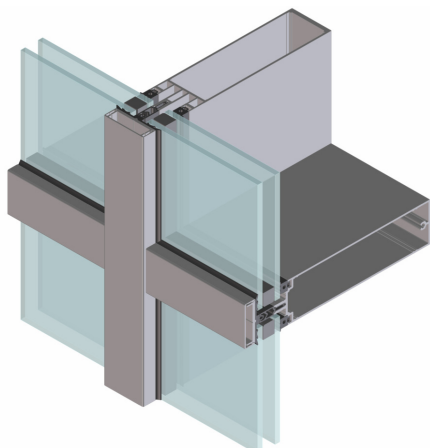
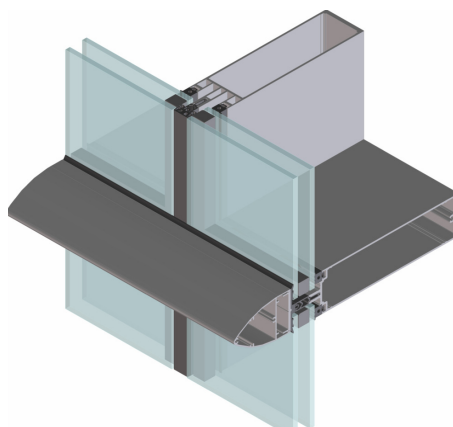


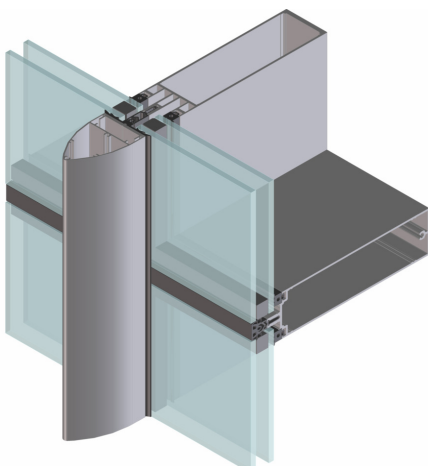
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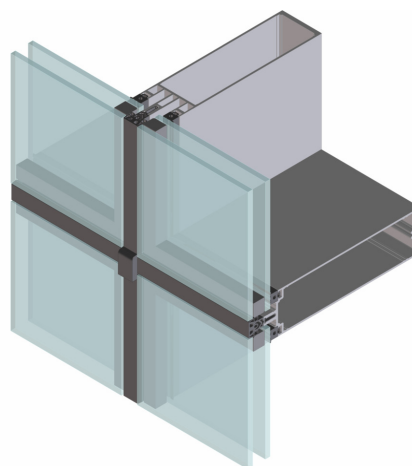
Capped



2sided SGH



2sided SGV



4sided SG

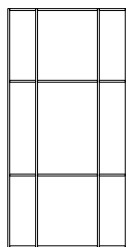
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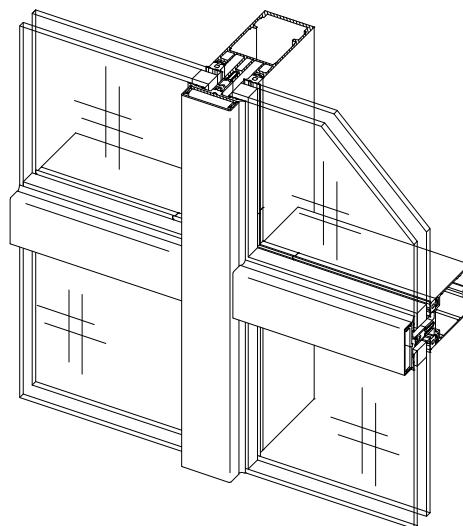
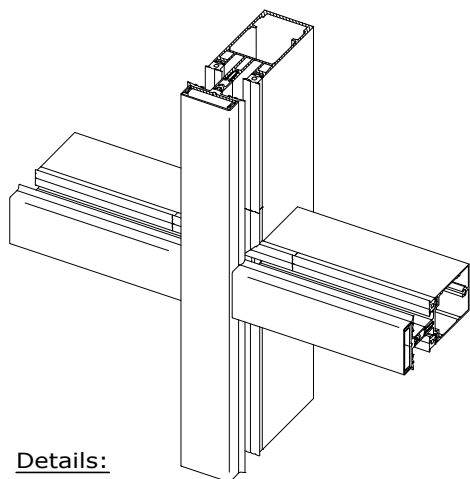
## Installation

7

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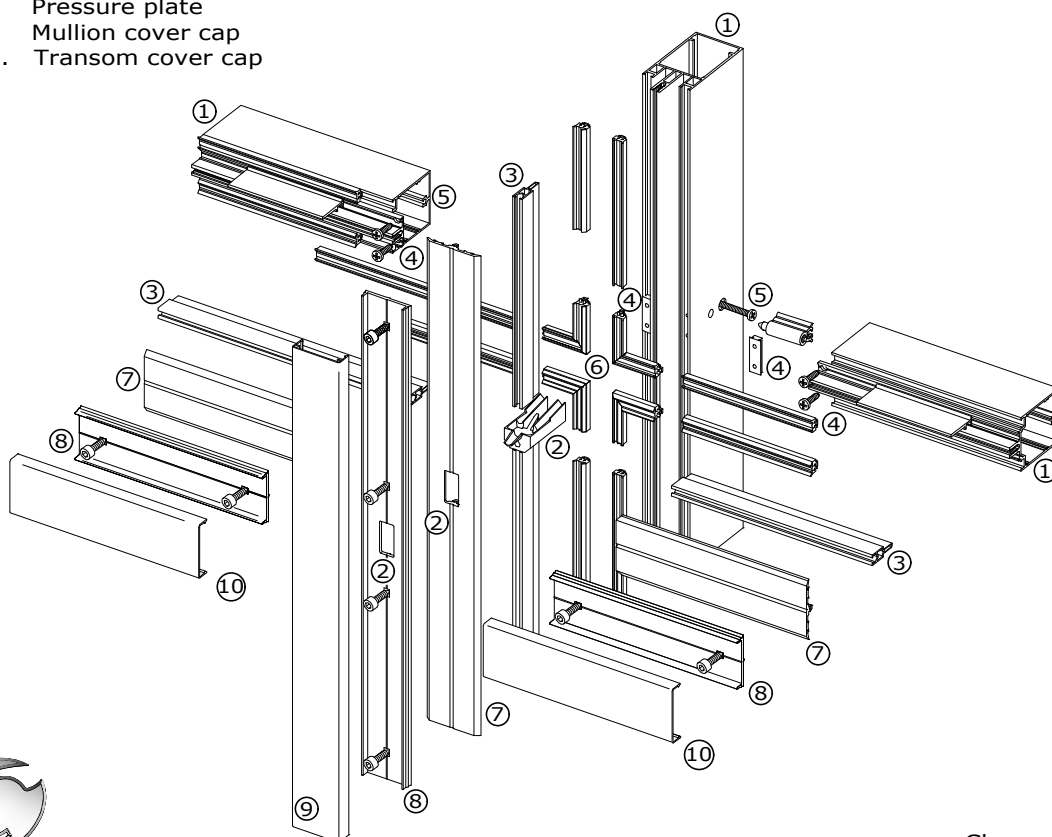


7.00

Exploded typical detail  
Fully capped

## Details:

1. One substructure for all curtain wall types (Fully Capped / 2sided SGH / 2sided SGV / 4sided SG)
2. Controlled drainage system (mullion drained) - drainage diverter
3. Thermal break
4. Mullion-Transom step-cut & sealed by EPDM moulding
5. Ladder (unit) construction or stick build
6. Moulded EPDM corners available
7. Mullion / Transom pressure plate gasket
8. Pressure plate
9. Mullion cover cap
10. Transom cover cap



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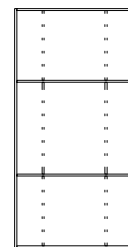
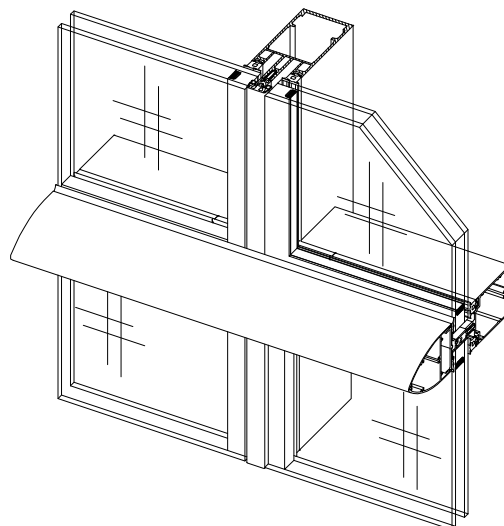
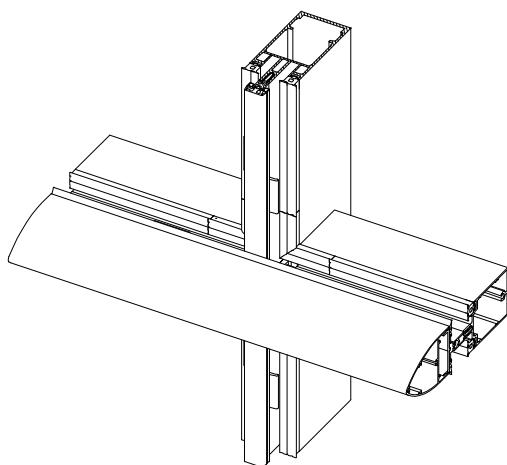


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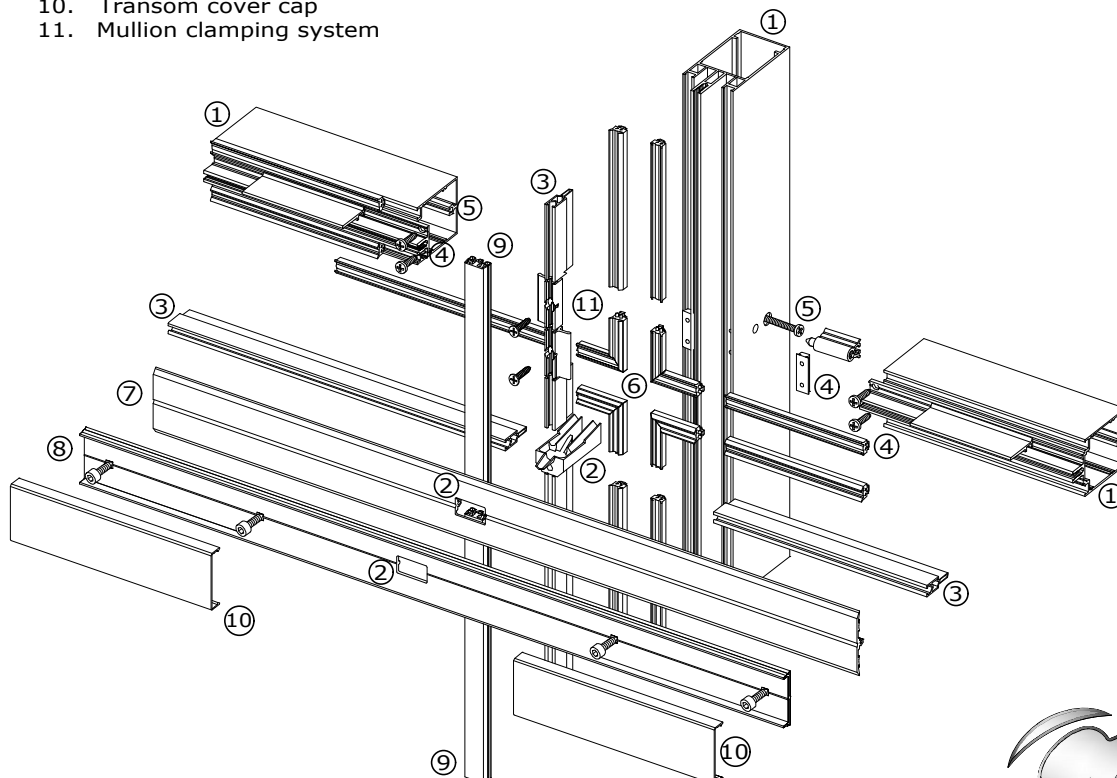
## Exploded typical details Horizontal cover cap (2sided SGH)



7.01

### Details:

1. One substructure for all curtain wall types (Fully Capped / 2sided SGH / 2sided SGV / 4sided SG)
2. Controlled drainage system (mullion drained) - drainage diverter
3. Thermal break
4. Mullion-Transom step-cut & sealed by EPDM moulding.
5. Ladder (unit) construction or stick build
6. Moulded EPDM corners available
7. Transom pressure plate gasket
8. Transom pressure plate
9. Mullion joint gasket
10. Transom cover cap
11. Mullion clamping system



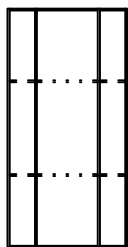
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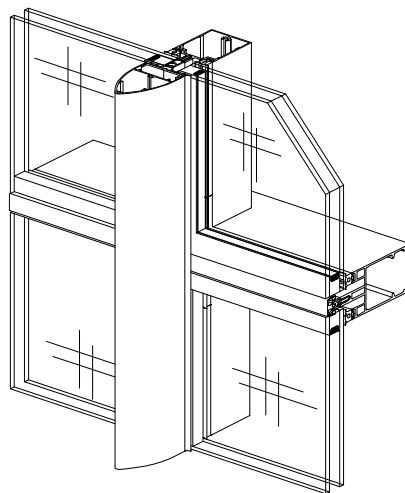
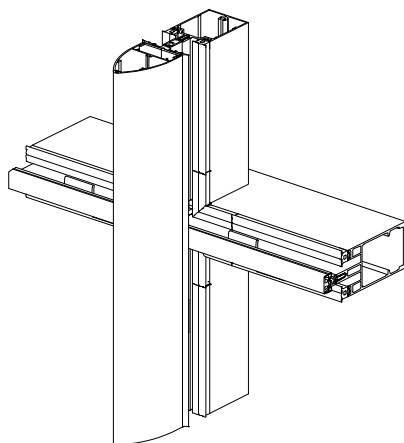
## Installation

7

## Comar 6EFT

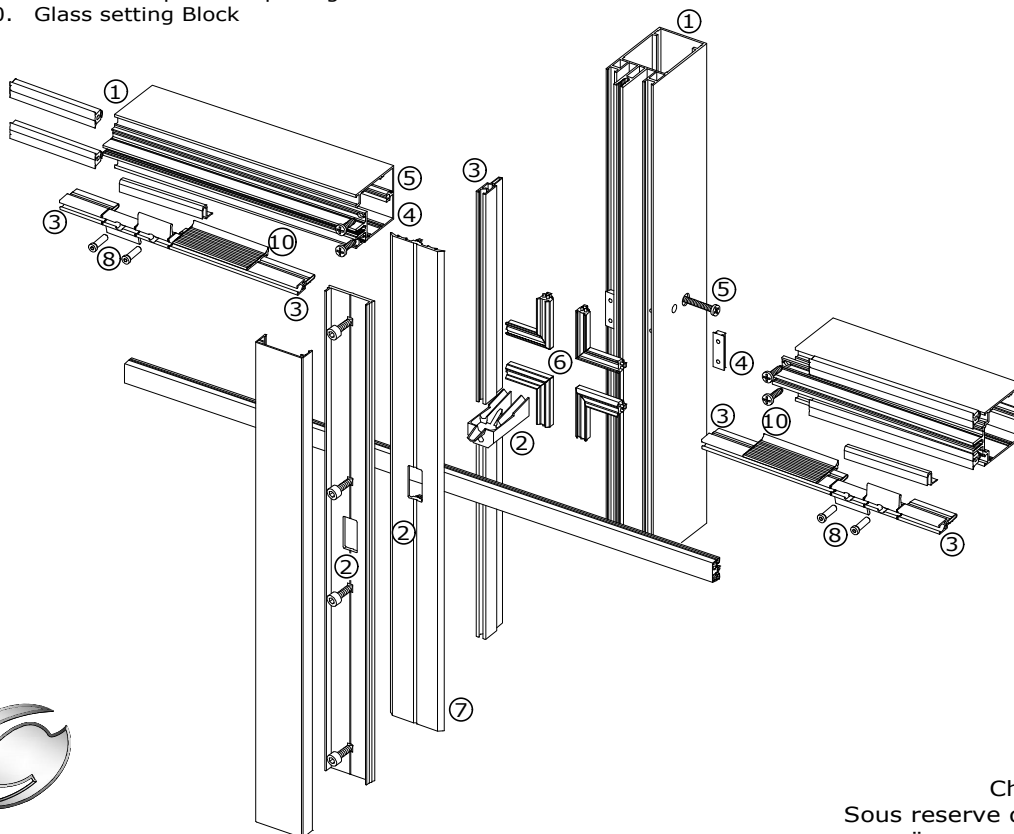


7.02

Exploded typical detail  
Vertical cover cap  
(2 Sided SGV)

## Details:

1. One substructure for all curtain wall types, Fully Capped, 2sided SGH, 2sided SGV & 4sided SG.
2. Controlled drainage system (mullion drained) drainage diverter
3. Thermally broken.
4. Mullion-Transom step-cut & sealed by EPDM moulding.
5. Ladder (unit) construction or stick build.
6. Moulded EPDM corners available.
7. Continuous pressure plate gasket.
8. Glazing clamping system into DG unit.
9. Continuous pressure plate gasket.
10. Glass setting Block



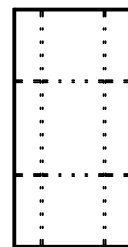
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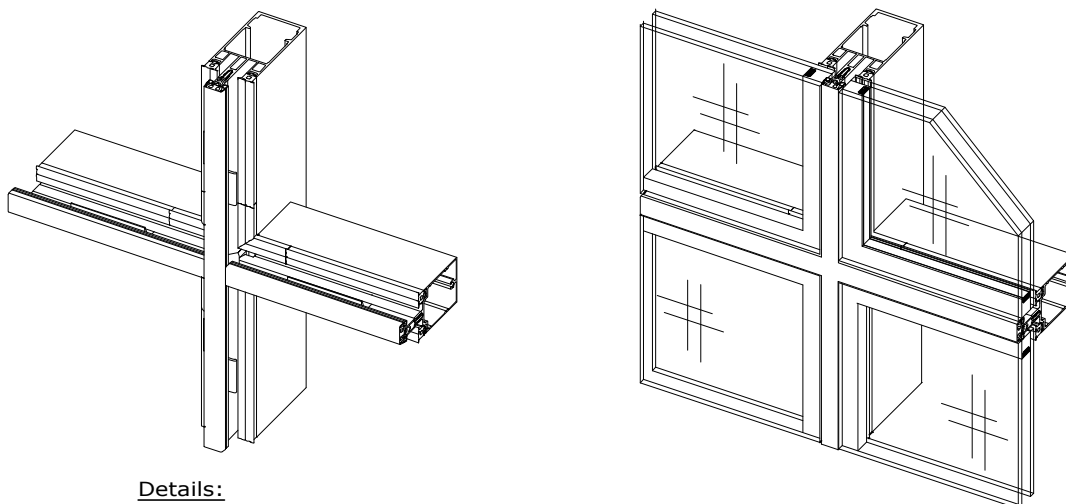
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## Exploded typical details Four sided structural EFT (4sided SG)

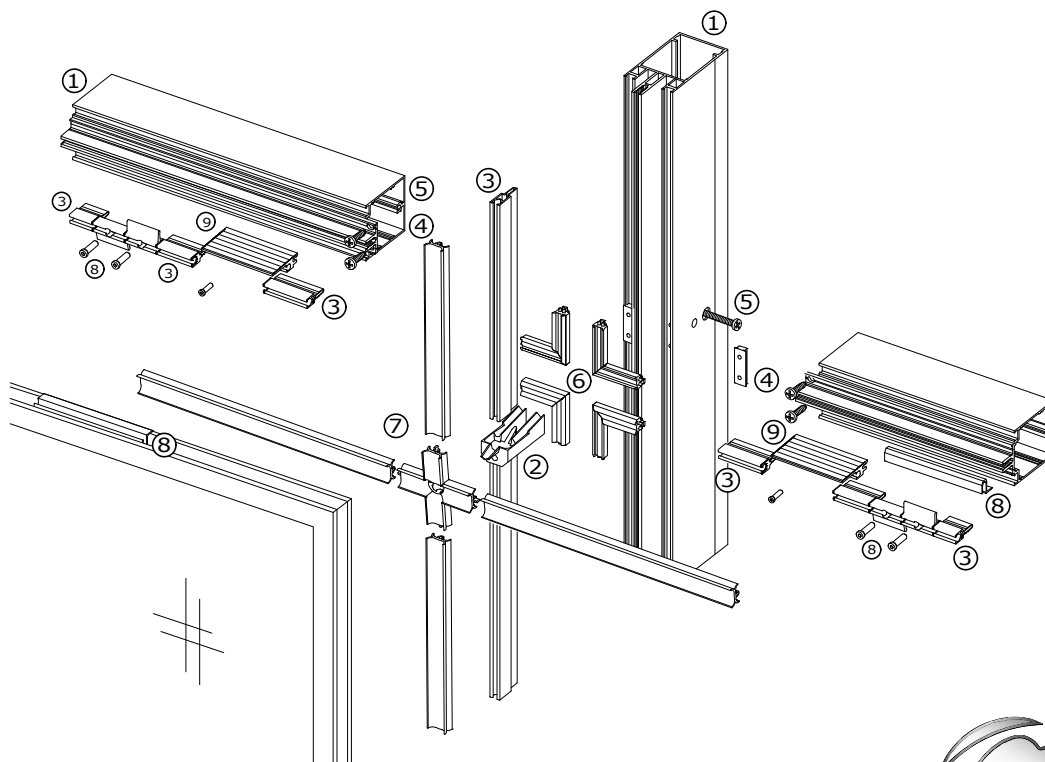


7.03



### Details:

1. One substructure for all curtain wall types, Fully Capped, 2sided SGH, 2sided SGV & 4sided SG.
2. Controlled drainage system (mullion drained) drainage diverter/cover
3. Thermally broken.
4. Mullion-Transom step-cut & sealed by EPDM gasket.
5. Ladder (unit) construction or stick build.
6. Moulded EPDM corners available.
7. Joint cruciform gasket.
8. Glazing clamping system into DG unit.
9. Glass setting block



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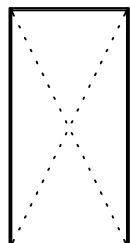
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# Installation

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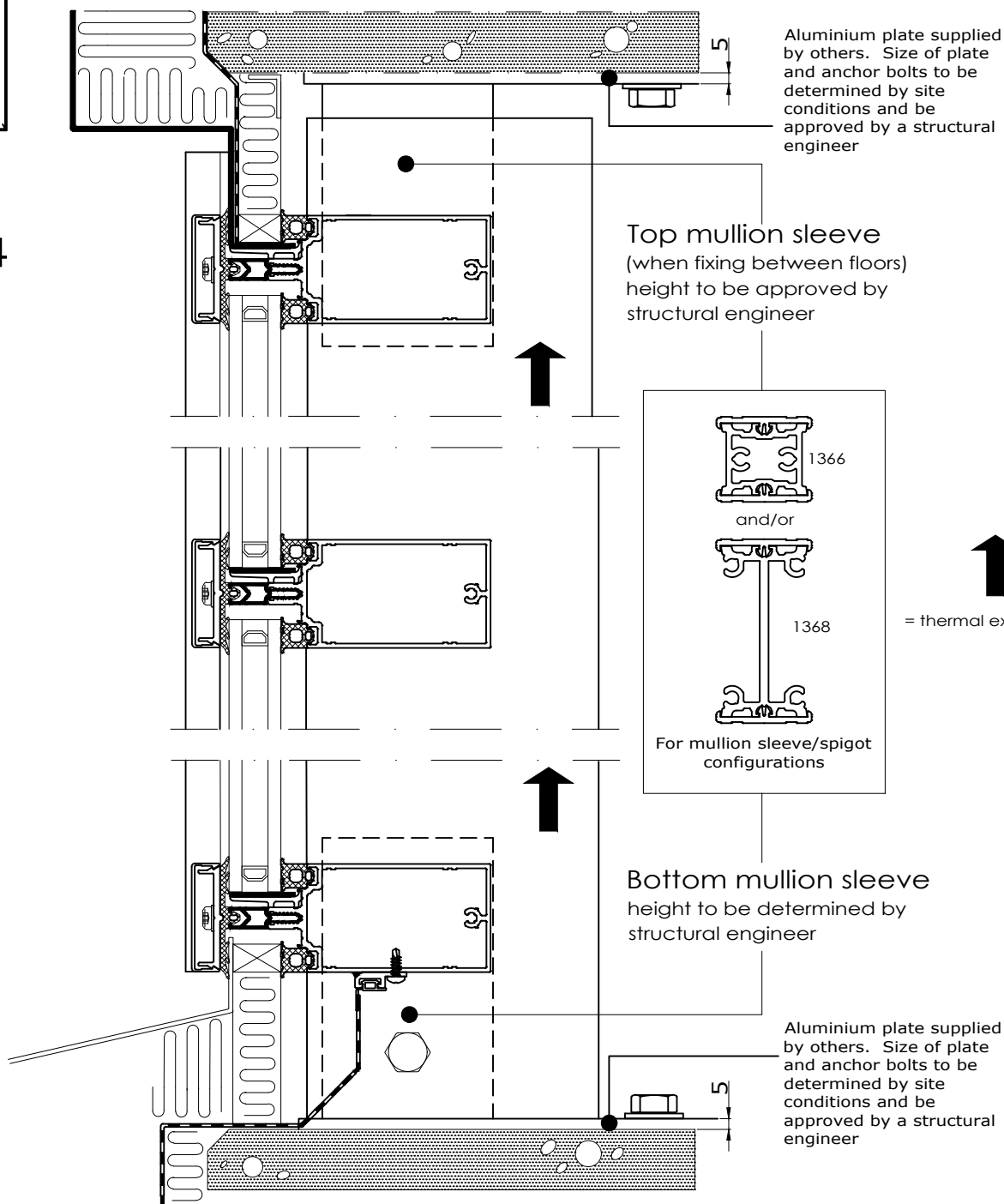
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### Fixed between floors



7.04

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\* Standing Construction \*

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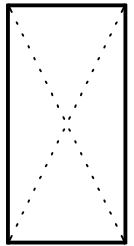


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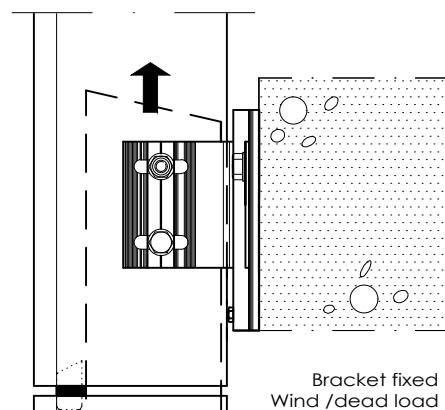
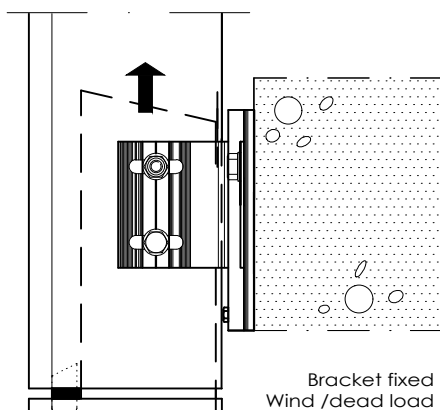
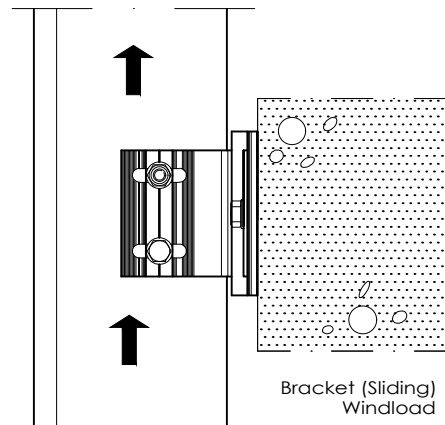
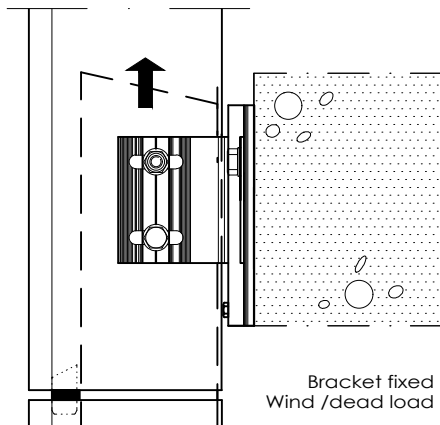
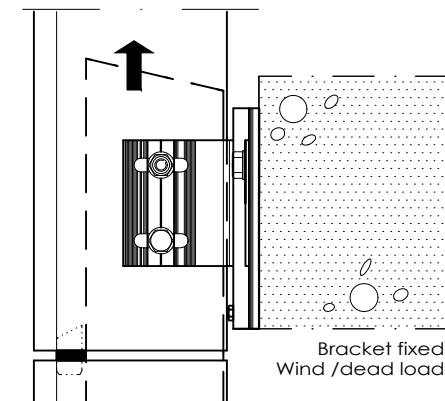
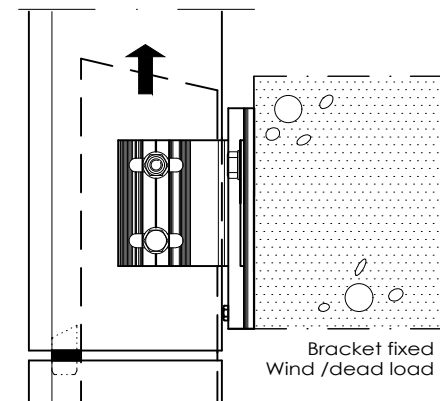
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## Brackets &amp; Couplings



7.05

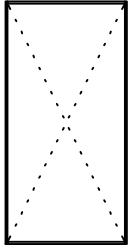
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Single Field Span

Two Field Span

\* Propped Construction \*



7.06



\* Hanging Construction \*

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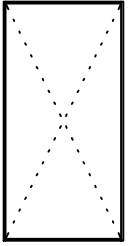


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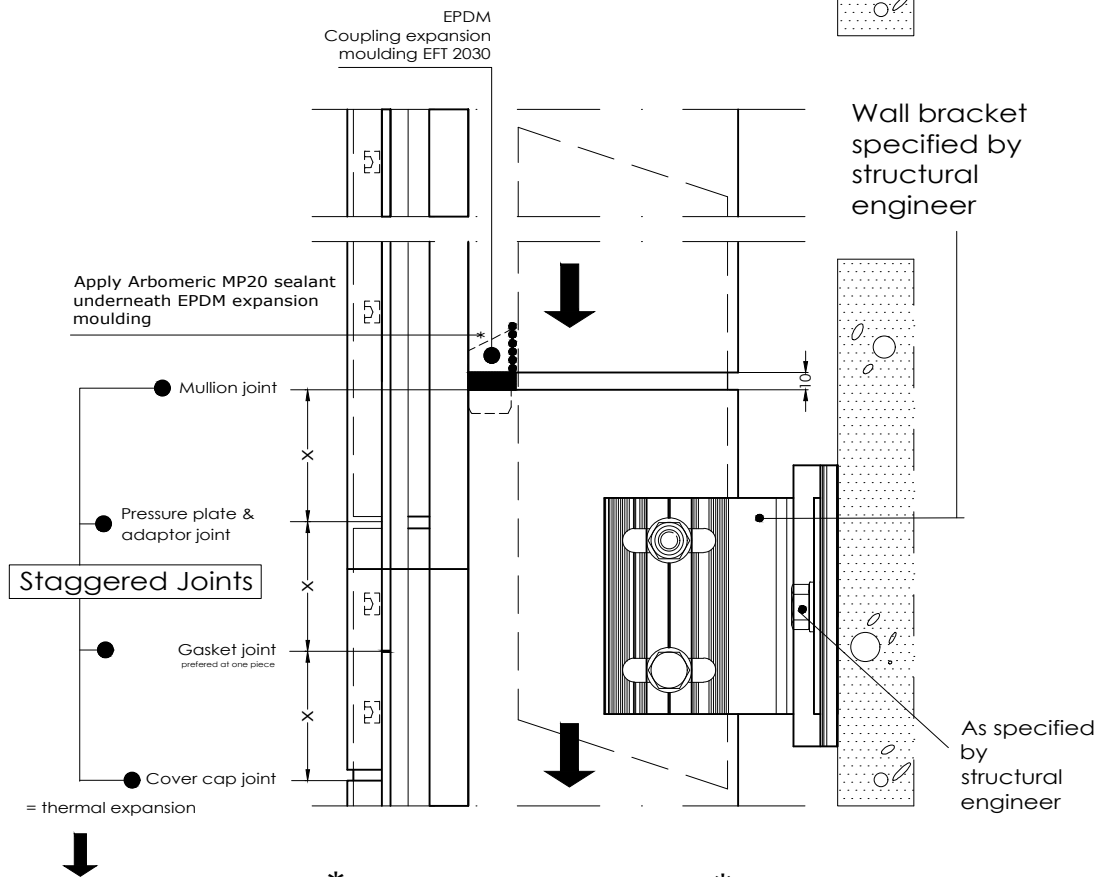
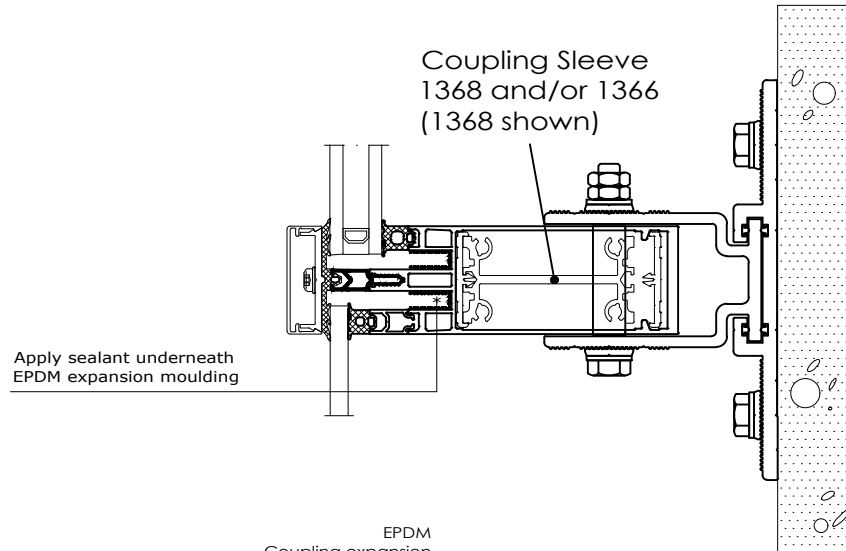
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## Brackets & Coupling

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7.07



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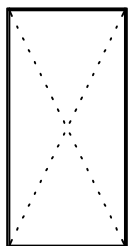
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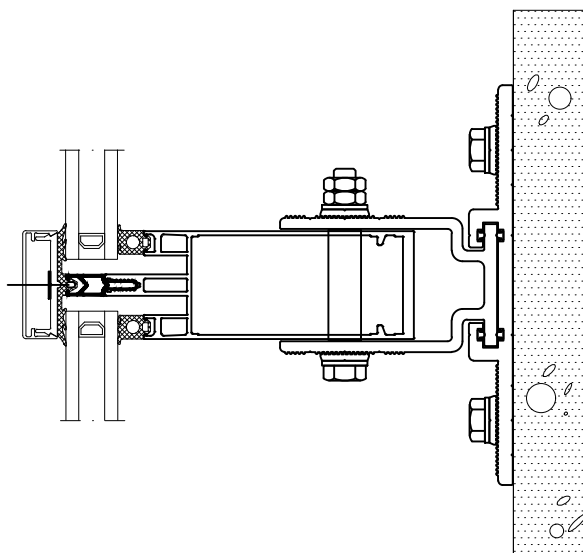
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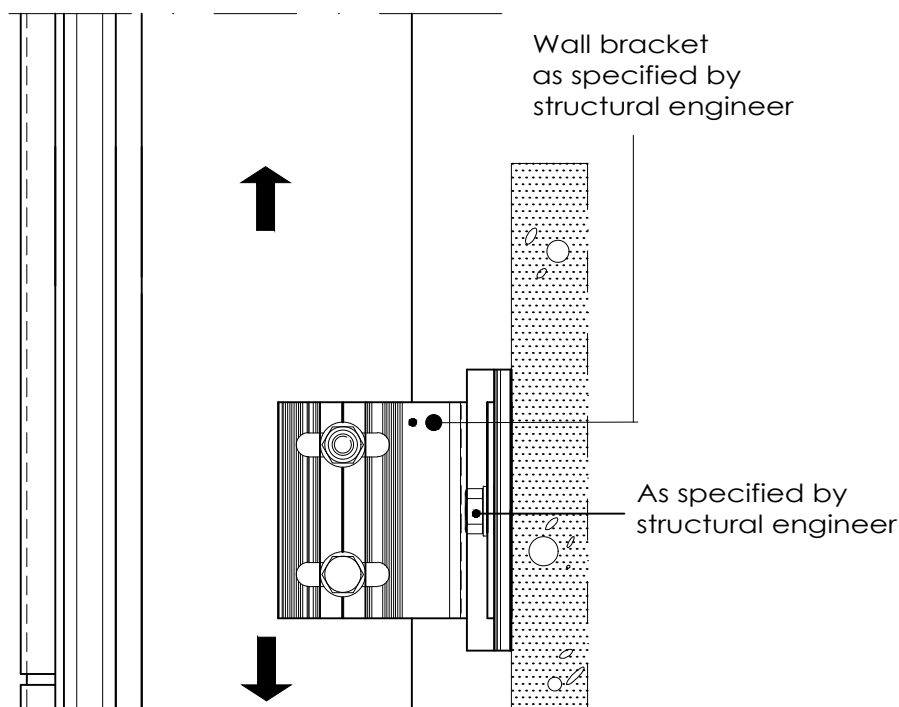
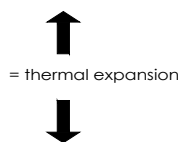
Brackets & coupling



7.08



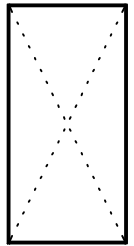
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\* Sliding bracket \*

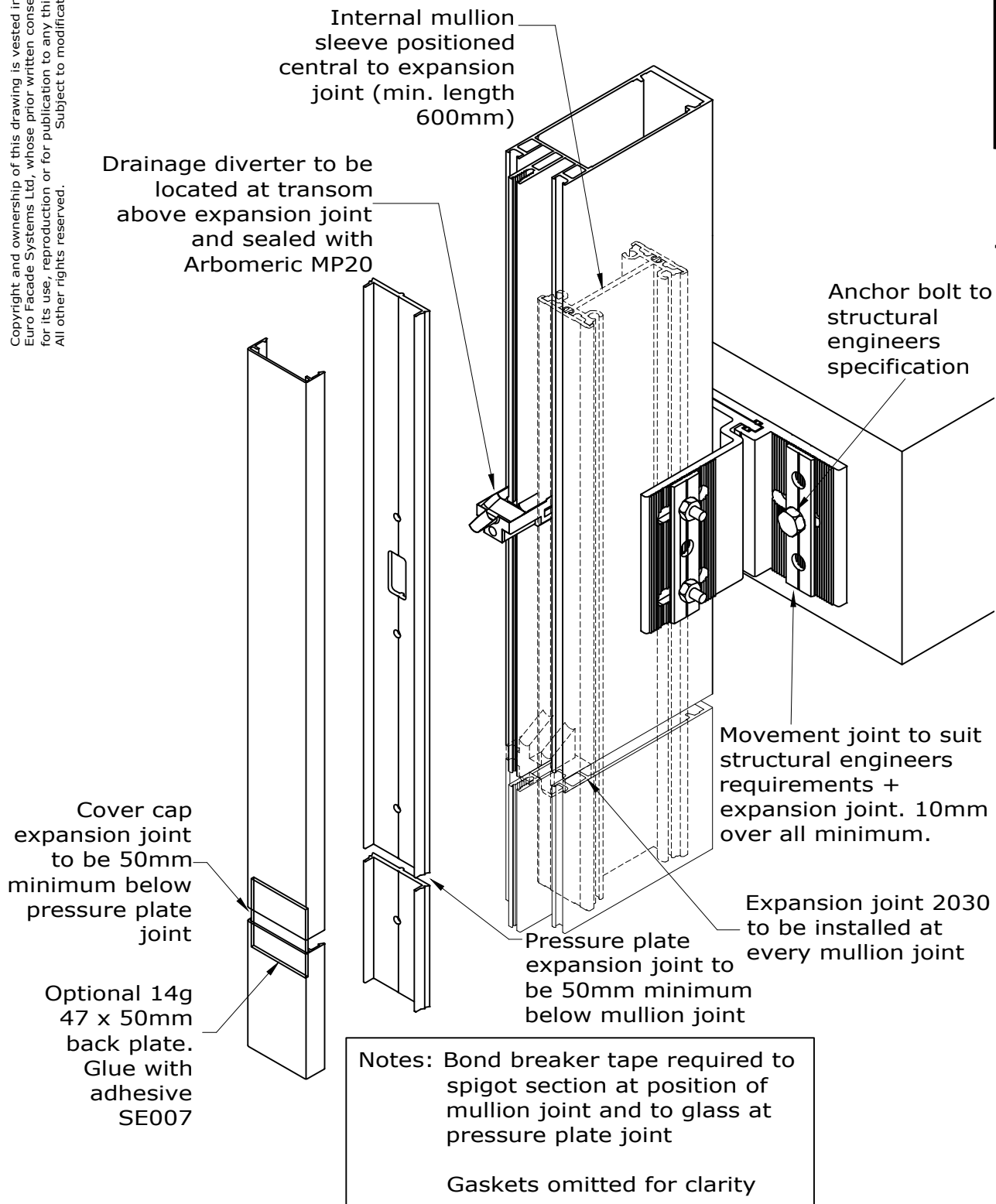
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## Mullion movement joint preparation



7.09

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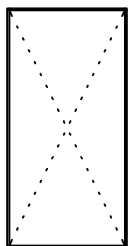
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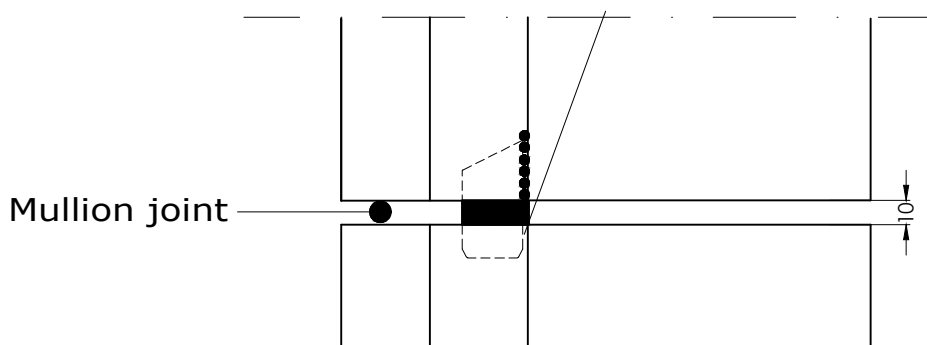


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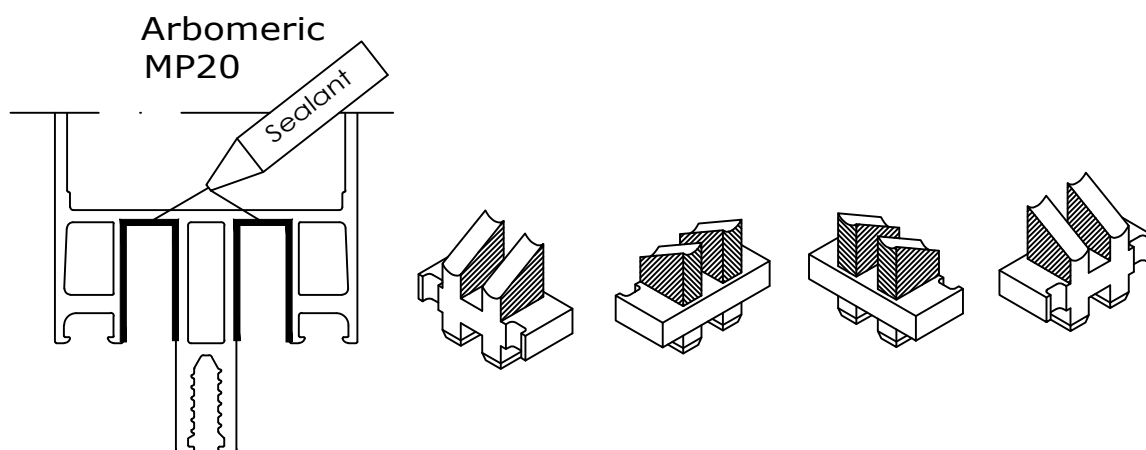




### 7.10



Sealant to be applied at drainage channel in the upper mullion to all shown edges so the mullion coupling is sealed on all sides.

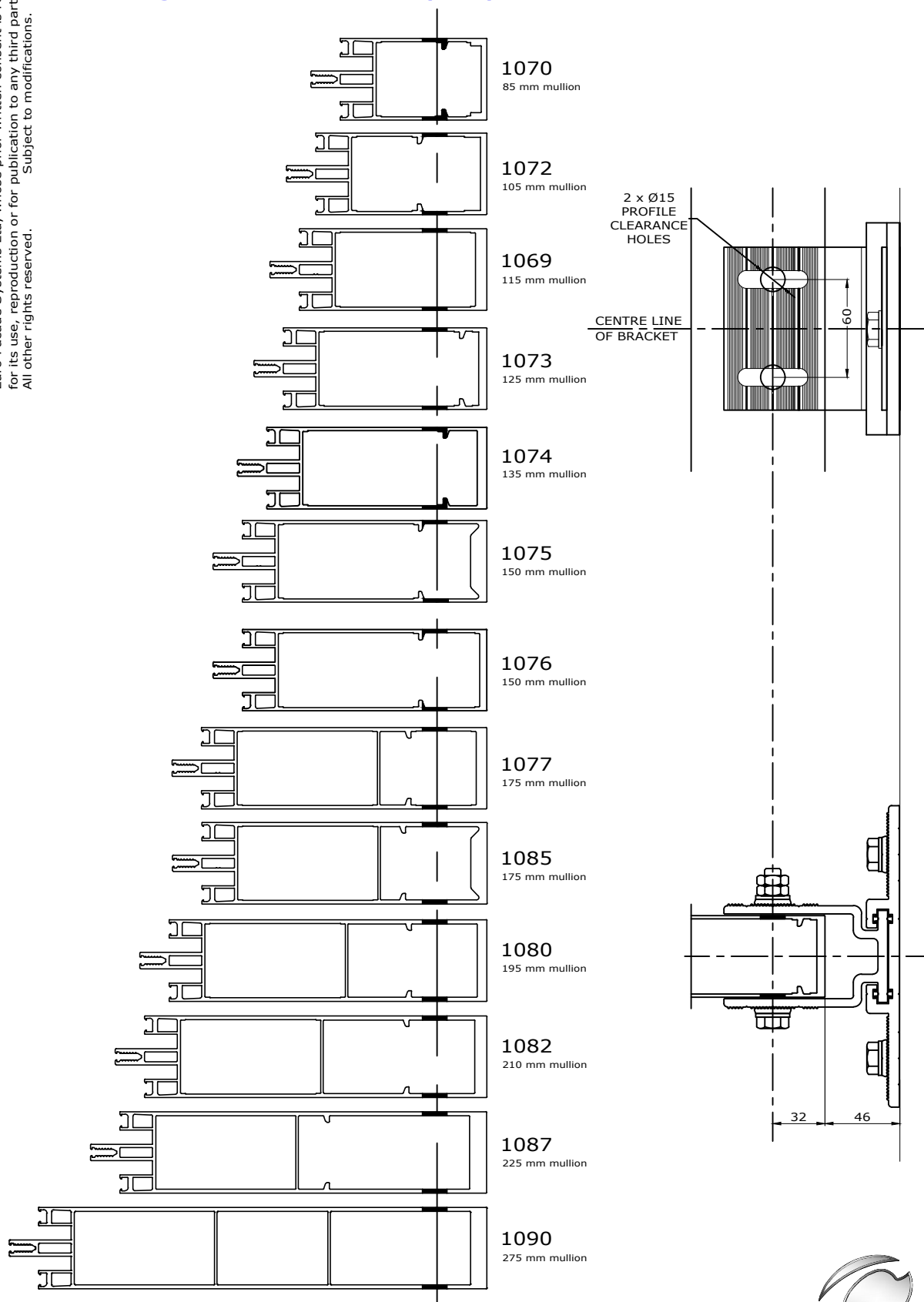


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## Fixing bracket hole preparation



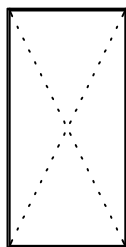
7.11



## Installation

7

## Comar 6EFT

Fixing bracket instructions  
Page 1

7.12

- 1 Back Plate
- 2 Guide Strip
- 3 Sleeve Channel
- 4 Bearing Tube
- 5 Locking Plate
- 6 Anchor bolts & nuts

Fit anchor bolts (6) specified by your structural engineer to the structure.

Offer the back plate (1) to the structure and line up to the center of the mullion and about the center of the mullions pre-drilled fixing holes.

Secure the back plate (1) with the locking plates (5) and the anchor bolt nuts (6) as shown.

To aid insertion of the sleeve channel fit the glide strips (2) into the back plate (1) leaving them proud by 5 to 6 mm and open out the ends as shown.

Insert the bearing tubes (4) into the mullion profiles pre-drilled holes (See page 7.17)

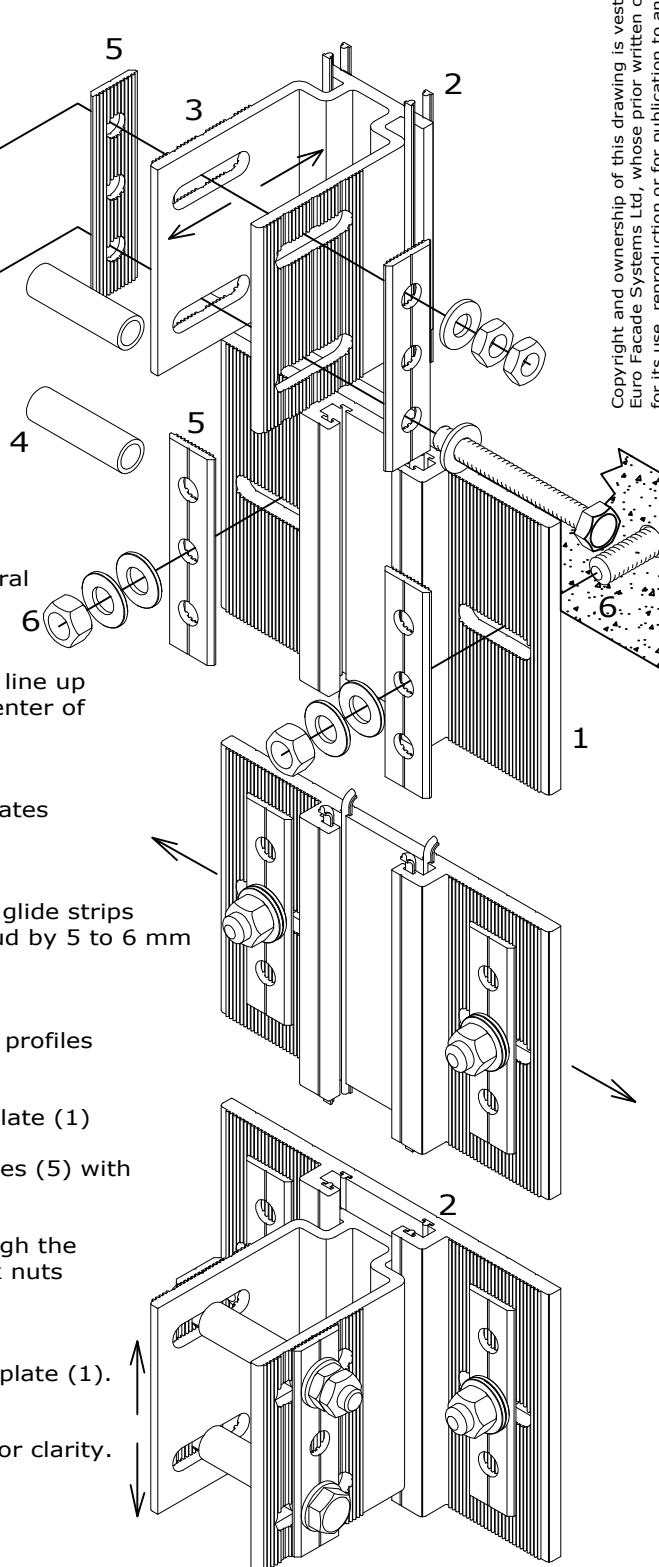
Insert the sleeve channel (3) into the back plate (1)

Align the sleeve channel (3) and locking plates (5) with the pre-drilled holes in the mullion.

Insert the fixings one in each direction through the mullion and bracket and secure with the lock nuts upon alignment of the mullion.

Insert the glide strips (2) fully into the back plate (1).

Mullion not shown for clarity.



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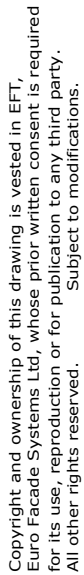


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## 7.13



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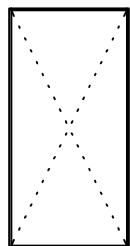
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# Installation

7

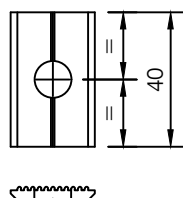
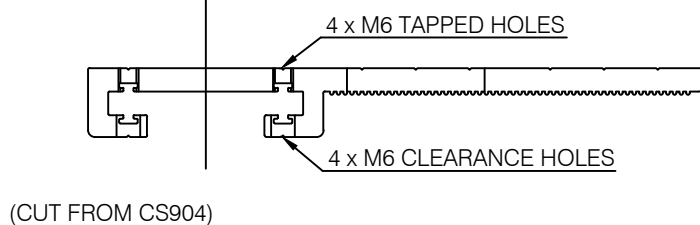
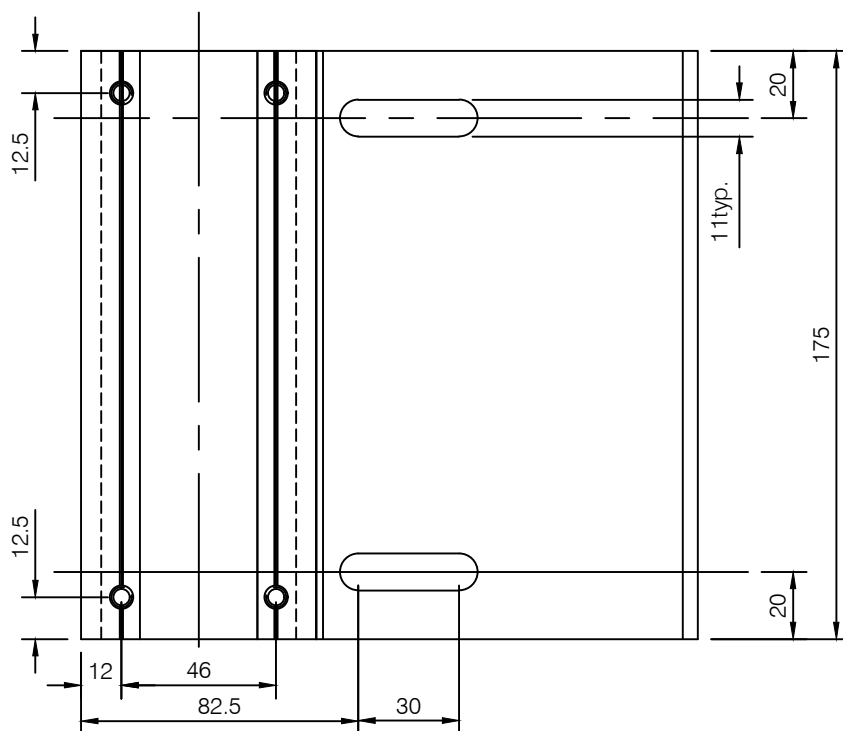
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## Wall fixing bracket (jamb) CW671 Page 1

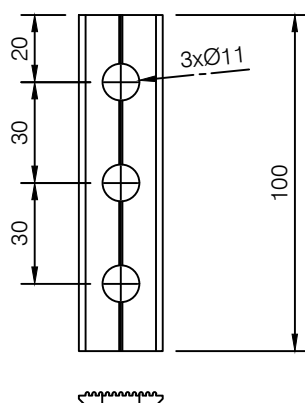


7.14

Fabricators Guide



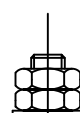
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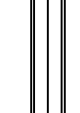
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2 No. M6x20mm SCREWS  
FX676XSFL



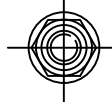
4 No. M10 Locking Nuts.  
FX673XSFL



2 No. M10 x 90mm Hex Head Bolts.  
FX672XSFL



4 No. M10 Nylon Washers.  
FX674XSFL



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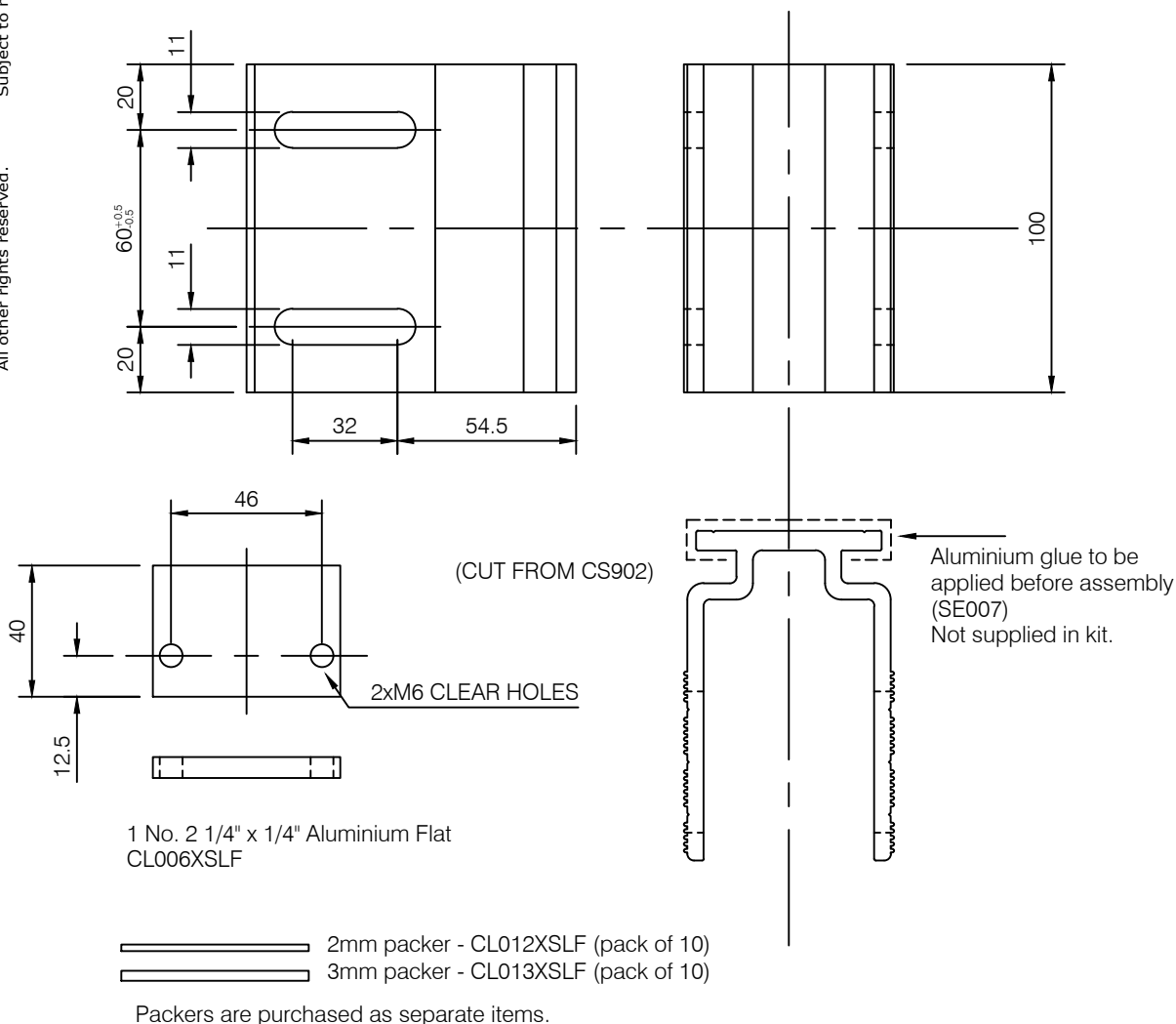
# Wall fixing bracket instructions (jamb) CW671 Page 2

Comar 6EFT



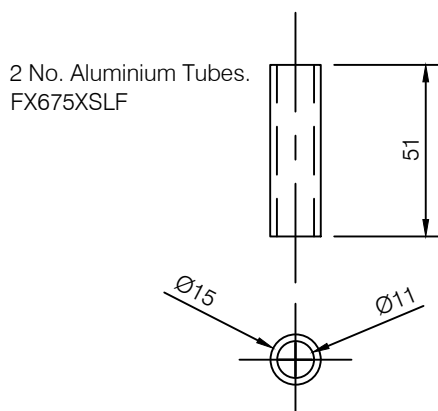
7.15

Fabricators Guide



## KIT COMPRISES

- 1 No. CS901 Component
- 1 No. CS902 Component
- 4 No. CS903 Components
- 1 No. Aluminium Flat. CL006XSFLF
- 2 No. Aluminium Tubes. FX675XSFLF
- 4 No. M10 Locking Nuts. FX673XSFLF
- 2 No. M10 x 90mm Hex Head Bolts. FX672XSFLF
- 4 No. M10 Nylon Washers. FX674XSFLF
- 2 No. M6 x 20mm Screws. FX676XSFLF

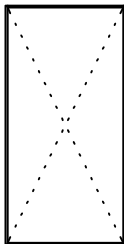


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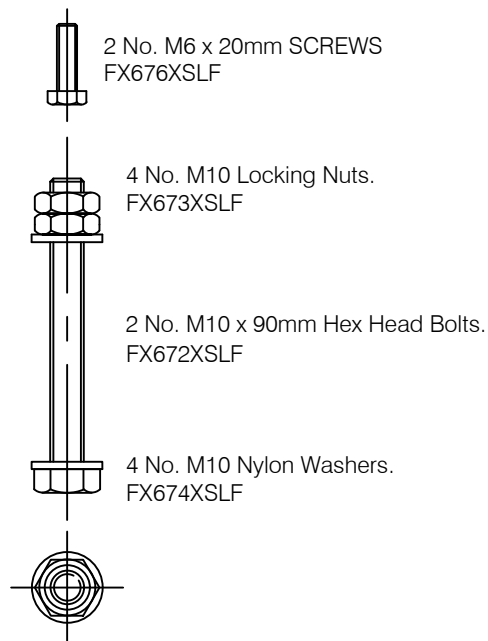
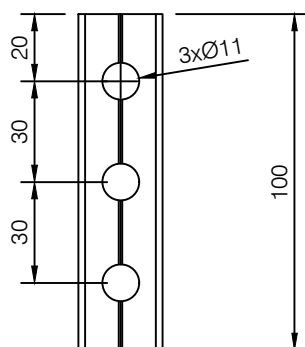
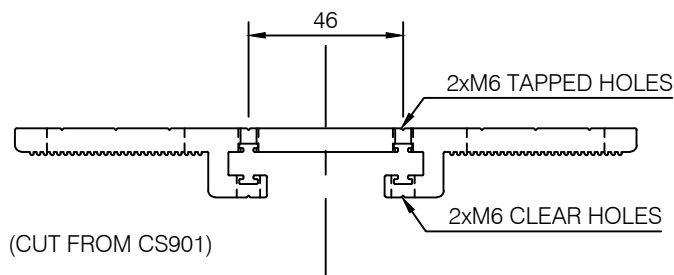
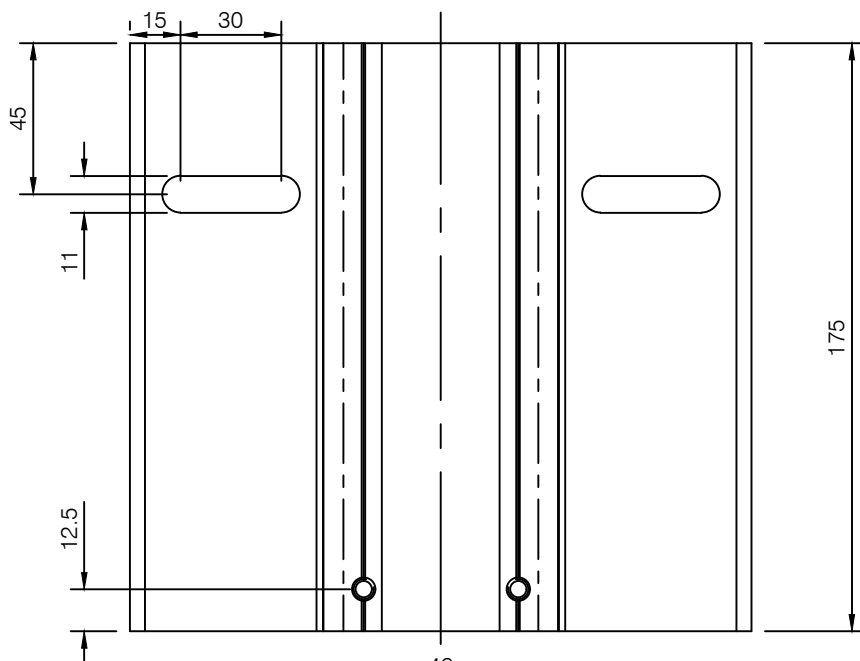
Installation 7

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7.16

Wall fixing bracket  
(intermediate) CW672  
Page 1



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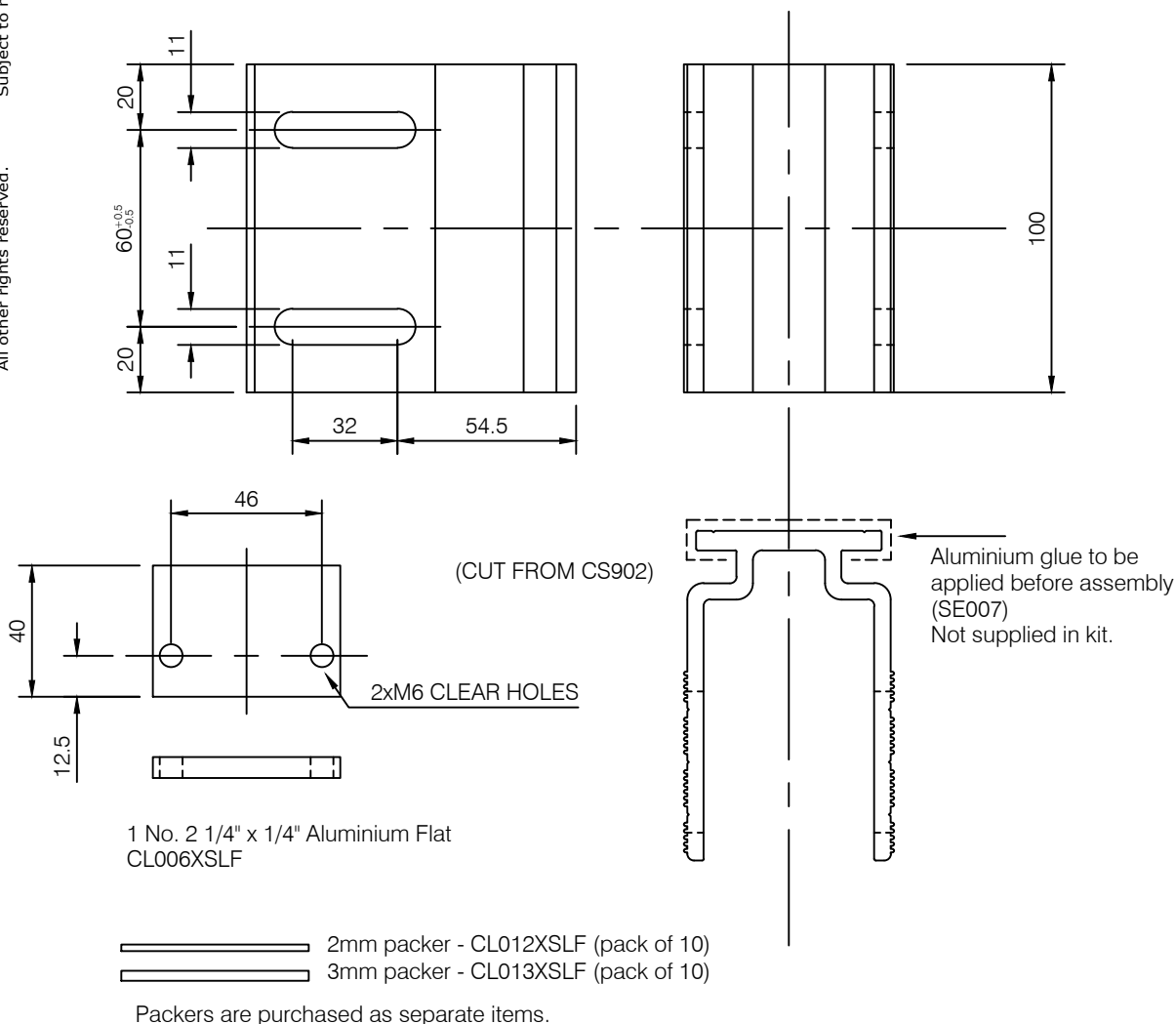
# Wall fixing bracket instructions (intermediate) CW672 Page 2

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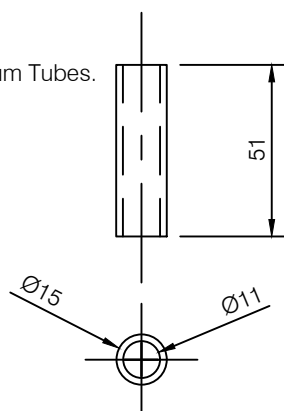


7.17

Fabricators Guide



2 No. Aluminium Tubes.  
FX675XSFL



## KIT COMPRISES

- 1 No. CS901 Component
- 1 No. CS902 Component
- 4 No. CS903 Components
- 1 No. Aluminium Flat. CL006XSFL
- 2 No. Aluminium Tubes. FX675XSFL
- 4 No. M10 Locking Nuts. FX673XSFL
- 2 No. M10 x 90mm Hex Head Bolts. FX672XSFL
- 4 No. M10 Nylon Washers. FX674XSFL
- 2 No. M6 x 20mm Screws. FX676XSFL

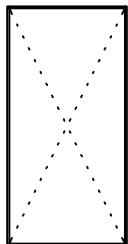
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# Installation

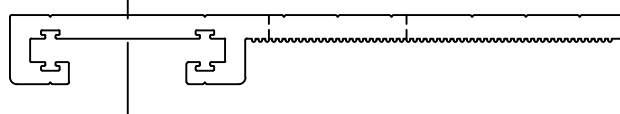
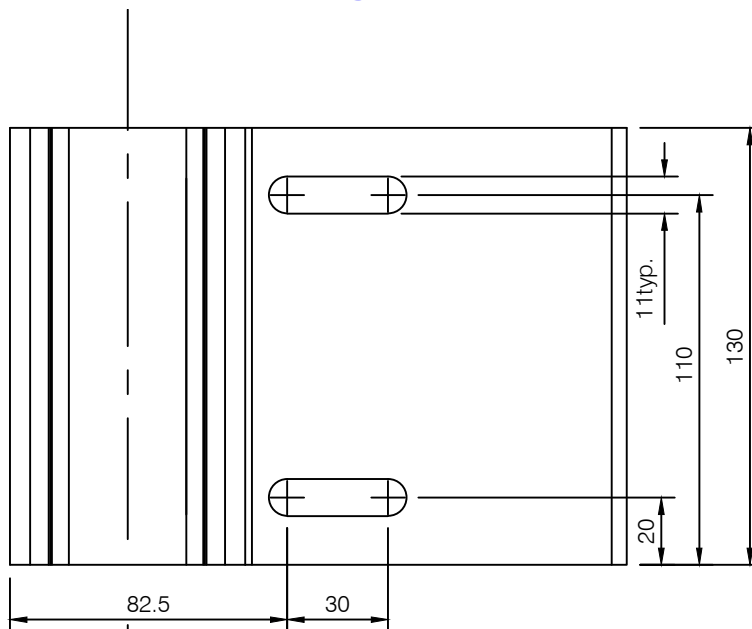
7

Comar 6EFT

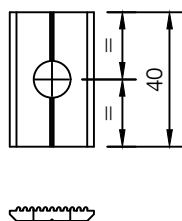


7.18

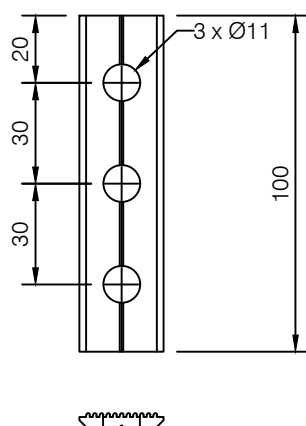
Wall sliding bracket  
(jamb) CW673  
Page 1



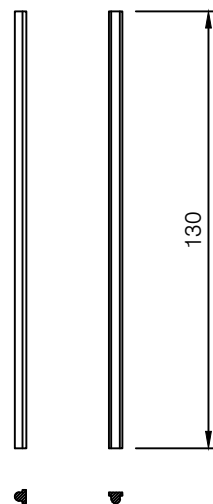
(CUT FROM CS904)



(CUT FROM CS903)



(CUT FROM CS903)

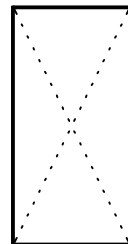


4 No. Req'd cut from GK055.  
These items are not supplied in the kit.

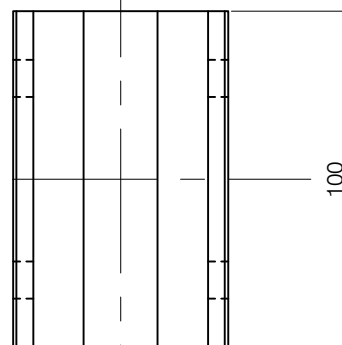
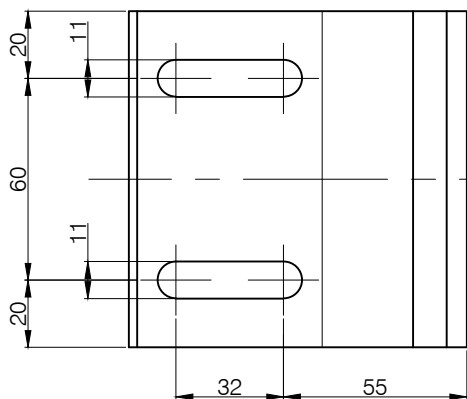
# Wall fixing bracket (jamb) CW673

## Page 2

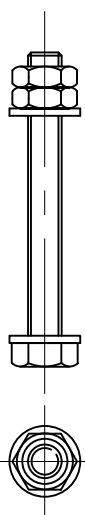
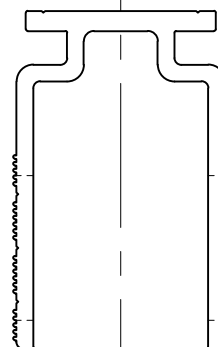
Comar 6EFT



7.19



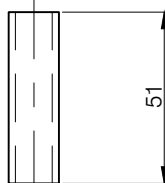
(CUT FROM CS902)



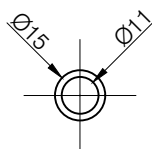
4 No. M10 Locking Nuts.  
FX673XSLF

2 No. M10 x 90mm Hex Head Bolts.  
FX672XSLF

4 No. M10 Nylon Washers.  
FX674XSLF



2 No. Aluminium Tubes.  
FX675XSLF



### KIT COMPRISES

- 1 No. CS901 Component
- 1 No. CS902 Component
- 4 No. CS903 Components
- 2 No. Aluminium Tubes. FX675XSLF
- 4 No. M10 Locking Nuts. FX673XSLF
- 2 No. M10 x 90mm Hex Head Bolts. FX672XSLF
- 4 No. M10 Nylon Washers. FX674XSLF

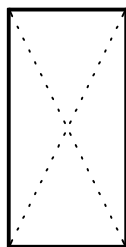
Fabricators Guide

Changes reserved  
Sous reserve de modifications  
Änderungen vorbehalten

Issue: 05  
Date: 10-16

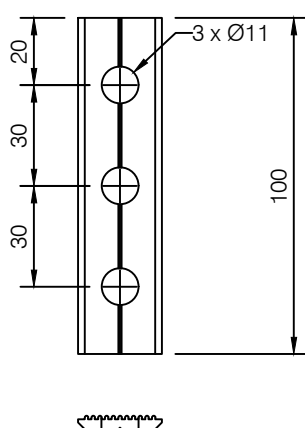
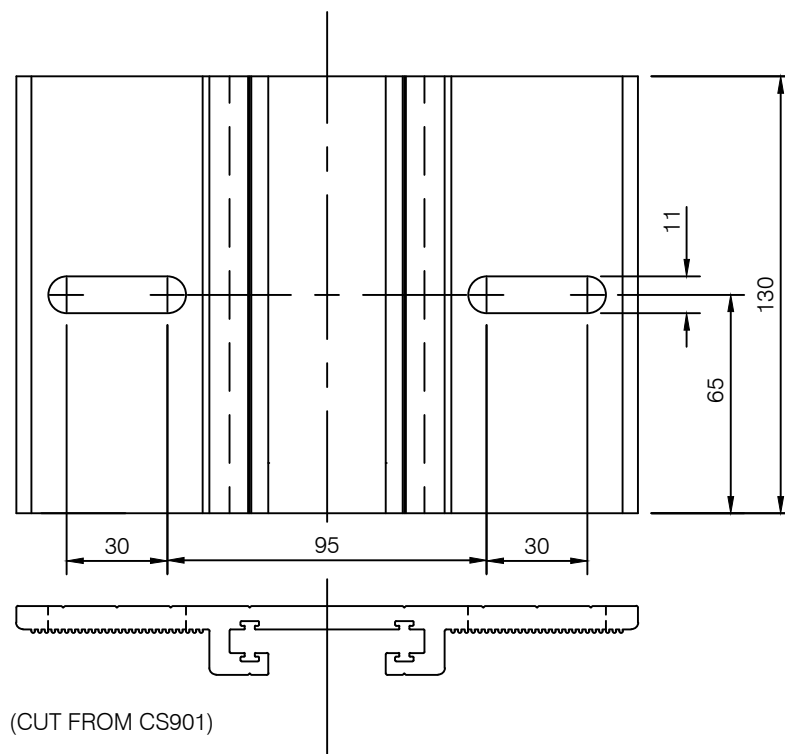
# Installation 7

Comar 6EFT

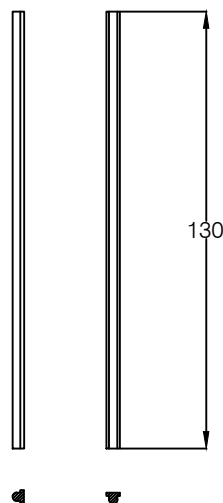


7.20

Wall sliding bracket  
(intermediate) CW674  
Page 1



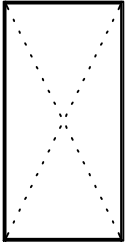
(CUT FROM CS903)



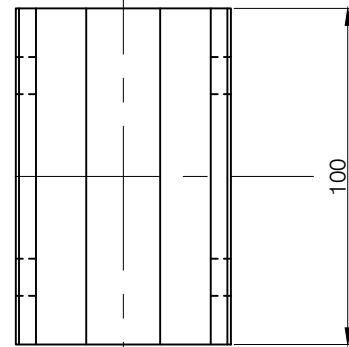
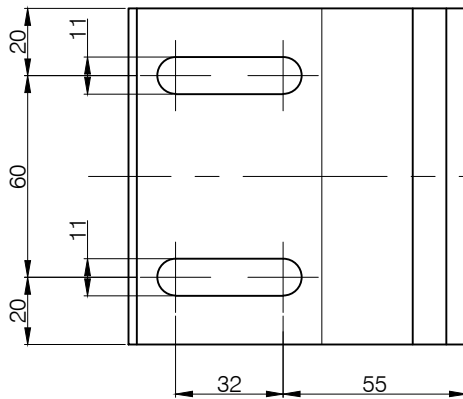
4 No. Req'd cut from GK055.  
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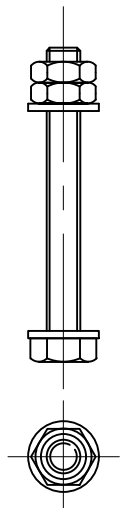
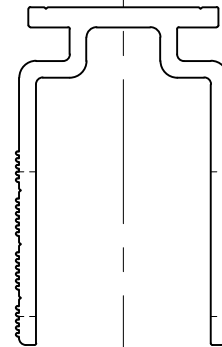
# Wall fixing bracket (intermediate) CW674 Page 2



7.21



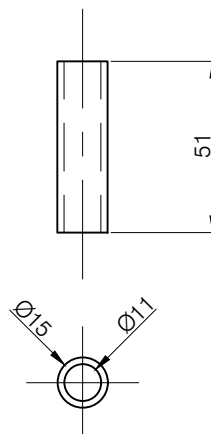
(CUT FROM CS902)



4 No. M10 Locking Nuts.  
FX673XSLF

2 No. M10 x 90mm Hex Head Bolts.  
FX672XSLF

4 No. M10 Nylon Washers.  
FX674XSLF



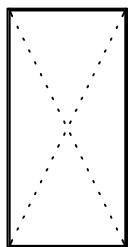
2 No. Aluminium Tubes.  
FX675XSLF

## KIT COMPRISES

- 1 No. CS901 Component
- 1 No. CS902 Component
- 4 No. CS903 Components
- 2 No. Aluminium Tubes. FX675XSLF
- 4 No. M10 Locking Nuts. FX673XSLF
- 2 No. M10 x 90mm Hex Head Bolts. FX672XSLF
- 4 No. M10 Nylon Washers. FX674XSLF

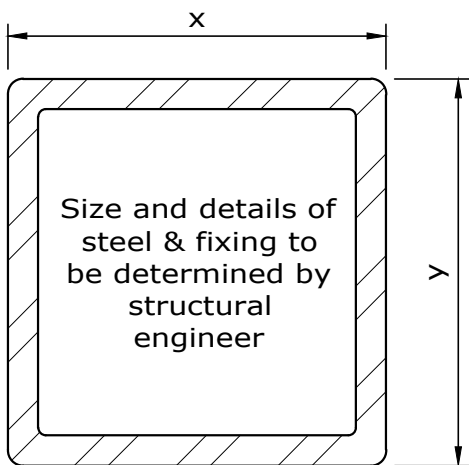
# Profile Sections 7

## Comar 6EFT

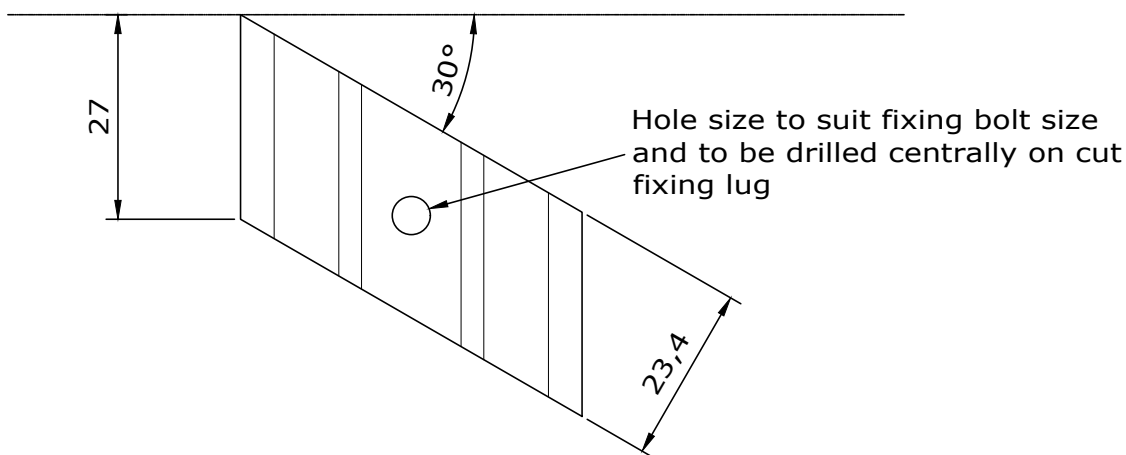
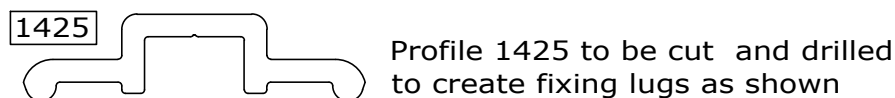
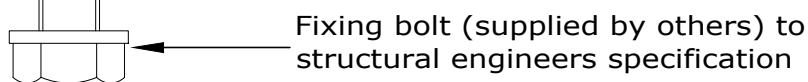
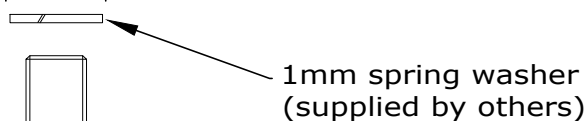
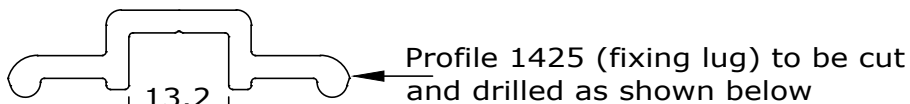


7.22

Direct fix to steel  
fixing lug preparation

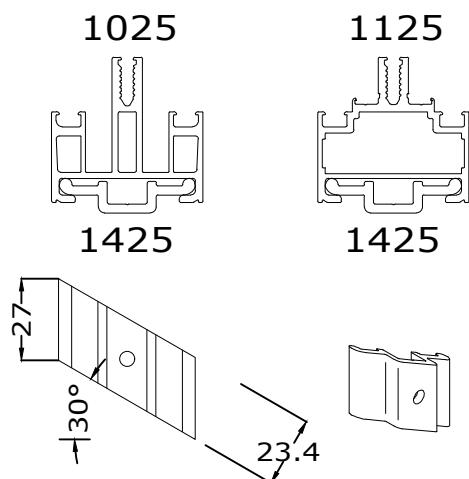


Aluminium to steel isolator  
(supplied by others)



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## Direct fix to steel Fixing lug spacing



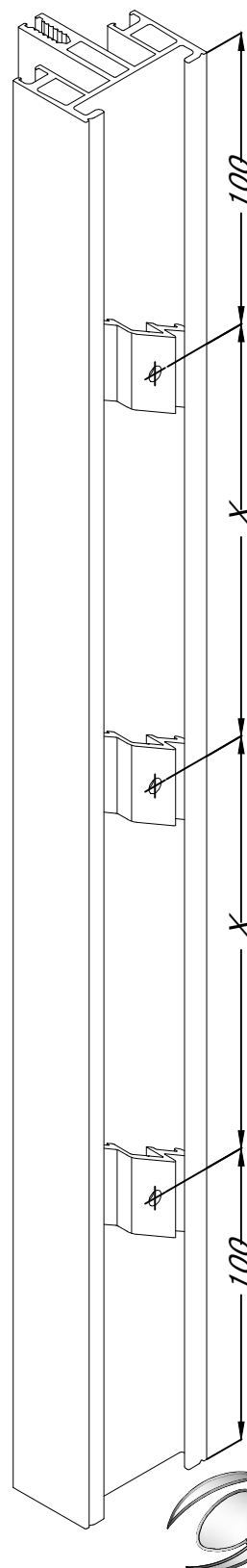
Centre of fixing lug to be positioned 100mm from the end of each mullion and transom.

Fixing lug spacing then depends on height of curtain walling.

Areas of curtain walling	
≤15m in height	>15m in height
Fixing lugs at 600mm centres max.	Fixing lugs at 400mm centres max.



7.23



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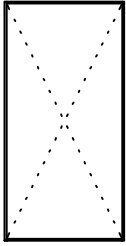


# Installation

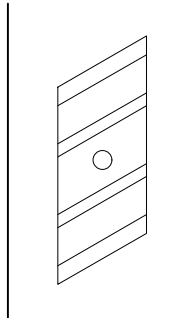
7

## Comar 6EFT

### Direct fix to steel Fixing lugs



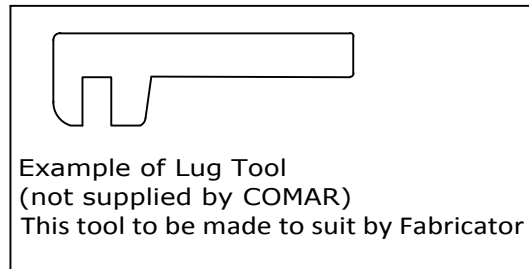
7.24



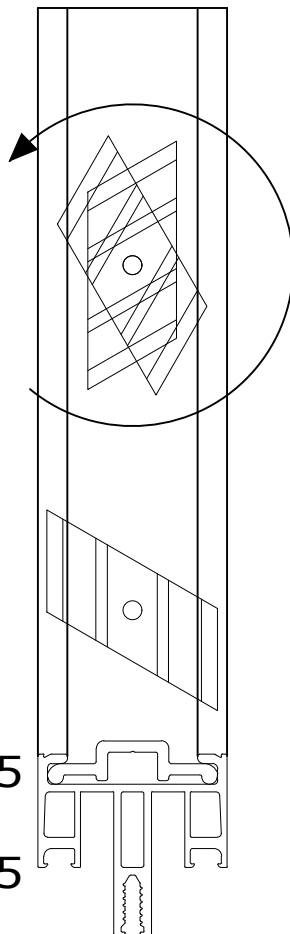
1. Aluminium to steel separator, fixing lug and 1mm spring washer to be fixed to steel using suitable fixing as approved by structural engineer at spacing as stated on page 7.28.

2. Mullion/transom profile to be placed over toggles.

3. Toggle to be twisted through 90°



4. Toggle in final position



1425

1025

Fabricators Guide



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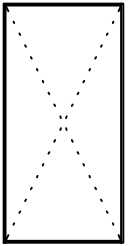
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Änderungen vorbehalten

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Date: 10-16

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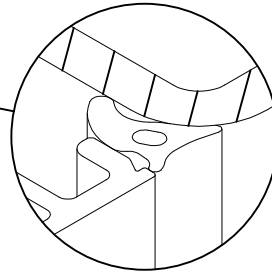
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## Direct fix to steel Internal sealing

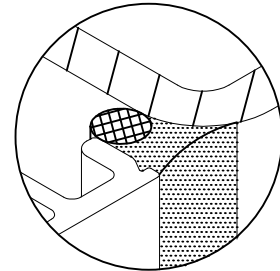


The internal seal between the aluminium profile and the steel can be a gasket or silicone sealant.

### Gasket seal



### Silicone seal



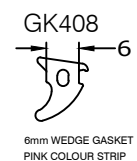
or

7.25

### Gasket seal

Aluminium to steel isolator thickness will affect which gasket should be used.

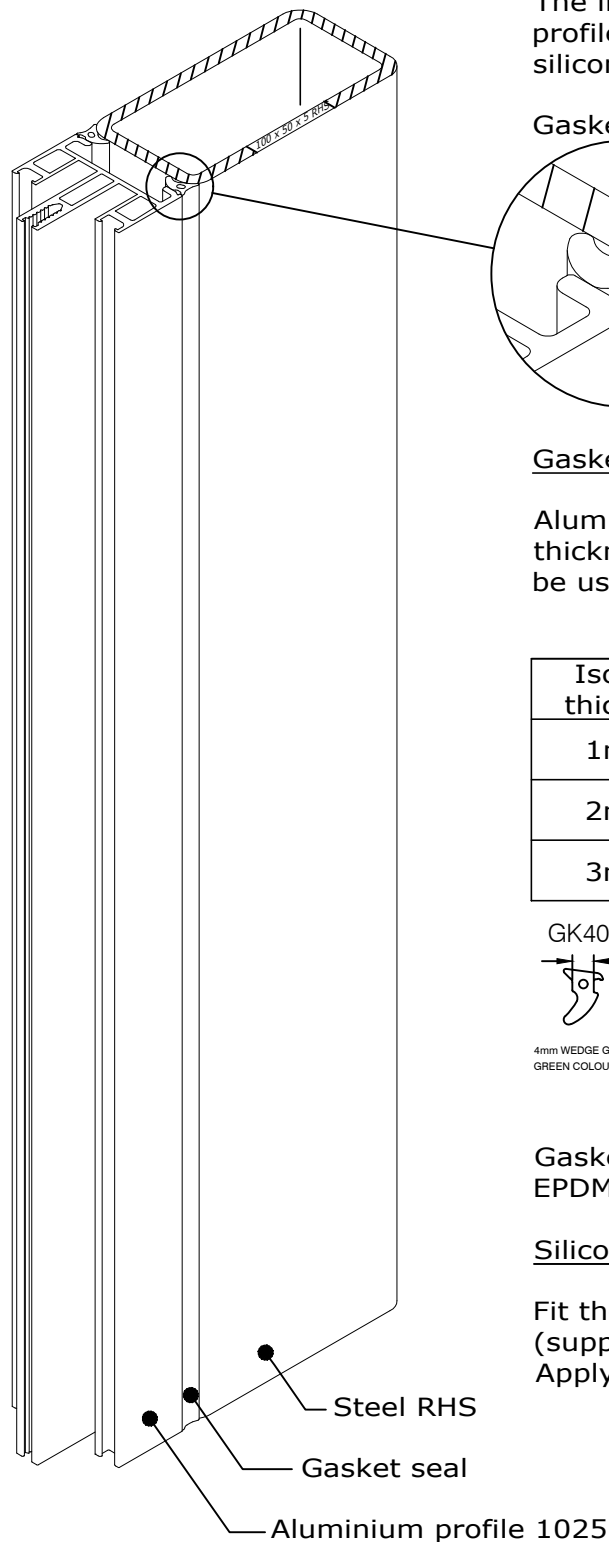
Isolator thickness	Gasket to use	Wedge size
1mm	GK405	4mm
2mm	GK407	5mm
3mm	GK408	6mm



Gasket joints to be bonded using EPDM bonding compound.

### Silicone seal

Fit the backing rods as shown.  
(supplied by others)  
Apply the silicone sealant as shown.



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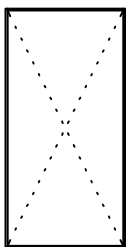
Issue: 05  
Date: 10-16

# Installation

7

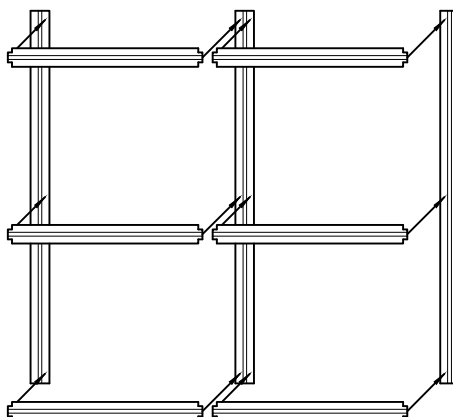
Comar 6EFT

## Installation methods



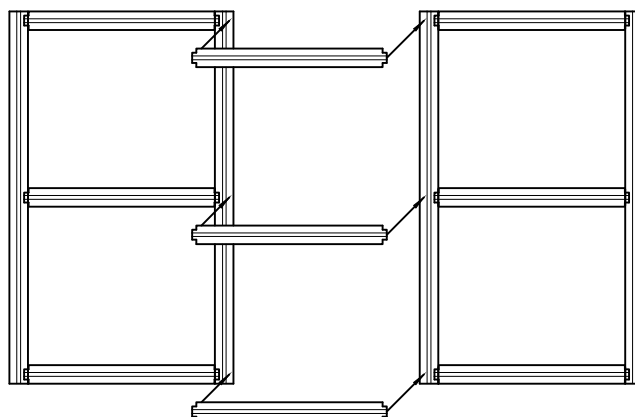
### Installation Method: 1

Mullions followed by transoms.



### Installation Method: 2

Elements (ladders) followed by intermediate transoms.



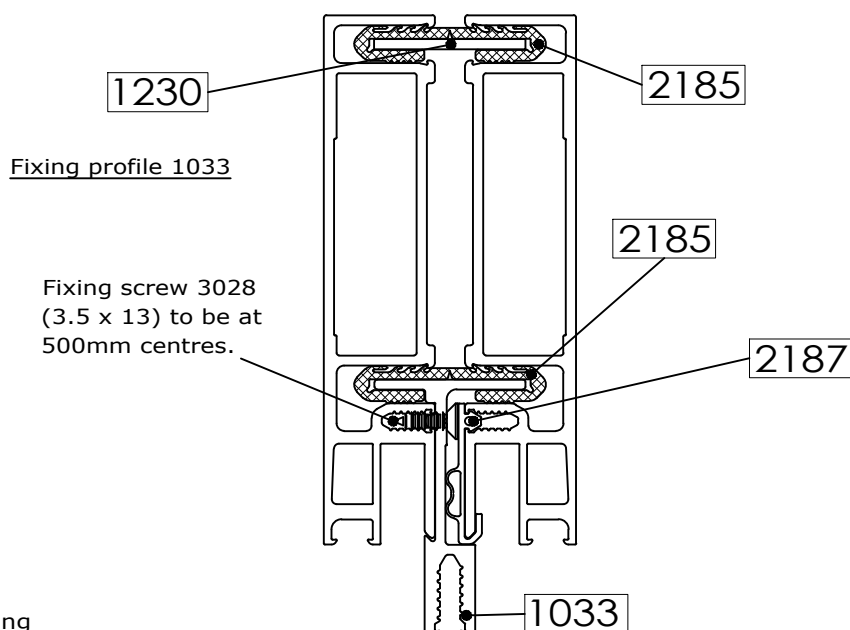
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## Split mullion details

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7.27

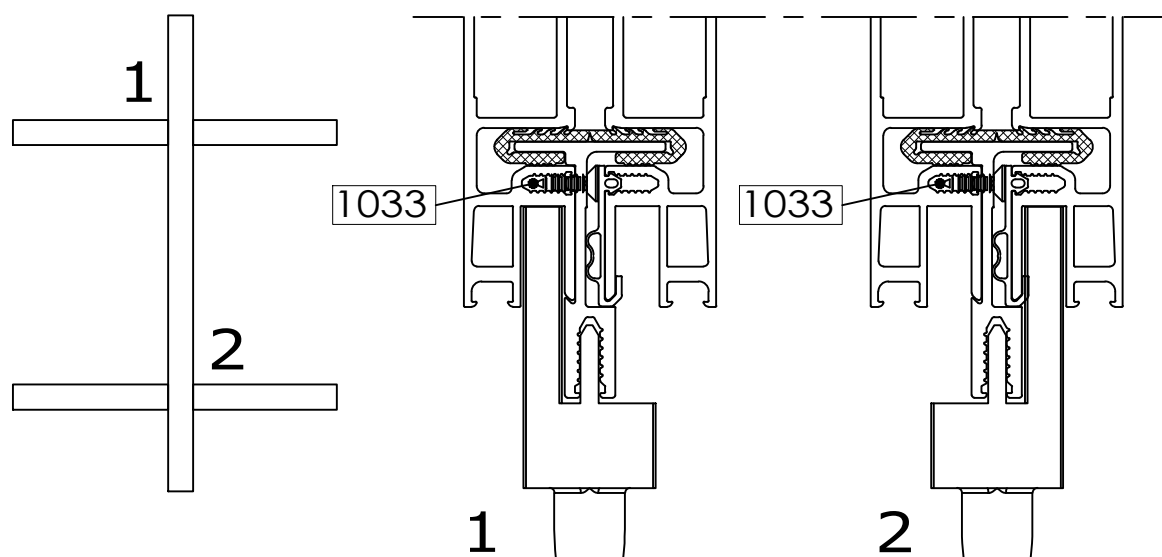
### Mullion-transom fixing

For split mullions, either spring loaded cleats (2310) or precut transom cleats can be used to fix to the mullions.

**Note:** With spring loaded cleat 2310, the 45mm transom cannot be used with a split mullion.

### Drainage diverter installation (for split mullions only)

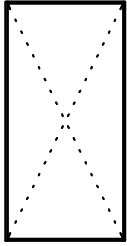
Where a drainage diverter should be installed according to page 7.37, opposite sides of the drainage diverter must be cut away and positioned at 2 different transom levels.



# Installation

7

## Comar 6EFT



## Mullion - Transom connection (Option 1)

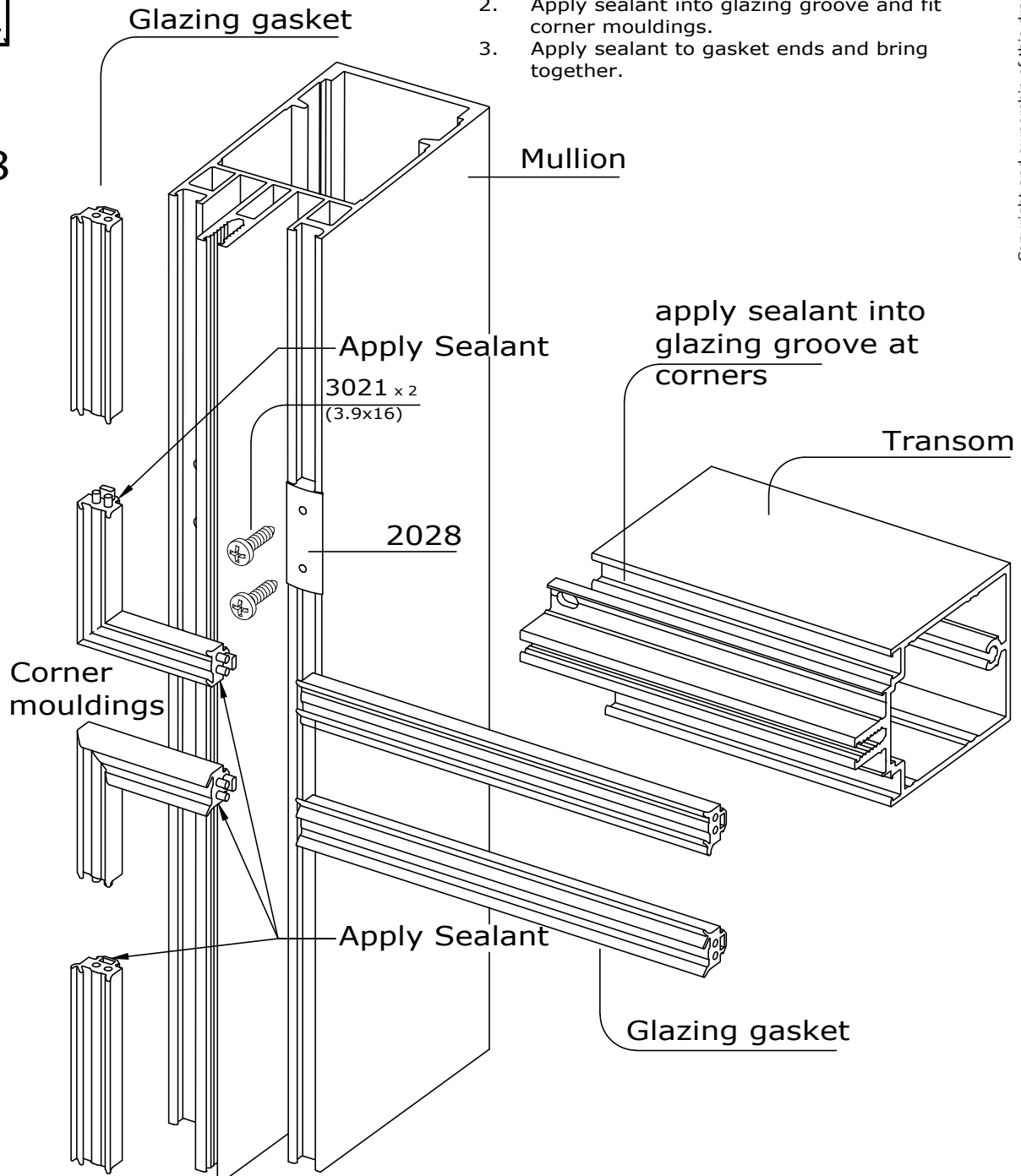
### Notes:

1. Apply sealant to transom fixing screws and gasket groove below transom seal.
2. Apply sealant into glazing groove and fit corner mouldings.
3. Apply sealant to gasket ends and bring together.

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7.28

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Date : 10-16

## Mullion - Transom connection (Option 2)

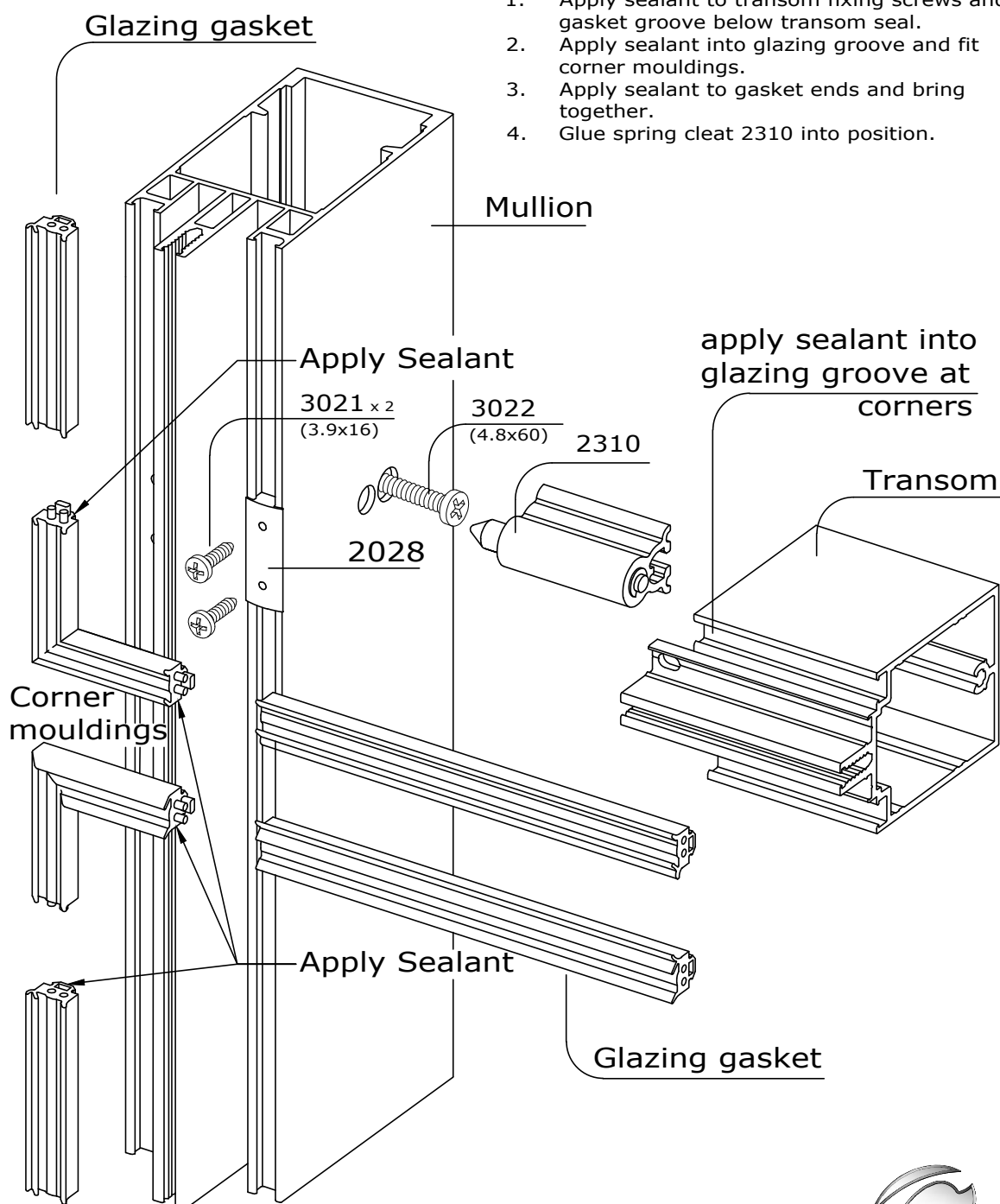
(with spring loaded transom cleat)



### Notes:

1. Apply sealant to transom fixing screws and gasket groove below transom seal.
2. Apply sealant into glazing groove and fit corner mouldings.
3. Apply sealant to gasket ends and bring together.
4. Glue spring cleat 2310 into position.

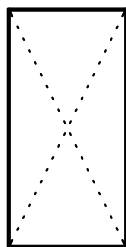
7.29



# Installation

7

## Comar 6EFT



## Mullion - Transom connection (Option 3)

(for making ladder units)

(for transoms installed between mullions or ladders)

### Notes:

1. Apply sealant to transom fixing screws and gasket groove below transom seal.
2. Apply sealant into glazing groove and fit corner mouldings.
3. Apply sealant to gasket ends and bring together.

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7.30

Glazing gasket

Mullion

Apply Sealant

3022 (4.8 x 60) (for ladder unit only)

3021 x 2  
(3.9x16)

Pre cut cleat from profile 1300

(Pre-cut & drilled cleats available for 85mm transom & above only, for other transom sizes or faceted joints, cleat must be cut)

3025 x 4 (4.8 x 13)

Transom

2028

Corner mouldings

Apply Sealant

apply sealant into glazing groove at corners

Glazing gasket

Fabricators Guide



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Date : 10-16



## Mullion - Transom Connection (Option 4)

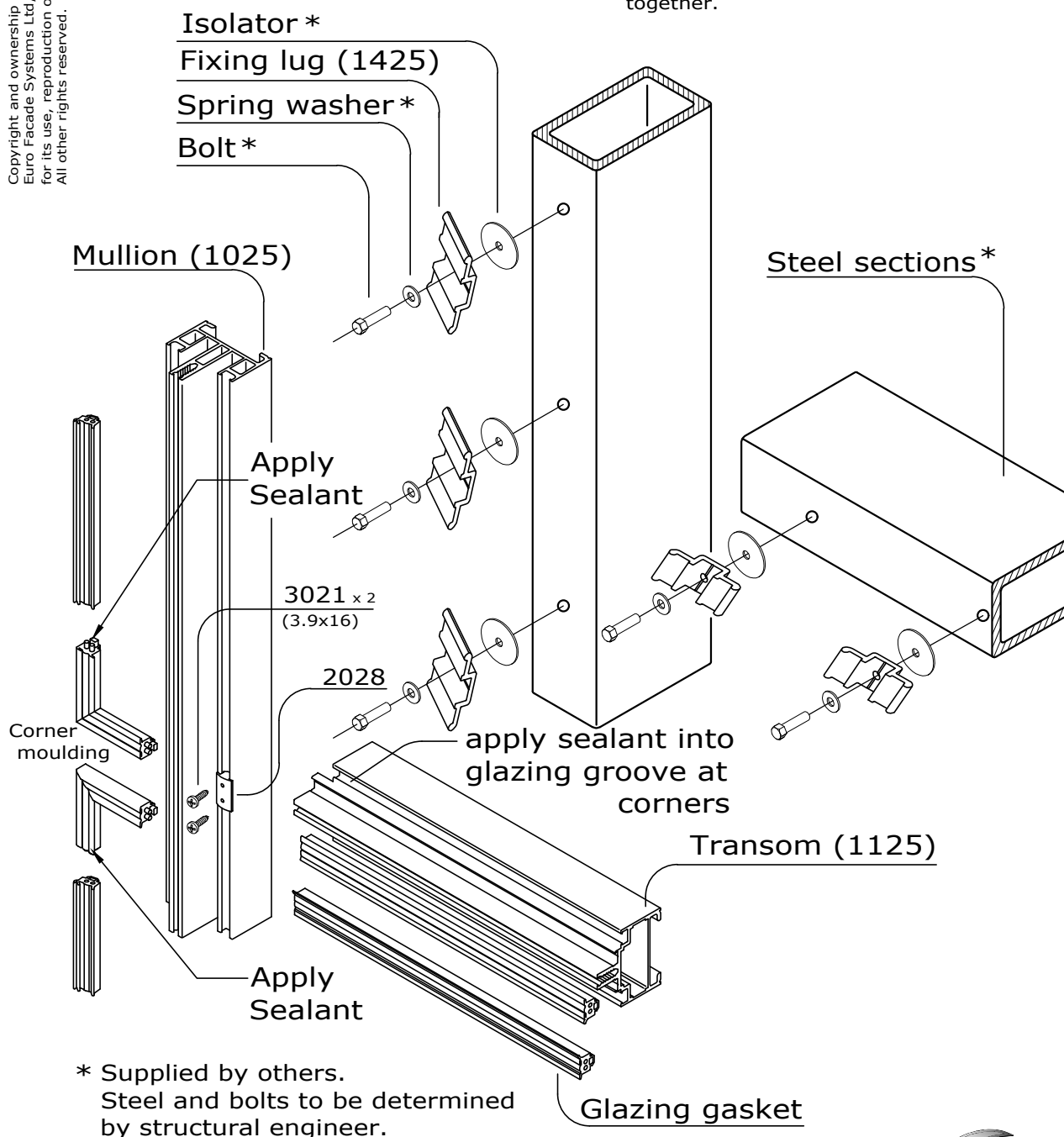
(Direct fix to steel or timber)

### Notes:

1. Apply sealant to transom fixing screws and gasket groove below transom seal.
2. Apply sealant into glazing groove and fit corner mouldings.
3. Apply sealant to gasket ends and bring together.



7.31

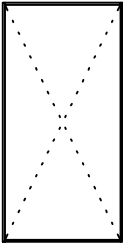


# Installation

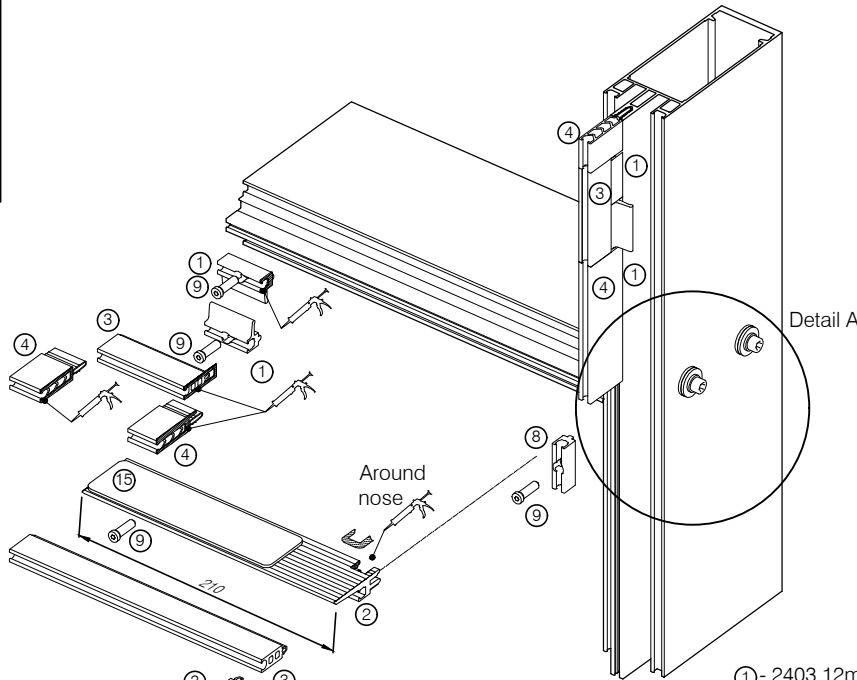
7

## Comar 6EFT

## Heavy glass support Connection (Option 5)

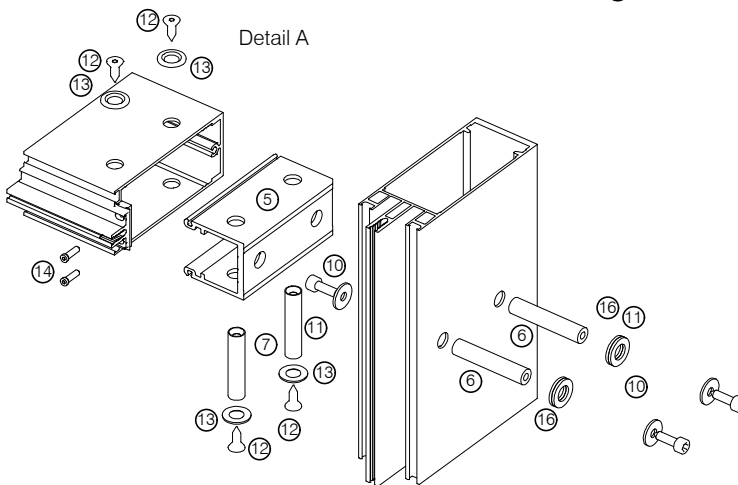
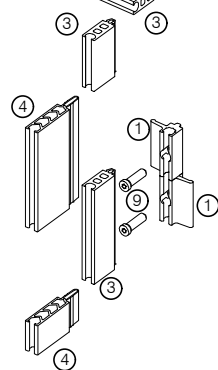


7.32



APPLY SEALANT  
TO ALL JOINTS

- ① - 2403 12mm double glazing clamp
- ② - 140x series 12mm glass setting block
- ③ - 2155 22mm extension gasket
- ④ - 2203 34mm thermal break
- ⑤ - 1305 transom cleat
- ⑥ - 1891 11x3 59.5mm aluminium tube
- ⑦ - 1890 11x3 50mm aluminium tube
- ⑧ - 2409 setting block support
- ⑨ - 3029 5.5x23mm special screw
- ⑩ - 3004 5.5x19mm socked screw
- ⑪ - 3095 M6 DIN9021SS washer
- ⑫ - 3017 5.5x16 countersink screw
- ⑬ - 3094 SS countersink washer
- ⑭ - 3021 3.9x16 special screw
- ⑮ - 150mm wide glass shims
- ⑯ - 3042 M12 SS washer

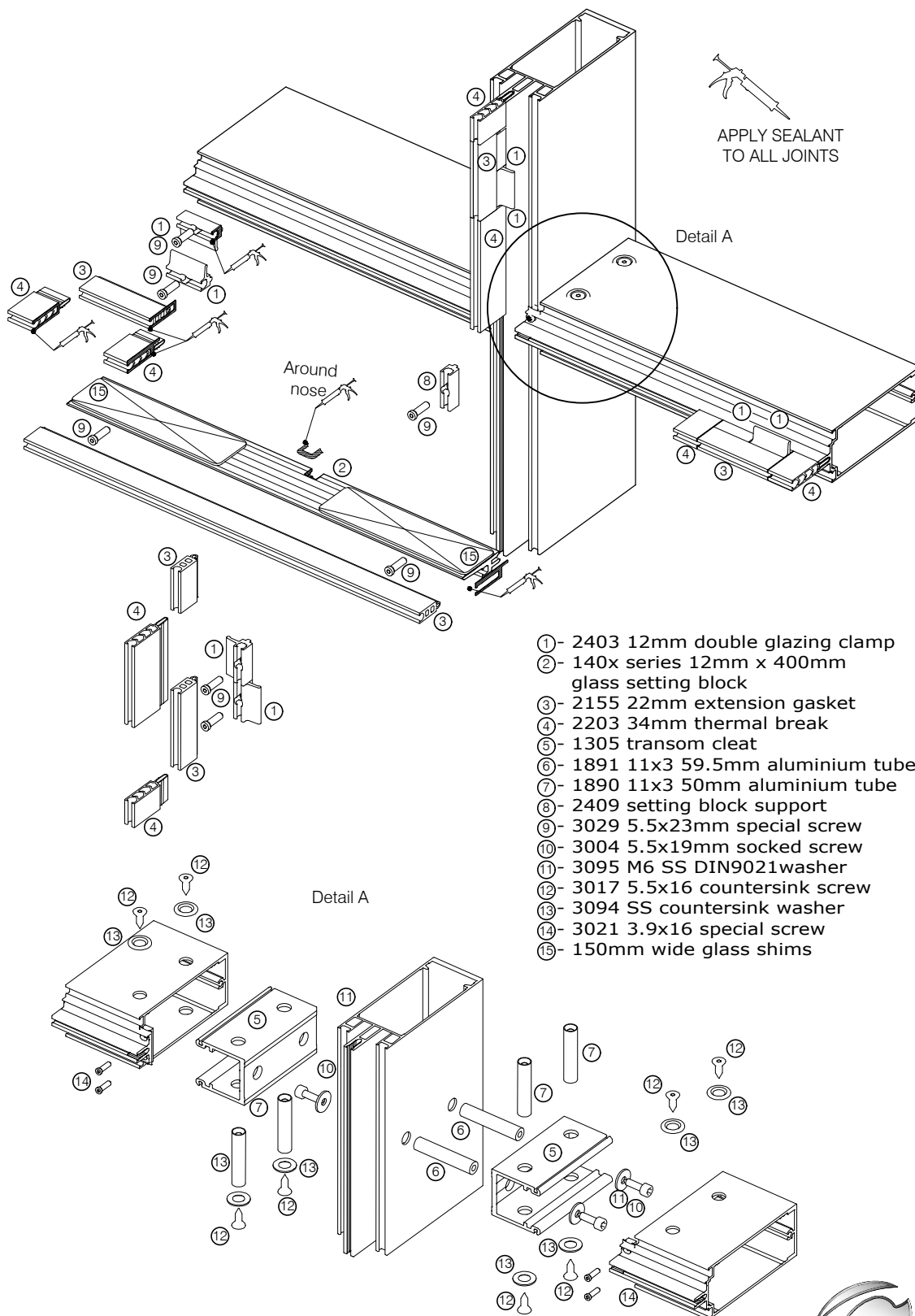


Detail A



## Heavy glass support Connection (Option 5)

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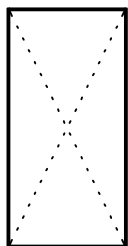
Changes reserved  
Sous reserve de modifications  
Änderungen vorbehalten

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Date: 10-16

## Installation

7

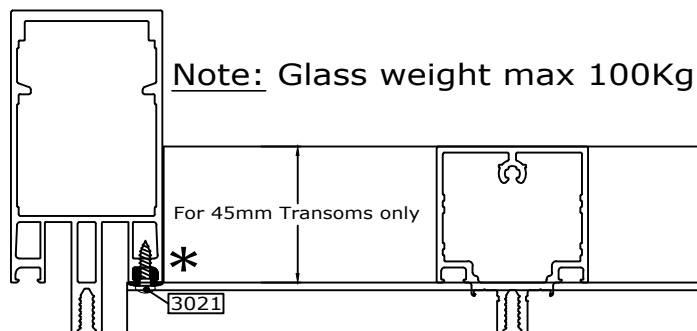
## Comar 6EFT



7.34

Mullion-transom  
Connection optionsOption 1

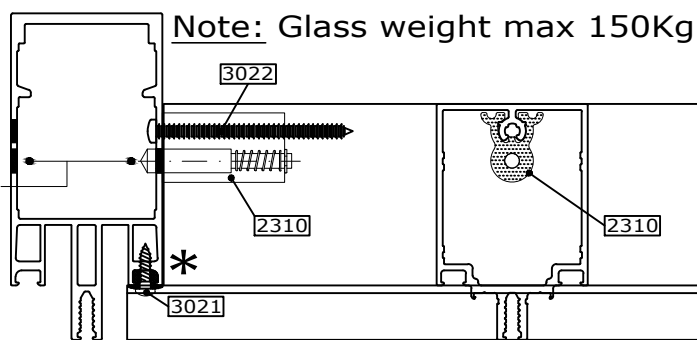
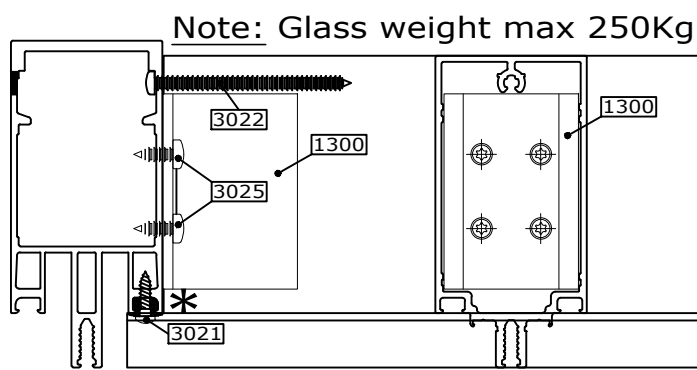
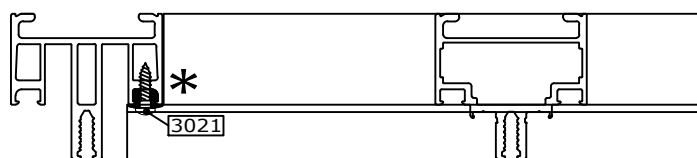
Screws EFT-3021



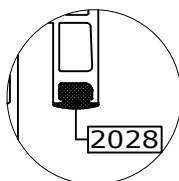
Ladders / units

Option 2Spring loaded cleat  
EFT-2310or  
Screw EFT-3022

Tooling: Com6-EFT-Jig1

Option 3 or 3aPrecut & drill cleat  
profile EFT-1300 to lengthOption 4For direct fix to steel details  
refer to drawings

\*

Transom seal EFT-2028 to be  
installed at each mullion-transom  
connection.

All screws to be sealed.

## Mullion - Transom Connection

7

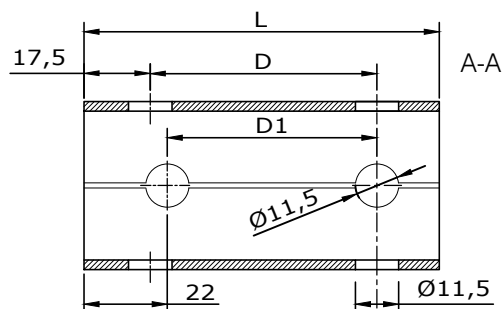
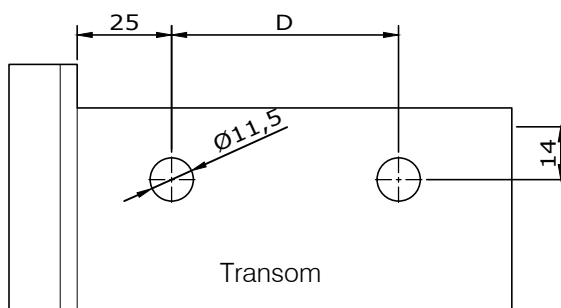
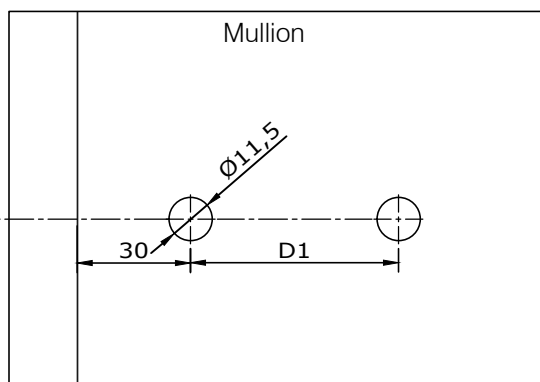
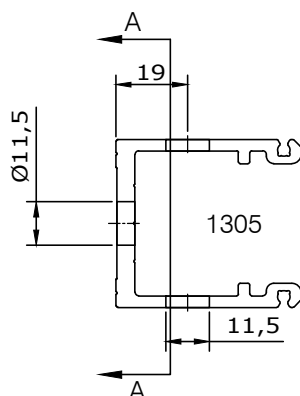
Installation

Comar 6EFT



7.35

Option 5  
Glass weight max. 450 kg



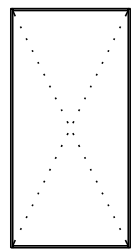
Note:  
Cut cleats are for project only and are not held in stock. Cut cleats will be subject to a longer lead time.

Cleat Reference	Transom	L (mm)	D (mm)	D1(mm)
2565	1166 - 125mm	104	75	70
2566	1152 - 135mm	114	75	70
2567	1145, 1154 & 150mm	129	100	95
2568	1147 - 175mm	154	125	120
2569	1156 - 180mm	159	130	125
2570	1157 - 195mm	174	145	140
2571	1148 - 200mm	179	145	140
2572	1158 - 210mm	189	161	156

Fabricators Guide

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7.36

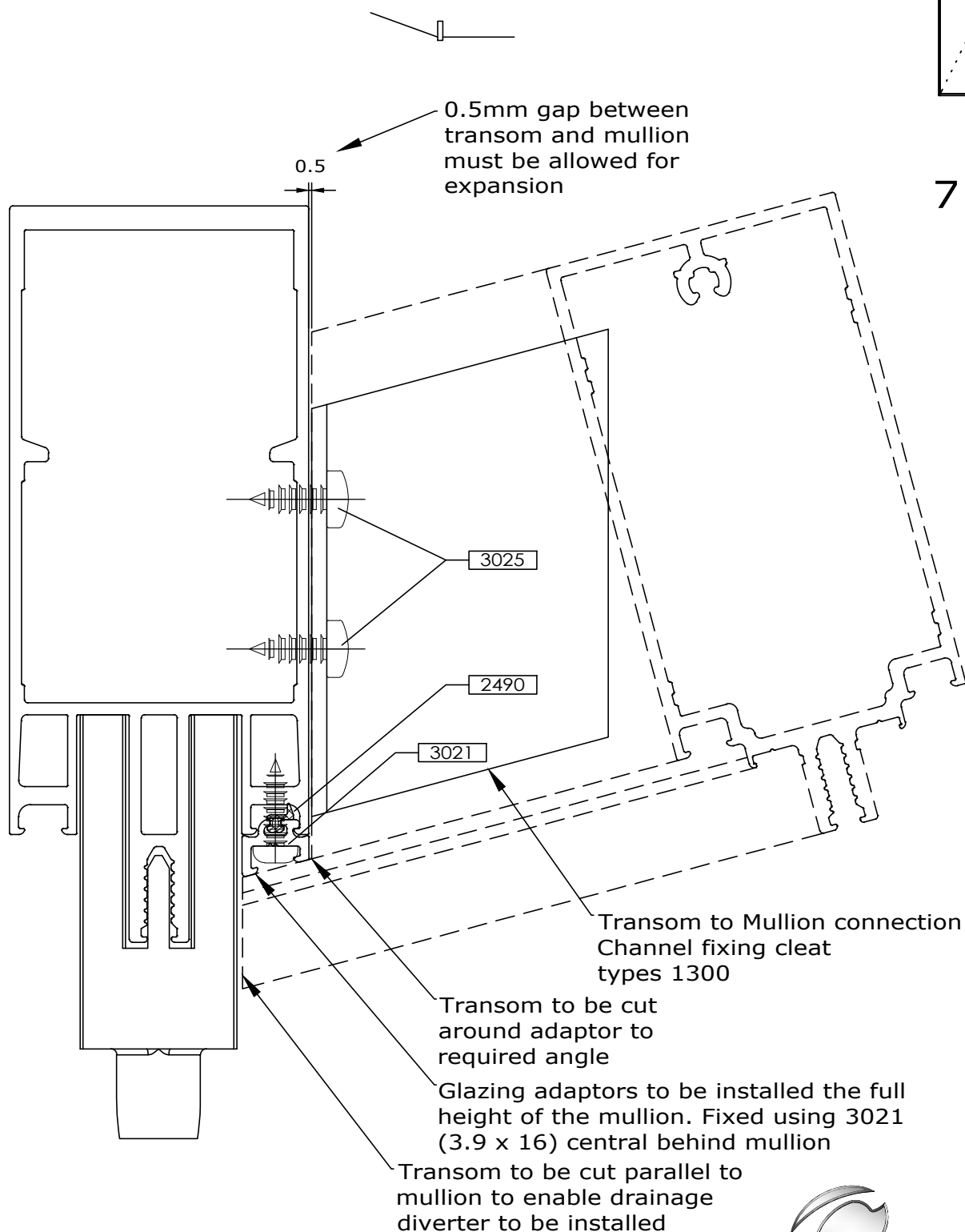
FUTURE  
ADDITION

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## Facetted transom preparation External Corner



7.37



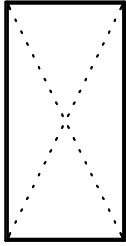
Fabricators Guide

# Installation

7

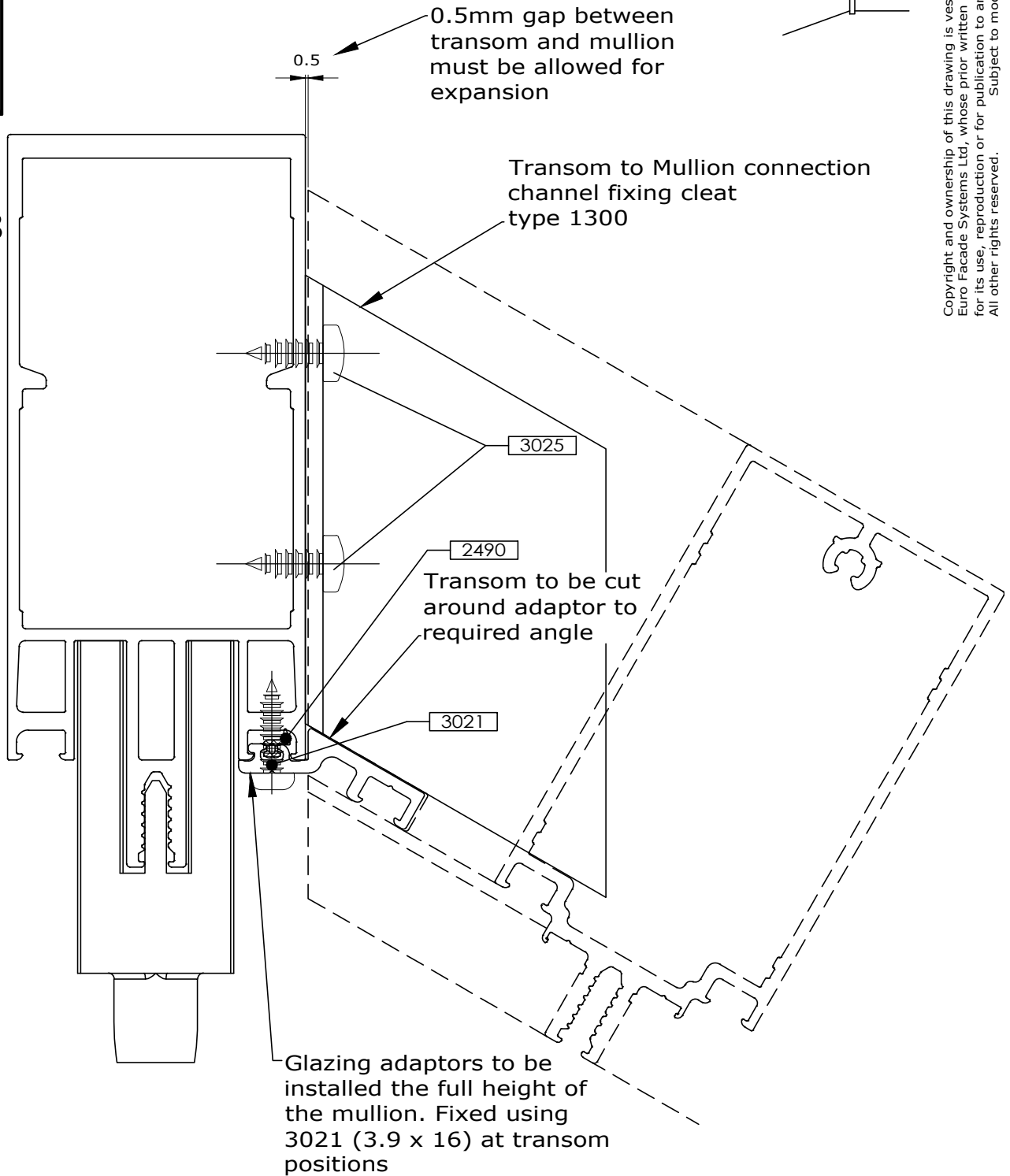
## Comar 6EFT

### Facetted transom preparation Internal Corner



7.38

Fabricators Guide



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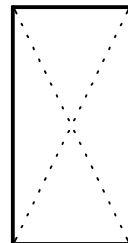
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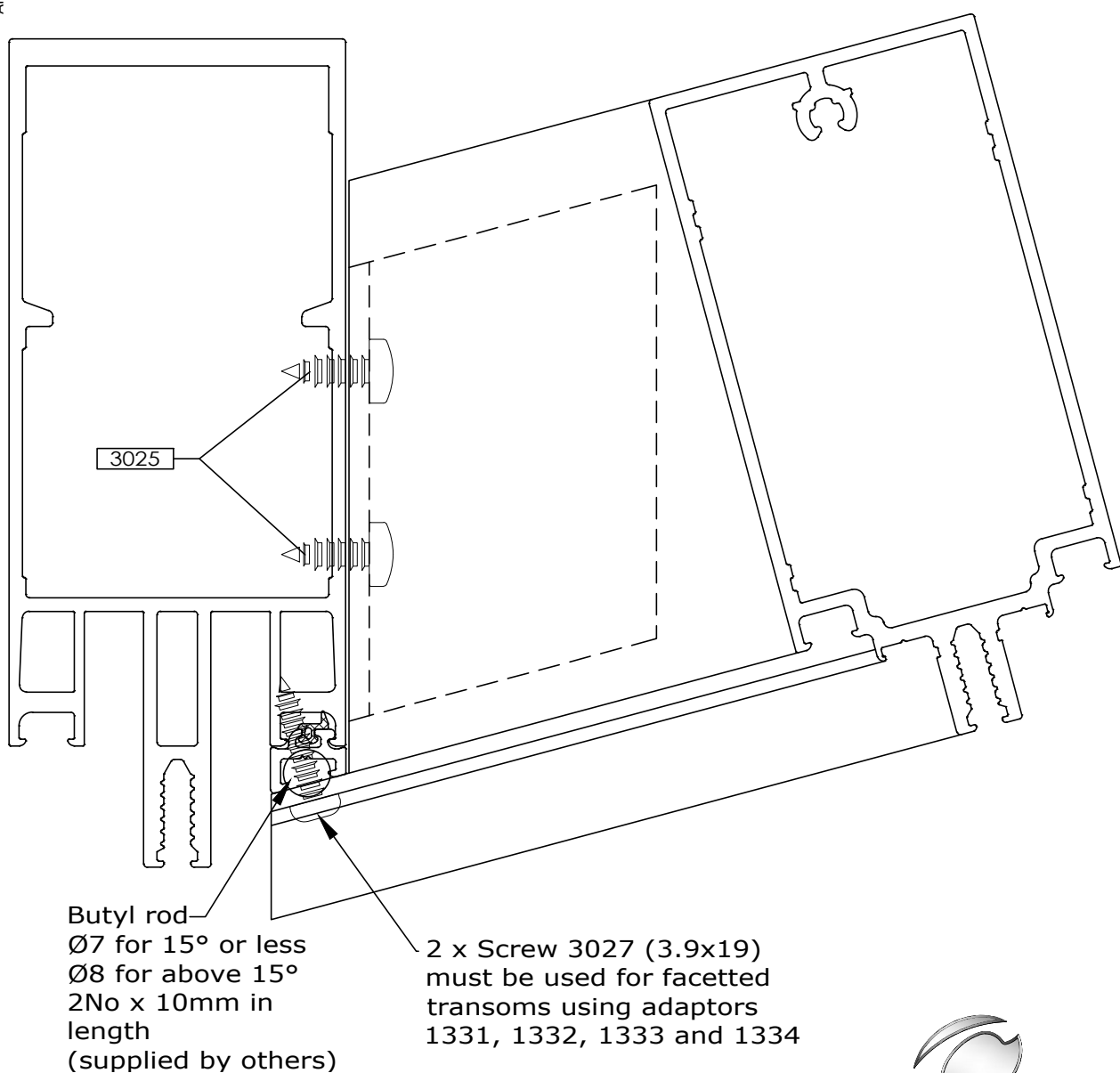
Issue: 05  
Date : 10-16



## Fixing facatted transoms External Corner



7.39



Fabricators Guide

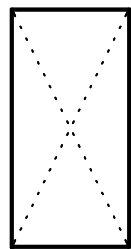
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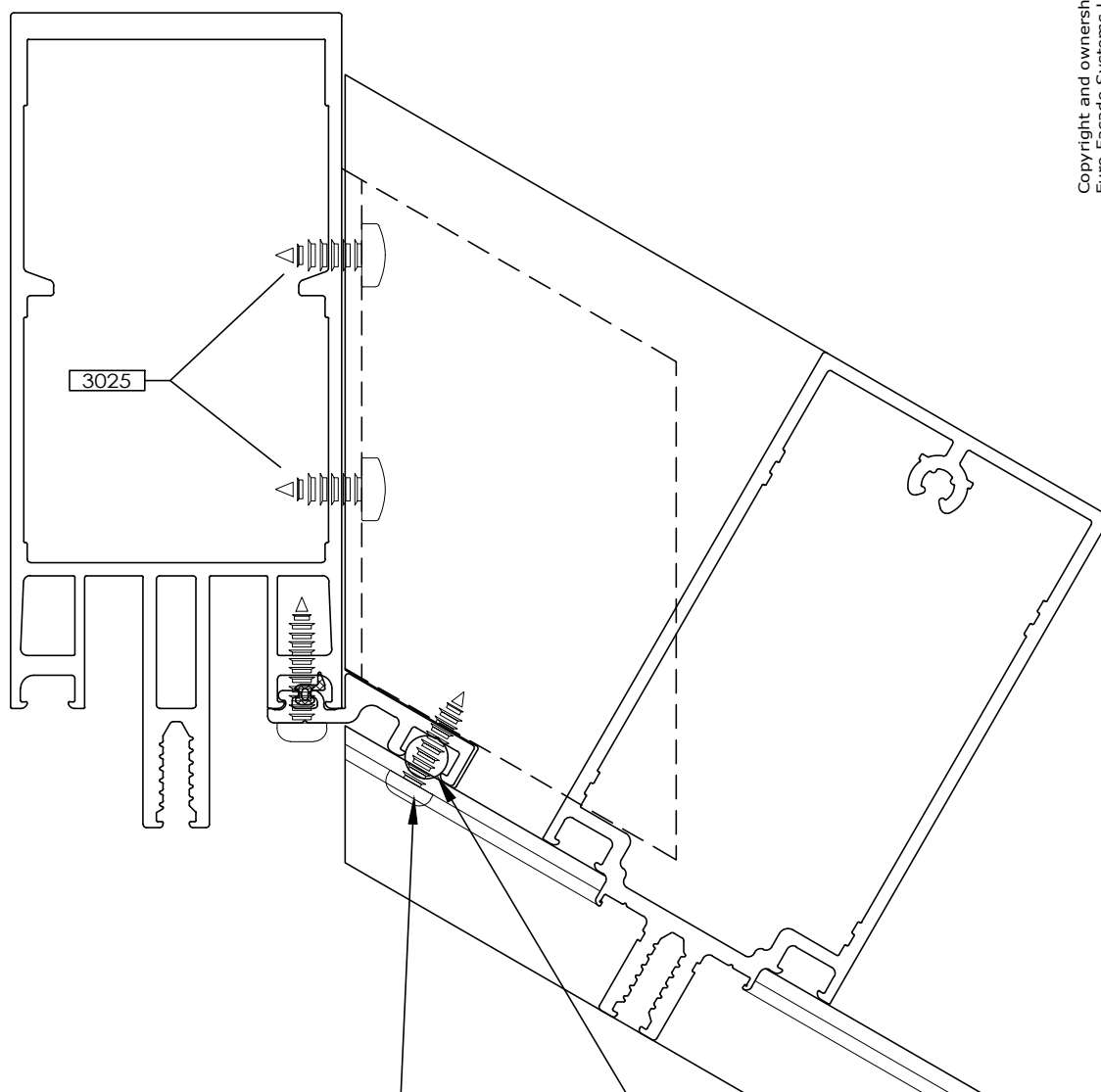
# Installation

7

## Fixing faceted transoms Internal Corner



7.40



Transoms to be fixed to adaptor with screws 3021 (3.9x16)

For exact angle adaptors ie 7.5°, 15° etc, use transom pad 2028. For all other angles use butyl rod, Ø8mm, 27mm long, supplied by others.

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## Facatted transom Cleat Preparation External Corner

7

Installation

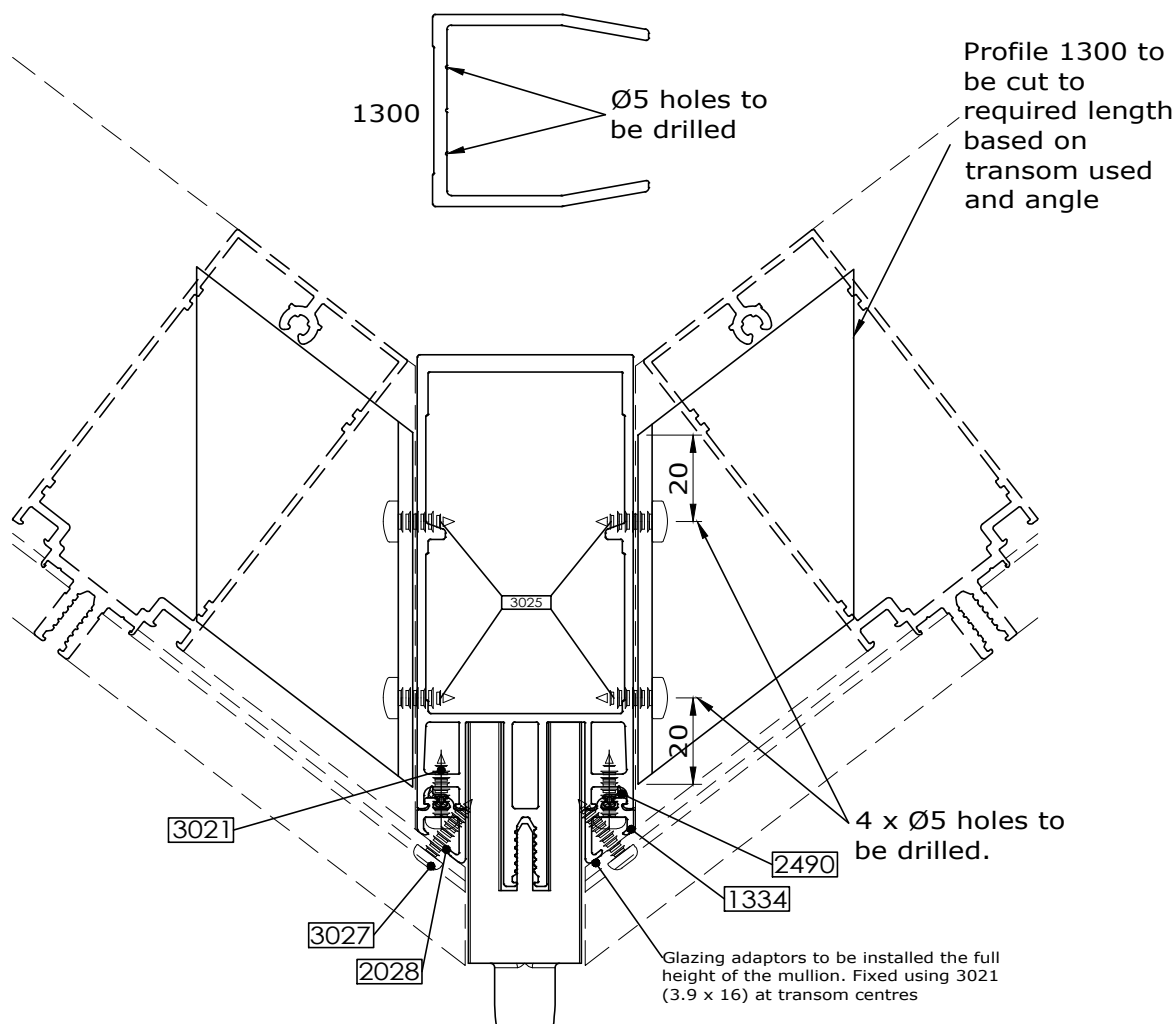
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Any facatted transom must be held in place by cleats made from profile 1300 (or 1305 if specified)

Same cleat preparation can be used for outward (reflex) angles.

7.41



Fabricators Guide

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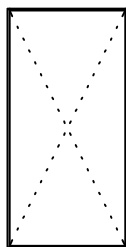
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# Installation

7

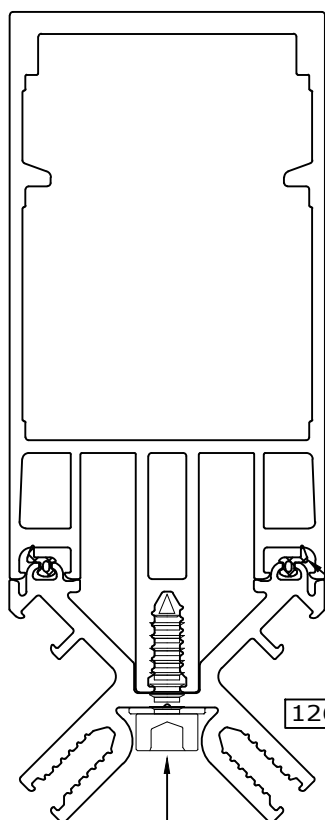
Comar 6EFT

Fixing adaptors  
1264 & 1265



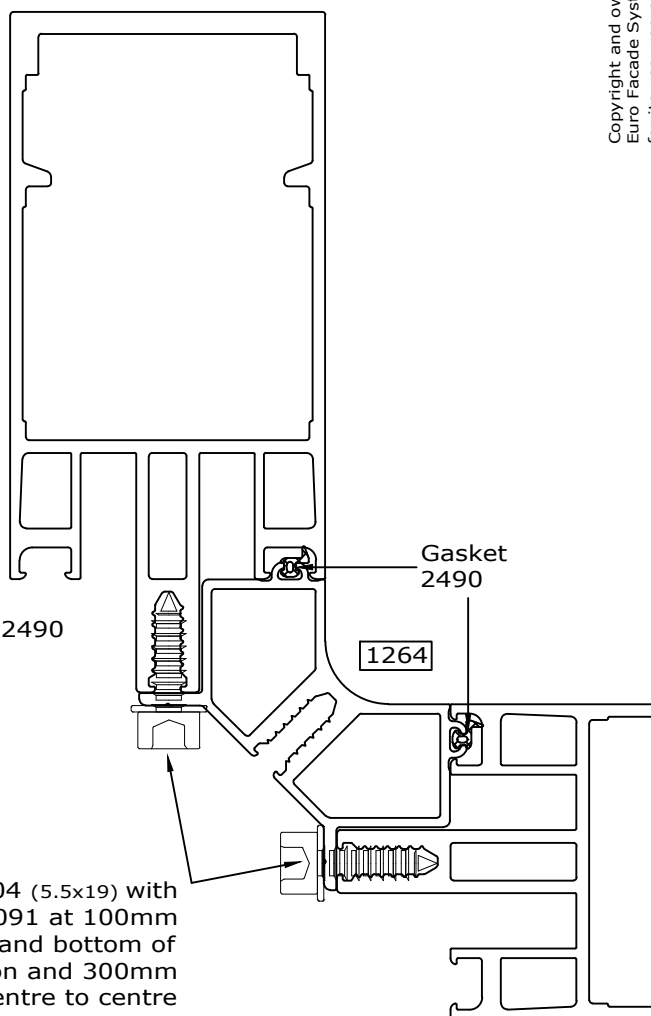
7.42

Fabricators Guide



Screw 3004 (5.5x19) with washer 3091 at 100mm from top and bottom of mullion and 300mm centre to centre

Gasket 2490



Gasket 2490

Screw 3004 (5.5x19) with washer 3091 at 100mm from top and bottom of mullion and 300mm centre to centre

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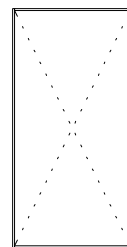
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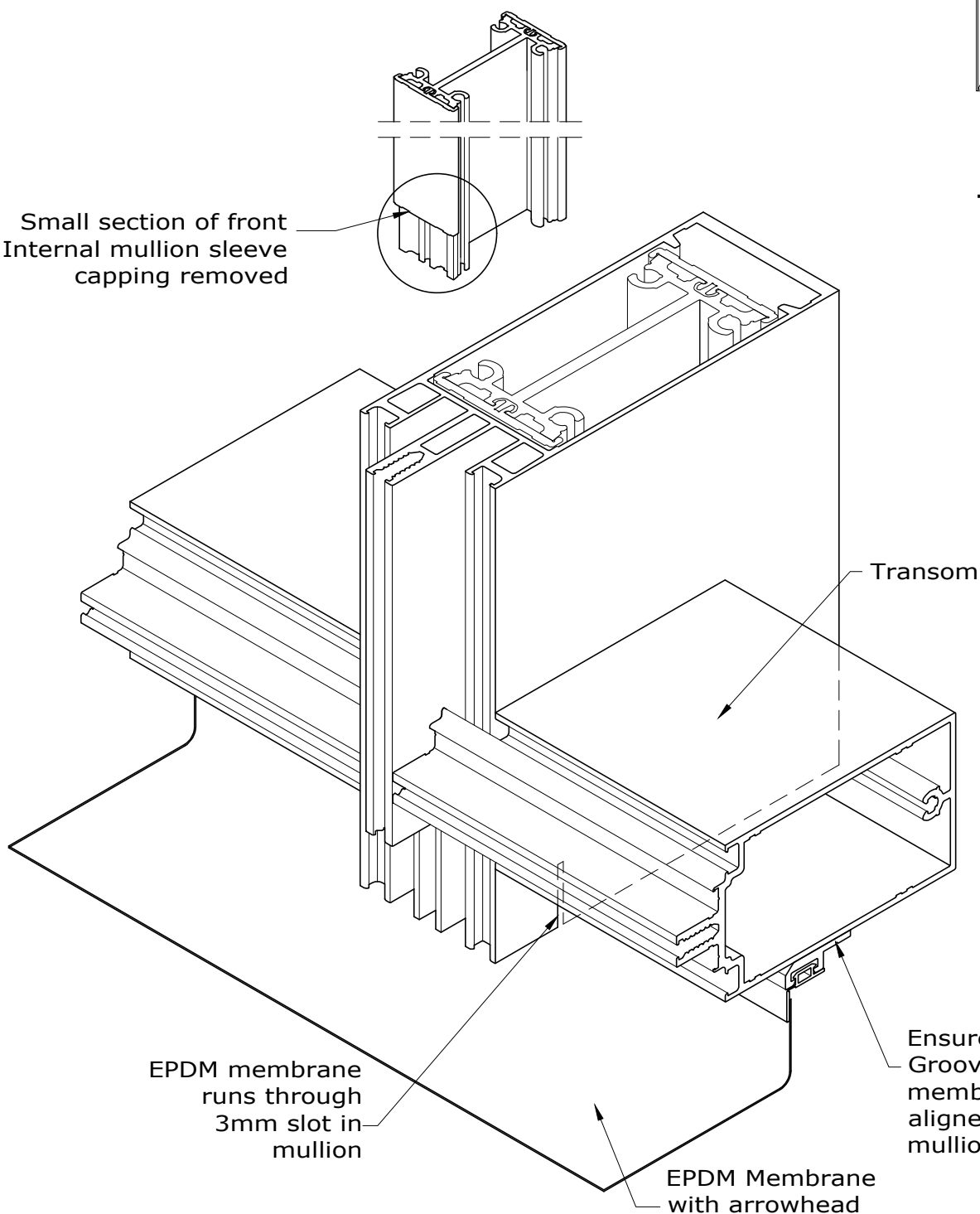
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## EPDM membrane Transom Sill, Head & Mullion preparation



7.43

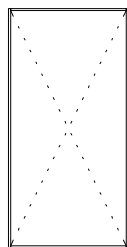
Small section of front  
Internal mullion sleeve  
capping removed



Fabricators Guide

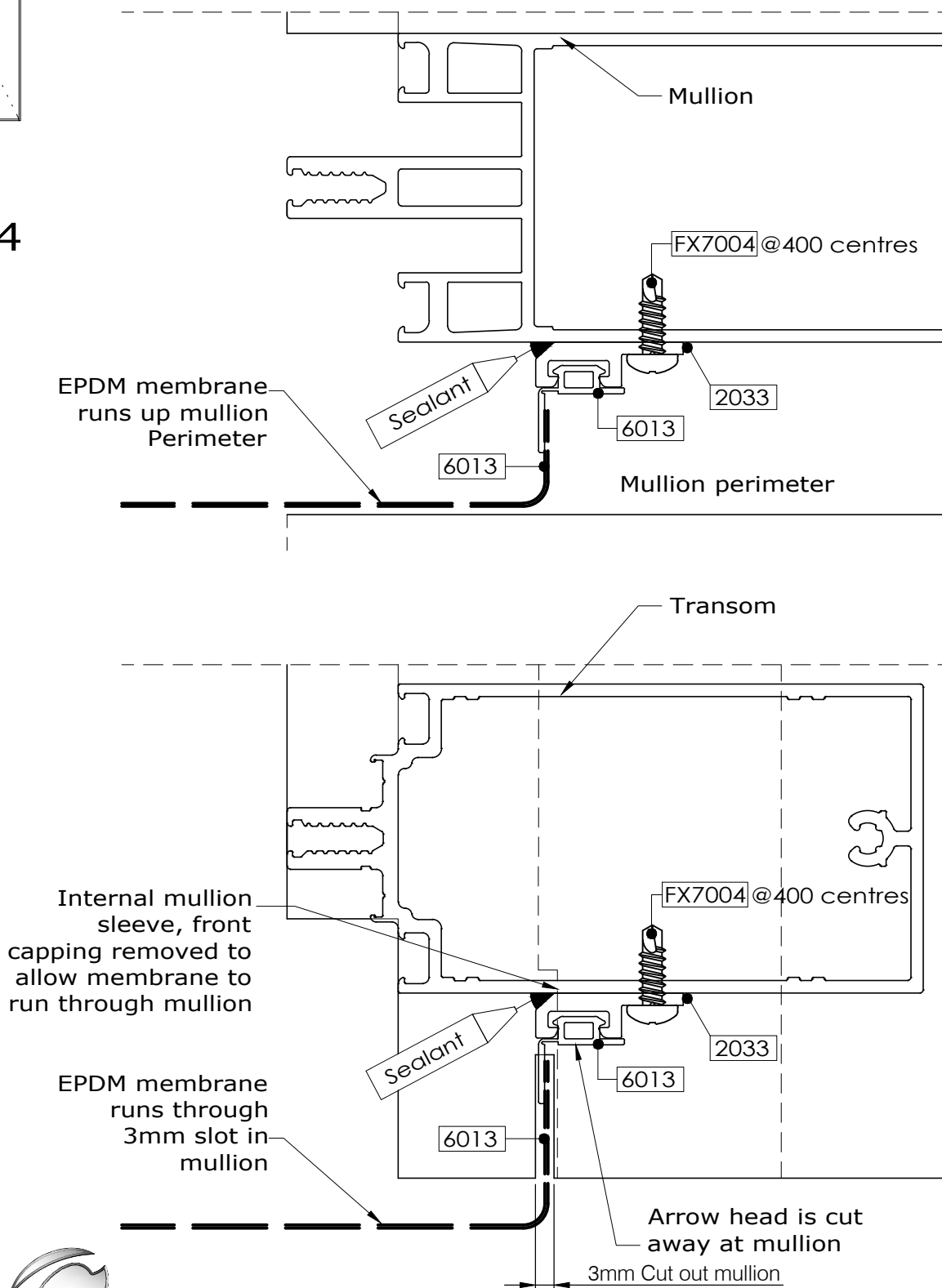
# Installation 7

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7.44

## EPDM membrane Curtain wall perimeter Preparation



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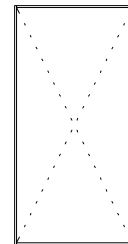
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Date: 10-16

7

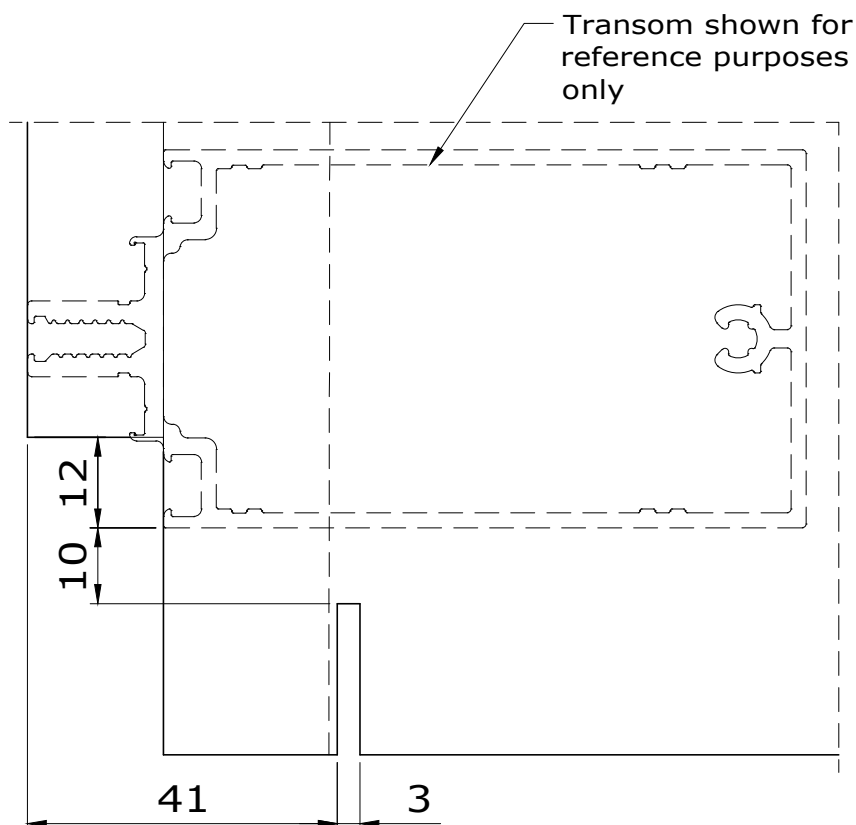
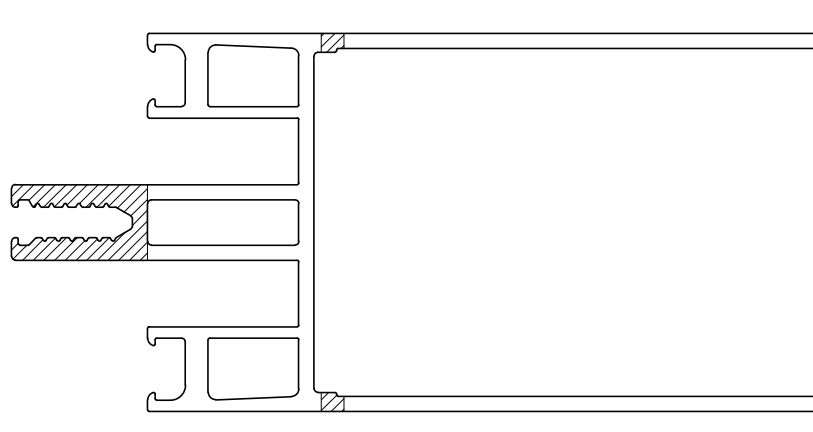
Installation

Comar 6EFT

## EPDM membrane Mullion preparation Slot cutting details



7.45



Fabricators Guide

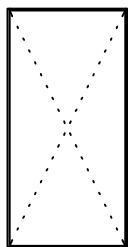
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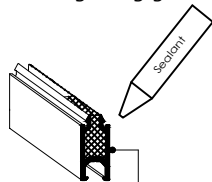
## Installation

7

## Comar 6EFT



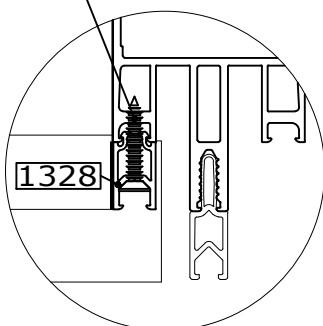
Apply Arbomeric  
MP20 sealant  
into glazing groove



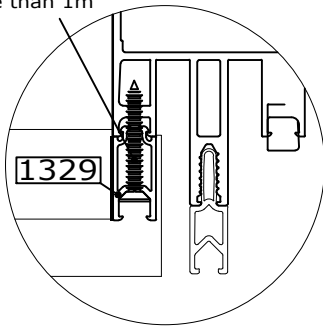
Install gasket 2490 wherever  
glazing adaptor is to be placed

7.46

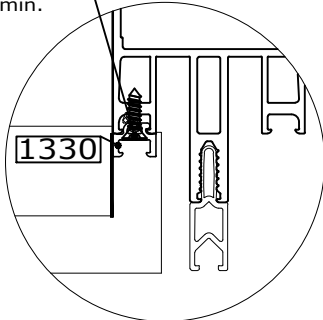
Factory fitted glazing adaptor 1328  
fixed with screw 3024 (4.2 mm x 25  
mm) Max pitch of 1m. 2 off min.



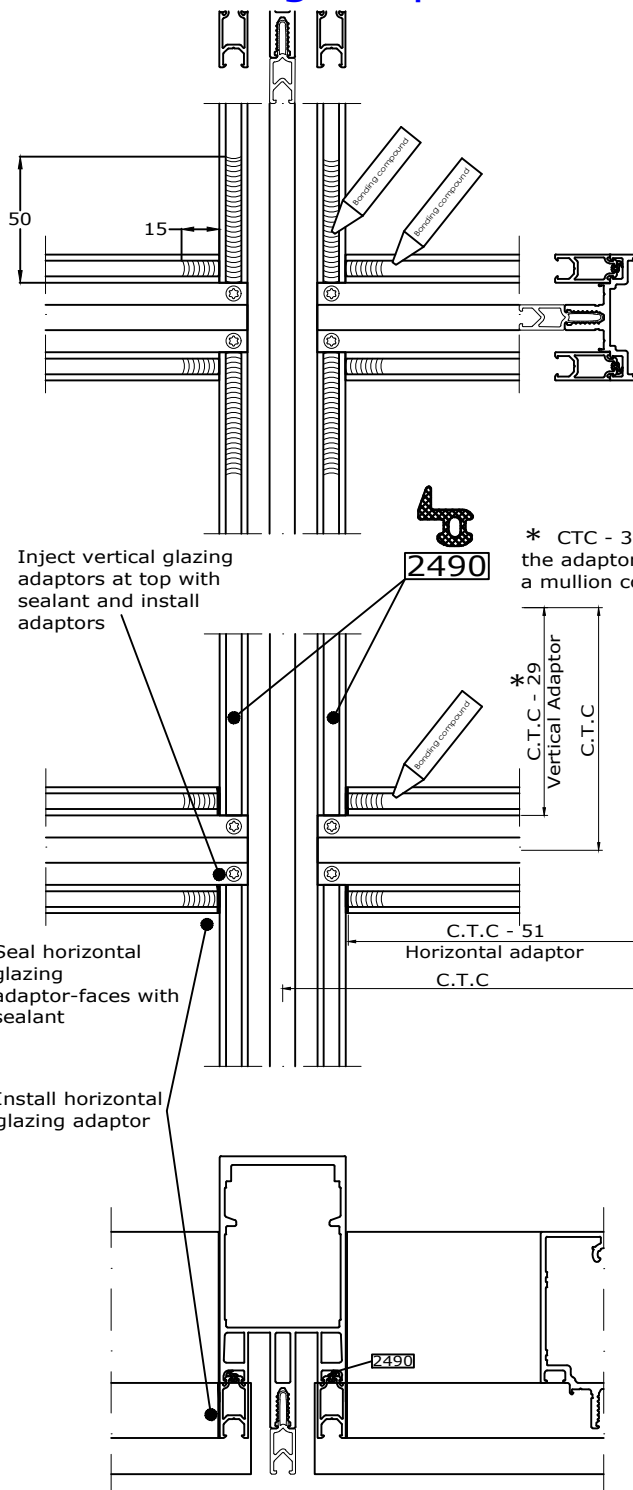
Factory fitted glazing adaptor 1329  
fixed with screw 3026 (4.2 mm x 32  
mm) 2 No min. Centres not  
more than 1m



Factory fitted glazing adaptor 1330  
fixed with screw 3028 (3.5 mm x 13  
mm) Max pitch of 1m.  
2 off min.



## Glazing adaptors



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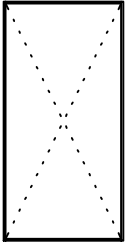
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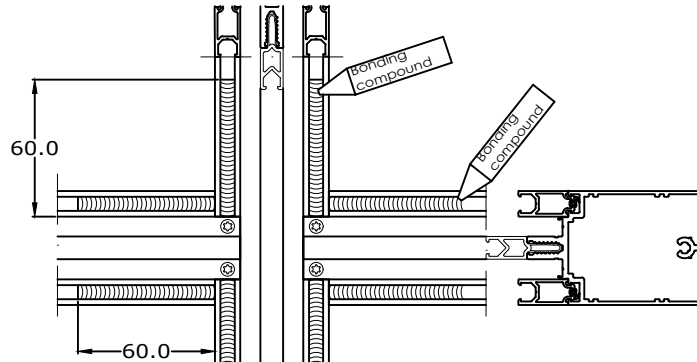


## Internal gaskets & corners

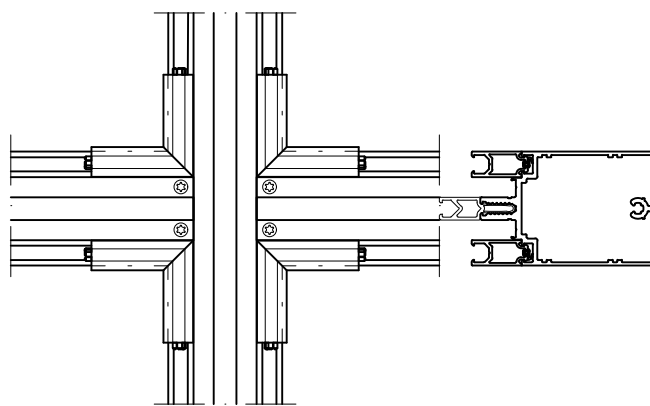


7.47

Apply bonding compound into glazing groove



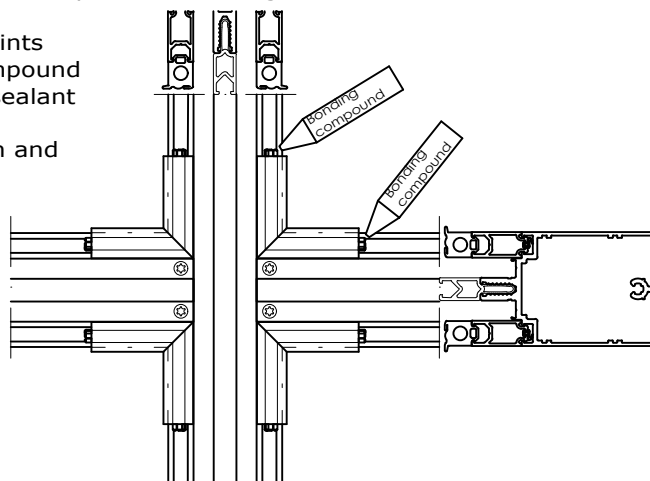
Install moulded gasket corners



Cut EPDM glazing gasket to required length between corner mouldings +5% to ensure compression of the gaskets

Bond corner to gasket joints using EPDM bonding compound or a MS Polymer based sealant

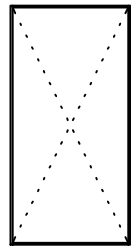
Slide gasket into position and clean off excess sealant



# Installation

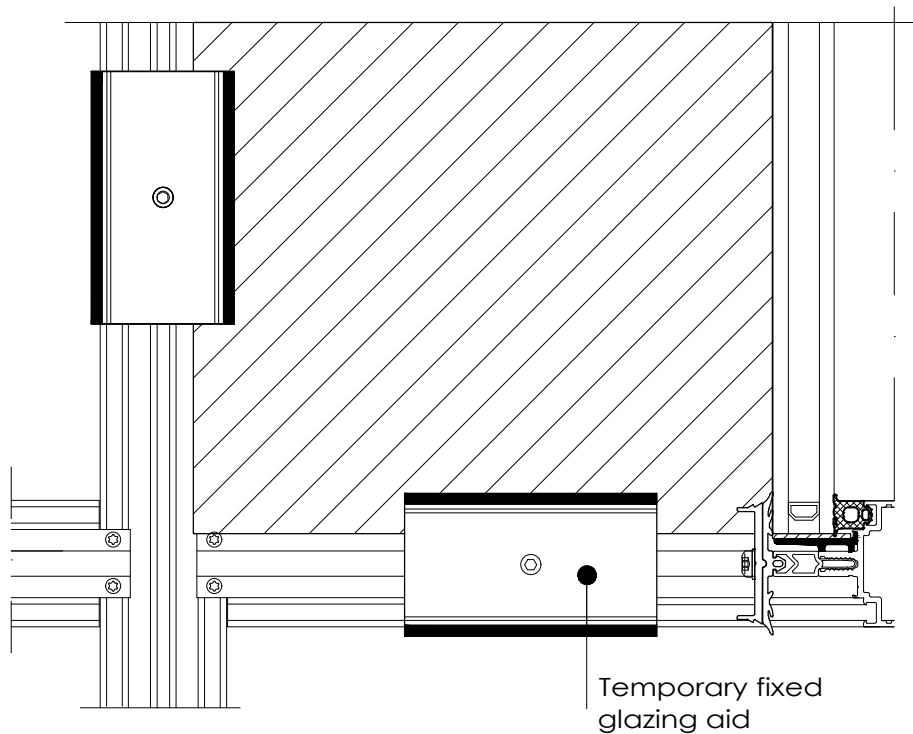
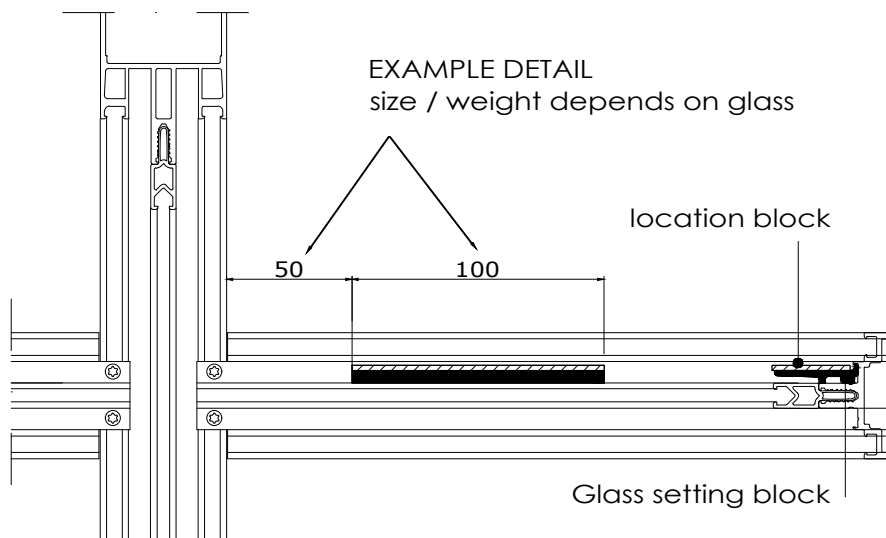
7

## Comar 6EFT



7.48

## Location of glass setting blocks & temporary glazing aids



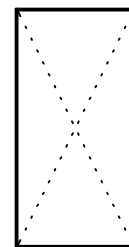
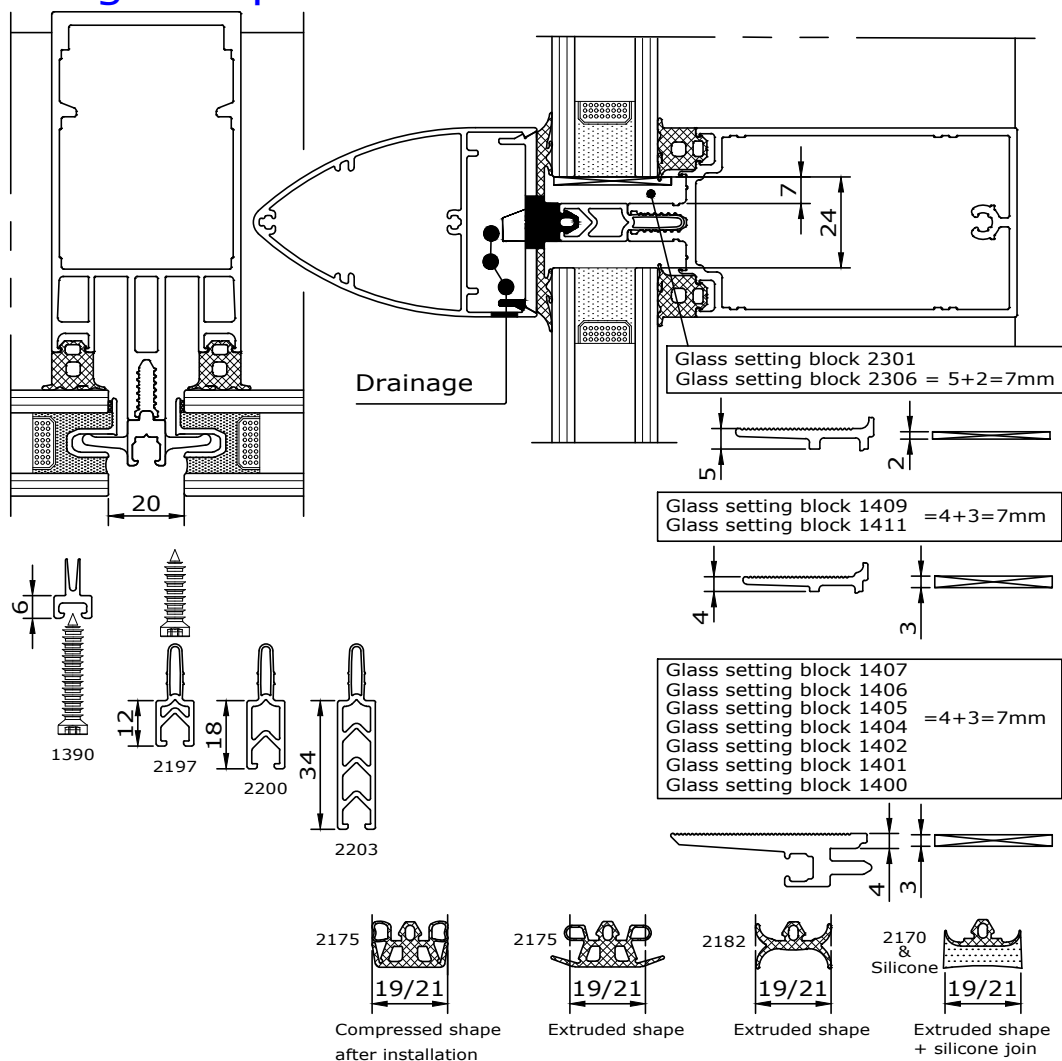
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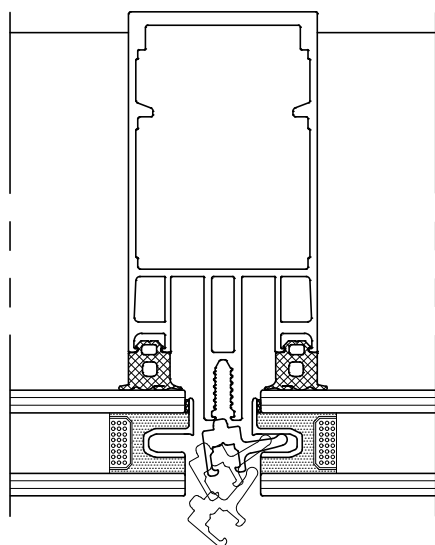
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## Fixing glazing insert and fixing clamp

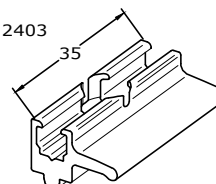
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7.49



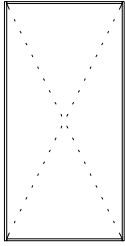
Clamp EFT 2403



## Installation

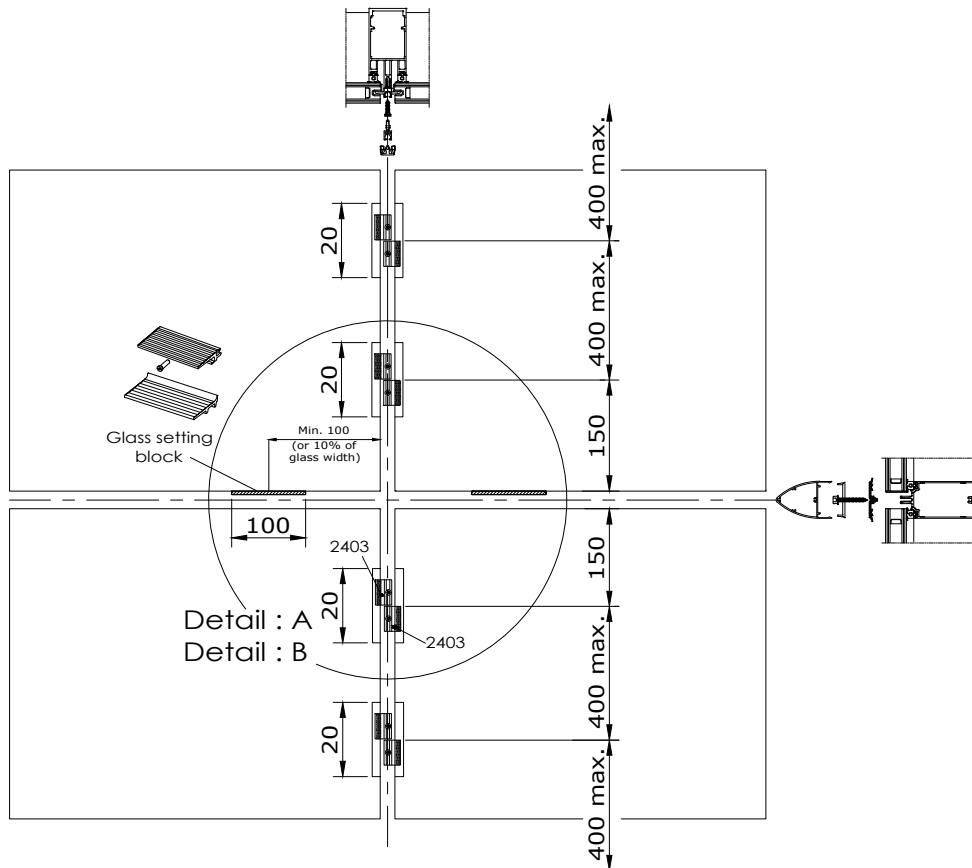
7

## Comar 6EFT



7.50

Location of glazing inserts,  
fixing clamps and  
glass setting block



### Location glazing insert and fixing clamps 2sided SGH (Two Sided Structural Glazed Horizontal cover cap)

#### 1 Glazing inserts (EFT 2401, 2402, 2405, 2416, 2418, 2420)

Left & right edges of glass: Glazing inserts to be located 150mm edge of glass to center of glazing insert at either end. Inserts then spaced at 400mm max. center to center towards the center of the glass unit.

If the center of the glass unit is reached and there is more than a 400mm space between center of inserts, you may go up to a max. of 450mm C.T.C. between those inserts.

Left & right edges of glass: Dependant on wind load, building height and local situation, the glass manufacturer may approve that less inserts can be used. Transom C.T.C <700mm no clamps, C.T.C 700-1000mm 1 clamp, C.T.C 1000-1300mm 2 clamps, C.T.C 1300-1600mm 3 clamps etc.

#### 2 Fixing clamp (EFT 2403)

To be fixed (with screw 5.5 x 23 - 3029 or 5.5x29- 3030)

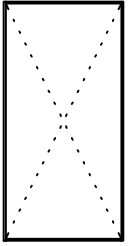
#### 3 Glass setting block (140x - series)

To be fixed (with screws 5.5 x 23 , 3029)

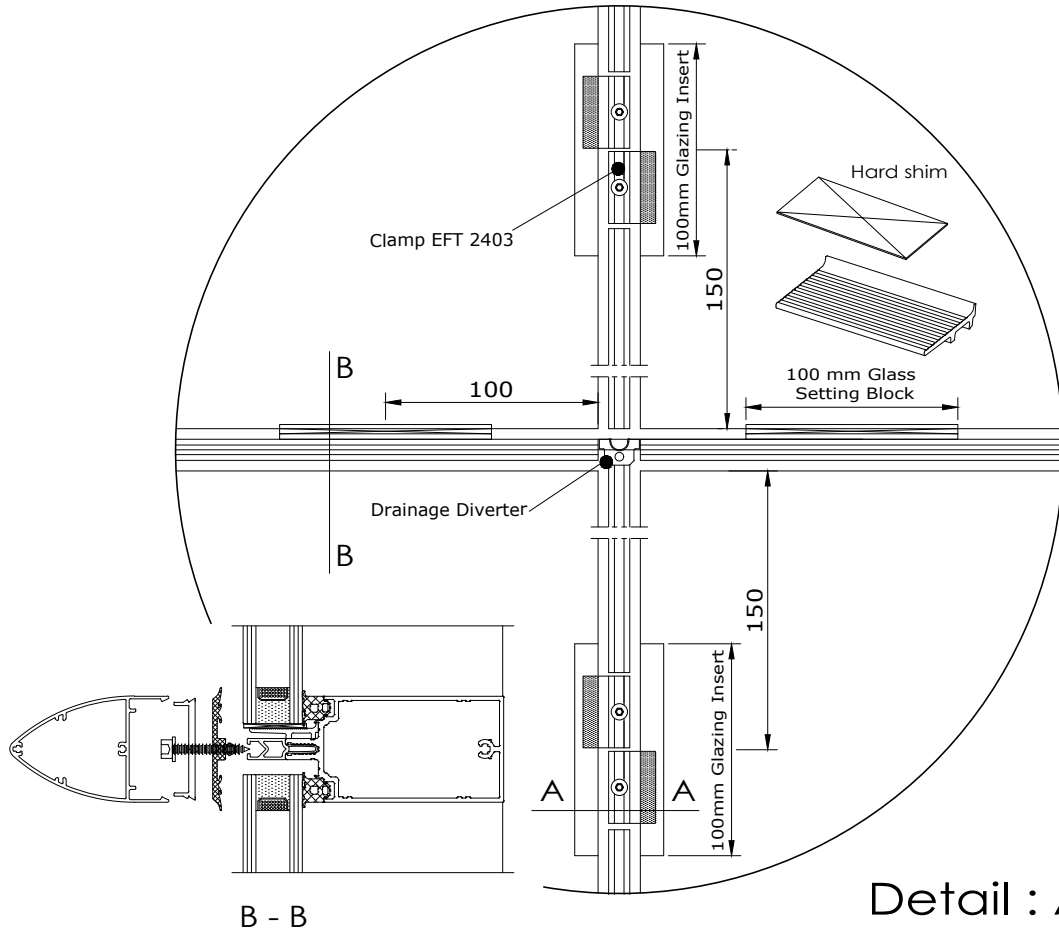
Location and spacing of glazing inserts & glass setting blocks to be approved by glass manufacturer.

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## Location of glazing inserts fixing damps and glass setting block

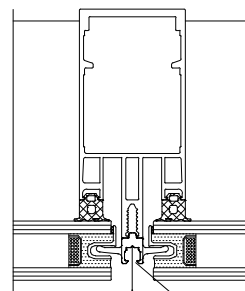


7.51



B - B

Detail : A



A - A

Screw 5.5 x 23 , 3029

Thermal break 12mm EFT 2197

(EPDM) Joint gasket 20 mm EFT 2175

(EPDM) Joint gasket 20 mm EFT 2182

Optional: Silicone Joint with  
(EPDM) gasket 20 mm EFT 2170  
- use bond breaker tape at  
gasket / silicon joint

Clamp EFT 2403



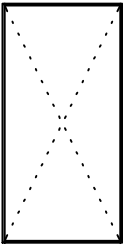
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# Installation

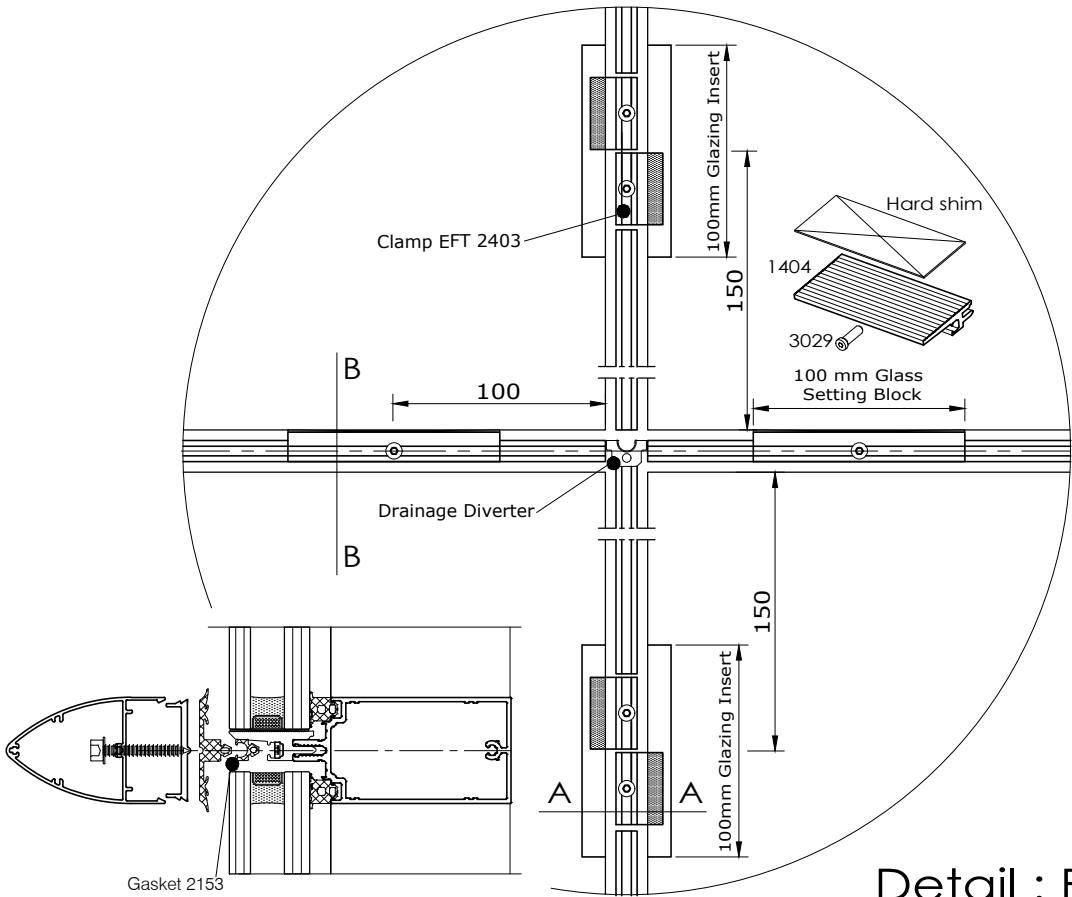
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## Comar 6EFT



Location of glazing insert,  
fixing clamps and  
glass setting block

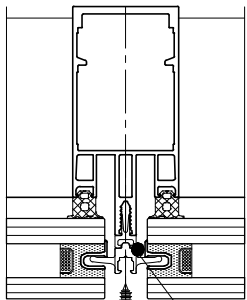
7.52



Gasket 2153  
6mm thick, 100 mm length  
2200 thermal break beyond

B - B

Detail : B



A - A

Screw 5.5 x 29 , 3030

Gasket 6mm , 2186

Thermal break 18mm EFT 2200

(EPDM) Joint gasket 20 mm EFT 2175

(EPDM) Joint gasket 20 mm EFT 2182

Optional: Silicone Joint with  
(EPDM) gasket 20 mm EFT 2170  
- use bond breaker tape at  
gasket / silicon joint

Clamp 2403

Extension profile  
1407 70mm length

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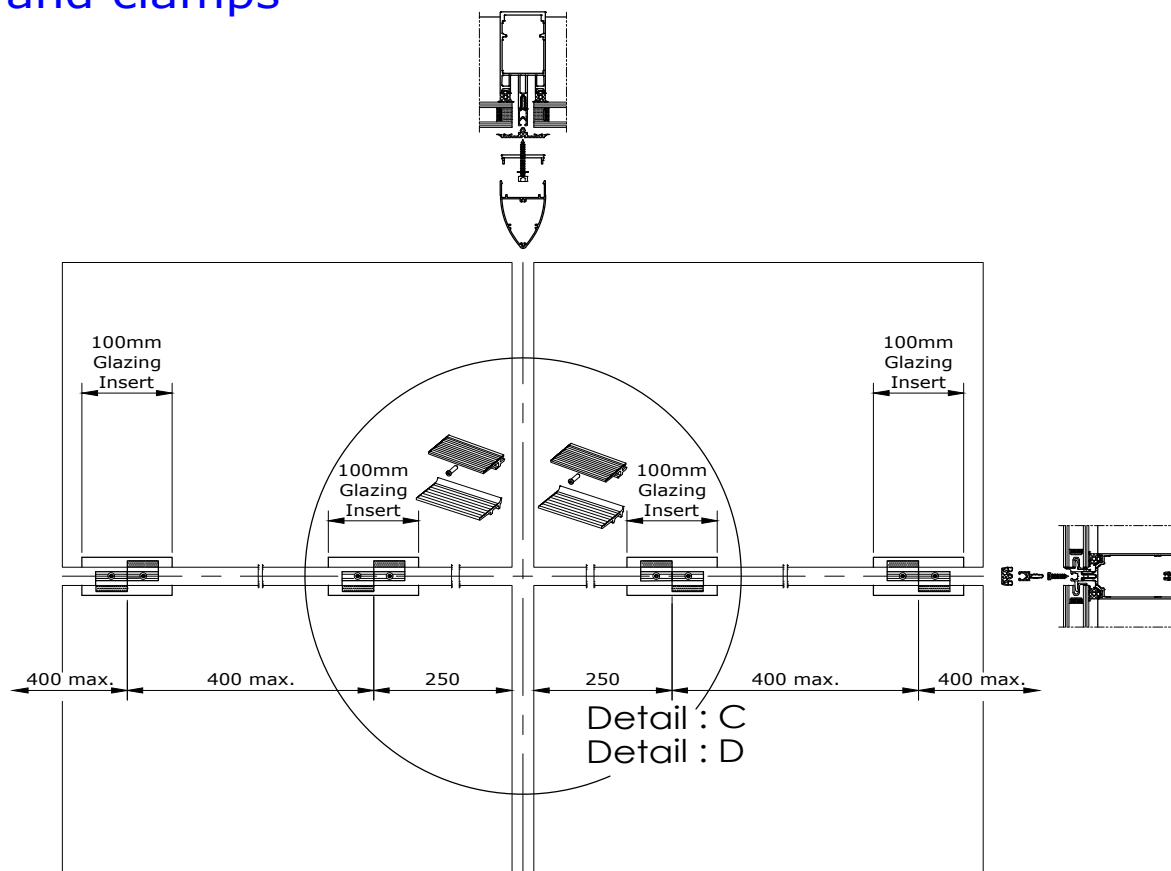
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## Spacing of inserts and clamps



7.53



### Location of glazing inserts and fixing clamps 2sided SGV (Two Sided Structural Glazed, vertical cover cap)

#### 1 Glazing inserts (EFT 2401, 2402, 2405, 2416, 2418, 2420)

Top and bottom edge of glass: Glazing inserts to be located 250mm edge of glass to center of glazing insert at either end. Inserts then spaced at 400mm max. center to center towards the center of the glass unit.

If the center of the glass unit is reached and there is more than a 400mm space between center of inserts, you may go up to a max. of 450mm C.T.C. between those inserts.

Transom C.T.C < 700mm no clamps, C.T.C 700-1000mm 1 clamp, C.T.C 1000-1300mm 2 clamps, C.T.C 1300-1600mm 3 clamps etc.

Dependant on wind load, building height and local situation, the glass manufacturer may approve that less or more inserts can be used.

#### 2 Fixing clamp (EFT 2403)

Clamps to be fixed (with screw 5.5x 23 - 3029 or 5.5x29- 3030)

#### 3 Glass setting block (140x - series)

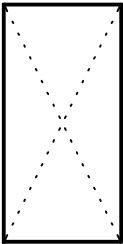
To be fixed (with screws 5.5 x 23 , 3029)

Location and spacing of glazing inserts & glass setting blocks to be approved by glass manufacturer.

# Installation

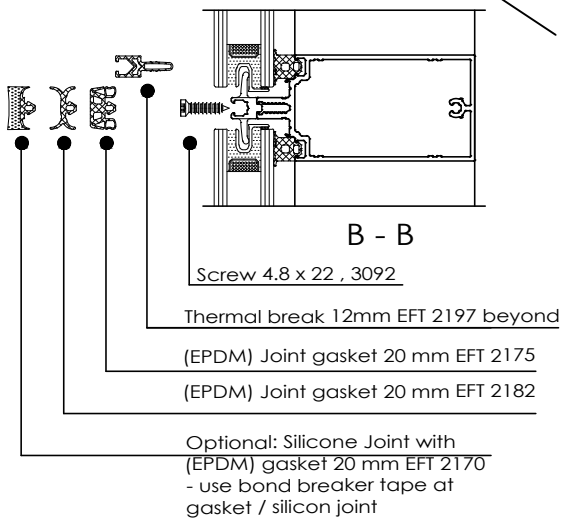
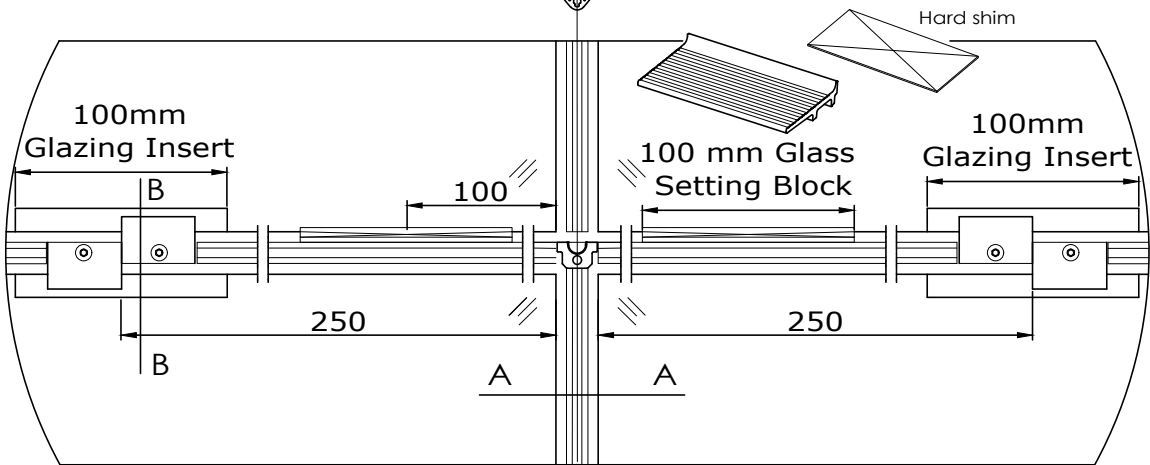
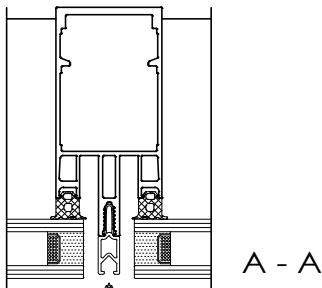
7

Comar 6EFT



Location of glazing inserts, fixing clamps and glass setting block

7.54



Detail : C

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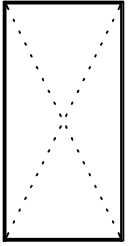


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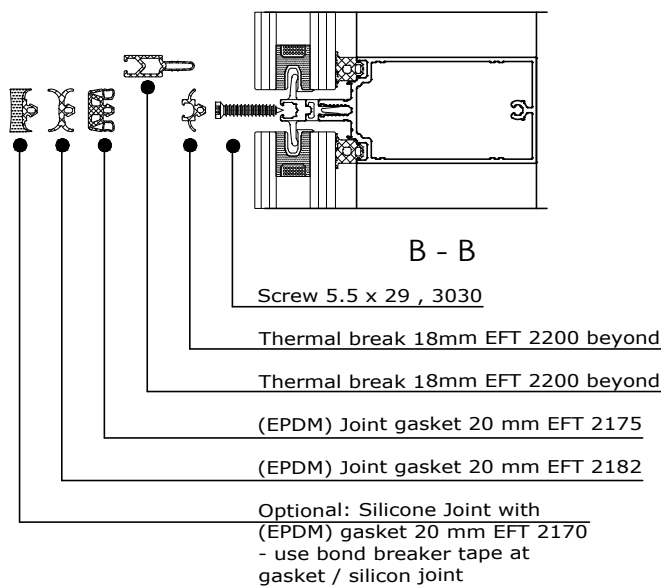
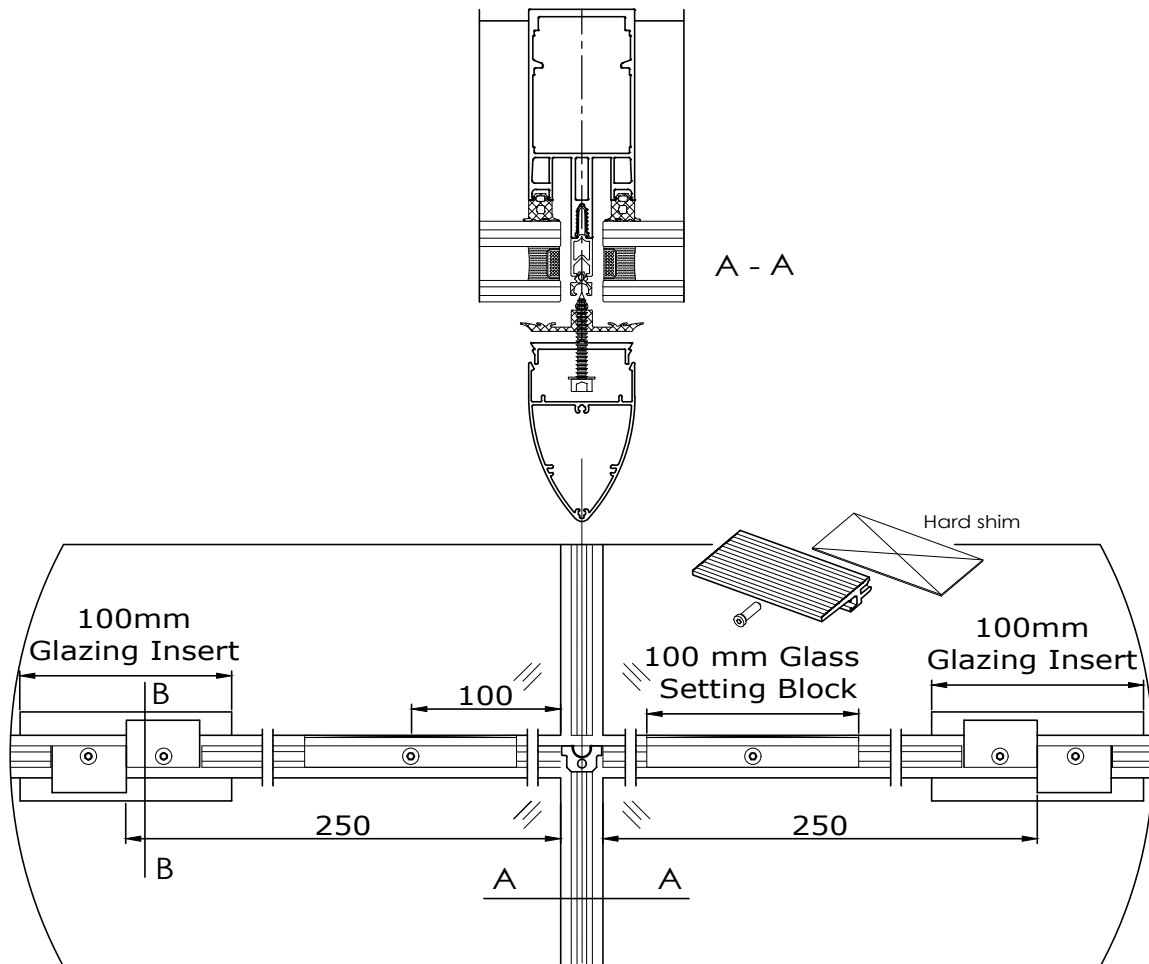
Installation

Comar 6EFT

## Location of glazing insert fixing damps and glass setting block



7.55



Detail : D

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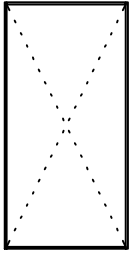
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Date: 10-16

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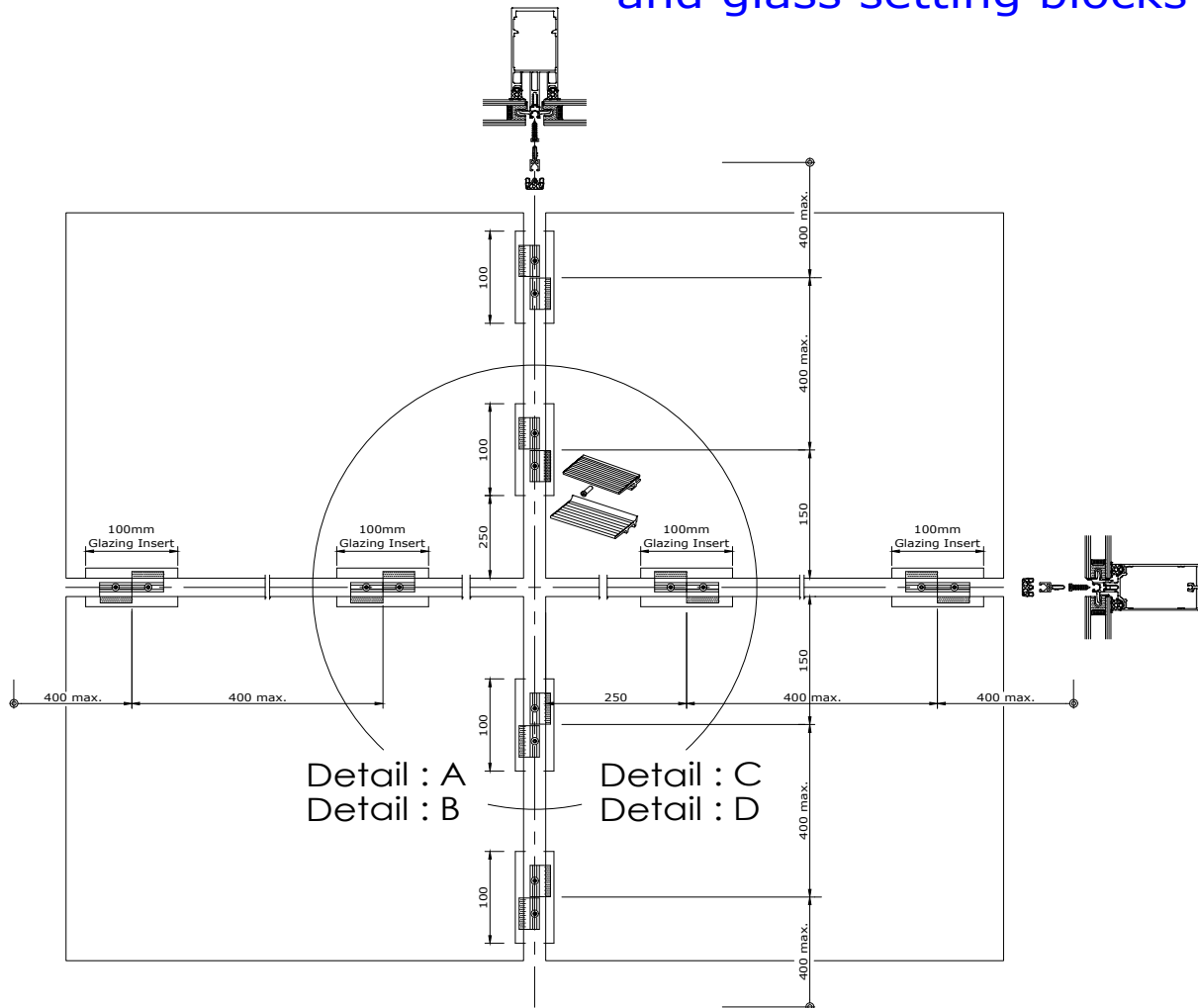
7

## Comar 6EFT

### Spacing of insert, dampers and glass setting blocks



7.56



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## Fabricators Guide

### Location glazing insert and fixing clamps - 4 sided Structural Glazing

#### 1 Glazing inserts (EFT 2401, 2402, 2405, 2416, 2418, 2420)

Top and bottom edge of glass: Glazing inserts to be located 250mm edge of glass to center of glazing insert at either end. Inserts then spaced at 400mm max. center to center towards the center of the glass unit.

Left & right edges of glass: Glazing inserts to be located 150mm edge of glass to center of glazing insert at either end. Inserts then spaced at 400mm max. center to center towards the center of the glass unit.

If the center of the glass unit is reached and there is more than a 400mm space between center of inserts, you may go up to a max of 450mm C.T.C. between those inserts.

#### 2 Fixing clamp (EFT 2403)

Clamps to be fixed (with screw 5.5 x 23 - 3029 or 5.5 x 29 - 3030)

#### 3 Glass setting block (140 x - series)

To be fixed (with screws 5.5 x 23 , 3029)

Location and spacing of glazing inserts & glass setting blocks to be approved by glass manufacturer.



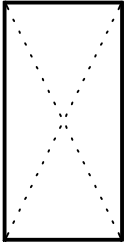
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## Thermal break installation

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For correct isolator/thermal break, refer to glazing charts in section 3.

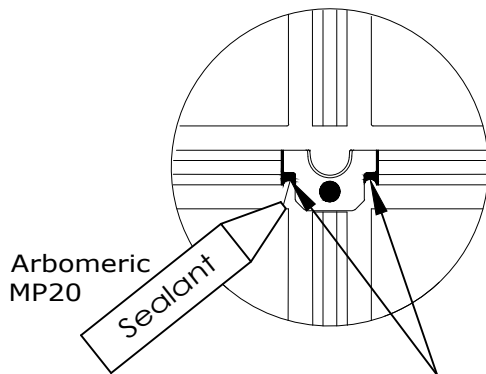
### 2 or 4 sided structural glazing

The thermal break must be cut to length between glass setting blocks and clamps.

7.57

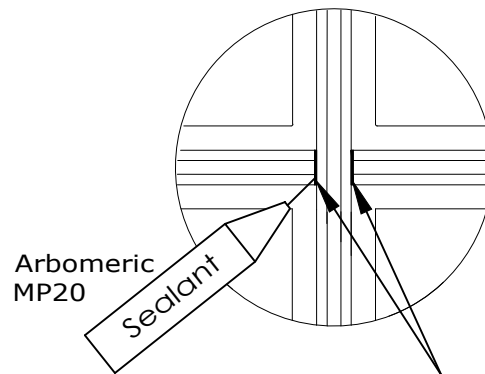
Isolator/thermal break to be sealed as shown below in all configurations.

#### Where a drainage diverter is installed



Apply sealant at  
both edges of  
transom-thermal break

#### Where no drainage diverter is installed

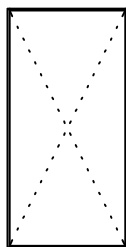


Apply sealant at  
both edges of  
transom-thermal break

## Installation

7

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Drainage diverter  
Installation

Drainage diverters are to be installed:

- On each mullion at the transom joint nearest the ground.
- Upside down at the highest mullion-transom joint.
- Each mullion for the cruciform above each mullion joint.
- The mullion-transom joint above any doors.

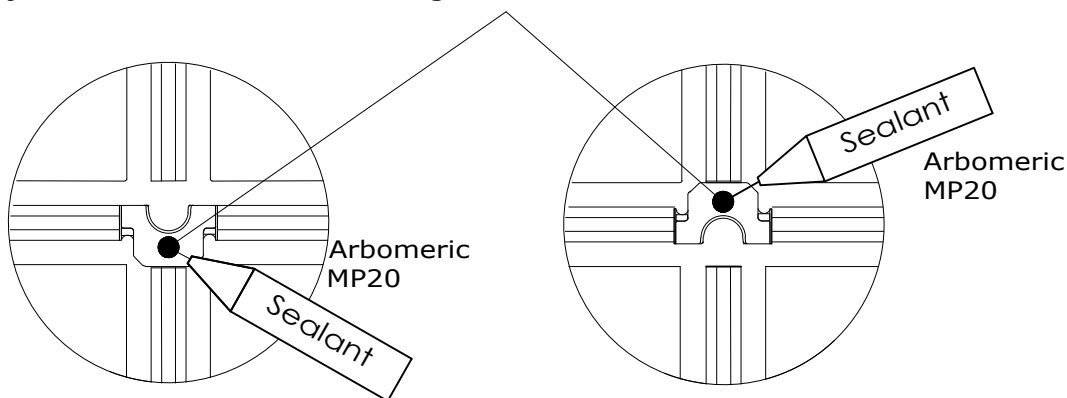
Notes:

7.58

- A drainage diverter at every cruciform for zone drainage is optional.
- For 4 sided structural jobs, spout of drainage diverter to be cut back to 3mm long. Refer to page 7.41.
- For correct drainage diverter, refer to glazing charts in section 3.

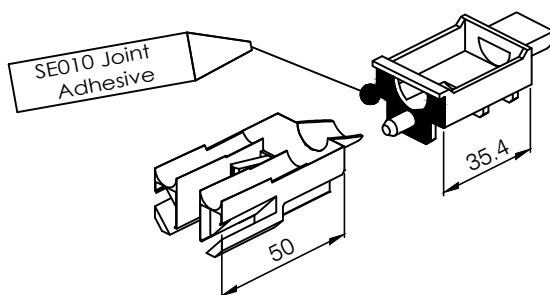
Locate drainage diverter ensuring it is pushed back flush with the mullion

Inject sealant into hole in drainage diverter and ensure sealant covers all sides



- Lowest mullion-transom joint
- Cruciform above each mullion joint
- At mullion-transom connection above doors
- Installed upside down at highest mullion-transom > 3m in height (for pressure equalisation)

Connection Drainage diverters XX2023 (50mm) &  
Extension drainage diverter (35mm) XX2032



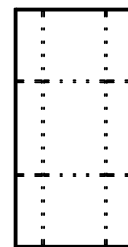
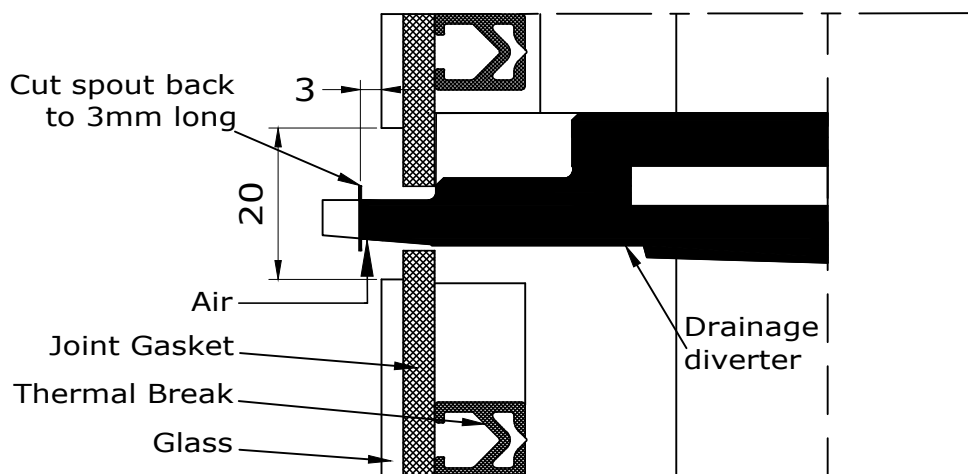
7

Installation

## 4sided SG drainage & ventilation detail

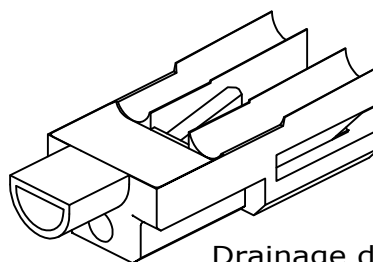
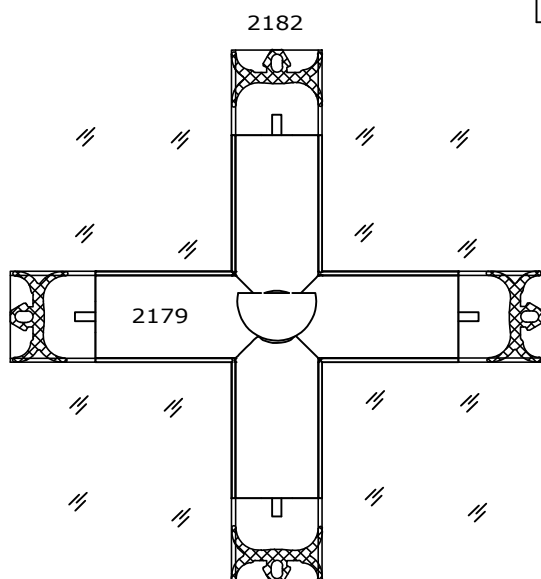
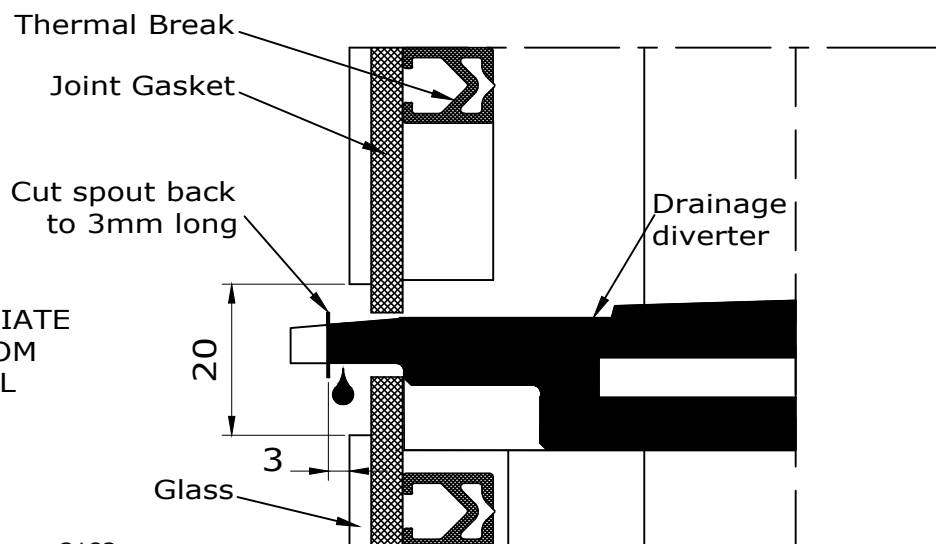
Comar 6EFT

TOP  
DETAIL



7.59

INTERMEDIATE  
& BOTTOM  
DETAIL



Drainage diverter:  
-2021 50mm  
-2019 54mm  
-2020 56mm  
-2026 64mm  
-2027 72mm

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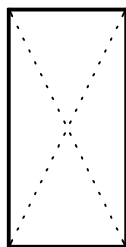
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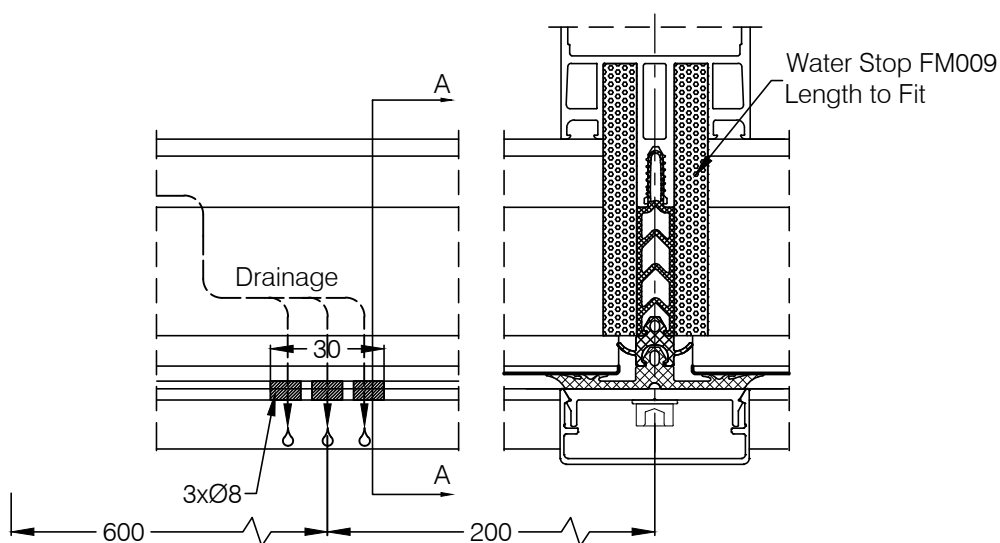
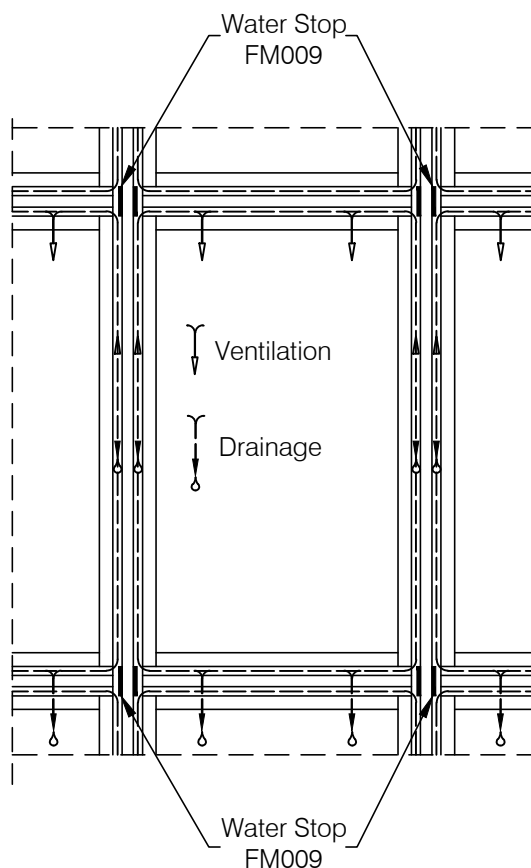
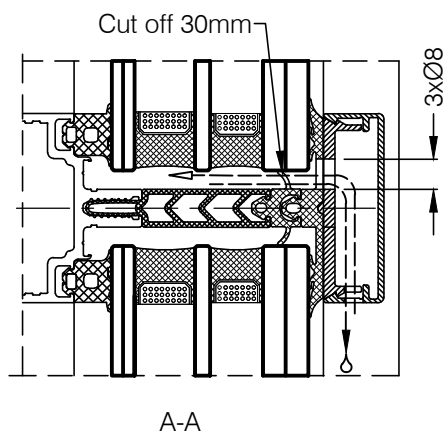
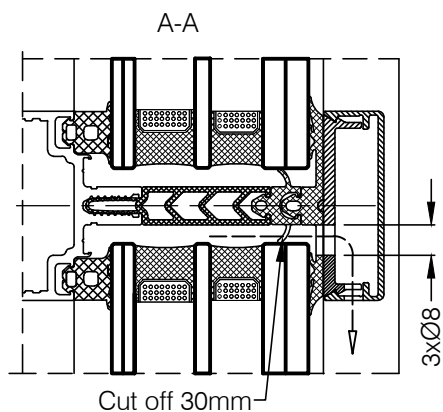
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7.60

## Drainage & Ventilation by Individual Window



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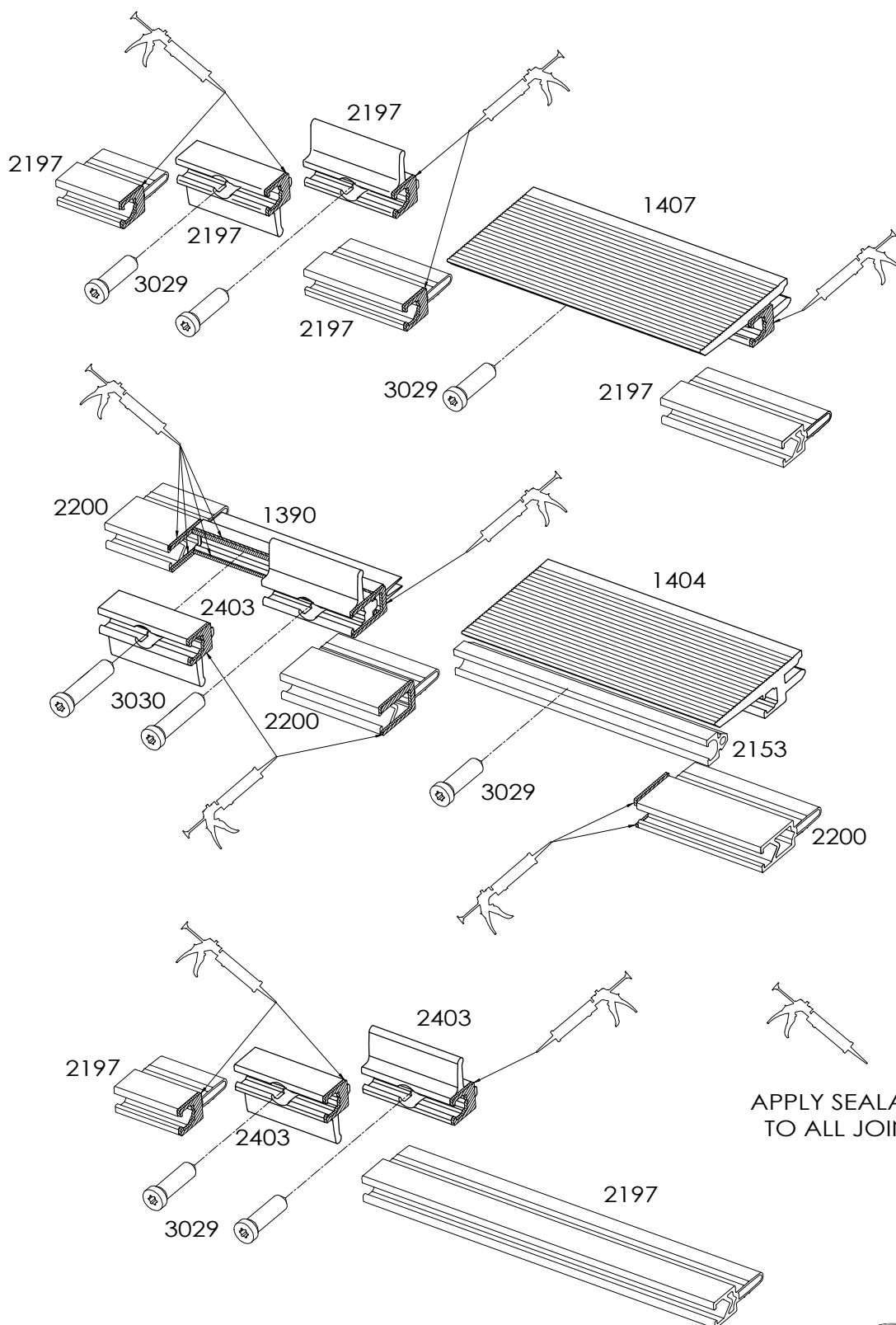
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## Sealing



7.61



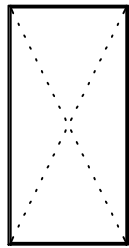
APPLY SEALANT  
TO ALL JOINT

# Installation 7

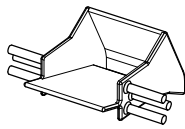
## Comar 6EFT

## Transom drainage diverter

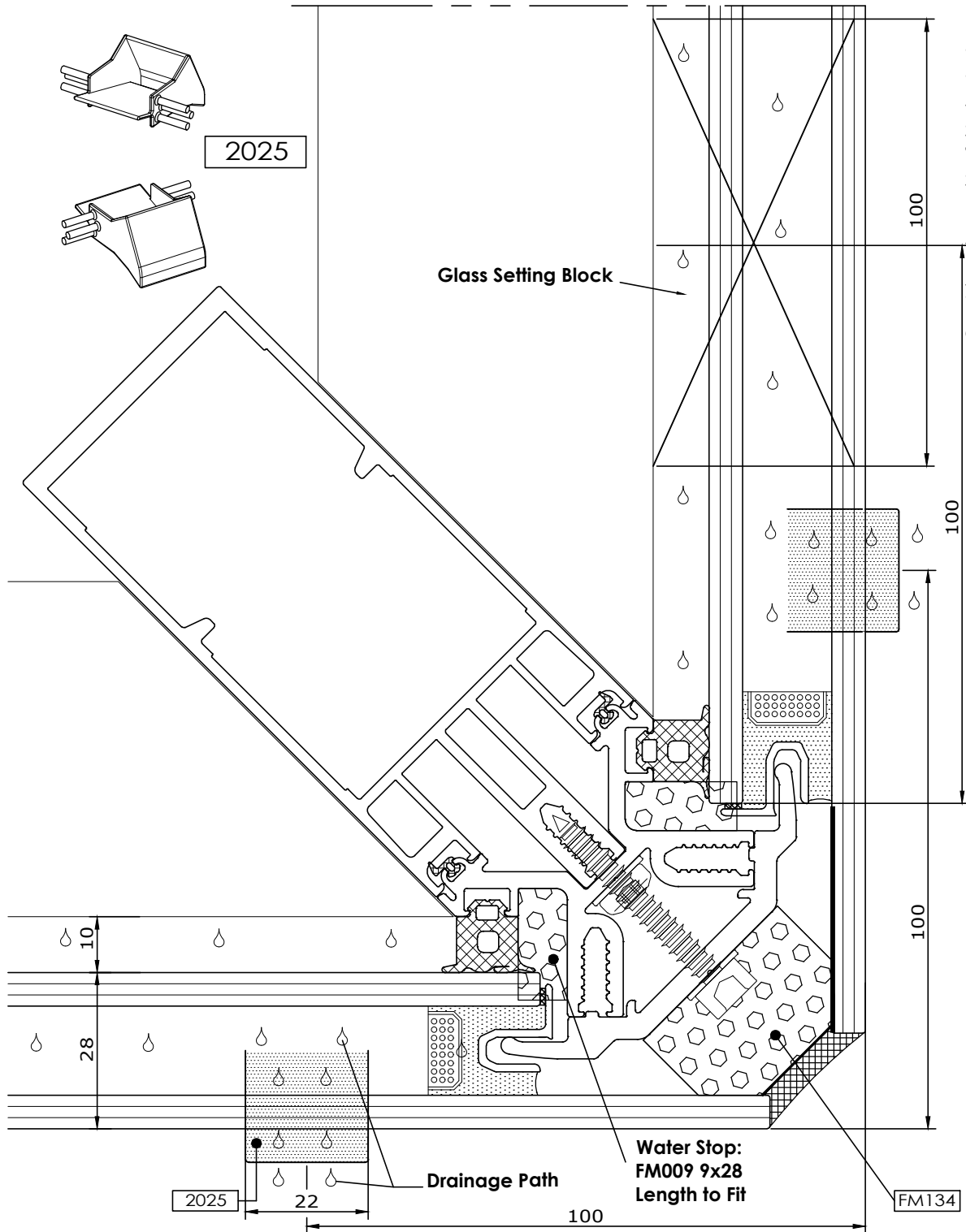
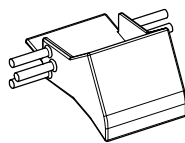
Transom drainage diverter 2025 to be used on 4 sided SG facetted screens and any 4sided SG corners.



7.62



2025



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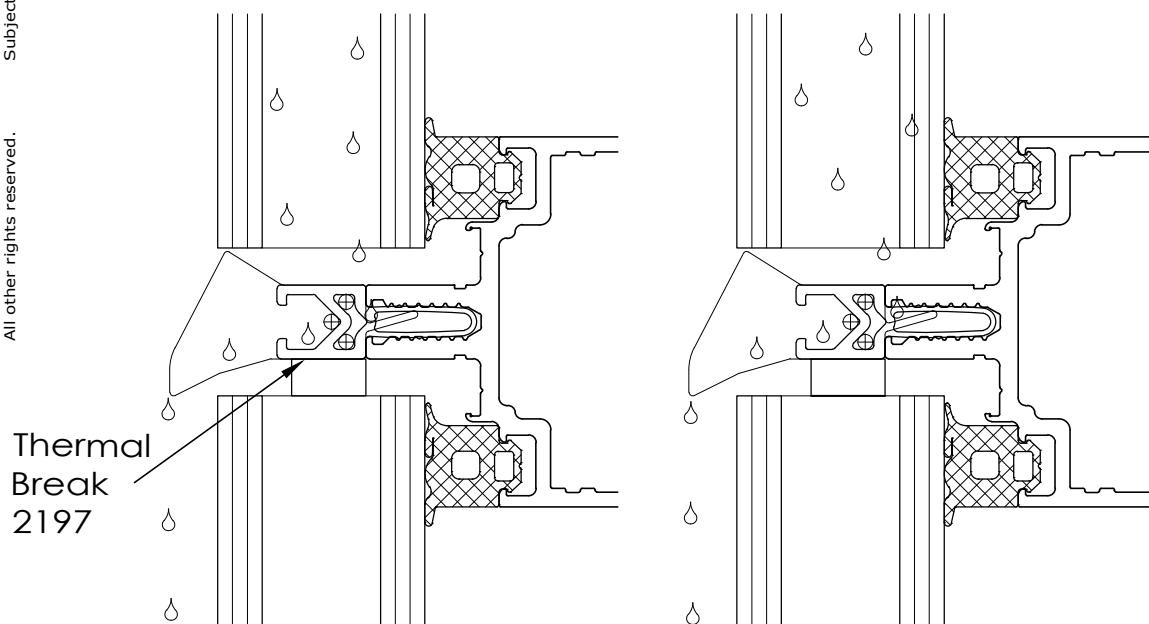


## Transom drainage diverter

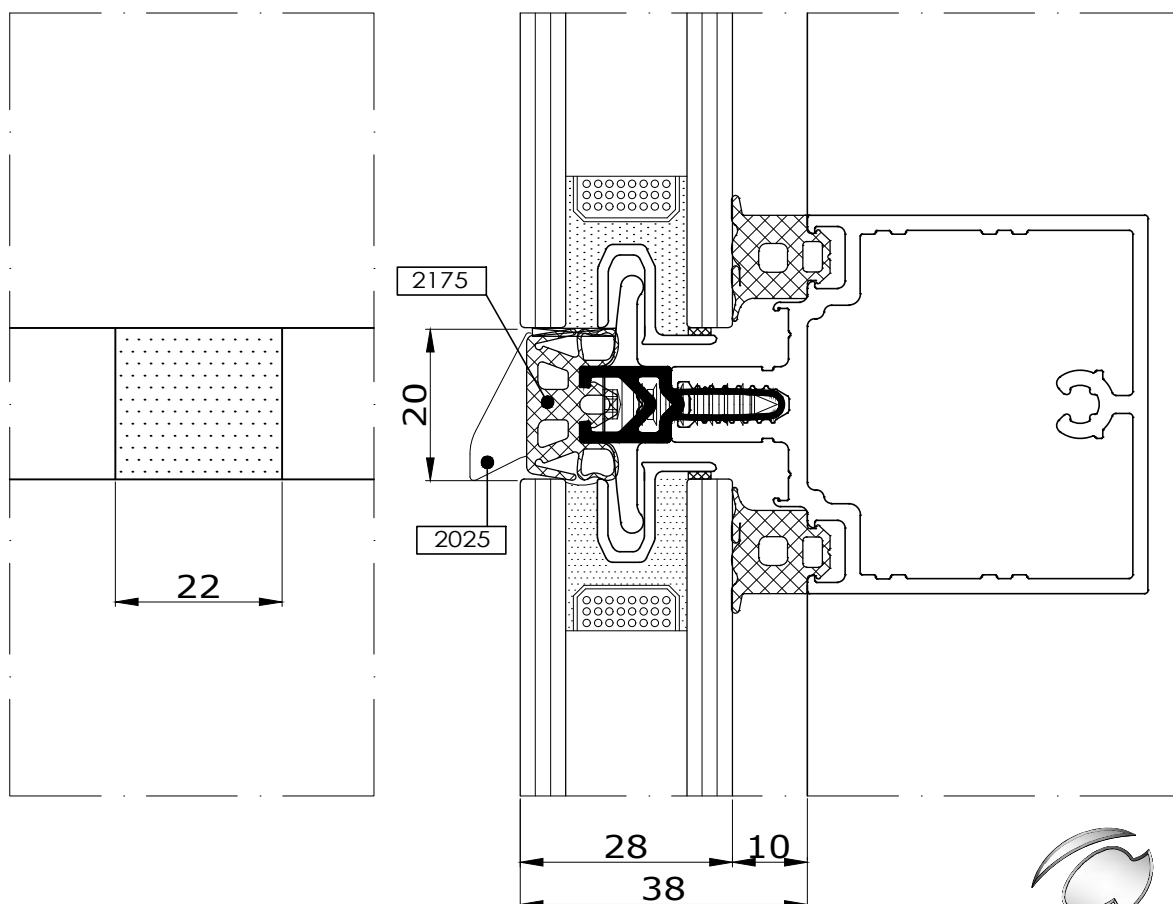
Transom drainage diverter 2025 to be used on 4sided SG facettted screens and any 4 sided SG corners.



7.63



Thermal  
Break  
2197



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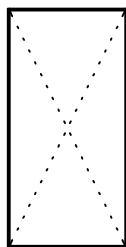
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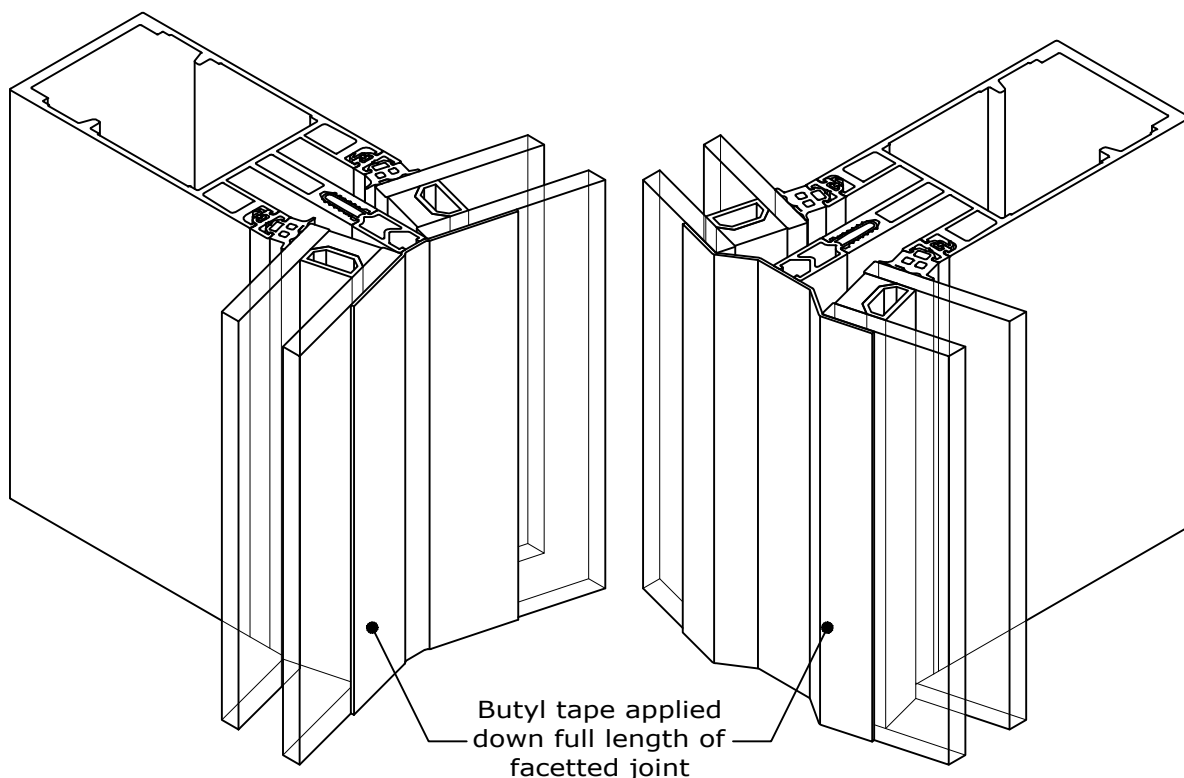
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## Butyl tape application

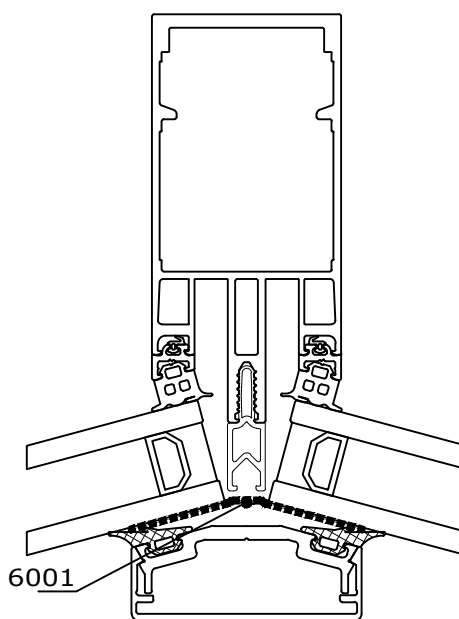
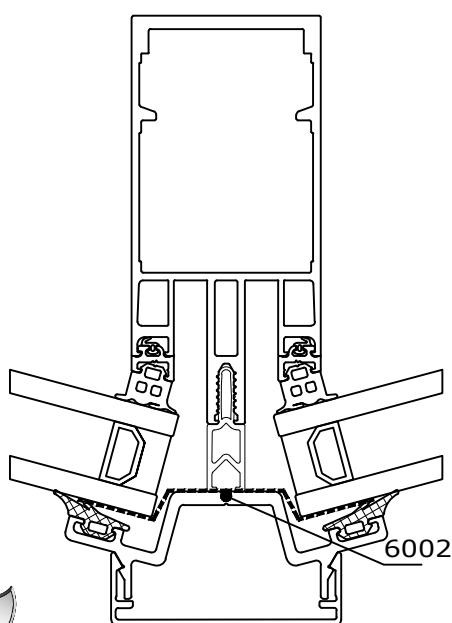


7.64



Butyl tape 6001 or 6002 to be installed full height of the mullion down any faceted angle joint to be covered by a pressure plate & cover cap.

Punched & drilled holes for pressure plate screws, drainage diverters and pressure equalization.



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## Single gasket installation

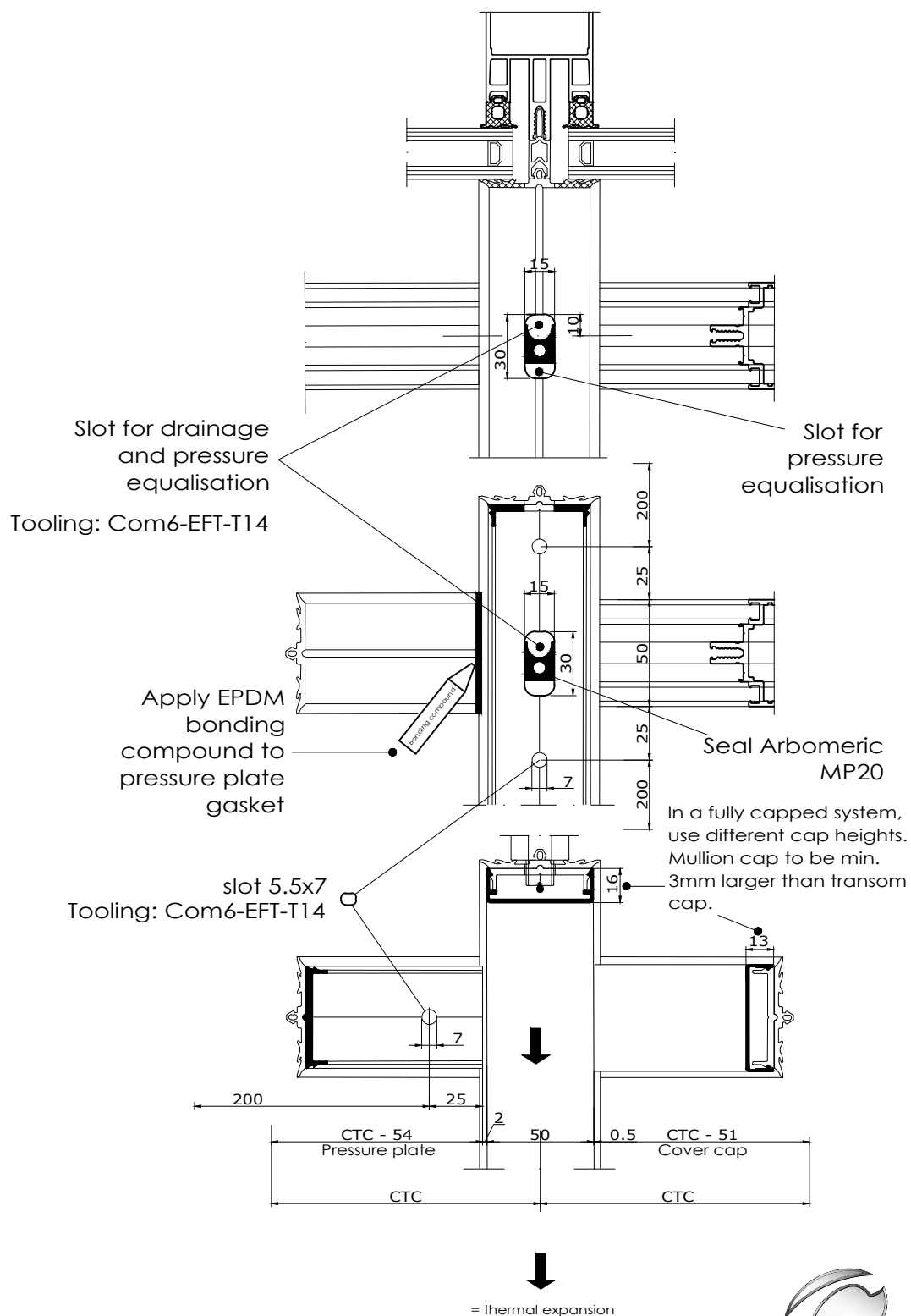
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Installation

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7.65



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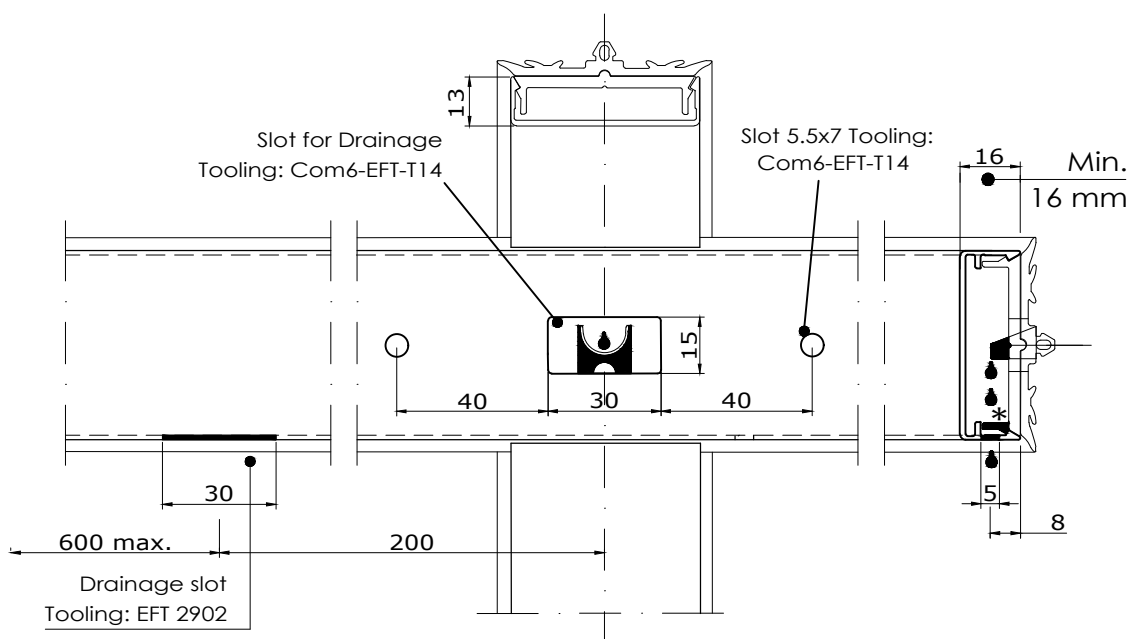
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Draining horizontal

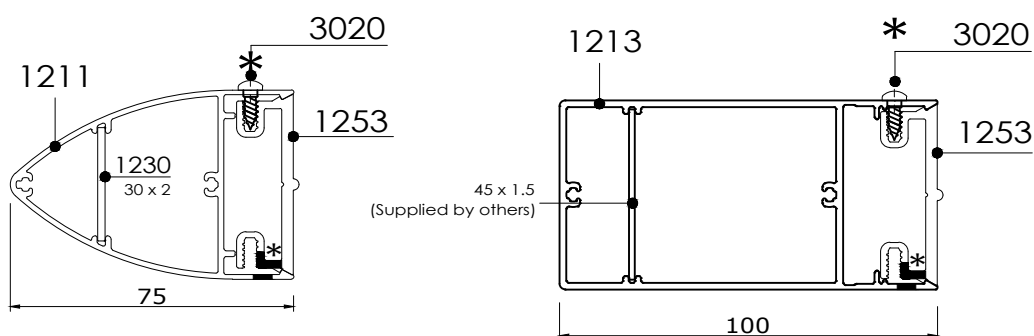


7.66

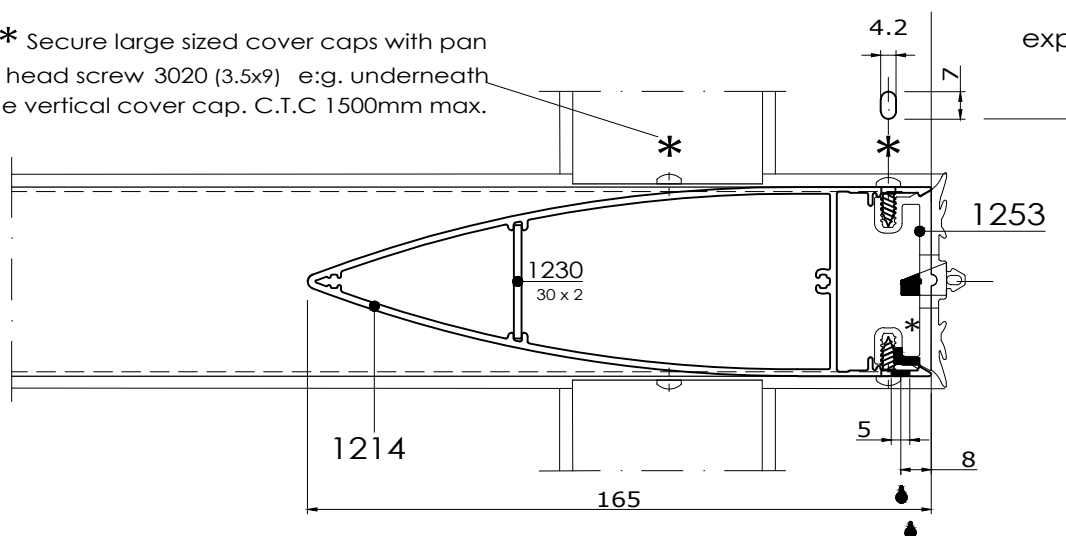


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## FIXING LARGE COVER CAPS



\* Secure large sized cover caps with pan head screw 3020 (3.5x9) e.g. underneath the vertical cover cap. C.T.C 1500mm max.



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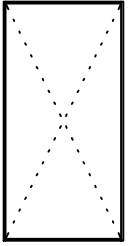
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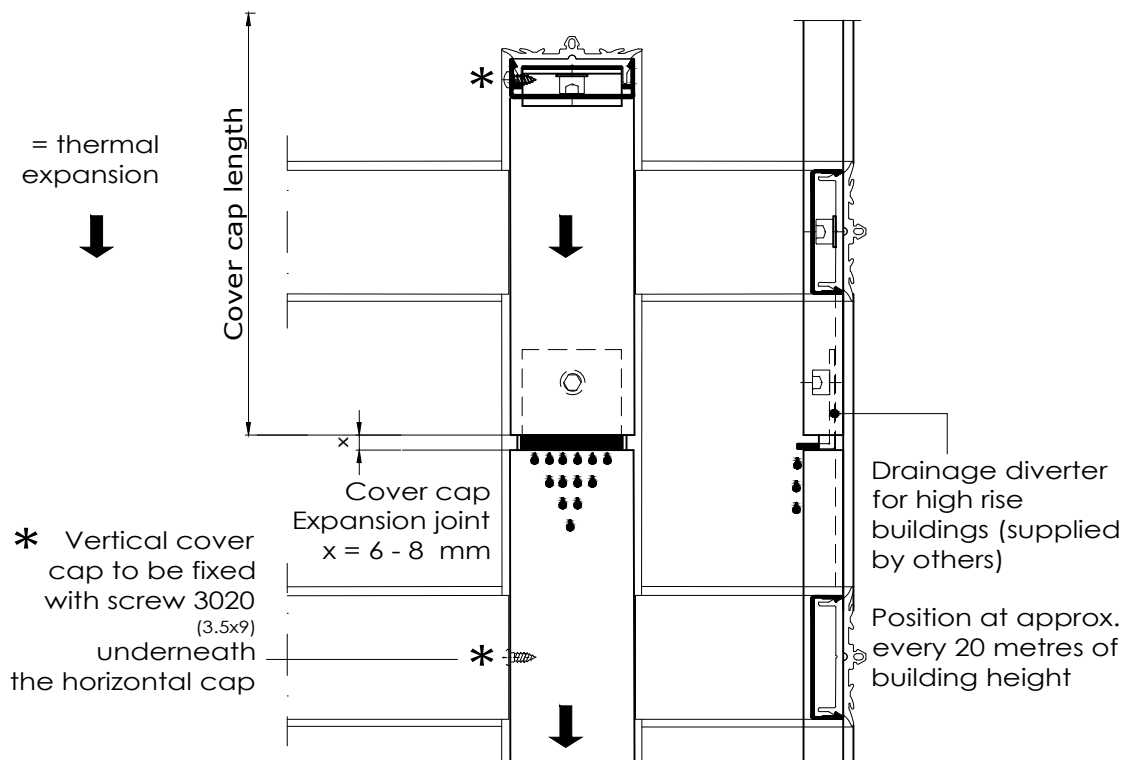
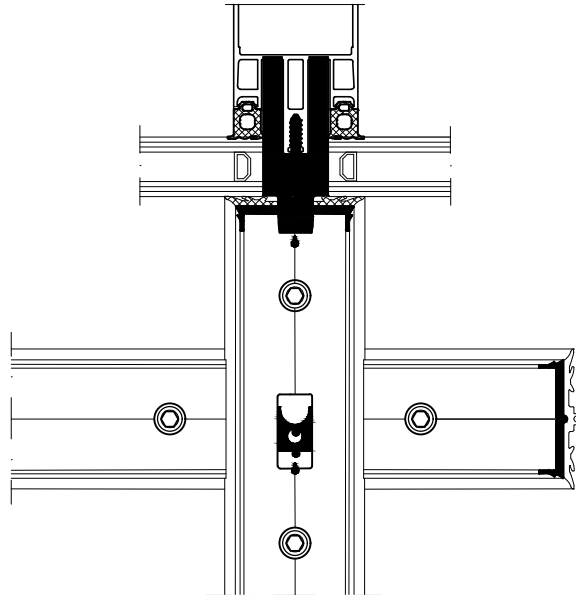
Installation

## Draining large heights Fixing vertical cover caps

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7.67



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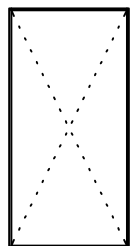
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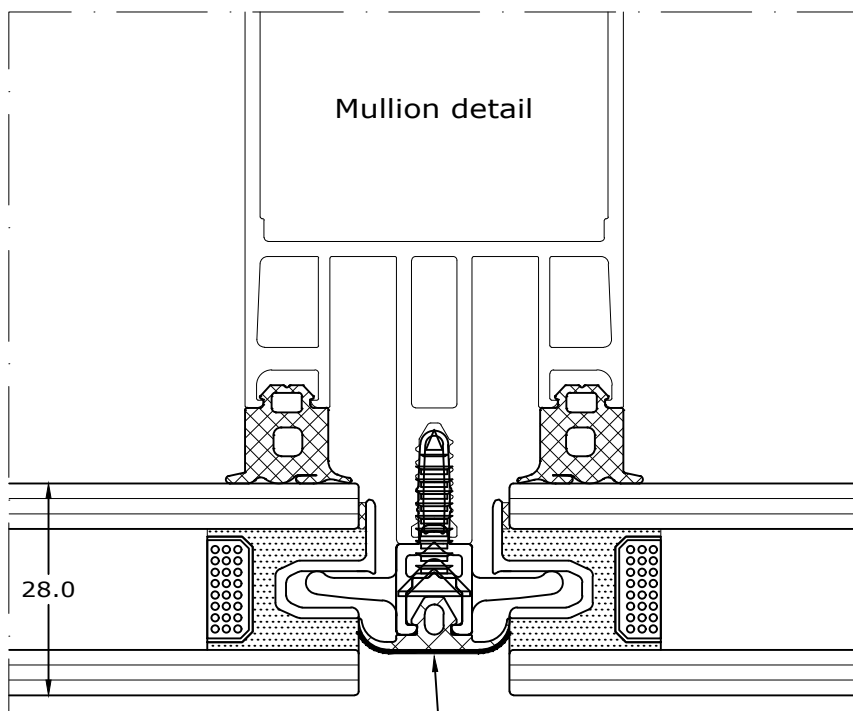
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### Silicone seal & bond breaker tape application



7.68

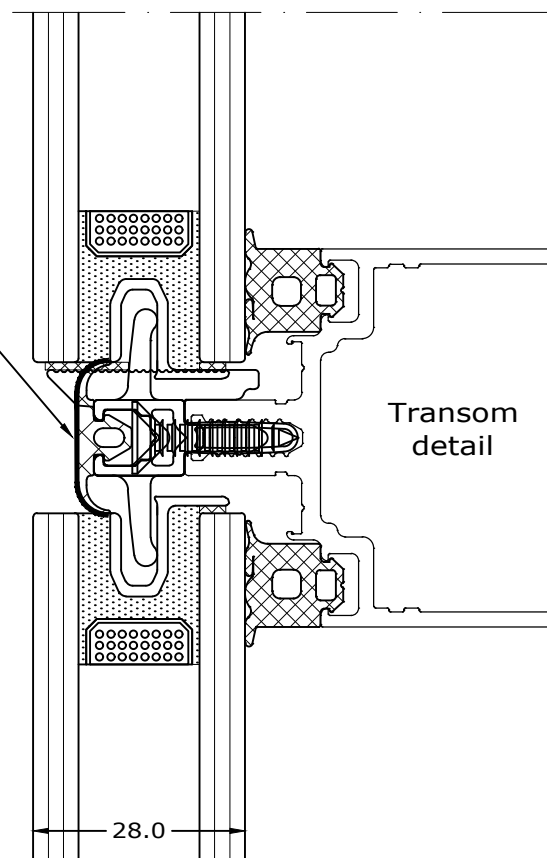
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Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

It is the silicone installers responsibility to supply and apply a suitable bond breaker tape and silicone seal.

A warranty on the silicone seal should be obtained from the silicone installer company.



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