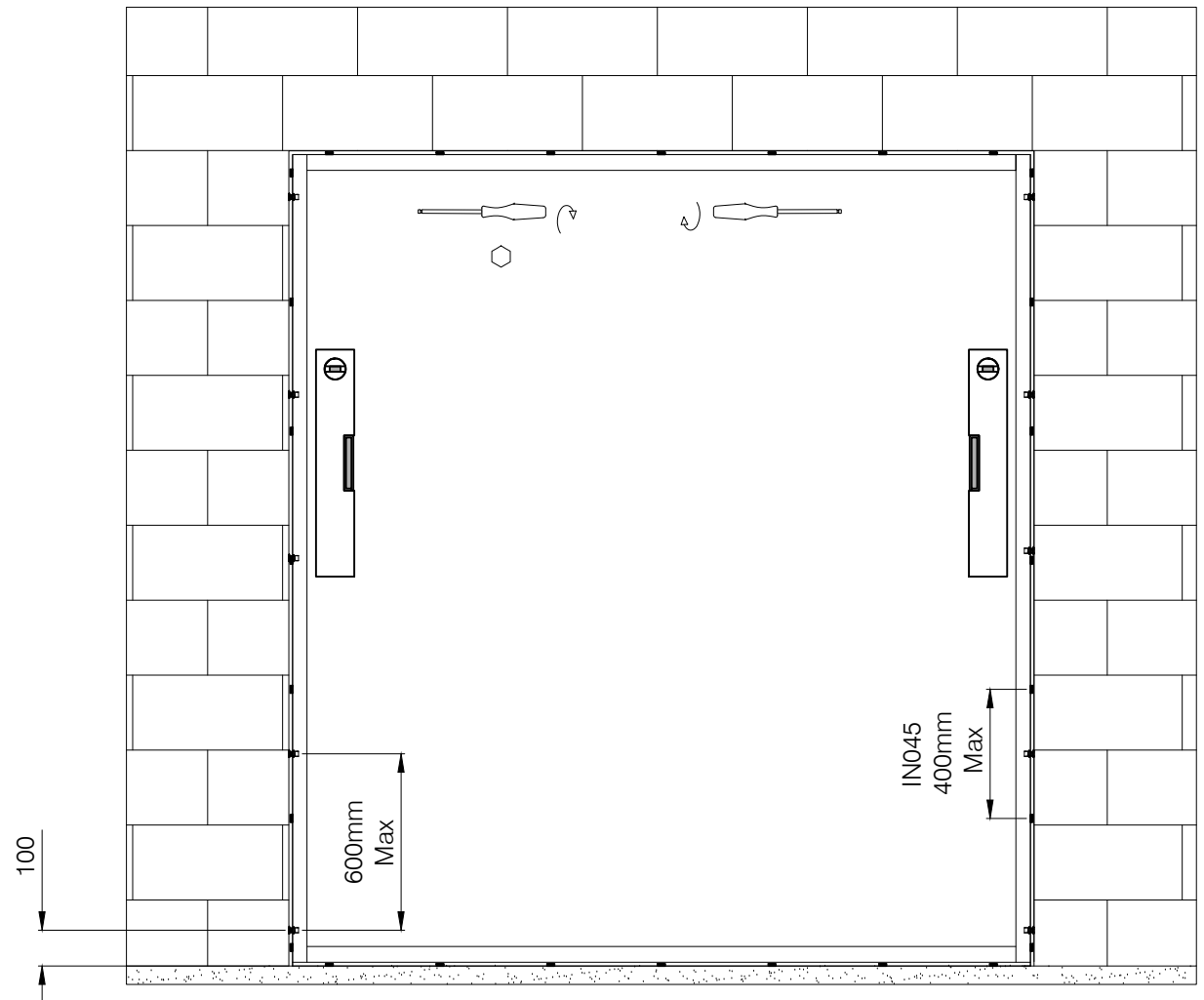
Structure Preparation
And Opening Check

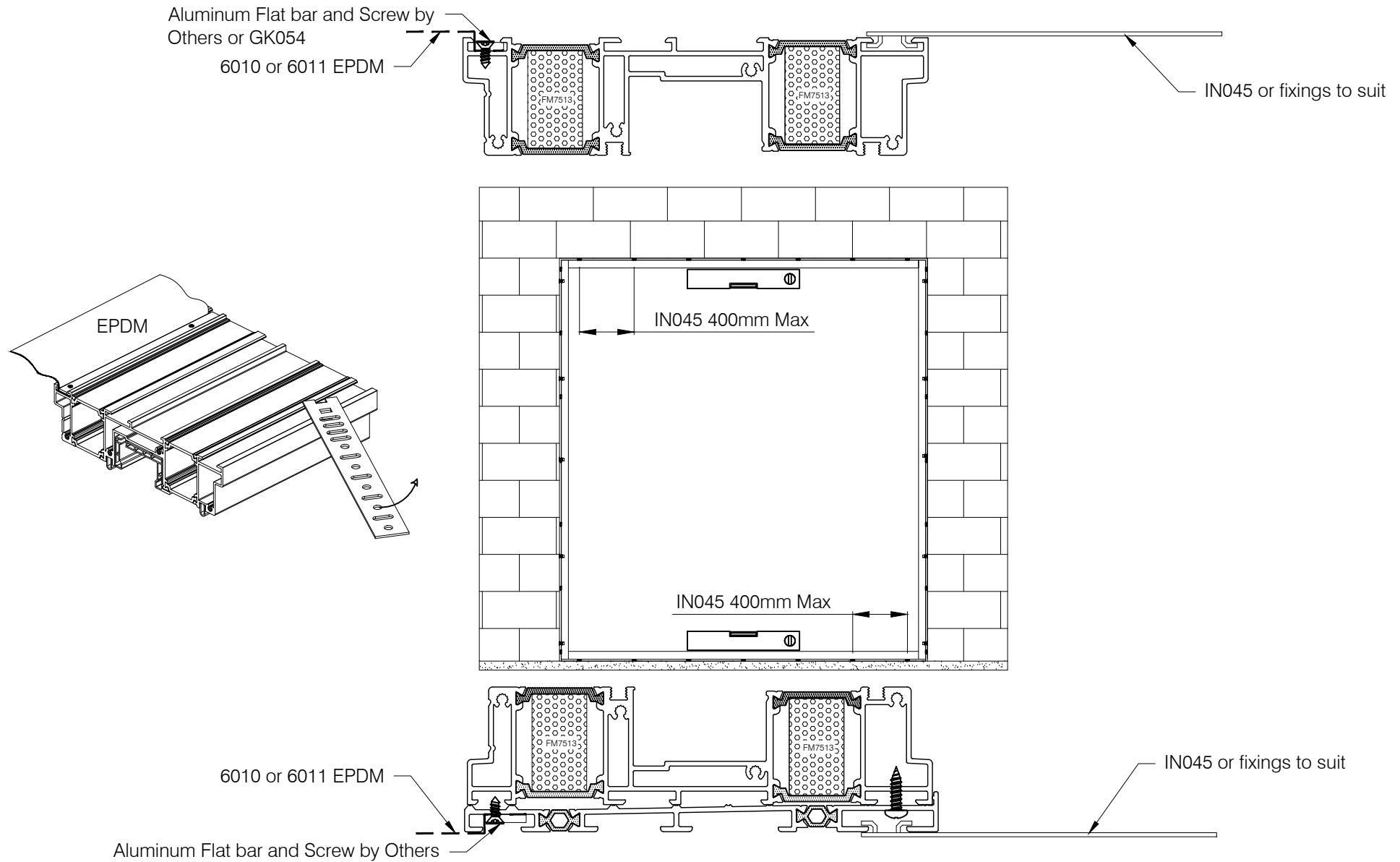
A4 Scale 1:30

R0 - 31/10/2017

7.01

Detail A





comar 7P.i LS+

INSTALLATION DETAILS

7



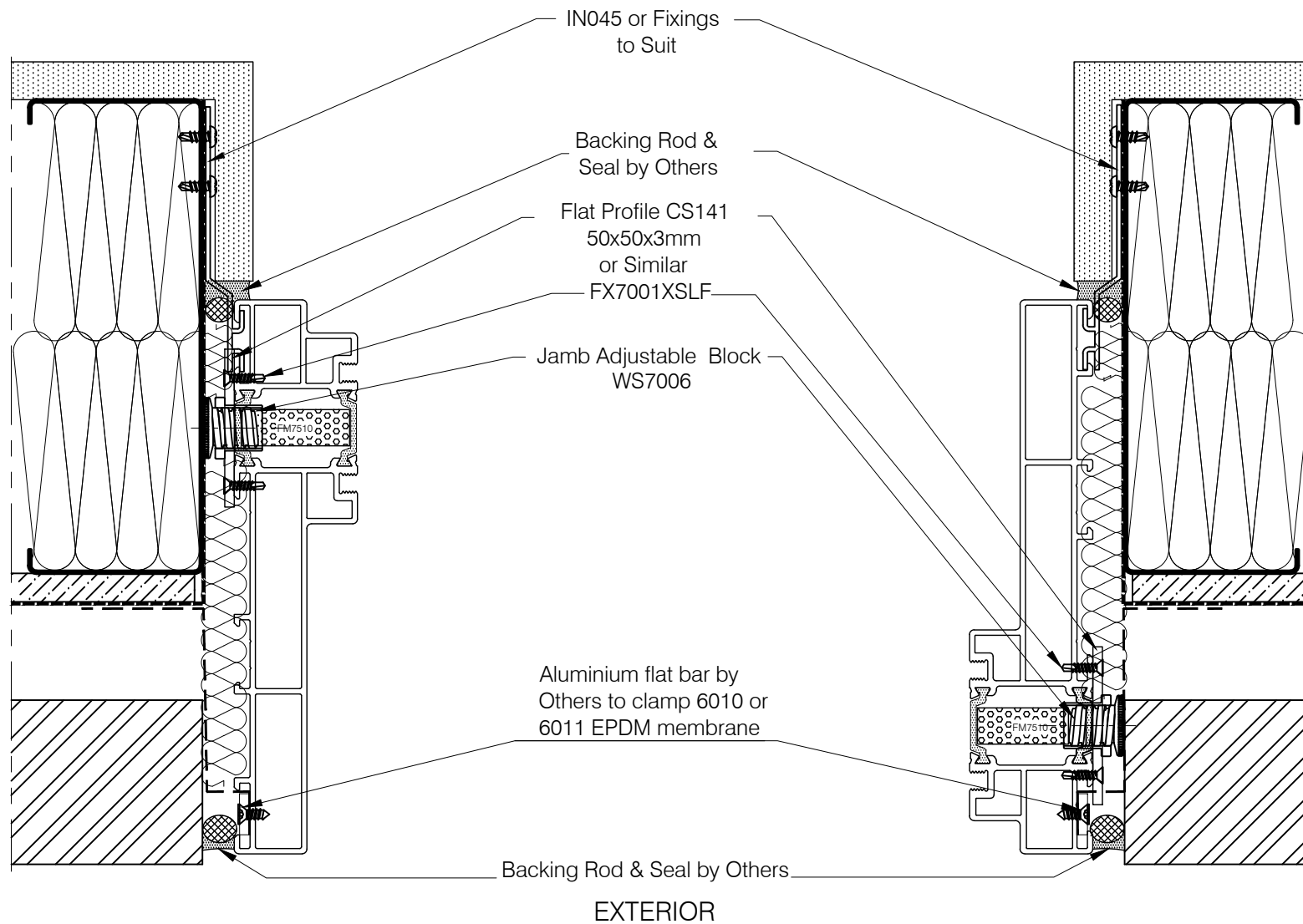
Double Track Door
Outer Frame Alignment
to Structure

A4 Scale 1:30

R0 - 31/10/2017

7.03

INTERIOR



comar 7P.iLS+

INSTALLATION DETAILS

7



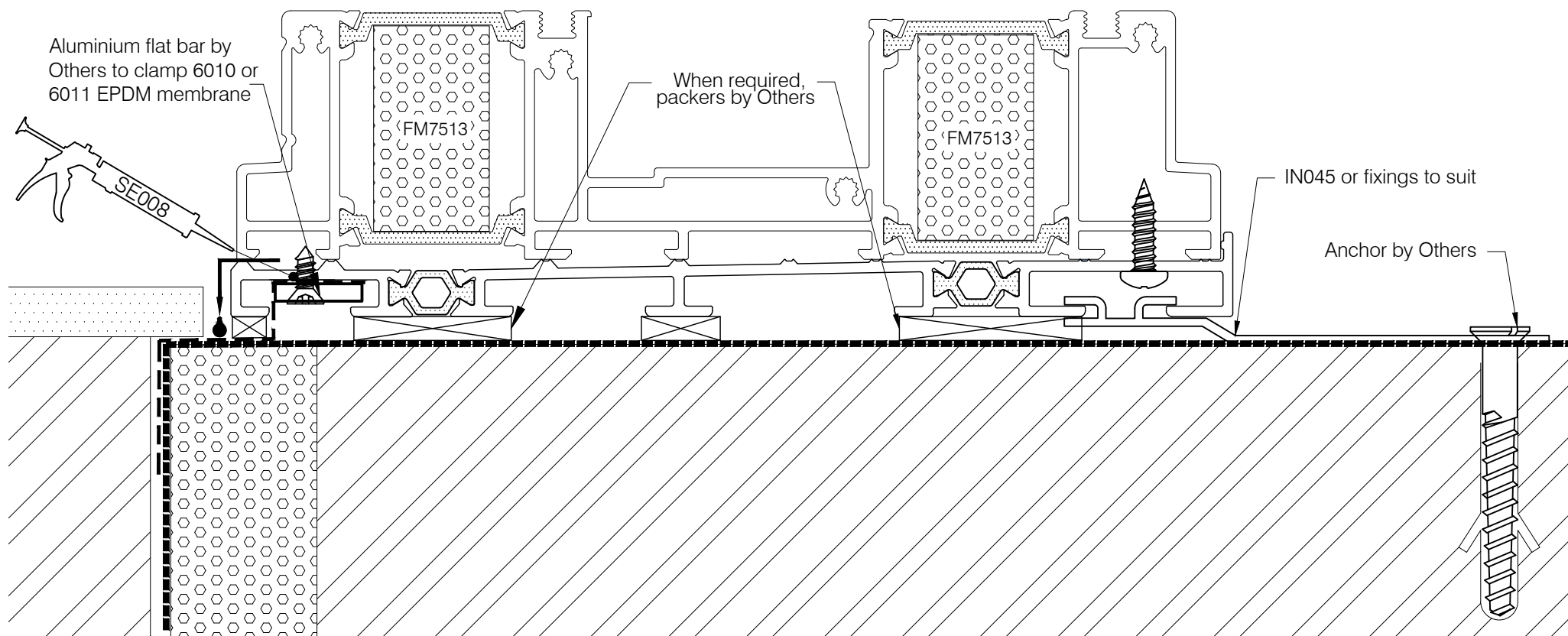
Double Track Door
Jamb and EPDM
Membrane Details

A4 Scale 1:2

R0 - 31/10/2017

7.04

SE008-Silicone seal
joints between aluminum
and screws.
Optional: bond EPDM
membrane to sill profile
without screws.



comar 7P.i LS+

INSTALLATION DETAILS

7

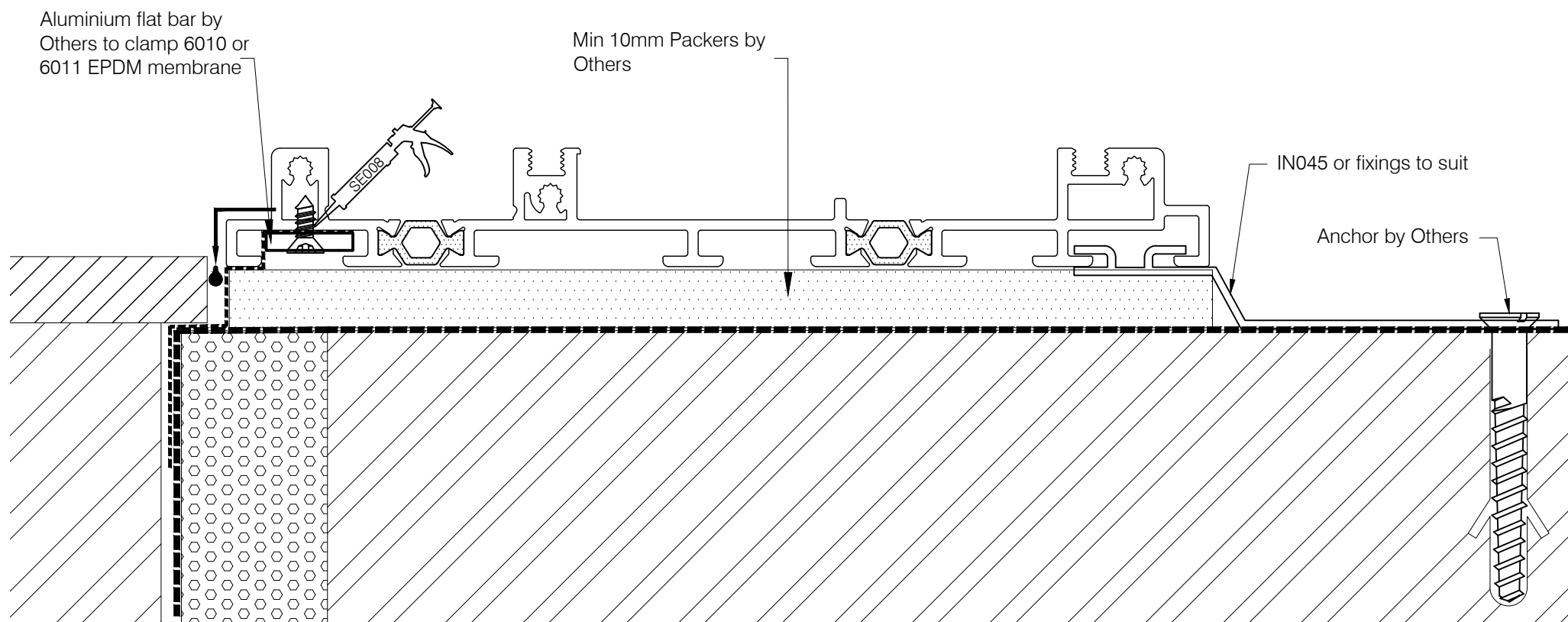


Double Track Door
Sill and EPDM
Membrane Details

A4 Scale 1:1

R0 - 31/10/2017

7.05



comar 7P.i LS+

INSTALLATION DETAILS

7

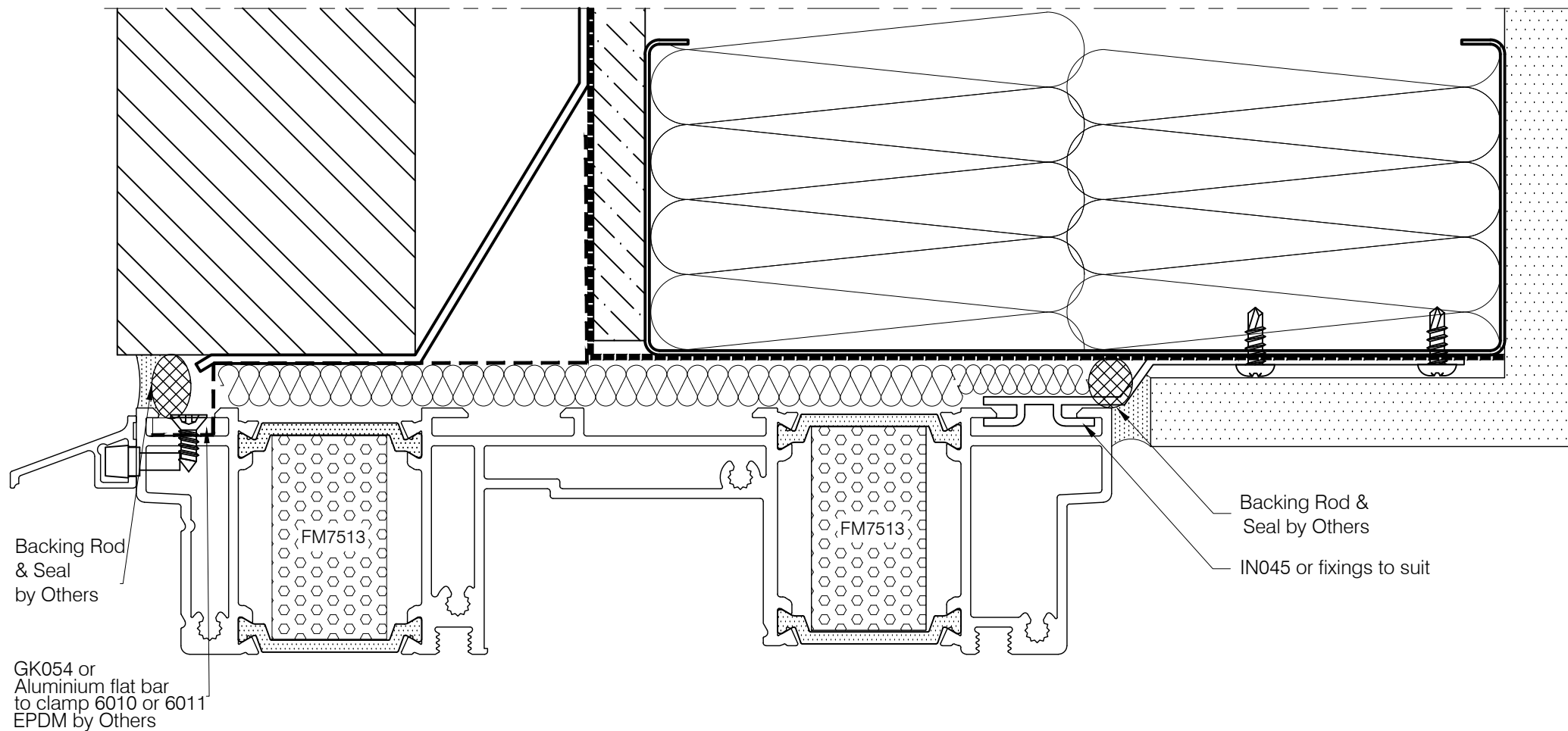


Double Track Door
Low Threshold Sill and
EPDM Membrane Details

A4 Scale 1:1

R0 - 31/10/2017

7.06



comar 7P.i LS+

INSTALLATION DETAILS

7

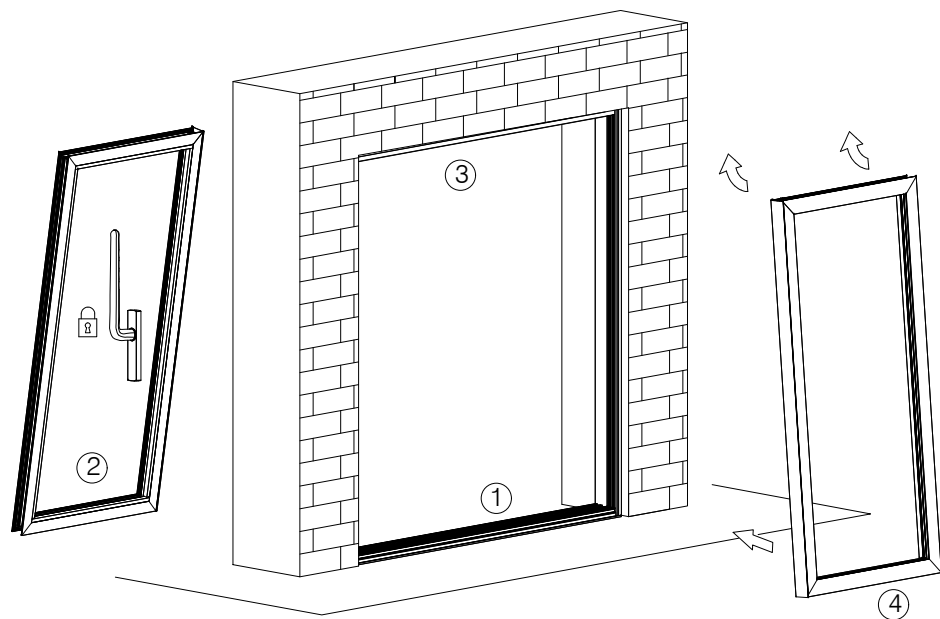
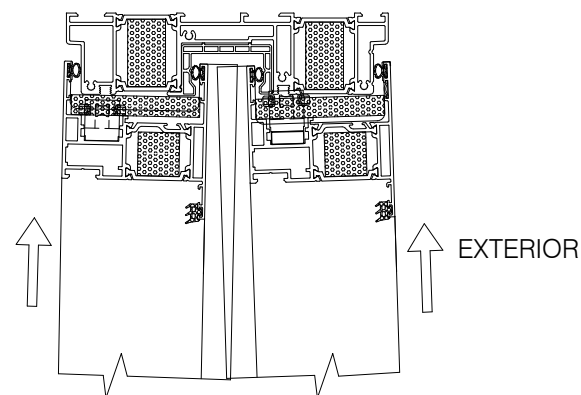
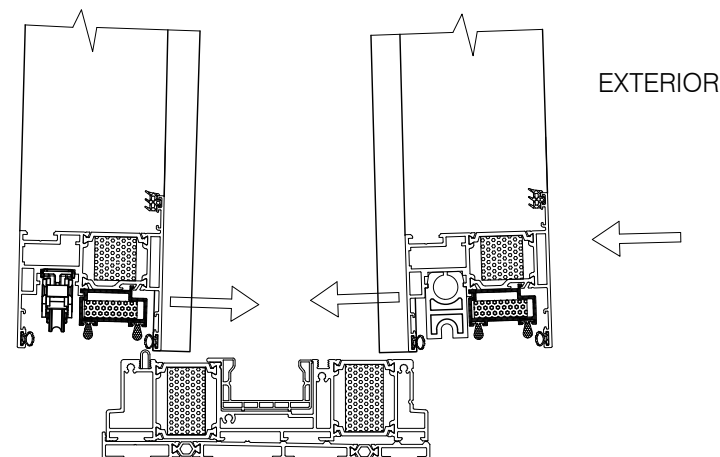
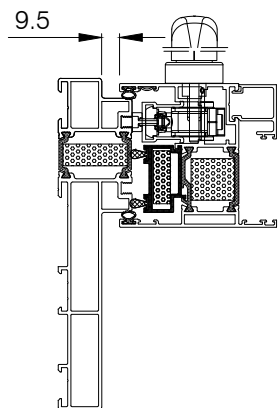


Double Track Door
Head and EPDM
Membrane Details

A4 Scale 1:1

R0 - 31/10/2017

7.07



EXTERIOR VIEW

- ① Double Track Frame: Install and fix the frame into the level and prepared opening.
- ② Anti Lift -WS75102 :Install the anti lift at the outer edge of the track at the top with the provided screws.
- ③ Active Leaf: Lift the top of the leaf into the outer channel at the head of the frame, then move the bottom of the leaf to rest in the corresponding outer channel at the threshold of the frame.
- ④ Fixed Leaf: insert the support block at the side and bottom of the fixed leaf, then Install at the top, sides and bottom with the provided screws.

comar 7P.iLS+

INSTALLATION DETAILS

7

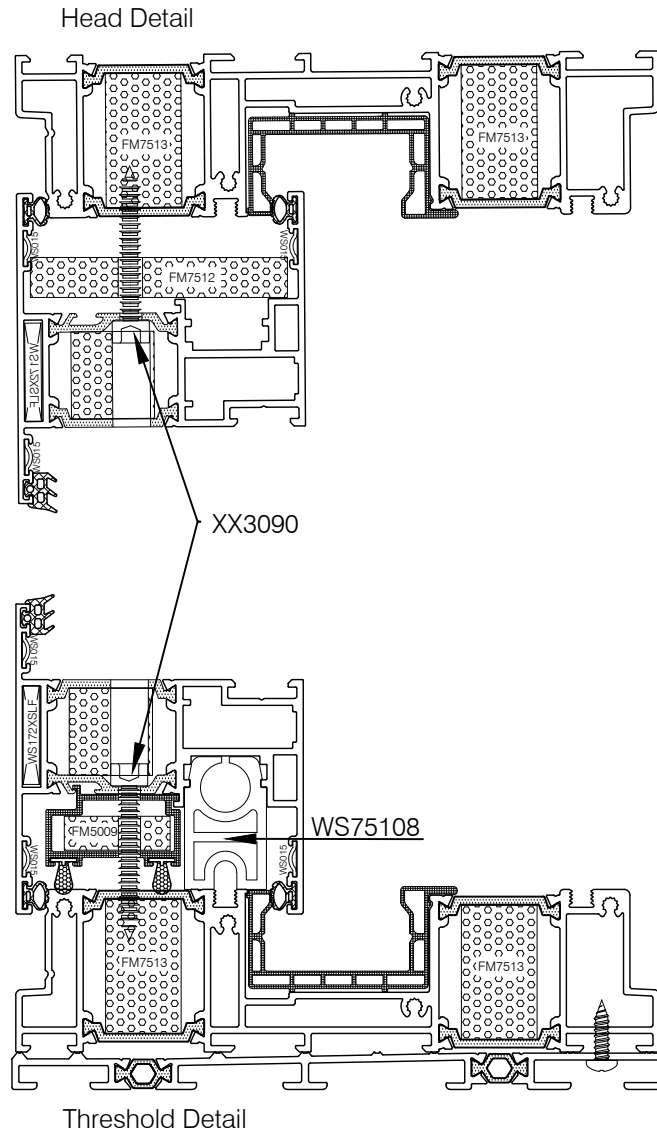
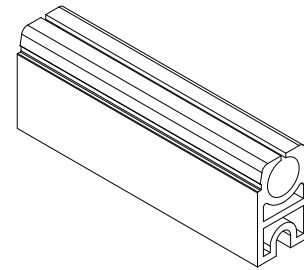
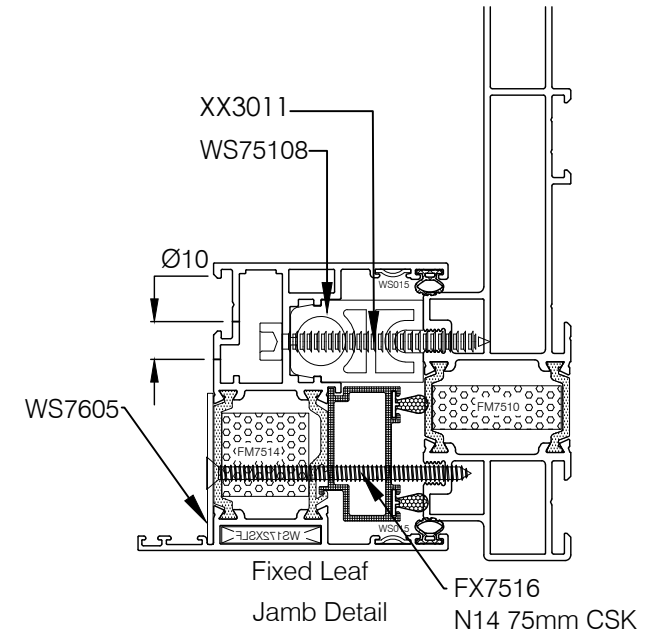
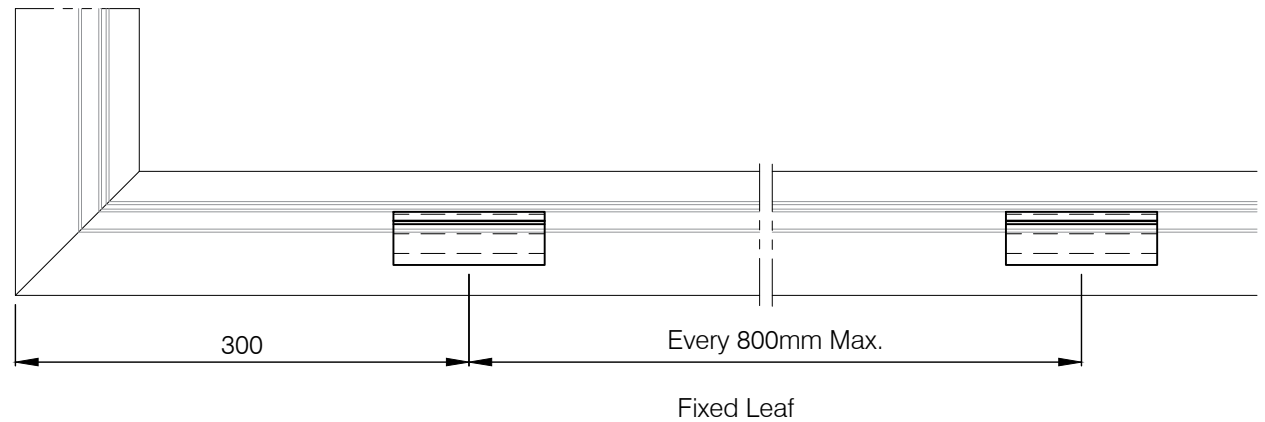


Double Track Door
Installation Instruction

A4 Scale 1:30

R0 - 31/10/2017

7.08



comar 7P.iLS+

INSTALLATION DETAILS

7

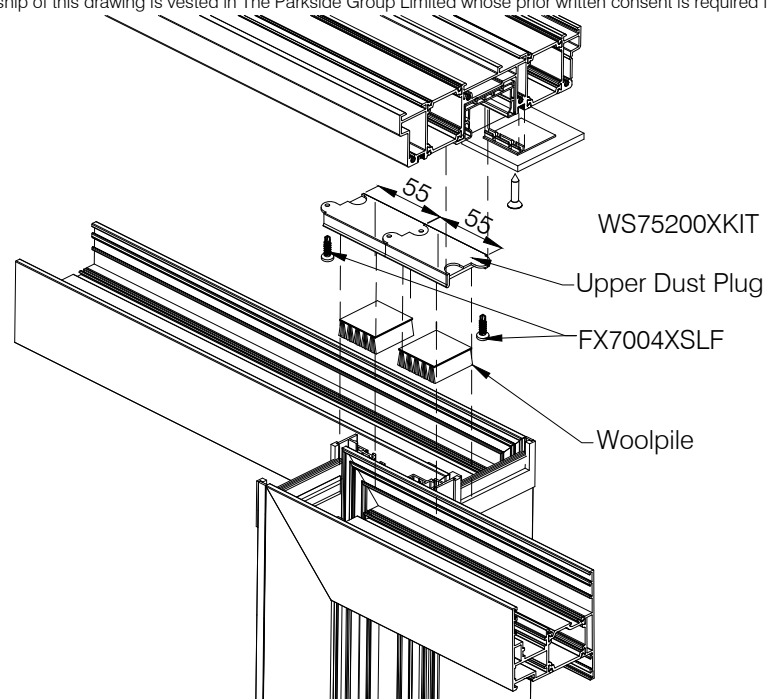
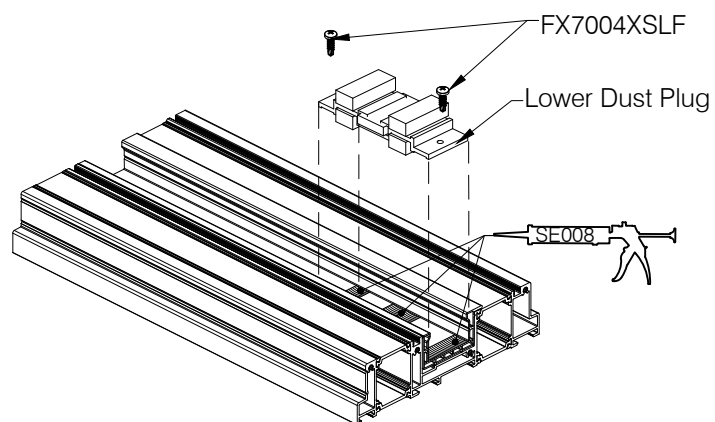
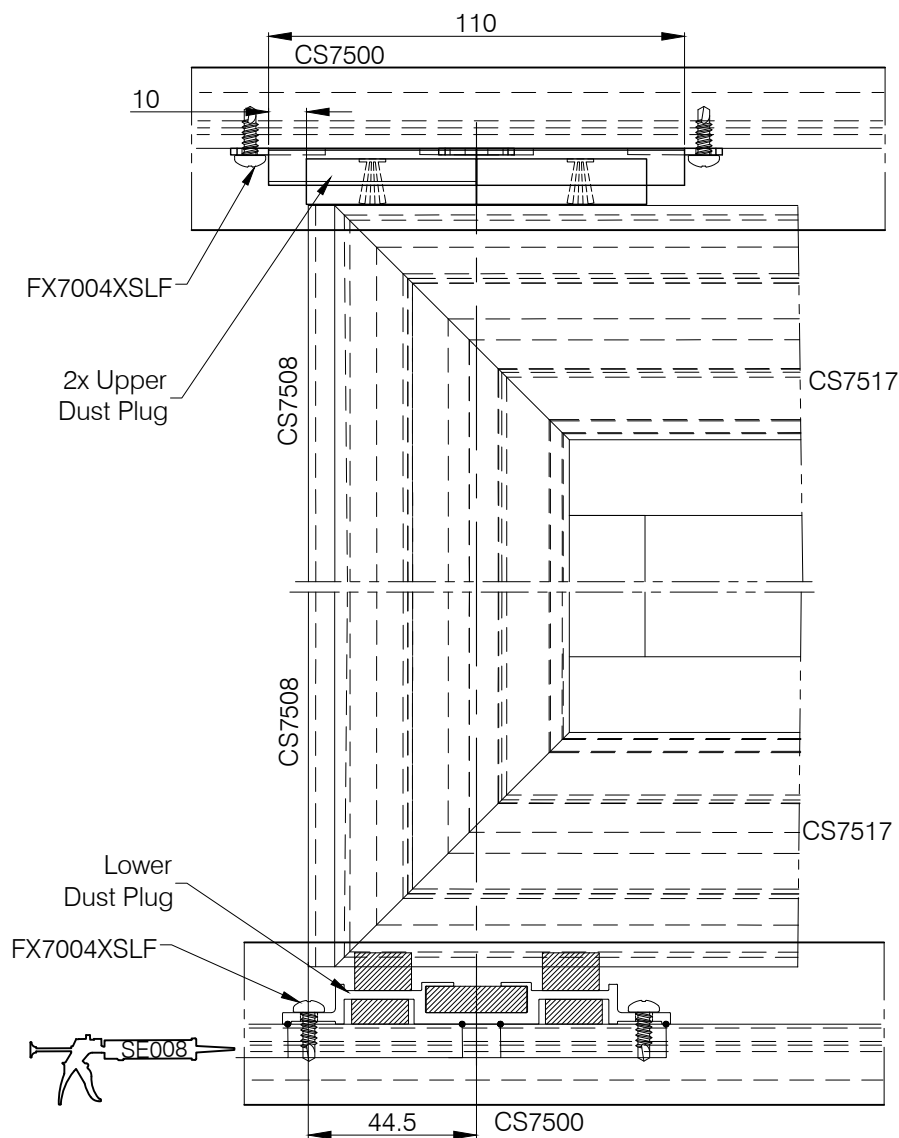


Double Track Door
Fixed Leaf Detail
Support Block

A4 Scale NTS

R1 - 04/12/2019

7.09



comar 7P.iLS+

INSTALLATION DETAILS

7

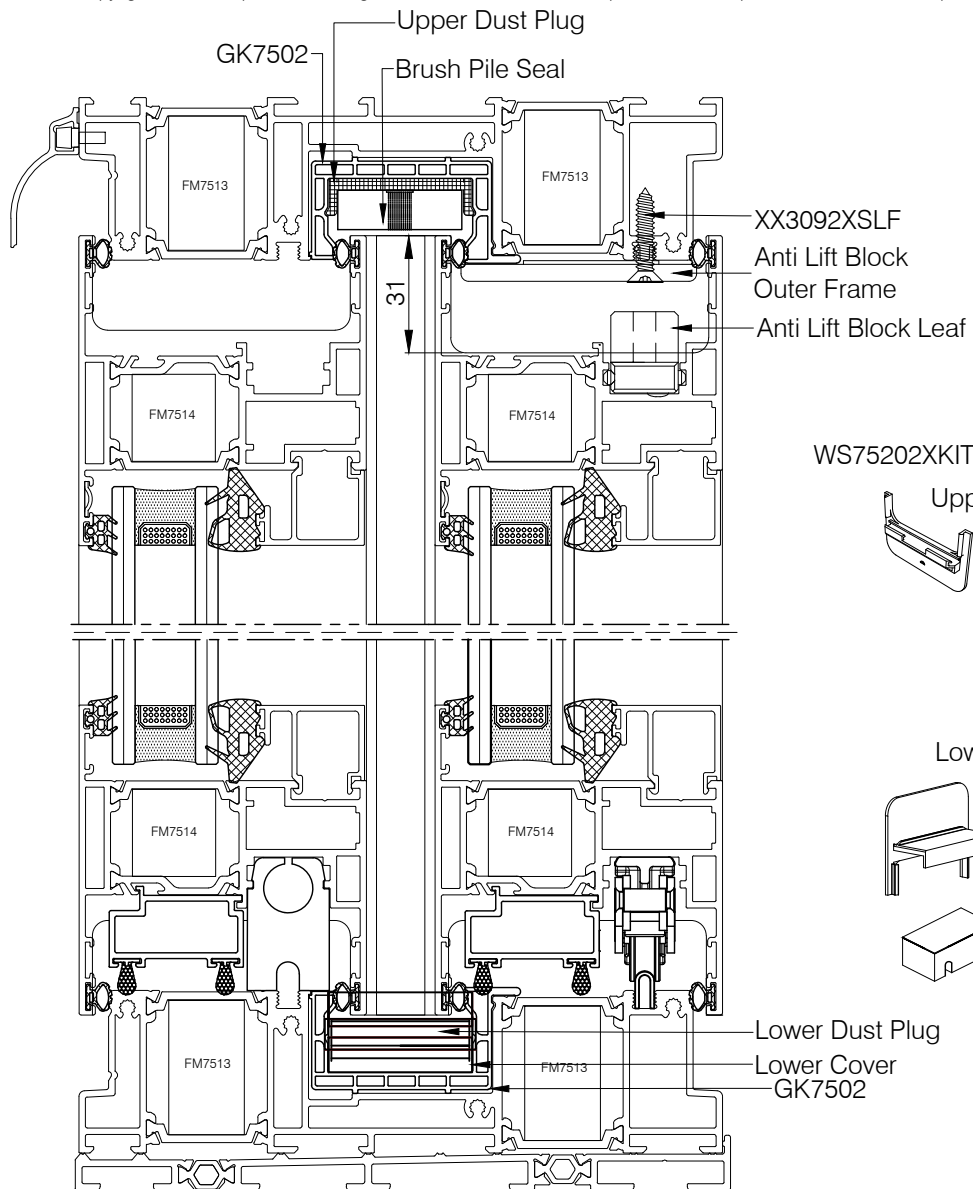


Double Track Door
Standard Interlock
Dust Plug with Brush Pile Seal

A4 Scale 1:5

R1 - 04/12/2019

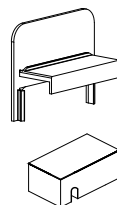
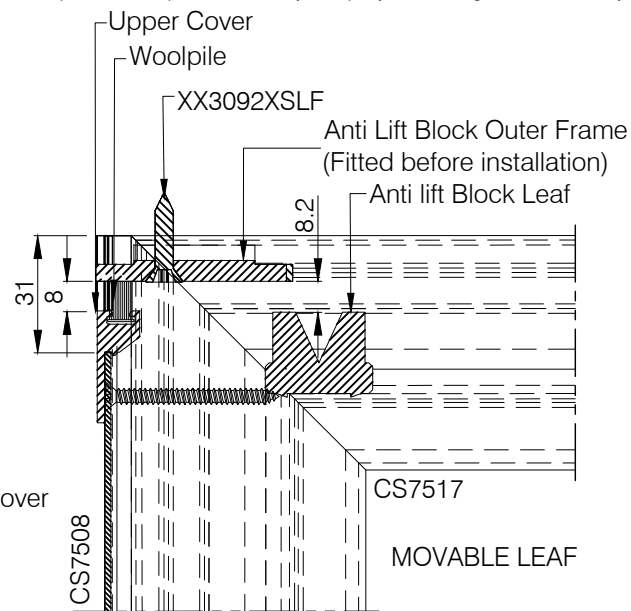
7.10



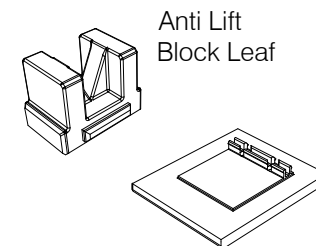
WS75202XKIT



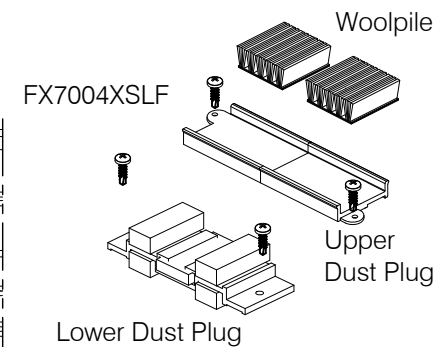
Lower Cover



WS75202XKIT



WS75200XKIT



comar 7P.iLS+

INSTALLATION DETAILS

7

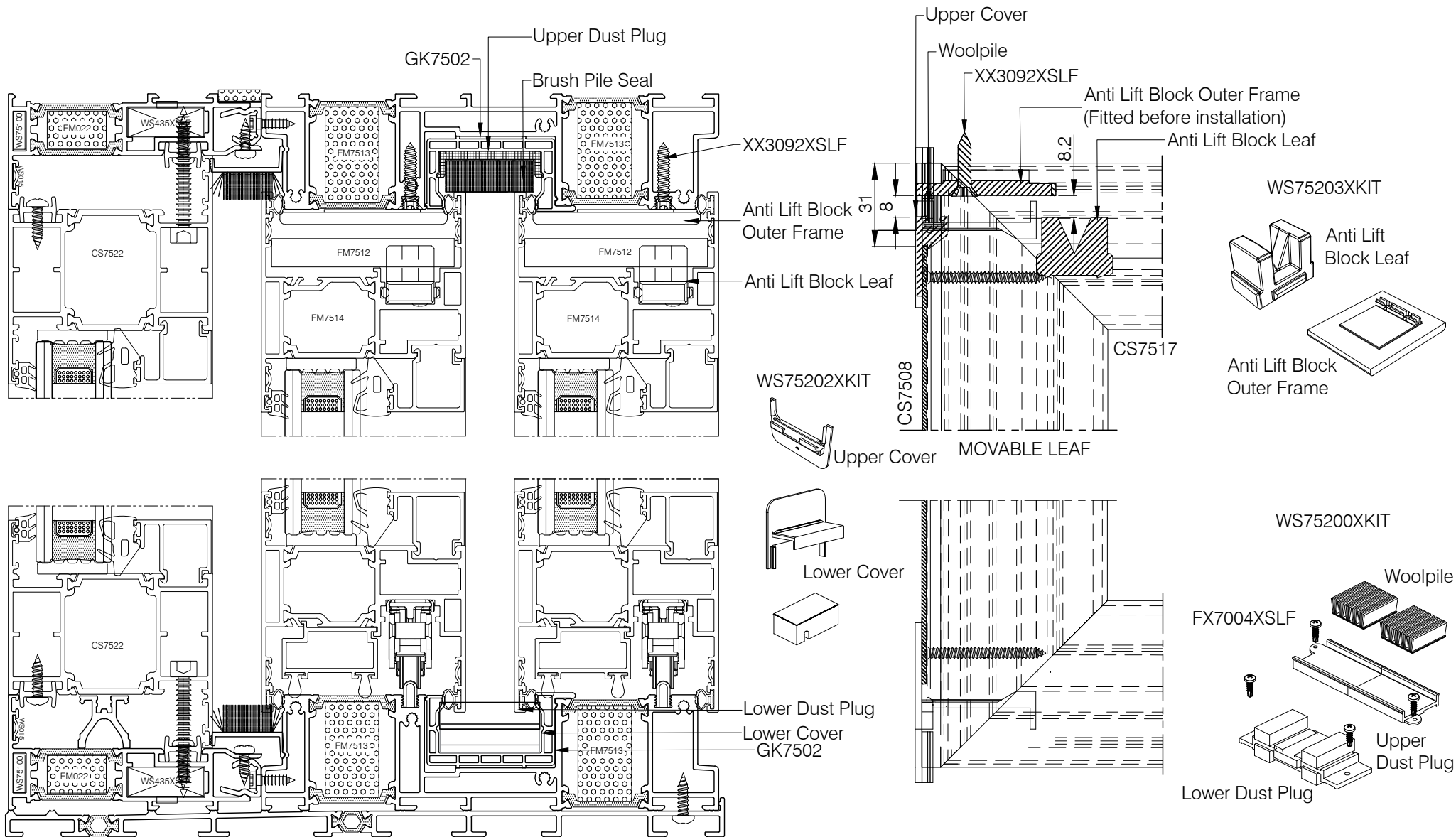


Double Track Door
Anti Lift & Dust Plug
Standard Interlock

A4 Scale 1:2

R1 - 04/12/2019

7.11



comar 7P.iLS+

INSTALLATION DETAILS

7

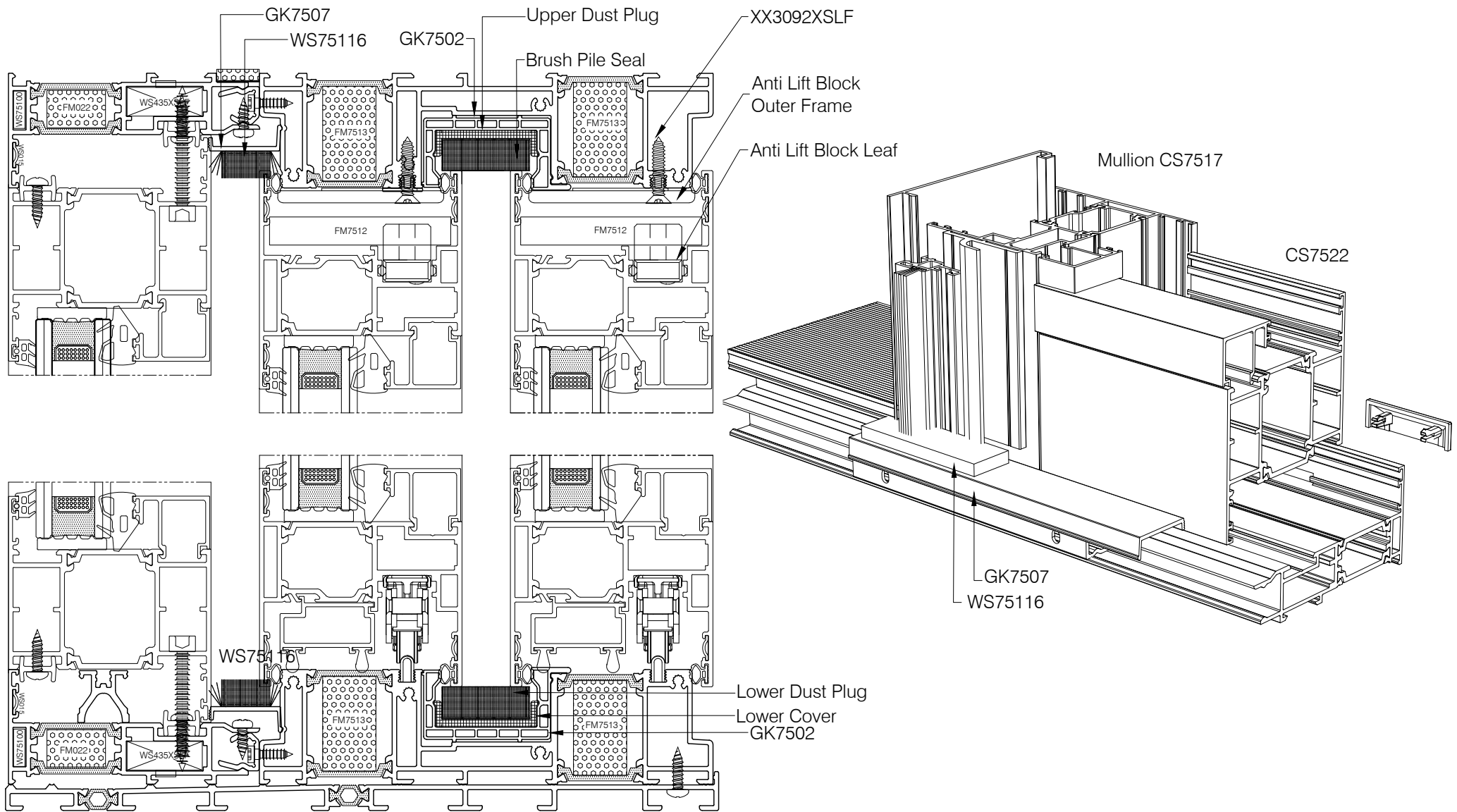
comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Triple Track Door
Anti Lift & Dust Plug
Standard Interlock

A4 Scale 1:2

R0 - 04/12/2019

7.11.1



comar 7P.i LS+

INSTALLATION DETAILS

7

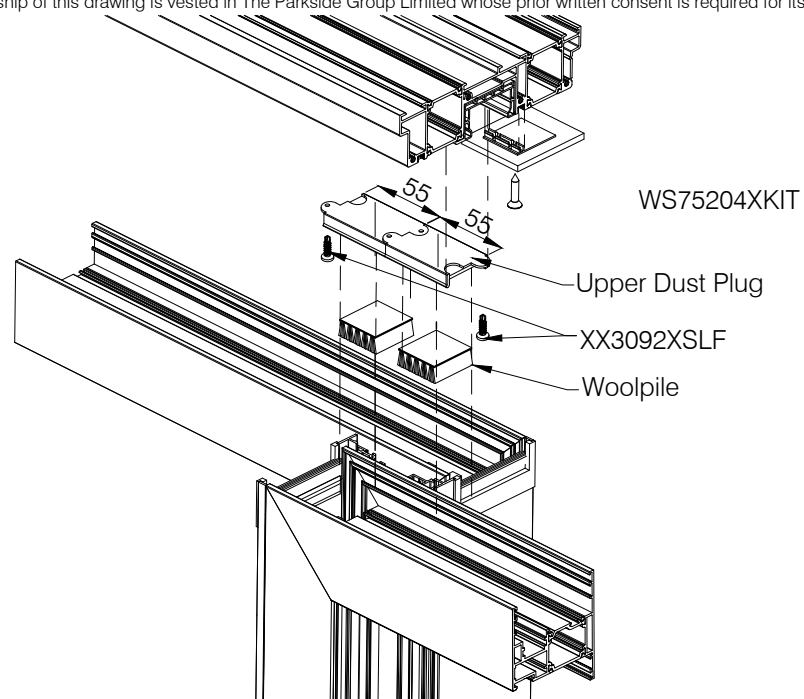
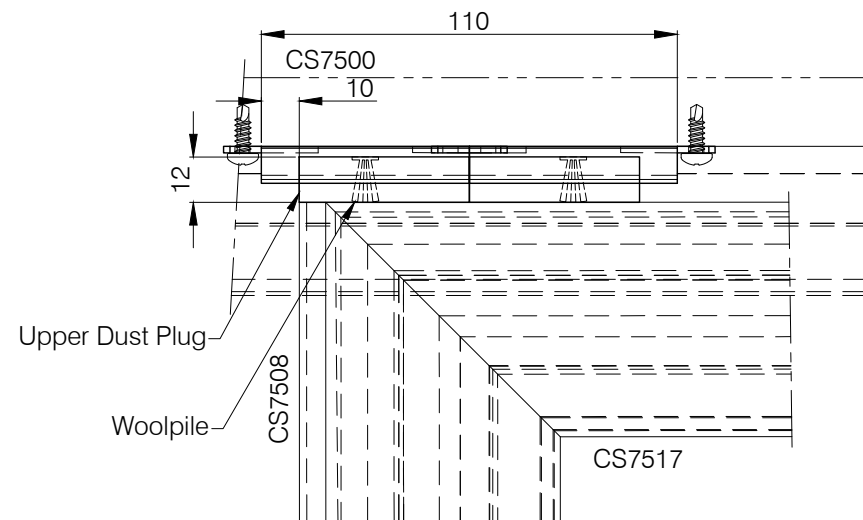
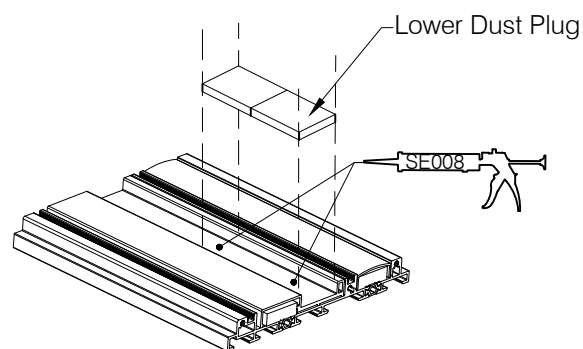
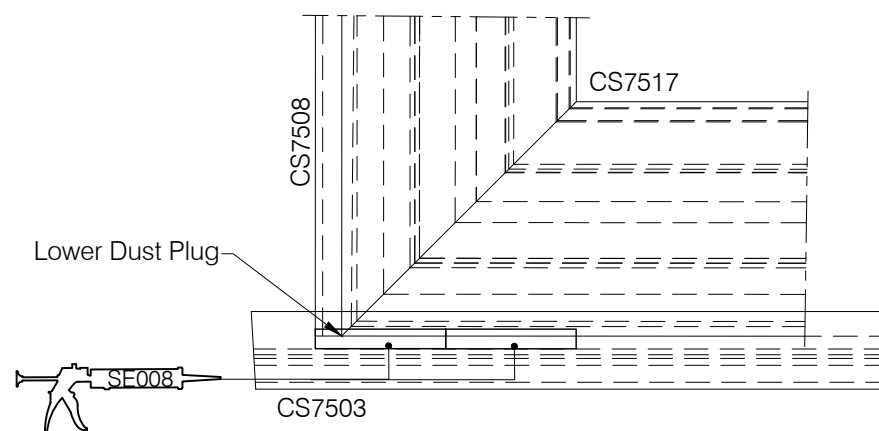


Triple Track Door
Anti Lift & Dust Plug
Standard Interlock

A4 Scale 1:2

R0 - 04/12/2019

7.11.2



comar 7P.iLS+

INSTALLATION DETAILS

7

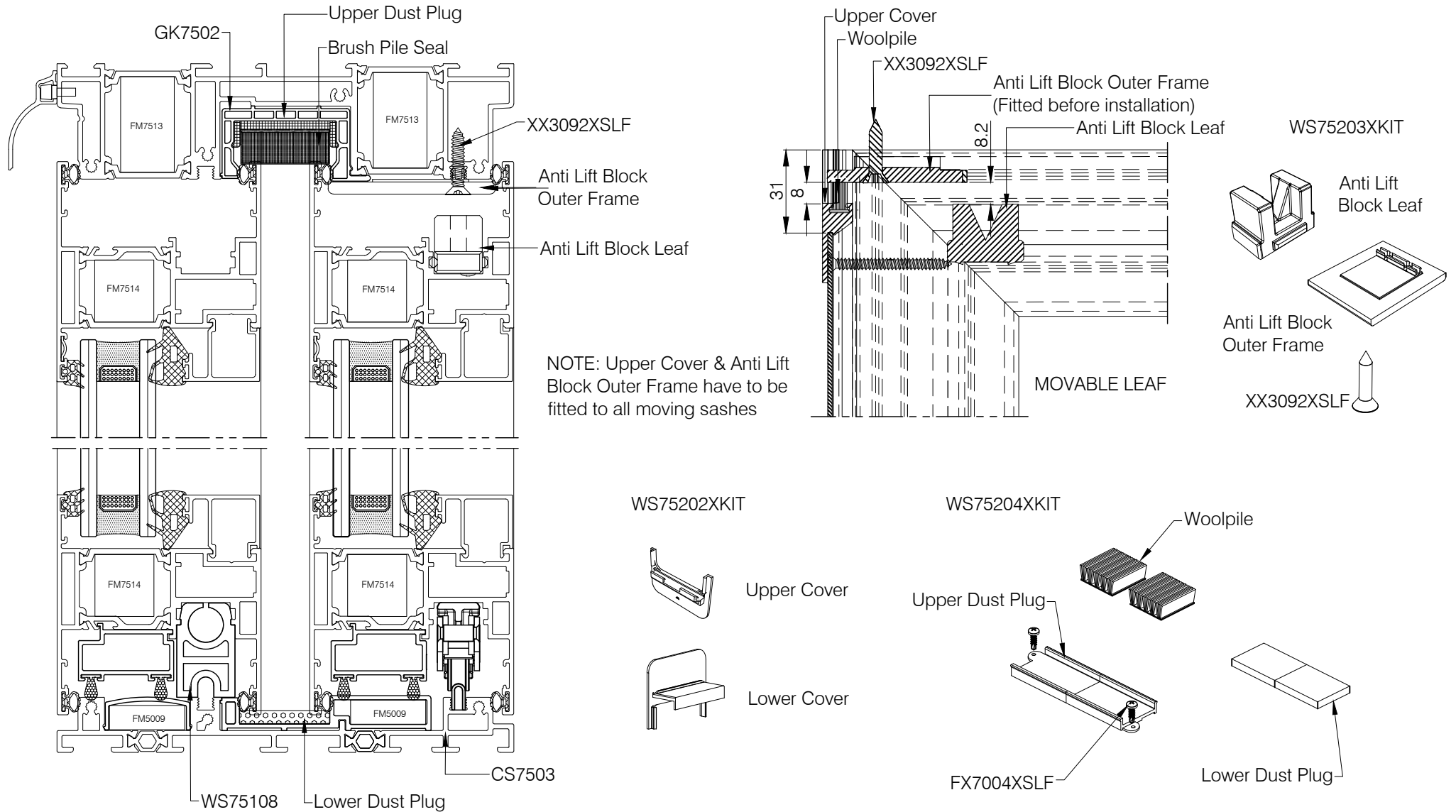


Double Track Door Low Threshold
Standard Interlock
Dust Plug with Brush Pile Seal

A4 Scale 1:5

R1 - 04/12/2019

7.12



comar 7P.i LS+

INSTALATION DETAILS

7

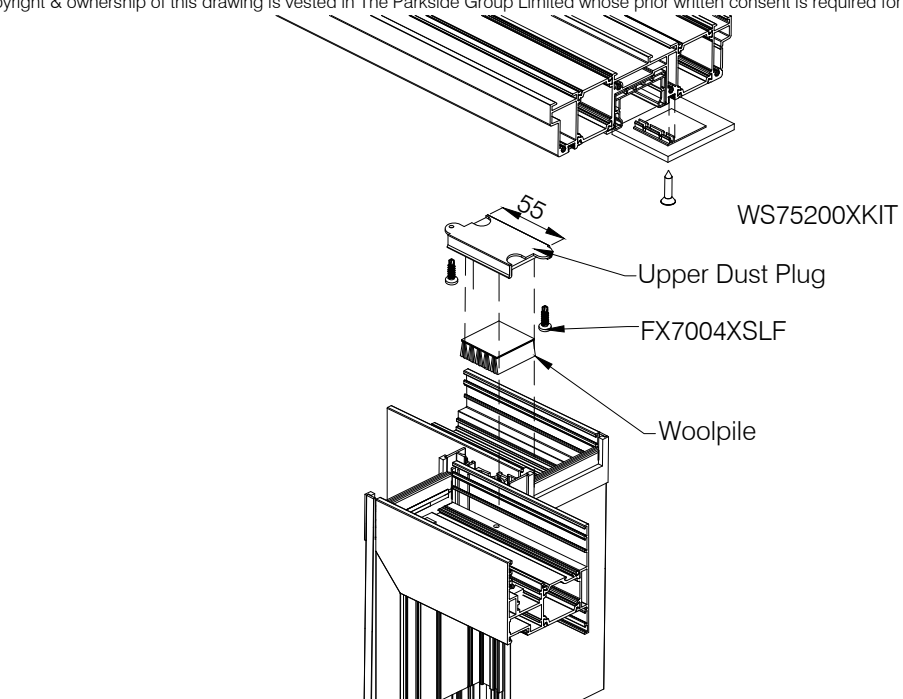
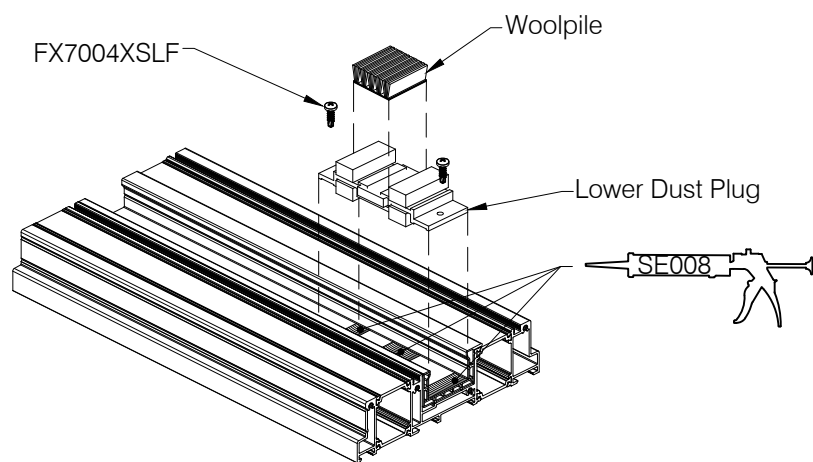
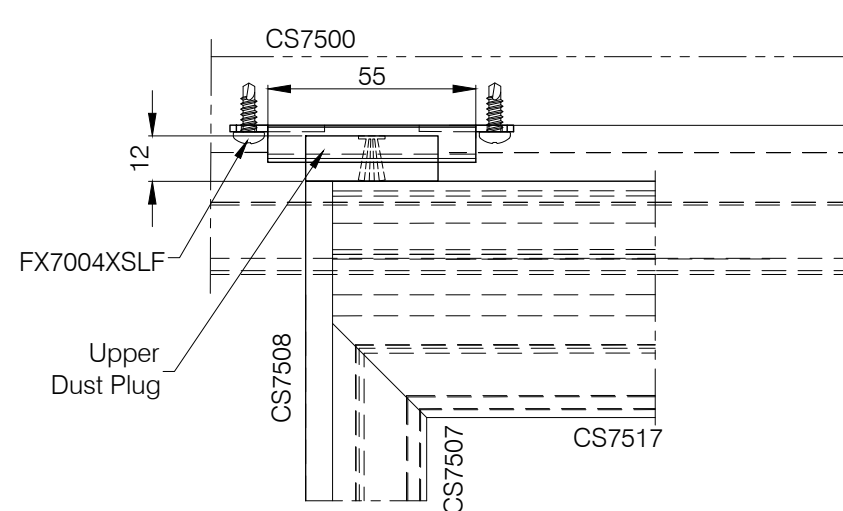
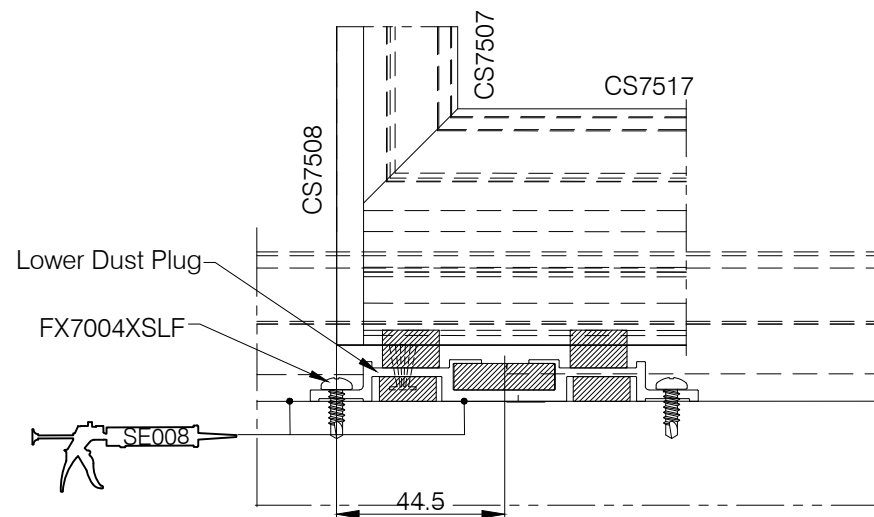


Double Track Door
Anti Lift & Interlock
at Low Threshold

A4 Scale 1:2

R1 - 04/12/2019

7.13



comar 7P.iLS+

INSTALLATION DETAILS

7

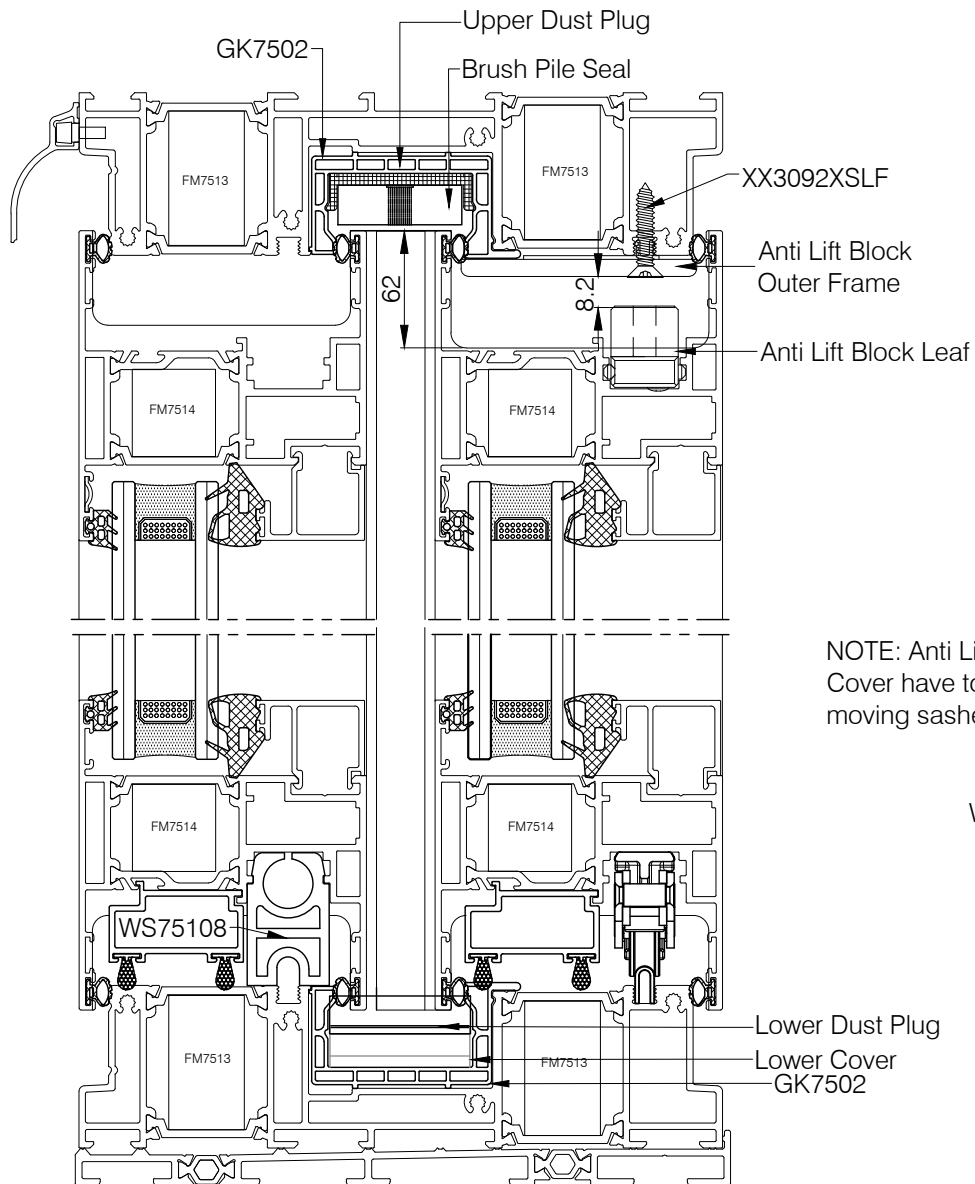


Double Track Door
Slim Interlock
Dust Plug with Brush Pile

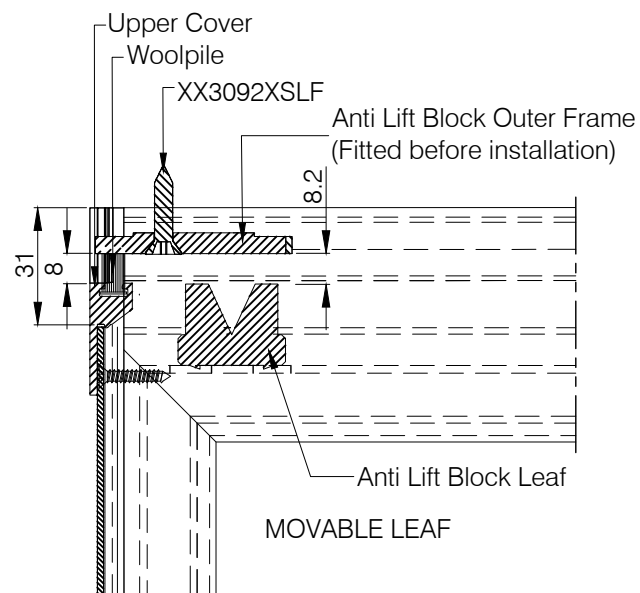
A4 Scale 1:5

R1 - 04/12/2019

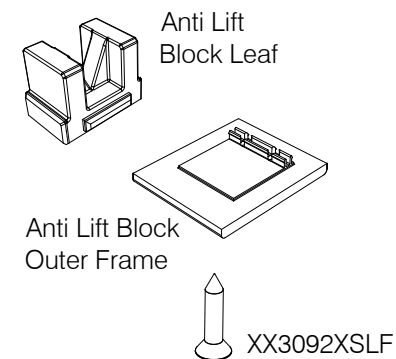
7.14



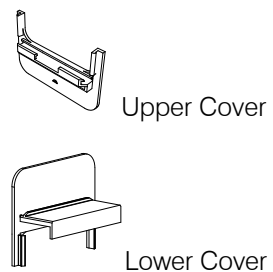
NOTE: Anti Lift Blocks & Upper Cover have to be fitted to all moving sashes



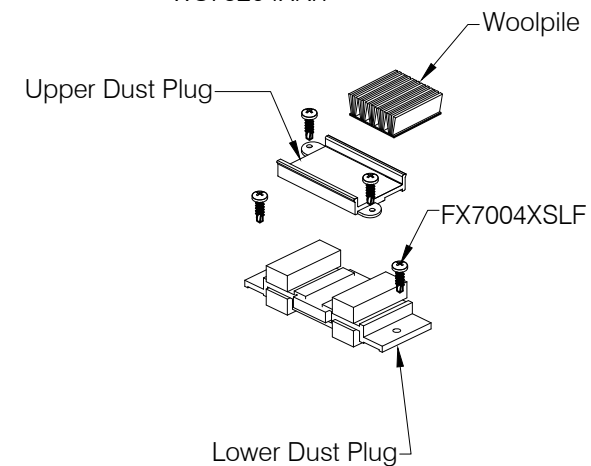
WS75203XKIT



WS75202XKIT



WS75204XKIT



comar 7P.iLS+

INSTALLATION

7

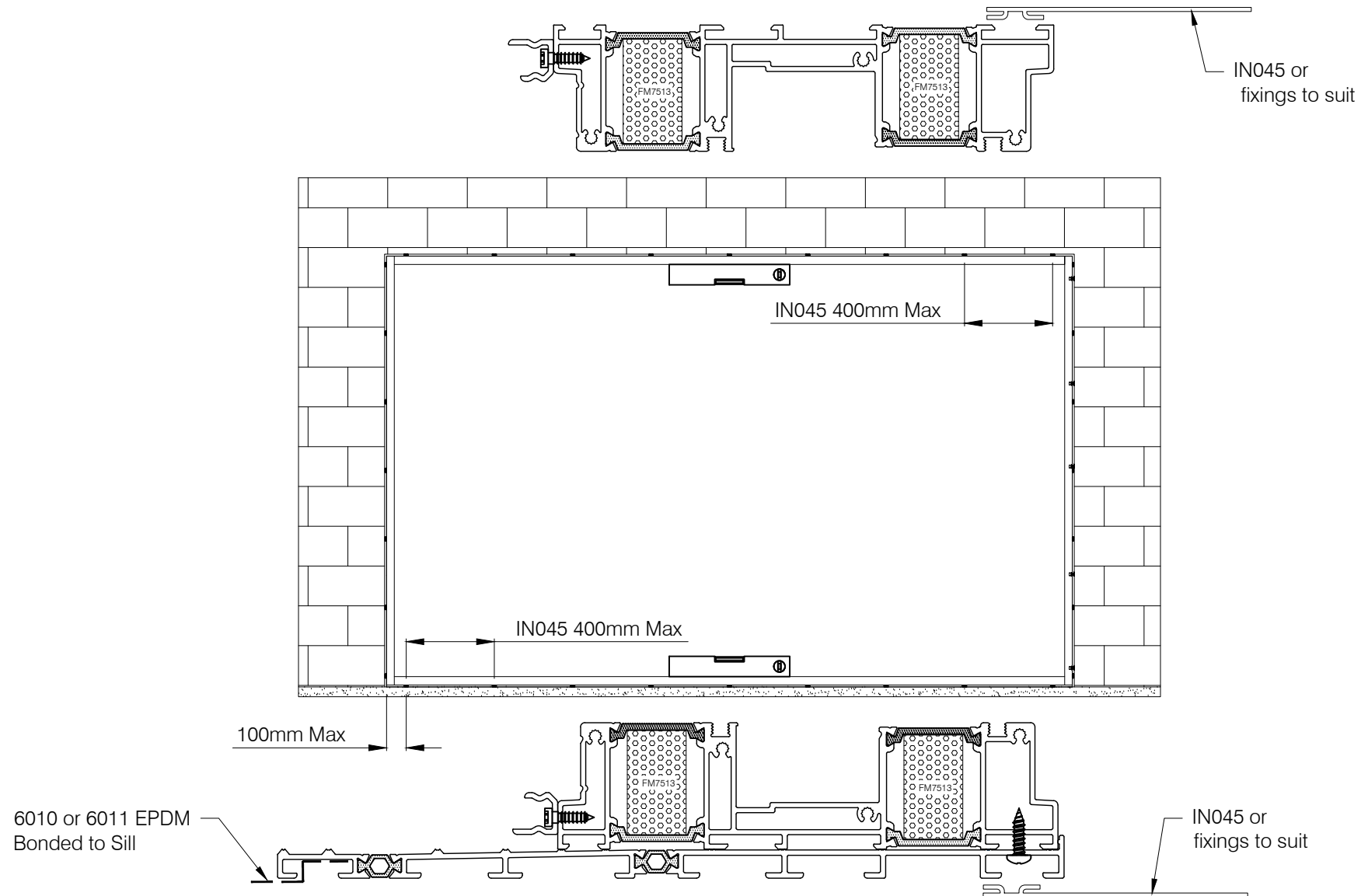


Anti Lift & Dust Plug
Slim Interlock Closure Cover Cap,
Fastening Section

A4 Scale 1:2

R1 - 04/12/2019

7.15



comar 7P.iLS+

INSTALLATION DETAILS

7

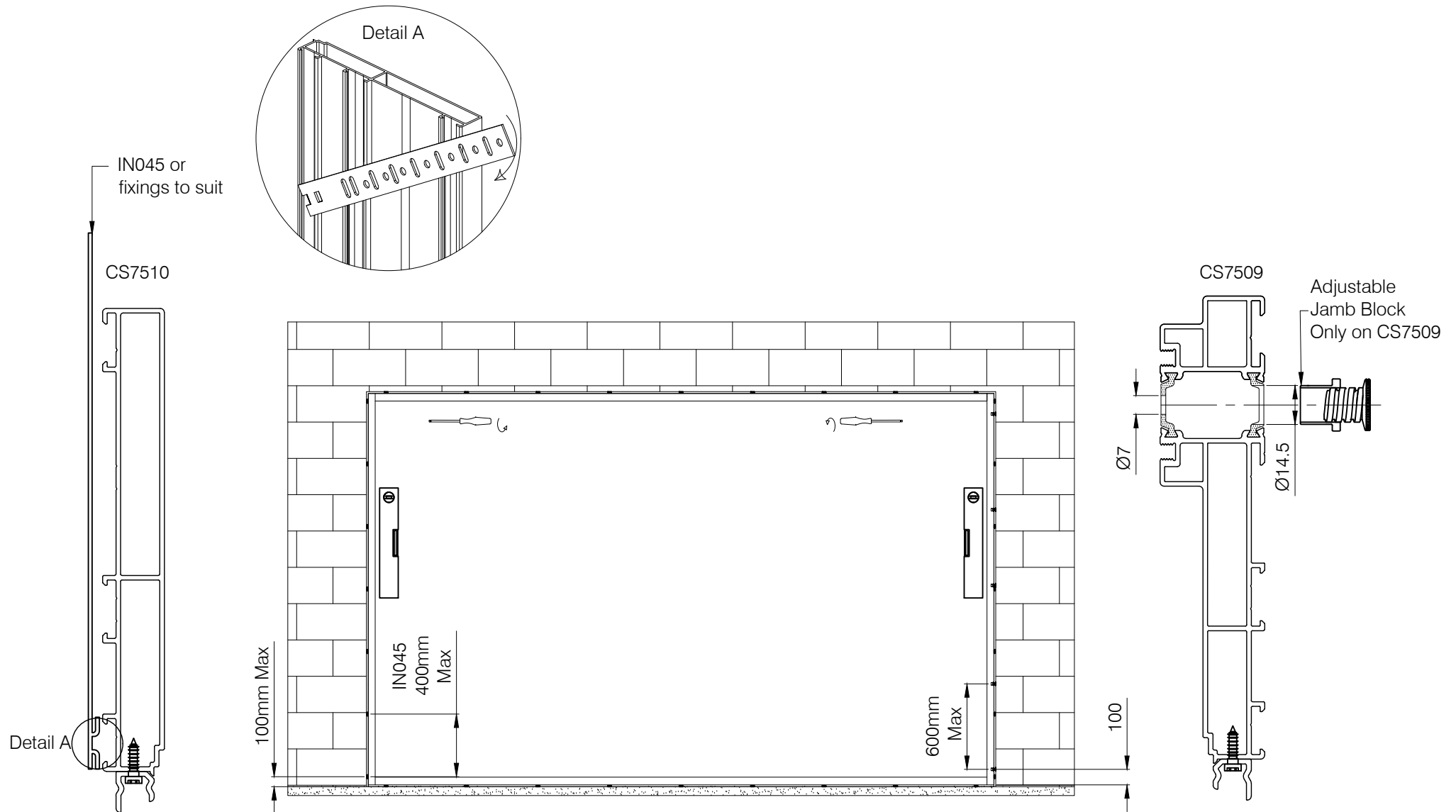


Triple Track Door
Internal Frame Alignment
to Structure

A4 Scale 1:2

R0 - 31/10/2017

7.16



comar 7P.iLS+

INSTALLATION DETAILS

6

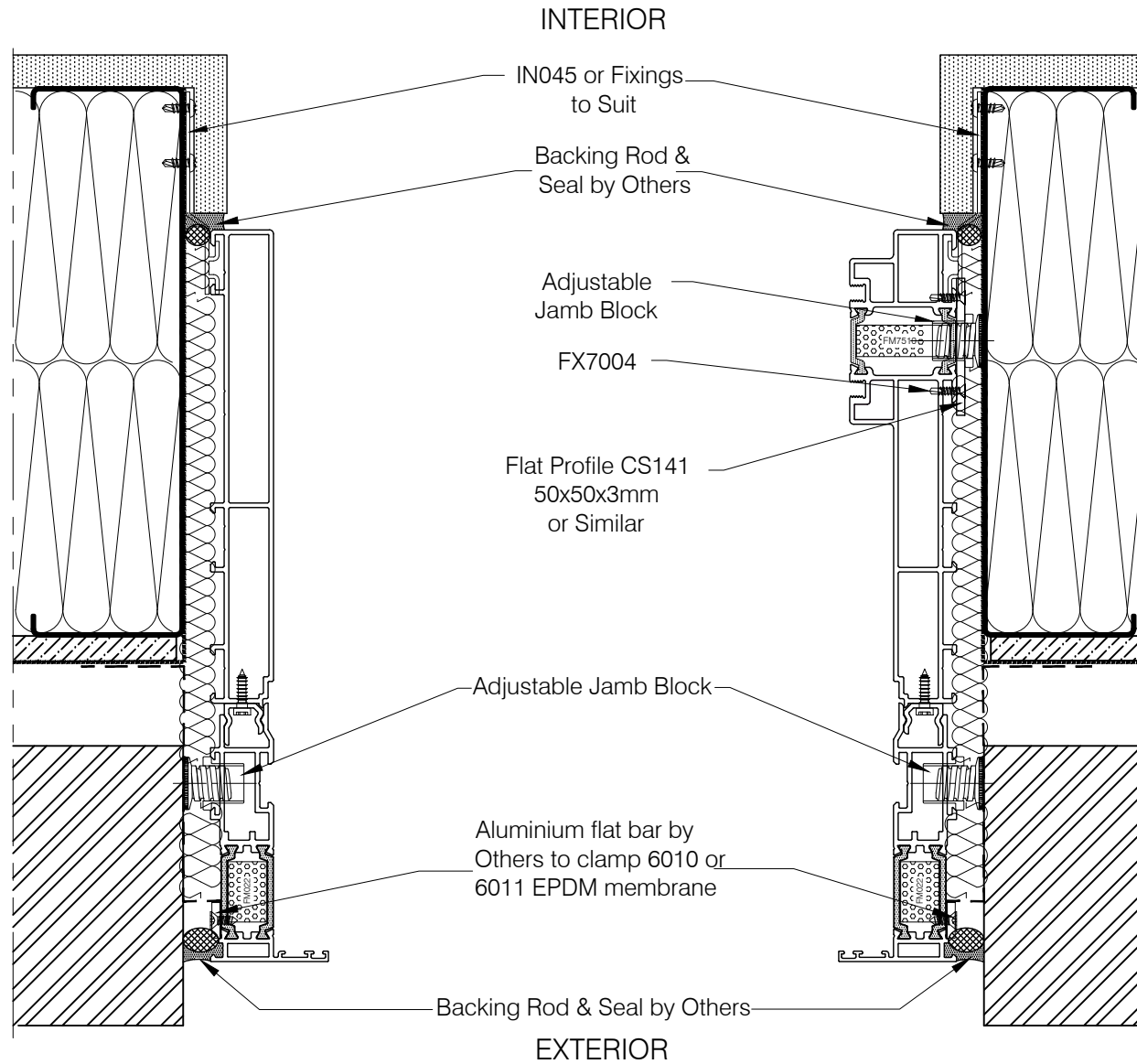


Triple Track Door
Internal Frame Alignment
to Structure

A4 Scale 1:30

R0 - 31/10/2017

7.17



comar 7P.iLS+

INSTALLATION DETAILS

7

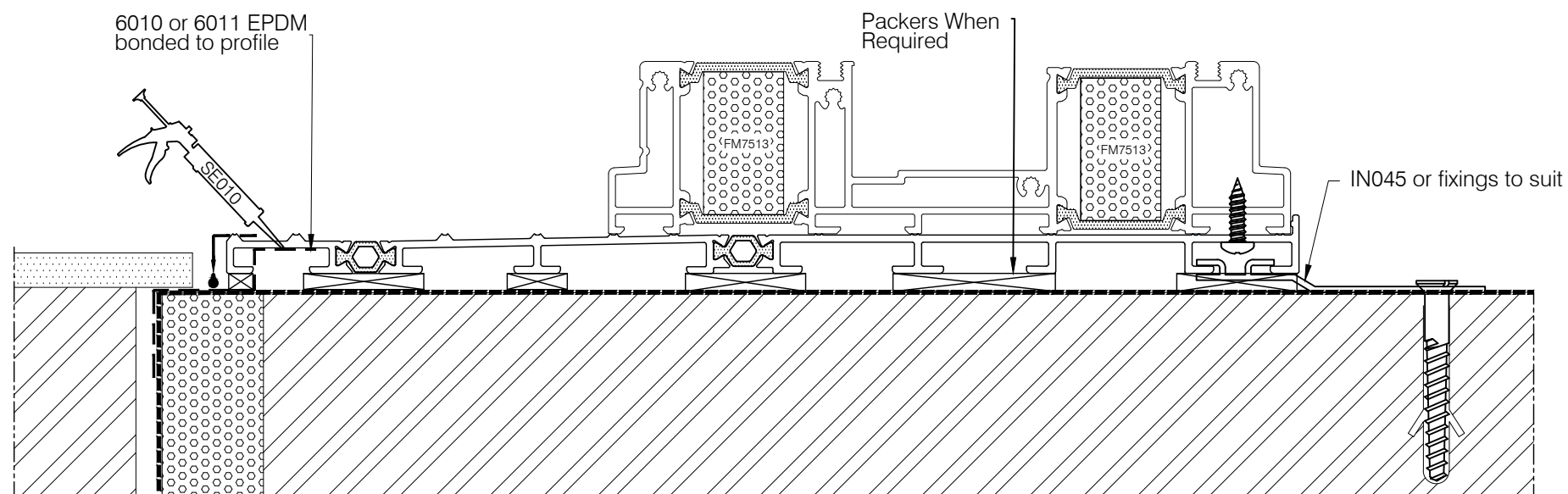


Triple Track Door
Jamb and EPDM
Membrane Details

A4 Scale NTS

R0 - 31/10/2017

7.18



comar 7P.iLS+

INSTALLATION DETAILS

7

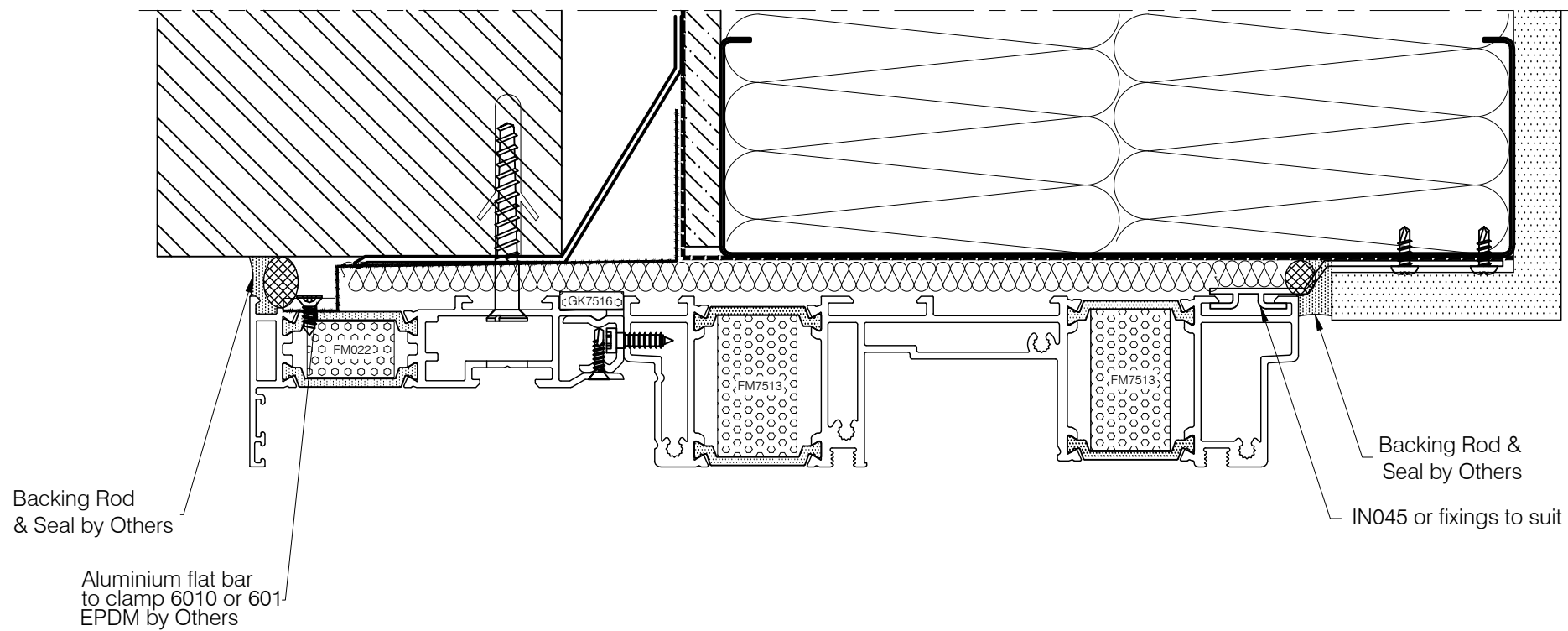


Triple Track Door
Sill and EPDM
Membrane Details

A4 Scale NTS

R0 - 31/10/2017

7.19



comar 7P.iLS+

INSTALLATION DETAILS

7

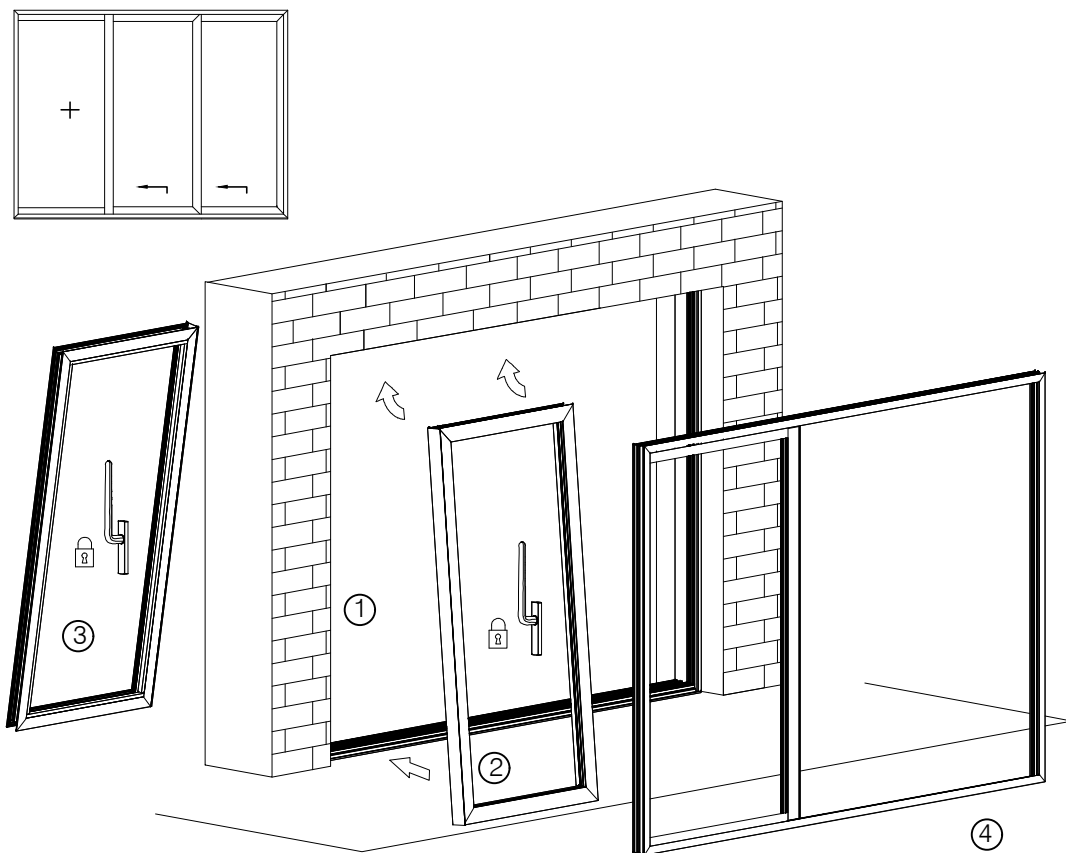


Triple Track Door
Head and EPDM
Membrane Details

A4 Scale NTS

R0 - 31/10/2017

7.20



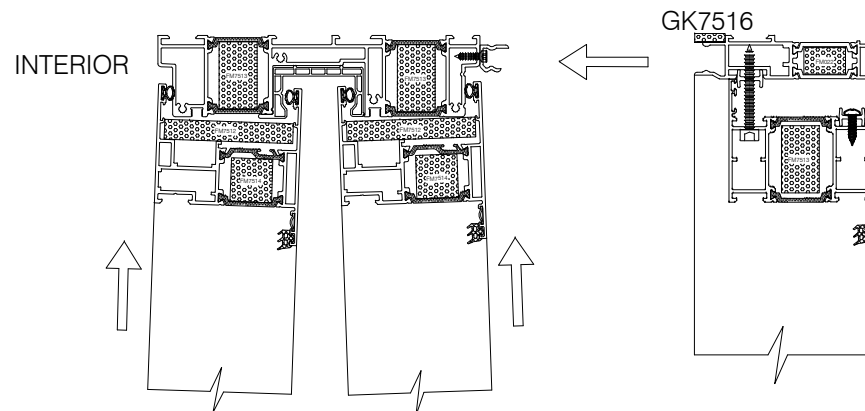
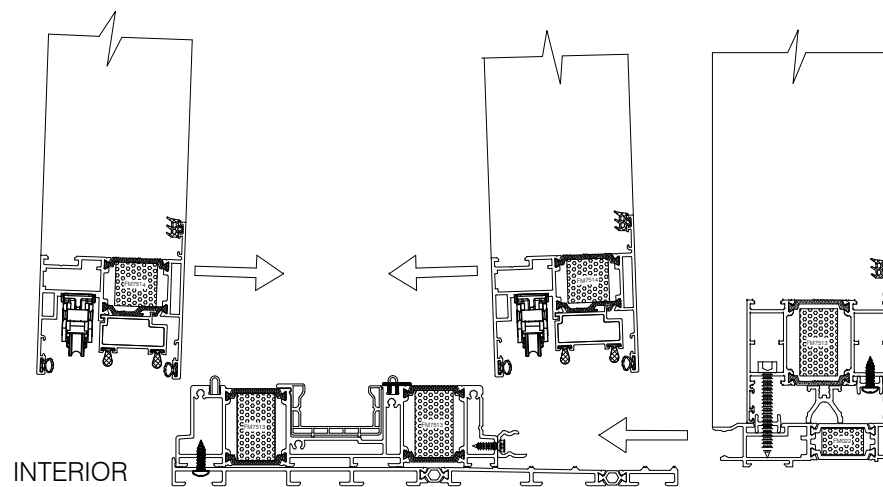
- ① Triple Track Frame
- ② Movable Leaf
- ③ Movable Leaf
- ④ Exterior Fixed Frame(CS7511-CS7522)

EXTERIOR VIEW

comar 7P.i LS+

INSTALLATION DETAILS

7

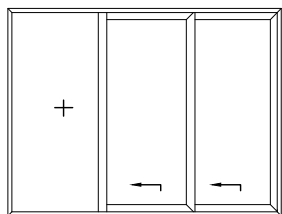
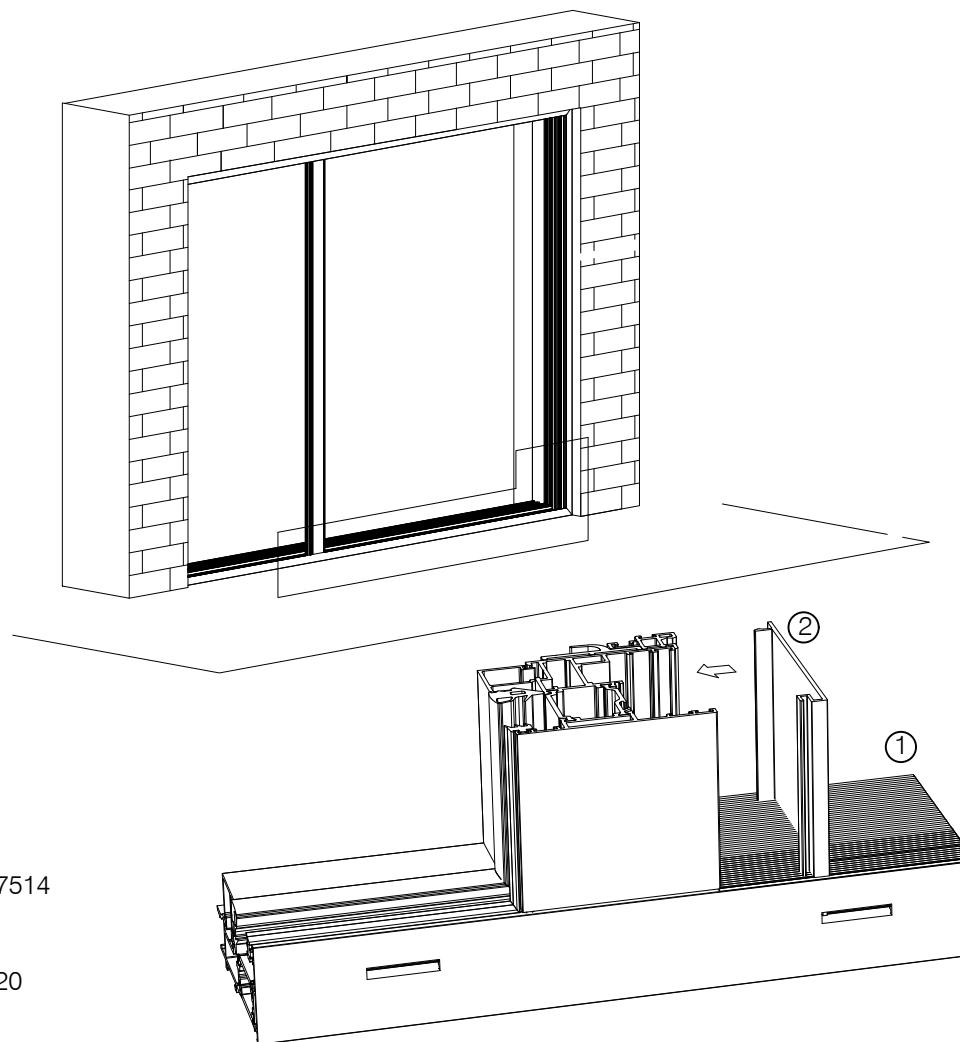


Triple Track Door
Installation Instruction

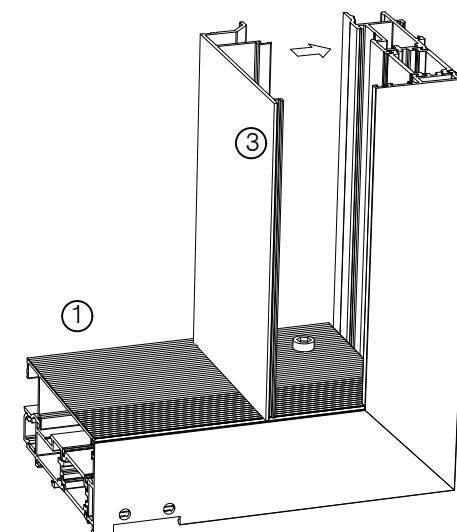
A4 Scale 1:30

R1 - 23/11/2018

7.21



- ① Triple Track protector -CS7514
- ② Interlock closer-CS7508
- ③ Outer Frame Cover-CS7520



EXTERIOR VIEW

comar 7P.iLS+

INSTALLATION DETAILS

7

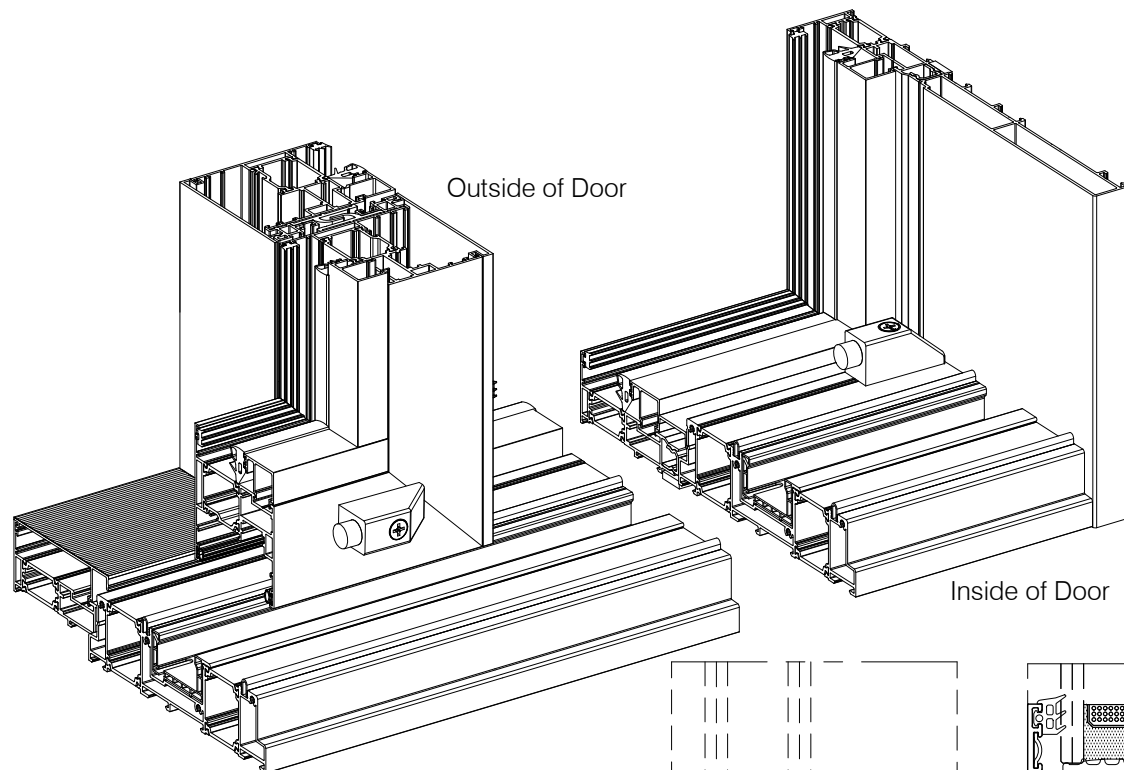


Triple Track Door
Installation Instruction

A4 Scale 1:30

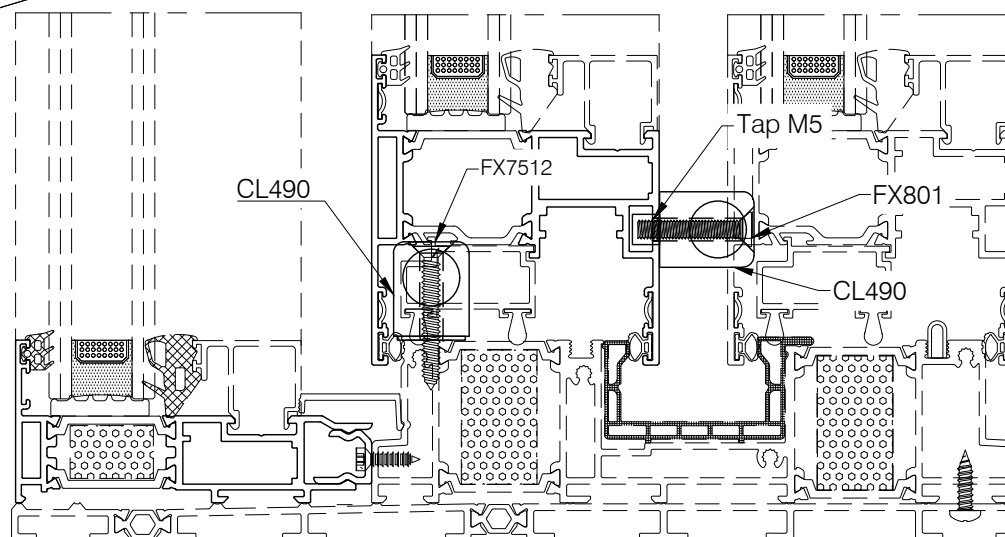
R0 - 31/10/2017

7.22



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.



comar 7P.i LS+

INSTALLATION

7

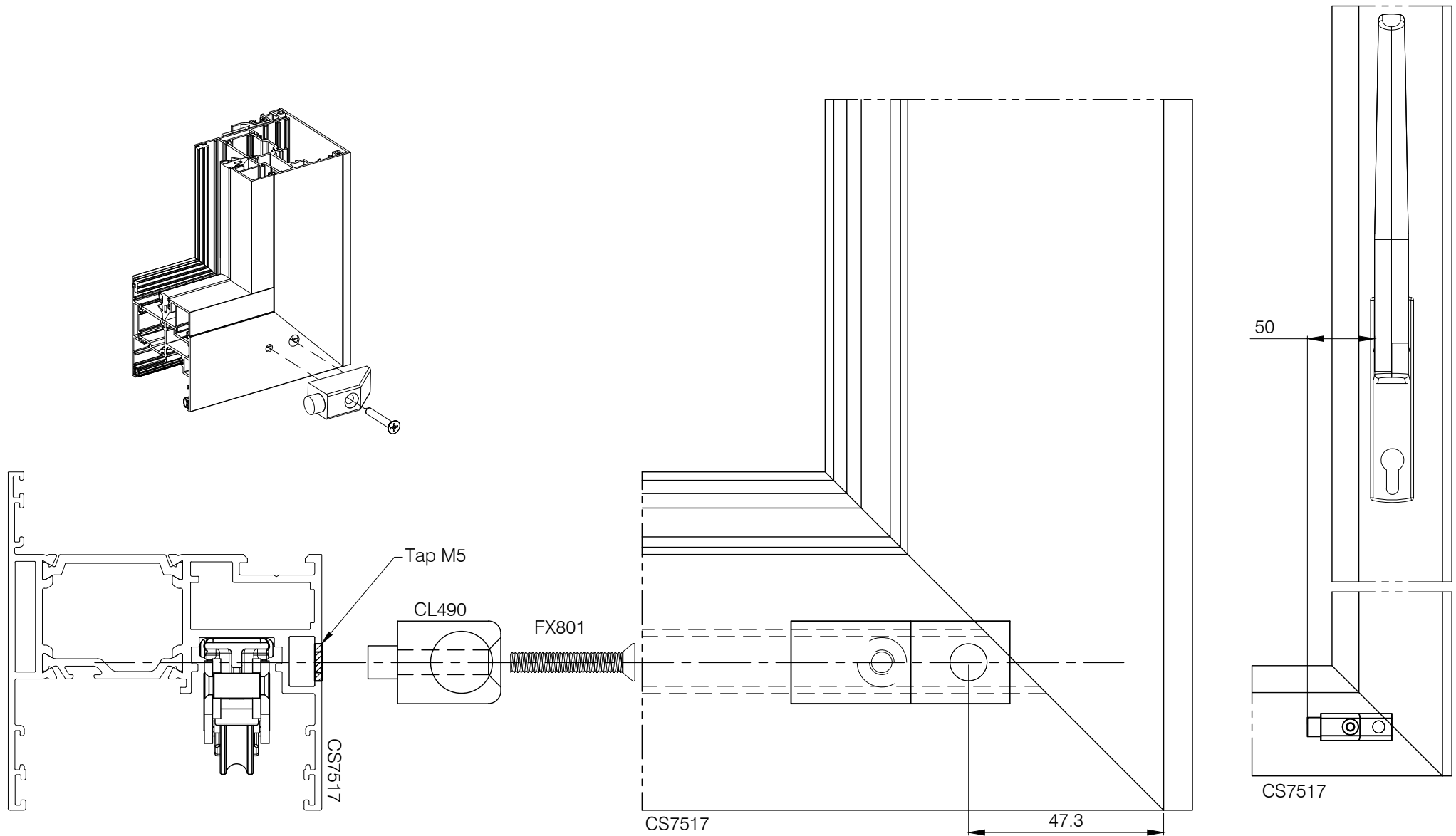

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Triple Track Door
CL490 Door Buffer
Leaf & Track

A4 Scale 1:2

R0 - 23/10/2017

7.23



comar 7P.i LS+

INSTALLATION

7

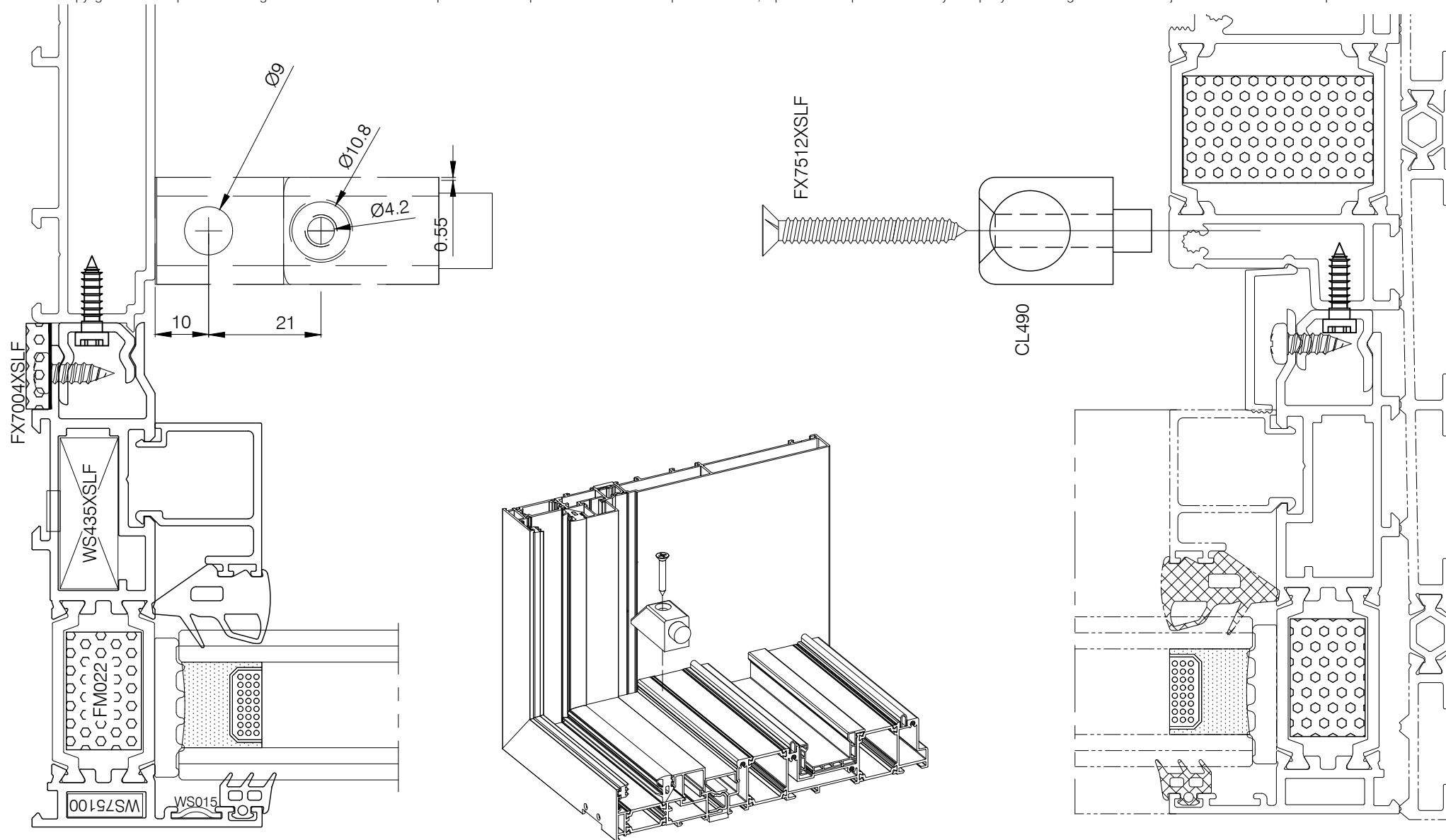
comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Double & Triple Track Door
CL490 Door Buffer ,CS7517

A4 Scale NTS

R0 - 31/10/2017

7.24



comar 7P.iLS+

INSTALLATION

7

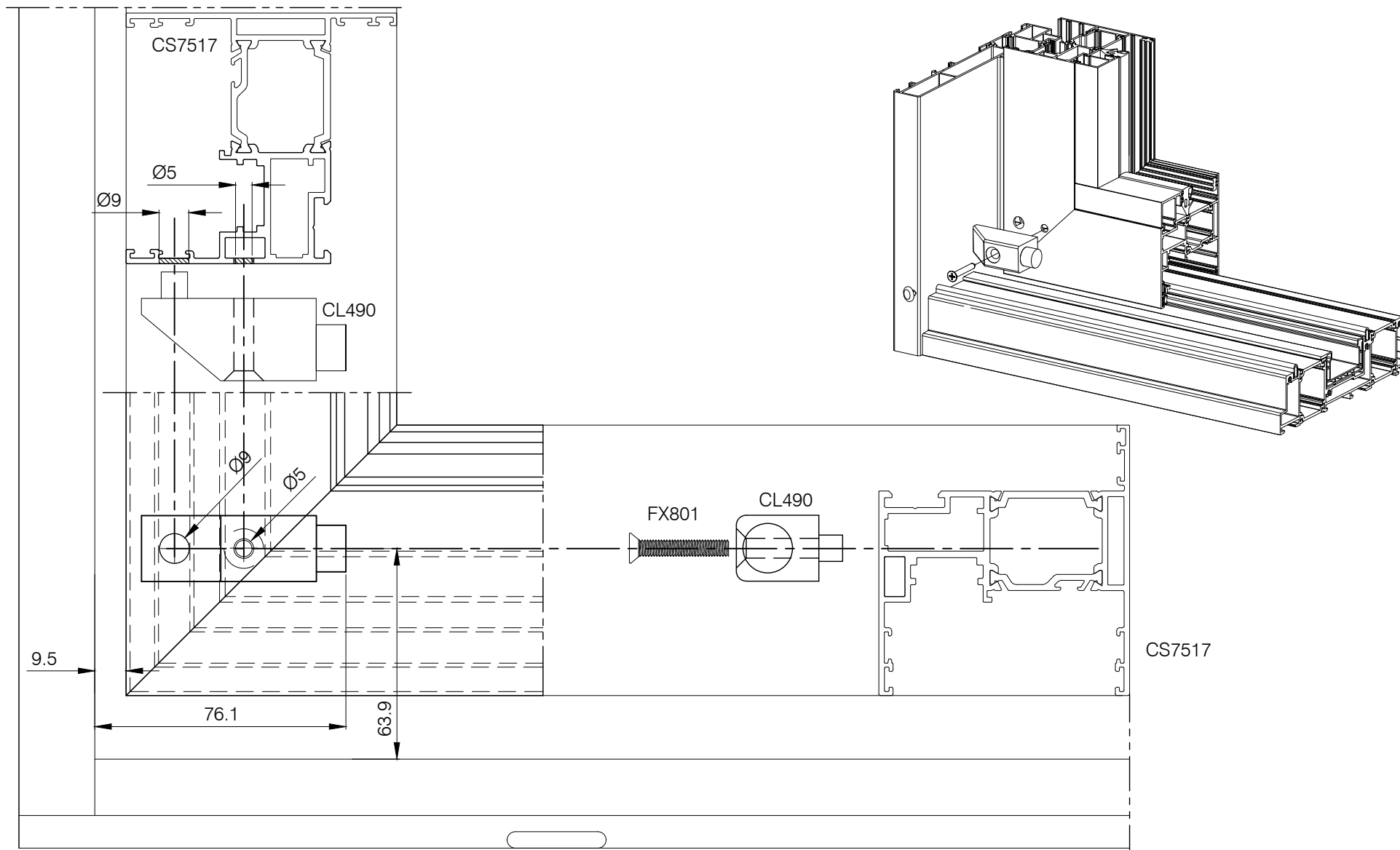
comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Triple Track Door
CL490 Door Buffer

A4 Scale 1:1

R1 - 04/12/2019

7.25



comar 7P.i LS+

INSTALLATION

7

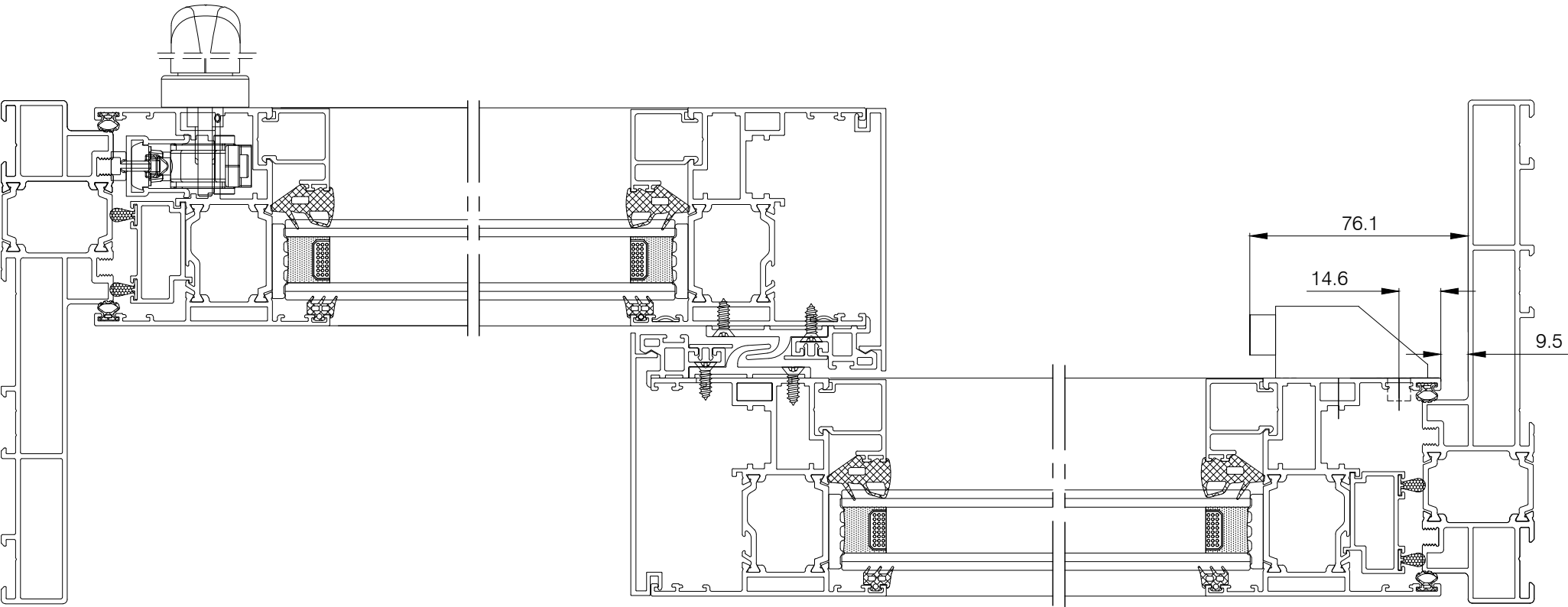


DoubleTrack Door
CL490 Door Buffer
Fixed Leaf CS7517

A4 Scale 1:2

R0 - 31/10/2017

7.26



comar 7P.i LS+

INSTALLATION

7

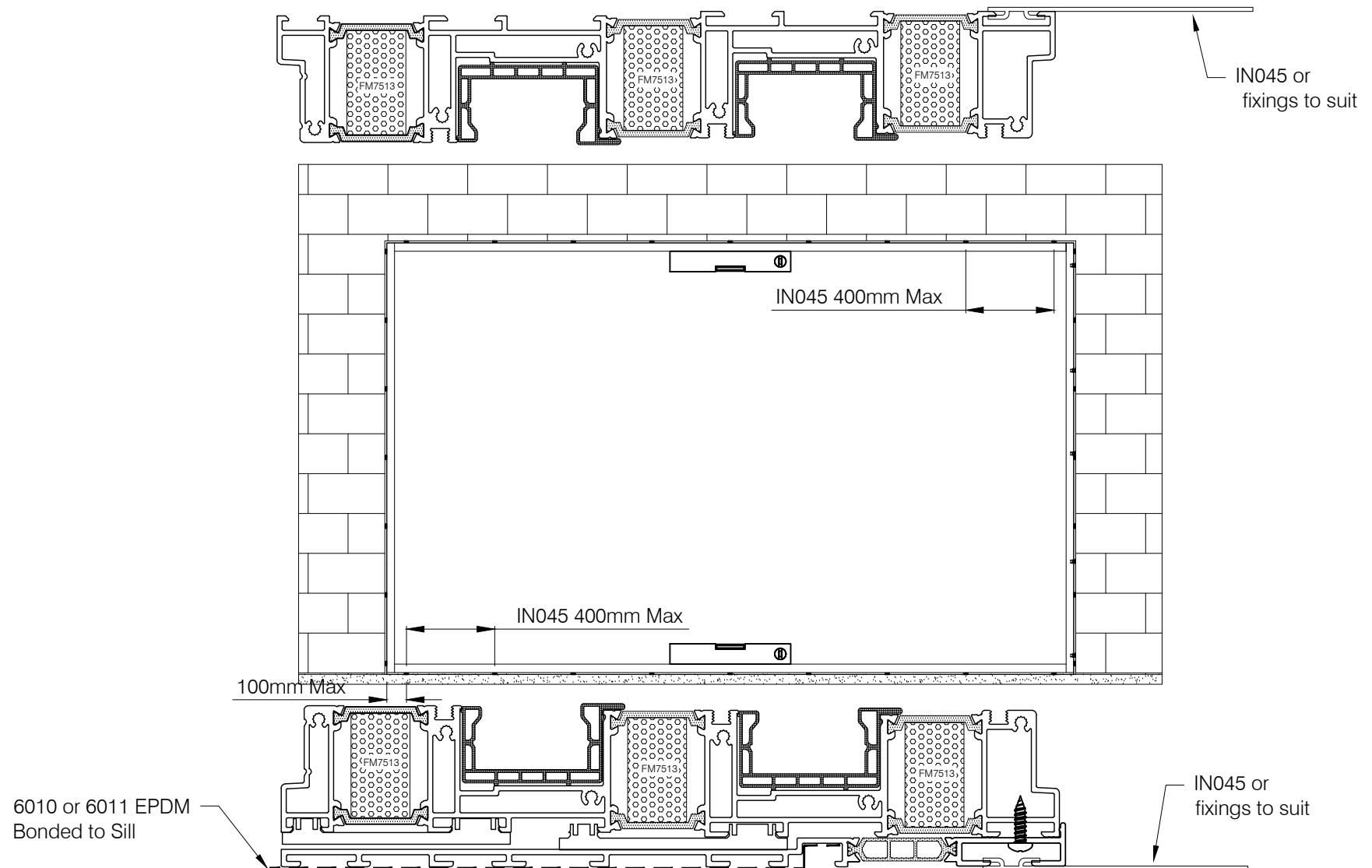


Double Track Door
CL490 Door Buffer

A4 Scale 1:4

R0 - 31/10/2017

7.27



comar 7P.iLS+

INSTALLATION DETAILS

7

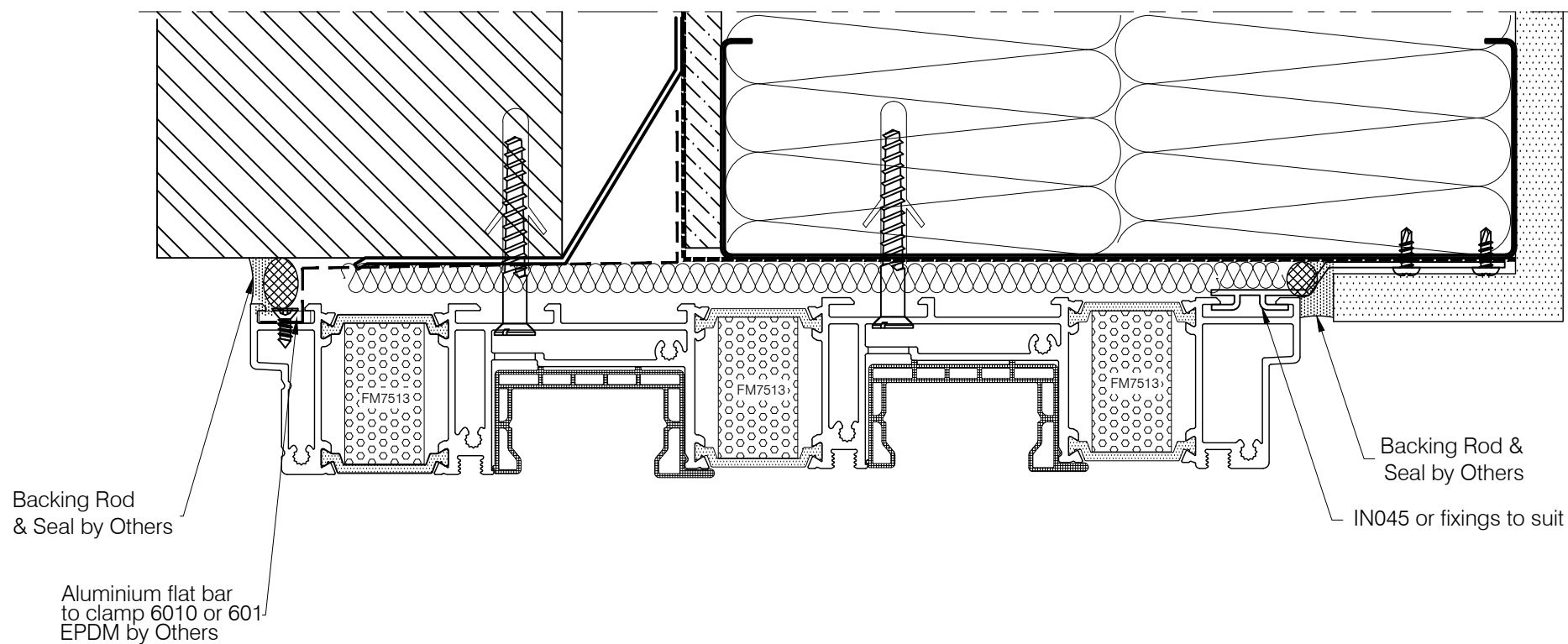


Triple Door
Internal Frame Alignment
to Structure

A4 Scale 1:2

R0 - 04/12/2019

7.28



comar 7P.iLS+

INSTALLATION DETAILS

7

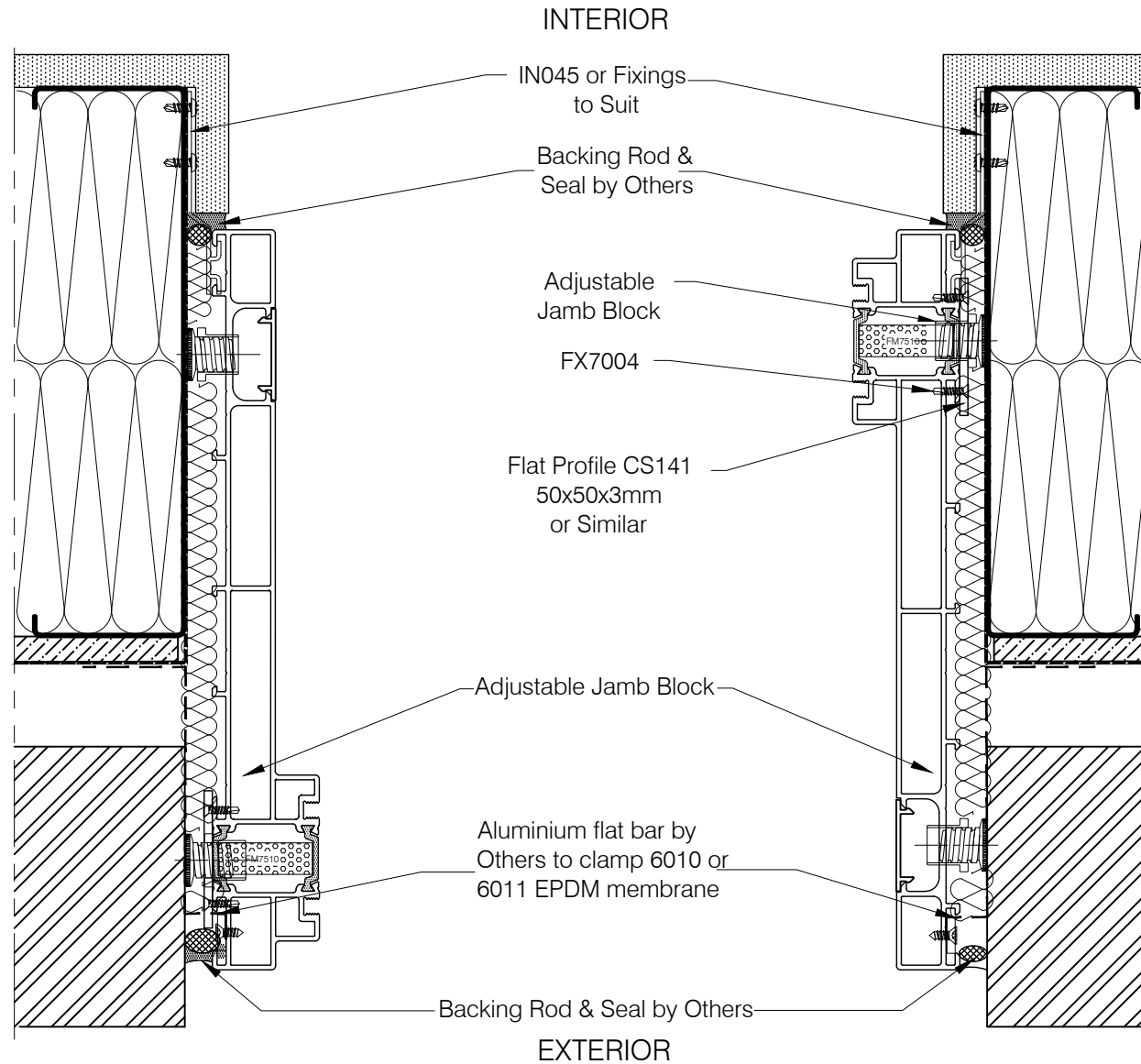


Triple Door
Head and EPDM
Membrane Details

A4 Scale NTS

R0 - 04/12/2019

7.29



comar 7P.iLS+

INSTALLATION DETAILS

7



Triple Door
Jamb and EPDM
Membrane Details

A4 Scale NTS

R0 - 04/12/2019

7.30

GLAZING OPTIONS

comar 7P.i LS+

GLAZING OPTIONS

8

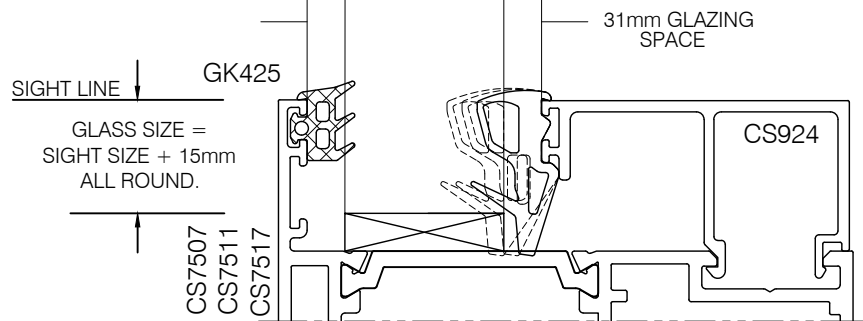


Glazing Options

R0 - 15/06/2017

8.00

CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK 425	5	21	20	19	5 - 7	GK 906
GK 425	5	19	18	17	7 - 9	GK 908
GK 425	5	17	16	15	9 - 11	GK 910
		MIN M/M				



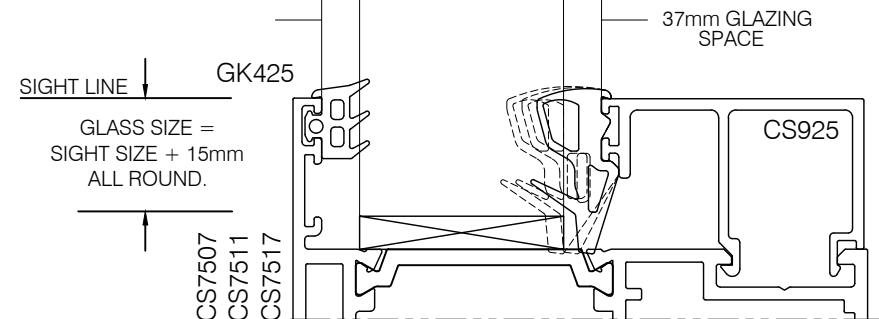
IMPORTANT NOTE
Due to the production tolerances in aluminum, painting / anodising, glass and gaskets, check and trial above formula before proceeding with bulk production.

Double glazed door system with square bead.
Order of assembly:

1. Captive gasket
2. Glass or panel
3. CS924/CS925 square bead
4. Insert wedge gasket.

To ensure satisfactory product performance, bottom corners and internal gasket corner joints should be silicon sealed .

CAPTIVE GASKET ref.	GASKET VALUE M/M	MAX M/M			WEDGE VALUE M/M	WEDGE INSERT ref.
GK 425	5	27	26	25	5 - 7	GK 906
GK 425	5	25	24	23	7 - 9	GK 908
GK 425	5	23	22	21	9 - 11	GK 910
		MIN M/M				



comar 7P.i LS+

GLAZING OPTIONS

8

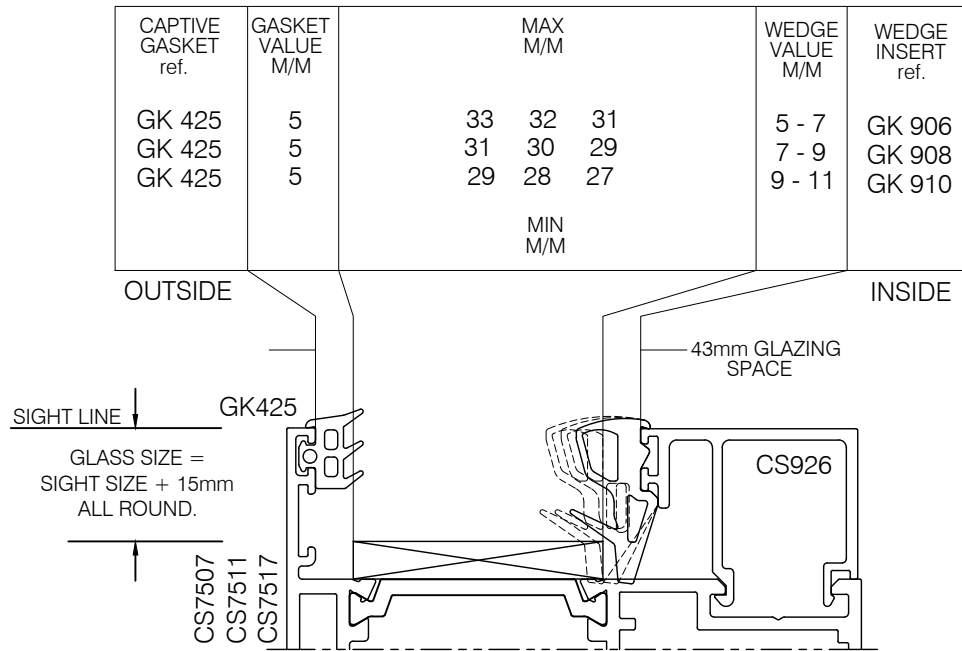

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Glazing Options
CS924/CS925 Bead

A4 Scale 1:1

R0 - 31/10/2017

8.01

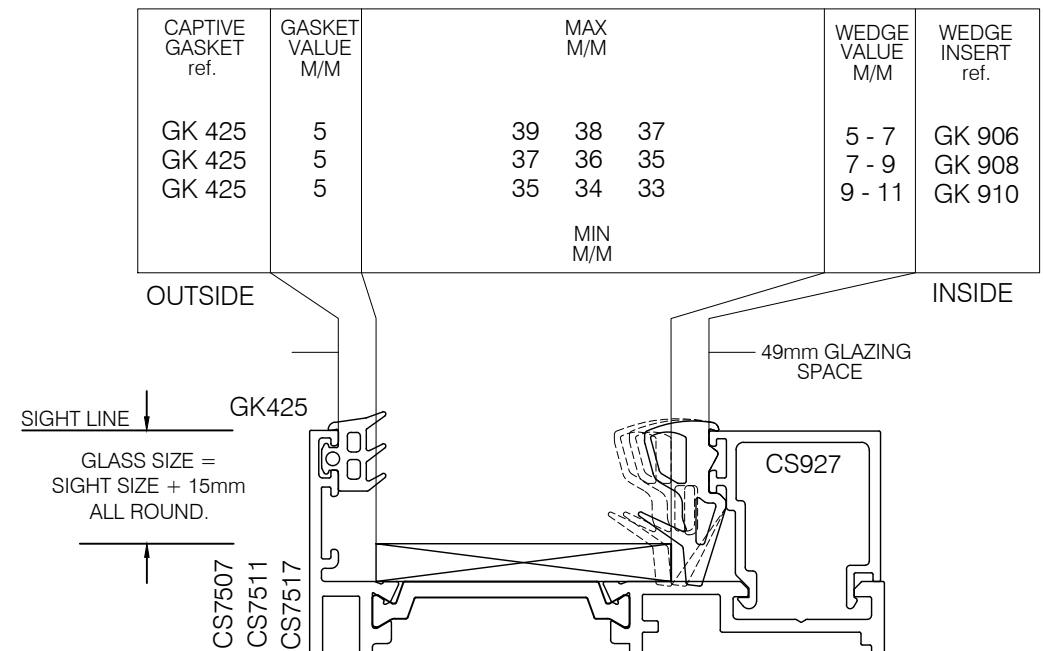


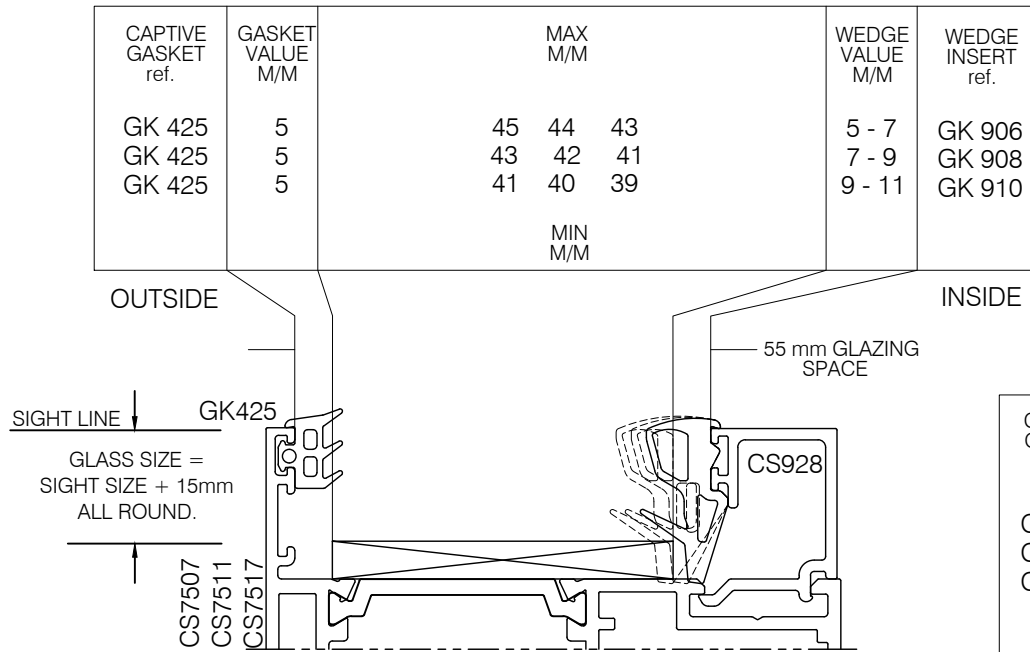
IMPORTANT NOTE
Due to the production tolerances in aluminum, painting / anodising, glass and gaskets, check and trial above formula before proceeding with bulk production.

Double glazed door system with square bead.
Order of assembly:

1. Captive gasket
2. Glass or panel
3. CS926/CS927 square bead
4. Insert wedge gasket.

To ensure satisfactory product performance, bottom corners and internal gasket corner joints should be silicon sealed.

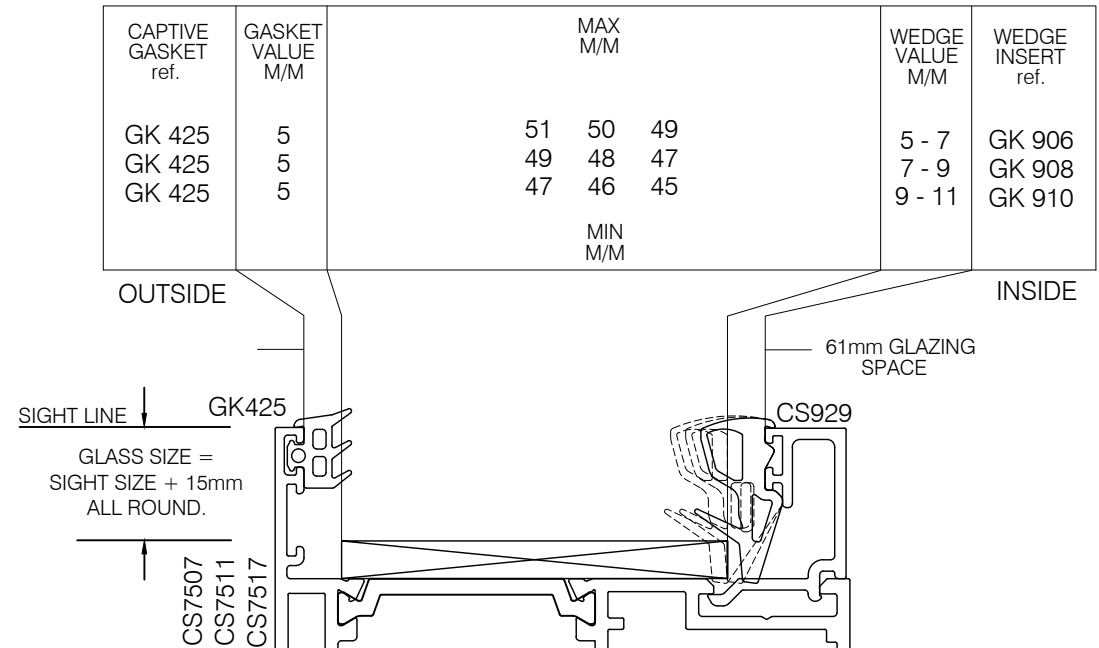




Double glazed door system with square bead.
Order of assembly:

1. Captive gasket
2. Glass or panel
3. CS928/CS929 square bead
4. Insert wedge gasket.

To ensure satisfactory product performance, bottom corners and internal gasket corner joints should be silicon sealed .



IMPORTANT NOTE
Due to the production tolerances in aluminum, painting / anodising, glass and gaskets, check and trial above formula before proceeding with bulk production.

comar 7P.iLS+

GLAZING OPTIONS

8

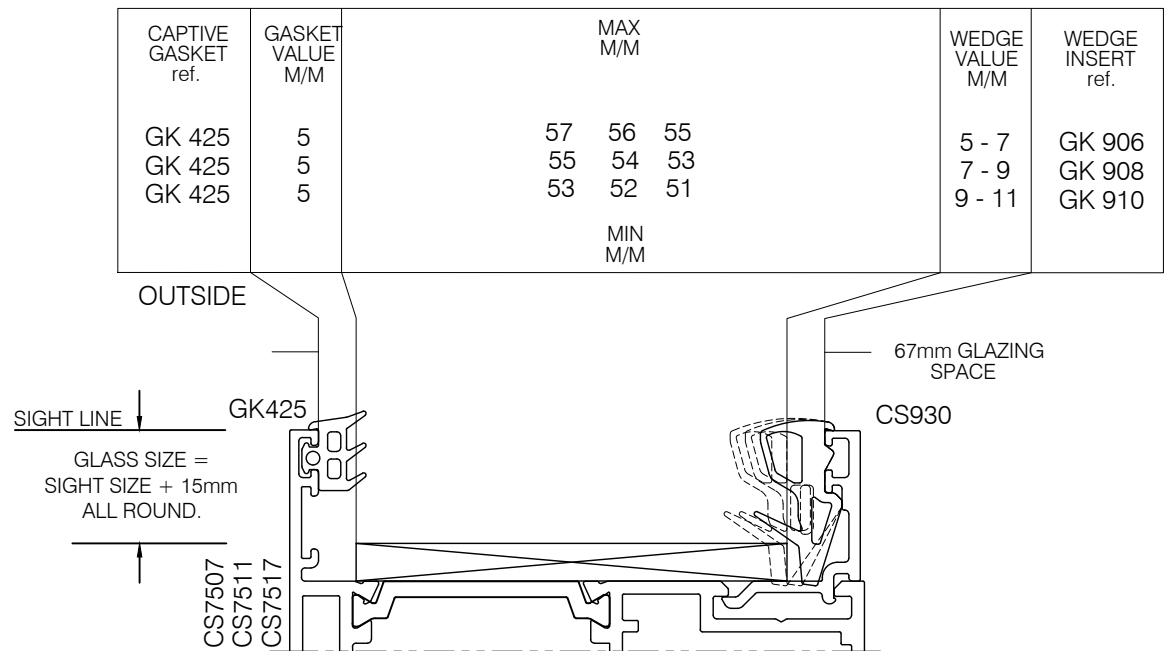


Glazing Options
CS928/CS929 Bead

A4 Scale1:1

R0 - 31/10/2017

8.03



Double glazed door system with square bead.
Order of assembly:

1. Captive gasket
2. Glass or panel
3. CS930 square bead
4. Insert wedge gasket.

To ensure satisfactory product performance, bottom corners and internal gasket corner joints should be silicon sealed .

IMPORTANT NOTE

Due to the production tolerances in aluminum, painting / anodising, glass and gaskets, check and trial above formulae before proceeding with bulk production.

U-VALUES

comar 7P.i LS+

U-VALUES

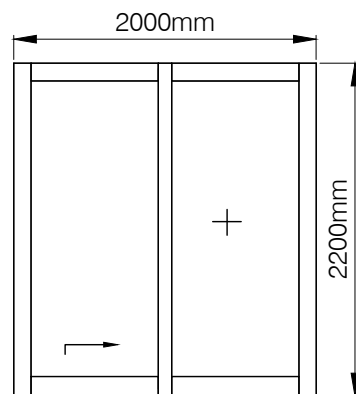
9



U- Values

R0 - 11/10/2017

9.00



Average U-Value = $1.05\text{W/m}^2\text{K}$
U-value calculation details:

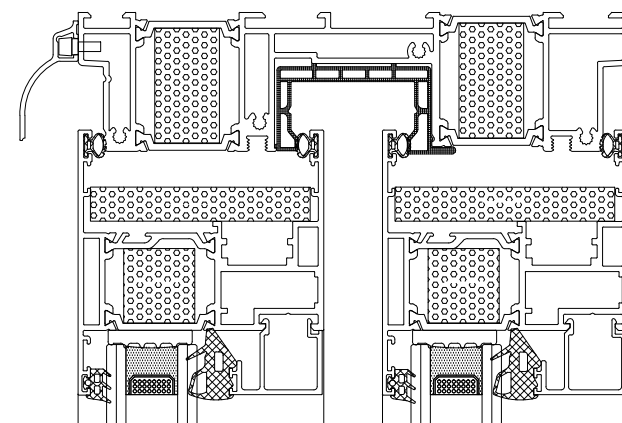
Glass Centre Pane (U_g) = $0.5\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 48mm
Max Glazing Thickness = 57mm
Door size: 2000×2200

Average U-value = $1.42\text{W/m}^2\text{K}$
U-value calculation details:

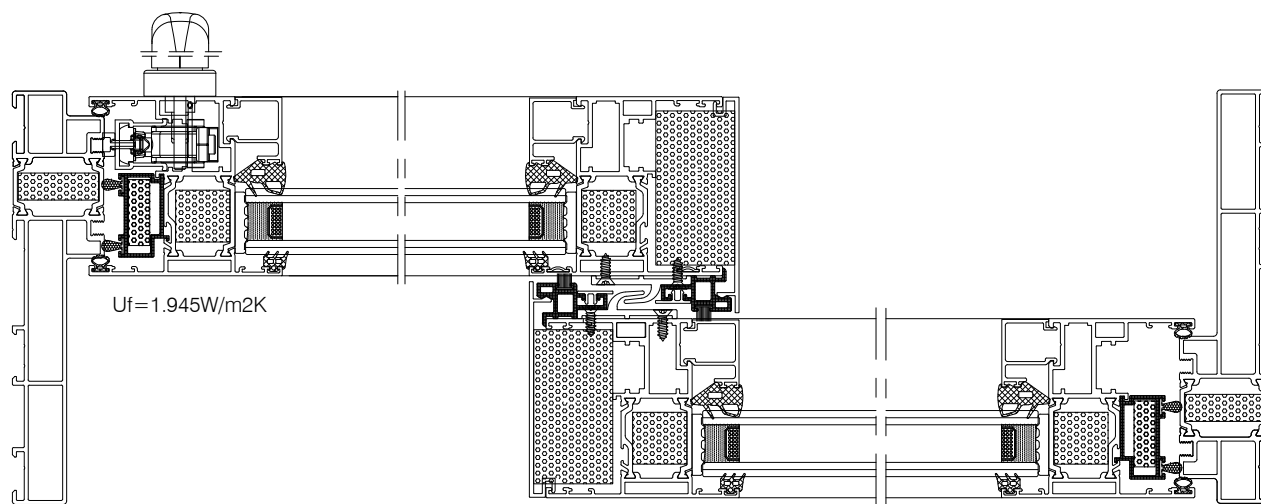
Glass Centre Pane (U_g) = $1.0\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 28mm (shown)
Max Glazing Thickness = 57mm
Door size: 2000×2200



$U_f = 1.901\text{W/m}^2\text{K}$

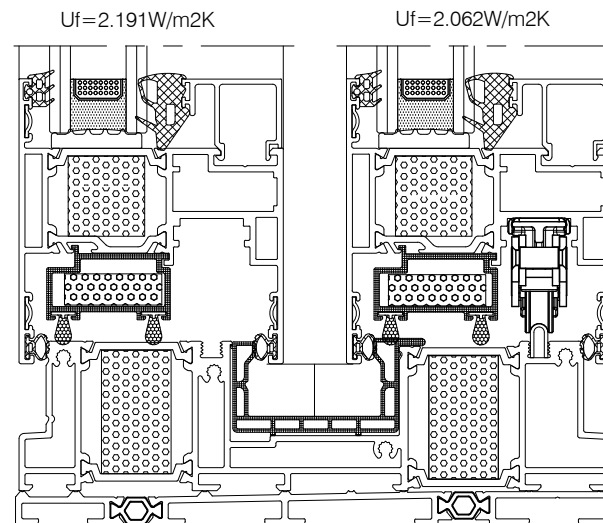
$U_f = 1.806\text{W/m}^2\text{K}$



$U_f = 1.945\text{W/m}^2\text{K}$

$U_f = 4.133\text{W/m}^2\text{K}$

$U_f = 1.996\text{W/m}^2\text{K}$



$U_f = 2.191\text{W/m}^2\text{K}$

$U_f = 2.062\text{W/m}^2\text{K}$

comar 7P.iLS+

U-VALUES

9

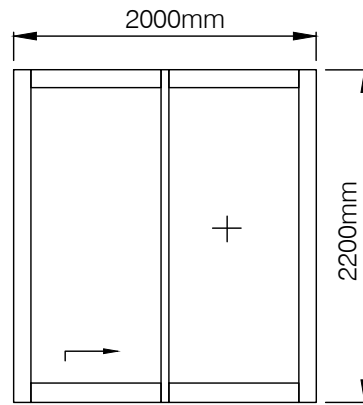


Double Track Door
Standard Interlock
U-values

A4 Scale 1:4

R0 - 31/10/2017

9.01



Average U-Value = $1.04\text{W/m}^2\text{K}$
U-value calculations details:

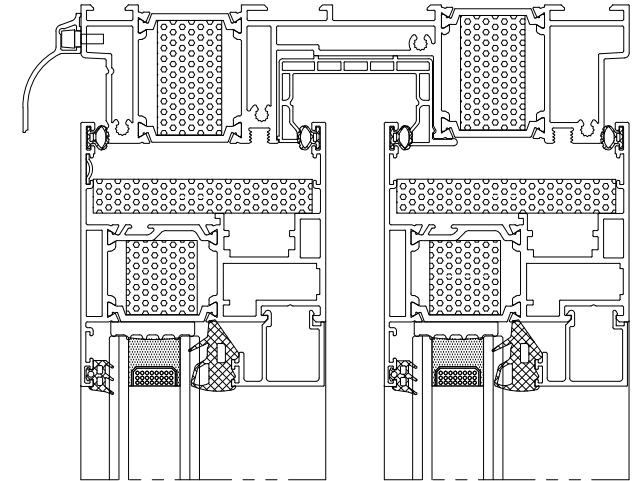
Glass Centre Pane (U_g) = $0.5\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 48mm
Max Glazing Thickness = 57mm
Door size: 2000 x 2200

Average U-value = $1.42\text{W/m}^2\text{K}$
U-value calculations details:

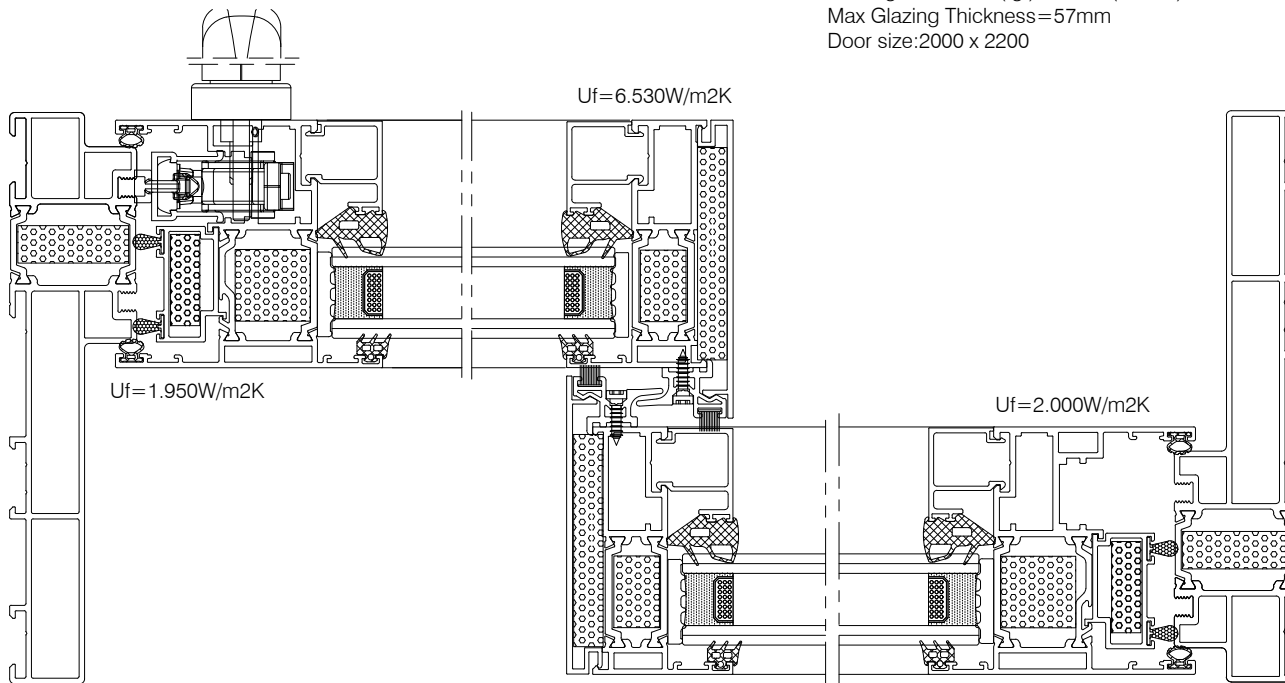
Glass Centre Pane (U_g) = $1.0\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 28mm (shown)
Max Glazing Thickness = 57mm
Door size: 2000 x 2200



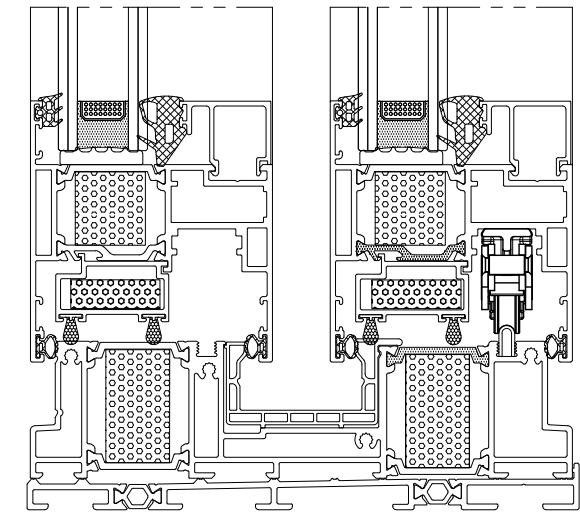
$U_f = 1.900\text{W/m}^2\text{K}$

$U_f = 1.810\text{W/m}^2\text{K}$



$U_f = 2.190\text{W/m}^2\text{K}$

$U_f = 2.060\text{W/m}^2\text{K}$



comar 7P.i LS+

U-VALUES

9

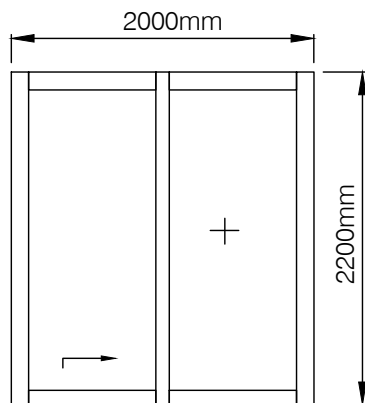

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Double Track Door
Slim Interlock
U-values

A4 Scale NTS

R0 - 31/10/2017

9.02

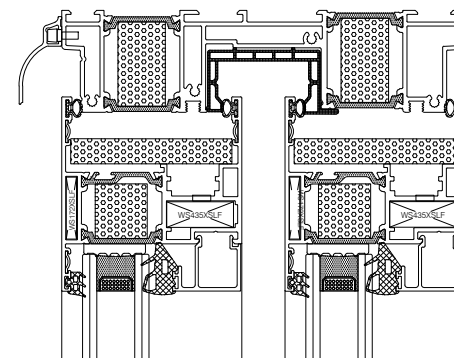


Average U-Value = $1.03\text{W/m}^2\text{K}$
 U-Value calculations details:
 Glass Centre Pane (U_g) = $0.5\text{W/m}^2\text{K}$
 Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 48mm
 Max Glazing Thickness = 57mm
 Door size: 2000 x 2200

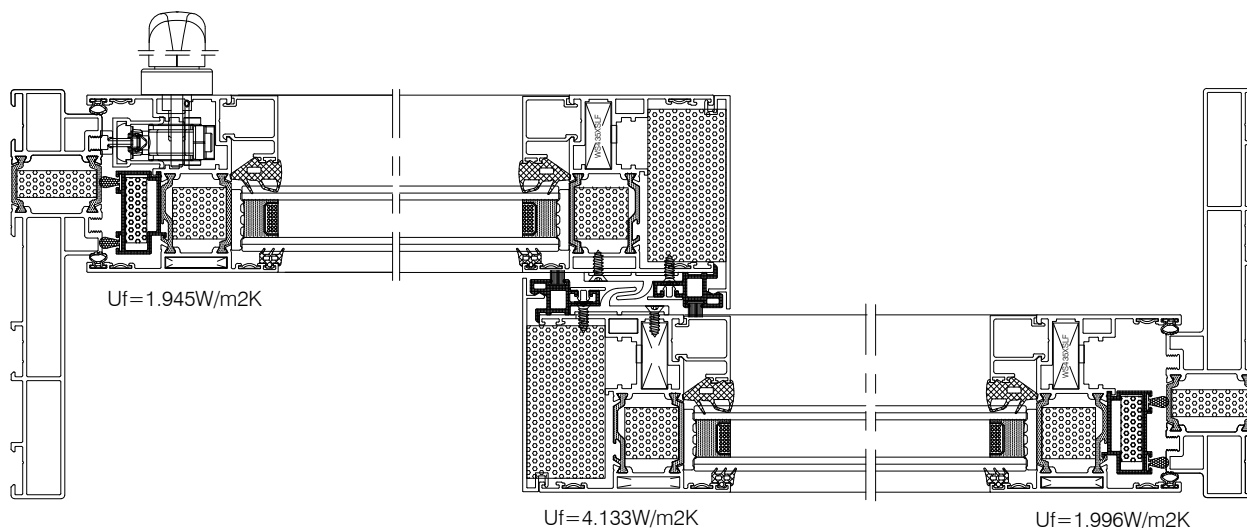
Average U-value = $1.41\text{W/m}^2\text{K}$
 U-Value calculations details:
 Glass Centre Pane (U_g) = $1.0\text{W/m}^2\text{K}$
 Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 28mm (shown)
 Max Glazing Thickness = 57mm
 Door size: 2000 x 2200



$U_f = 1.901\text{W/m}^2\text{K}$

$U_f = 1.806\text{W/m}^2\text{K}$



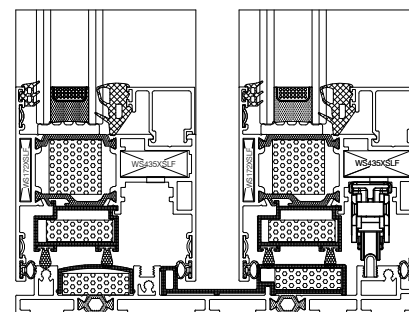
$U_f = 1.945\text{W/m}^2\text{K}$

$U_f = 4.133\text{W/m}^2\text{K}$

$U_f = 1.996\text{W/m}^2\text{K}$

$U_f = 2.123\text{W/m}^2\text{K}$

$U_f = 2.142\text{W/m}^2\text{K}$



comar 7P.iLS+

U-VALUES

9

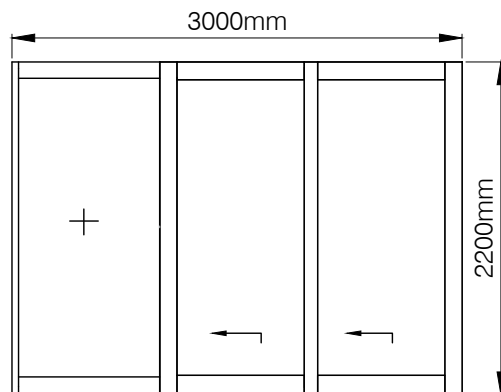


Double Track Door
 Low Threshold
 U-values

A4 Scale 1:4

R0 - 31/10/2017

9.03

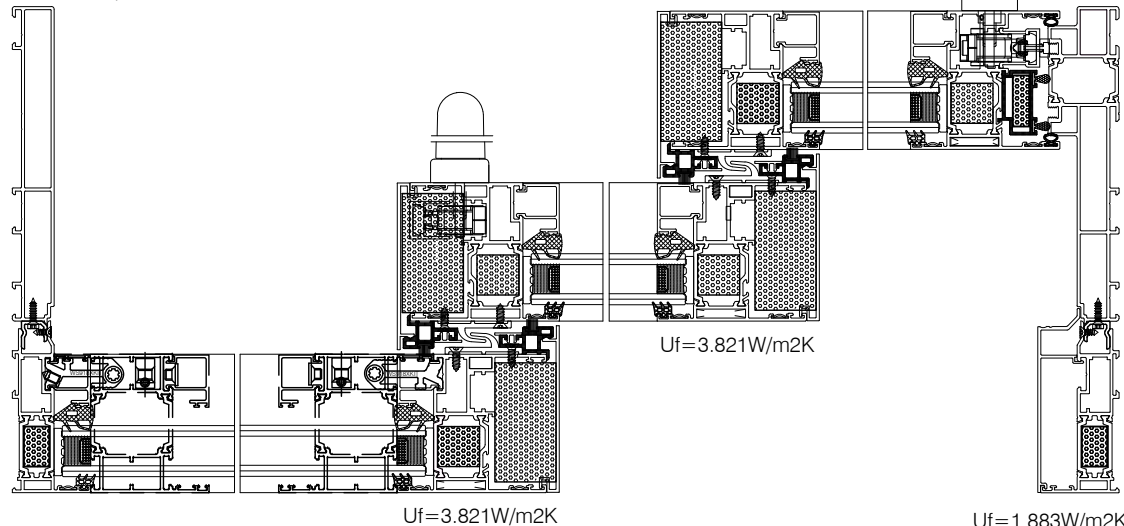
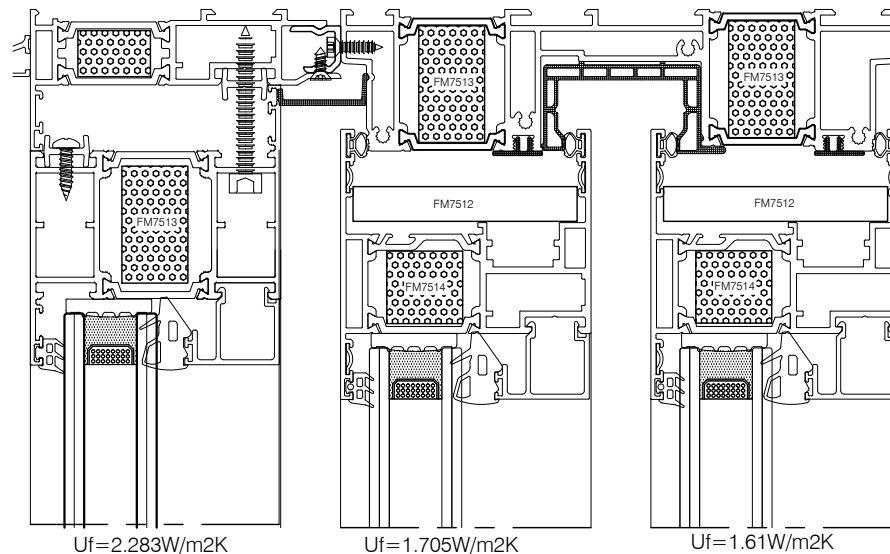
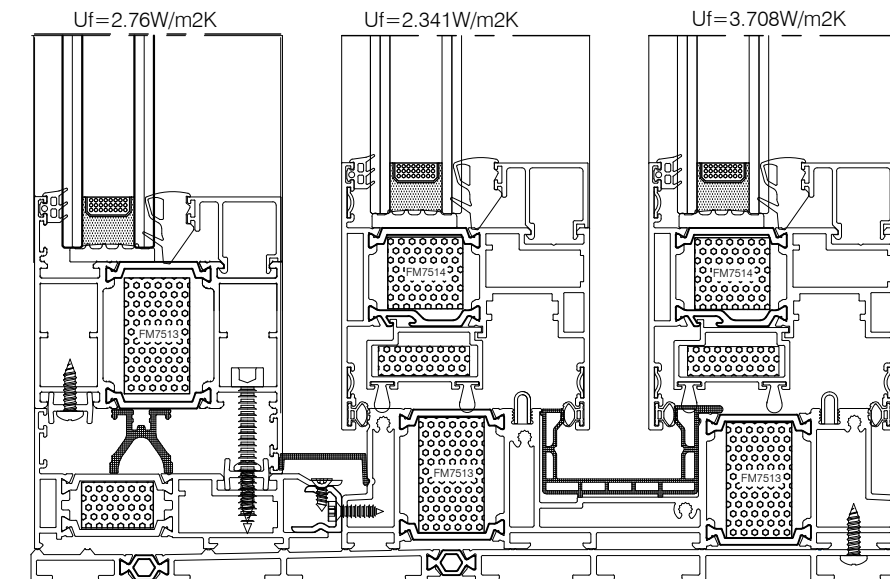


Average U-Value = $1.37\text{W/m}^2\text{K}$
U-Value calculations details:

Glass Centre Pane (U_g) = $1.0\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 28mm (shown)
Max Glazing Thickness = 57mm
Door size: 3000 x 2200

$U_f = 1.898\text{W/m}^2\text{K}$



comar 7P.iLS+

U-VALUES

9

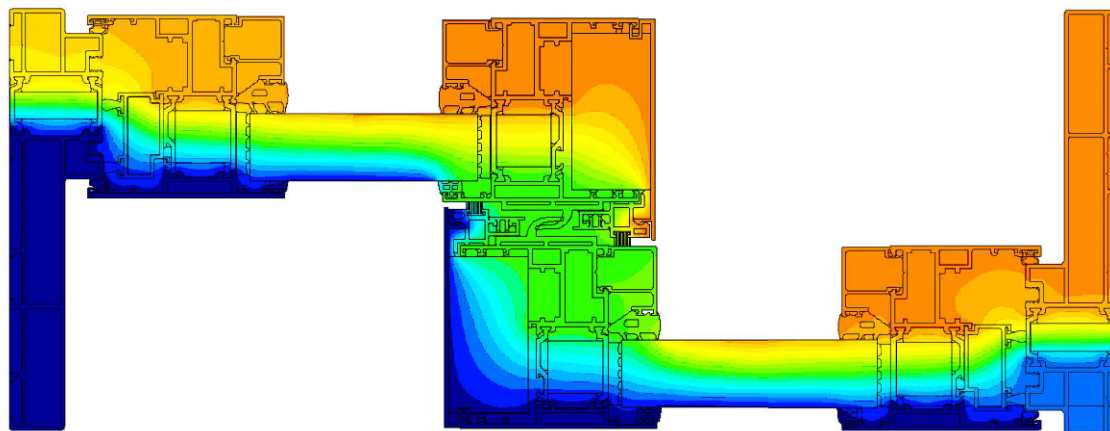


Triple Track Door
Standard Interlock
U-values

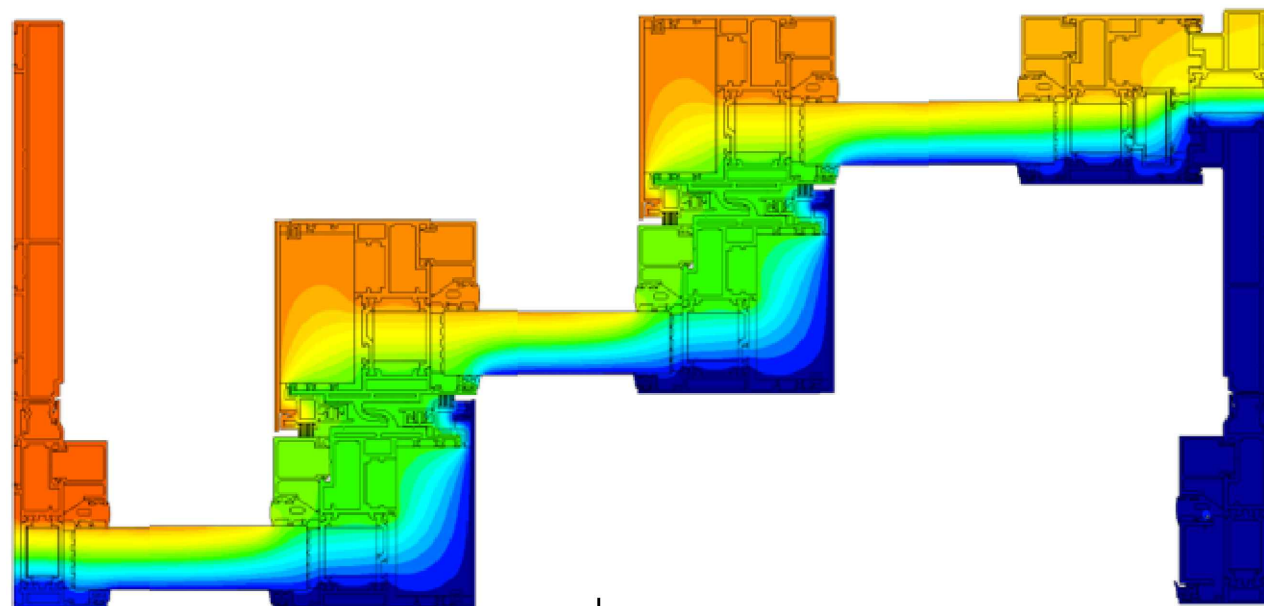
A4 Scale 1:4

R1 - 04/12/2019

9.04



Thermal conductance image
Double Track



Thermal conductance image
Triple Track

comar 7P.iLS+

U-VALUES

9

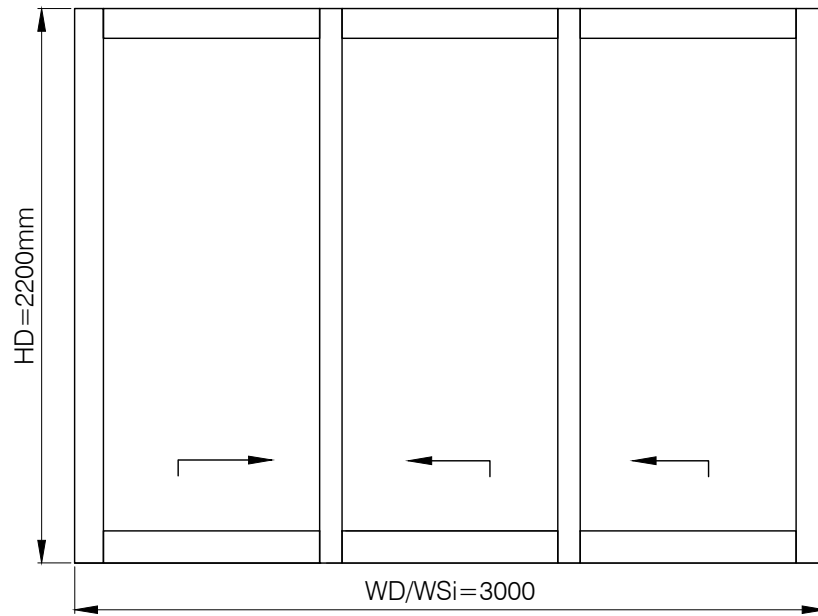


Double and Triple Track Door
Standard Interlock
U-values

A4 Scale NTS

R0 - 31/10/2017

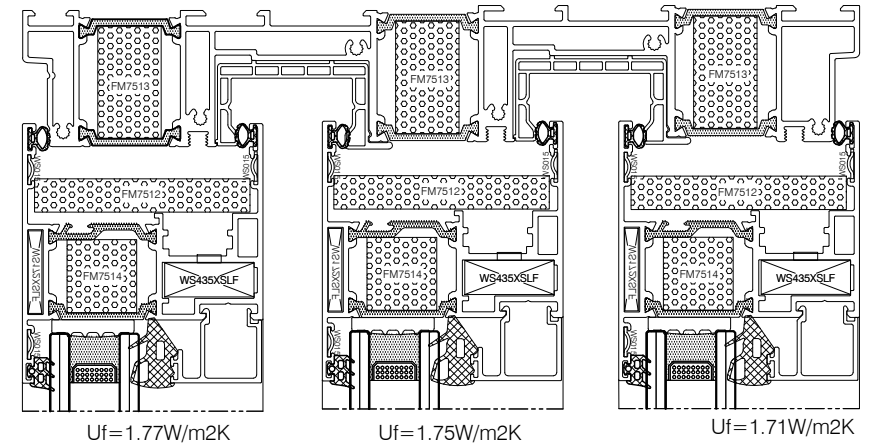
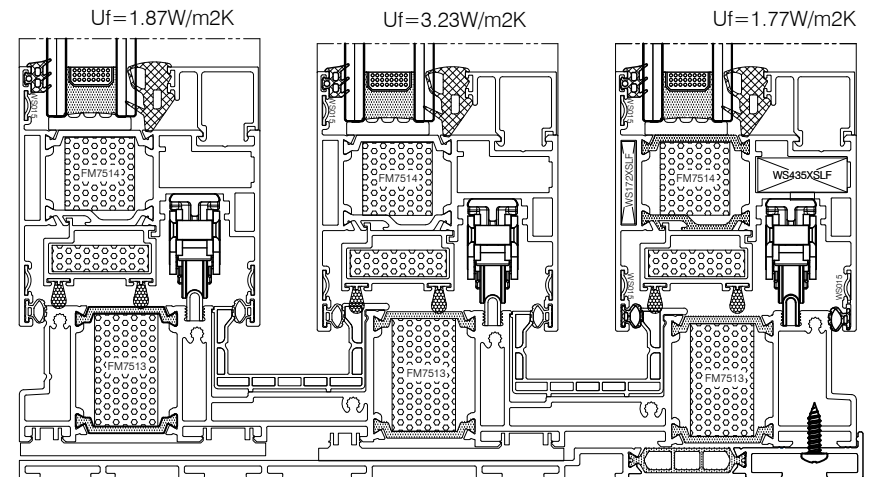
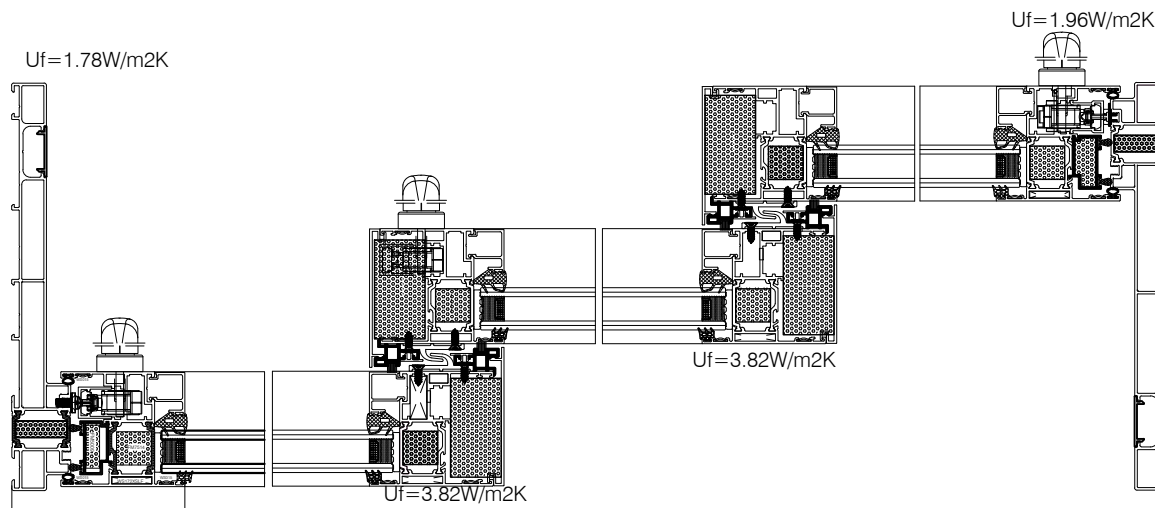
9.05



Average U-Value = $1.37\text{W/m}^2\text{K}$
U-Value calculations details:

Glass Centre Pane (U_g) = $1.0\text{W/m}^2\text{K}$
Glass Edge Spacer (ψ) = $0.03\text{W/m}^2\text{K}$

Glazing Thickness (g) = 28mm (shown)
Max Glazing Thickness = 57mm
Door size: 3000 x 2200



comar 7P.iLS+

U-VALUES

9


comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Triple Door
U-Value

A4 Scale 1:4

R0 - 04/12/2019

9.06