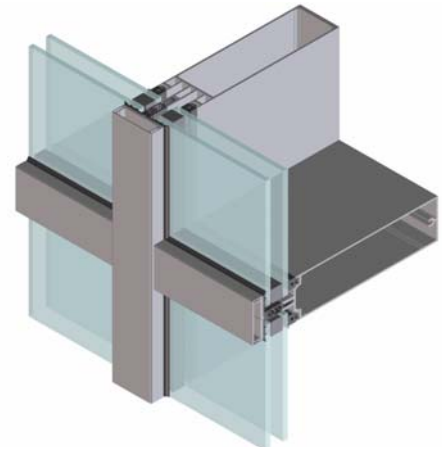
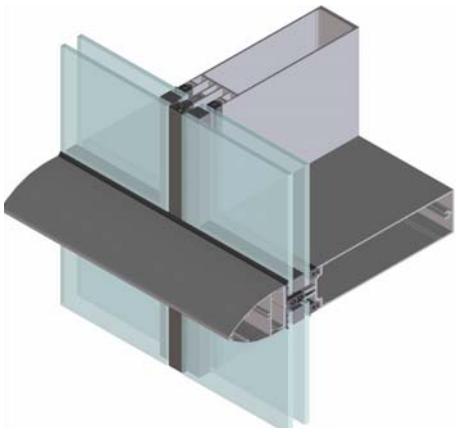
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1 Stick Curtain Walling

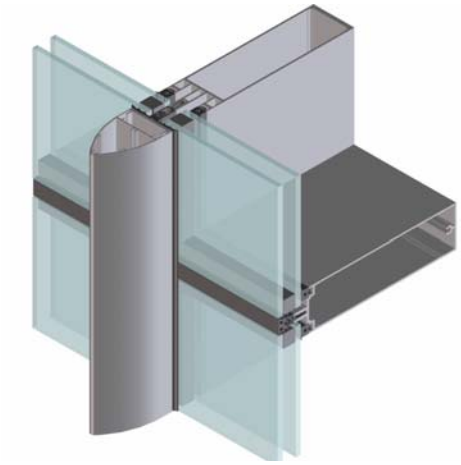
Comar 6EFT



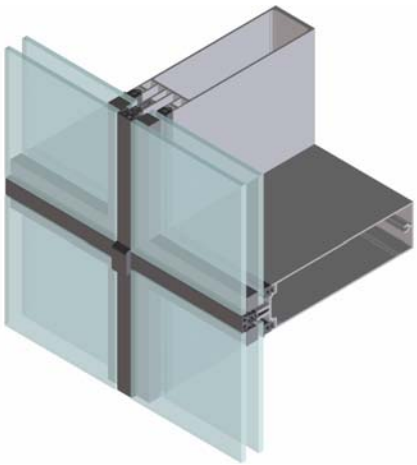
Capped



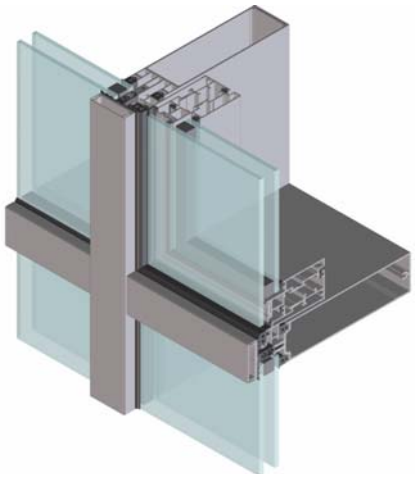
2sided SGH



2sided SGV



4sided SG



Concealed Vent

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Date : 10-16

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ARCHITECTURAL ALUMINIUM SYSTEMS

Fabricators Guide

Introduction

Designing reassurance from the first stroke of a pencil is often the desire of even the most innovative practice. A proven system that has the potential of providing bespoke solutions exceeding current capability is now a reality.

To provide a flexible approach to aluminium facade engineering, Comar Architectural Aluminium Systems launch Comar 6 EFT utilising European wide design and extrusion expertise with Comar's market leading supply, support and delivery.

Comar 6 EFT delivers curtain walling with 50 mm standardised sight-lines with options for 4 sided structural glazing, 2 sided structural glazing with horizontal (SGH) or vertical (SGV) capping, concealed vents which maintain the slim 50 mm sight - lines.

Comar 6 EFT offers architects a custom-made solution with time proven reassurance. Design flexibility is at your finger-tips which offers performance beyond the capability of existing systems.

Comar 6 EFT Curtain Walling

The Comar 6 EFT 50 Curtain Walling Systems have been developed by experienced designers and are tested to the best European test institutes.

Comar 6 EFT Curtain Walling and Comar 6 EFT Concealed Vent System is the result of in-depth research and architecturally oriented developments.

The Comar 6 EFT Curtain Walling Systems:

1 Facades

1. Comar 6 EFT Capped Curtain Walling
Capped glazing system for vertical applications in single or double glazing.

2. Comar 6 EFT 2 Sided SGH
Two sided structural glazing with horizontal cover cap for vertical applications in single or double glazing.

3. Comar 6 EFT 2 Sided SGV
Two sided structural glazing with vertical cover cap for vertical or sloping applications in single or double glazing.

4. Comar 6 EFT 4 Sided SG
Four sided structural glazing for vertical or sloping applications in single or double glazing.

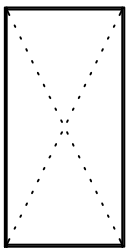
2 Windows

5. Comar 6 EFT Concealed Vent
Top project or side project window range,
Integrated into Comar 6 EFT Fully Capped Curtain Walling, Comar 6 EFT 2sided SGV or SGH & Comar 6 EFT 4sided SG

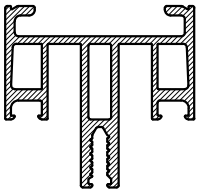
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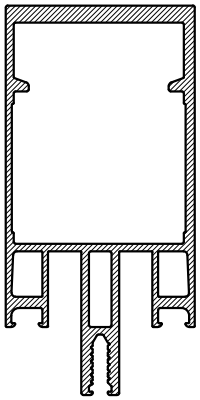
Mullions



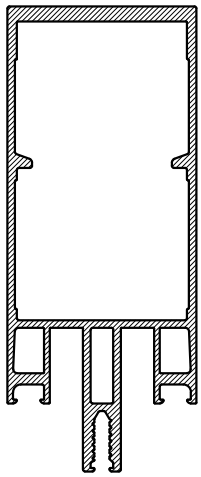
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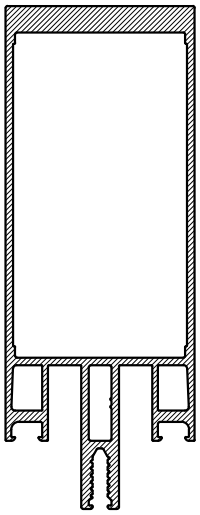
1025
30mm mullion
Direct fix to steel or timber



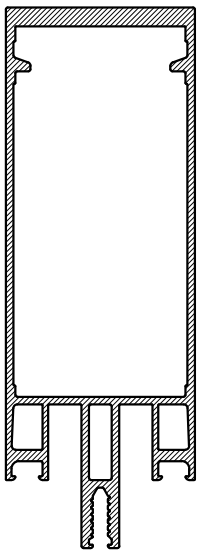
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85mm mullion



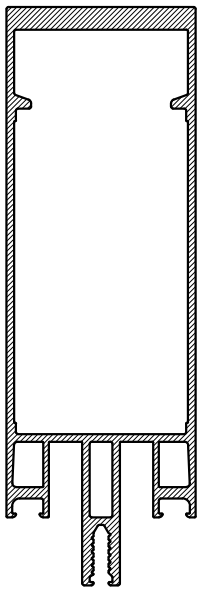
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105mm mullion



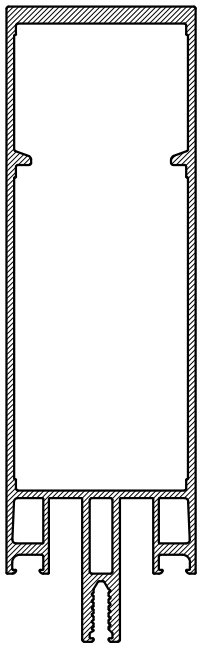
1069
115mm mullion



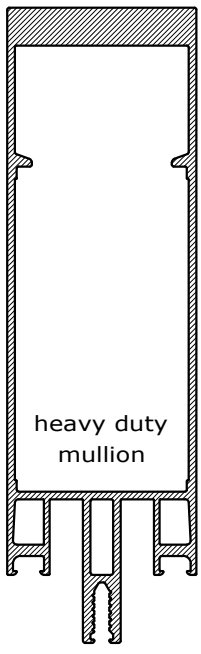
1073
125mm mullion



1074
135mm mullion



1076
150mm mullion



1075
150mm mullion

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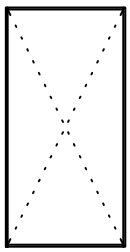
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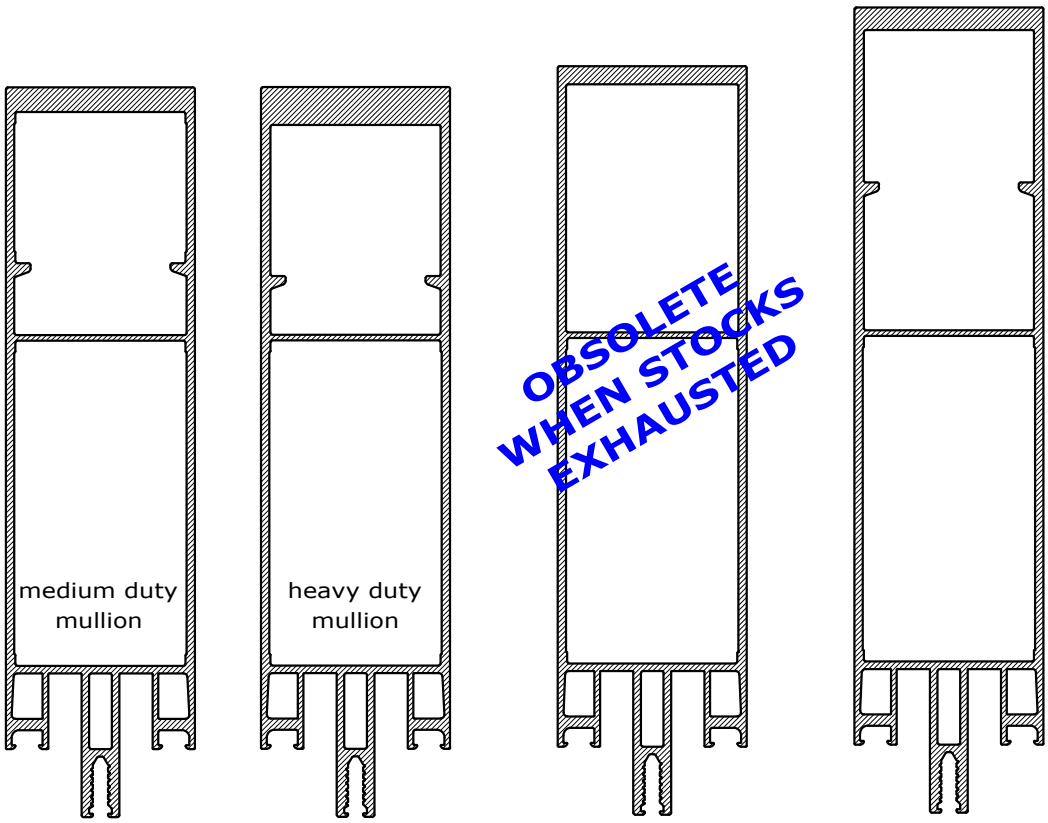
Comar 6EFT

Mullions



1.01

Profiles Identification



1077	1085	1078	1080
175mm mullion	175mm mullion	180mm mullion	195mm mullion

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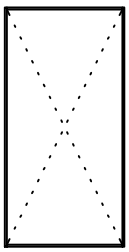
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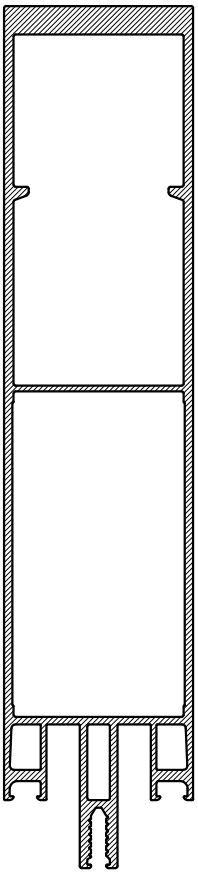
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Mullions

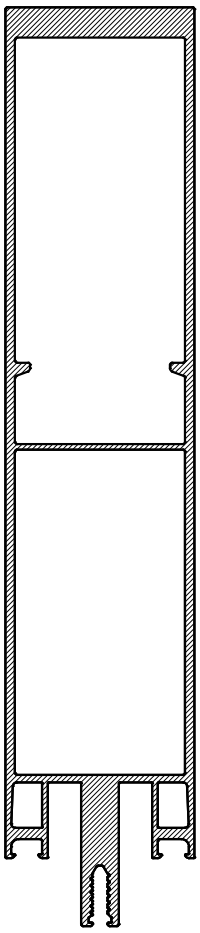


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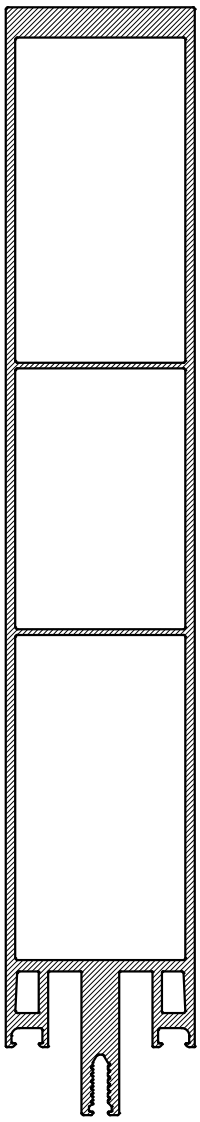
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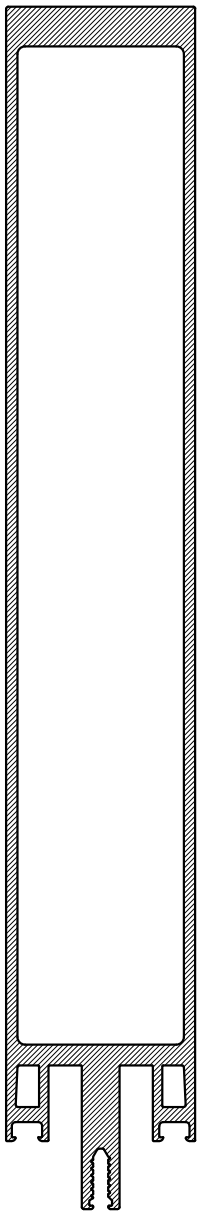
1082
210mm mullion



1087 *
225mm mullion



1090 *
275mm mullion



1095 *
300mm mullion

* These profiles are for project only and not held in stock. Profiles will be subject to longer lead times. Please contact our office for information.

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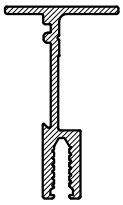
Comar 6EFT

Split Mullions

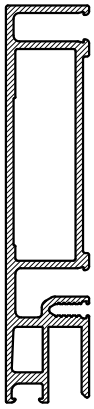
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1.03

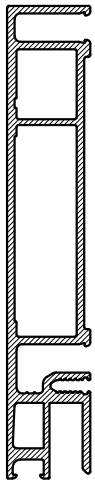
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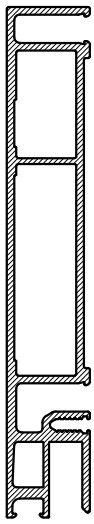
1033
Split mullion nosing adaptor



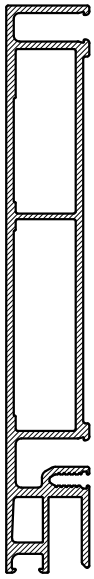
1037
105mm split mullion



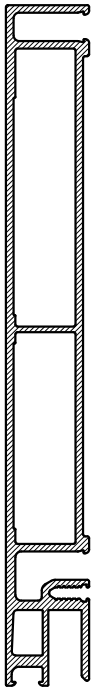
1038
125mm split mullion



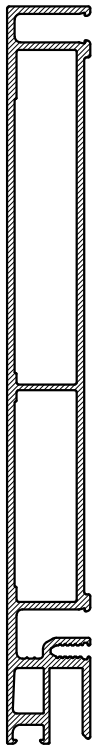
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135mm split mullion



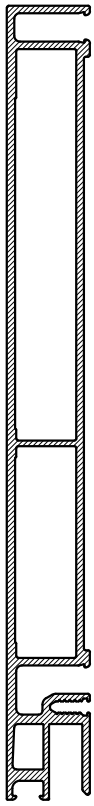
1040
150mm split mullion



1042
180mm split mullion



1043
195mm split mullion



1044
210mm split mullion

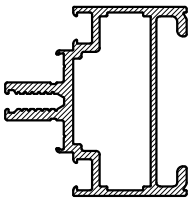
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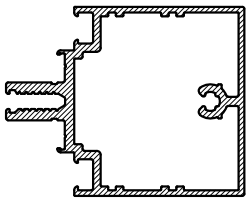
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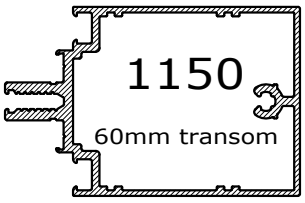
Transoms

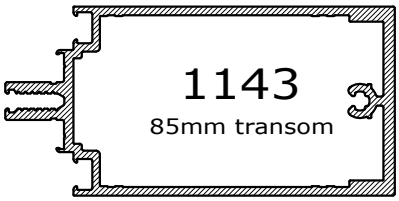


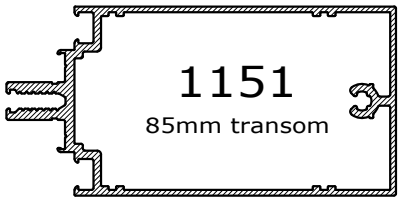
1125
30mm transom Direct fix to steel or timber

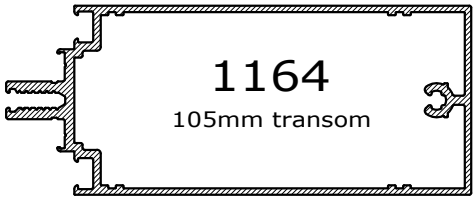


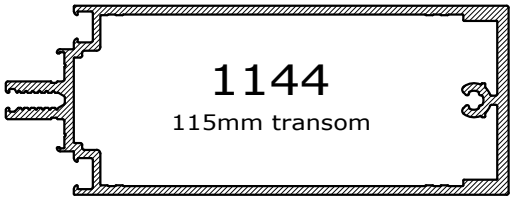
1149
45mm transom

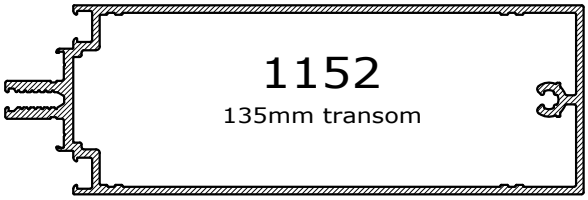


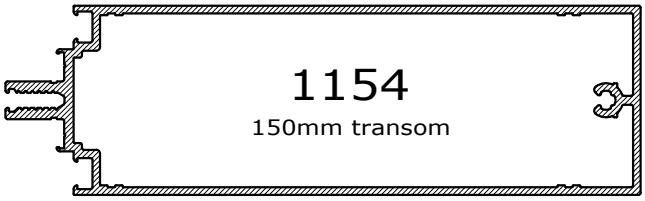


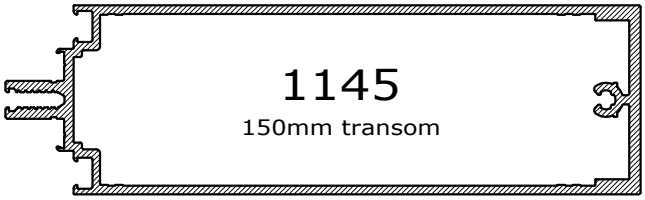


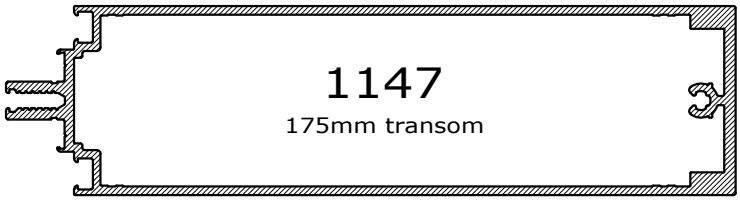


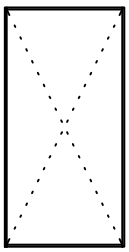












1.04

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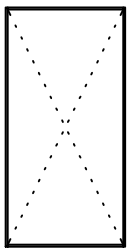
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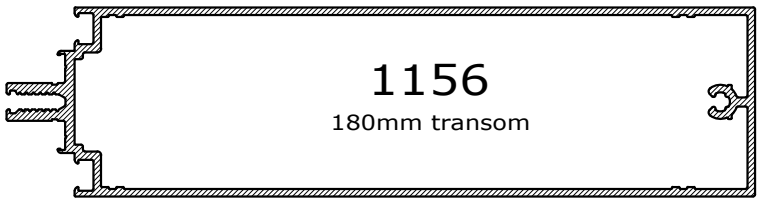
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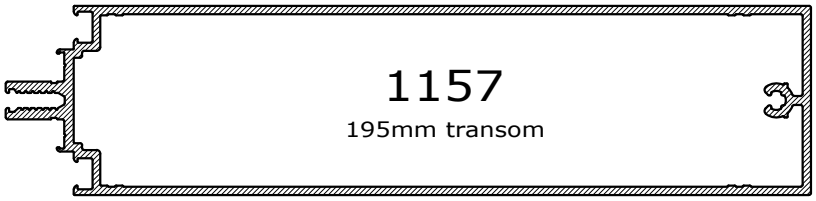
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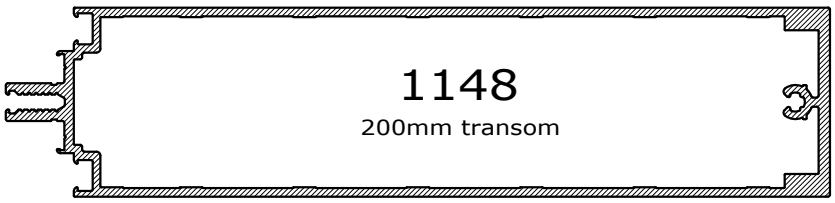


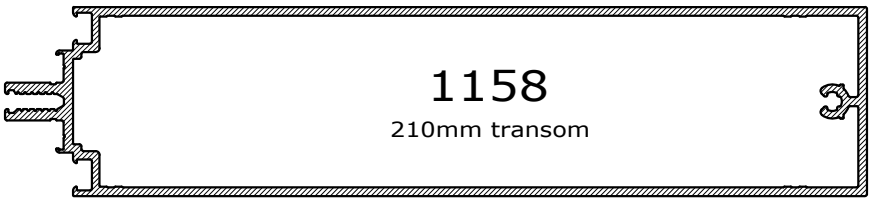
1.05

Profiles Identification

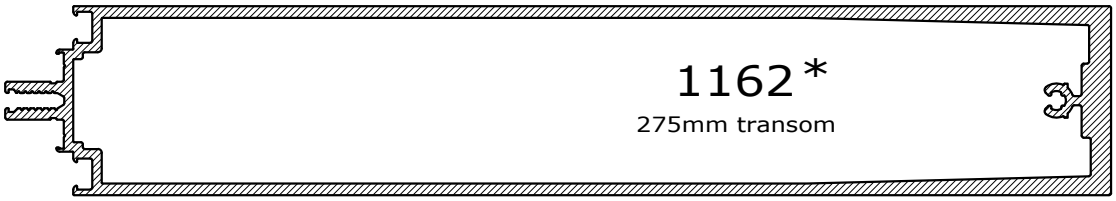












* These profiles are for project only and not held in stock. Profiles will be subject to longer lead times. Please contact our office for information.

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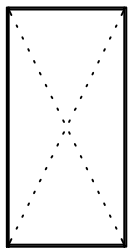
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Date : 04-17

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Cover caps & pressure plates





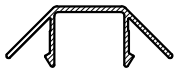
1201
13mm cover cap



1203
16mm cover cap

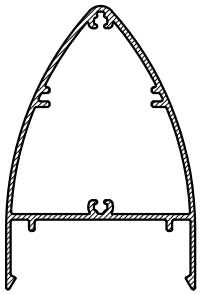


1204
20mm cover cap

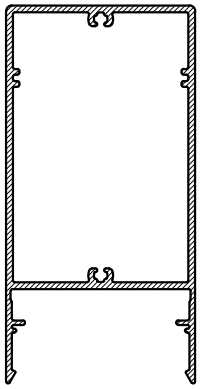


1210
45 degree cover cap

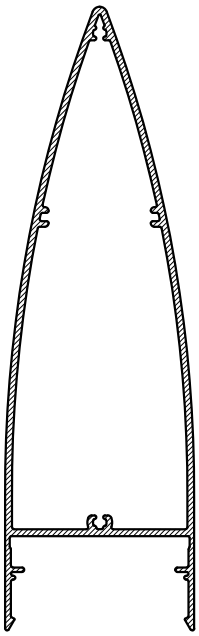
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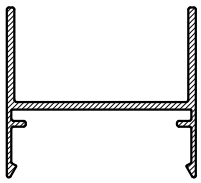
1211
75mm cover cap
Bullnose



1213
100mm cover cap
Square



1214
165mm cover cap
Bullnose



1221
45mm cover cap
Square 'H'

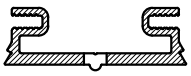
Profiles Identification



1251
Duo gasket
pressure plate



1252
Standard
pressure plate



1253
Screw fixing
pressure plate
For deep caps



1259
Pressure plate
for sloped roof

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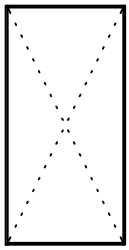
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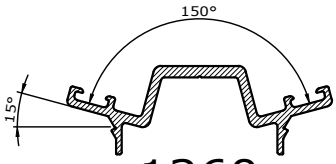
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Broadsheets 1

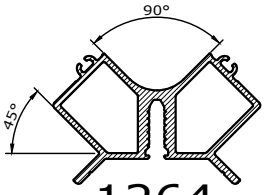
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Pressure plates

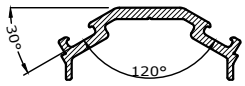




1260
15° pressure plate
external facet



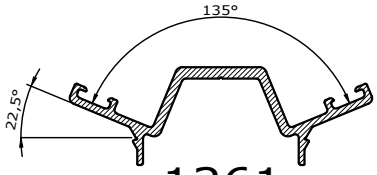
1264
45° adaptor
internal corner



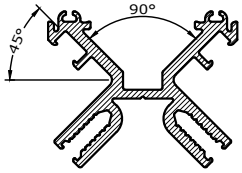
1268
30° pressure plate
internal facet

1.07

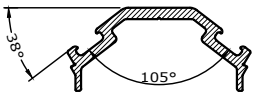
Profiles Identification



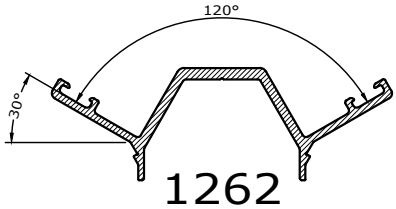
1261
22.5° pressure plate
external facet



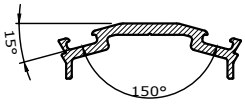
1265
45° adaptor
external corner



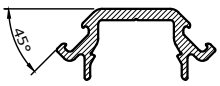
1269
37.5° pressure plate
internal facet



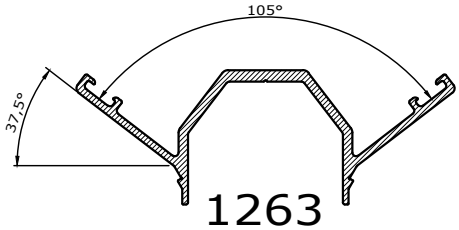
1262
30° pressure plate
external facet



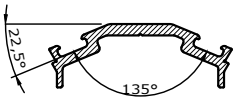
1266
15° pressure plate
internal facet



1270
45° pressure plate
internal corner



1263
37.5° pressure plate
external facet



1267
22.5° pressure plate
internal facet

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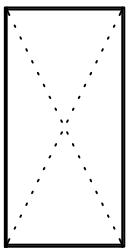
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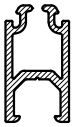
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Date : 10-16

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Glazing adaptors



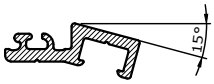
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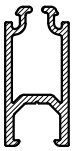
1328
18mm glazing adaptor



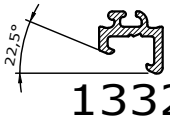
1331
15° glazing adaptor
external facet



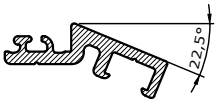
1336
15° glazing adaptor
internal facet



1329
22mm glazing adaptor



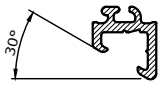
1332
22.5° glazing adaptor
external facet



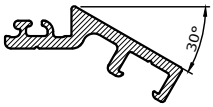
1337
22.5° glazing adaptor
internal facet



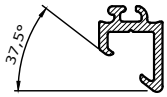
1330
6mm glazing adaptor



1333
30° glazing adaptor
external facet



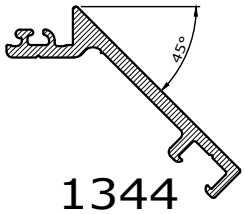
1338
30° glazing adaptor
internal facet



1334
37.5° glazing adaptor
external facet



1339
37.5° glazing adaptor
internal facet



1344
45° glazing adaptor
internal facet

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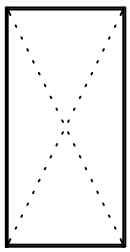
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Broadsheets 1

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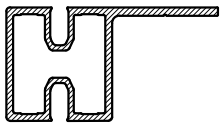
Frames, perimeters, Inserts, clamps, setting blocks & fixing lugs



1.09



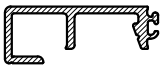
1335
Single glazing frame



1348
Wall connector

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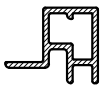
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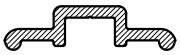
1345
42mm glazing pocket closer



1392
(2404)
Structural glazing 90° corner glass clamp



1346
Spandrel panel frame



1425
Direct fix to steel or timber fixing lug

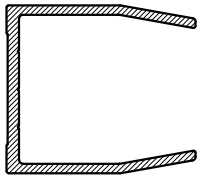
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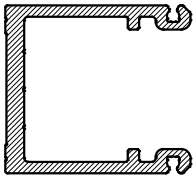
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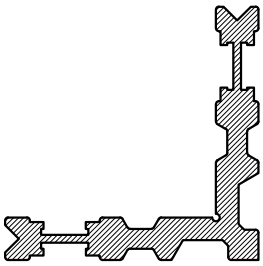
Cleats, flat bars, mullion sleeves & concealed vents



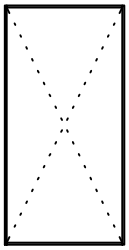
1300
Transom cleat



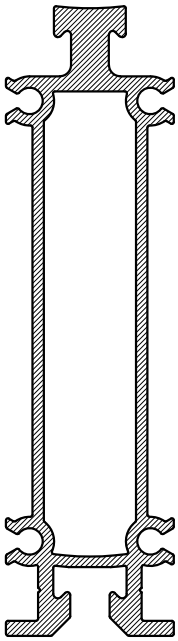
1305
Transom cleat



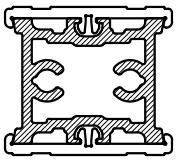
1435
(2530/2538/2539)
Corner Cleat



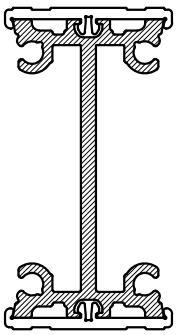
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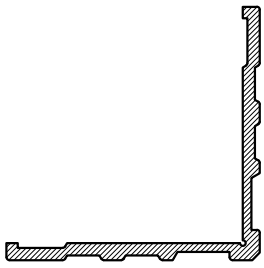
1373
Mullion's connector



1366
Mullion sleeve

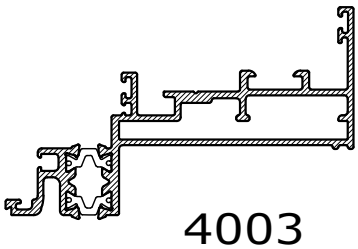


1368
Mullion sleeve

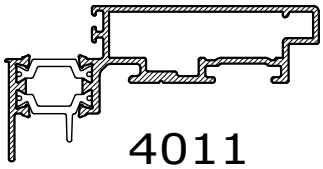


1431
(2535)
Corner Cleat

1230
30mm x 2mm flat bar



4003
Concealed vent outer frame



4011
Concealed vent sash

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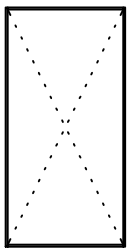
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Standard Profiles

1

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Future Additions



1.09.2

Profiles Identification

FUTURE ADDITION

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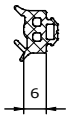
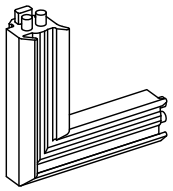
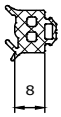
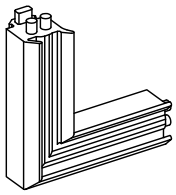
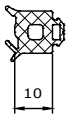
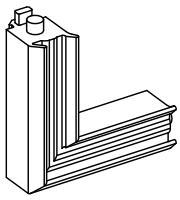
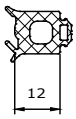
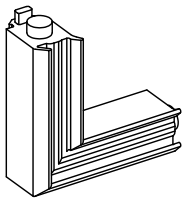
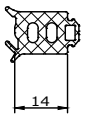
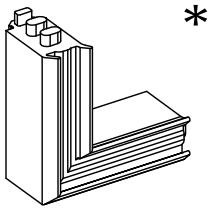
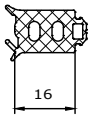
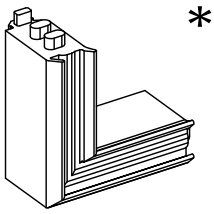
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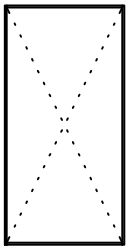
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Internal glazing gaskets & moulded corners

Illustration	Description	Illustration	Description
	2101 Glazing gasket 6mm Material: EPDM Colour: Black Packing unit: 100 m	 Size: 45 x 45 mm	2102 Corner moulding for 2101 Material: EPDM Colour: Black Packing unit: 100 pcs.
	2103 Glazing gasket 8mm Material: EPDM Colour: Black Packing unit: 100 m	 Size: 45 x 45 mm	2104 Corner moulding for 2103 Material: EPDM Colour: Black Packing unit: 100 pcs.
	2105 Glazing gasket 10mm Material: EPDM Colour: Black Packing unit: 100 m	 Size: 45 x 45 mm	2106 Corner moulding for 2105 Material: EPDM Colour: Black Packing unit: 100 pcs.
	2107 Glazing gasket 12mm Material: EPDM Colour: Black Packing unit: 100 m	 Size: 45 x 45 mm	2108 Corner moulding for 2107 Material: EPDM Colour: Black Packing unit: 100 pcs.
	2109 Glazing gasket 14mm Material: EPDM Colour: Black Packing unit: 100 m	 * Size: 45 x 45 mm	2110 * Corner moulding for 2109 Material: EPDM Colour: Black Packing unit: 100 pcs.
	2111 Glazing gasket 16mm Material: EPDM Colour: Black Packing unit: 100 m	 * Size: 45 x 45 mm	2112 * Corner moulding for 2111 Material: EPDM Colour: Black Packing unit: 100 pcs.

* Non standard item



1.10

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External glazing gaskets

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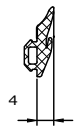
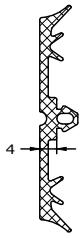
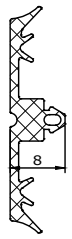
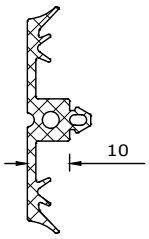
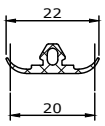
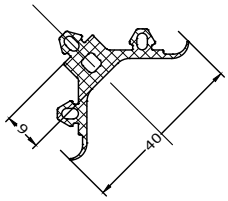
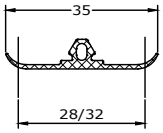
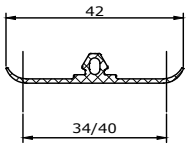
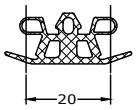
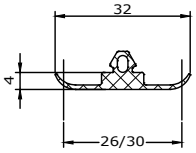
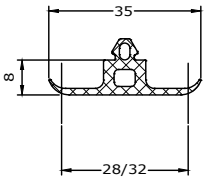
Illustration	Description
 For pressure plate: 1251	2150 Glazing gasket " DUO Gasket " (in combination with 1251) Material: EPDM Colour: Black Packing unit: 100 m
	2162 Glazing gasket Material: EPDM Colour: Black Packing unit: 50 m
	2163 Glazing gasket Material: EPDM Colour: Black Packing unit: 50 m
	2164 Glazing gasket Material: EPDM Colour: Black Packing unit: xx m
	2165 Glazing gasket Material: EPDM Colour: Black Packing unit: xx m
	2170 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m

Illustration	Description
	2171 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m1
	2172 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m1
	2174 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m1
	2175 Joint gasket Material: EPDM Colour: Black Packing unit: 50 m
	2176 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m1
	2178 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m1

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Glazing gaskets

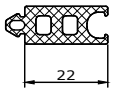
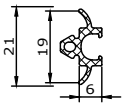
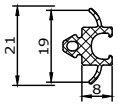
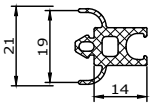
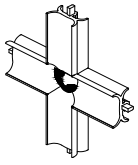
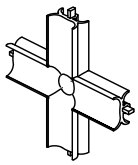
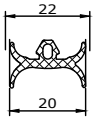
Illustration	Description
	2153 Extension gasket Material: EPDM Colour: Black Packing unit: 100 m
	2155 Extension gasket Material: EPDM Colour: Black Packing unit: 100 m
	2166 6mm Extension gasket high performance Material: EPDM Colour: Black Packing unit: 100 m
	2167 8mm Extension gasket high performance Material: EPDM Colour: Black Packing unit: 100 m
	2168 14mm Extension gasket high performance Material: EPDM Colour: Black Packing unit: 100 m
	2179 Cruciform for drainage diverter Material: EPDM Colour: Black Packing unit: 10 pcs.

Illustration	Description
	2180 Cruciform gasket Material: EPDM Colour: Black Packing unit: 10 pcs.
	2182 Joint sealant gasket Material: EPDM Colour: Black Packing unit: 100 m

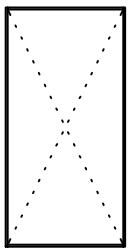
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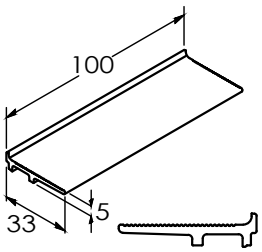
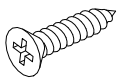
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Comar 6EFT

Obsolete when stocks are exhausted



1.12.1

Illustration	Description	Illustration	Description
	2306 Glass setting block 33 mm Profile: 1403 Material: Aluminium Finish: Mill Packing unit: 100 pcs. WILL BE REPLACED BY 1409		
Obsolete when stocks are exhausted.  Size: 4.8 x 22	3092 4.8 x 22 Countersunk head For glazing clamps 2403 & 2300 Material: Stainless steel Packing unit: 1000 pcs.		

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Thermal break & pocket seal

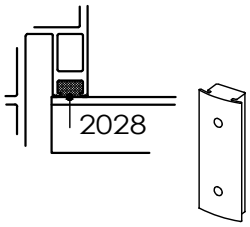
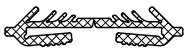
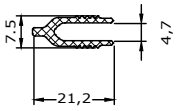
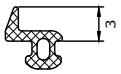
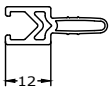
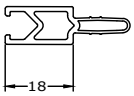
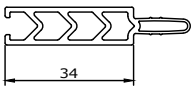
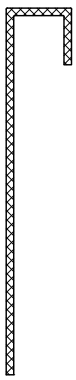
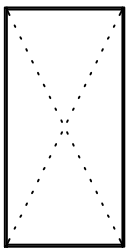
Illustration	Description
	2028 Transom seal Material: EPDM Colour: Black Packing unit: 100 pcs.
 Standard length 6.45m	2033 Groove for K02 Gasket Material: PVC Colour: Black Packing unit: 10 pcs.
	2185 Seal for split mullion (30 x 2mm) Material: EPDM Colour: Black Packing unit: 50 m
	2186 Seal for split mullion (for 4mm sheet) Material: EPDM Colour: Black Packing unit: 100 m
	2187 Seal for split mullion Material: EPDM Colour: Black Packing unit: 100 m
	2490 Pocket seal gasket Material: EPDM Colour: Black Packing unit: 200 m

Illustration	Description
 Standard length: 3m	2197 Thermal break Material: PVC Colour: Black Packing unit: 10 pcs.
 Standard length: 3m	2200 Thermal break Material: PVC Colour: Black Packing unit: 10 pcs.
 Standard length: 3m	2203 Thermal break Material: PVC Colour: Black Packing unit: 10 pcs.
 Standard length 6.45m	6003 End profile Material: PVC Colour: Black Packing unit: 5 pcs.



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1.14

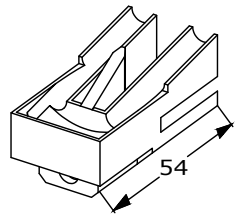
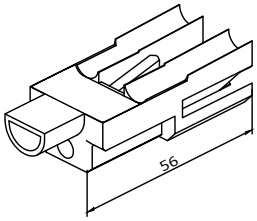
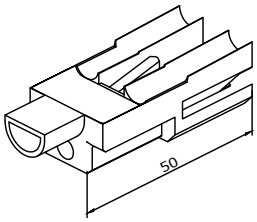
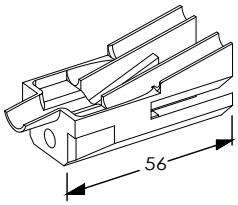
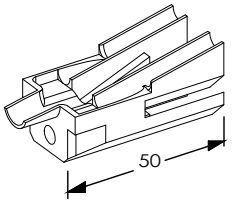
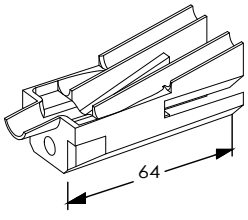
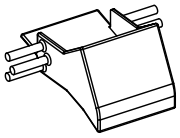
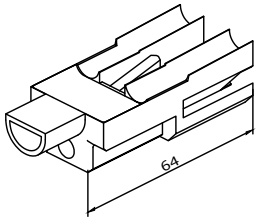
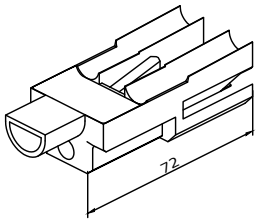
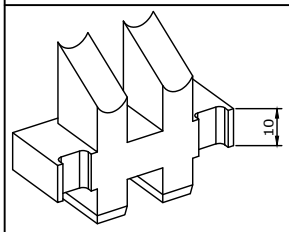
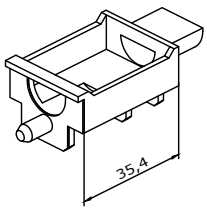
Illustration	Description
	2019 Mullion drainage diverter Material: PP-Nylon Colour: Black Packing unit: 50 pcs.
	2020 Mullion drainage diverter Closed spout Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
	2021 Mullion drainage diverter Closed spout Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
	2022 Mullion drainage diverter Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
	2023 Mullion drainage diverter Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
	2024 Mullion drainage diverter Material: PP- Nylon Colour: Black Packing unit: 50 pcs.

Illustration	Description
	2025 Transom drainage diverter 4sided SG Material: PP Colour: Black Packing unit: 50 pcs.
	2026 Mullion drainage diverter Closed spout Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
	2027 Mullion drainage diverter Closed spout Material: PP- Nylon Colour: Black Packing unit: 50 pcs.
 8-9 mm after compression	2030 Mullion coupling moulding Material: EPDM Colour: Black Packing unit: 50 pcs.
	2032 35mm Extension drainage diverter Material: PP- Nylon Colour: Black Packing unit: 10 pcs.

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Glazing setting blocks

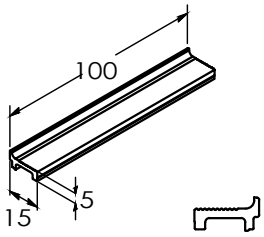
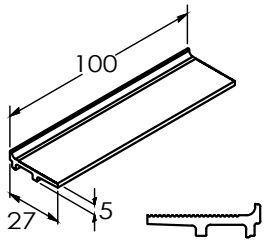
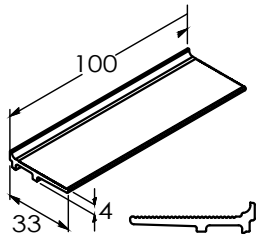
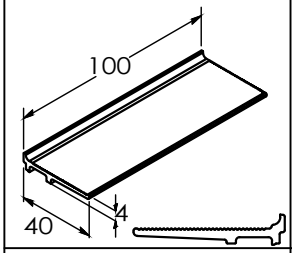
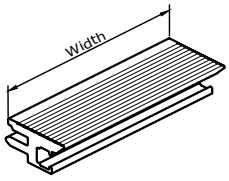
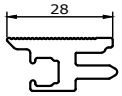
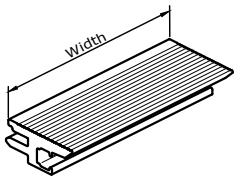
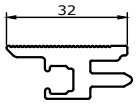
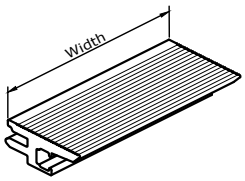
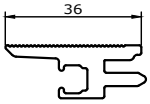
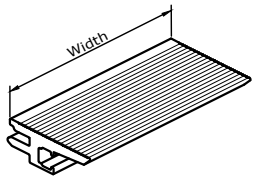
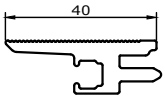
Illustration	Description
	2301 Glass setting block 15 mm Profile: 1403 Material: Aluminium Finish: Mill Packing unit: 100 pcs.
	2305 Glass setting block 27 mm Profile: 1403 Material: Aluminium Finish: Mill Packing unit: 100 pcs.
	1409 Glass setting block 33 mm Profile: 1412 Material: Aluminium Finish: Mill Packing unit: 10 pcs.
	1411 Glass setting block 40 mm Profile: 1415 Material: Aluminium Finish: Mill Packing unit: 10 pcs.
 	1401 Glass setting block 28 mm Width 100mm 1441 Glass setting block 28 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.

Illustration	Description
 	1402 Glass setting block 32 mm Width 100mm 1442 Glass setting block 32 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.
 	1407 Glass setting block 36 mm Width 100mm 1447 Glass setting block 36 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.
 	1404 Glass setting block 40 mm Width 100mm 1444 Glass setting block 40 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.

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Glazing setting blocks sleeves & cleats

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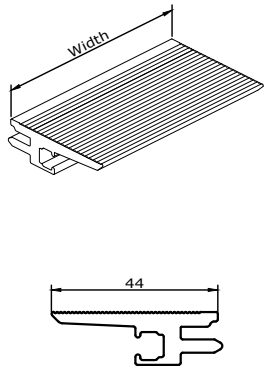
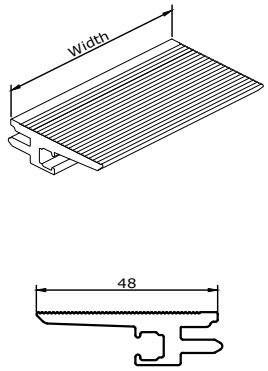
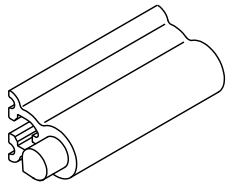
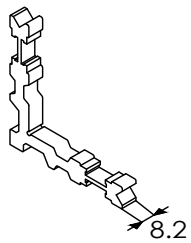
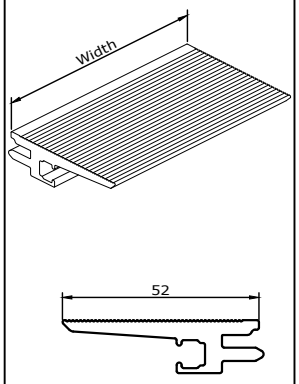
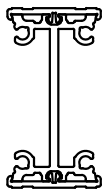
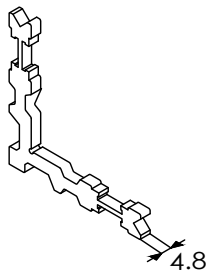
Illustration	Description
	1400 Glass setting block 44 mm Width 100mm Material: Aluminium Finish: Black Packing unit: 10 pcs.
	1405 Glass setting block 48 mm Width 100mm 1445 Glass setting block 48 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.
	2310 Transom cleat (spring loaded) Material: Aluminium pin/polyamide housing lock to transom with super glue (SE009XSLF) Packing unit: 50 pcs.
	2538 Corner cleat 8.2 mm For frames made from profile 1335 Profile: 1435 Material: Aluminium Finish: Mill Packing unit: 10 pcs

Illustration	Description
	1406 Glass setting block 52 mm Width 100mm 1446 Glass setting block 52 mm Width 400mm Material: Aluminium Finish: Black Packing unit: 10 pcs.
 Standard length: 6.45m	1366 33mm mullion sleeve/spigot kit Material: Aluminium /plastic Colour: Black Finish: Mill Packing unit: 1 pcs.
 Standard length: 6.45m	1368 79mm mullion sleeve/spigot kit Material: Aluminium /plastic Colour: Black Finish: Mill Packing unit: 1 pcs.
	2539 Corner cleat 4.8 mm For frames made from profile 1346 Profile: 1435 Material: Aluminium Finish: Mill Packing unit: 50 pcs

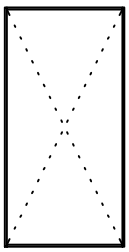
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Fixing clamps - Structural glazing



1.17

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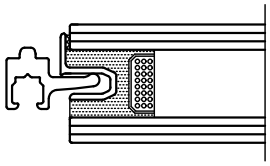
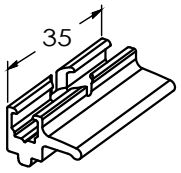
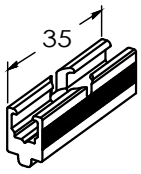
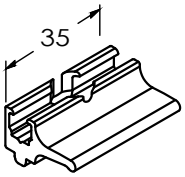
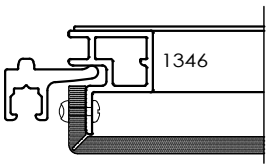
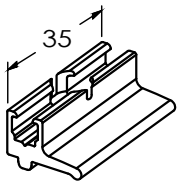
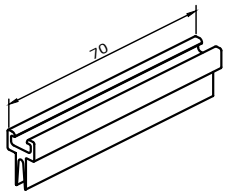
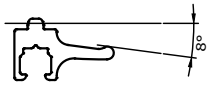
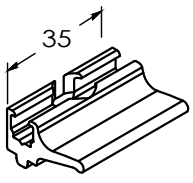
Illustration	Description
  5.5 x 23 Torx type 	2403 Double glass clamp For 2 or 4 sided structurally bonded units. 2sided SGH/ 2sided SGV /4sided SG Profile: 1391 Length: 35 mm Material: Aluminium Finish: Red powder coating Packing unit: 100 pcs.
 5.5 x 23 Torx type 	2409 Glass clamp machined For support 400mm glass setting block Profile: 2403 Length: 35 mm Material: Aluminium Finish: Red powder coating Packing unit: 10 pcs.
  5.5 x 23 Torx type 	2431 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: Orange Powder Coating Packing unit: 100 pcs.

Illustration	Description
  5.5 x 23 Torx type 	2406 Panel clamp For 2 or 4 sided structural bonded units. 2sided SGH/2sided SGV /4sided SG Profile: 1393 Length: 35mm Material: Aluminium Finish: Blue powder coating. Packing unit: 100 pcs.
 2x 5.5 x 29 Torx type 	1390 6mm Extension Profile For 2403 Glass Clamp Profile: 1390 Length: 70 mm Material: Aluminium Finish: Black powder coating Packing unit: 10 pcs.
  5.5 x 23 Torx type 	2441 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: White Powder coating Packing unit: 100 pcs.

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Fixing clamps - Structural glazing

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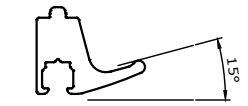
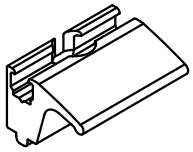
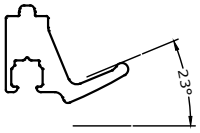
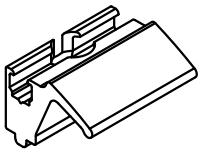
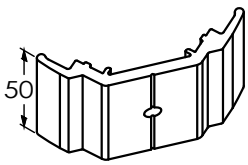
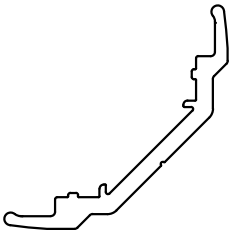
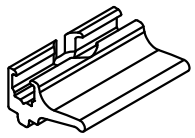
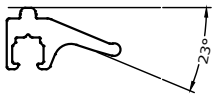
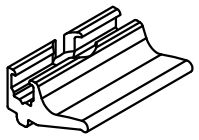
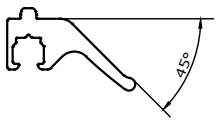
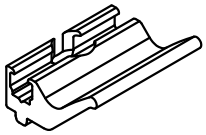
Illustration	Description
  5.5 x 23 Torx type 	2432 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: Green powder coating Packing unit: 100 pcs.
  5.5 x 23 Torx type 	2433 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: Magenta powder coating Packing unit: 50 pcs.
 	2404 Double glass Corner Clamp For 2 or 4 sided structural bonded units. 2sided SGH/4sided SG Profile: 1392 Length: 50mm Material: Aluminium Finish: Violet powder coating Packing unit: 10 pcs.

Illustration	Description
  5.5 x 23 Torx type 	2442 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: Grey powder coating Packing unit: 100 pcs.
  5.5 x 23 Torx type 	2443 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4sided SG Length: 35 mm Material: Aluminium Colour: Black powder coating Packing unit: 100 pcs.
  5.5 x 23 Torx type 	2448 Double glass Clamp. For 2 or 4 sided structural bonded units. 2sided SGH 4side SG Length: 35 mm Material: Aluminium Colour: Brown powder coating Packing unit: 100 pcs.

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Glazing Inserts

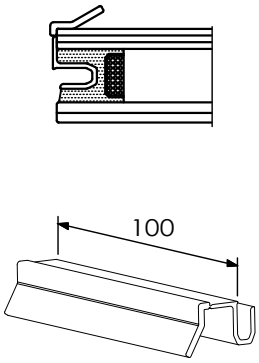
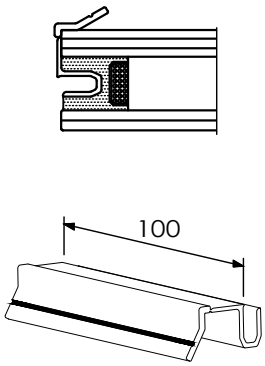
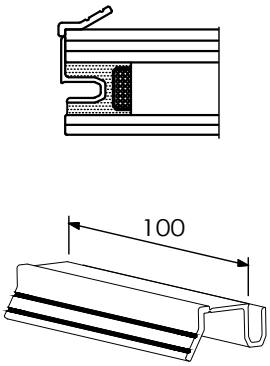
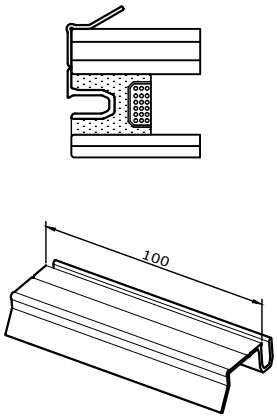
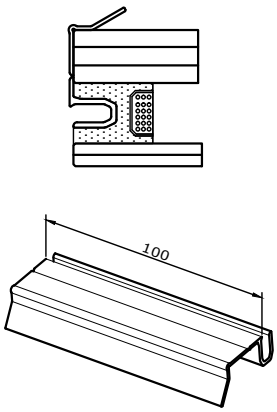
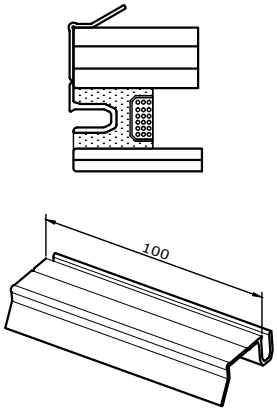
Illustration	Description
 No ID line	**2401** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/ 2sided SGV /4sided SG Profile: 1389 Length: 100 mm Material: Aluminium Colour: Silver anodised Packing unit: 100 pcs.
 One ID line	**2402** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/2sided SGV /4sided SG Profile: 1388 Length: 100 mm Material: Aluminium Colour: Silver anodised Packing unit: 100 pcs.
 Two ID lines	**2405** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/2sided SGV /4sided SG Profile: 1387 Length: 100 mm Material: Aluminium Colour: Silver anodised Packing unit: 100 pcs.

Illustration	Description
	**2416** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/ 2sided SGV /4sided SG Profile: 1316 Length: 100 mm Material: Aluminium Colour: Silver anodised Packing unit: 10 pcs.
	**2418** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/2sided SGV /4sided SG Profile: 1318 Length: 100 mm Material: Aluminium Colour: Black anodised Packing unit: 10 pcs.
	**2420** Double glazing insert For 2 or 4 sided structural bonded units. 2sided SGH/2sided SGV /4sided SG Profile: 1390 Length: 100 mm Material: Aluminium Colour: Black anodised Packing unit: 10 pcs.

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Accessories 1

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Transom Cleats

1.20

Profiles Identification

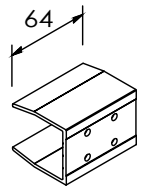
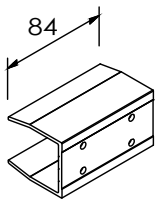
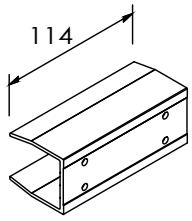
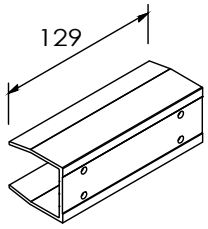
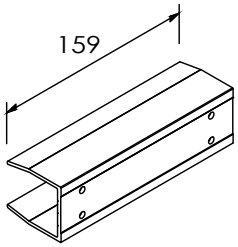
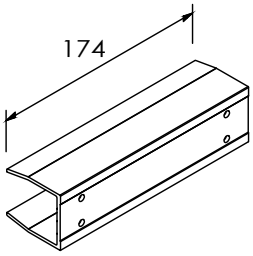
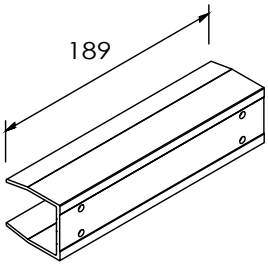
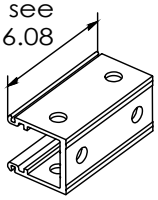
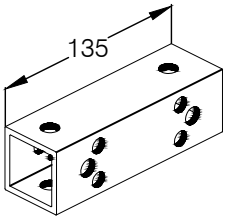
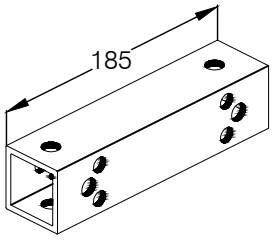
Illustration	Description
	2551 Transom cleat For transom 1151 & 1143 (85mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 64 mm
	2564 Transom cleat For transom 1164 (105mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 84 mm
	2552 Transom cleat For transom 1152 (135mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 114 mm
	2554 Transom cleat For transom 1154 & 1145 (150mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 129 mm
	2556 Transom cleat For transom 1156 (180mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 159 mm

Illustration	Description
	2557 Transom cleat For transom 1157 (195mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 174 mm
	2558 Transom cleat For transom 1158 (210mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: 1300 Length: 189 mm
see 6.08  Cut to length to suit	2565 - 1166 (125mm) 2566 - 1152 (135mm) 2567 - 1145 &1154 (150mm) 2568 - 1147 (175mm) 2569 - 1156 (180mm) 2570 - 1157 (195mm) 2571 - 1148 (200mm) 2572 - 1158 (210mm) Cut from Profile 1305
	2559 * Transom cleat For transom 11589 (225mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: Tube 43x43x4 Length: 135 mm
	2560 * Transom cleat For transom 1162 (275mm) Material: Aluminium Finish: Mill finish Packing unit: 20 Profile: Tube 43x43x4 Length: 185 mm

* These profiles are for project only and not held in stock. Profiles will be subject to longer lead times. Please contact our office for information.

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PVC Accessories & tapes

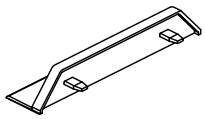
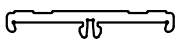
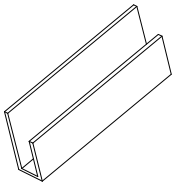
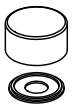
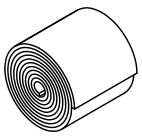
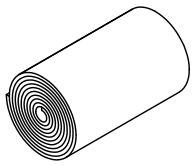
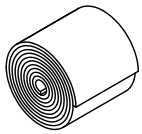
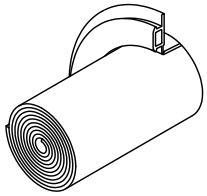
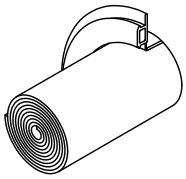
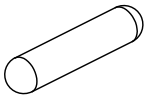
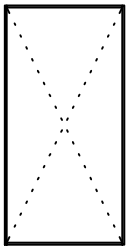
Illustration	Description
	2031 End Cap for 1259 pressure plate Material: PVC Colour: Black Packing unit: 10 pcs.
Included in spigot 1366 & 1368  Standard length: 6.45m	2181 Mullion sleeve/spigot isolator Material: PVC Colour: Black Packing unit: 1 pc.
 Length: 50mm	2410 Drainage U channel Material: PVC Colour: White Packing unit: 20 pcs.
	3016 Screw Head Cap Material: PVC Colour: EWHT- White DBLK- Black BSVR- Silver Packing unit: 50 pcs.
	6001 Butyl tape 50mm Wide 25m Length
	6002 Butyl tape 100mm Wide 25m Length

Illustration	Description
	6010 EPDM membrane 250mm Wide 25m Length
	6011 EPDM membrane 150mm Wide 25m Length
	6012 EPDM membrane with gasket 150mm Wide 25m Length
	6013 EPDM membrane with gasket 250mm Wide 25m Length
	6020 Membrane adhesive 600 ml



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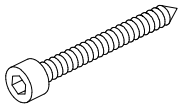
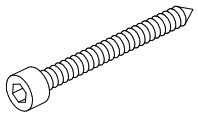
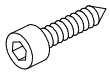
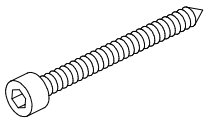
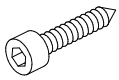
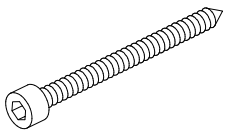
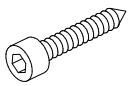
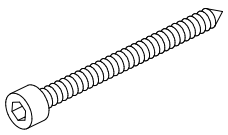
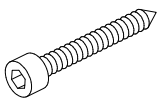
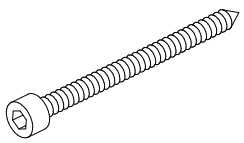
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Pressure plate screws

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1.22

Profiles Identification

Illustration	Description	Illustration	Description
 Size: 5.5 x 16	3002 Screw Allen key 5.5 x 16 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 38	3008 Screw Allen key 5.5 x 38 Material: Stainless steel Packing unit: 500 pcs.
 Size: 5.5 x 13	3003 Screw Allen key 5.5 x 13 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 42	3090 Screw Allen key 5.5 x 42 Material: Stainless steel Packing unit: 200 pcs.
 Size: 5.5 x 19	3004 Screw Allen key 5.5 x 19 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 45	3009 Screw Allen key 5.5 x 45 Material: Stainless steel Packing unit: 500 pcs.
 Size: 5.5 x 22	3005 Screw Allen key 5.5 x 22 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 50	3010 Screw Allen key 5.5 x 50 Material: Stainless steel Packing unit: 200 pcs.
 Size: 5.5 x 25	3006 Screw Allen key 5.5 x 25 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 55	3011 Screw Allen key 5.5 x 55 Material: Stainless steel Packing unit: 100 pcs.
 Size: 5.5 x 32	3007 Screw Allen key 5.5 x 32 Material: Stainless steel Packing unit: 500 pcs.	 Size: 5.5 x 60	3012 Screw Allen key 5.5 x 60 Material: Stainless steel Packing unit: 100 pcs.

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Screws

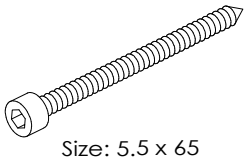
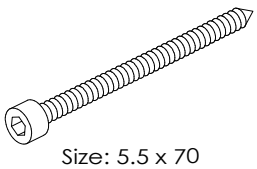
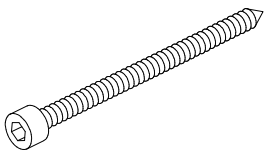
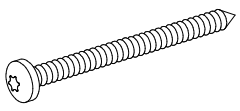
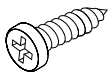
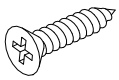
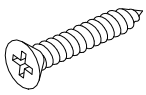
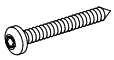
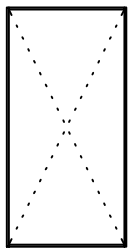
Illustration	Description
 Size: 5.5 x 65	3013 Screw Allen key 5.5 x 65 Material: Stainless steel Packing unit: 100 pcs.
 Size: 5.5 x 70	3014 Screw Allen key 5.5 x 70 Material: Stainless steel Packing unit: 100 pcs.
 Size: 5.5 x 75	3015 Screw Allen key 5.5 x 75 Material: Stainless steel Packing unit: 100 pcs.
 Size: 3.5 x 9	3020 3.5 x 9 Pan head For fixing large cover caps Material: Stainless steel Packing unit: 500 pcs.
 Size: 3.9 x 16	3021 Screw 3.9 x 16 DIN 7981 C-Z Transom-Mullion fixing Material: Stainless steel Packing unit: 1000 pcs.
 Size: 4.8 x 65	3022 Screw 4.8 x 65 DIN 7981 C-Z Ladder unit transom-mullion fixing Material: Stainless steel Packing unit: 200 pcs.

Illustration	Description
 Size: 4.8 x 19	3023 4.8 x 19 Pan head For 4sided weephole covers Material: Stainless steel Packing unit: 500 pcs.
 Size: 4.2 x 25	3024 4.2 x 25 Countersunk head For glazing adaptor 18mm , 1328 Material: Stainless steel Packing unit: 500 pcs.
 Size: 4.8 x 13	3025 4.8 x 13 Pan head For transom cleats Material: Stainless steel Packing unit: 500 pcs.
 Size: 4.2 x 32	3026 4.2 x 32 Countersunk head For glazing adaptor 22mm , 1329 Material: Stainless steel Packing unit: 500 pcs.
 Size: 3.9 x 19	3027 Screw 3.9 x 19 DIN 7981 C-Z Transom-Mullion fixing for facetted joints Material: Stainless steel Packing unit: 1000 pcs.
 Size: 3.6 x 13	3028 3.6 x 13 Countersunk head For split mullion nosing adaptor 1033 Material: Stainless steel Packing unit: 1000 pcs.



1.23

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Accessories 1

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Screws & washers

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1.24

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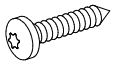
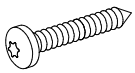
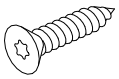
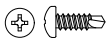
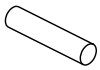
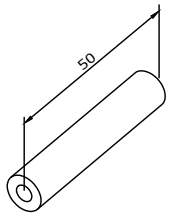
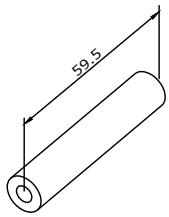
Illustration	Description
	3029 5.5 x 23 Torx T x 20 For glazing clamps 2403 & 2300 Material: Stainless steel Packing unit: 100 pcs.
	3030 5.5 x 29 Torx T x 20 For glazing clamps 2403 + 1407 Material: Stainless steel Packing unit: 100 pcs.
	3093 5.5 x 25 Countersunk head Mullion's connector Material: Stainless steel Packing unit: 500 pcs.
	FX7004 No8 x 13 Pan head self drill screw Material: Stainless steel Packing unit: 100 pcs.
	3091 M6 x 12.5 x 0.8 Nylon washer Material: Nylon Packing unit: 1000 pcs.
	3094 Washer Ø6 for 3093 screw Material: Stainless steel Packing unit: 100 pcs.

Illustration	Description
	1889 6 x 30 Dowel pin Mullion's connector Material: Stainless steel Packing unit: 10 pcs.
	1890 Tube Ø11x3 Material: Aluminium Packing unit: 50 pcs.
	1891 Tube Ø11x3 Material: Aluminium Packing unit: 50 pcs.

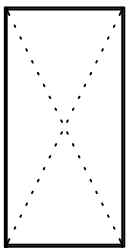
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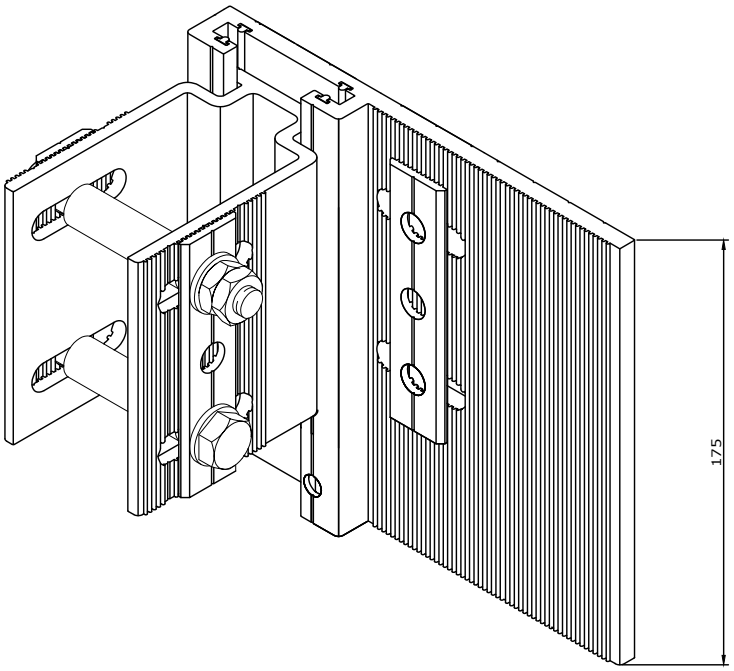
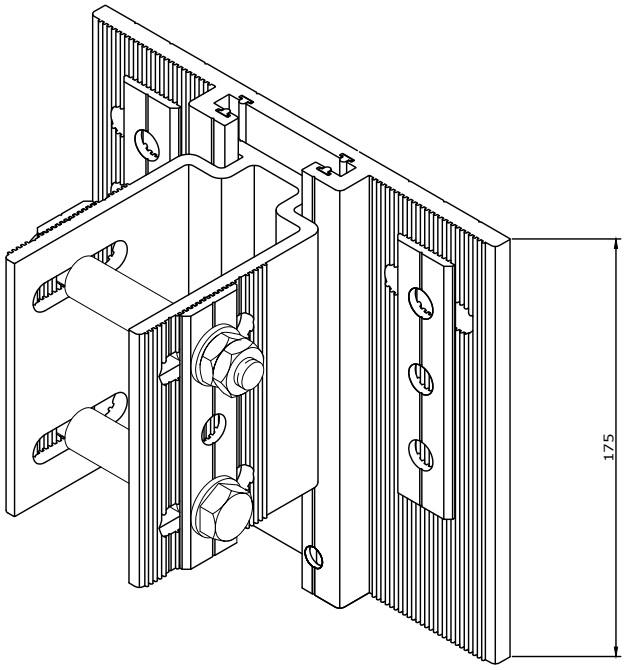
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Fixing and sliding brackets



1.25

Profiles Identification

Illustration	Description
	CW671 Wall fixing bracket (Jamb) 175 mm Material: Aluminium Finish: Mill Packing unit: 1 pcs.
	CW672 Wall fixing bracket (Intermediate) 175 mm Material: Aluminium Finish: Mill Packing unit: 1 pcs.

Accessories

1

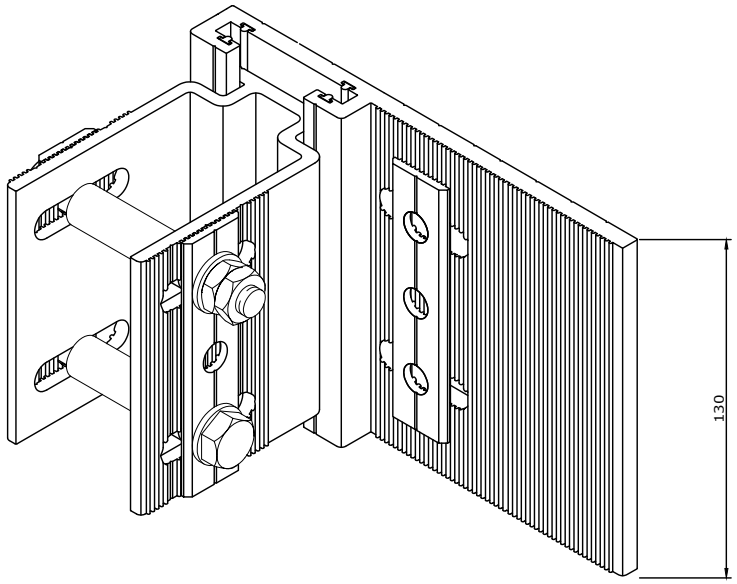
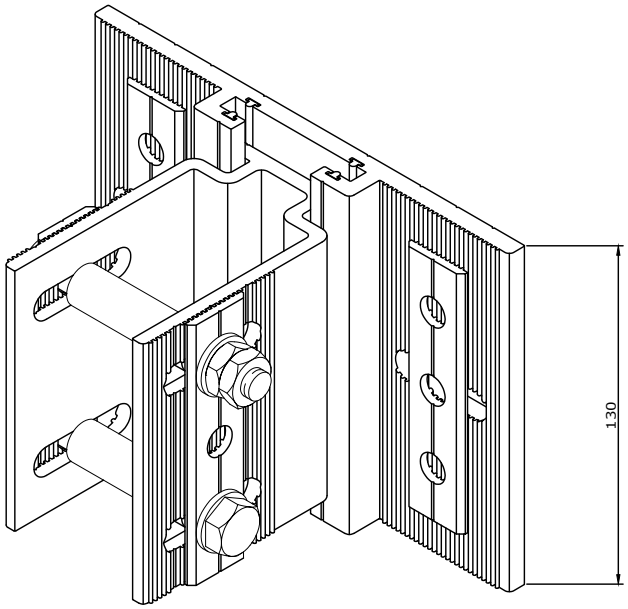
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Fixing & sliding brackets

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1.26

Profiles Identification

Illustration	Description
	CW673 Wall sliding bracket (Jamb) 130 mm Material: Aluminium Finish: Mill Packing unit: 1 pcs.
	CW674 Wall Sliding bracket (Intermediate) 130mm Material: Aluminium Finish: Mill Packing unit: 1 pcs.

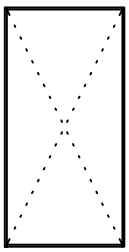
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Future Additions



1.27

FUTURE ADDITION

Fabricators Guide

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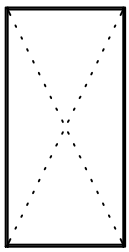
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Accessories

1

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Future Additions



1.28 - 1.49

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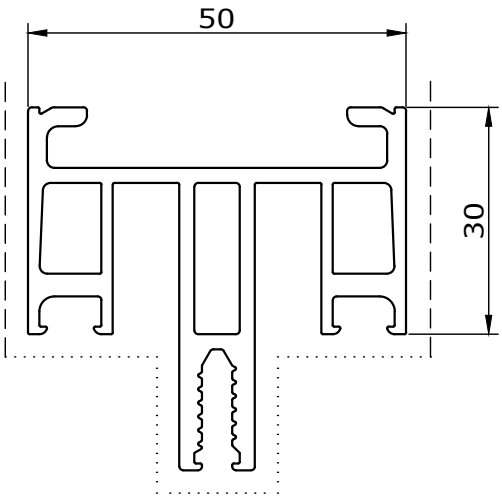
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1025 - Mullion - 30mm
Direct fix to steel or timber

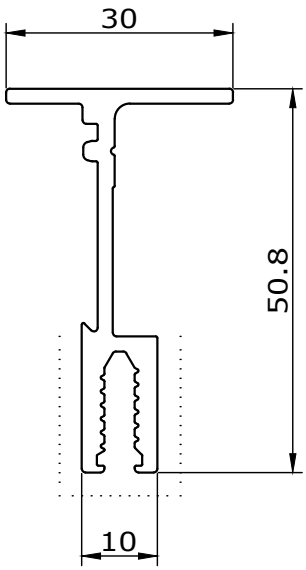


Area = 537.9 mm²
Perimeter = 372 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _
Secondary Surface . . . . . .

1.50

1033 - Split mullion adaptor



Area = 248.1 mm²
Periphery = 217 mm
Length = 6.45 m

Secondary Surface . . . . . .

Profile Identification

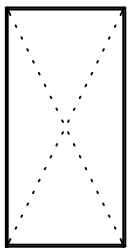
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Standard Profiles 1

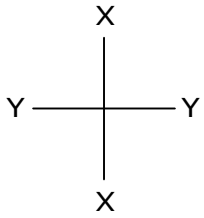
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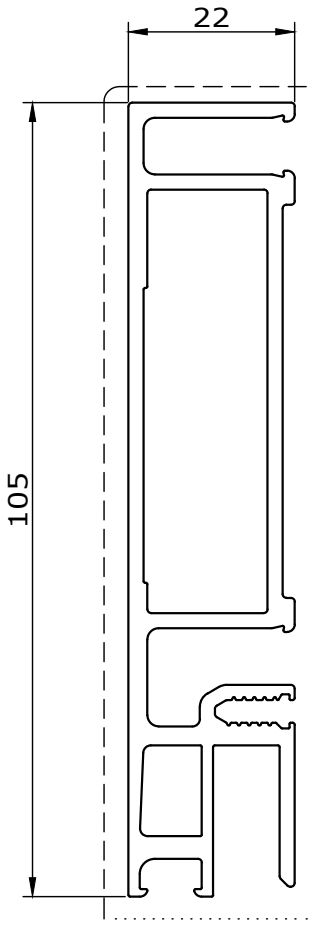


1037 - Split mullion 105mm

I_{xx} = 68.3 cm^4
I_{yy} = 4.1 cm^4
Z_{xx} = 12.5 cm^3
Z_{yy} = 3.9 cm^3

1.51



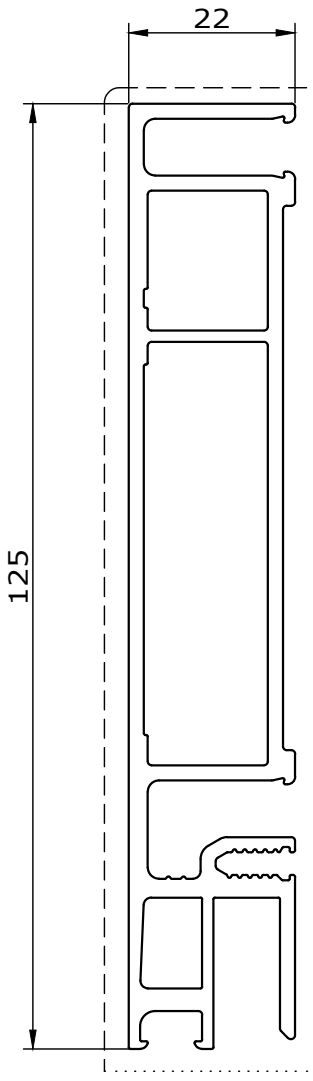


Perimeter = 417 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface .....

1038 - Split mullion 125mm

I_{xx} = 115.1 cm^4
I_{yy} = 4.9 cm^4
Z_{xx} = 17.9 cm^3
Z_{yy} = 4.0 cm^3



Perimeter = 457 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface .....

Profiles Identification

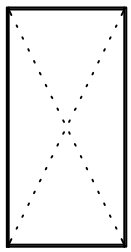
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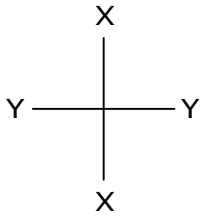


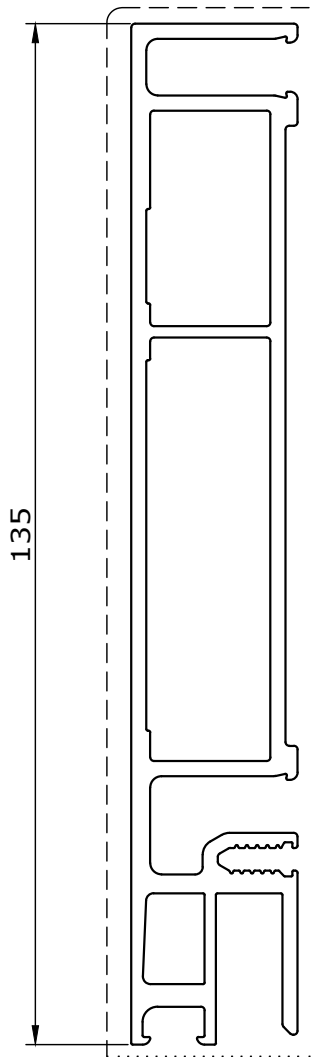
1.52

Profile Identification

1039 - Split mullion 135mm

I_{xx} = 141.3 cm^4
I_{yy} = 5.2 cm^4
Z_{xx} = 20.2 cm^3
Z_{yy} = 5.0 cm^3

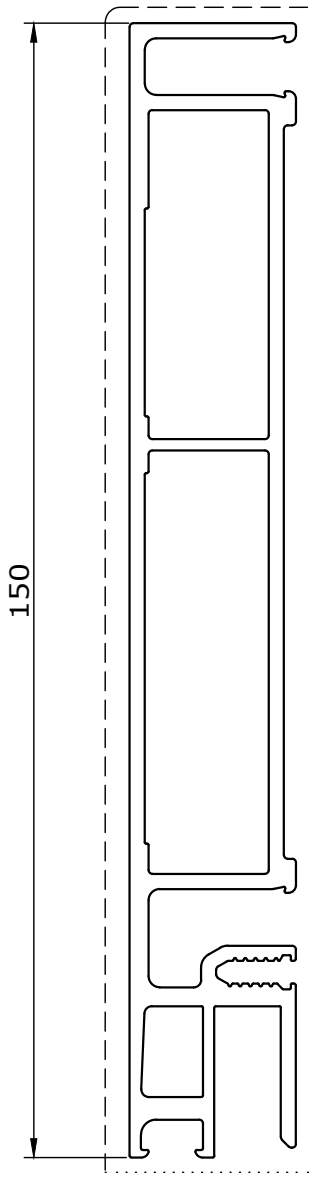




Perimeter = 417 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1040 - Split mullion 150mm

I_{xx} = 187.9 cm^4
I_{yy} = 5.7 cm^4
Z_{xx} = 24.0 cm^3
Z_{yy} = 5.5 cm^3



Perimeter = 507 mm
Length = 6.45 m
Visible Surface_ _ _ _ _ _
Secondary Surface .....

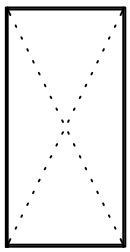
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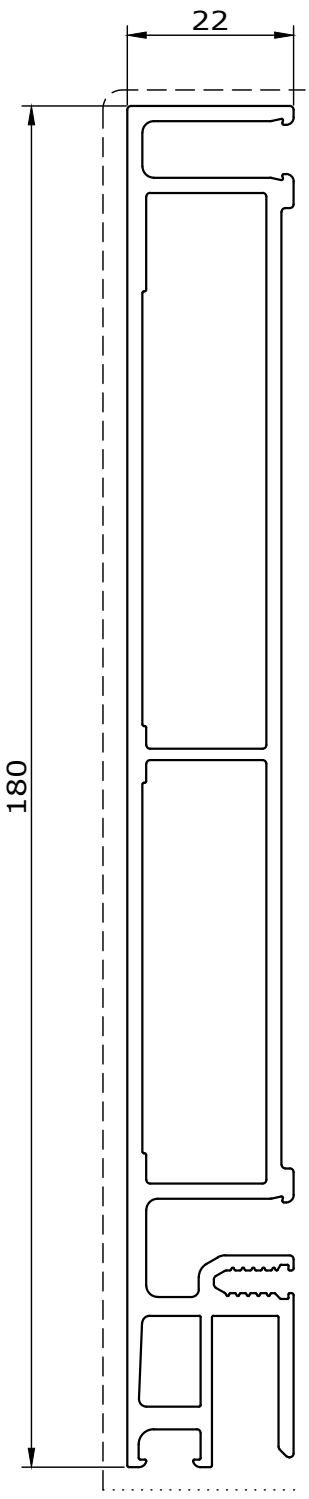
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Standard Profiles 1

Comar 6EFT



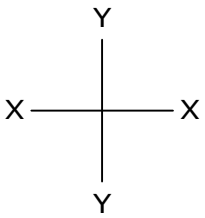
1042 - Split mullion - 180mm



1.53

Perimeter = 567 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....



I_{xx} = 310.1 cm
I_{yy} = 6.7 cm
Z_{xx} = 32.8 cm
Z_{yy} = 6.5 cm

Profiles Identification

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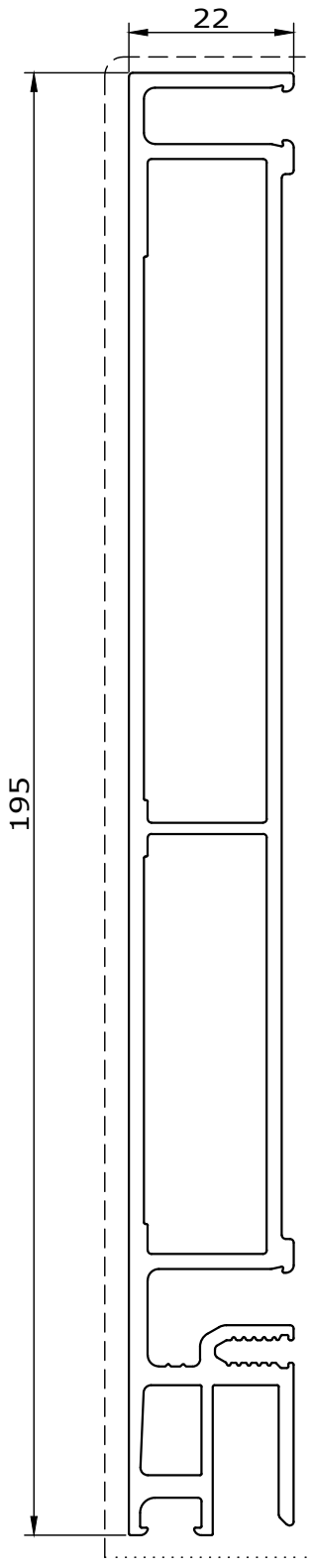
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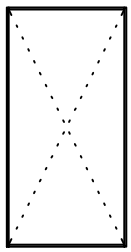
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1043 - Split mullion - 195mm

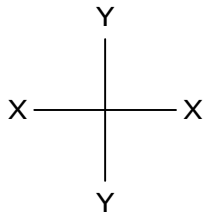




1.54

Perimeter = 597 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface .....



I_{xx} = 387.1 cm^4
I_{yy} = 7.3 cm^4
Z_{xx} = 37.8 cm^3
Z_{yy} = 6.0 cm^3

Profiles Indentification

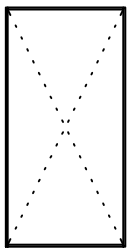
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Standard Profiles 1

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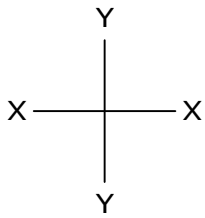
1044 - Split mullion - 210mm

1.55

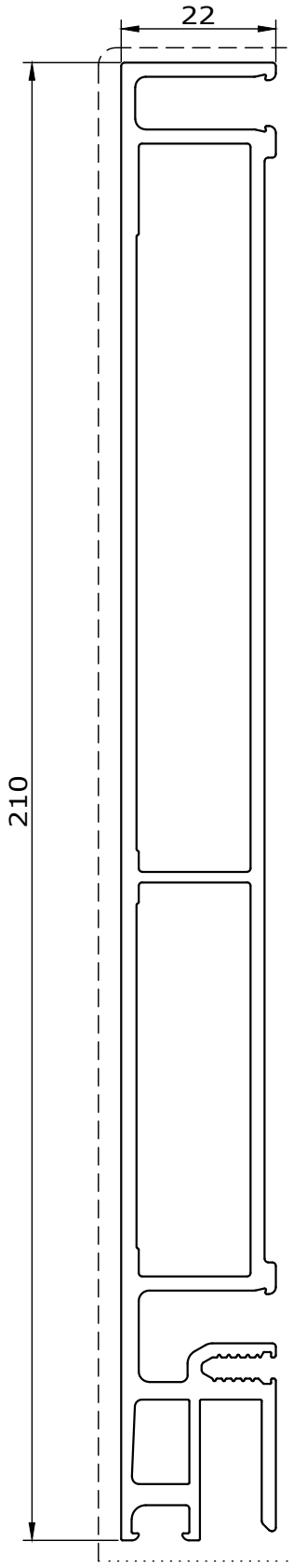
Perimeter = 627 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface .....

Profiles Identification



I_{xx} = 481.0 cm^4
I_{yy} = 7.9 cm^4
Z_{xx} = 43.7 cm^3
Z_{yy} = 6.5 cm^3



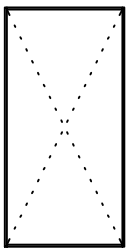
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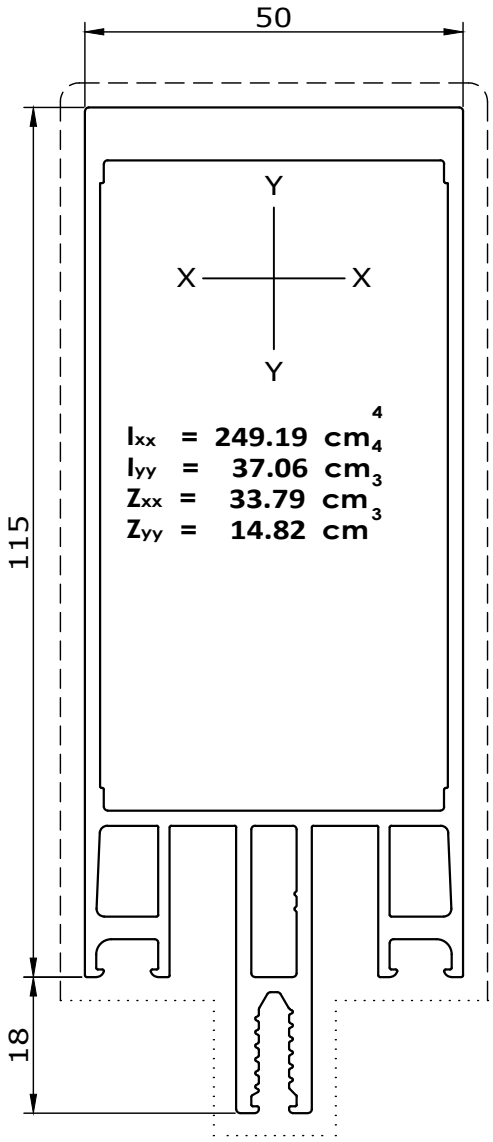
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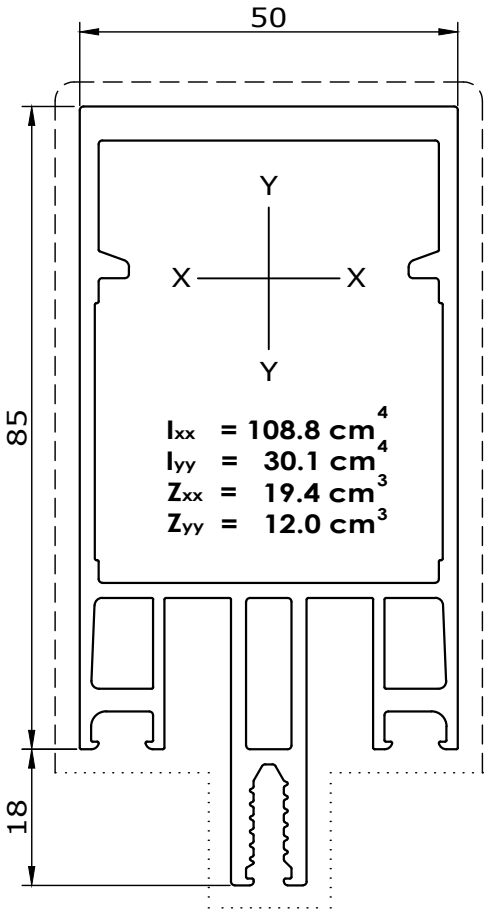
1069 - Mullion - 115mm



Perimeter = 506 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _
Secondary Surface .....

1070 - Mullion - 85mm



Perimeter = 448 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _
Secondary Surface .....

1.56

Profiles Identification

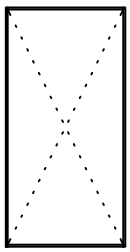
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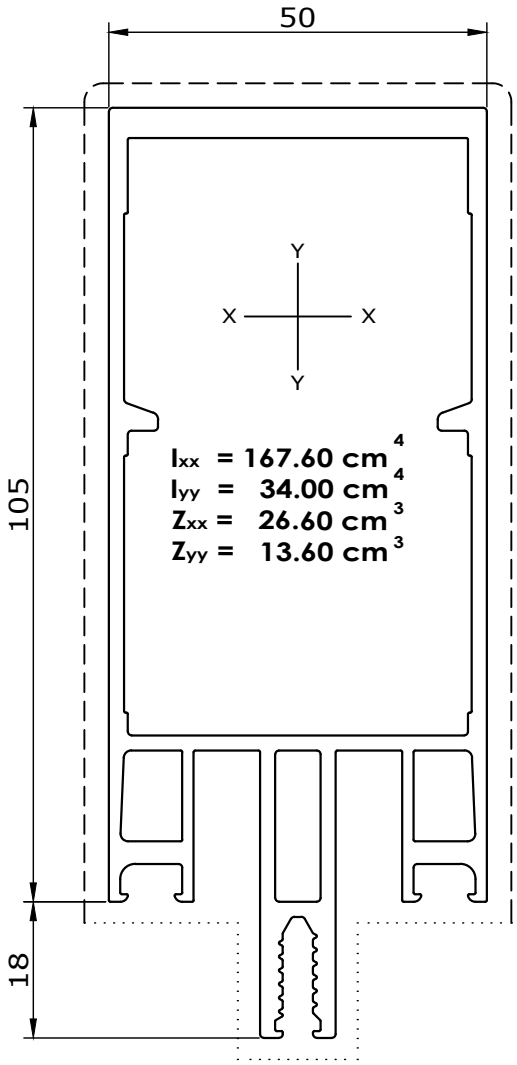
Standard Profiles 1

Comar 6EFT



1072 - Mullion - 105 mm

1.57



Perimeter = 487 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....

Profiles Identification

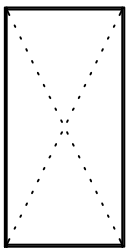
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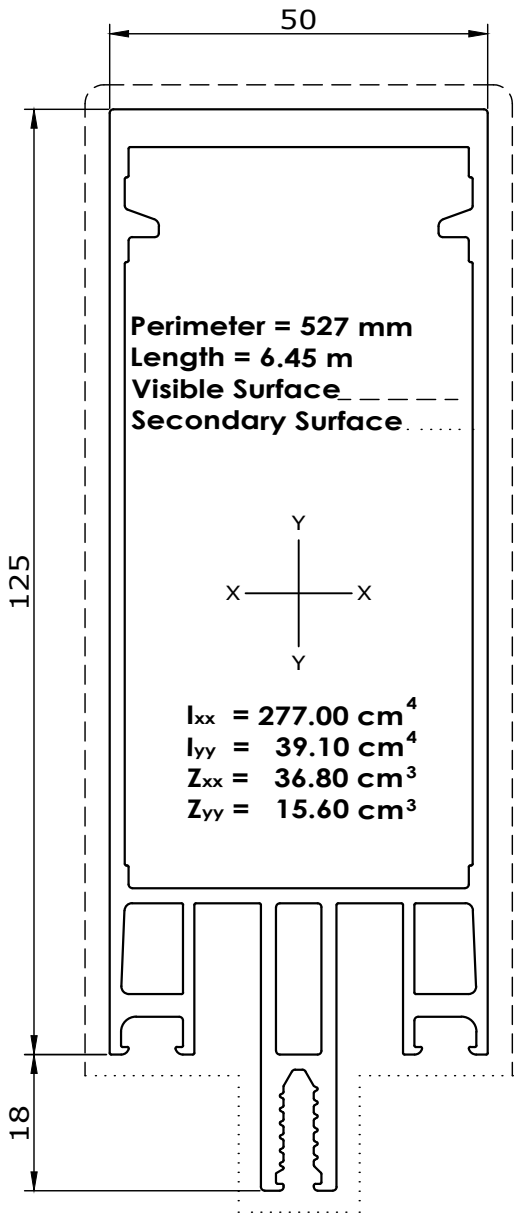
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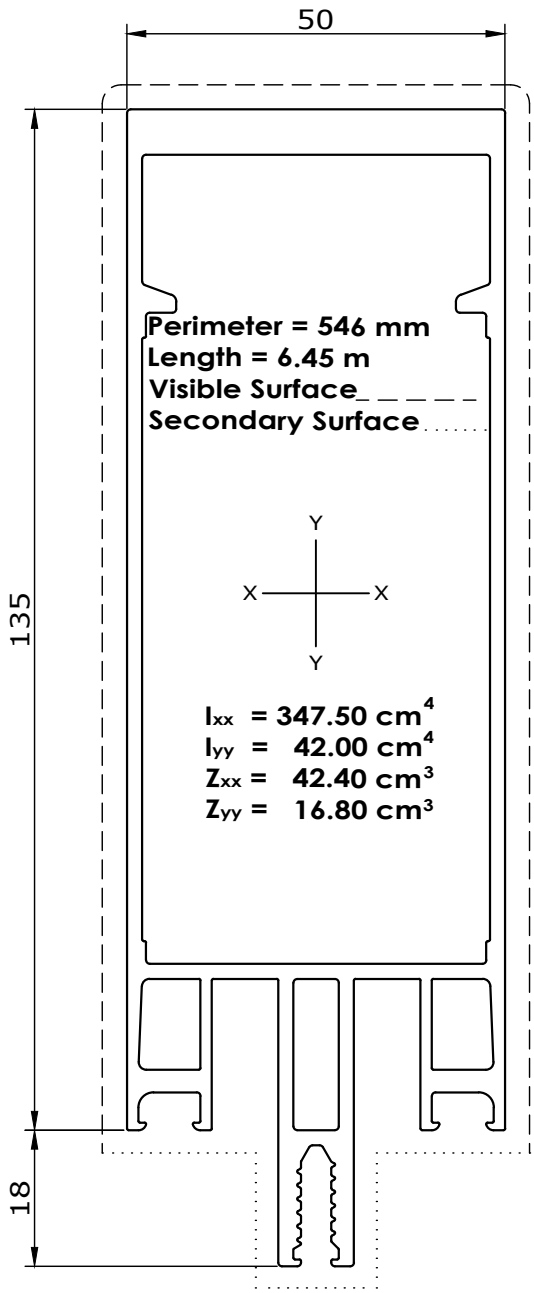
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1073 - Mullion - 125 mm



1074 - Mullion - 135 mm



1.58

Profile Identification

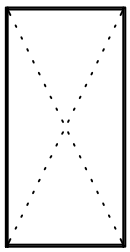
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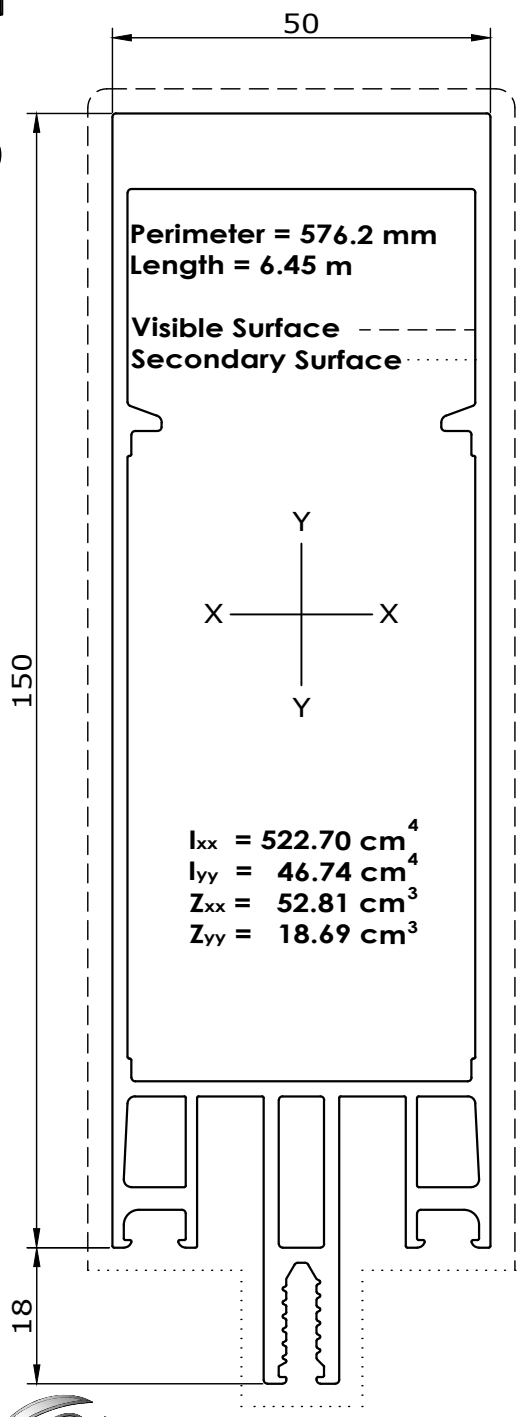


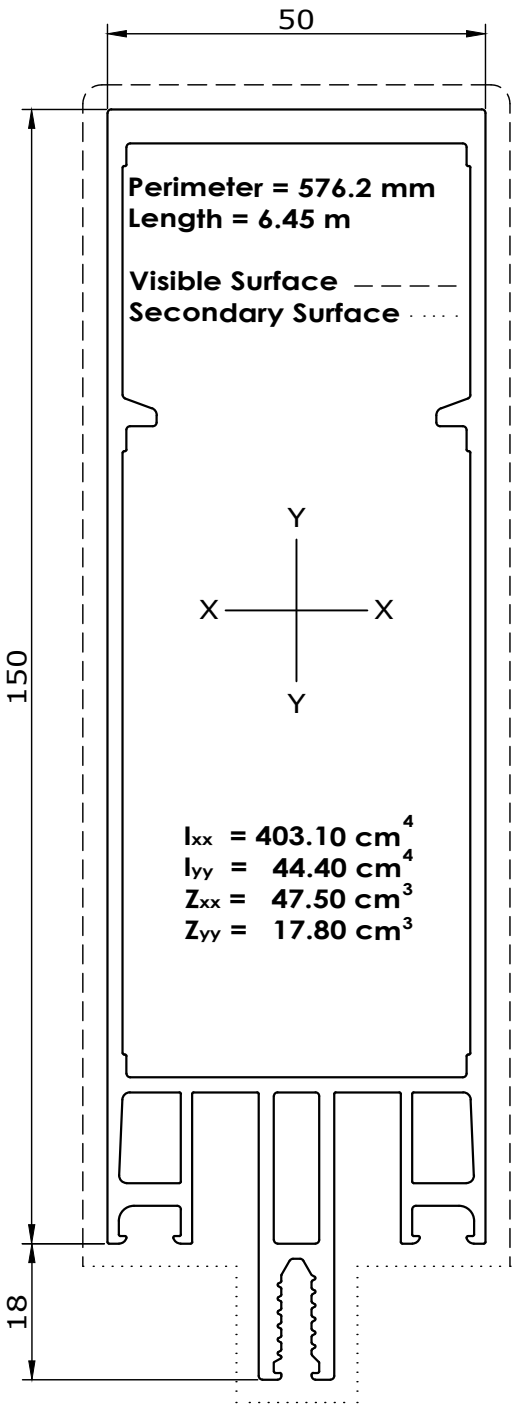
1075 - Mullion - 150 mm 1076 - Mullion - 150 mm

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1.59

Profiles Identification





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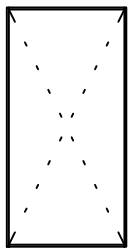
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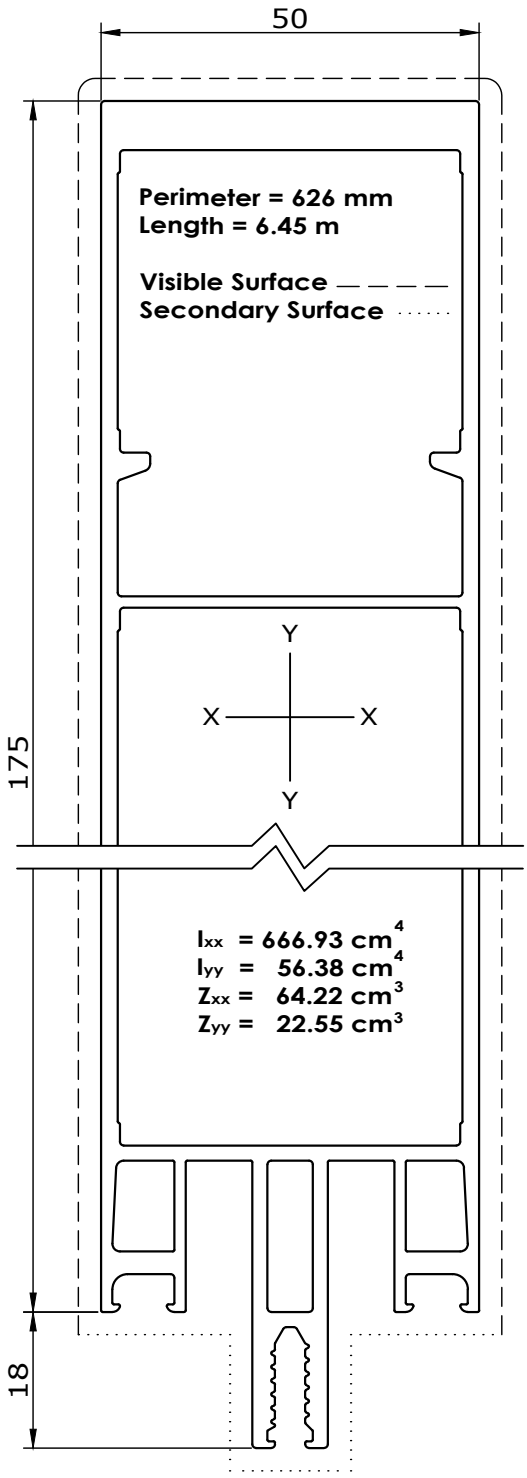
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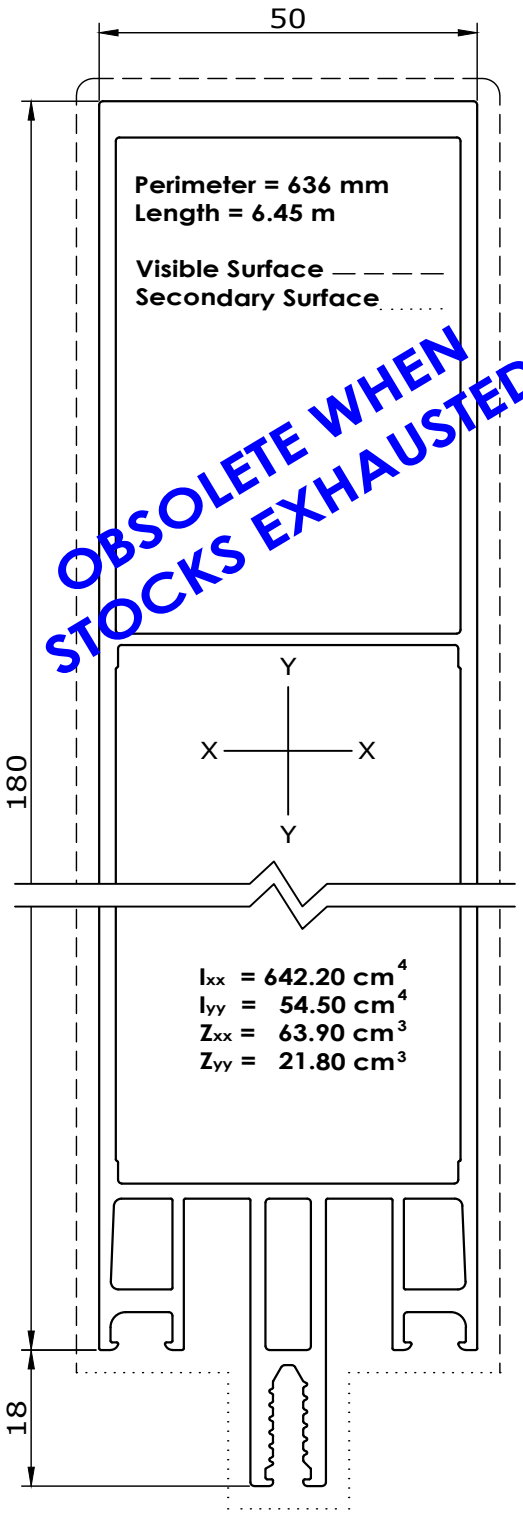
Comar 6EFT



1077 - Mullion - 175 mm



1078 - Mullion - 180 mm



OBSOLETE WHEN STOCKS EXHAUSTED

1.60

Profile Identification

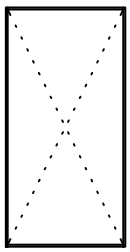
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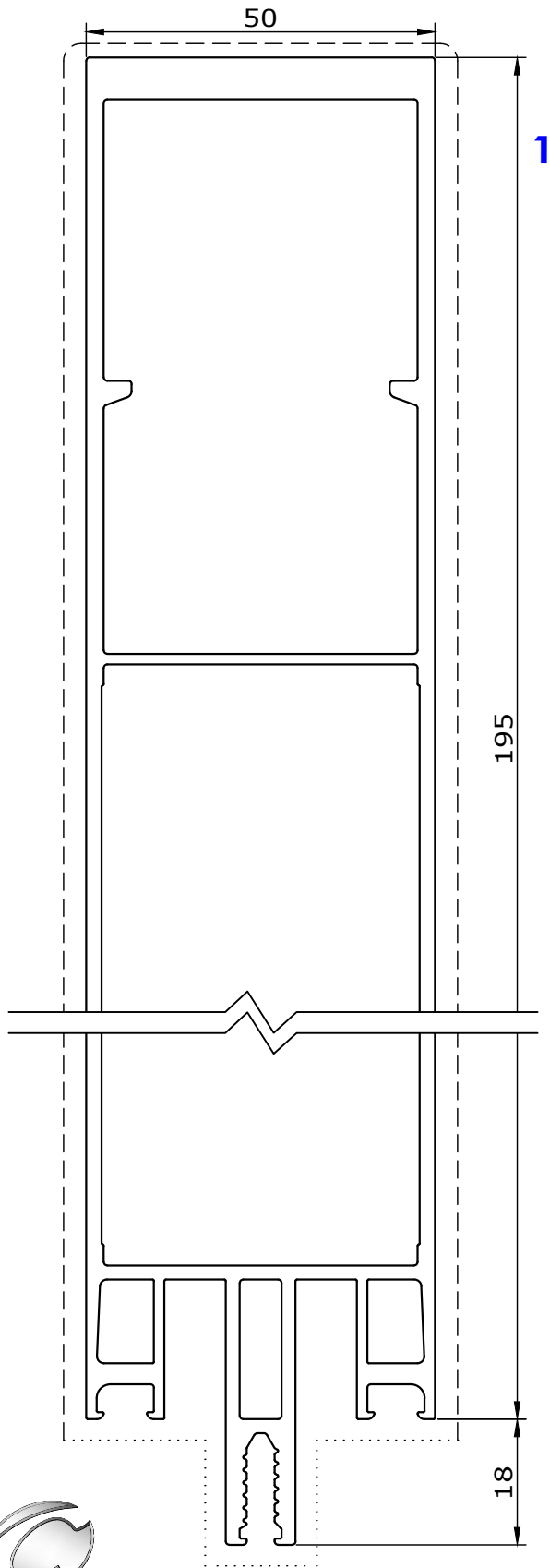
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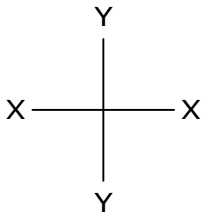


1080 - Mullion - 195mm

1.61

Perimeter = 666 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface .....



I_{xx} = 852.6 cm^4
I_{yy} = 62.7 cm^4
Z_{xx} = 75.4 cm^3
Z_{yy} = 25.1 cm^3

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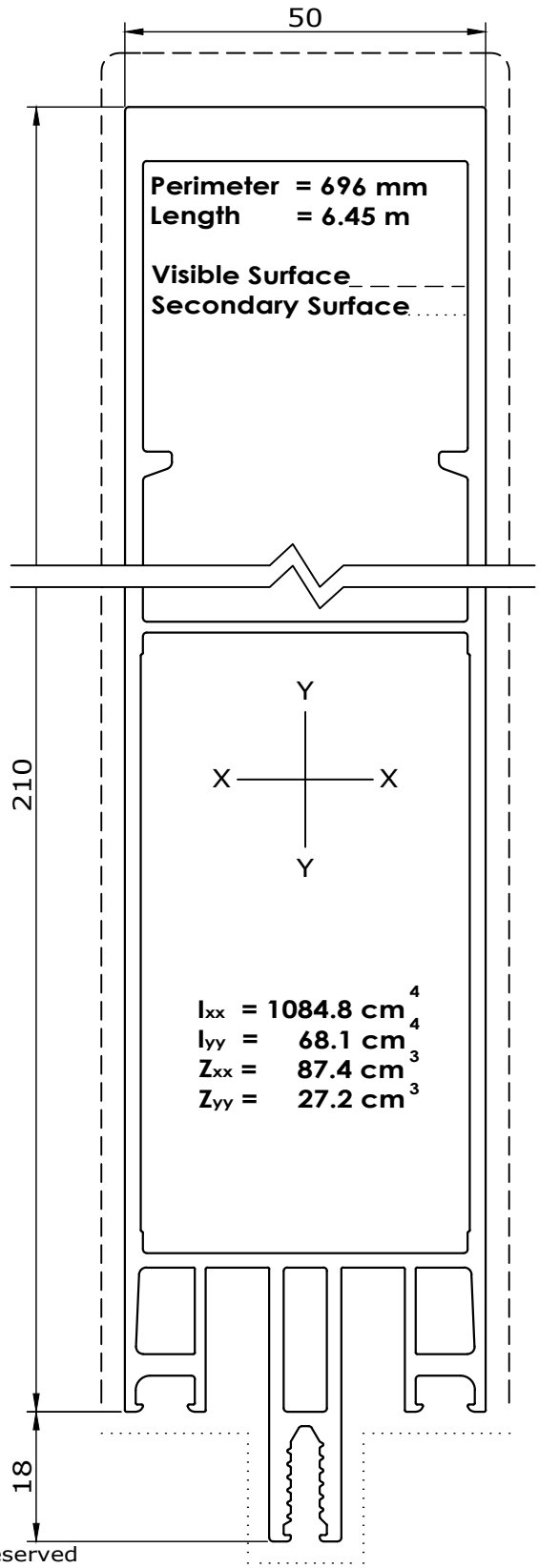
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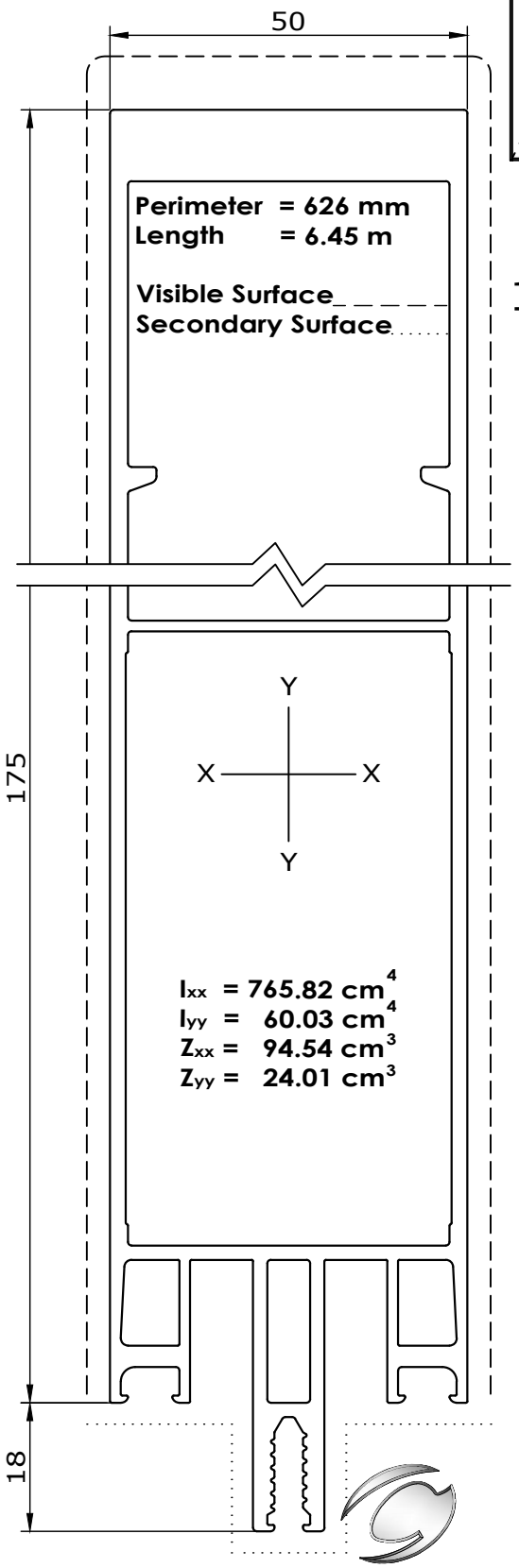
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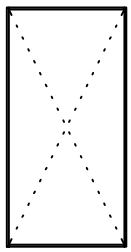
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1082 - Mullion - 210 mm



1085 - Mullion - 175 mm





1.62

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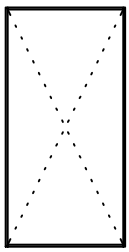
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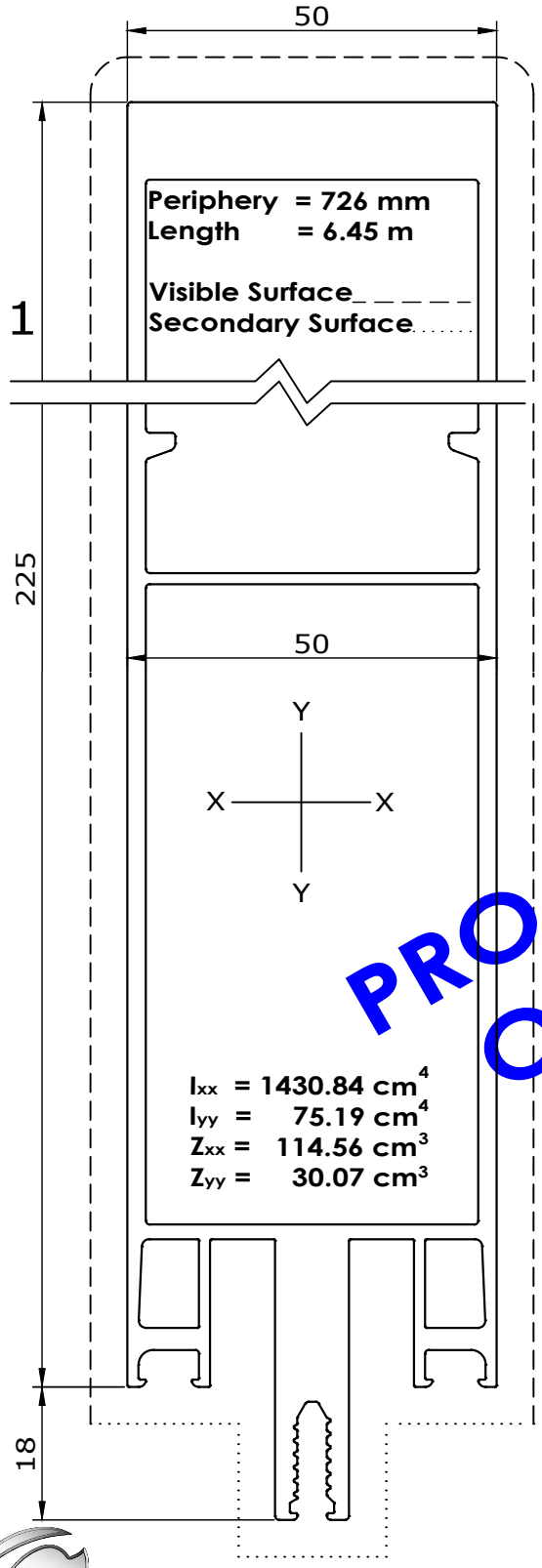
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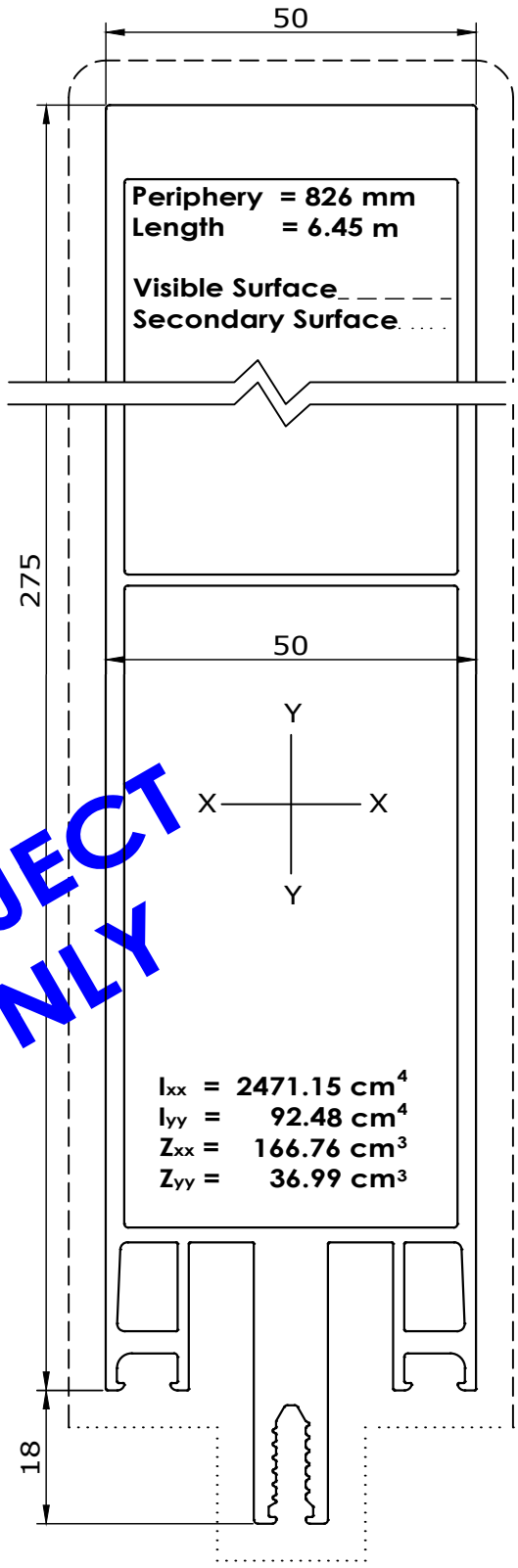
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1087 - Mullion - 225 mm



1090 - Mullion - 275 mm



1.62.1

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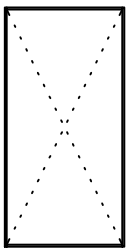
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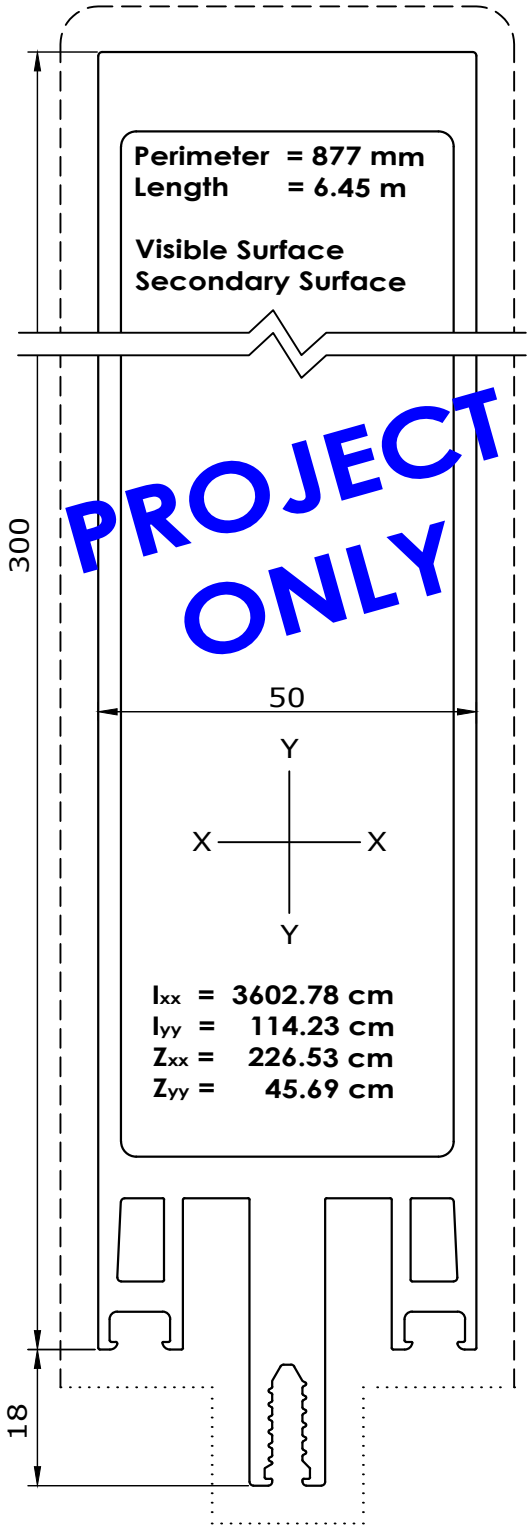
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1095 - Mullion - 300 mm



1.62.2



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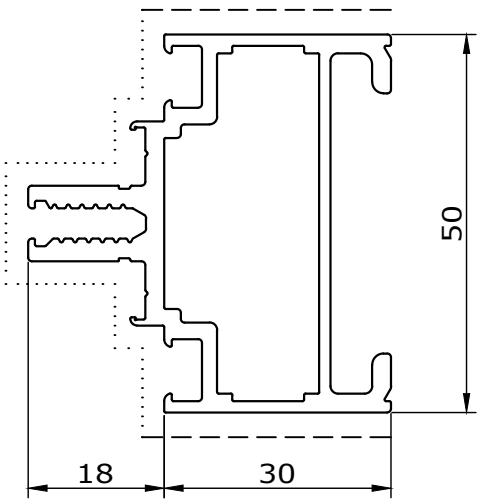
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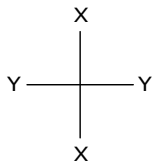
Profiles Identification

1.63

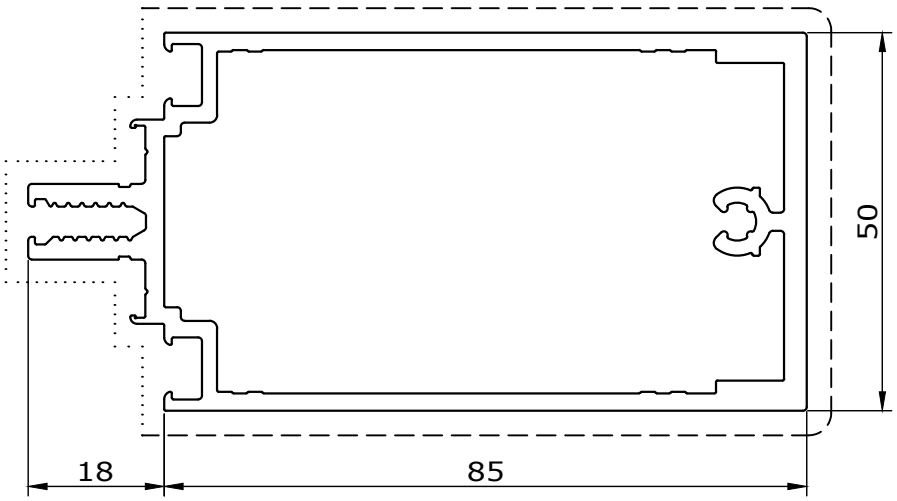
1125 - Transom- 30 mm Direct to steel fix only



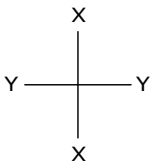
Perimeter = 302.2 mm
Length = 6.45 m
Visible Surface _ _ _ _ _
Secondary Surface .....



1143 - Transom- 85 mm



I_{xx} = 101.89 cm^4
I_{yy} = 28.34 cm^4
Z_{xx} = 17.53 cm^3
Z_{yy} = 11.34 cm^3



Perimeter = 376.9 mm
Length = 6.45 m
Visible Surface _____
Secondary Surface _____

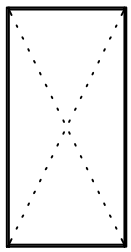
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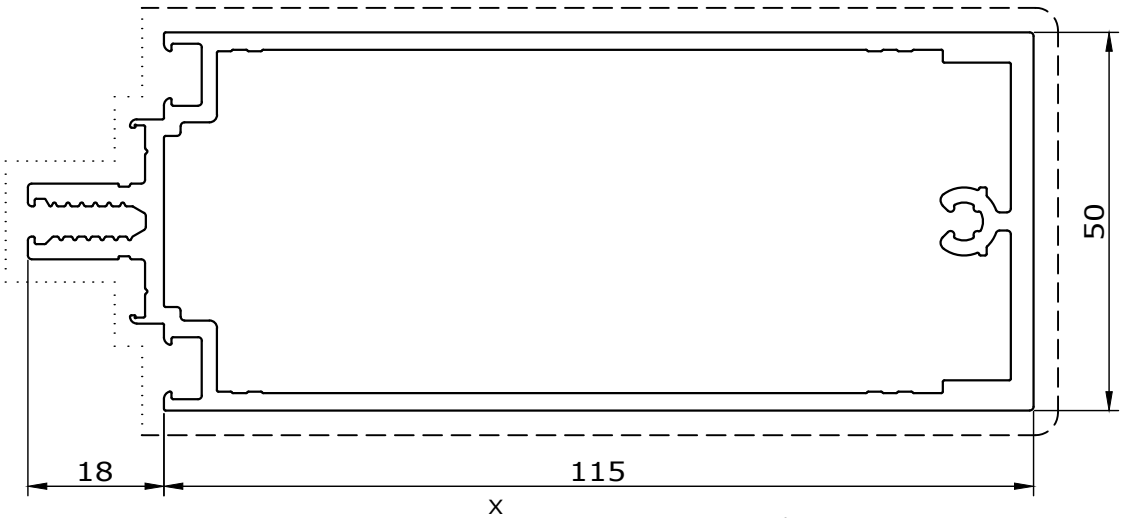
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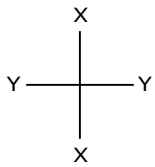


1.64

1144 - Transom - 115 mm

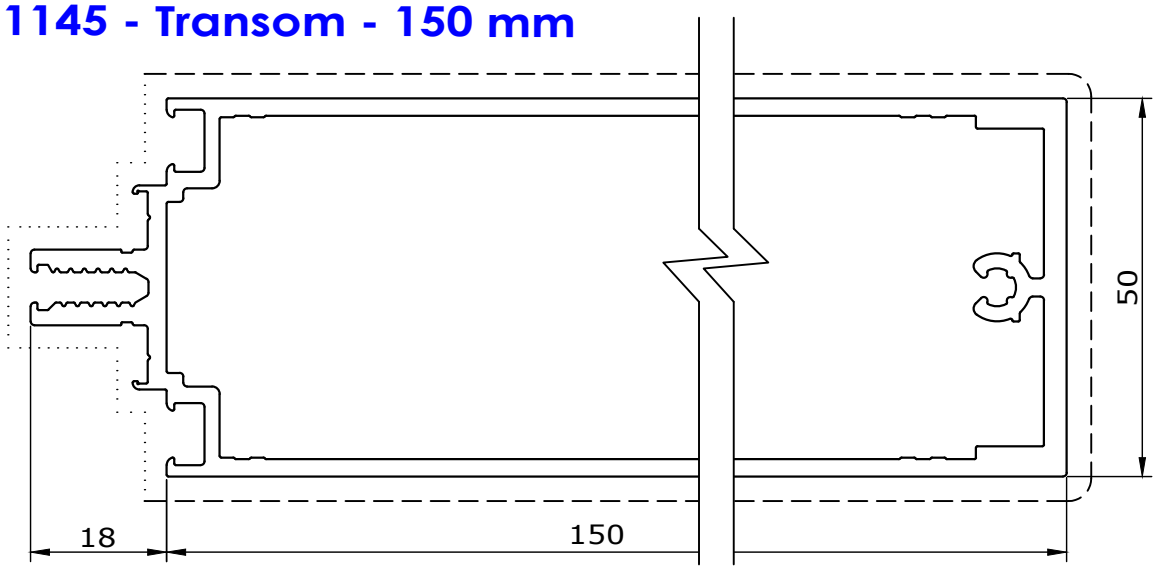


I_{xx} = 210.13 cm^4
I_{yy} = 36.20 cm^4
Z_{xx} = 27.45 cm^3
Z_{yy} = 14.48 cm^3

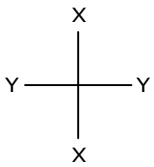


Perimeter = 436.9 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1145 - Transom - 150 mm



I_{xx} = 372.00 cm^4
I_{yy} = 45.37 cm^4
Z_{xx} = 40.92 cm^3
Z_{yy} = 18.15 cm^3



Perimeter = 506.9 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

Profile Identification

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Issue: 05
Date :10-16

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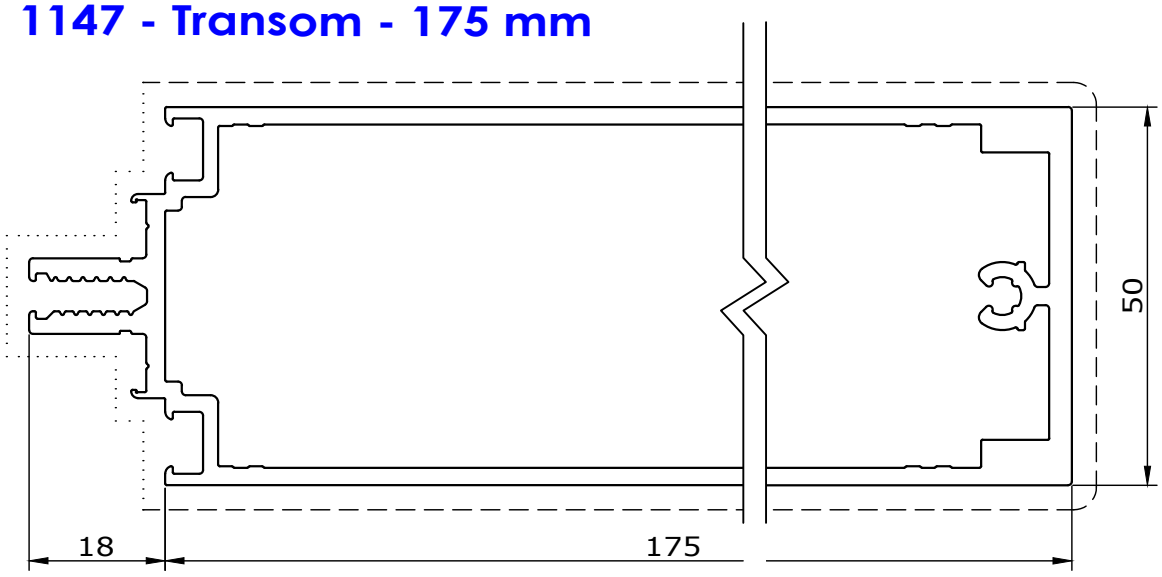
Standard Profiles 1

Comar 6EFT

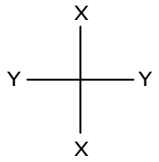
Profiles Identification

1147 - Transom - 175 mm

1.65

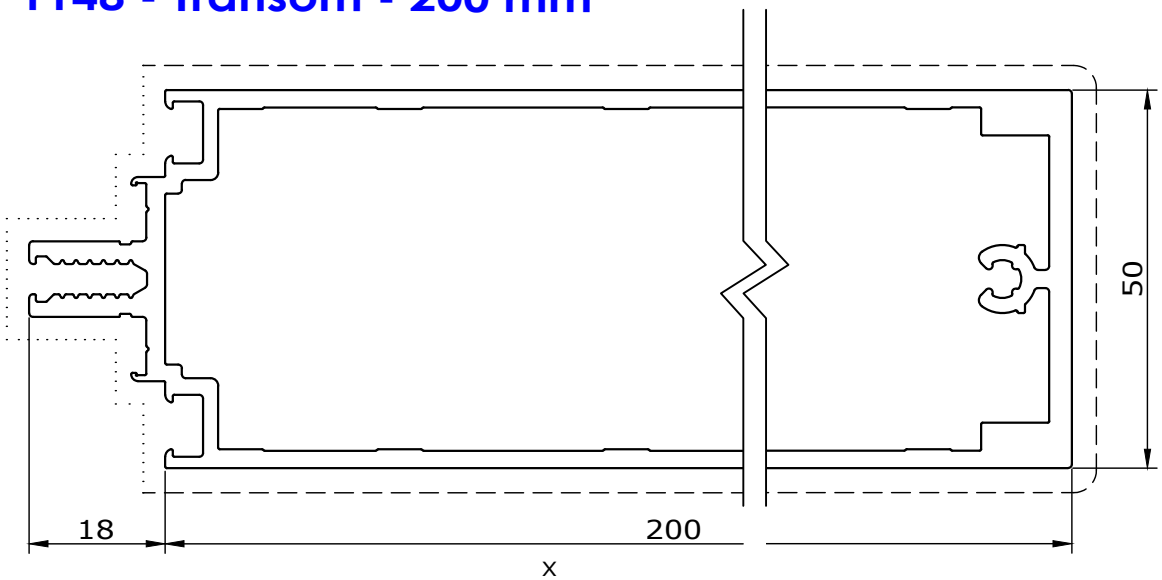


I_{xx} = 559.13 cm^4
I_{yy} = 53.35 cm^4
Z_{xx} = 52.85 cm^3
Z_{yy} = 21.34 cm^3

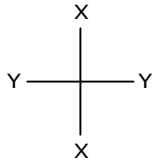


Perimeter = 556.9 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1148 - Transom - 200 mm



I_{xx} = 772.27 cm^4
I_{yy} = 60.57 cm^4
Z_{xx} = 65.21 cm^3
Z_{yy} = 24.23 cm^3



Perimeter = 606.75 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

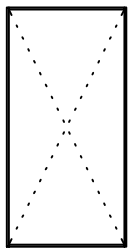
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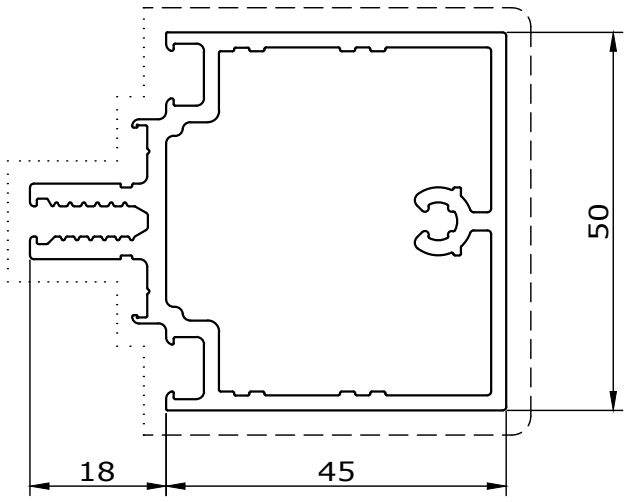
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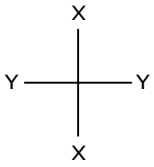
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1.66

1149- Transom - 45 mm

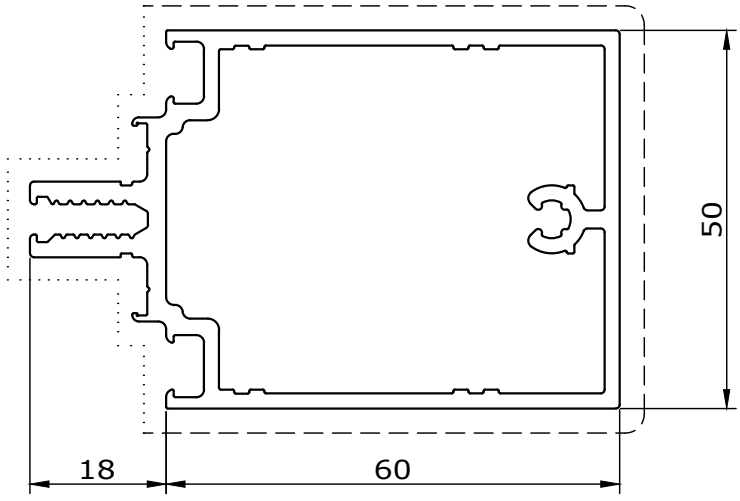


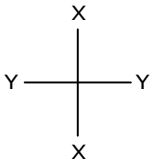


I_{xx} = 19.9 cm^4
I_{yy} = 12.8 cm^4
Z_{xx} = 6.0 cm^3
Z_{yy} = 5.1 cm^3

Perimeter = 296 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1150- Transom - 60 mm





I_{xx} = 36.3 cm^4
I_{yy} = 15.5 cm^4
Z_{xx} = 9.2 cm^3
Z_{yy} = 6.2 cm^3

Perimeter = 329 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

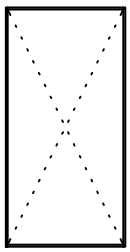
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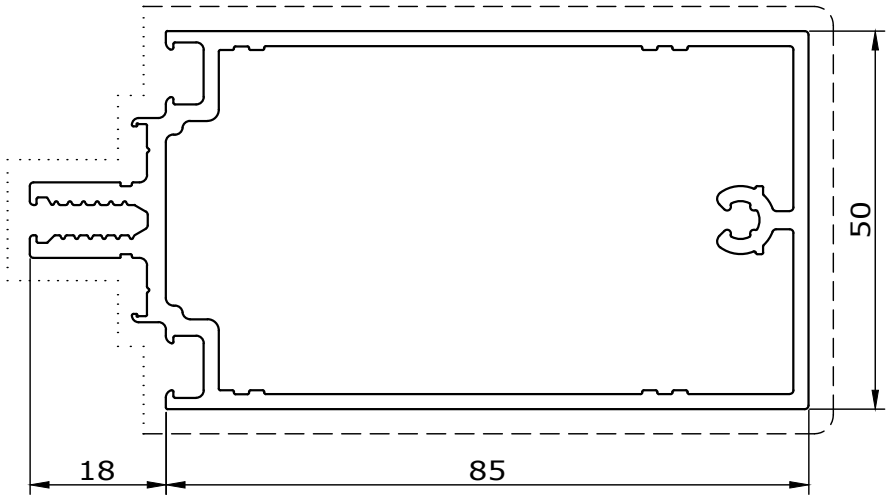
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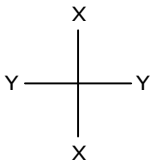


1.67

1151 - Transom - 85 mm

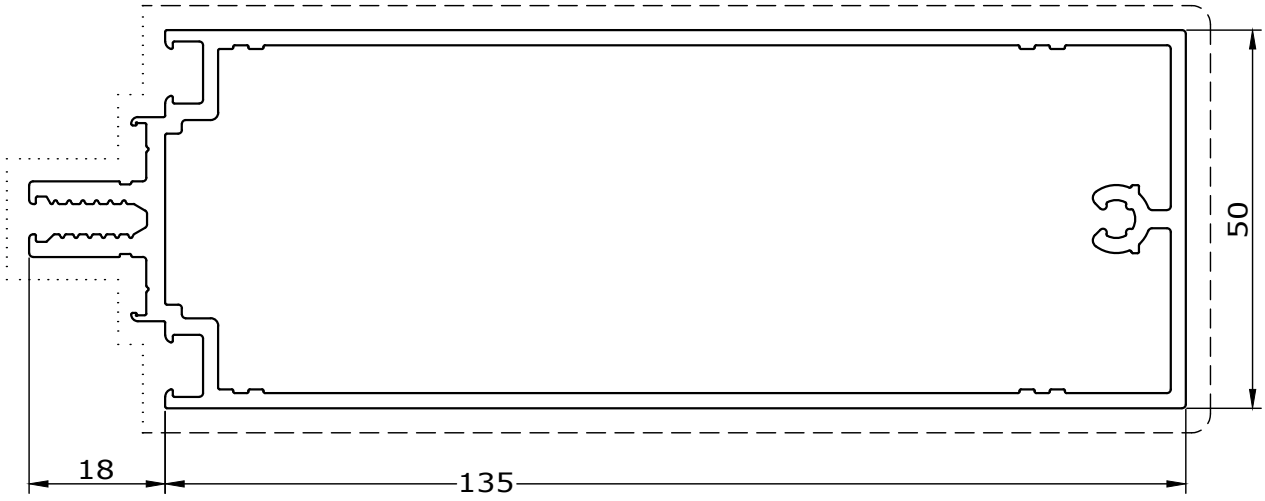


I_{xx} = 77.2 cm^4
I_{yy} = 19.9 cm^4
Z_{xx} = 14.8 cm^3
Z_{yy} = 7.9 cm^3

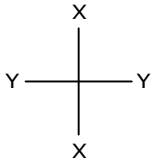


Perimeter = 379 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1152 - Transom - 135mm



I_{xx} = 247.9 cm^4
I_{yy} = 35.5 cm^4
Z_{xx} = 31.9 cm^3
Z_{yy} = 14.2 cm^3



Perimeter = 476 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

Profiles Identification

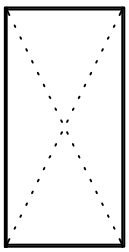
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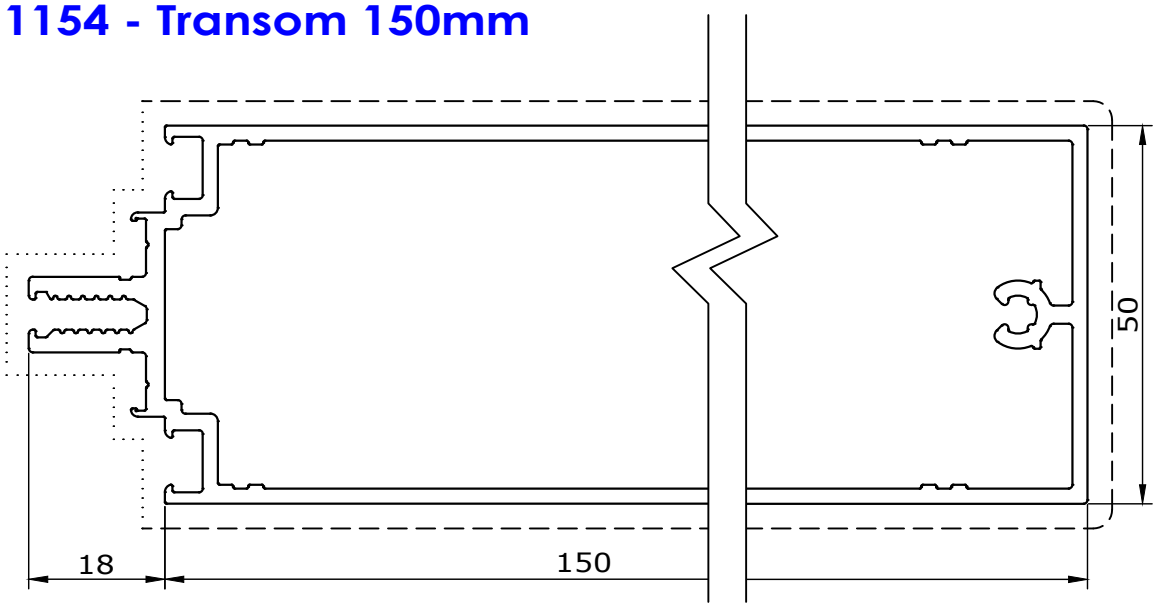
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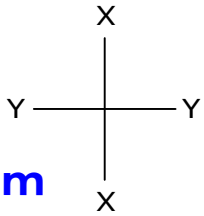


1.68

1154 - Transom 150mm

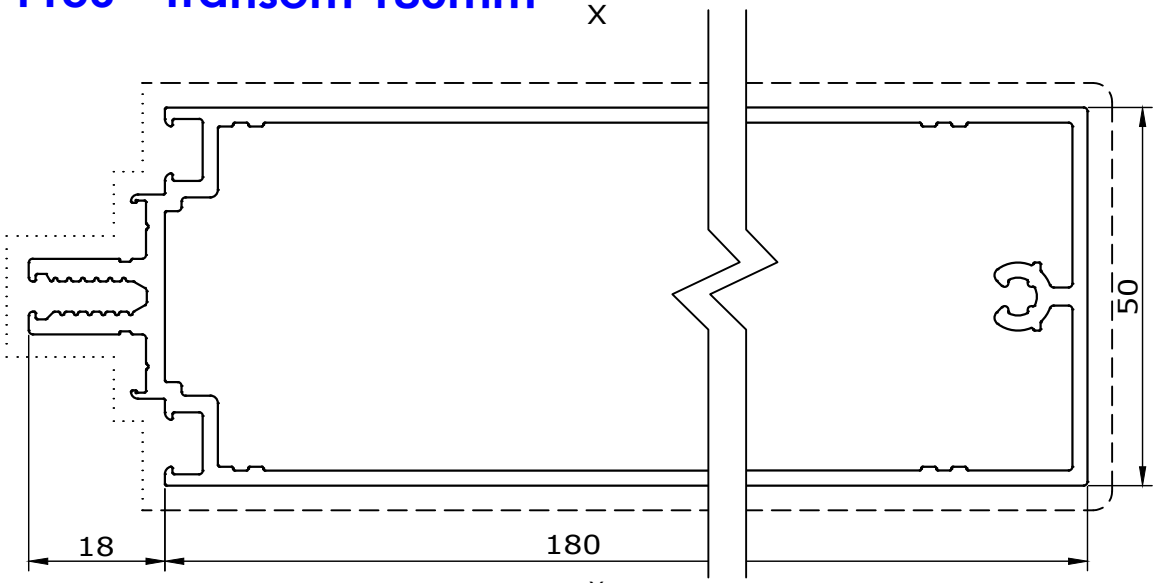


I_{xx} = 317.3 cm^4
I_{yy} = 39,0 cm^4
Z_{xx} = 37.3 cm^3
Z_{yy} = 15.6 cm^3

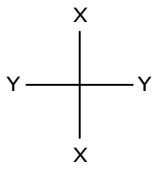


Perimeter = 506 mm
Length = 6.45 m
Visible Surface _ _ _ _ _
Secondary Surface .....

1156 - Transom 180mm



I_{xx} = 489.4 cm^4
I_{yy} = 45.9 cm^4
Z_{xx} = 49.1 cm^3
Z_{yy} = 18.4 cm^3



Perimeter = 565 mm
Length = 6.45 m
Visible Surface _ _ _ _ _
Secondary Surface .....

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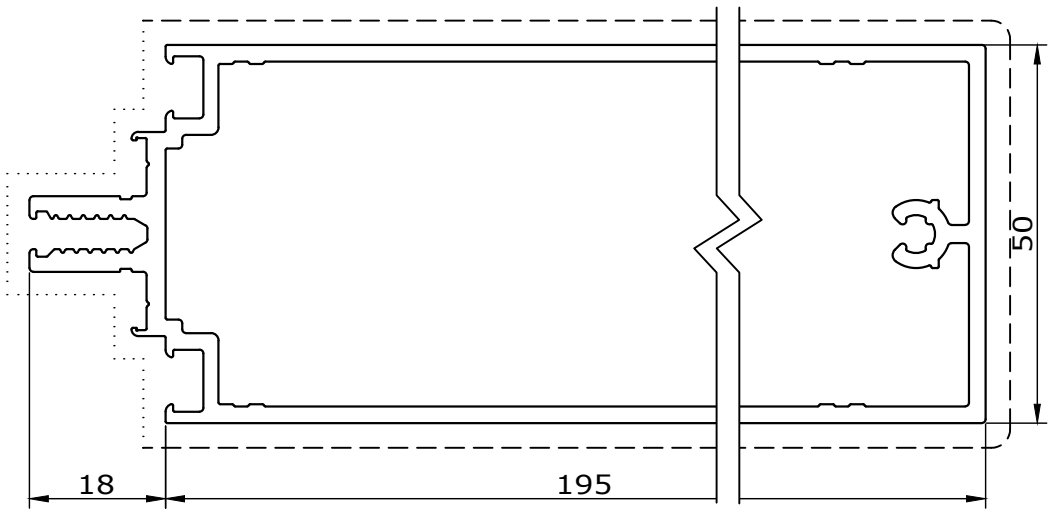
Standard Profiles 1

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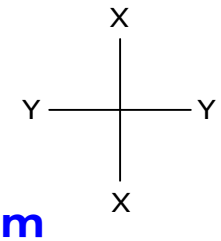
Profiles Identification

1157 - Transom 195mm

1.69

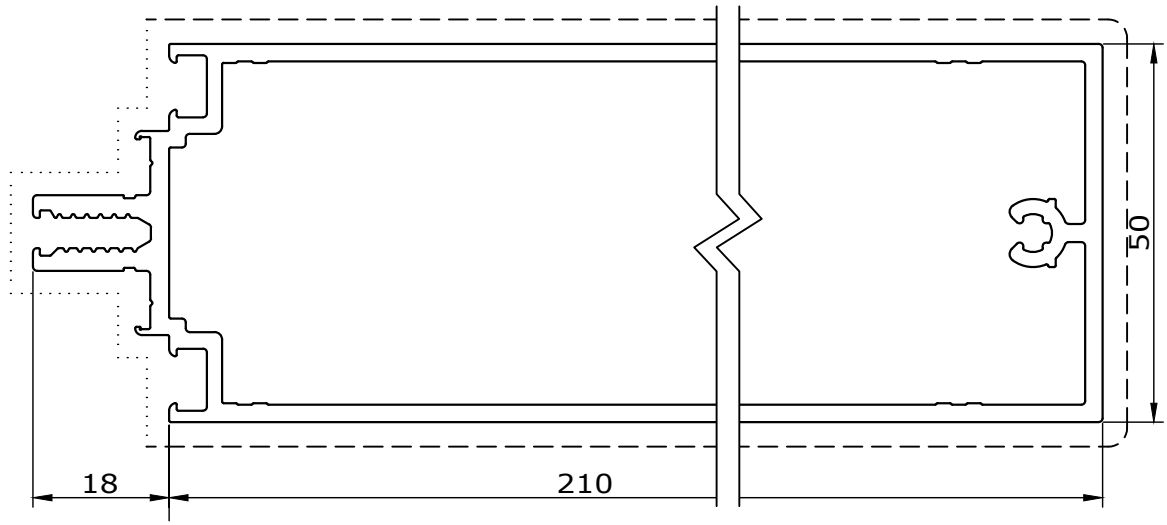


I_{xx} = 622.7 cm^4
I_{yy} = 53.2 cm^4
Z_{xx} = 57.4 cm^3
Z_{yy} = 21.3 cm^3



Perimeter = 595 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

1158 - Transom 210mm



I_{xx} = 764.1 cm^4
I_{yy} = 59.1 cm^4
Z_{xx} = 65.6 cm^3
Z_{yy} = 23.6 cm^3

Perimeter = 625 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface .....

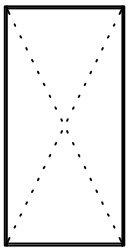
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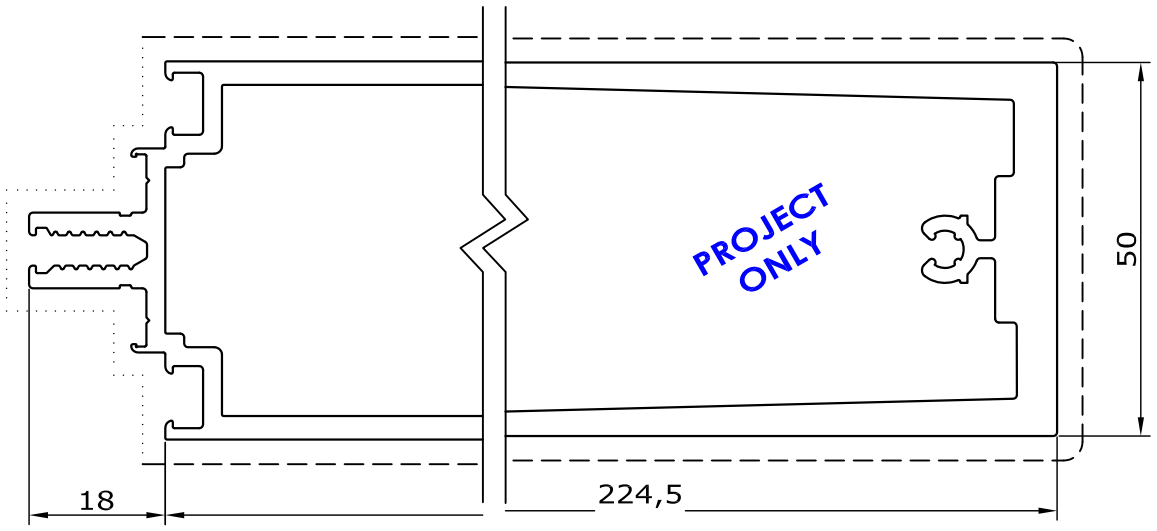
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1.70

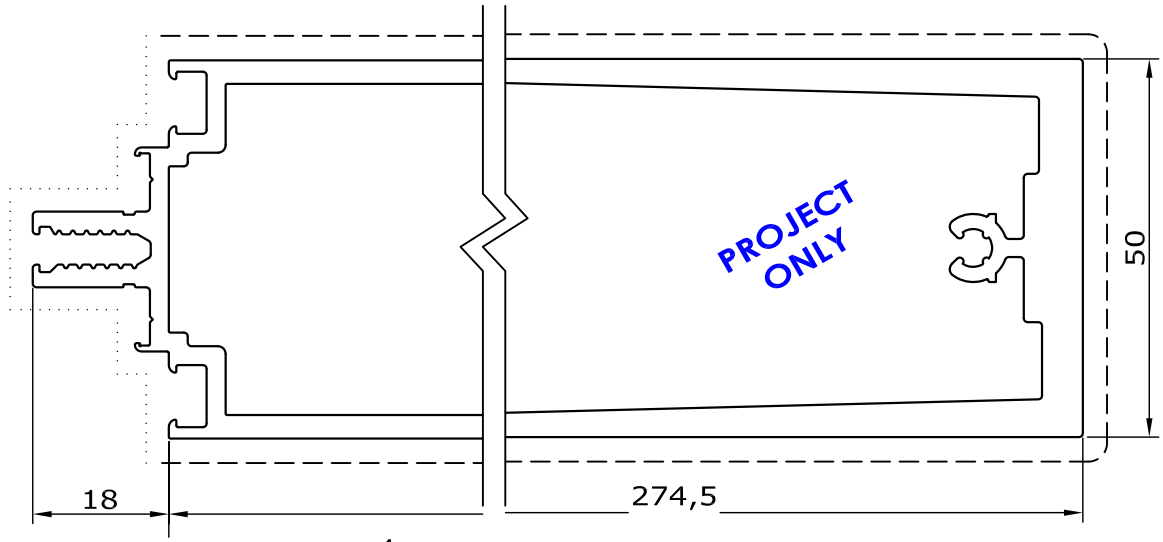
1159 - Transom 225mm



I_{xx} = 1350.7 cm^4
I_{yy} = 89.1 cm^4
Z_{xx} = 95.8 cm^3
Z_{yy} = 35.6 cm^3

Perimeter = 656 mm
Length = 6.10 m
Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .

1162 - Transom 275mm



I_{xx} = 2225.7 cm^4
I_{yy} = 106.2 cm^4
Z_{xx} = 133.4 cm^3
Z_{yy} = 42.5 cm^3

Perimeter = 656 mm
Length = 6.10 m
Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .

Profiles Identification

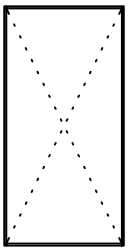
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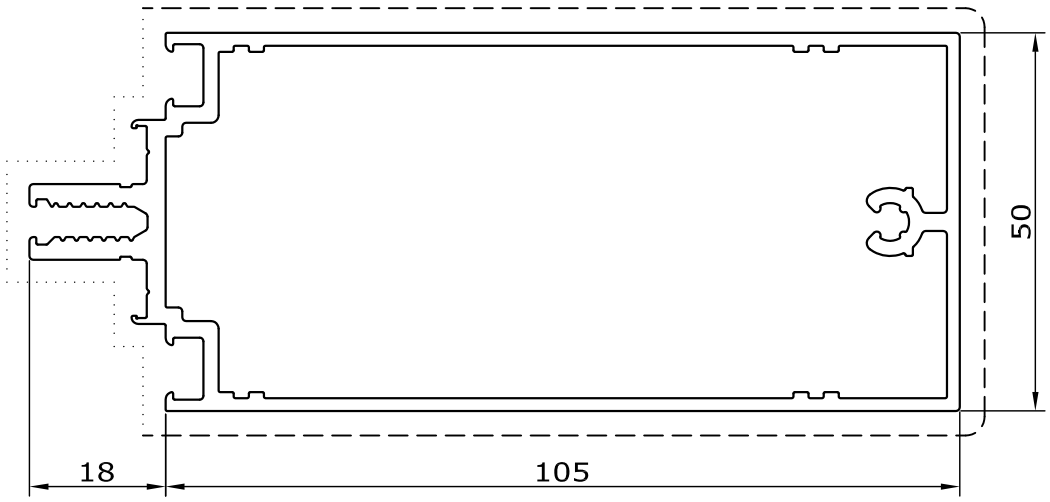
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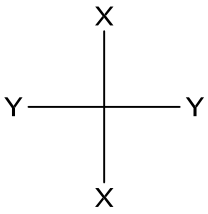
1164 - Transom -105 mm



1.71

Profiles Identification

I_{xx} = 130.0 cm^4
I_{yy} = 25.5 cm^4
Z_{xx} = 21.1 cm^3
Z_{yy} = 10.2 cm^3



Perimeter = 419 mm
Length = 6.45 m
Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .

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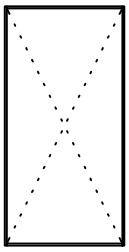
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Future Additions



1.72

FUTURE ADDITION

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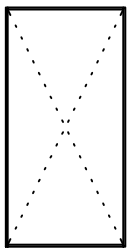
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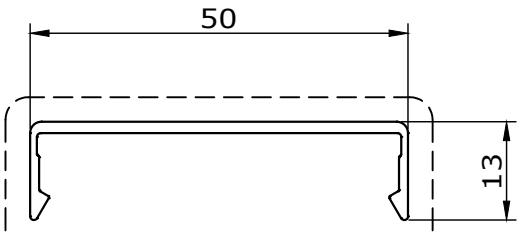
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1201- Cover cap - 13mm

1.73



Perimeter = 149 mm
Length = 6.45 m

Visible Surface – – – – – –

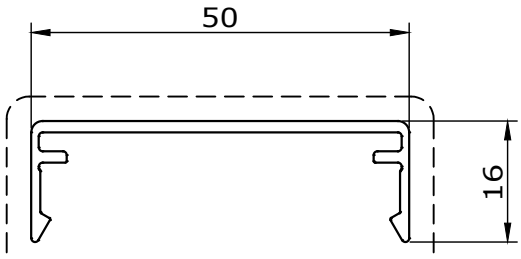
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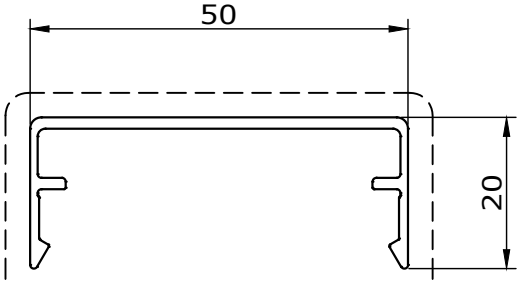
1203 - Cover cap - 16mm

Perimeter = 174 mm
Length = 6.45 m

Visible Surface – – – – – –



1204 - Cover cap - 20mm



Perimeter = 190 mm
Length = 6.45 m

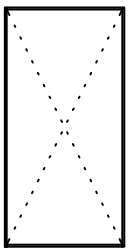
Visible Surface – – – – – –

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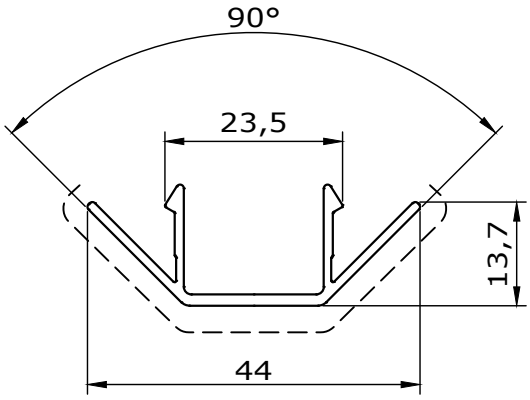
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1210 - Cover cap - 45°

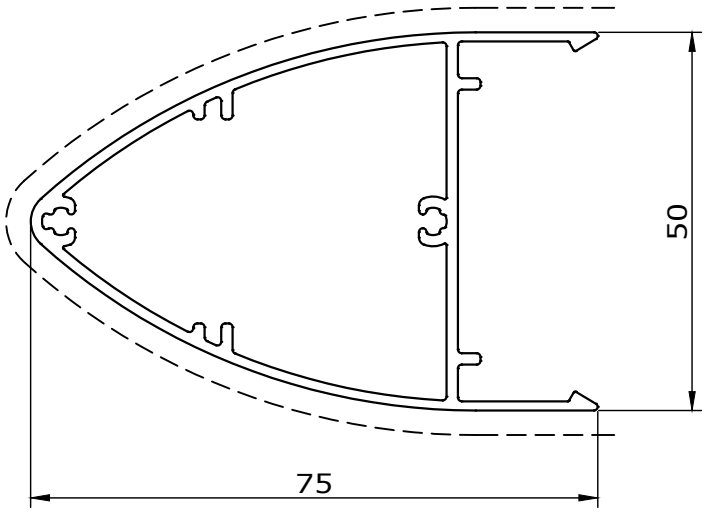


1.74

Perimeter = 164 mm
Length = 6.45 m

Visible Surface – – – – – –

1211 - Cover cap bull nose - 75mm



Perimeter = 263 mm
Length = 6.45 m

Visible Surface – – – – – –

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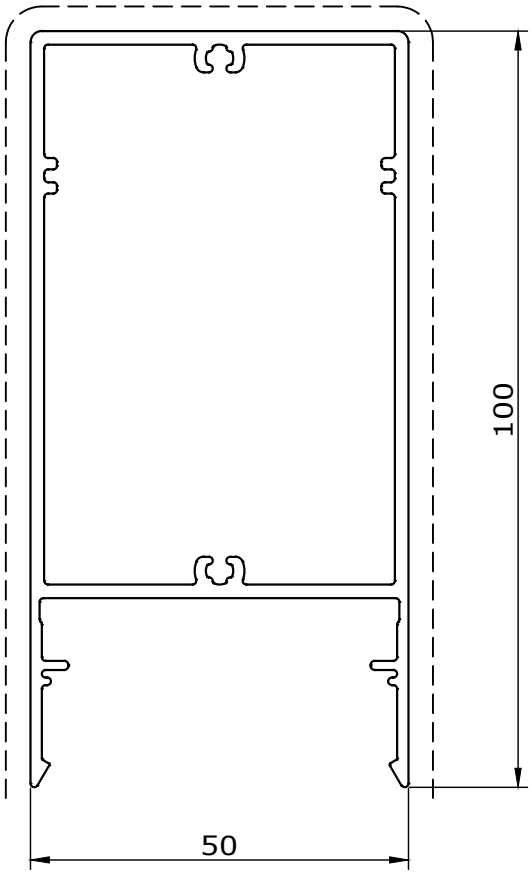
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1213 - Cover cap - 100 mm

1.75



Perimeter = 365 mm
Length = 6.45 m

Visible Surface – – – – – –

Profiles Identification

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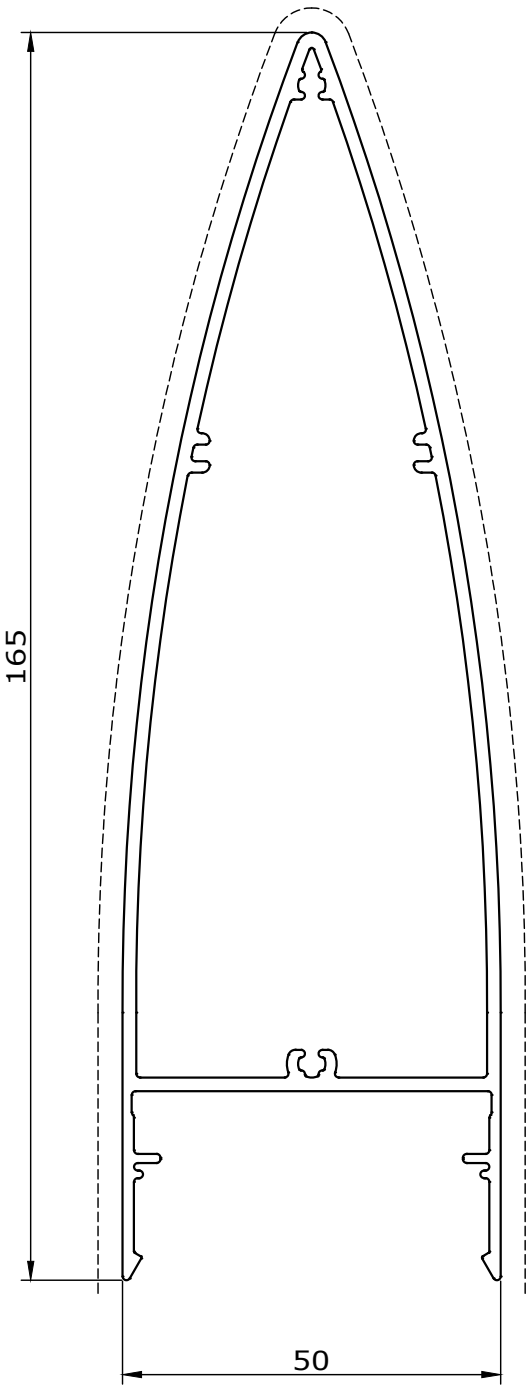
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1214 - Cover cap bull nose - 165 mm

1.76



Perimeter = 454 mm
Length = 6.45 m

Visible Surface – – – – – –

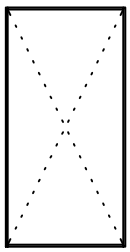
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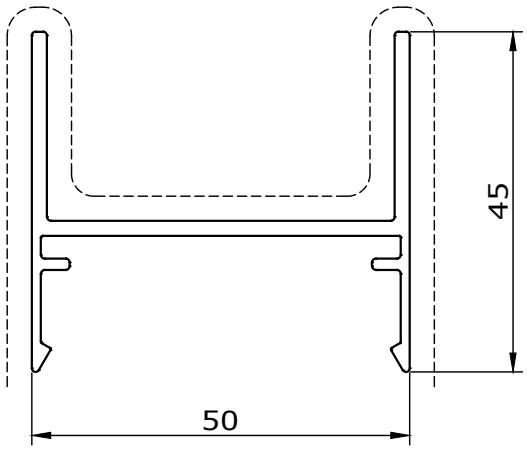
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1221 - Cover cap - 45 mm

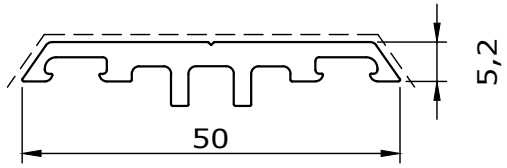
1.77



Perimeter = 289 mm
Length = 6.45 m

Visible Surface – – – – – –

1259 - Pressure plate for roof



Perimeter = 137 mm
Length = 6.45 m

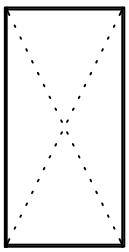
Visible Surface – – – – – –

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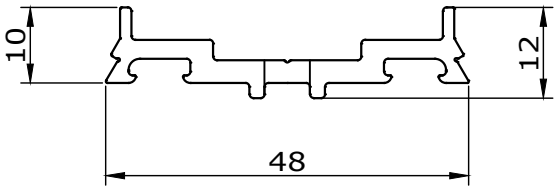
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1251 - Pressure plate - Duo gasket

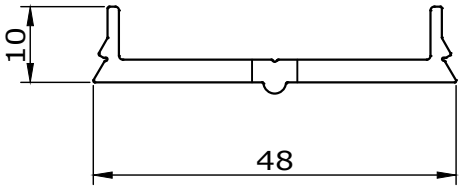
Perimeter = 150 mm
Length = 6.45 m

Visible Surface – – – – – –



1.78

1252 - Pressure plate - Standard



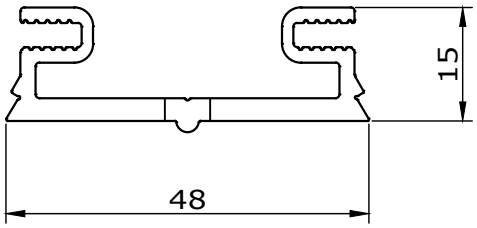
Perimeter = 130 mm
Length = 6.45 m

Visible Surface – – – – – –

1253 - Pressure plate - Screw fix

Perimeter = 214 mm
Length = 6.45 m

Visible Surface – – – – – –



Profiles Identification

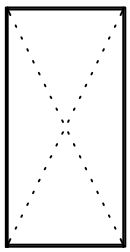
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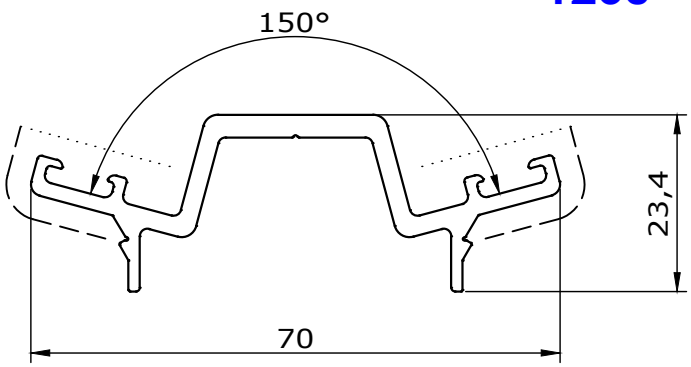
Standard Profiles 1

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1.79

1260 - Pressure plate - 15°



Perimeter = 250 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....

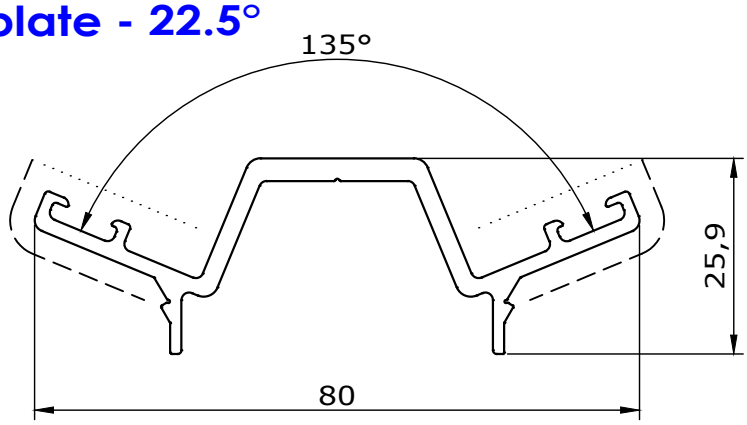
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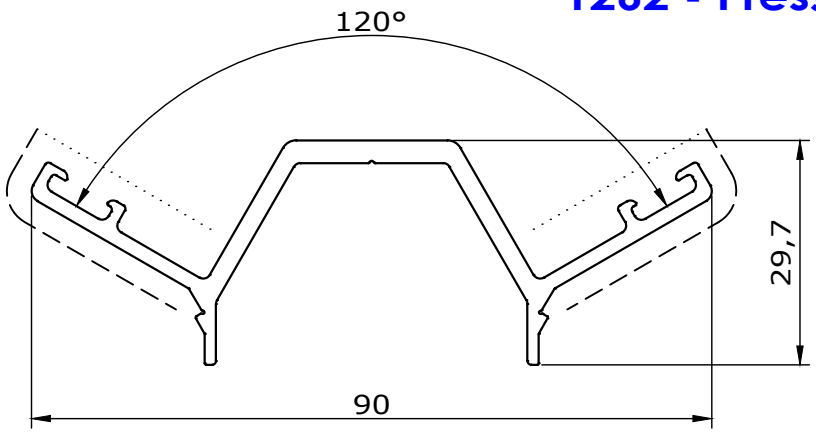
1261 - Pressure plate - 22.5°

Perimeter = 275 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....



1262 - Pressure plate - 30°



Perimeter = 305 mm
Length = 6.45 m

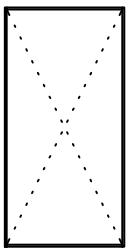
Visible Surface – – – – –
Secondary Surface .....

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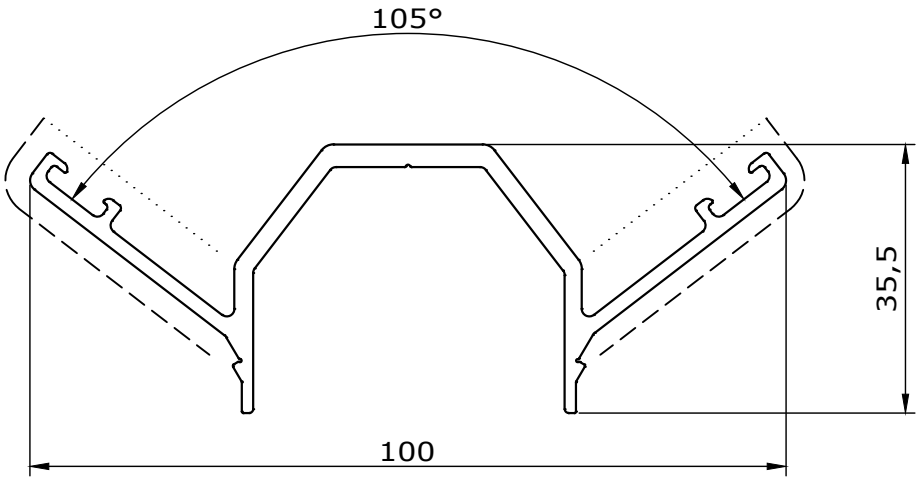
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1.80

1263 - Pressure plate - 37.5°



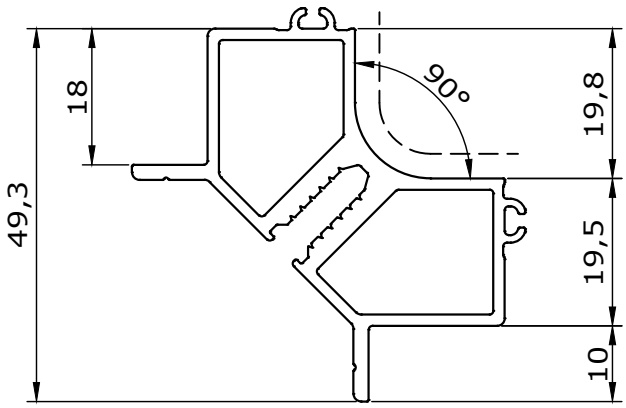
Perimeter = 360 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....

1264 - Corner adaptor

Perimeter = 241 mm
Length = 6.45 m

Visible Surface – – – – – –



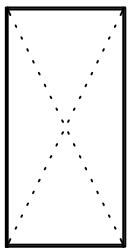
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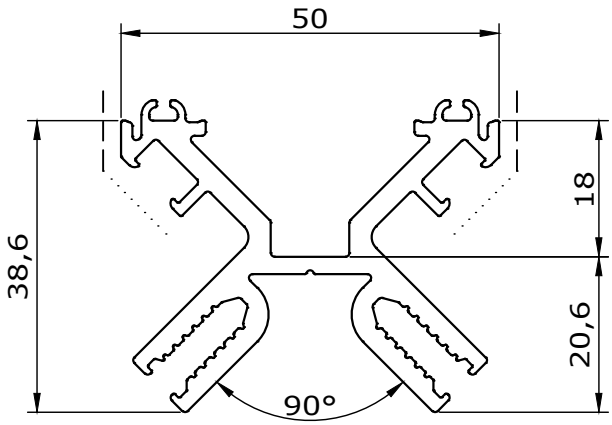
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1.81

1265 - Corner mullion adaptor - 45°



Perimeter = 399 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _
Secondary Surface . . . . . .

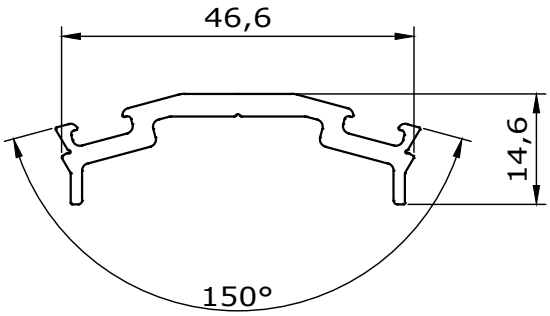
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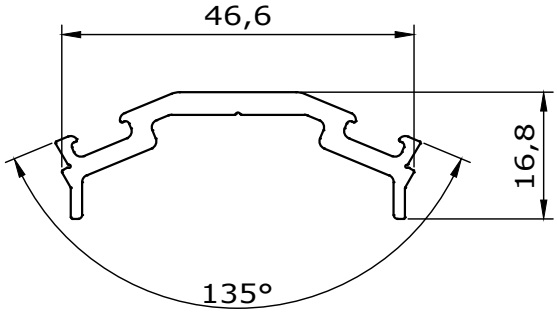
1266 - Pressure plate - 15°

Perimeter = 151 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _



1267 - Pressure plate - 22.5°



Perimeter = 155 mm
Length = 6.45 m

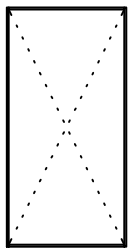
Visible Surface _ _ _ _ _ _ _

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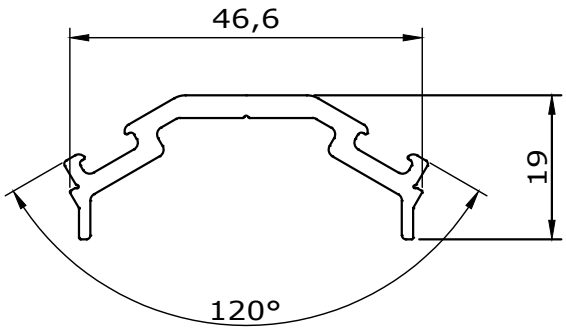
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1268 - Pressure plate - 30°

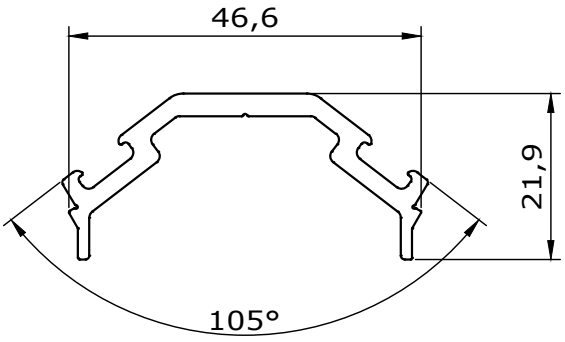


Perimeter = 160 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _

1.82

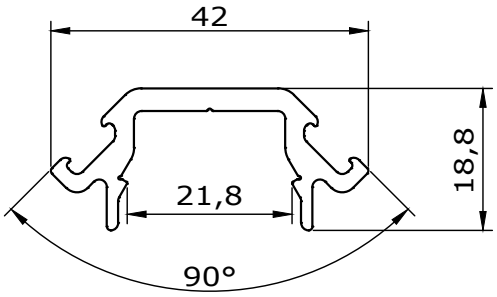
1269 - Pressure plate - 37.5°



Perimeter = 168 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _

1270 - Pressure plate - 45°



Perimeter = 154 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _

Profiles Identification

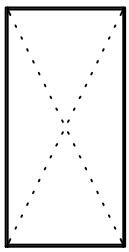
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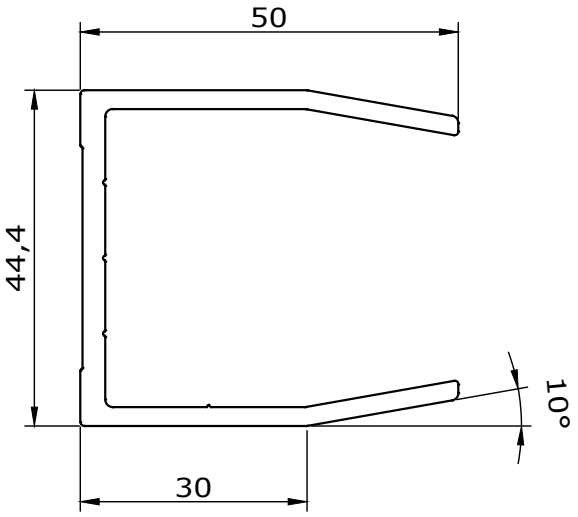
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1.83

Profiles Identification

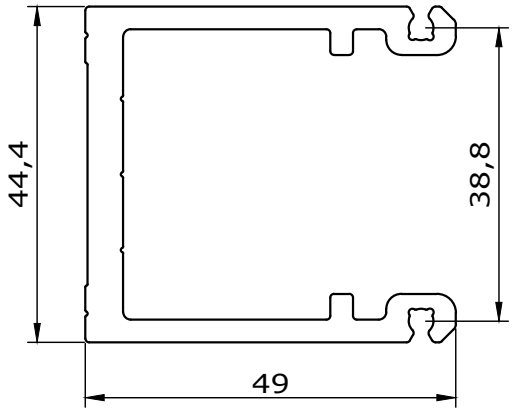
1300 - Transom cleat



Perimeter = 282 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _

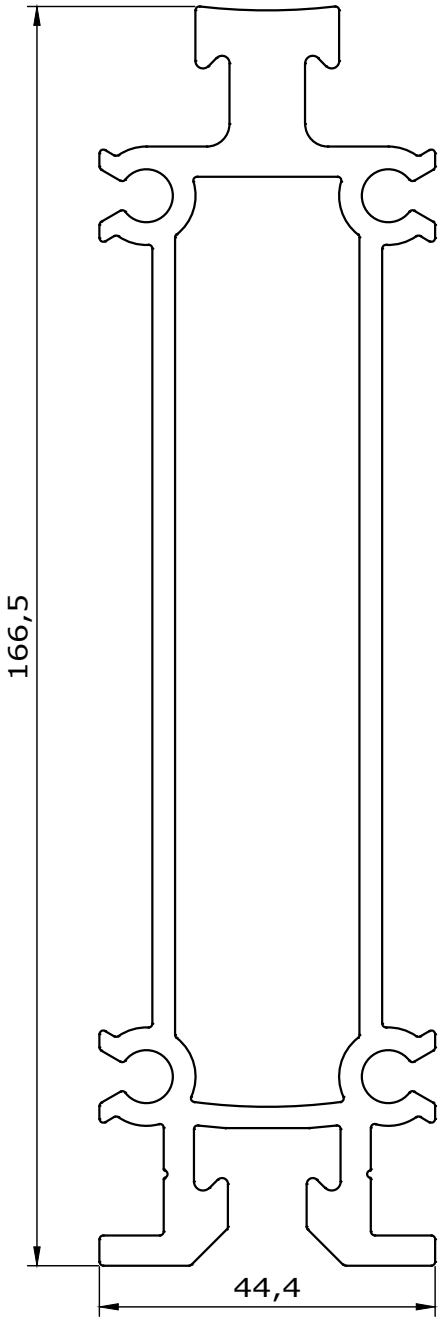
1305 - Transom cleat



Perimeter = 312 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _

1373 - Mullion's connector



Perimeter = 910 mm
Length = 3.45 m

Visible Surface _ _ _ _ _ _

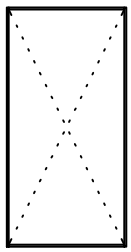
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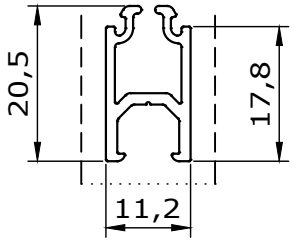
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1328 - Glazing adaptor - 18mm

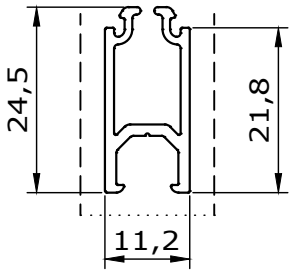
Perimeter = 121 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....



1.84

1329 - Glazing adaptor - 22mm



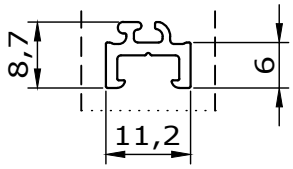
Perimeter = 137 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....

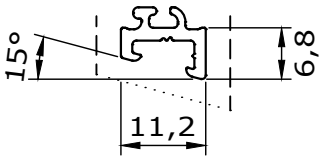
1330 - Glazing adaptor - 18mm

Perimeter = 59 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....



1331 - Glazing adaptor - 15°



Perimeter = 58 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface .....

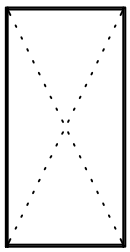
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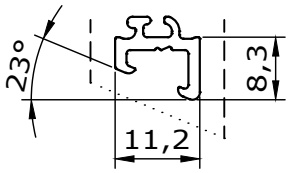
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1332 - Glazing adaptor - 22.5°

1.85



Perimeter = 61 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .

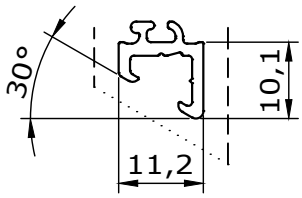
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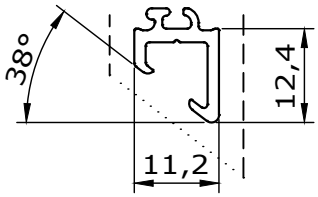
1333 - Glazing adaptor - 30°

Perimeter = 67 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .



1334 - Glazing adaptor - 37.5°



Perimeter = 73 mm
Length = 6.45 m

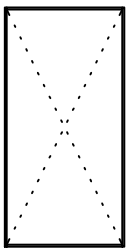
Visible Surface _ _ _ _ _ _
Secondary Surface . . . . . .

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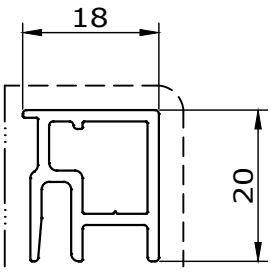
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1335 - Spandrel frame - 18 mm

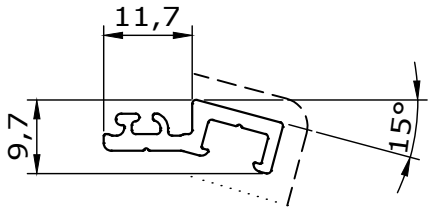


Perimeter = 155 mm
Length = 6.45 m

Visible Surface – – – – – –
Bonding Surface ——···——

1.86

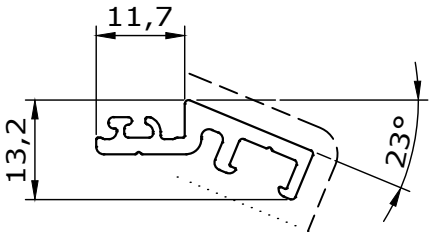
1336 - Glazing adaptor - 15° (internal corner)



Perimeter = 86 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface ·····

1337 - Glazing adaptor - 22.5° (internal corner)



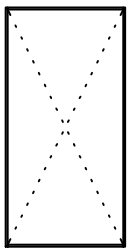
Perimeter = 104 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface ·····

Profiles Identification

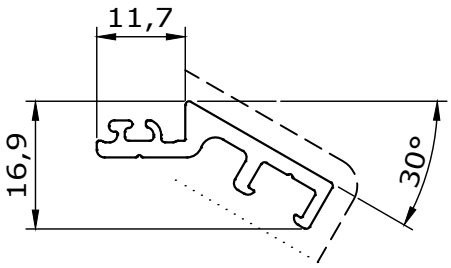
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1.87

1338 - Glazing adaptor - 30° (internal corner)



Perimeter = 112 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface . . . . . .

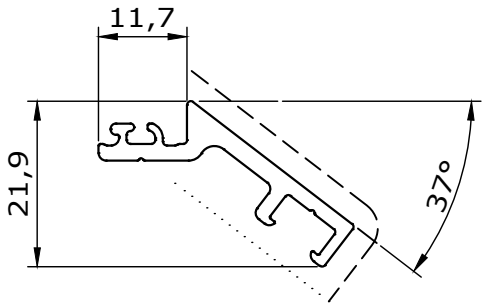
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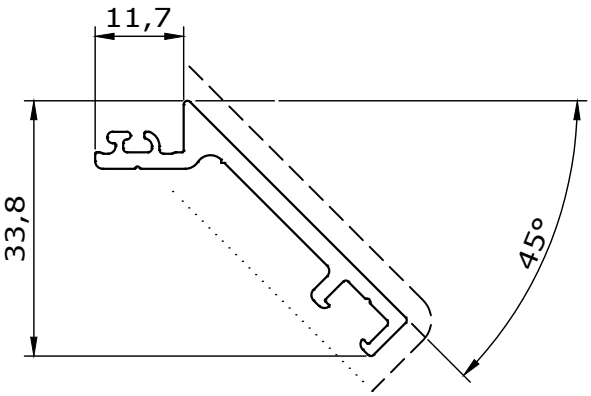
1339 - Glazing adaptor - 37.5° (internal corner)

Perimeter = 121 mm
Length = 6.45 m

Visible Surface – – – – – –
Secondary Surface . . . . . .



1344 - Glazing adaptor - 45° (internal corner)



Perimeter = 149 mm
Length = 6.45 m

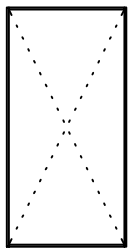
Visible Surface – – – – – –
Secondary Surface . . . . . .

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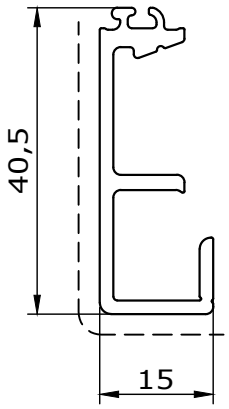


1.88

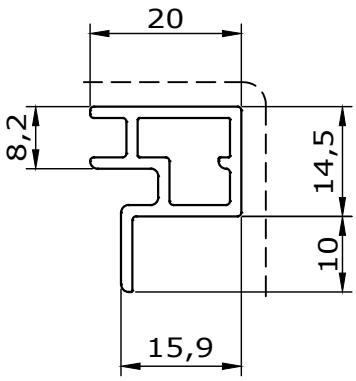
1345 - 42mm glazing pocket closer

Perimeter = 104 mm
Length = 6.45 m

Visible Surface – – – – – –



1346 - Composite panel frame



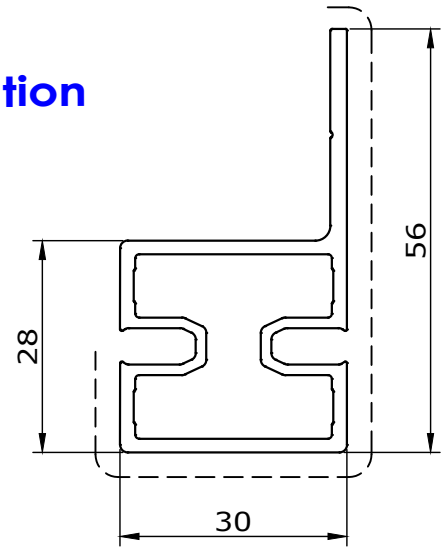
Perimeter = 104 mm
Length = 6.45 m

Visible Surface – – – – – –

1348 - Wall connection

Perimeter = 208 mm
Length = 6.45 m

Visible Surface – – – – – –



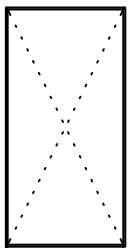
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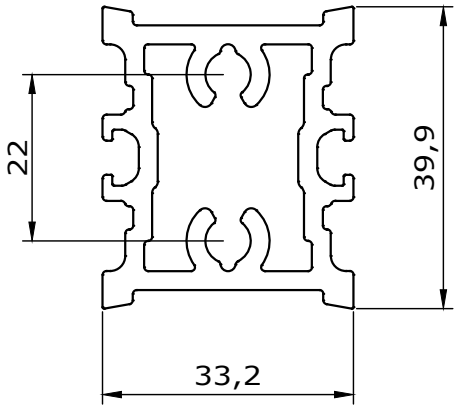
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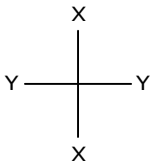


1.89

1366 - Mullion sleeve - 40.3mm



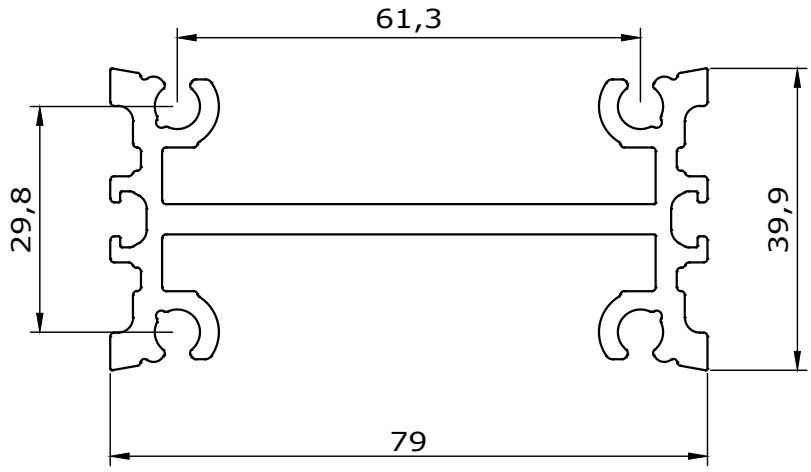
I_{xx} = 5.6 cm^4
I_{yy} = 8.2 cm^4
Z_{xx} = 3.3 cm^3
Z_{yy} = 4.1 cm^3



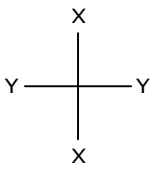
Perimeter = 200 mm
Length = 6.45 m

Visible Surface – – – – – –

1368 - Mullion sleeve - 85.3mm



I_{xx} = 61.7 cm^4
I_{yy} = 7.3 cm^4
Z_{xx} = 15.6 cm^3
Z_{yy} = 3.7 cm^3



Perimeter = 458 mm
Length = 6.45 m

Visible Surface – – – – – –

Profiles Identification

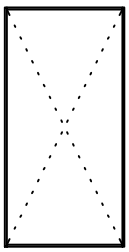
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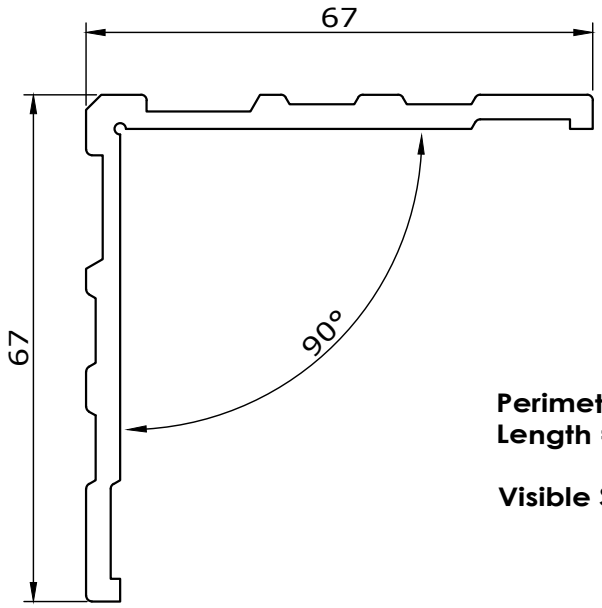
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1.90

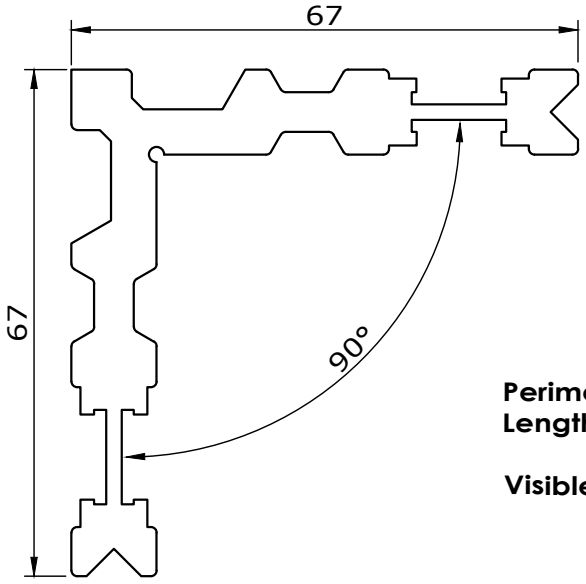
1431 - Corner cleat - 4.5 mm



Perimeter = xxx mm
Length = 6.45 m

Visible Surface – – – – – –

1435 - Corner cleat - 11.8 mm



Perimeter = xxx mm
Length = 6.45 m

Visible Surface – – – – – –

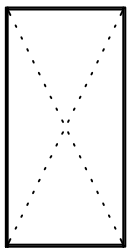
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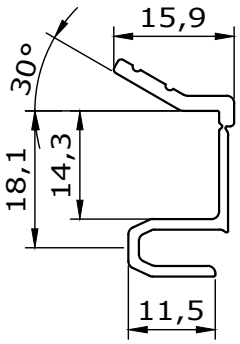
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1.91



1387 - Double glazed spacer bar insert (14mm)

Perimeter = 155 mm
Length = 6.45 m

Visible Surface – – – – – –

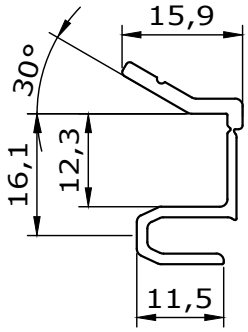
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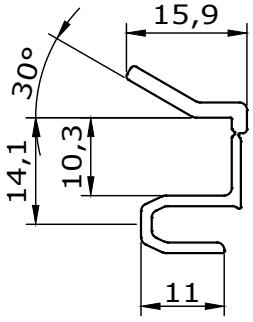
1388 - Double glazed spacer bar insert (12mm)

Perimeter = 167 mm
Length = 6.45 m

Visible Surface – – – – – –



1389 - Double glazed spacer bar insert (10mm)



Perimeter = 112 mm
Length = 6.45 m

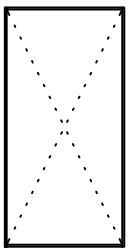
Visible Surface – – – – – –

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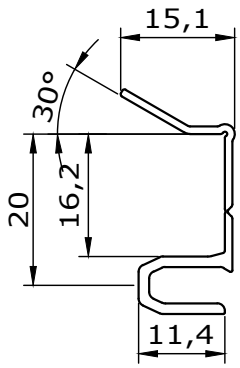
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1316 - Double glazed spacer bar insert (16mm)

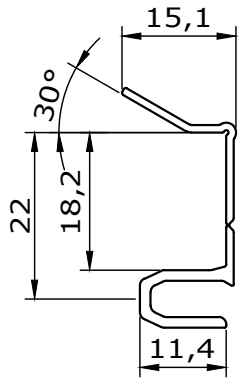


Perimeter = 121 mm
Length = 6.45 m

Visible Surface – – – – – –

1.92

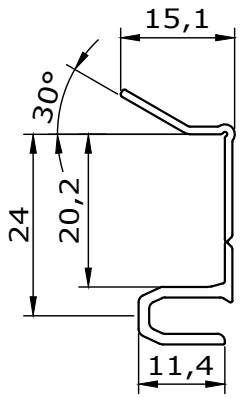
1318 - Double glazed spacer bar insert (18mm)



Perimeter = 125 mm
Length = 6.45 m

Visible Surface – – – – – –

1390 - Double glazed spacer bar insert (20mm)



Perimeter = 129 mm
Length = 6.45 m

Visible Surface – – – – – –

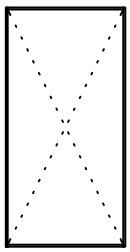
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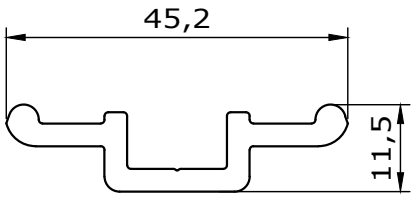
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1425 - Direct fix to steel fixing lug

1.93



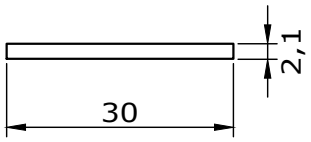
Perimeter = 125 mm
Length = 6.45 m

Visible Surface – – – – – –

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1230 - Flat bar - 30mm x 2mm



Perimeter = 64 mm
Length = 6.45 m

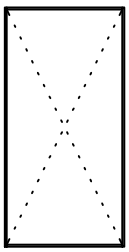
Visible Surface – – – – – –

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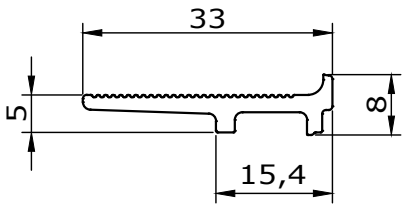
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1403 - Glass settling block - 5mm x 33mm

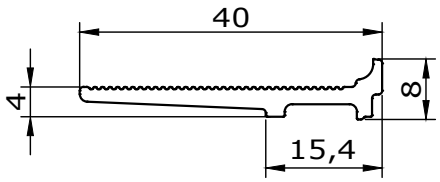


Perimeter = 89.3 mm
Length = 6.45 m

Visible Surface – – – – – –

1.94

1415 - Glass setting block - 4mm x 40 mm



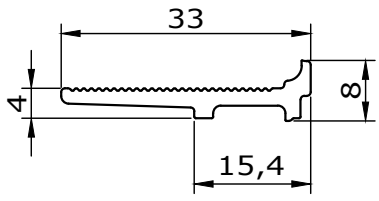
Perimeter = 104 mm
Length = 6.45 m

Visible Surface – – – – – –

1412 - Glass settling block - 4mm x 33mm

Perimeter = 87 mm
Length = 6.45 m

Visible Surface – – – – – –



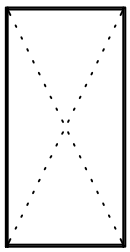
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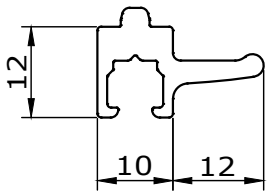
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1391 - Double glass clamp



Perimeter = 87 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _

1.95

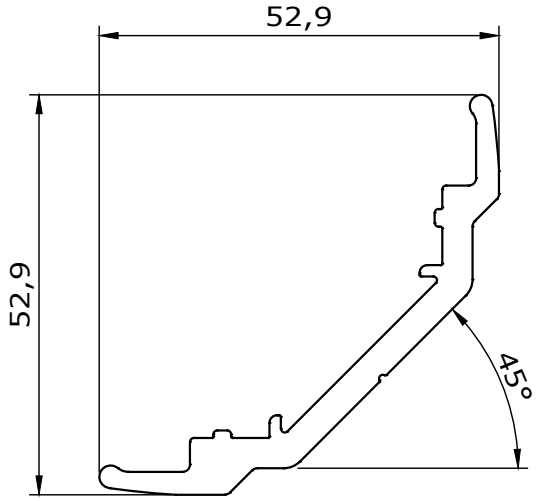
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1392 - 2sided SGH/4sided SG Corner double glazed clamp

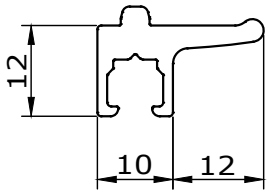
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Perimeter = 189 mm
Length = 6.45 m

Visible Surface _ _ _ _ _ _ _



1393 - Panel clamp



Perimeter = 88 mm
Length = 6.45 m

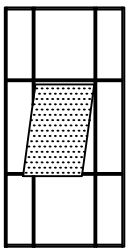
Visible Surface _ _ _ _ _ _ _

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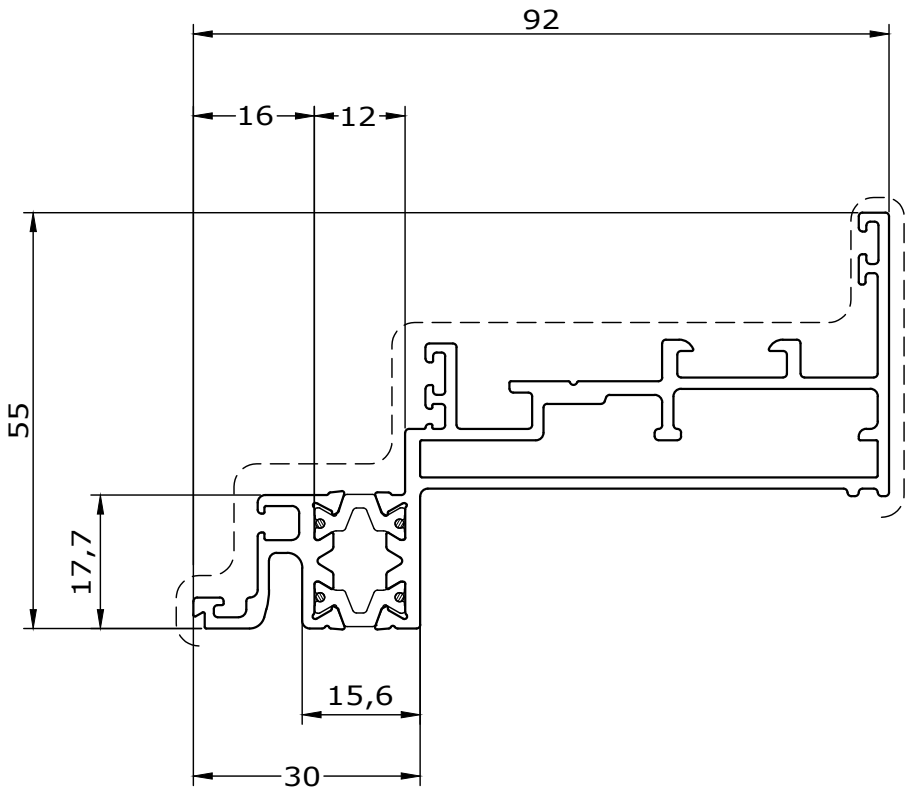
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4003 - Concealed vent outer frame

1.96



Profiles Identification

Perimeter = 419.5 mm
Length = 6.45 m

Visible Surface – – – – – –

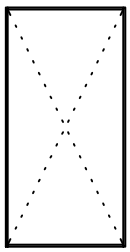
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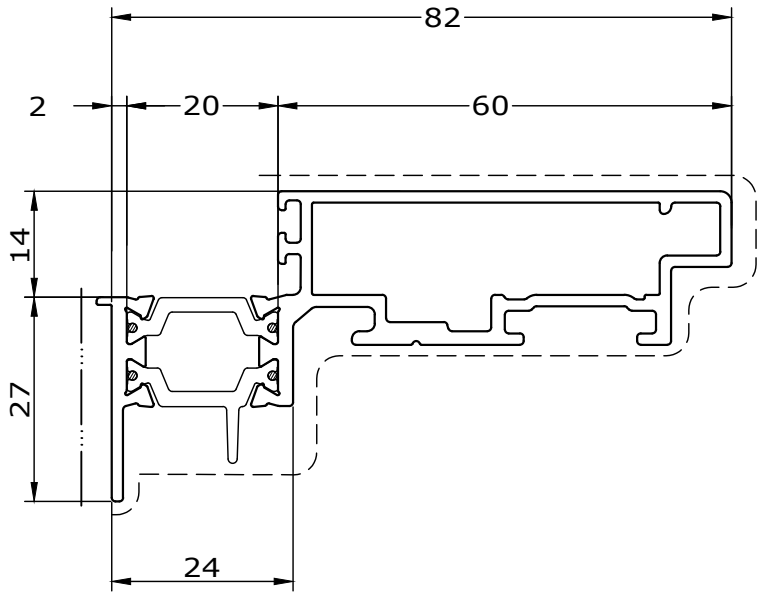
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4011 - Concealed vent inner frame

1.97

Profiles Identification



Perimeter = 320 mm
Length = 6.45 m

Visible Surface – – – – – –
Bonding Surface ——···——

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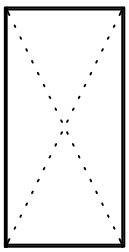
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Future Additions



1.98

FUTURE ADDITION

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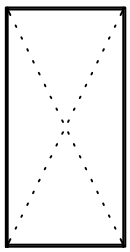
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Standard Profiles

1

Comar 6EFT

Future Additions



1.99

Profiles Identification

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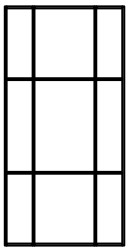
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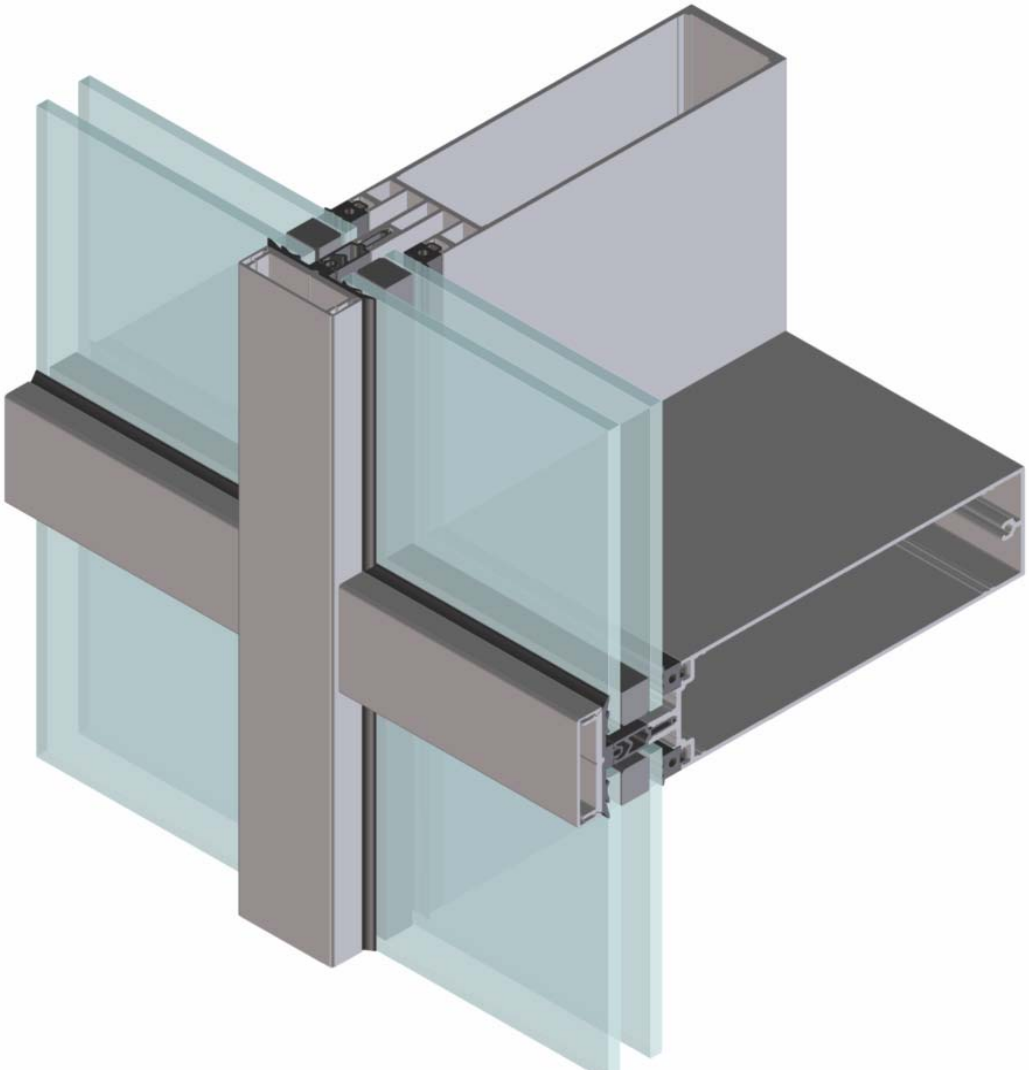
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2 Typical details

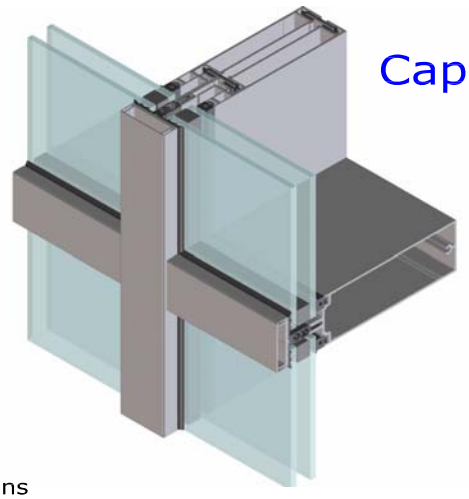
Comar 6EFT



Capped



Capped Split Mullion



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Introduction
Comar 6EFT Curtain Wall

Comar 6EFT Capped Curtain Wall System enables the construction of attractive curtain walling, with the benefits of slim sightlines.

This thermally insulated system consists of standard 50mm profiles, bespoke profiles are available upon request.

Specification Summary

Comar 6EFT Curtain Walling is a mullion drained, thermally broken curtain wall system, which consists of 50mm mullions and transoms suitable for facades.

Various cover caps are available for this system. The smallest sightline can be achieved using a 50 mm wide double chamfered cap to provide a visible front face of 16mm.

Cover caps should have a typical edge radius of 1.5mm for an even distribution of the powder coated layer.

Glazing
The system is externally glazed. Glazing should conform to the requirements of BS 6262 for thickness, type, wind resistance, safety and security.

Drainage
The system is mullion drained, achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262.

Thermal Insulation
Class 2.1 in accordance with DIN 4108 (2.0-2.8 W/m^{2}K) or EN ISO 10077 - 1

The thermal transmittance (Uf) W/m^{2}K, is depending on the insulator strip, calculated as per EN ISO 10077 - 1.
Comparable with class 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Dependant on the glass specification, generally the curtain wall framing reduces the figure by 2dB (A).

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying to the requirements of BS 1474.
The thermal barrier system is achieved by means of PVC/PP extrusion.

Construction
Any instructions regarding the manufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made of EPDM conforming to BS 4255 Part 1

Performance / exposure category
The system will achieve the following criteria when manufactured, installed and glazed to EFT recommended procedures, in accordance with CWCT approved testing methods.

Classification

Air permeability:	BS EN 12152 - Class AE 750
Water tightness:	BS EN 12154 - Class RE 750
Wind resistance:	BS EN 13116 - 2400 Pa design - 3600 Pa safety

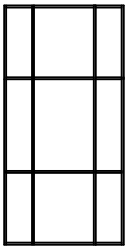
2400Pa (Pascal's) is dependant upon correct mullion and transom selection to suit span and spacing by project.

Size limitations
The size limitations of the system depends mainly on the mullion/transom members used to suit the span, spacing and wind/dead loads, which are specific for each individual project.
Please refer to Comar's Technical Office for advise.

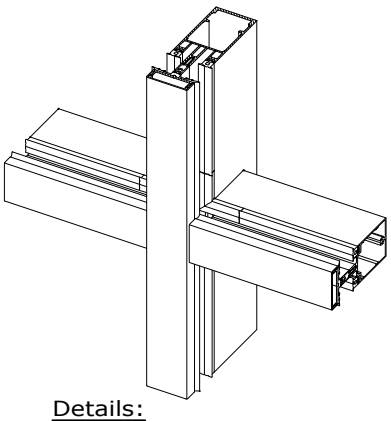
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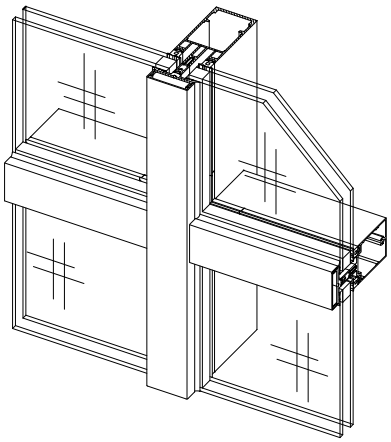
Typical details 2

Comar 6EFT



Exploded Typical Detail Fully Capped



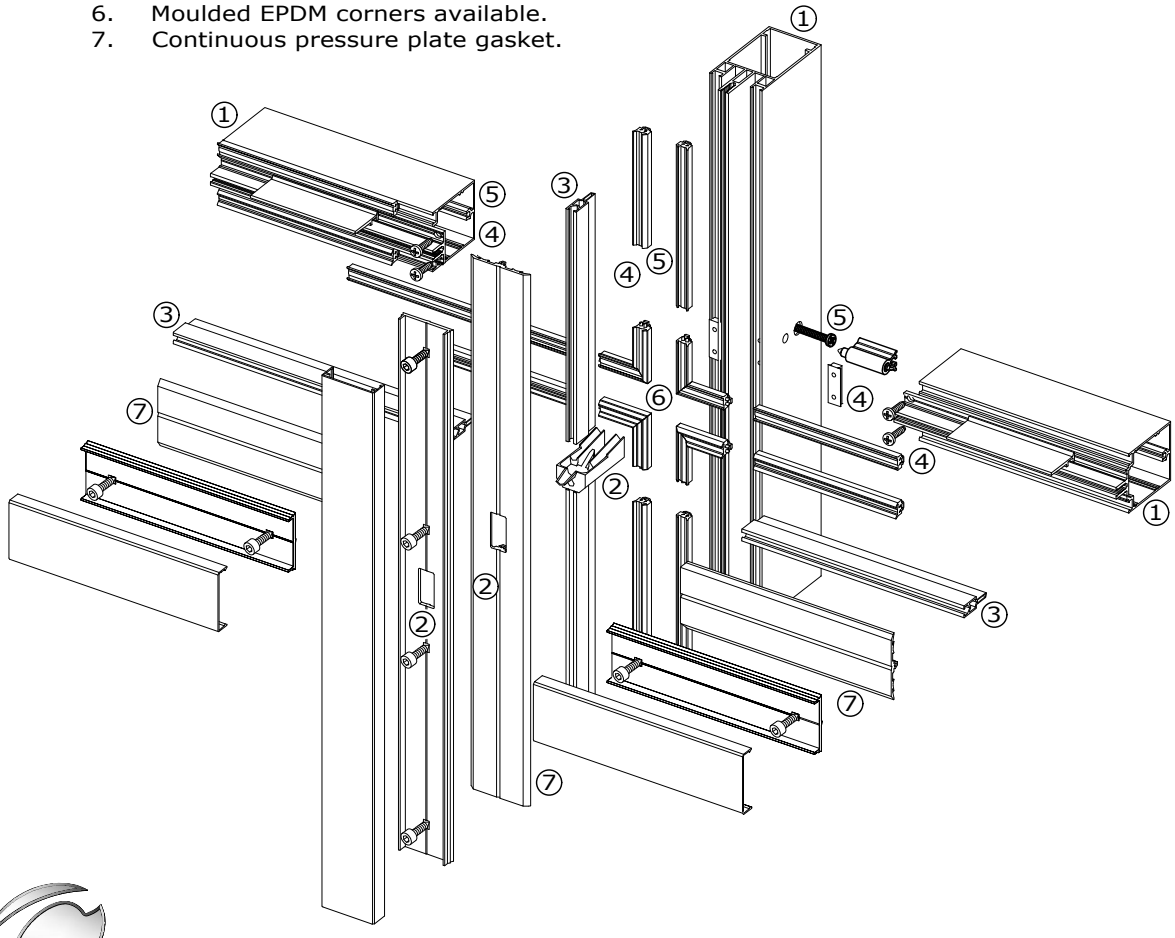


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Details:

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 moulding.
5. Ladder (unit) construction or stick build.
6. Moulded EPDM corners available.
7. Continuous pressure plate gasket.

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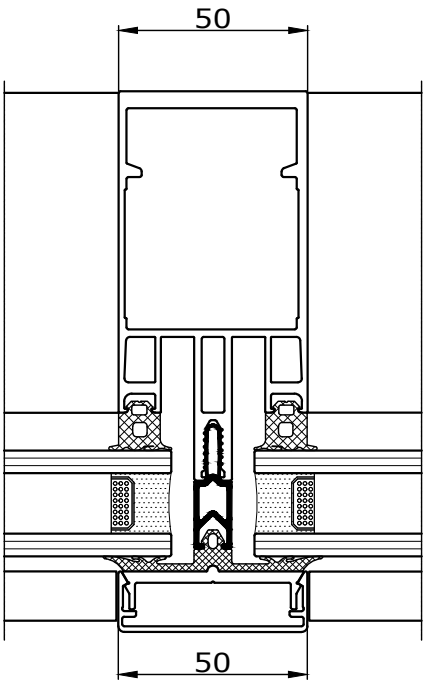
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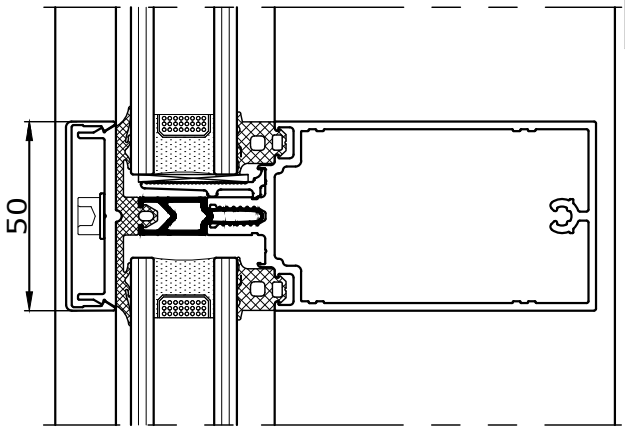
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Capped Curtain Walling

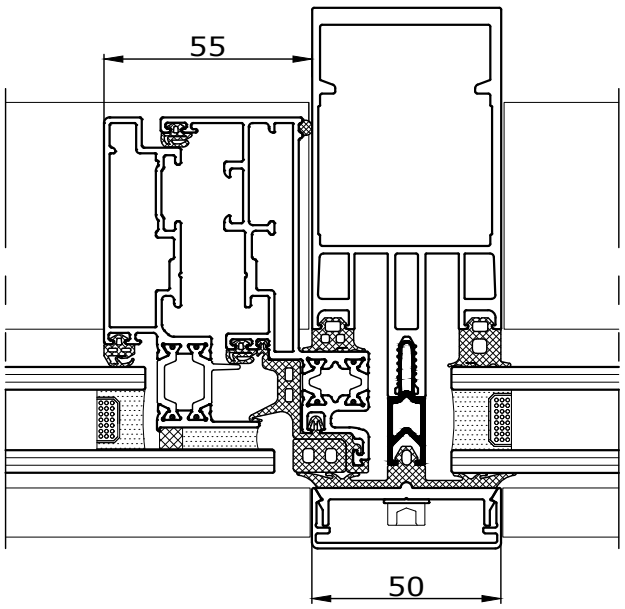
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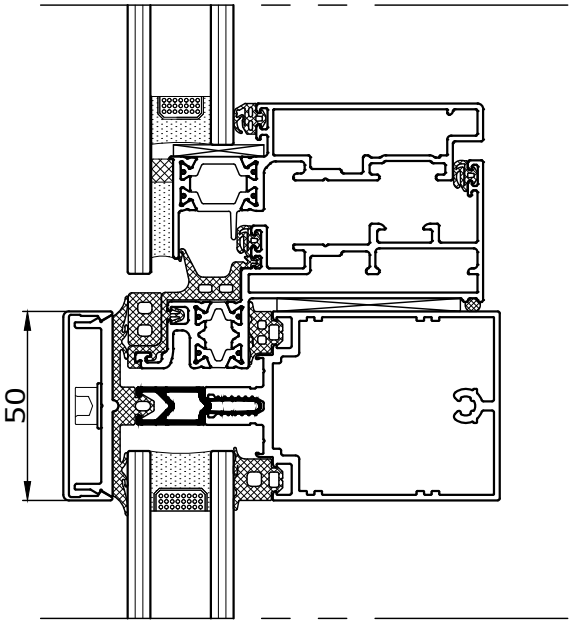




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Including Comar 6EFT Concealed Vent





For concealed vent details, refer to section 8

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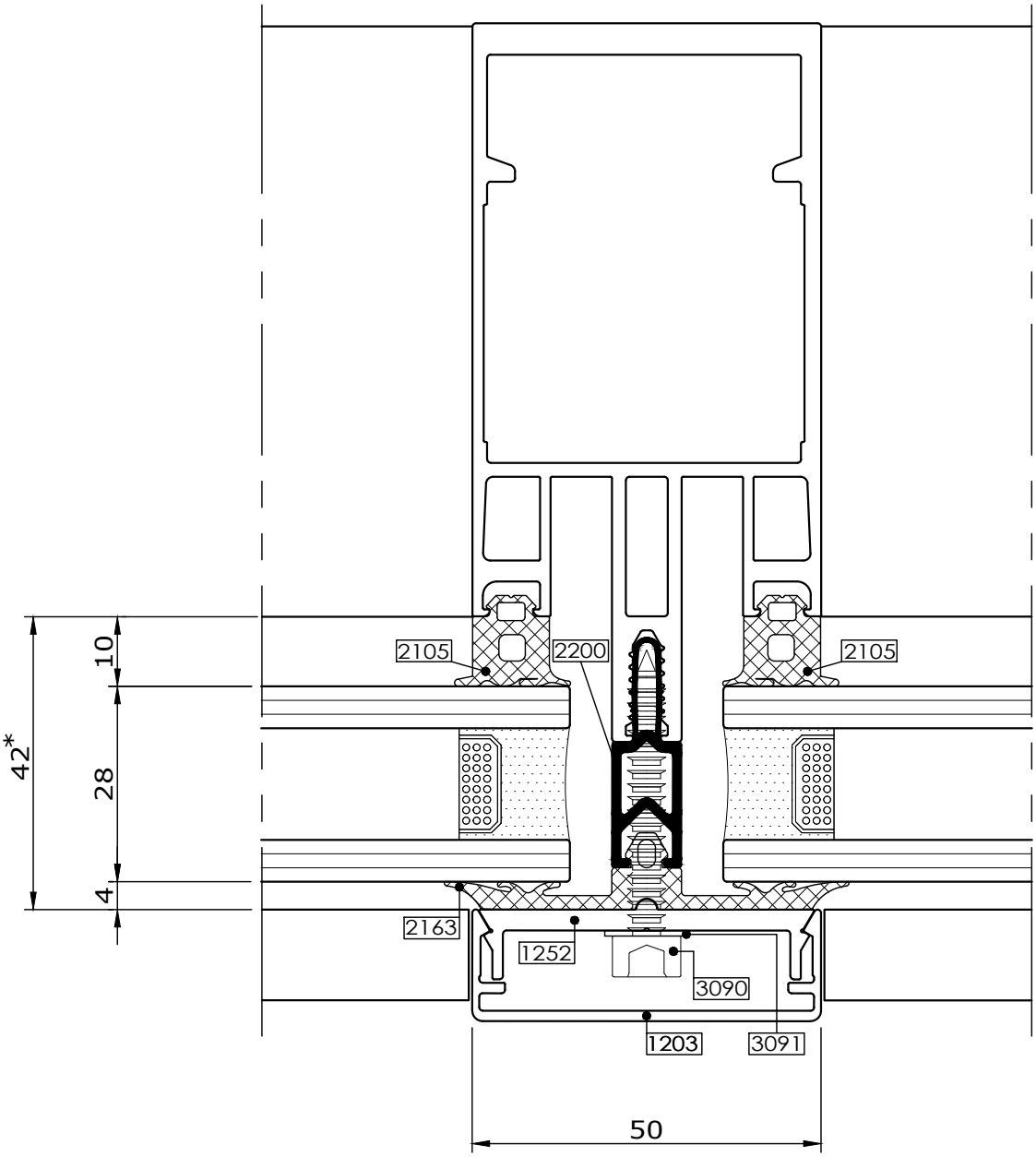
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Mullion detail
Double glazed

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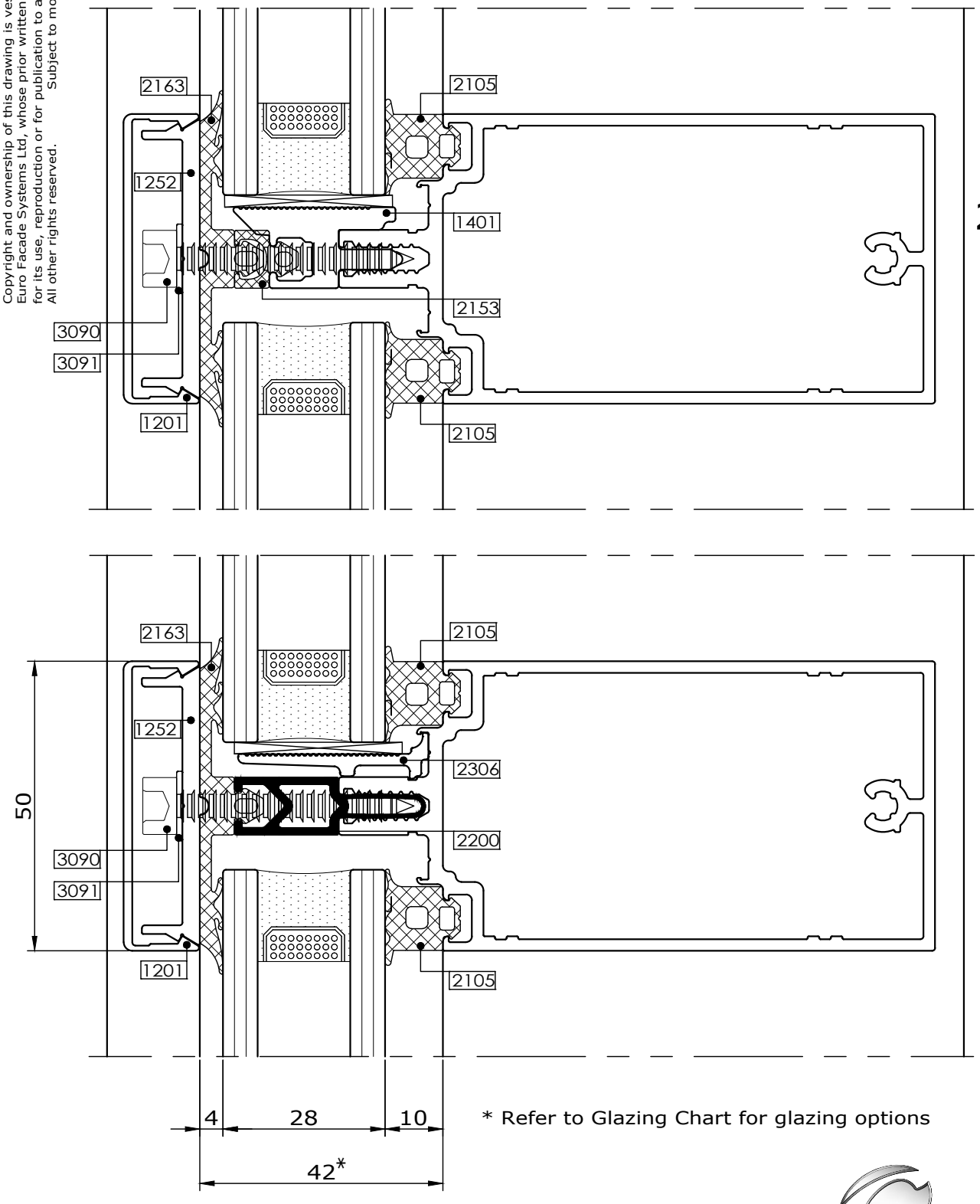
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Transom detail
Double glazed



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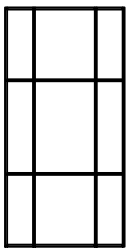
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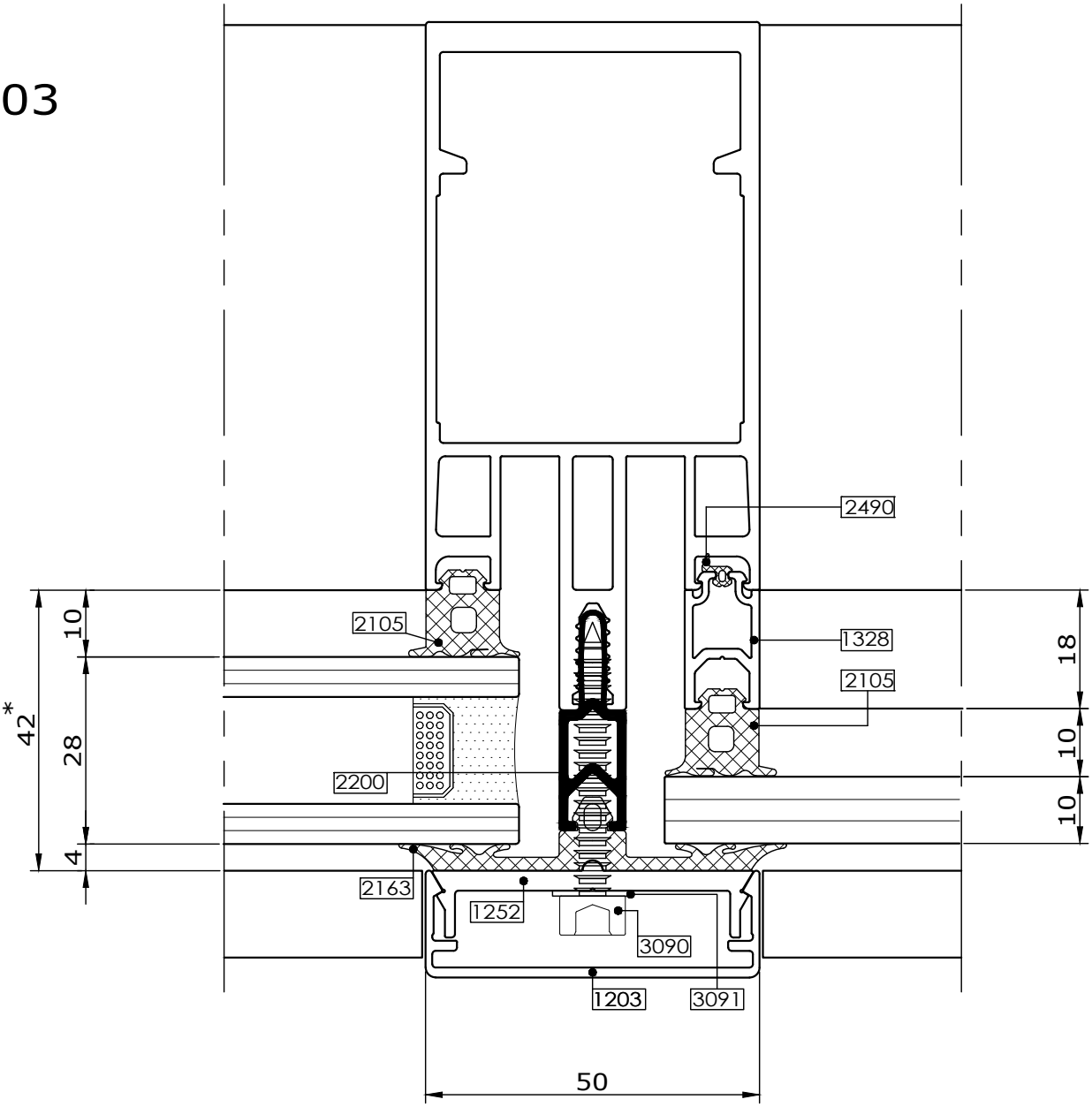
Mullion detail
Double to single glazed



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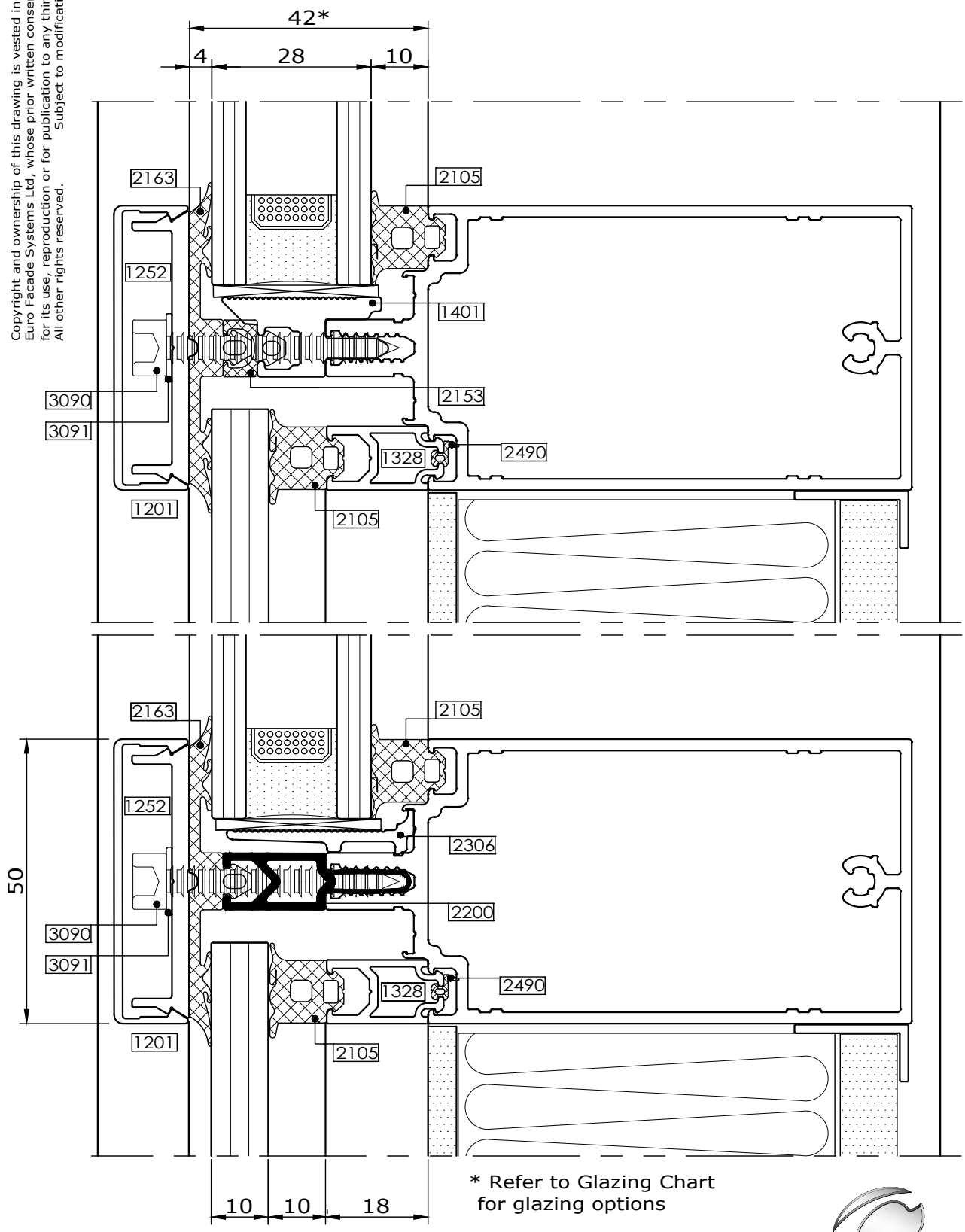
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Transom detail
Double to single glazed

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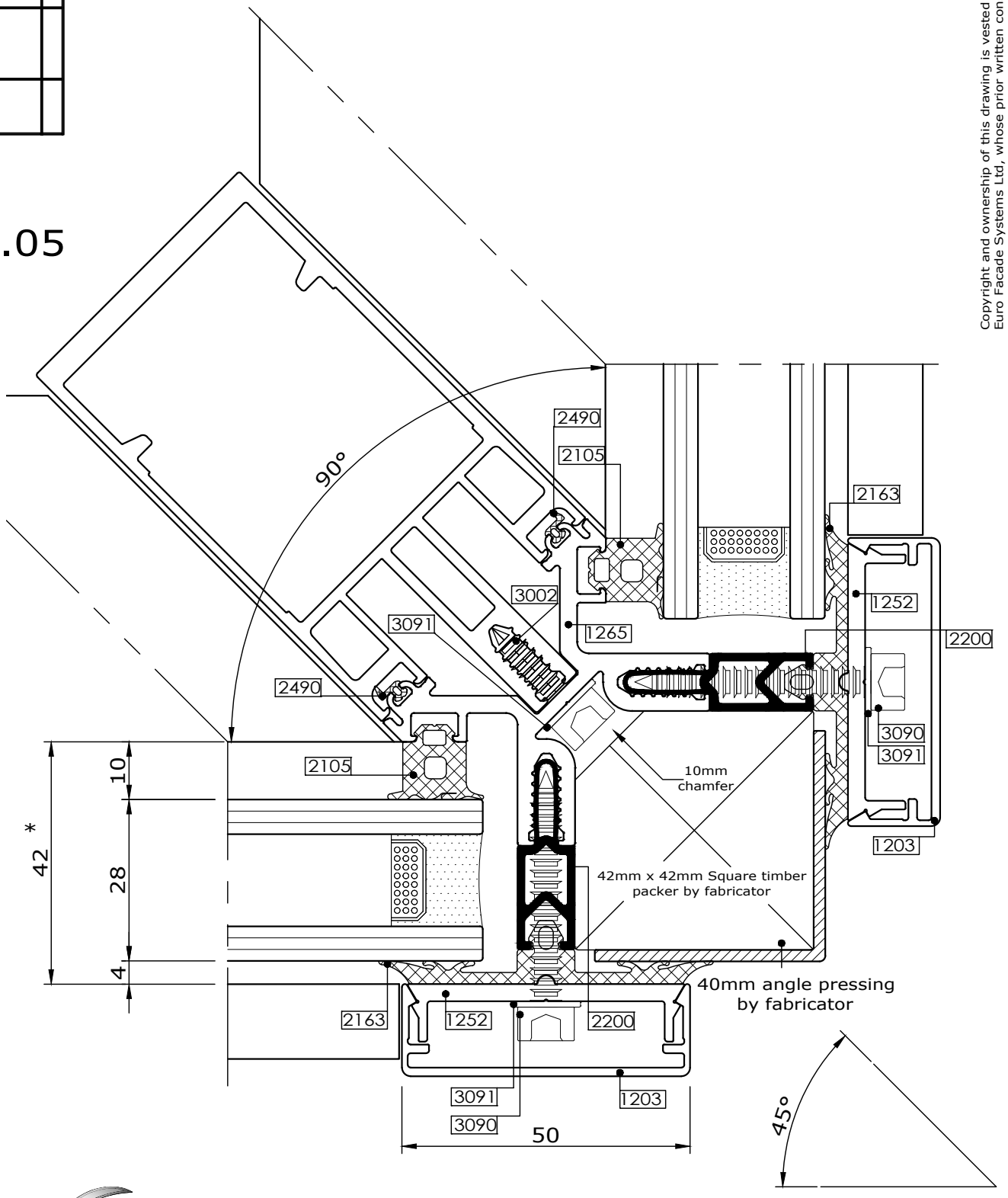
Typical details 2

Comar 6EFT

Mullion detail 45°corner

2.05

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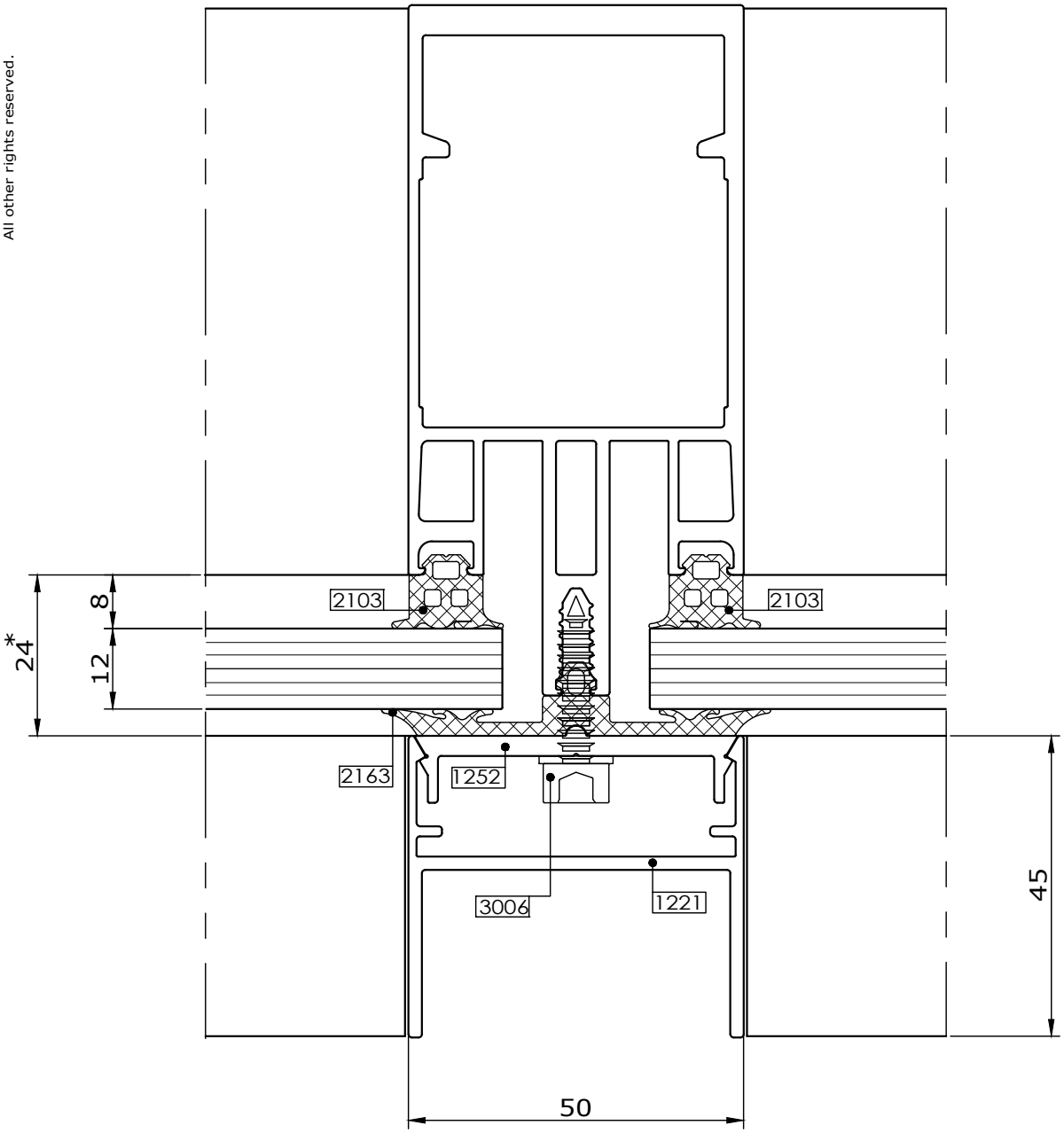
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Mullion detail
Single glazed



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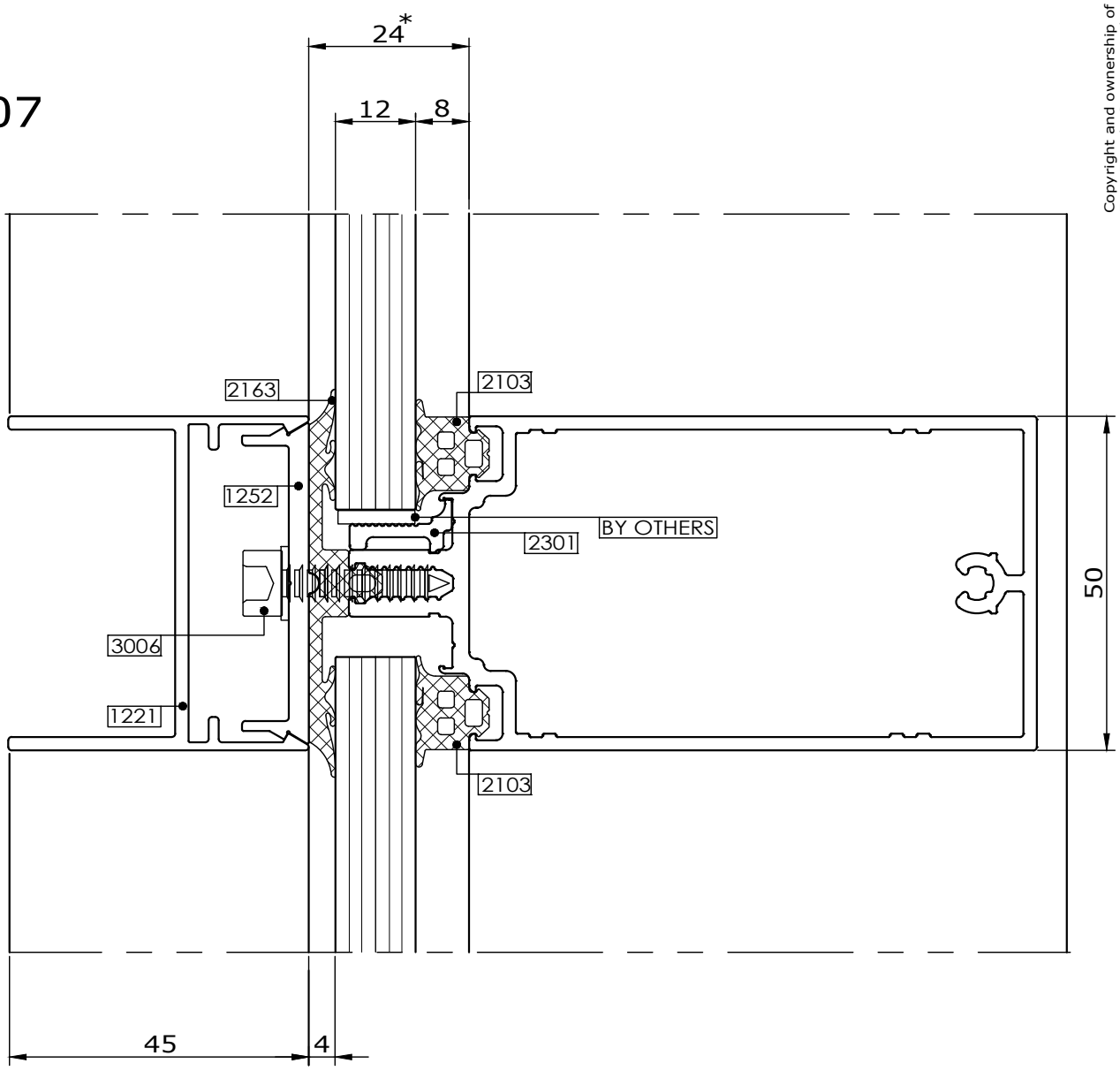
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Transom detail
Single glazed

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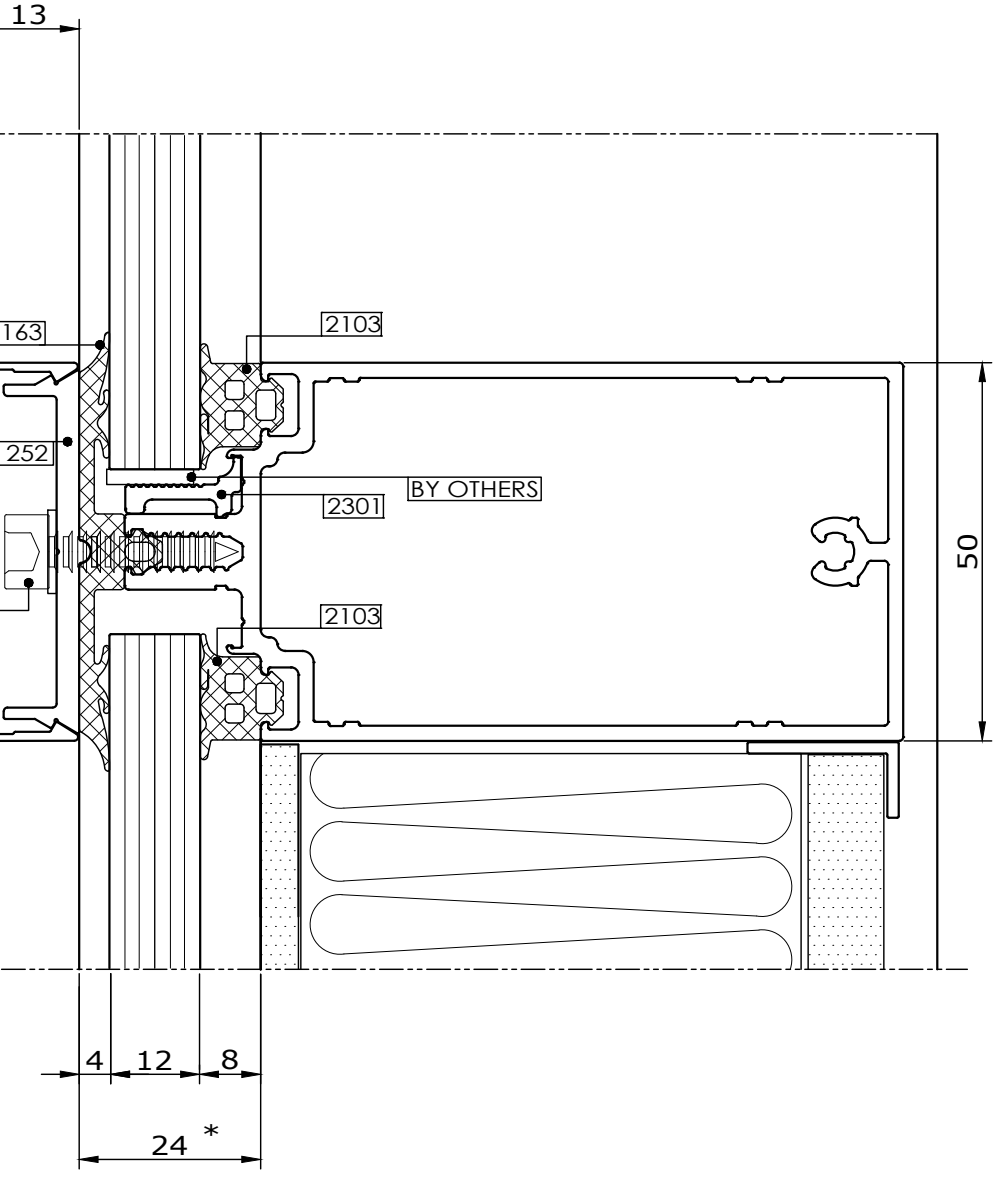
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Transom detail
Single glazed



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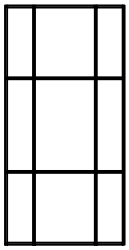
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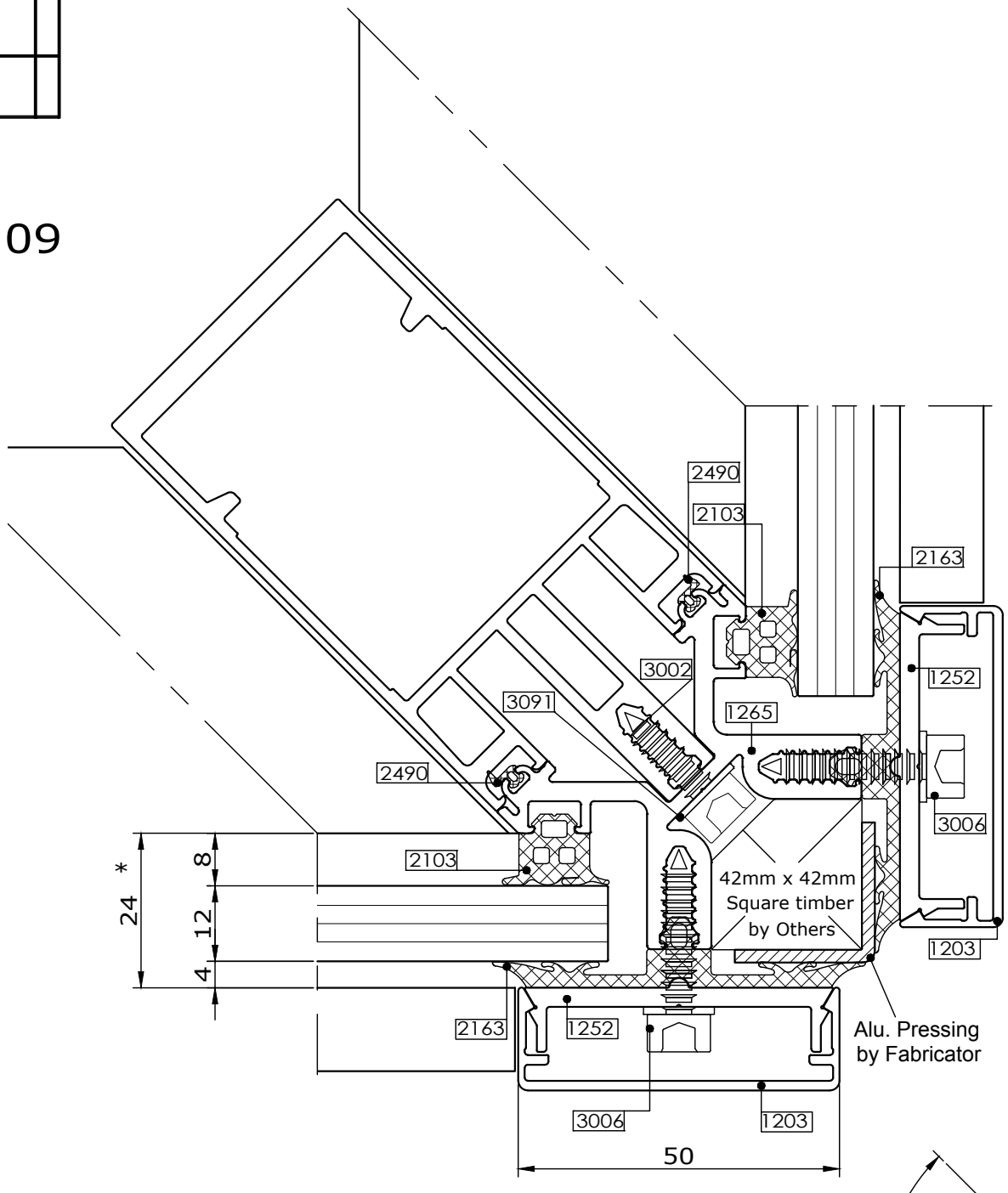
45° Mullion corner detail
Single glazed

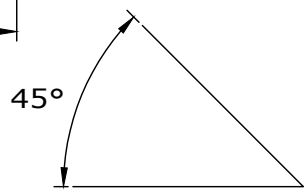


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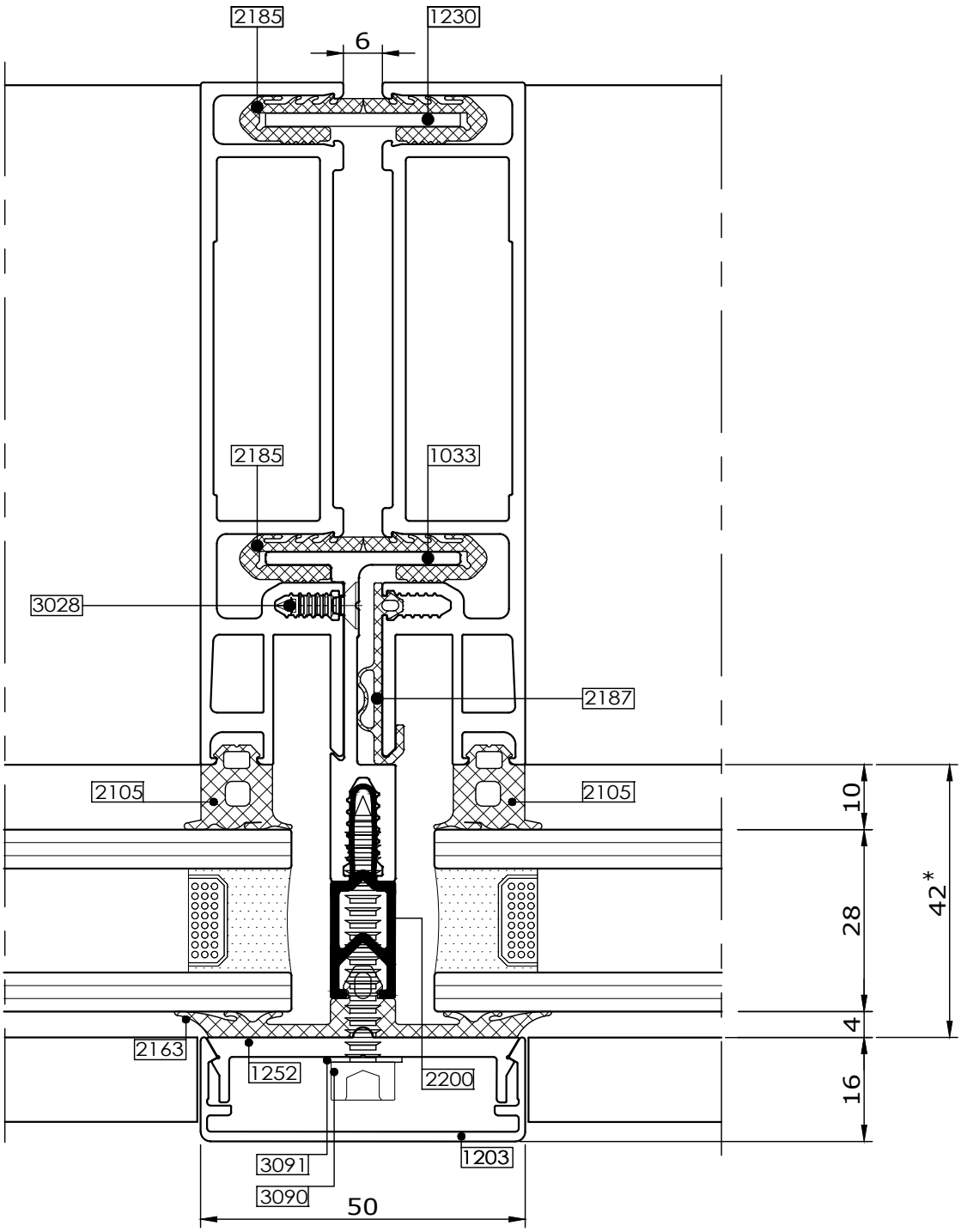
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Split mullion detail



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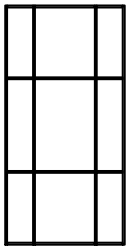
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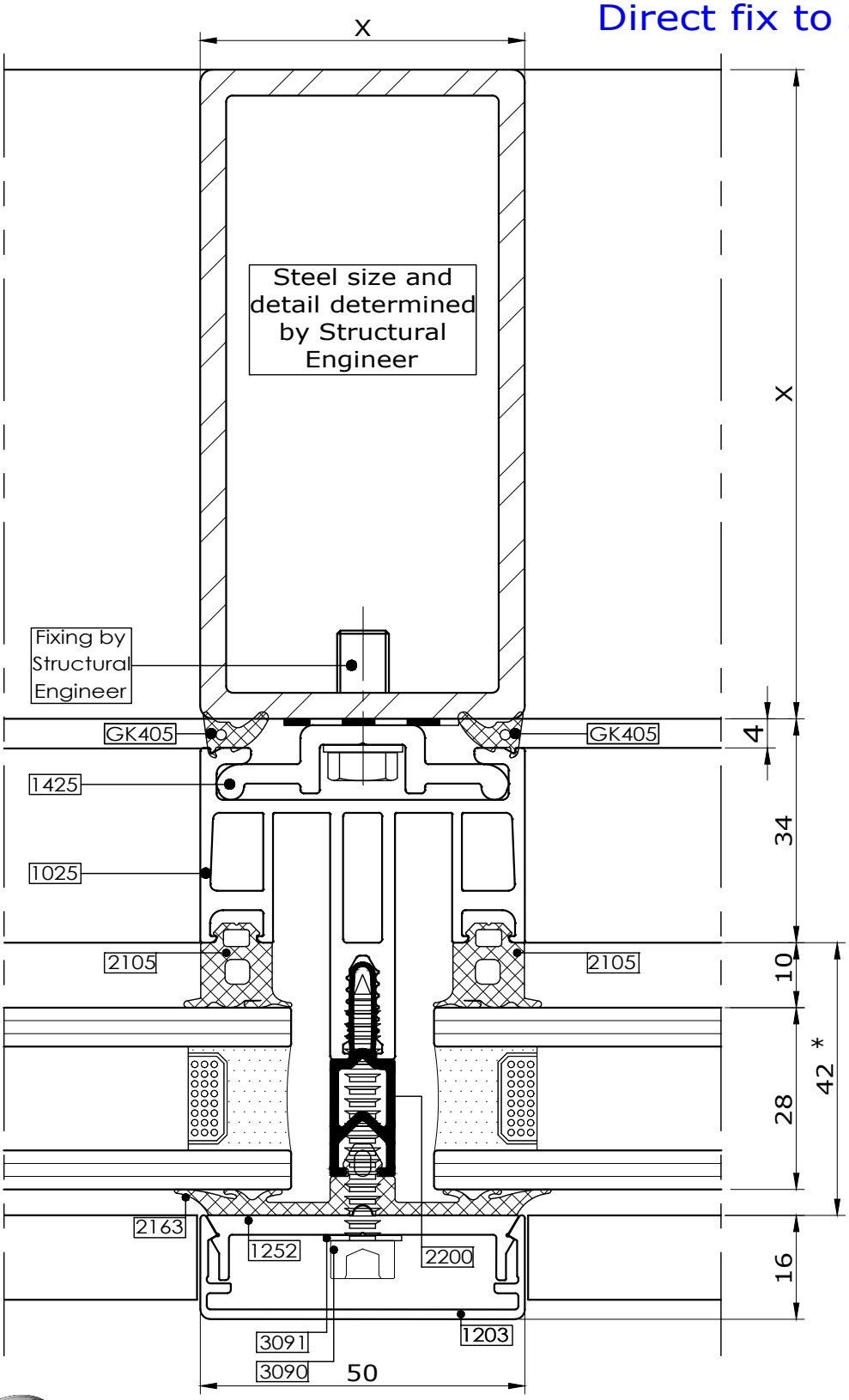
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Mullion detail
Direct fix to steel



2.11



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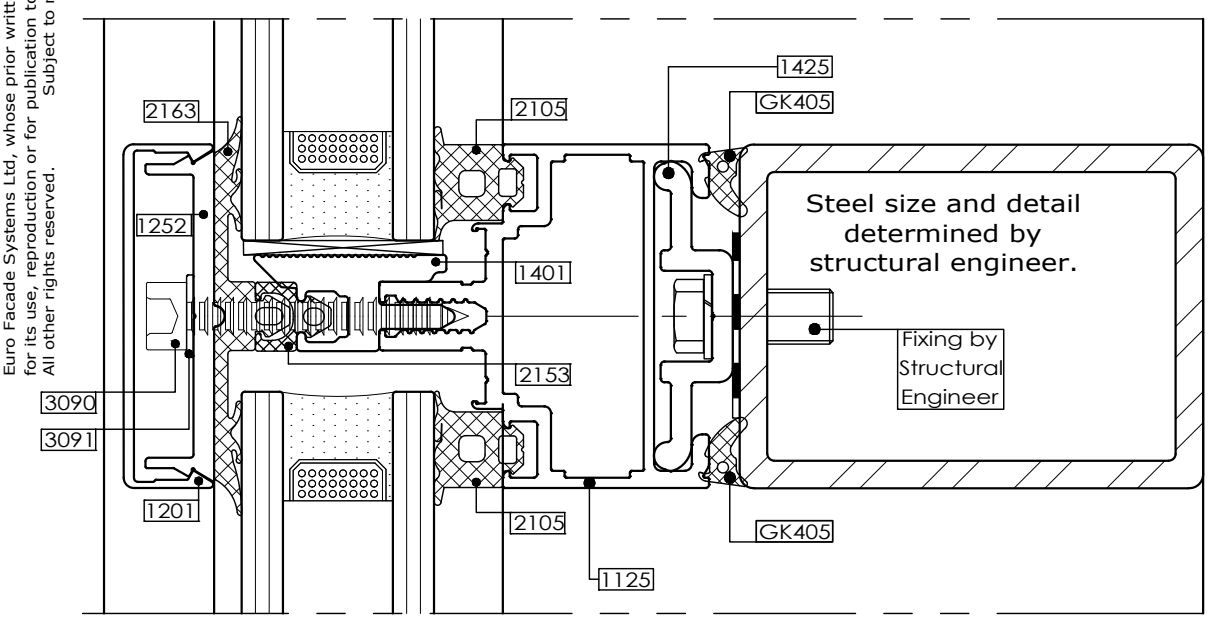
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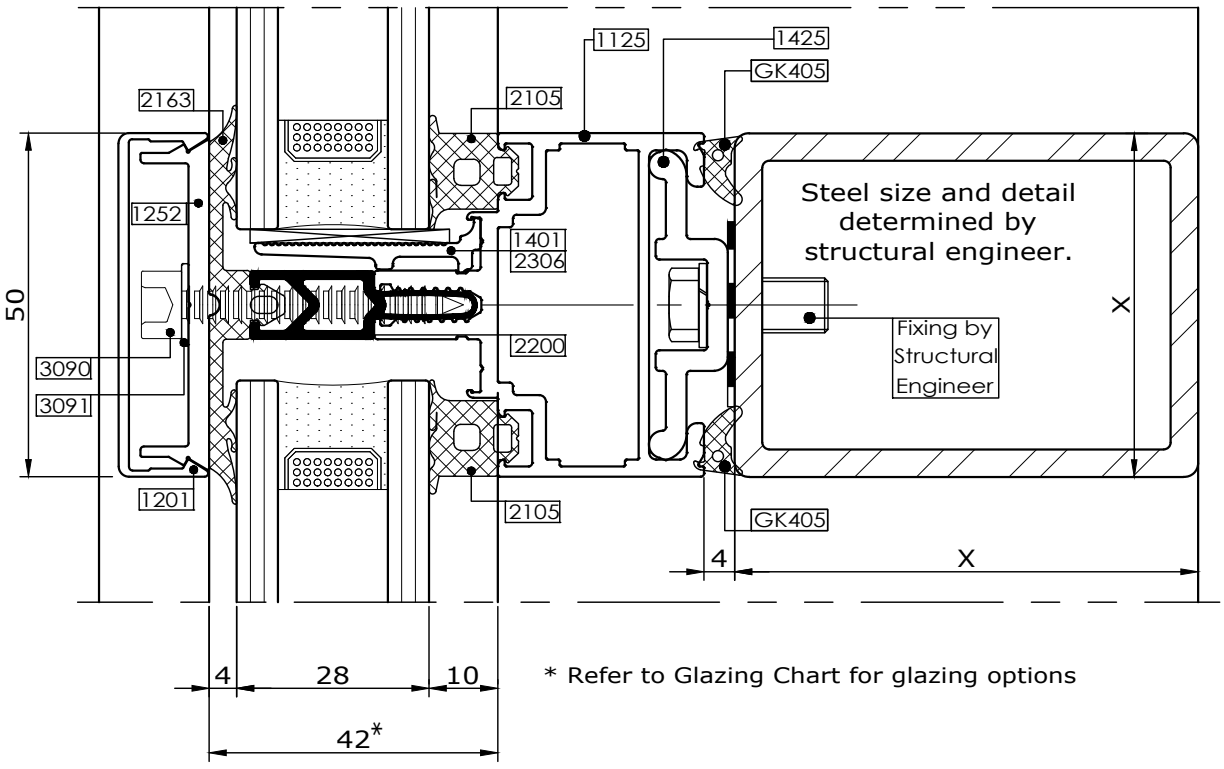
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Transom detail
Direct fix to steel





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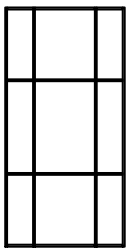
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Future addition



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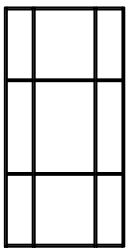
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Future addition



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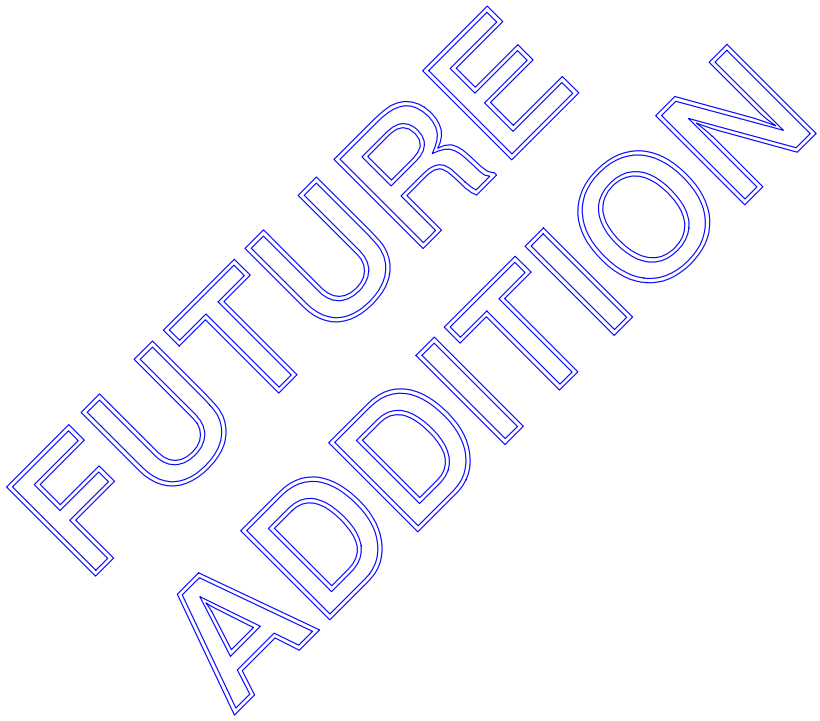
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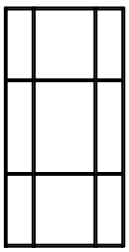
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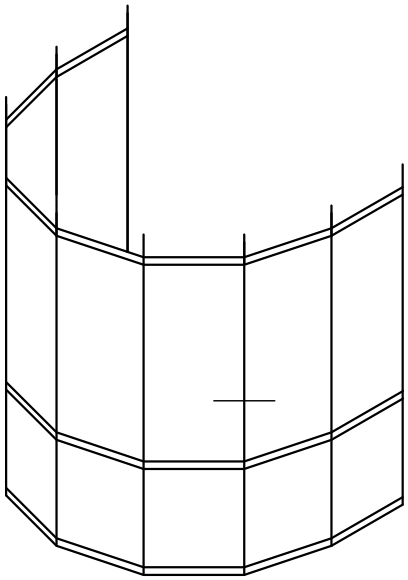
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Facetted Facades

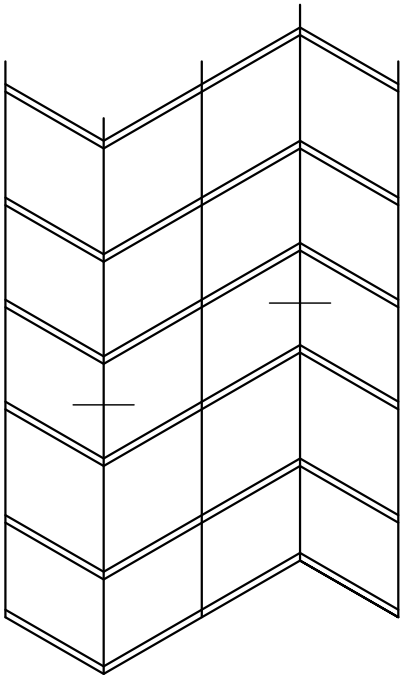
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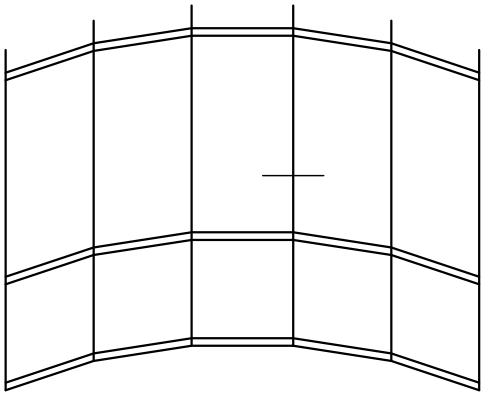
2.16



External corners



90° corners



Internal corners

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Typical details 2

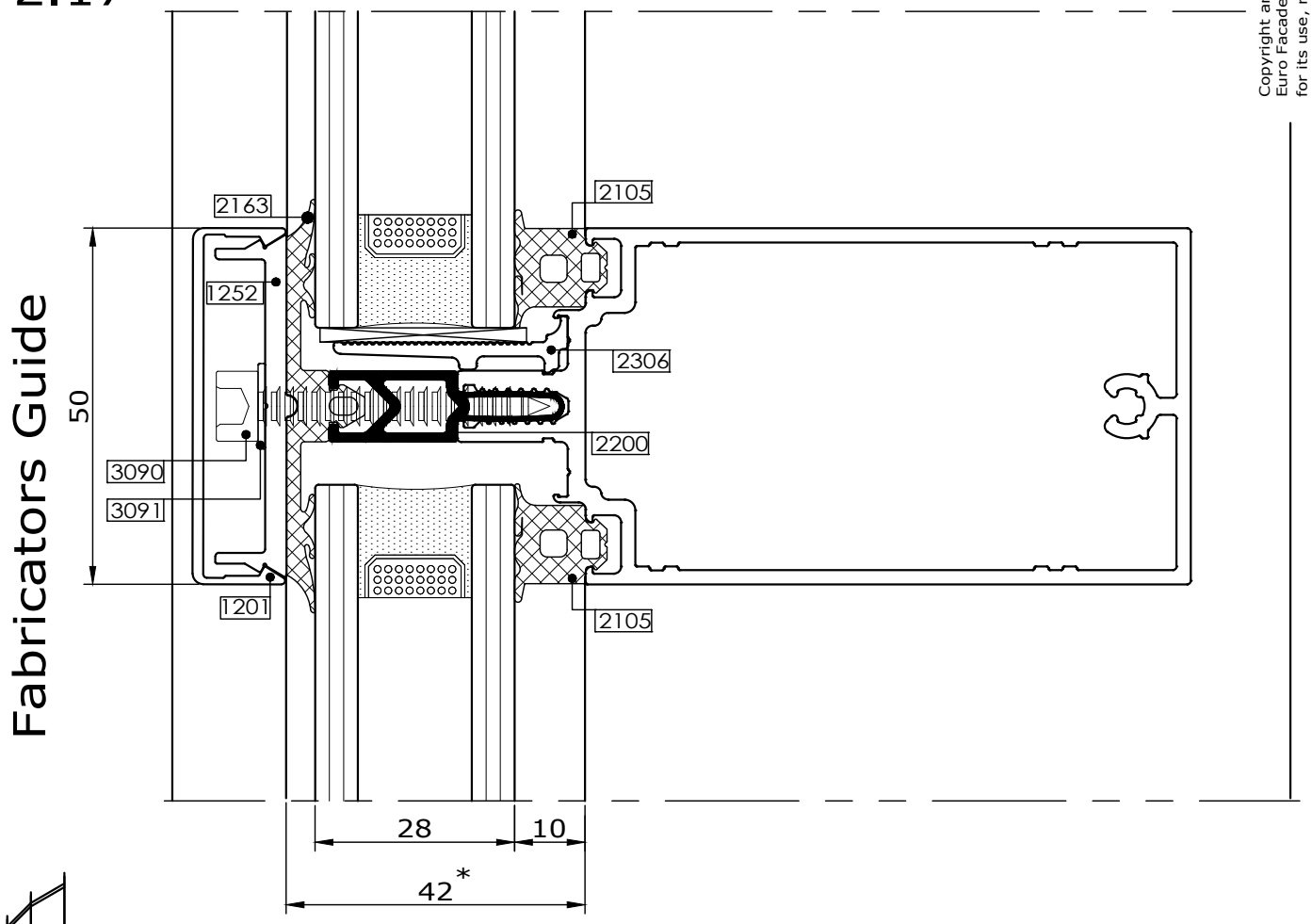
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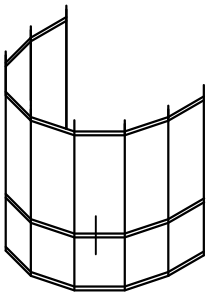
Transom detail
Facetted Facade

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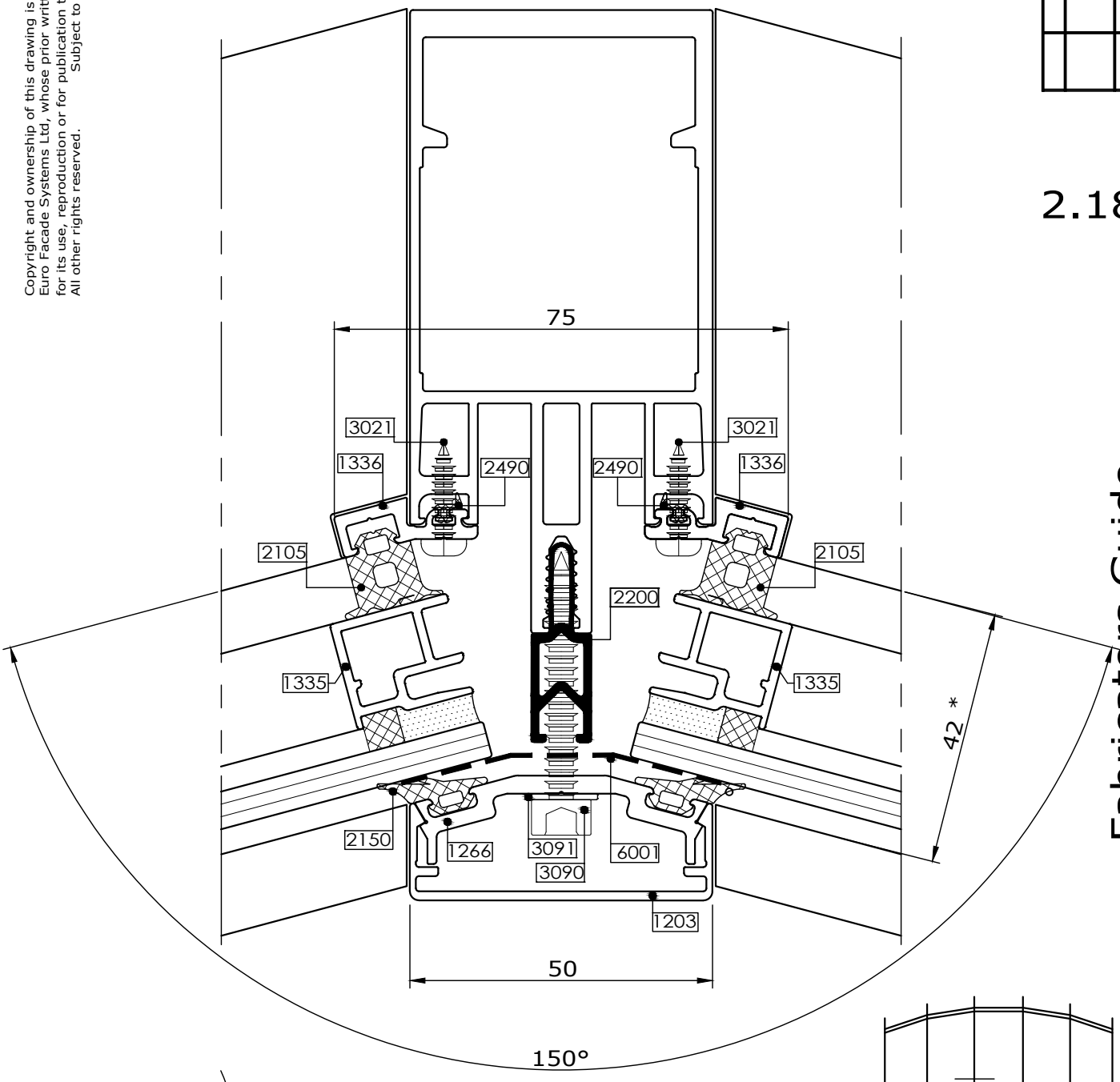
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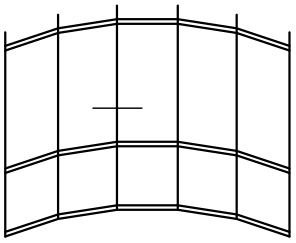
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Mullion detail
Facetted facade - Single glazed
15° nominal



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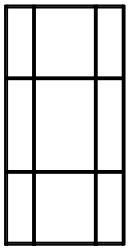
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Typical details 2

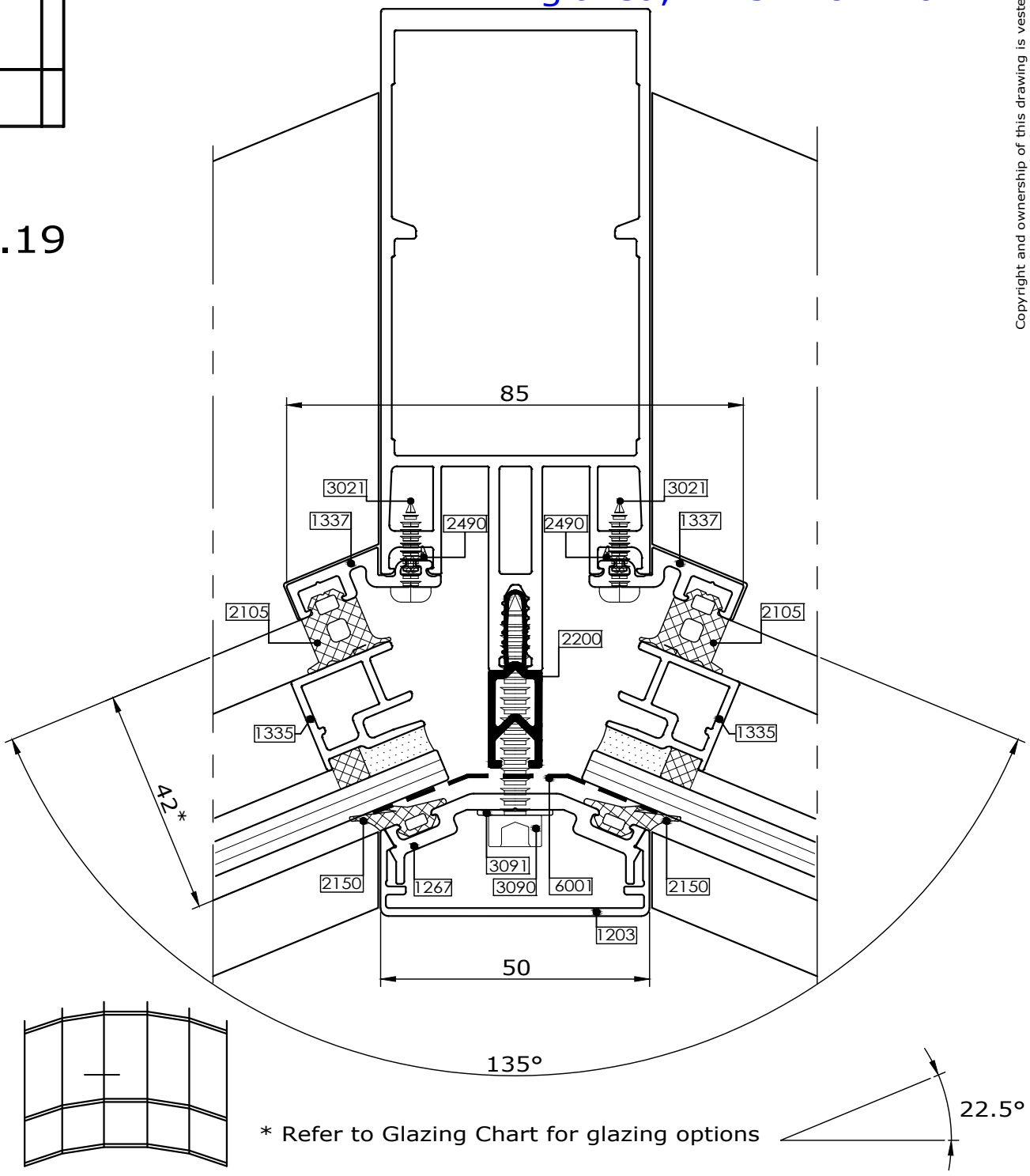
Comar 6EFT

Mullion detail
Facetted facade - Single glazed, 22.5° nominal



2.19

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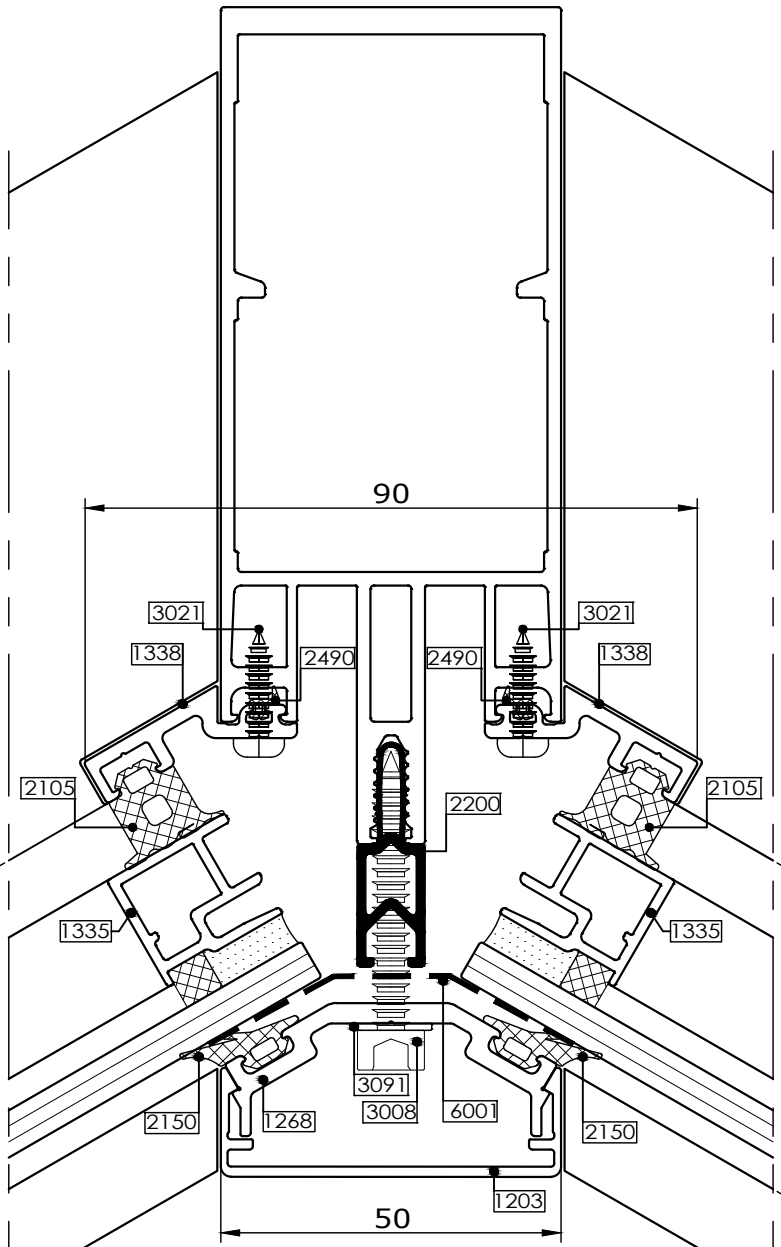
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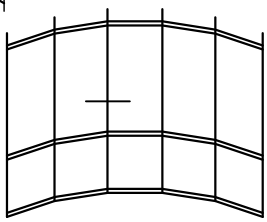
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Mullion detail
Facetted facade - Single glazed
30°nominal



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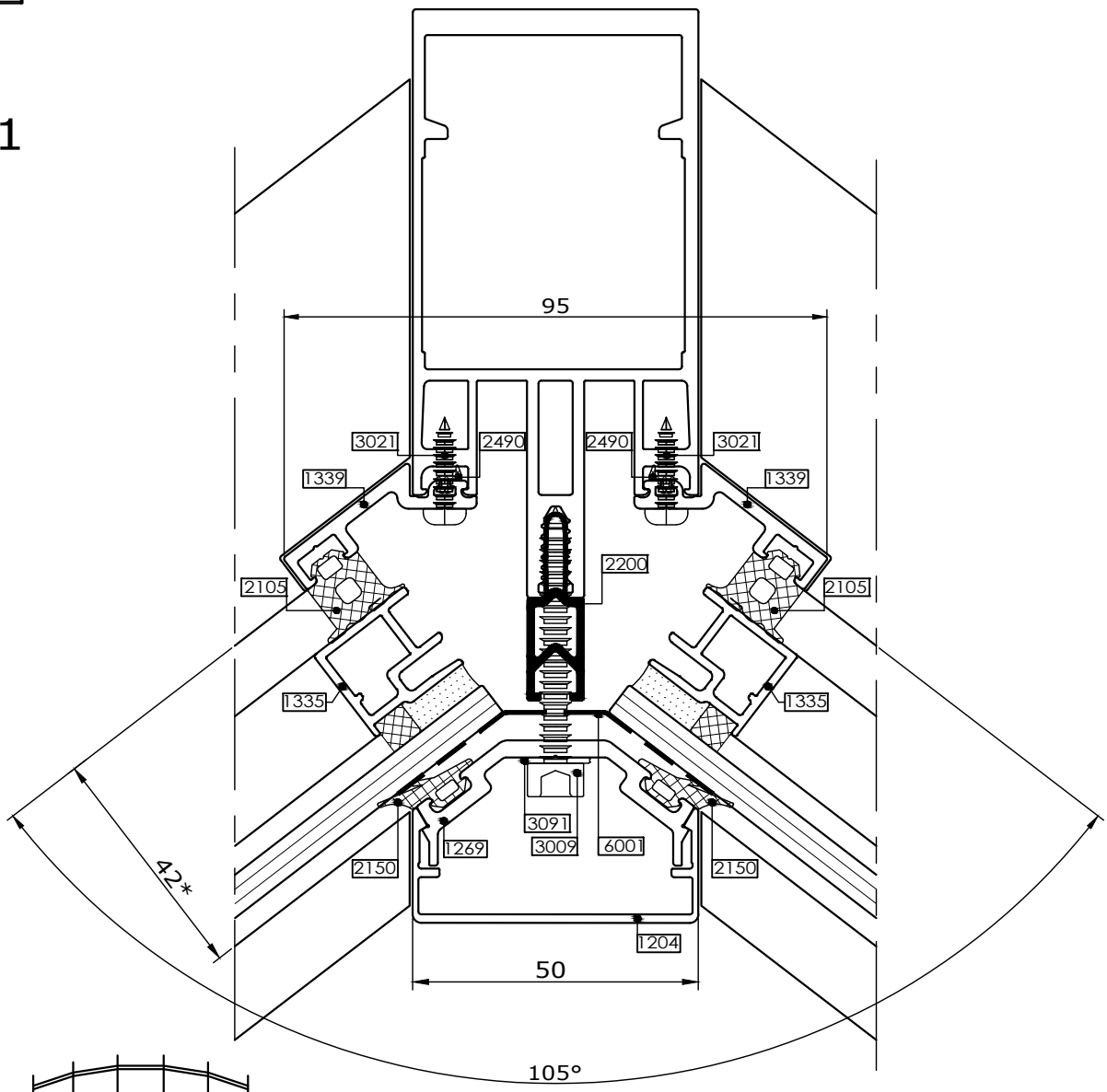
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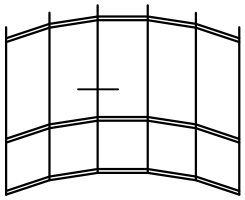
Mullion detail
Facetted facade - Single glazed, 37.5° nominal

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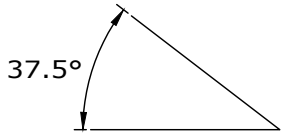
2.21

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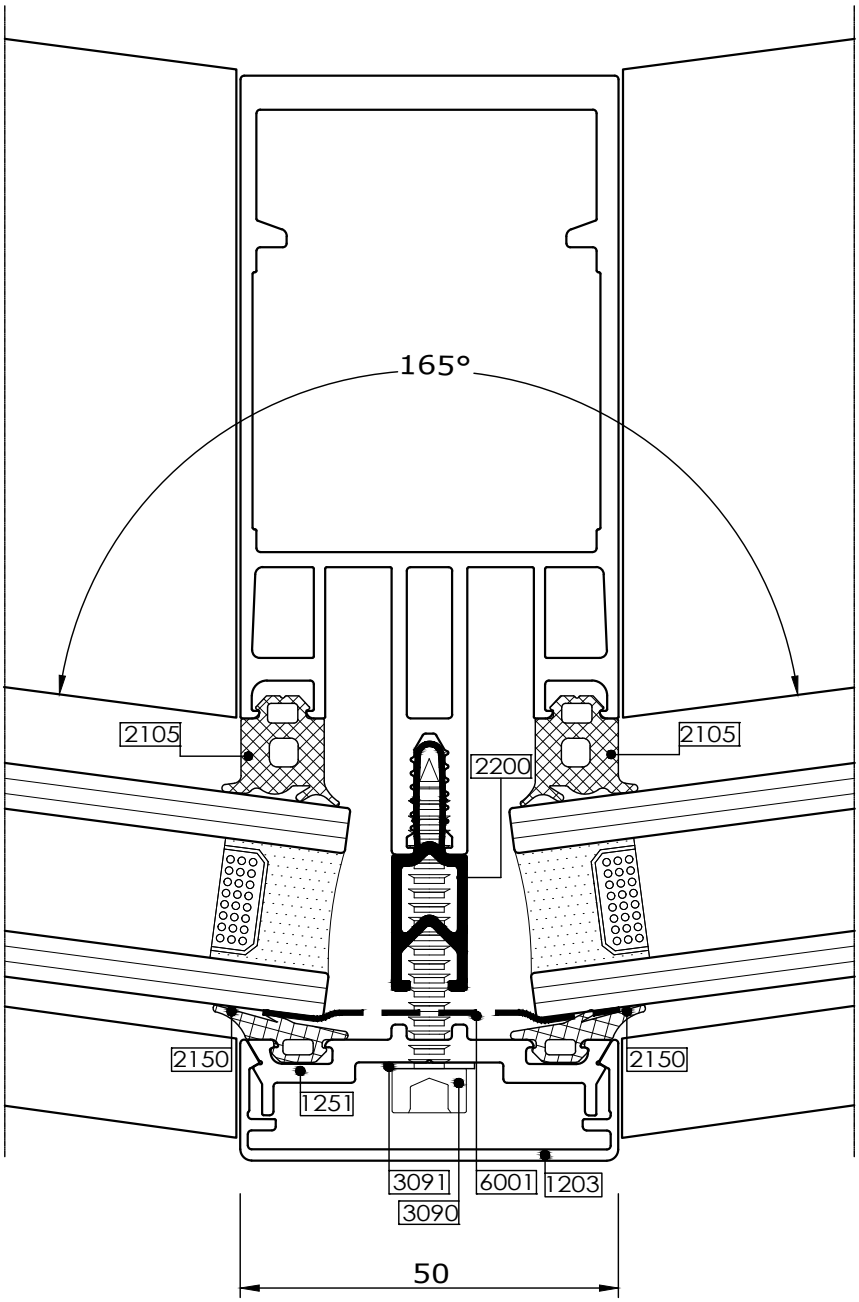
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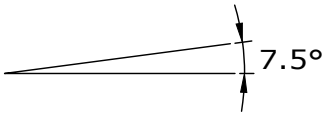
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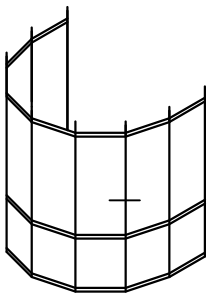
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Mullion detail
Facetted facade
7.5° nominal



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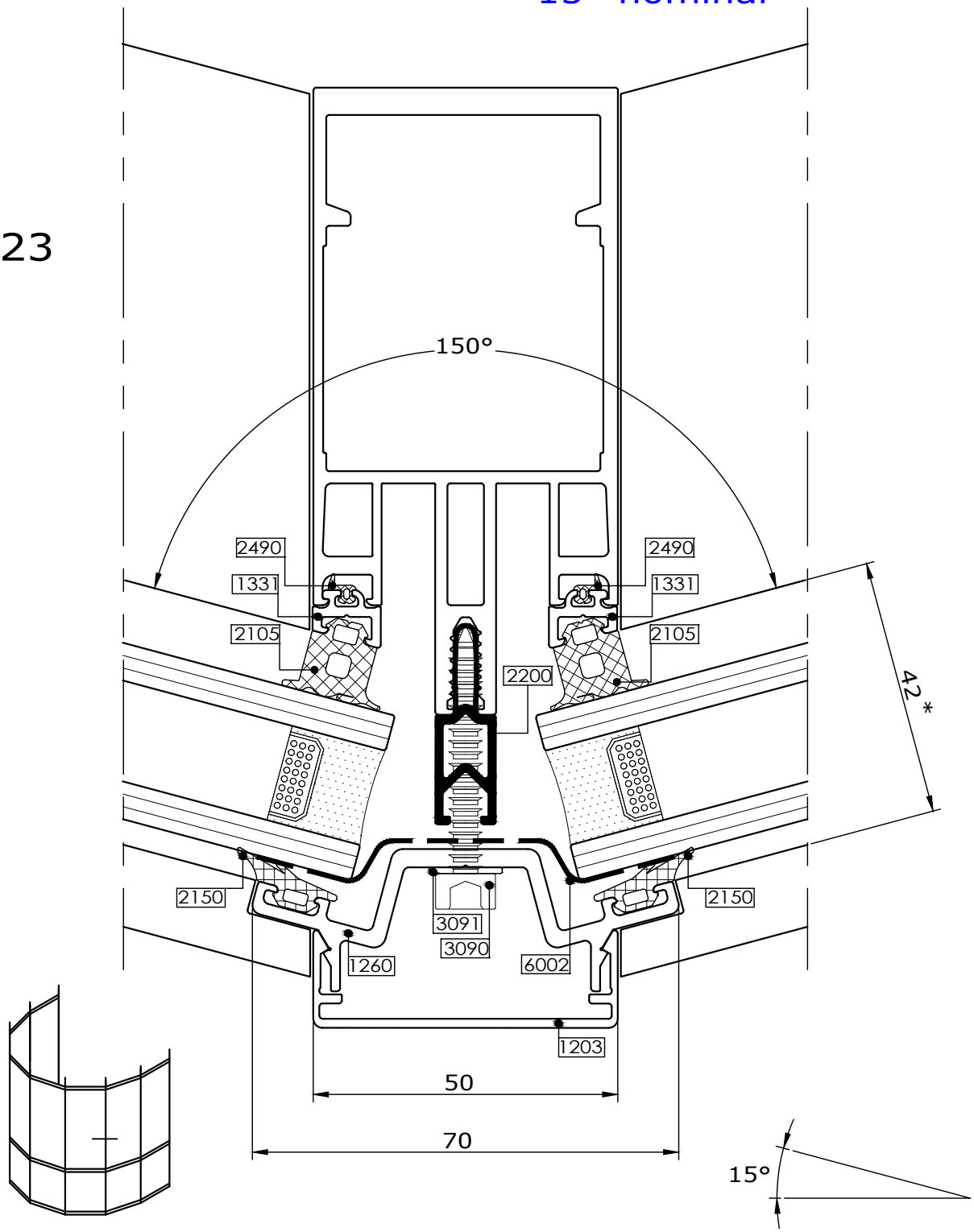
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Mullion detail
Facetted facade
15° nominal

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2.23

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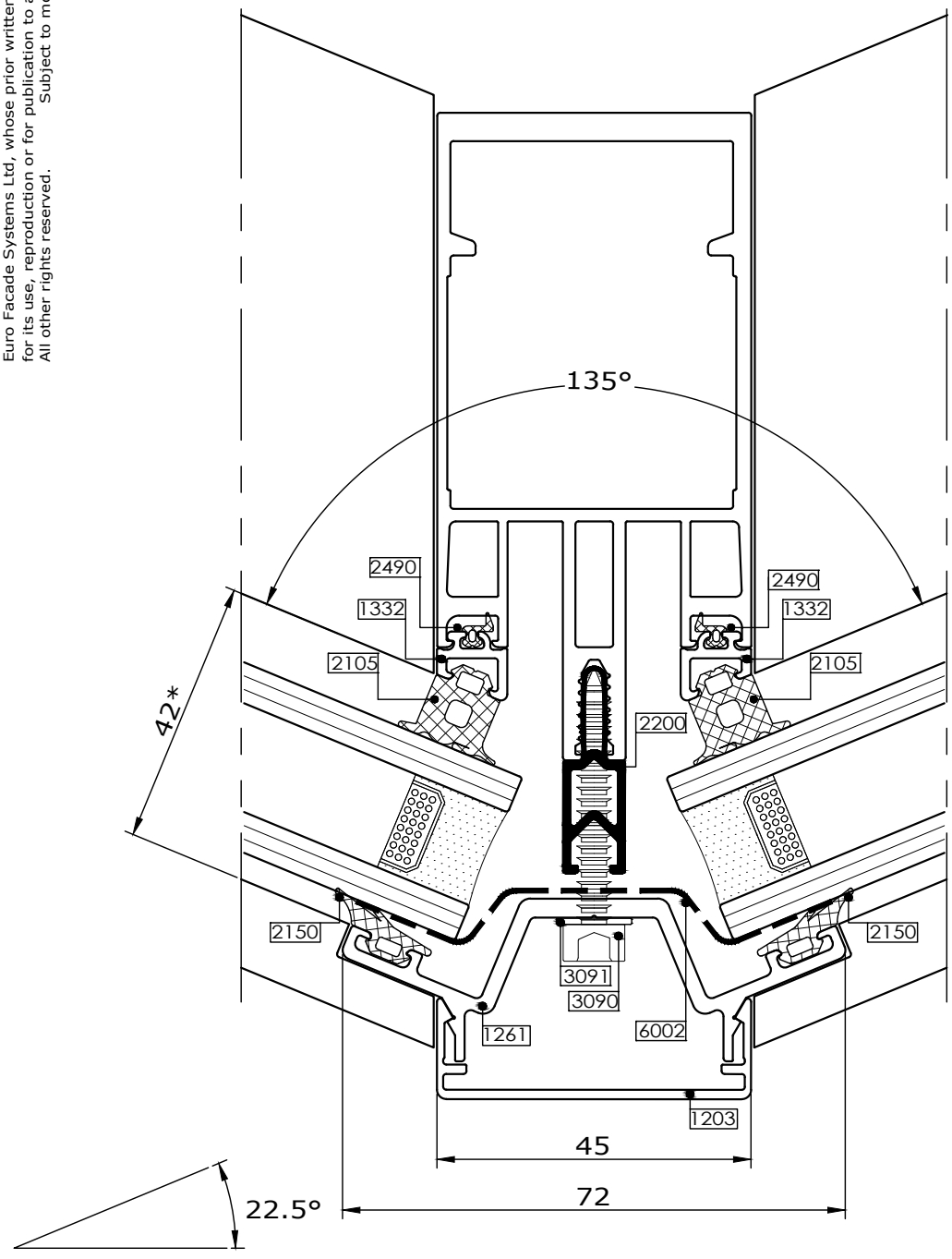
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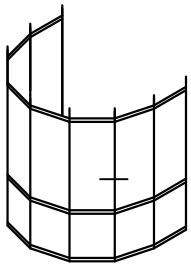
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2 Typical detail

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Mullion detail
Facetted facade
22.5° nominal





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2.24

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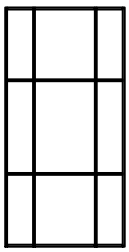
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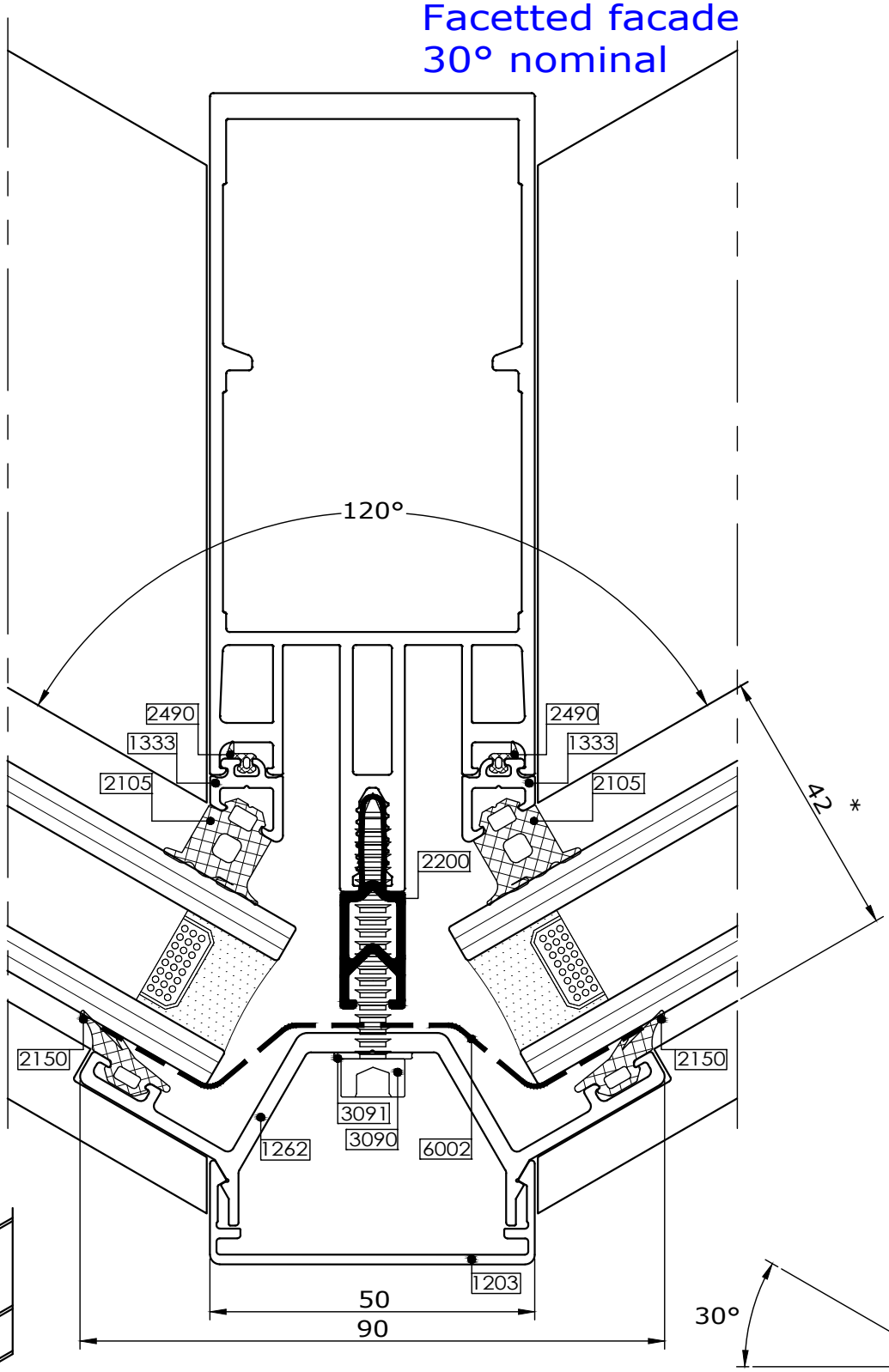
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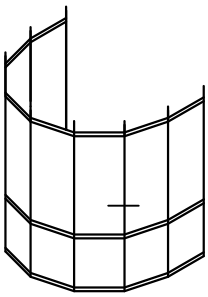


2.25

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Mullion detail
Facetted facade
30° nominal





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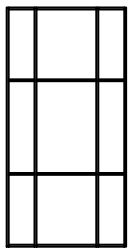
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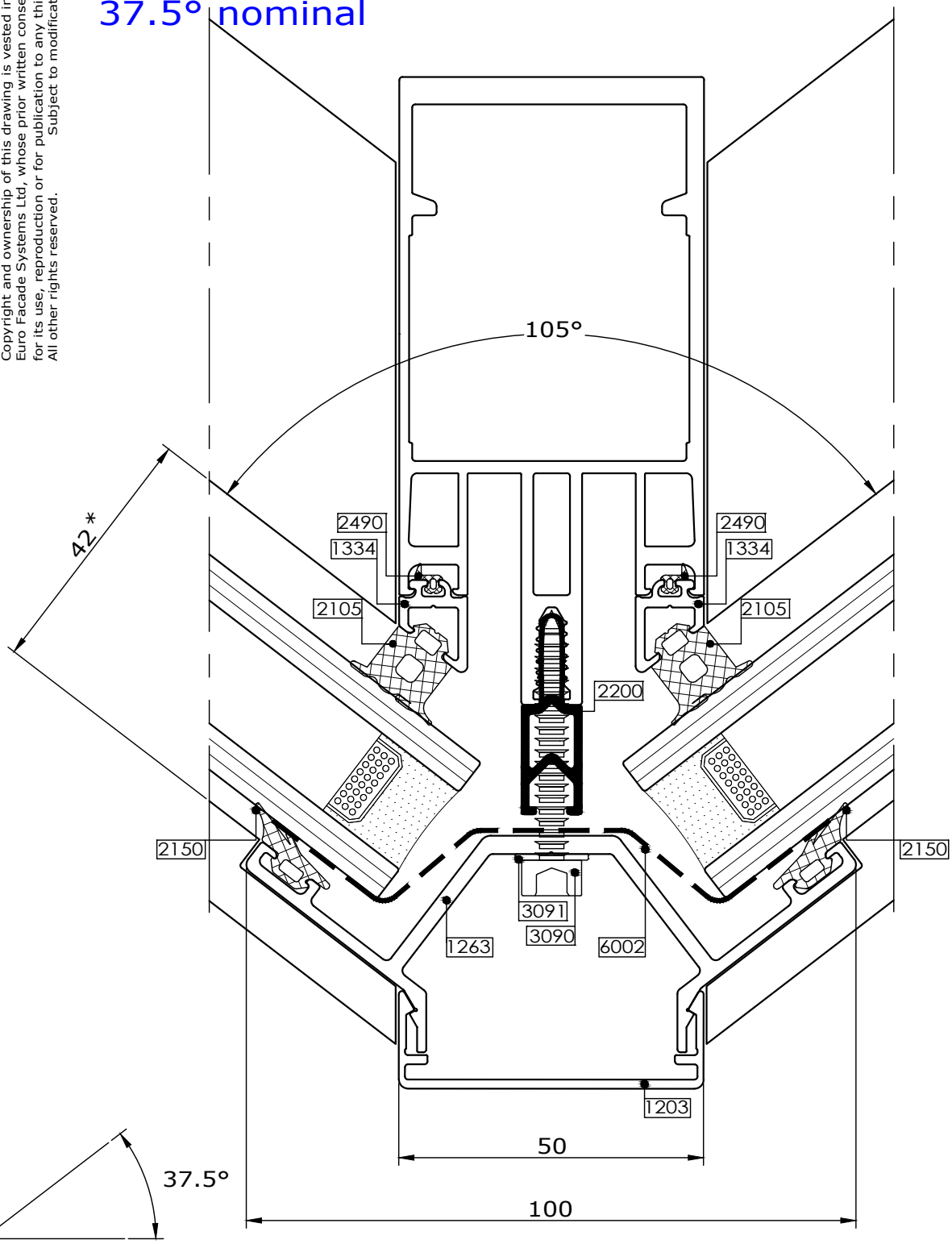
Typical detail

Comar 6EFT

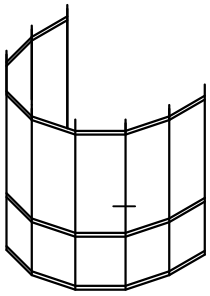


2.26

Mullion detail
Facetted facade
37.5° nominal



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Typical detail 2

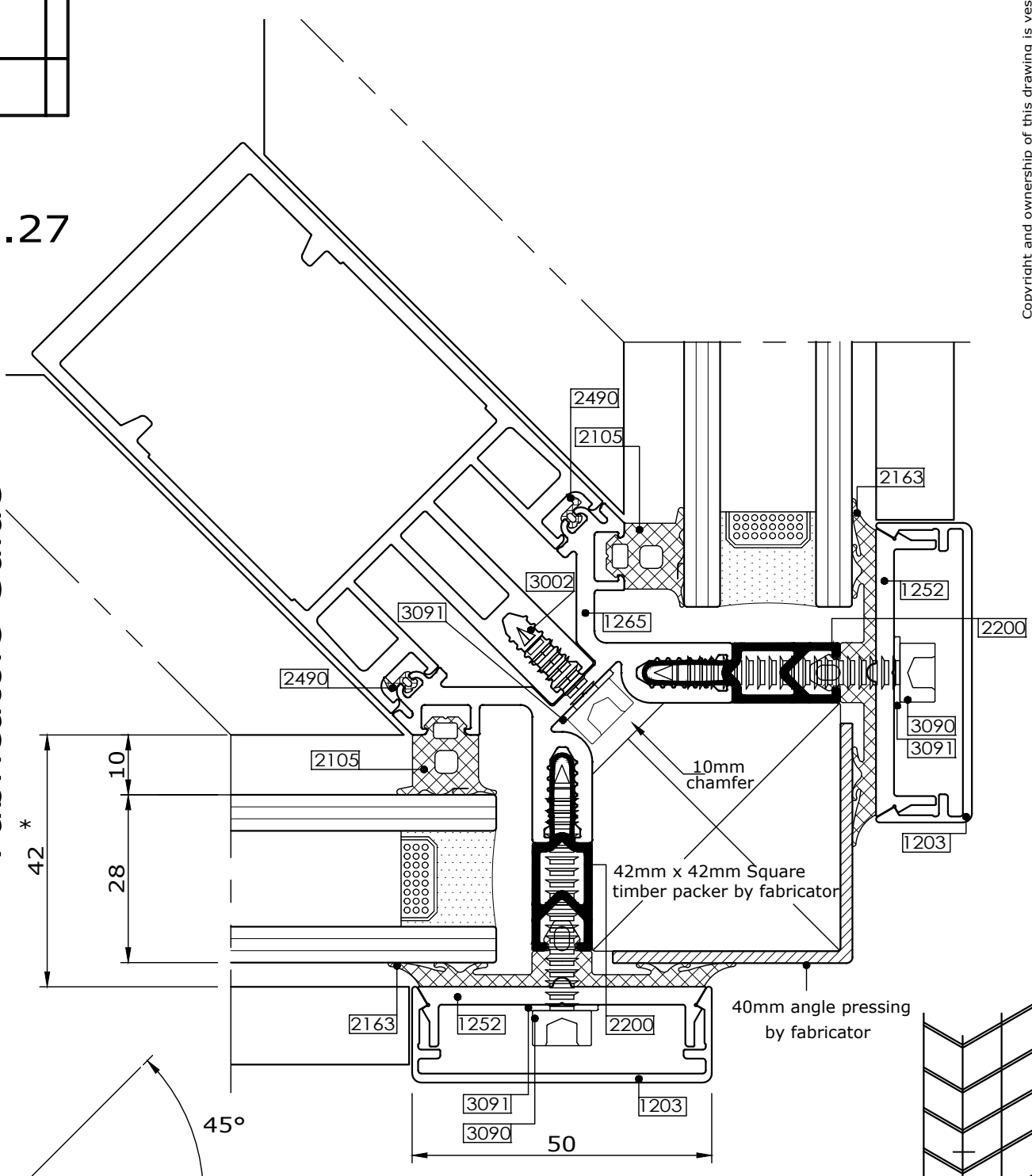
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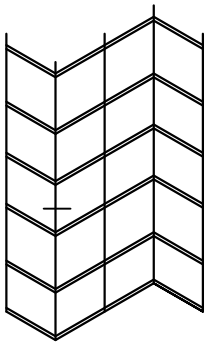
Mullion Detail
Facetted facade
45° corner

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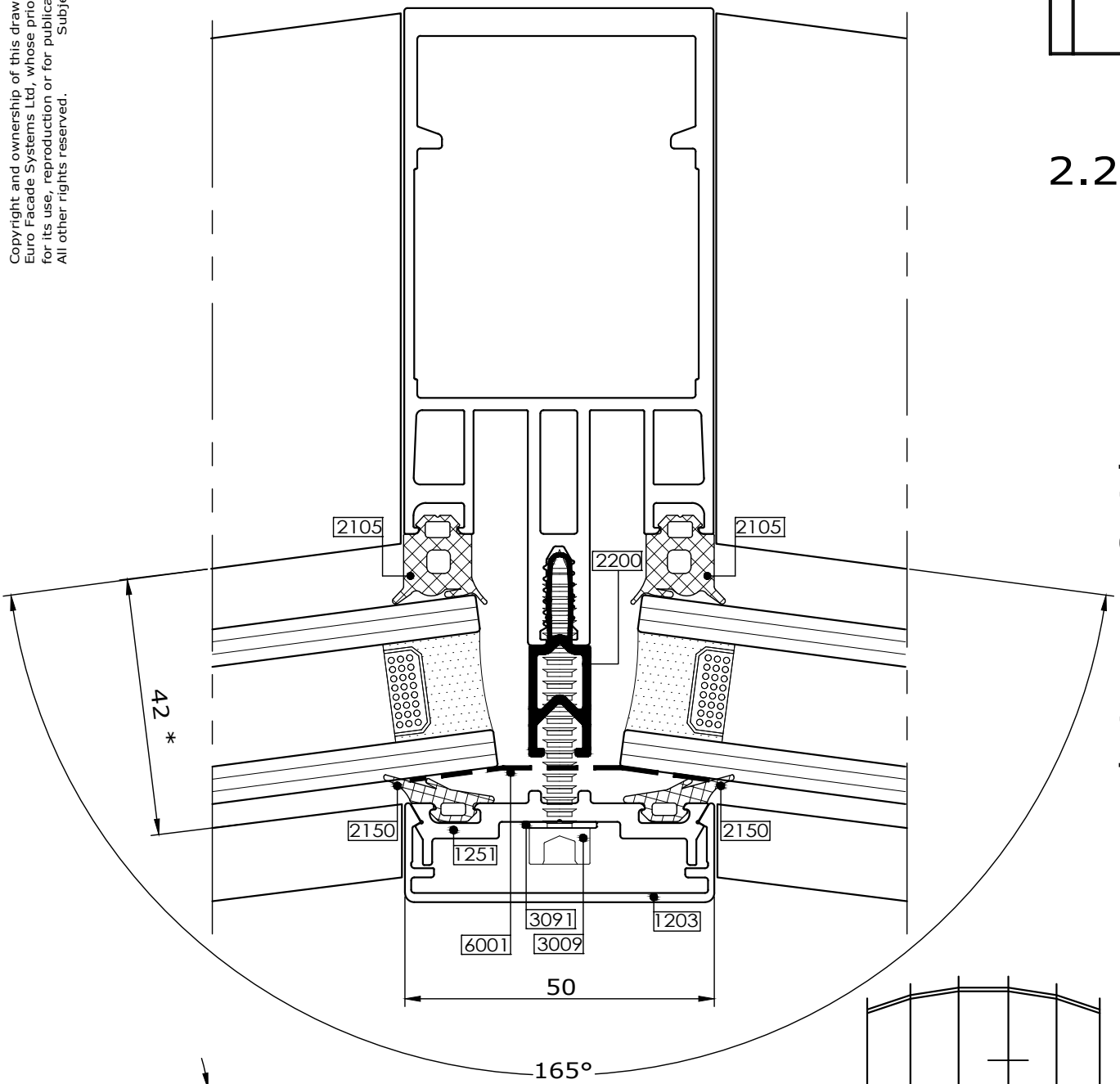
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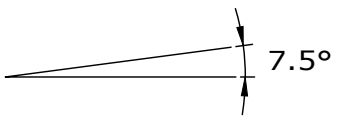
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Typical detail

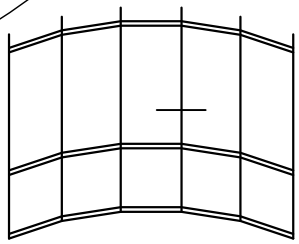
Comar 6EFT

Mullion detail
Facetted facade
7.5° maximum





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2.28

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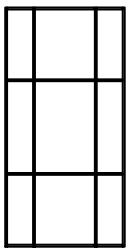
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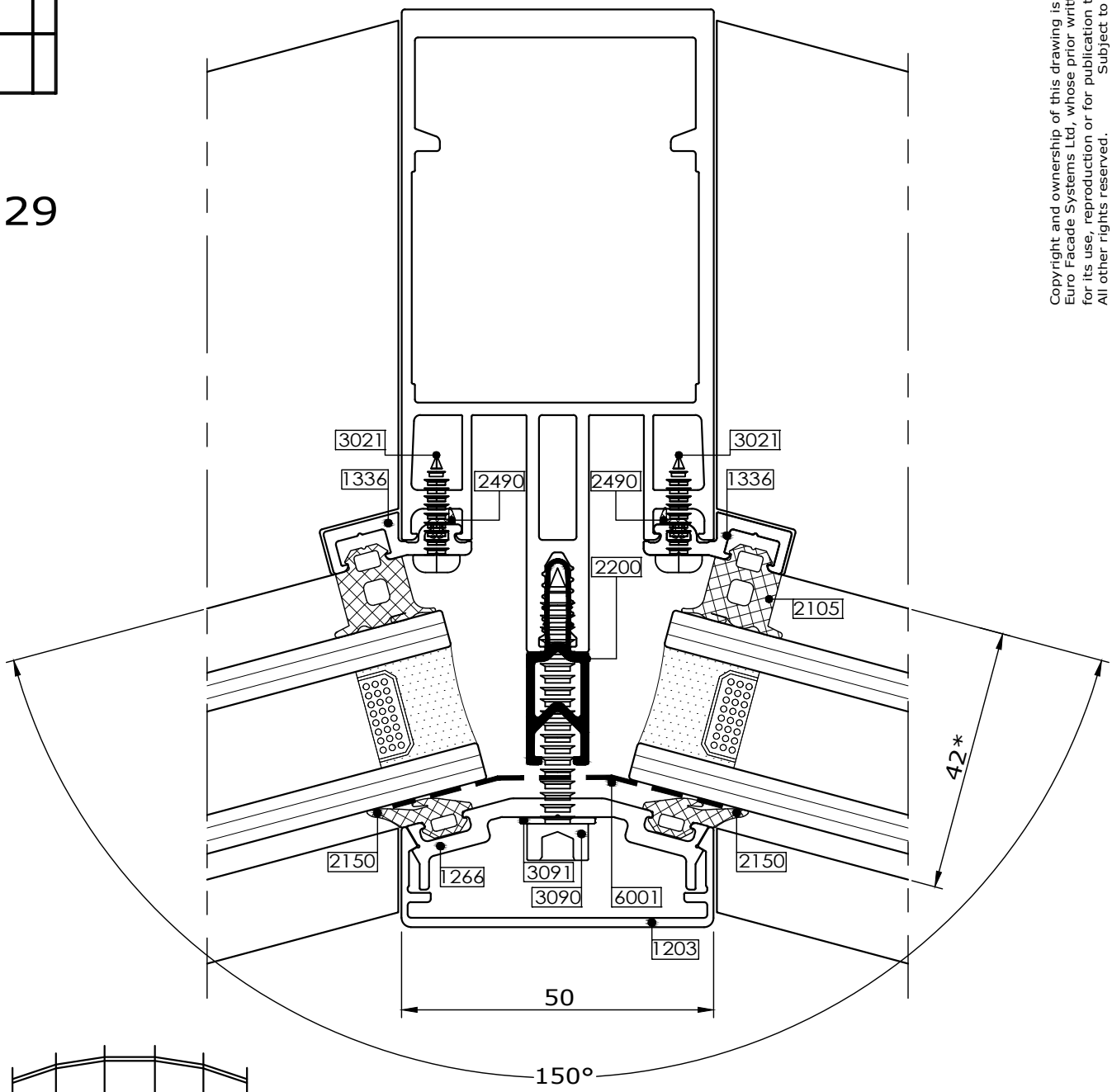
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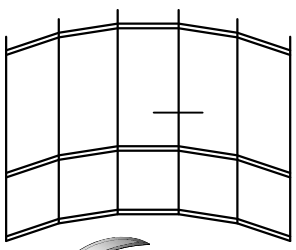
Mullion detail
Facetted facade
15° nominal



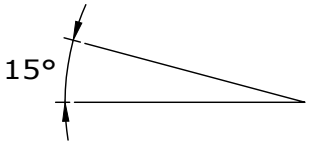
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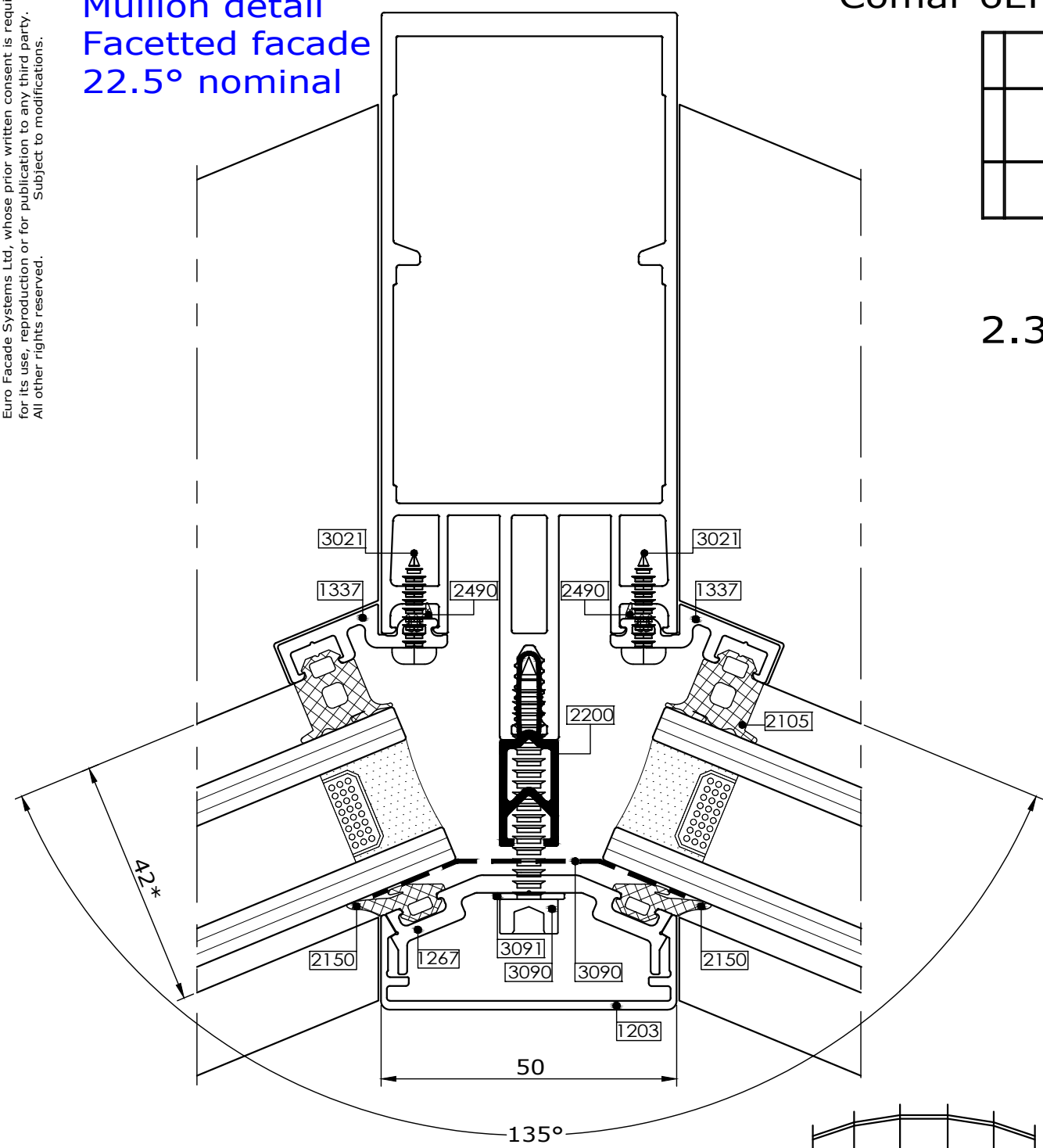
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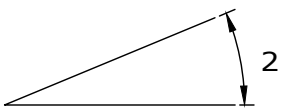
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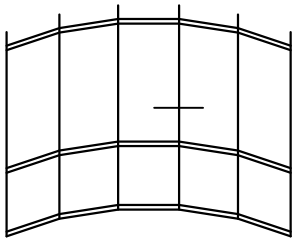
Comar 6EFT

Mullion detail
Facetted facade
22.5° nominal





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2.30

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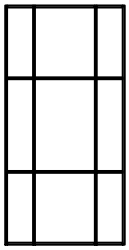
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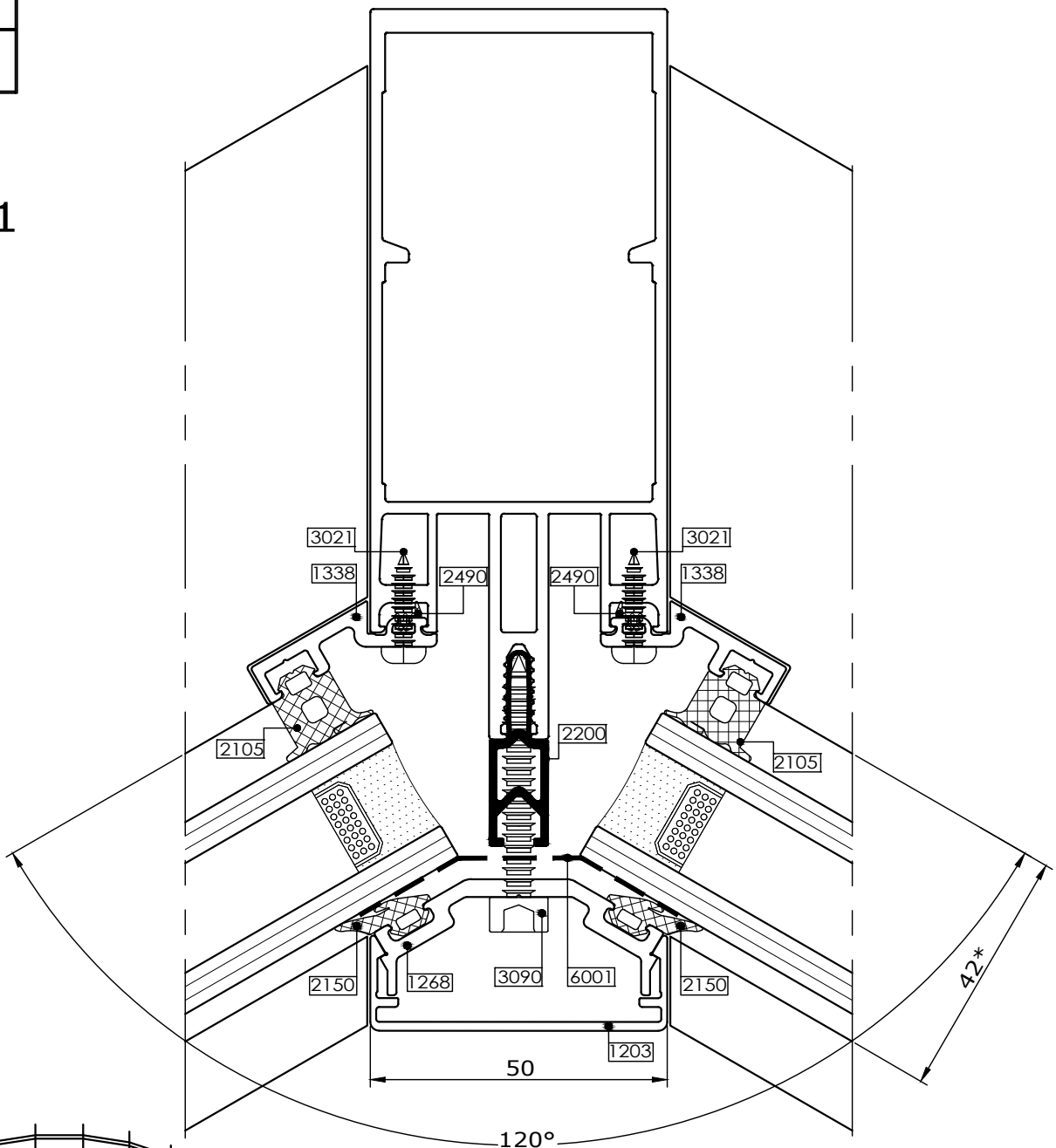
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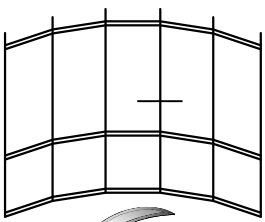
Mullion detail
Facetted facade
30° nominal

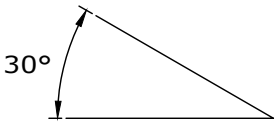


2.31

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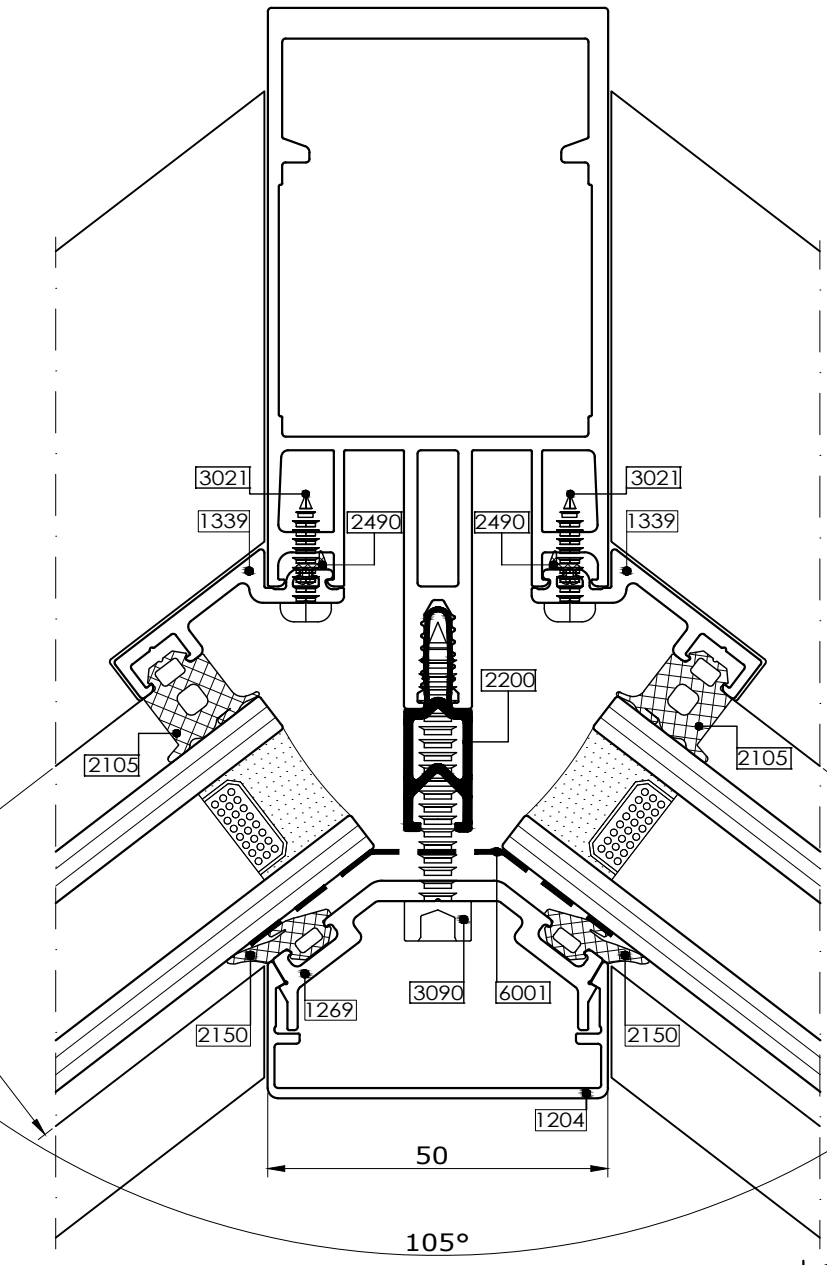
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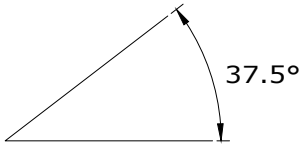
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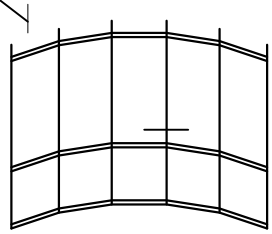
Comar 6EFT

Mullion detail
Facetted facade
37.5° nominal



* Refer to Glazing Chart for glazing options





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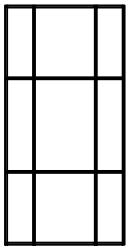
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Typical detail 2

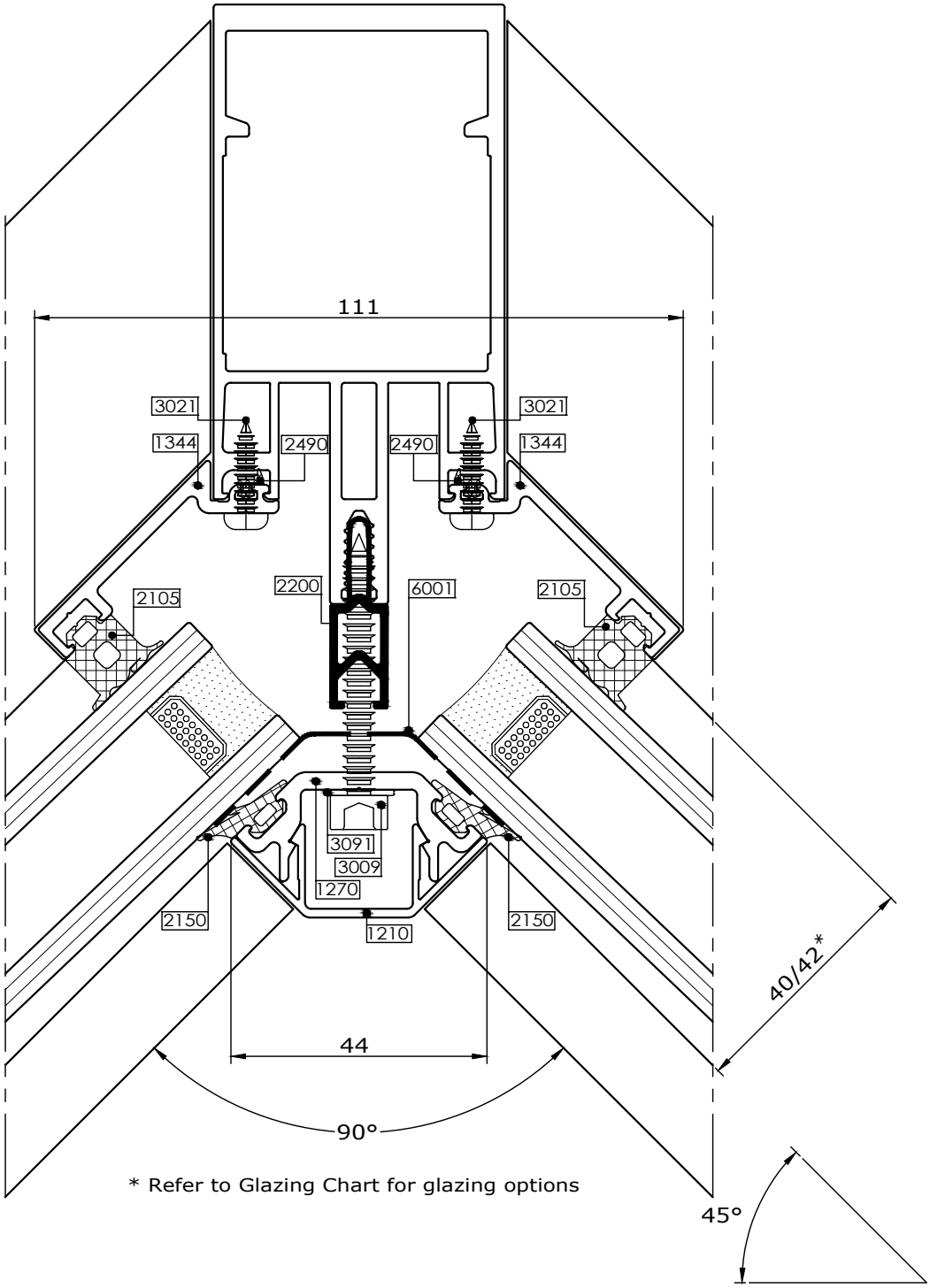
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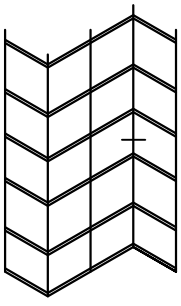
Mullion detail
Facetted facade
45° nominal



2.33

Fabricators Guide





* Refer to Glazing Chart for glazing options

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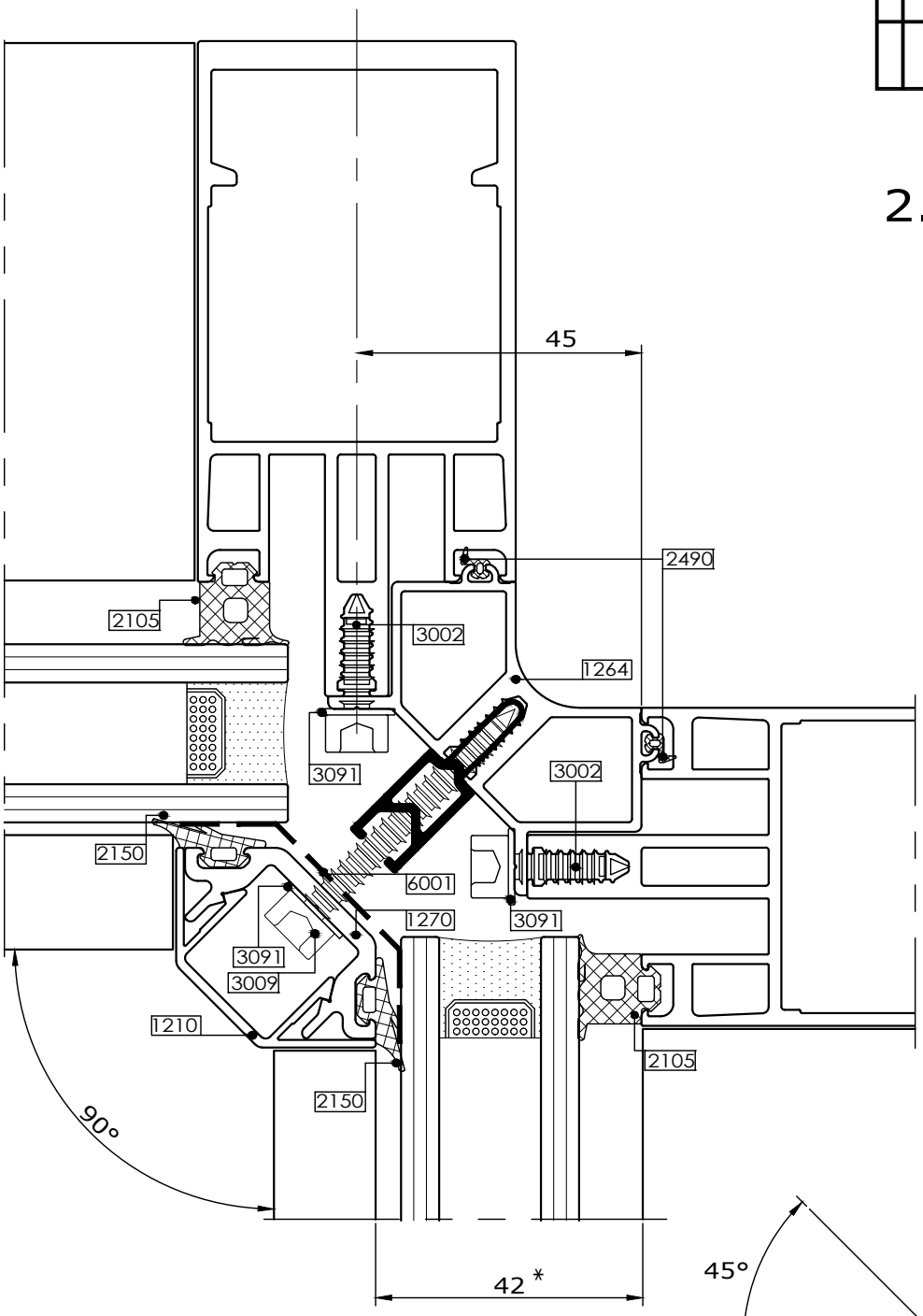
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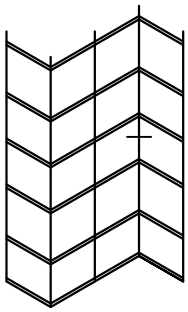
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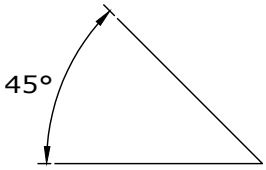
Comar 6EFT

Mullion detail
Facetted facade
45° corner

2.34







* Refer to Glazing Chart for glazing options

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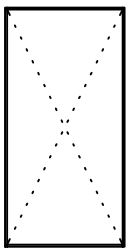
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Typical details 2

Comar 6EFT

Future Additions



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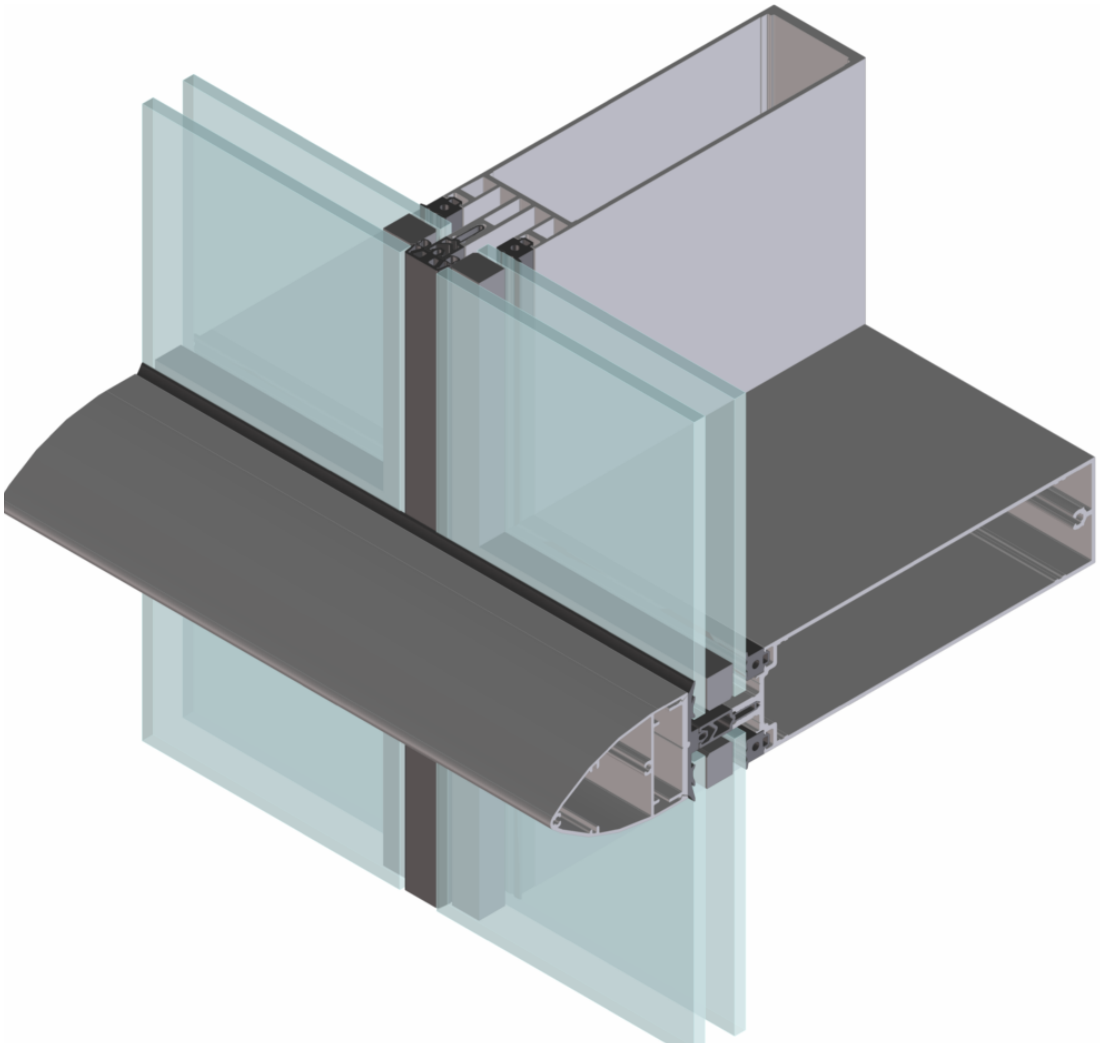
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2 Typical details

Comar 6EFT

2sided SGH



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Introduction
Comar 6EFT 2Sided SGH

Comar 6EFT 2Sided Horizontal Curtain Wall System enables the construction of attractive 2sided structural glazed curtain walling, with the benefits of slim vertical sightlines or, by using different horizontal cover cap design features.

This thermally insulated system consists of standard 50mm profiles, bespoke profiles are available upon request.

Specification Summary

Comar 6EFT 2Sided Horizontal Curtain Walling is a mullion drained, thermally broken curtain wall system, which consists of 50mm mullions and transoms suitable for facades.

The external vertical sightline (joint seal) is 20mm. The joint seal can be made from EPDM, compatible with most silicone sealants or this can be made out of silicone sealant.

Various cover caps are available for this system. The smallest sightline can be achieved using a 50 mm wide double chamfered cap to provide a visible front face of 16mm

Glazing
The system is externally glazed. Glazing should conform to the requirements of BS 6262 for thickness, type, wind resistance, safety and security.

Drainage
The system is mullion drained, achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262

Thermal Insulation
Class 2.1 in accordance with DIN 4108 (2.0-2.8 W/m^{2}K) or EN ISO 10077 - 1

The thermal transmittance (Uf) W/m^{2}K, is depending on the insulator strip, calculated as per EN ISO 10077 - 1.
Comparable with class 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Dependant on the glass specification, generally the curtain wall framing reduces the figure by 2dB (A).

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying to the requirements of BS 1474.
The thermal barrier system is achieved by means of PVC/PP extrusion

Construction
Any instructions regarding the manuufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made of EPDM conforming to BS 4255 Part 1

Performance / exposure category
The system will achieve the following criteria when manufactured, installed and glazed to EFT recommended procedures, in accordance with CWCT approved testing methods.

Classification

Air permeability: BS EN 12152 - Class AE 750

Water tightness: BS EN 12154 - Class RE 750

Wind resistance: BS EN 13116 -
2400 Pa design - 3600 Pa safety

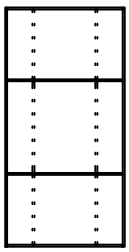
2400Pa (Pascal's) is dependant upon correct mullion and transom selection to suit span and spacing by project.

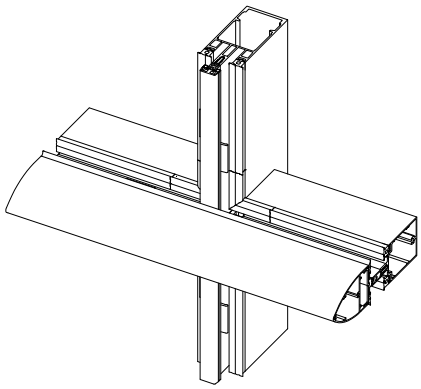
Size limitations
The size limitations of the system depends mainly on the mullion/transom members used to suit the span, spacing and wind/dead loads, which are specific for each individual project. Please refer to Comar's Technical Office for advise.

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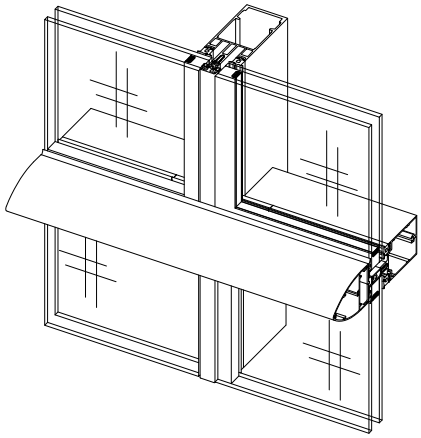
Typical details 2

Comar 6EFT





Typical Exploded Detail Horizontal cover cap (2sided SGH)

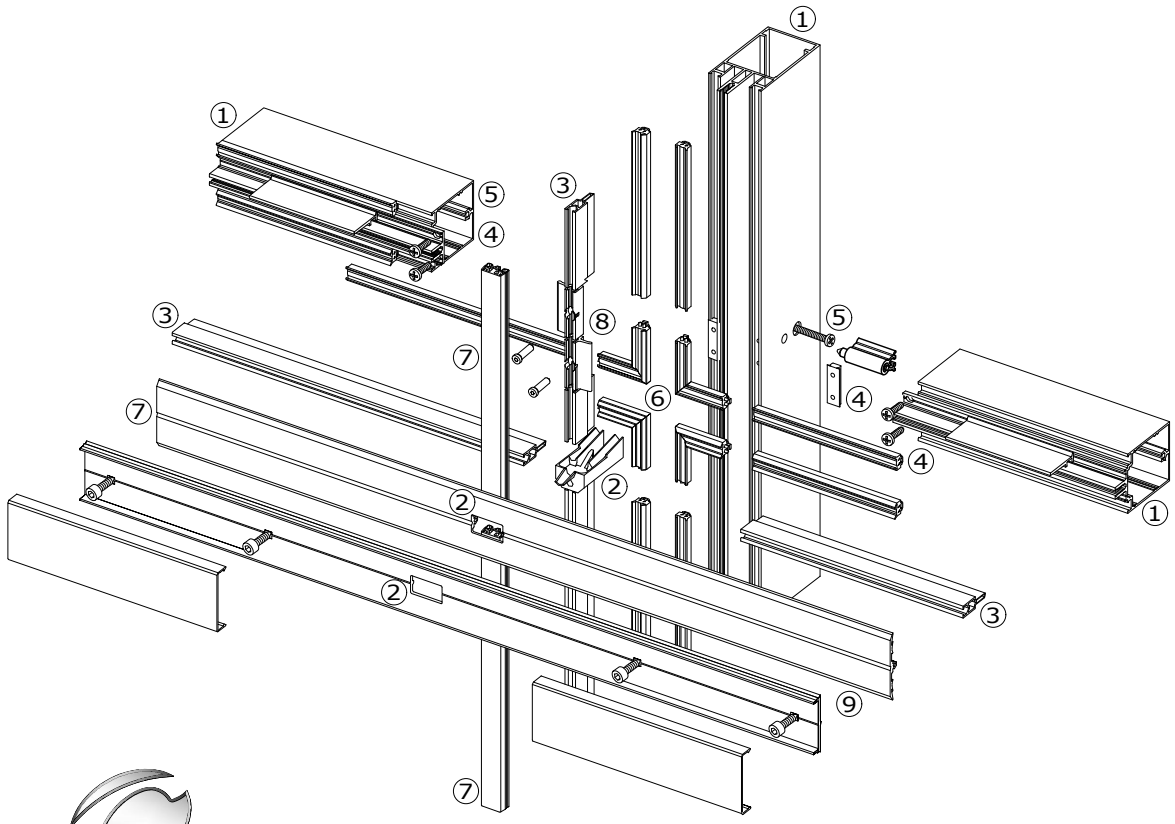


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Details:

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 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.



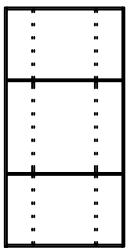
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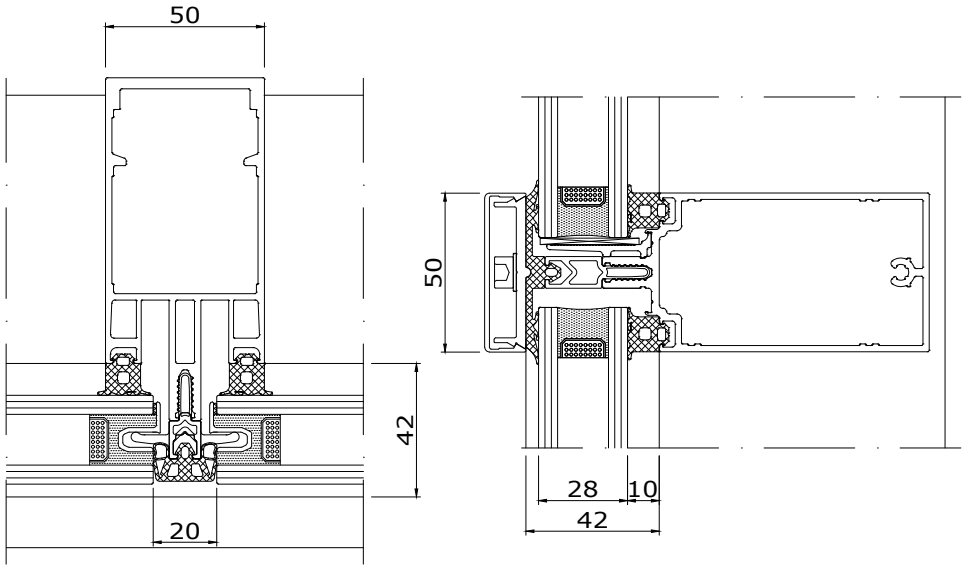
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2sided SGH

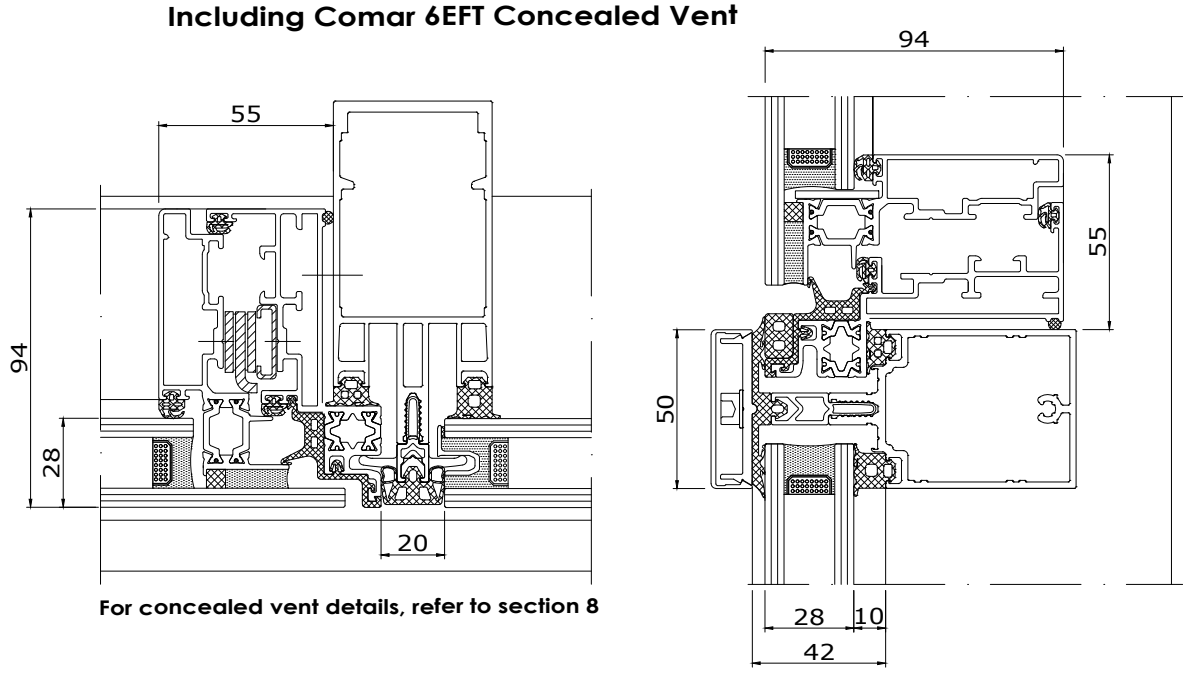


2.36

Horizontal cover cap / Vertical EPDM gasket or silicone sealant



Including Comar 6EFT Concealed Vent



For concealed vent details, refer to section 8

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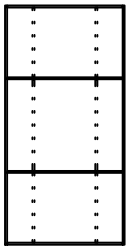
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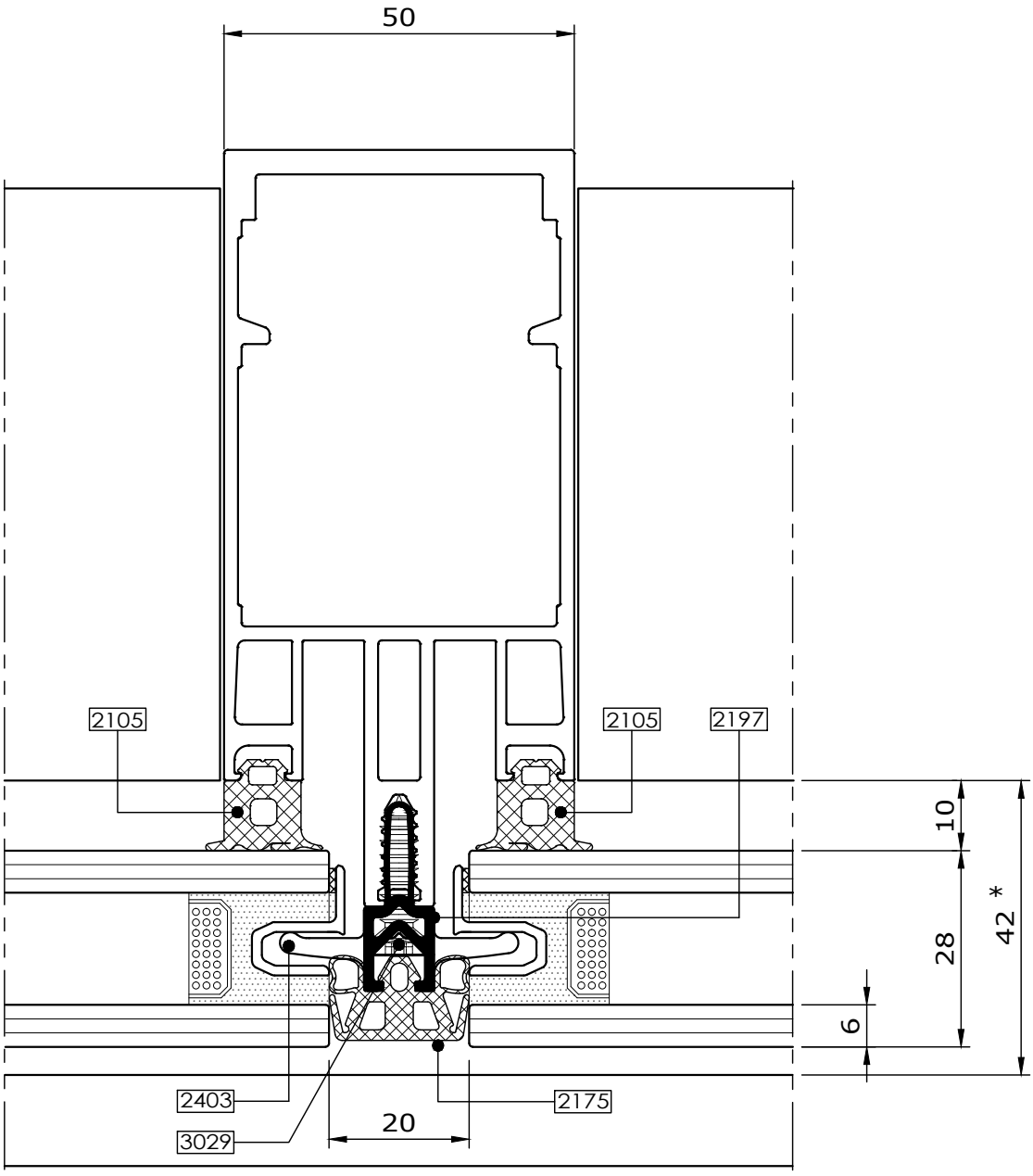
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Comar 6EFT

Mullion detail
Gasket seal



2.37



* Refer to Glazing Chart for glazing options

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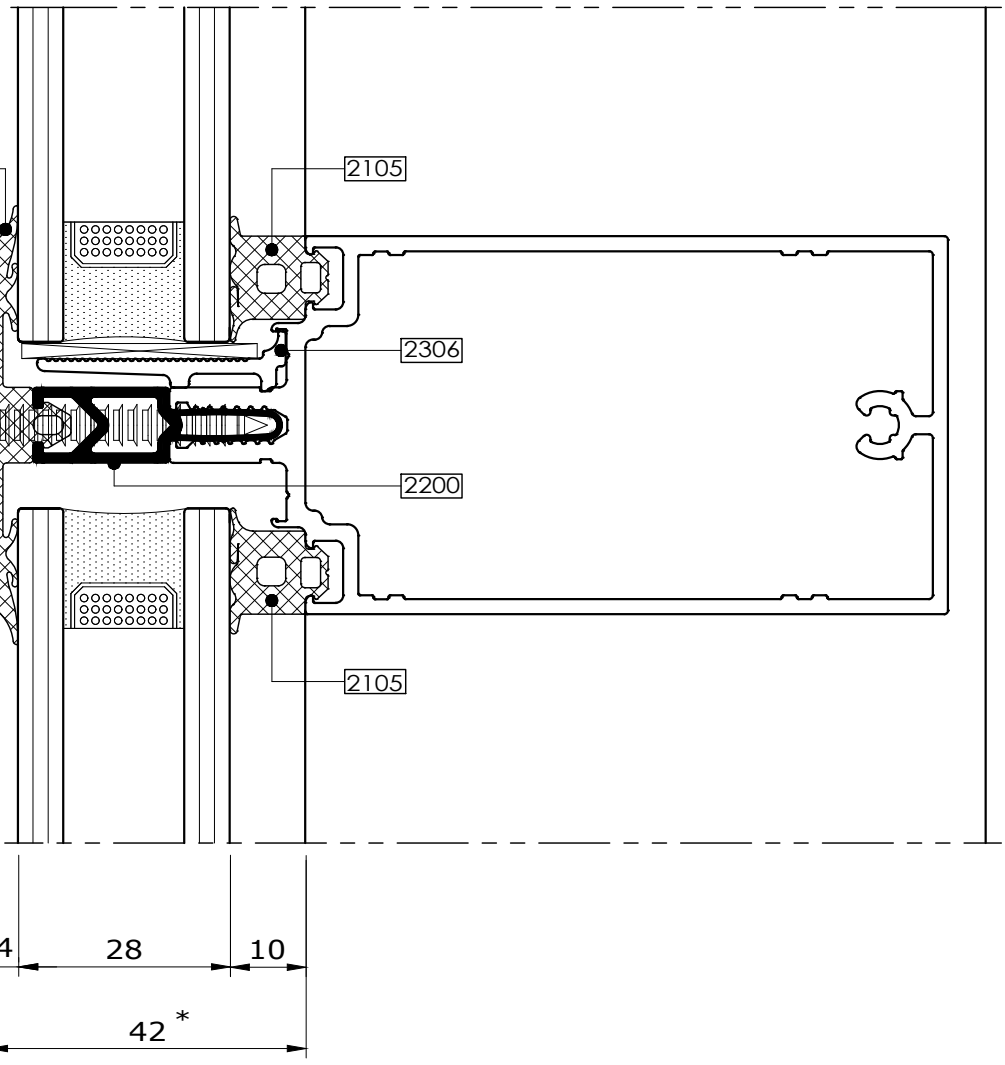
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Transom detail



2.38

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* Refer to Glazing Chart for glazing options

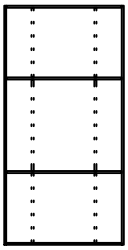
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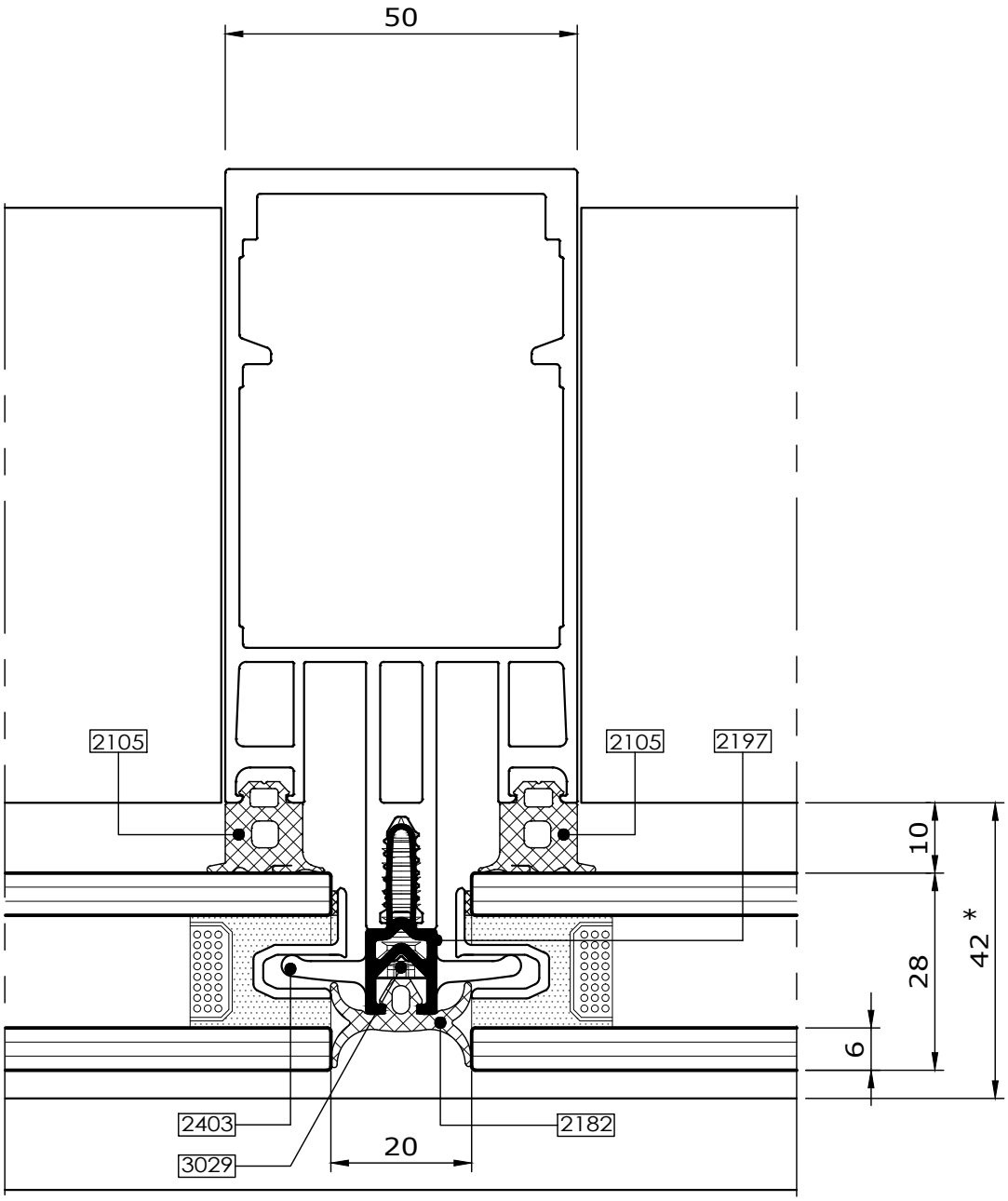


Mullion Detail
Gasket seal

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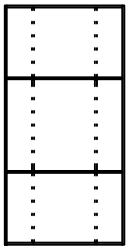
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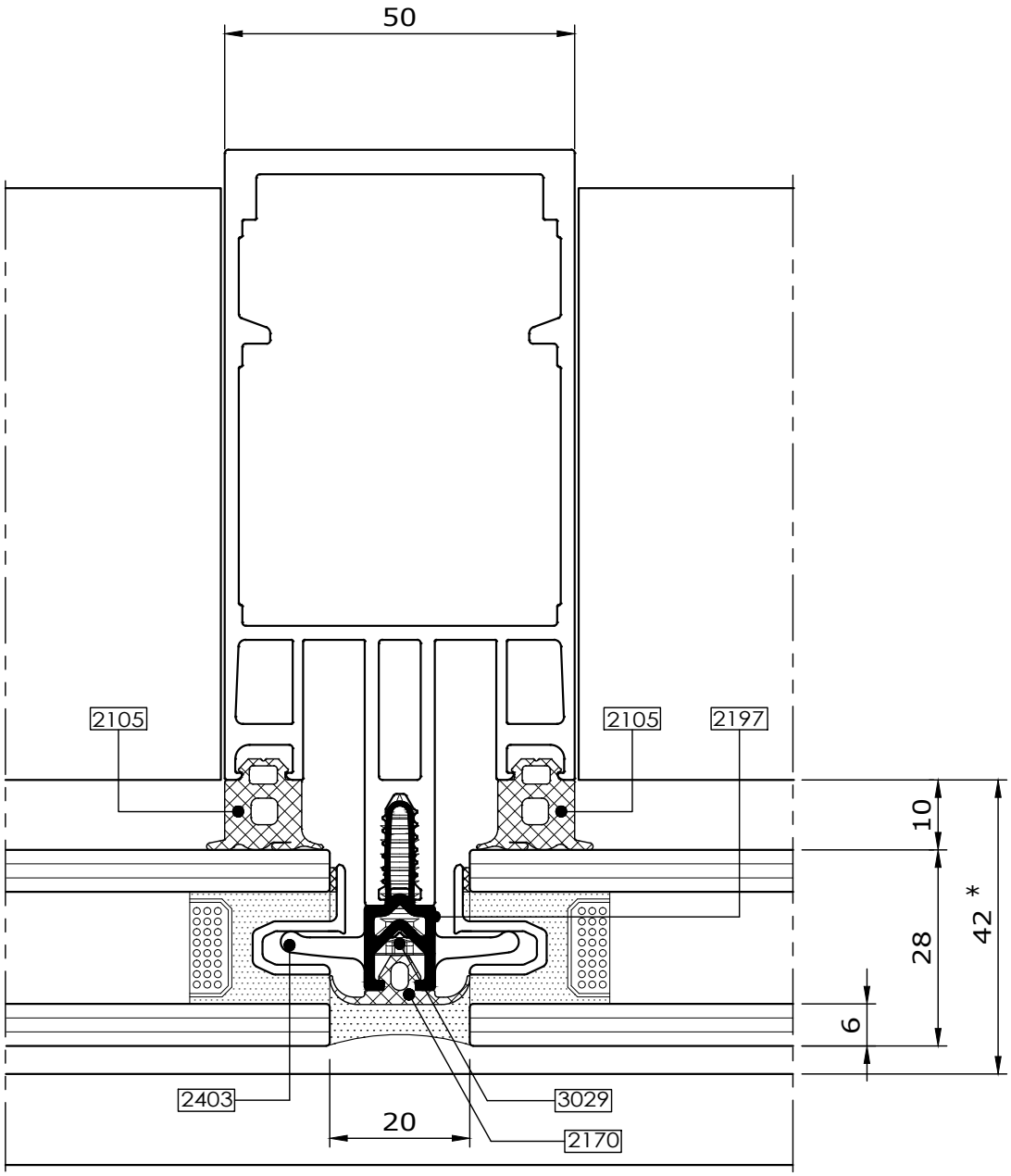
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Comar 6EFT

Mullion detail
Silicone seal



2.39



* Refer to Glazing Chart for glazing options

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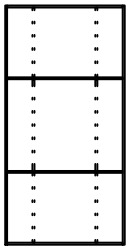
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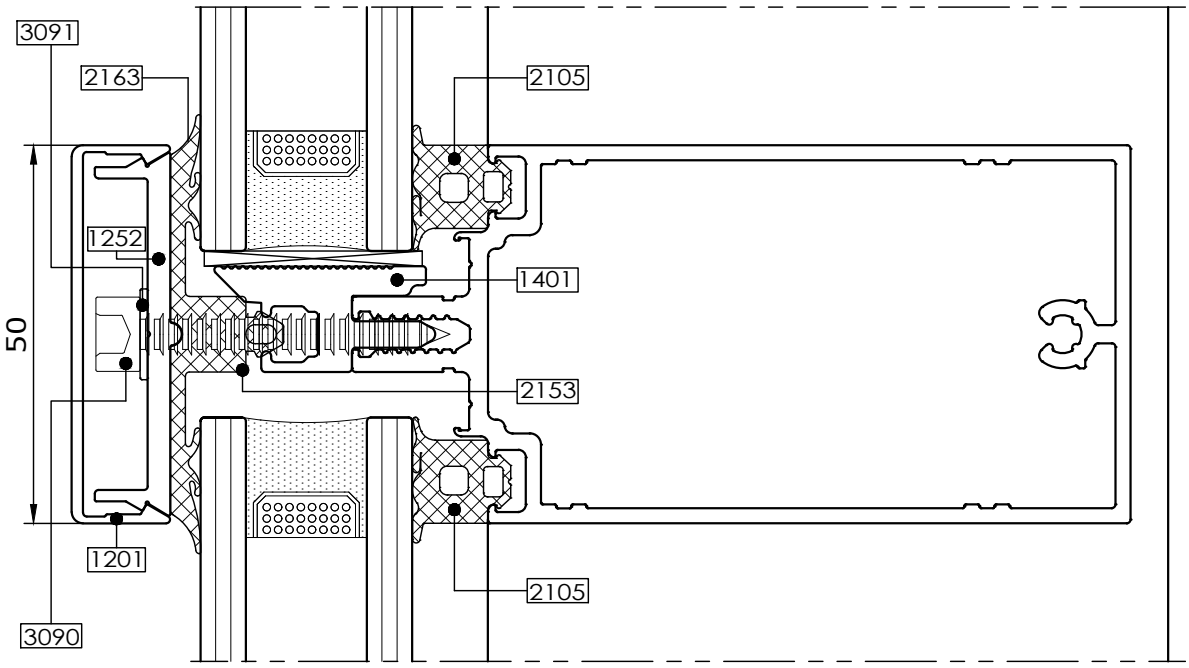
Typical details 2

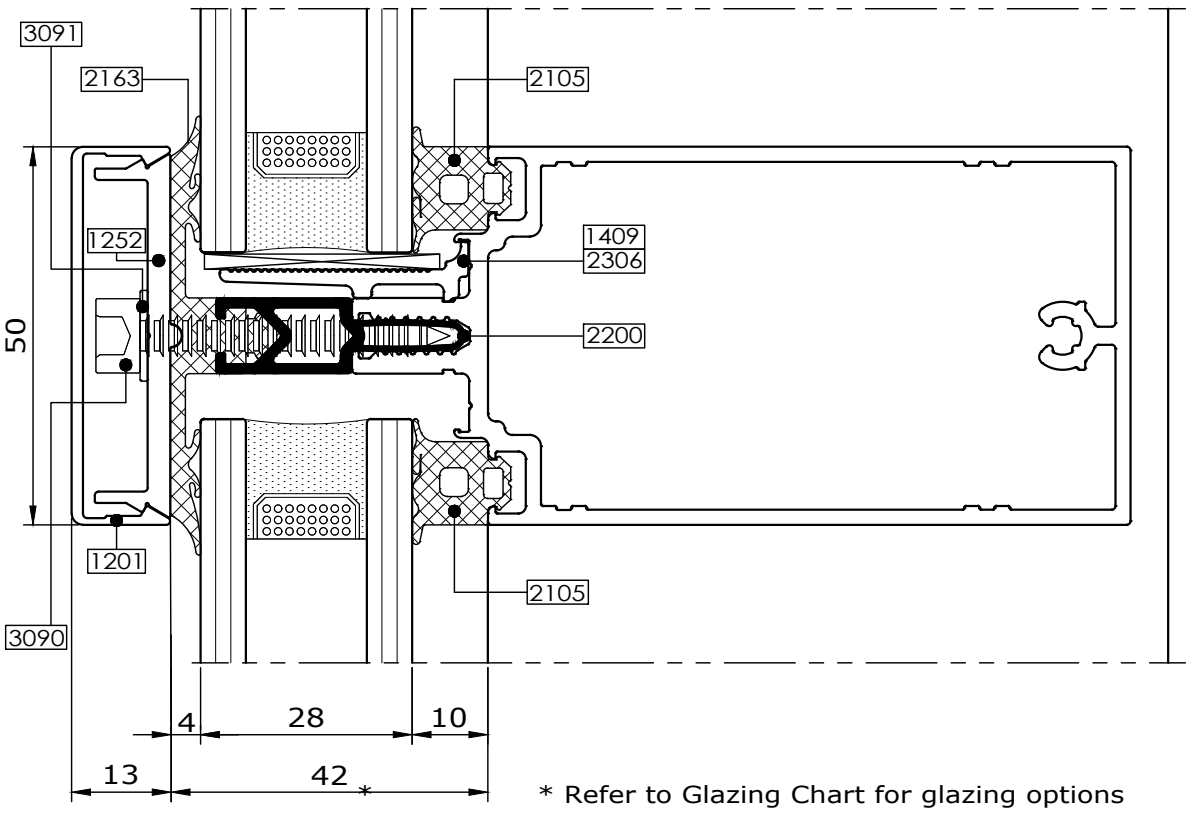
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Transom detail



2.40





* Refer to Glazing Chart for glazing options

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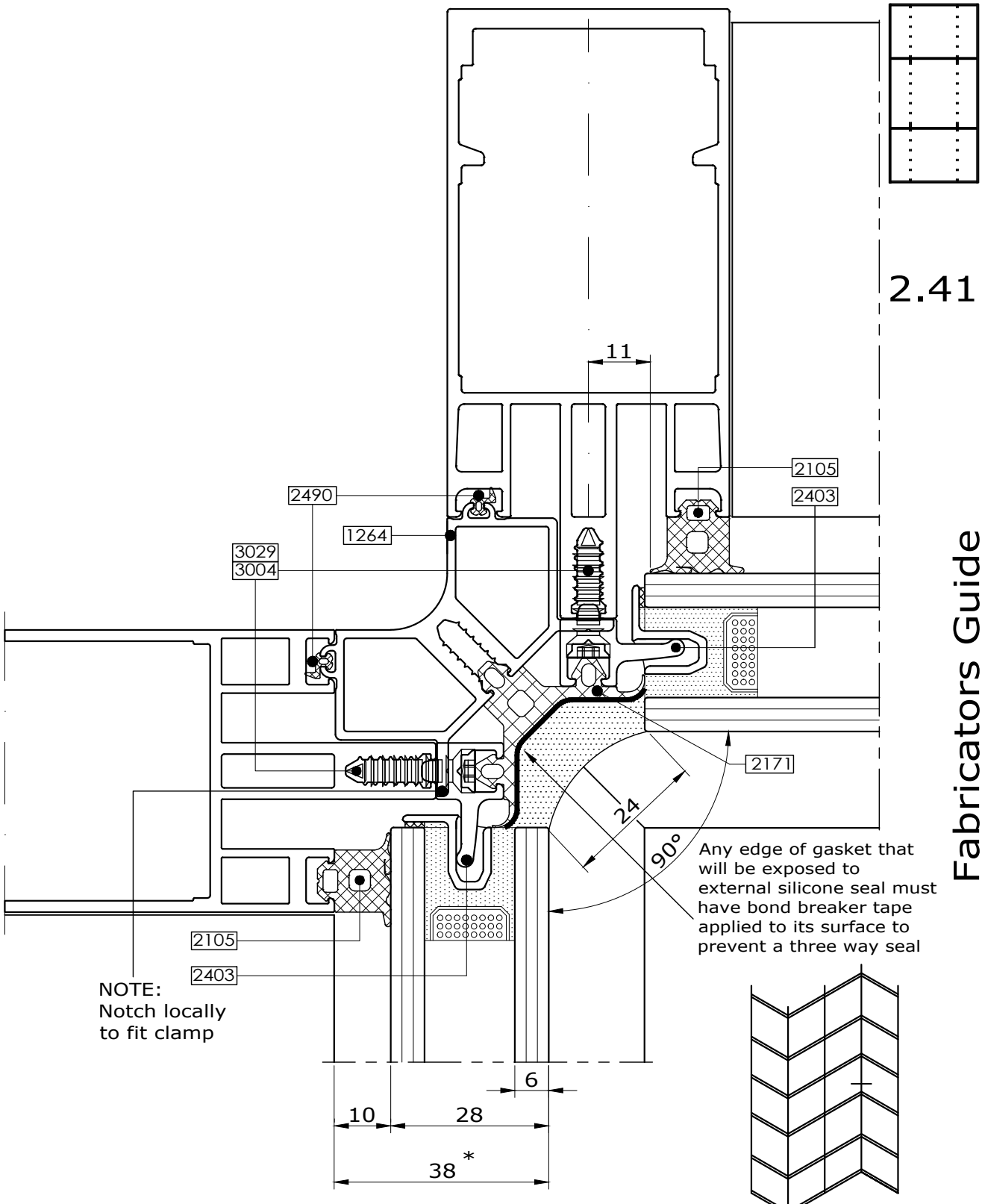
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Mullion corner detail



* Refer to Glazing Chart for glazing options

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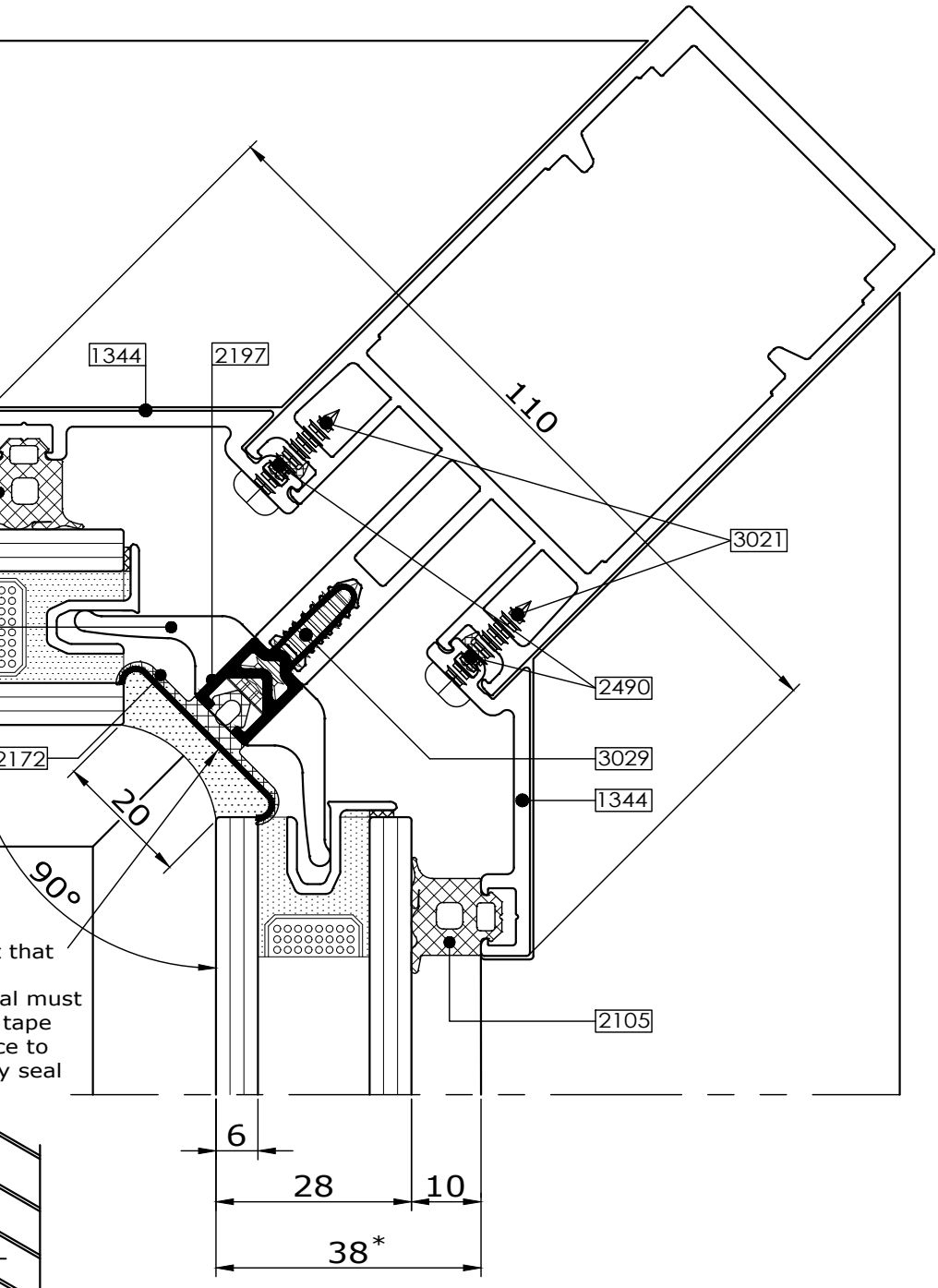
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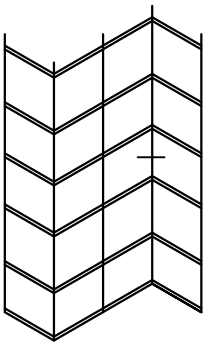
2 Typical details

Comar 6EFT

45° mullion corner detail



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



* Refer to Glazing Chart for glazing options

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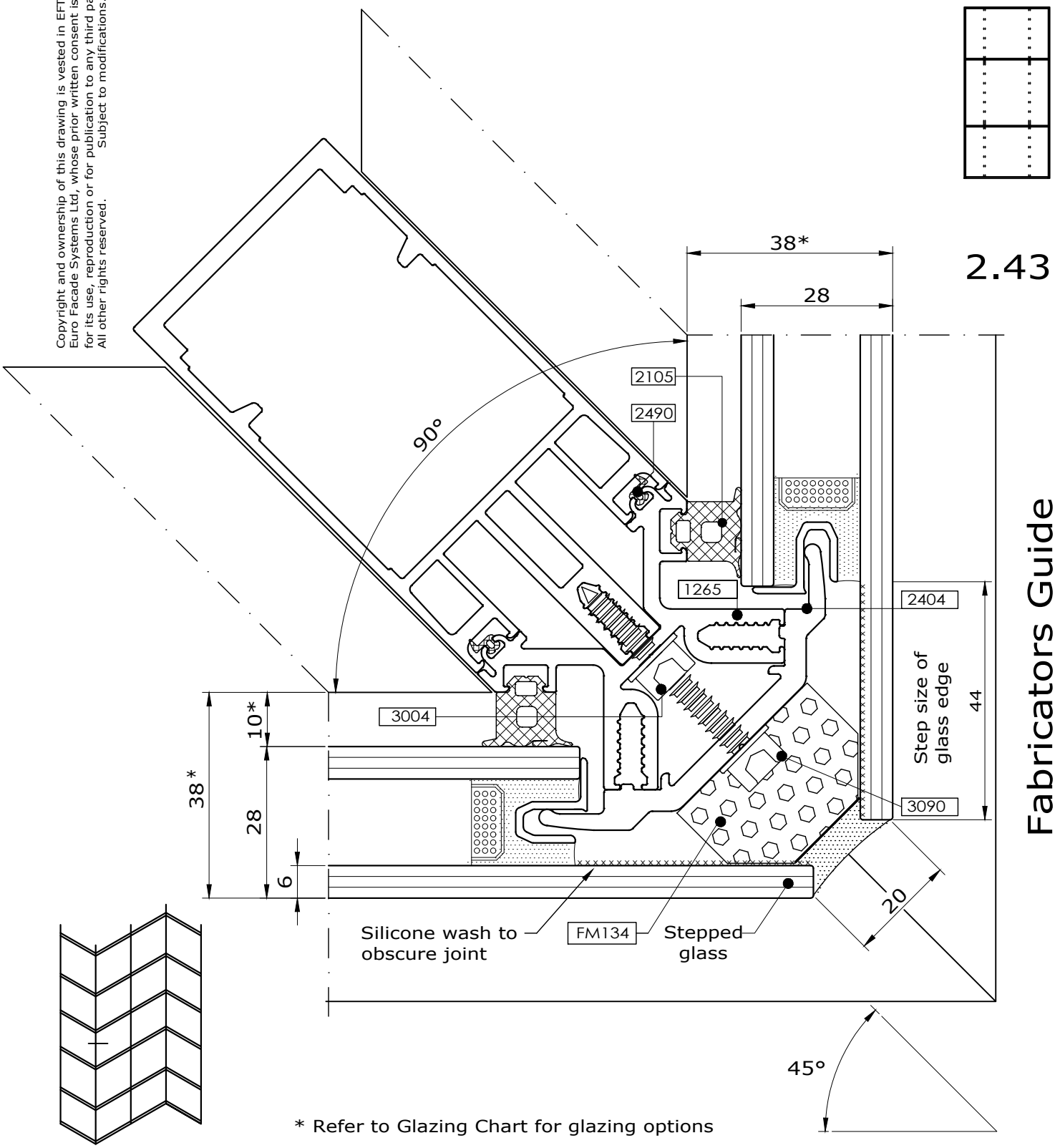
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2 Typical details

Comar 6EFT

45° corner detail



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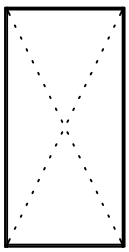
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Typical details 2

Comar 6EFT

Future Additions



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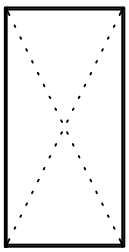
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Future Additions



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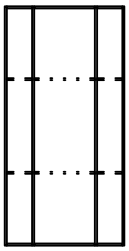
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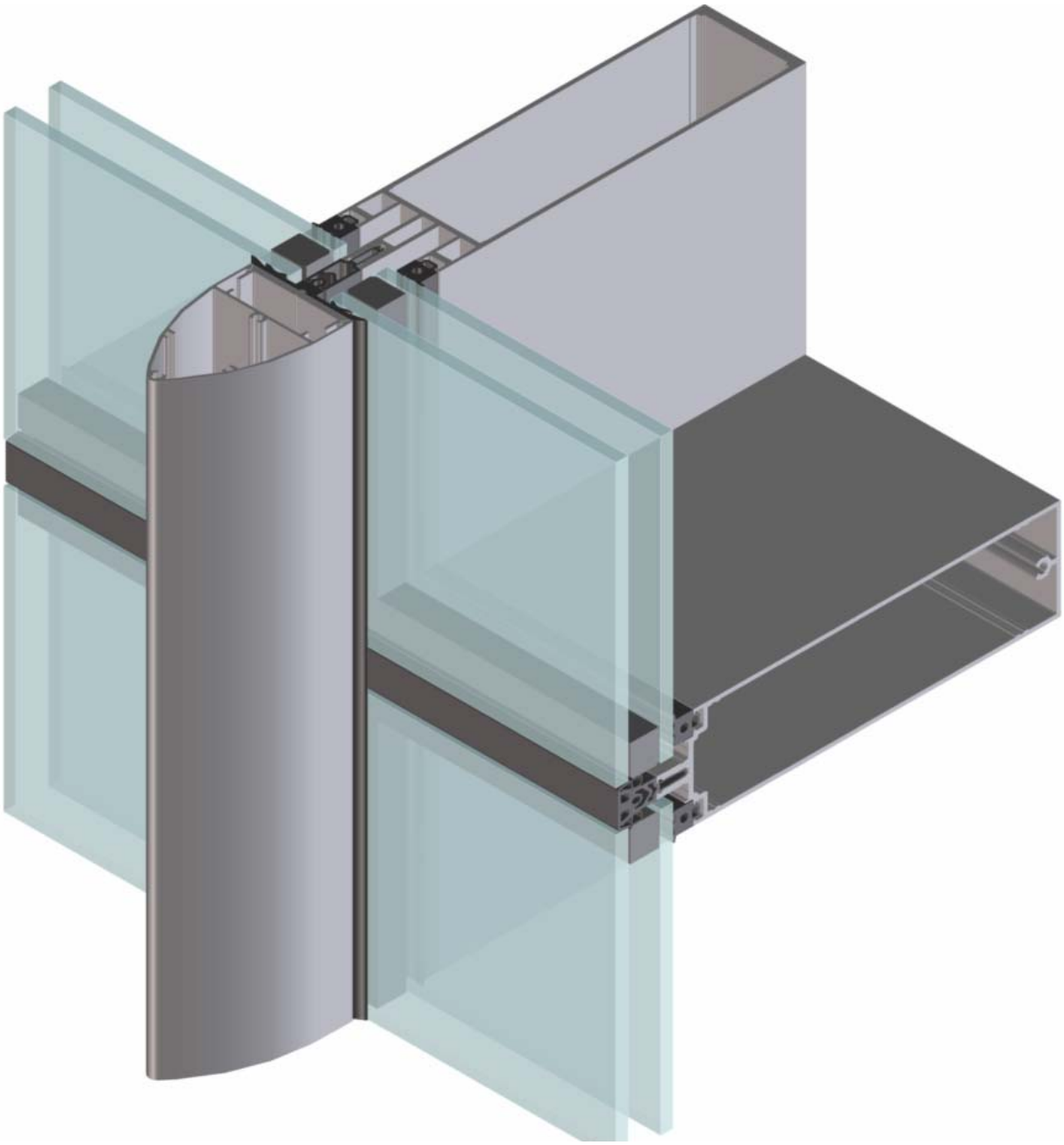
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2 Typical detail

Comar 6EFT



2sided SGV



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Introduction
Comar 6EFT 2Sided SGV

Comar 6EFT 2Sided Vertical Curtain Wall System enables the construction of attractive 2sided structural glazed curtain walling, with the benefits of slim horizontal sightlines or, by using different vertical cover cap design features.

This thermally insulated system consists of standard 50mm profiles, bespoke profiles are available upon request.

Specification Summary

Comar 6EFT 2Sided Vertical Curtain Walling is a mullion drained, thermally broken curtain wall system, which consists of 50mm mullions and transoms suitable for facades.

The external horizontal sightline (joint seal) is 20mm. The joint seal can be made from EPDM, compatible with most silicone sealants or this can be made out of silicone sealant.

Various cover caps are available for this system. The smallest sightline can be achieved using a 50 mm wide double chamfered cap to provide a visible front face of 16mm

Glazing
The system is externally glazed. Glazing should conform to the requirements of BS 6262 for thickness, type, wind resistance, safety and security.

Drainage
The system is mullion drained, achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262

Thermal Insulation
Class 2.1 in accordance with DIN 4108 (2.0-2.8 W/m^{2}K) or EN ISO 10077 - 1

The thermal transmittance (Uf) W/m^{2}K, is depending on the insulator strip, calculated as per EN ISO 10077 - 1.
Comparable with class 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Dependant on the glass specification, generally the curtain wall framing reduces the figure by 2dB (A).

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying to the requirements of BS 1474.
The thermal barrier system is achieved by means of PVC/PP extrusion

Construction
Any instructions regarding the manuufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made of EPDM conforming to BS 4255 Part 1

Performance / exposure category
The system will achieve the following criteria when manufactured, installed and glazed to EFT recommended procedures, in accordance with CWCT approved testing methods.

Classification

Air permeability: BS EN 12152 - Class AE 750

Water tightness: BS EN 12154 - Class RE 750

Wind resistance: BS EN 13116 -
2400 Pa design - 3600 Pa safety

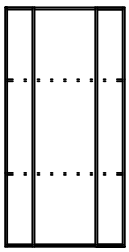
2400Pa (Pascal's) is dependant upon correct mullion and transom selection to suit span and spacing by project.

Size limitations
The size limitations of the system depends mainly on the mullion/transom members used to suit the span, spacing and wind/dead loads, which are specific for each individual project.
Please refer to Comar's Technical Office for advise.

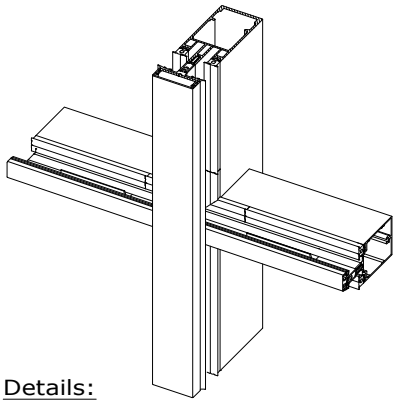
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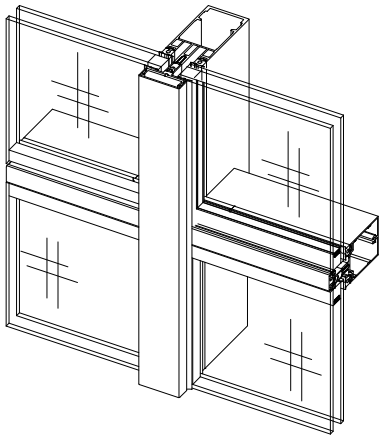
Typical details 2

Comar 6EFT



Typical Exploded Detail
Vertical cover cap
(2sided SGV)

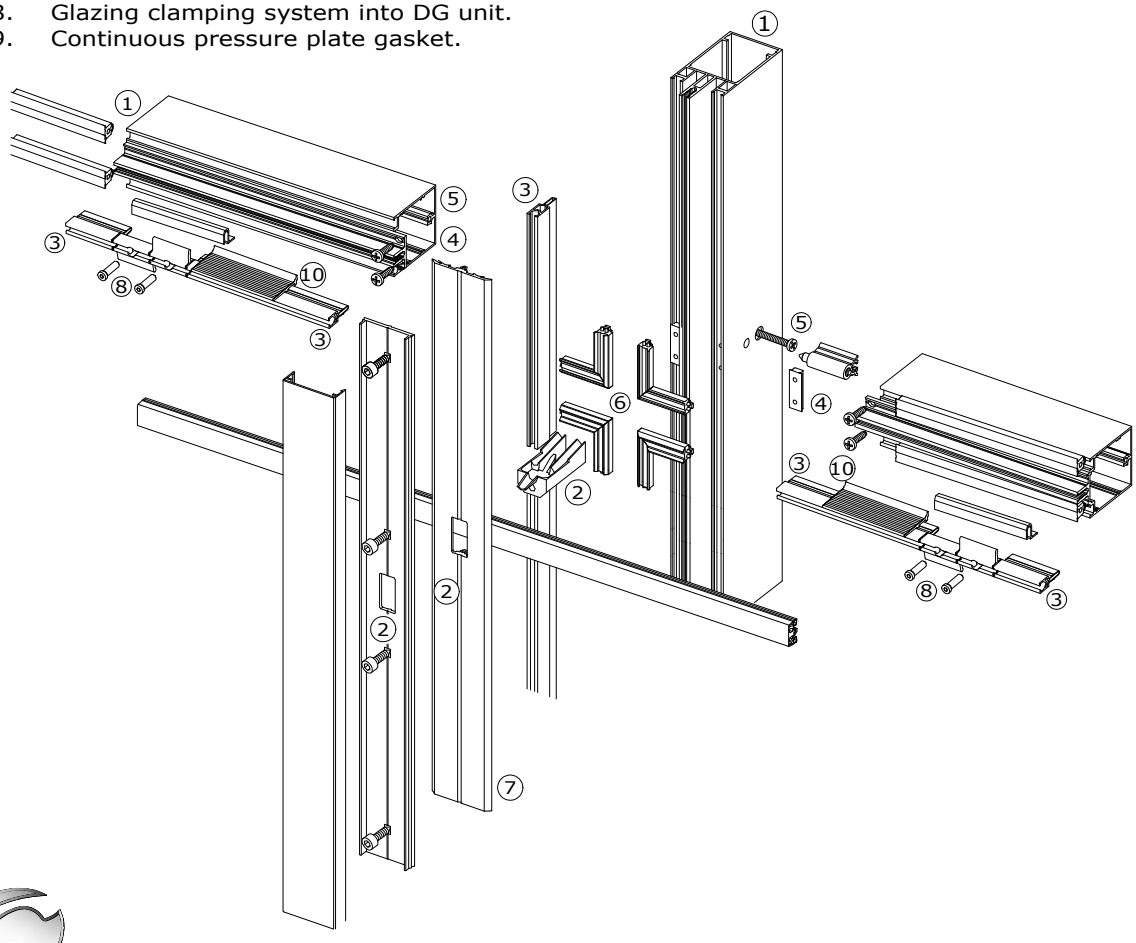




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Details:

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 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.



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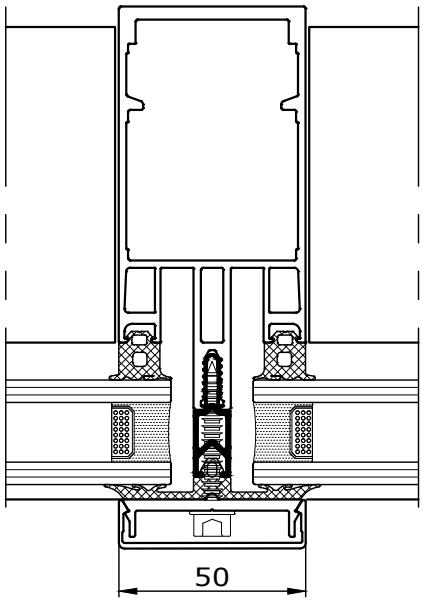
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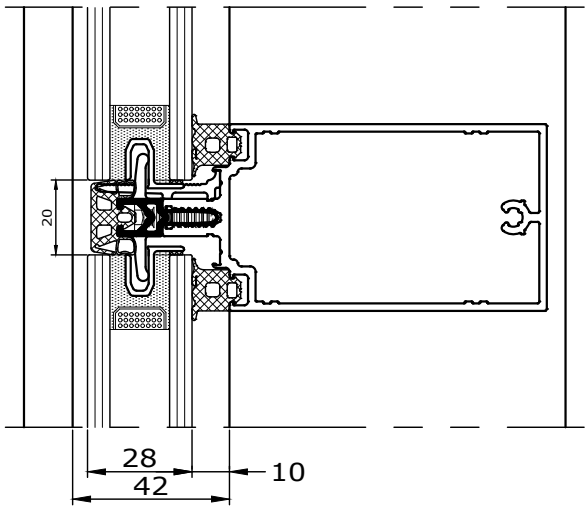
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Two sided structural glazing with vertical cover cap (2sided SGV)

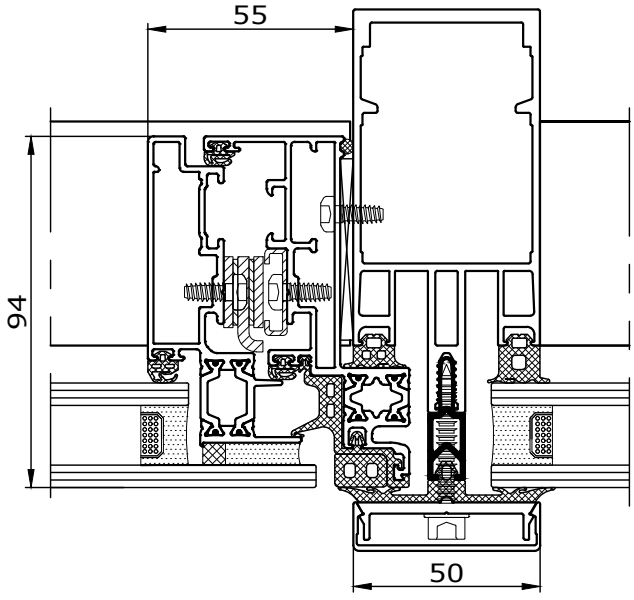
Vertical cover cap / Horizontal EPDM gasket or silicone sealant.

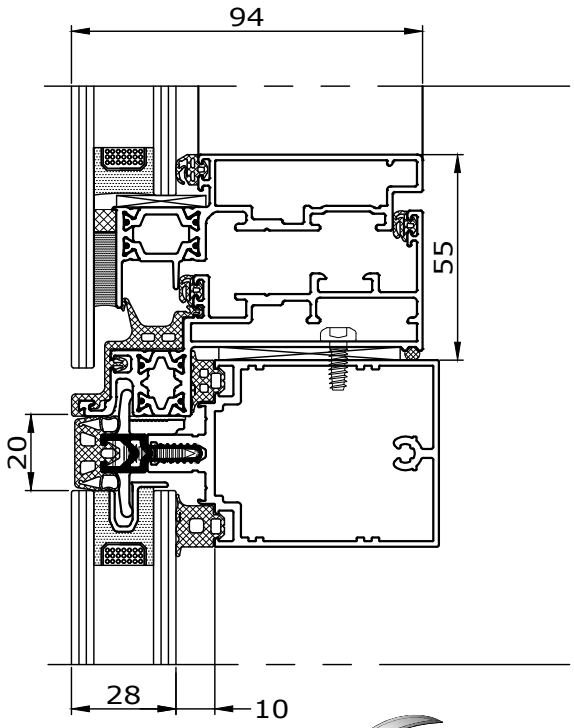




2.46

Including Comar 6EFT Concealed Vent





For concealed vent details, refer to section 8

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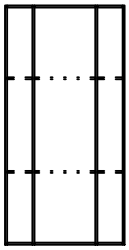
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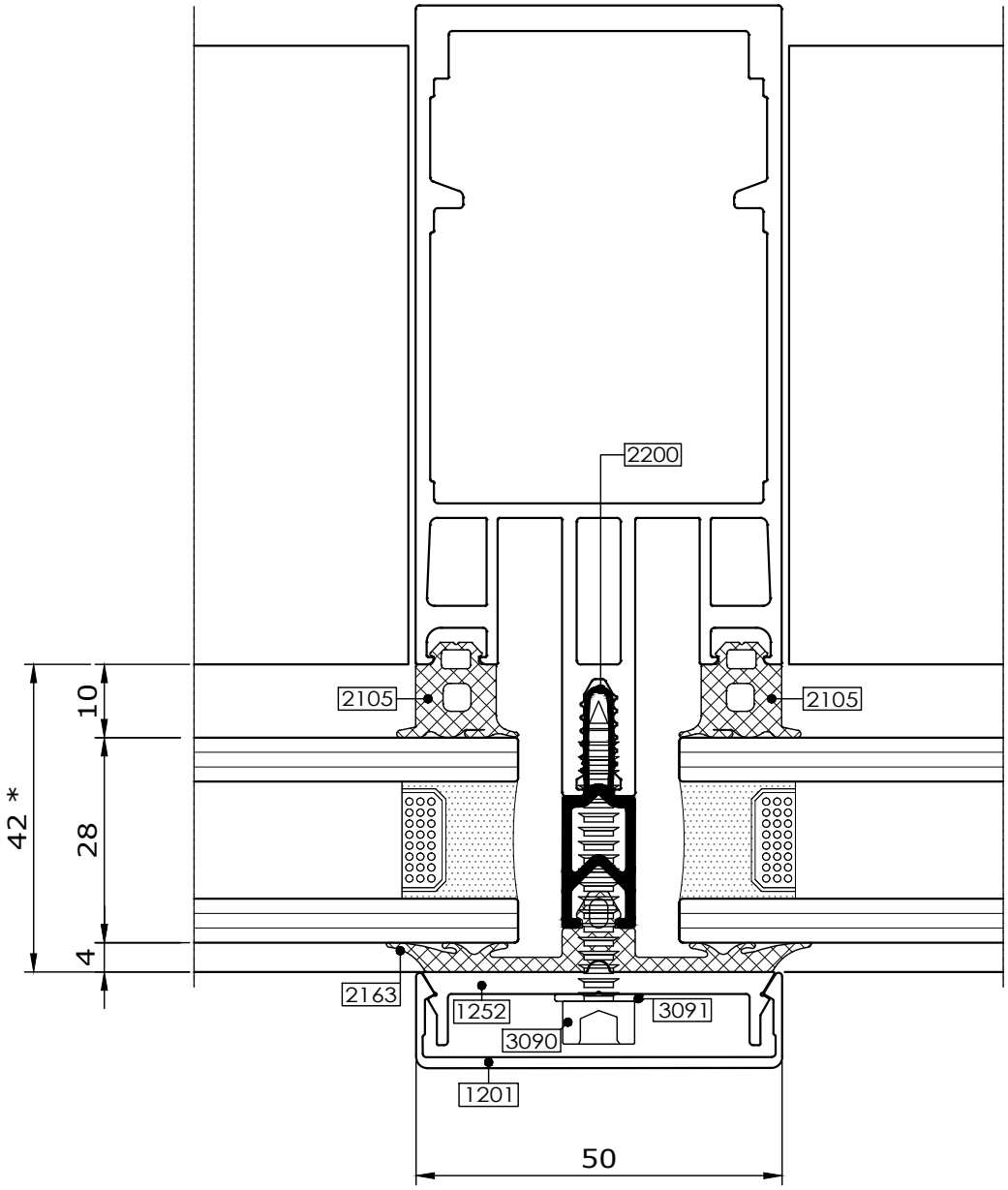
Typical details 2

Comar 6EFT

Mullion detail



2.47



* Refer to Glazing Chart for glazing options

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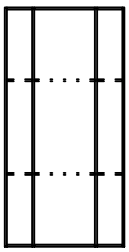
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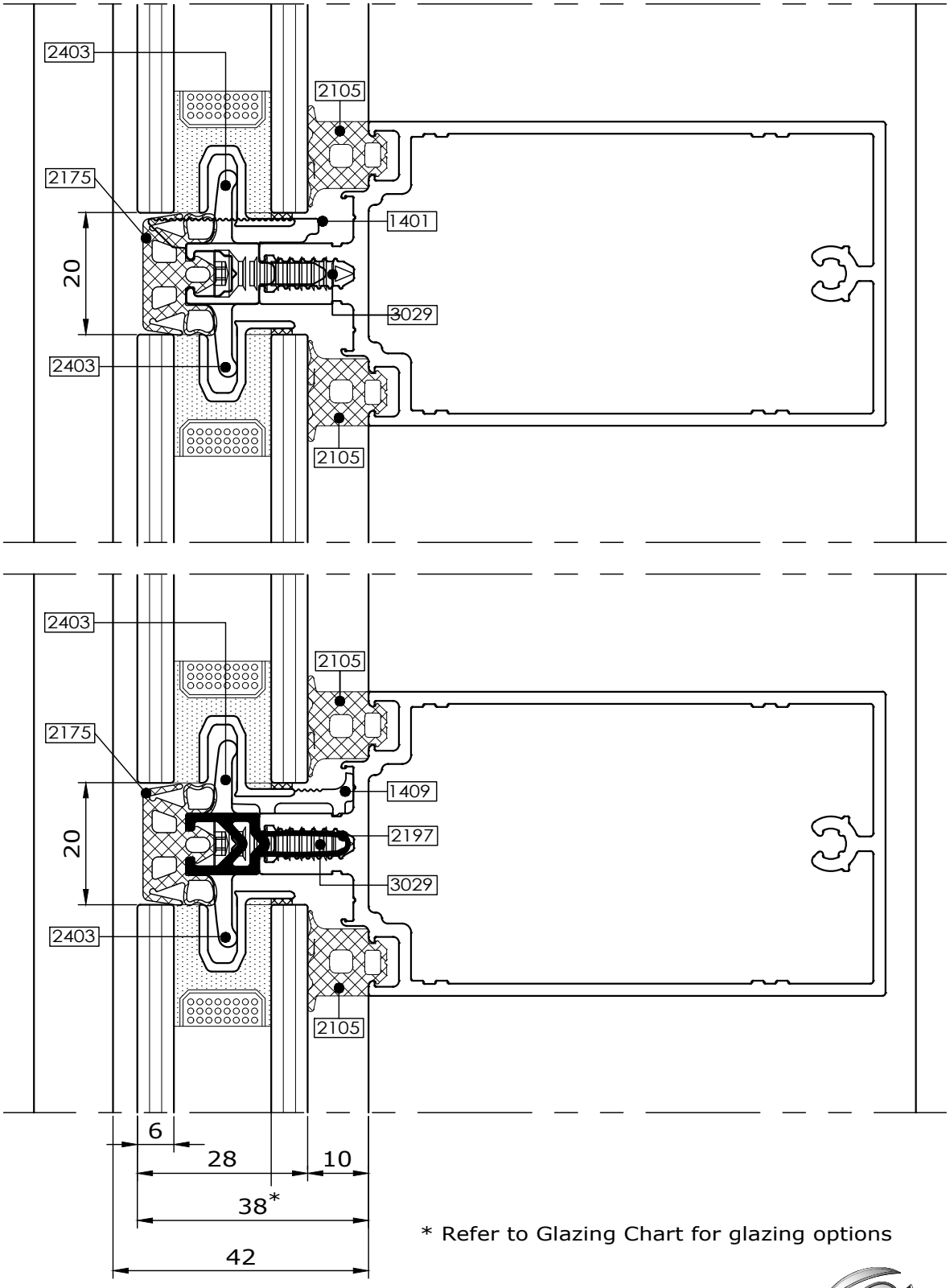
2 Typical details

Comar 6EFT

Transom detail
Gasket seal



2.48



* Refer to Glazing Chart for glazing options

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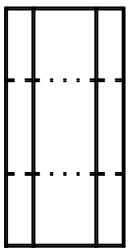
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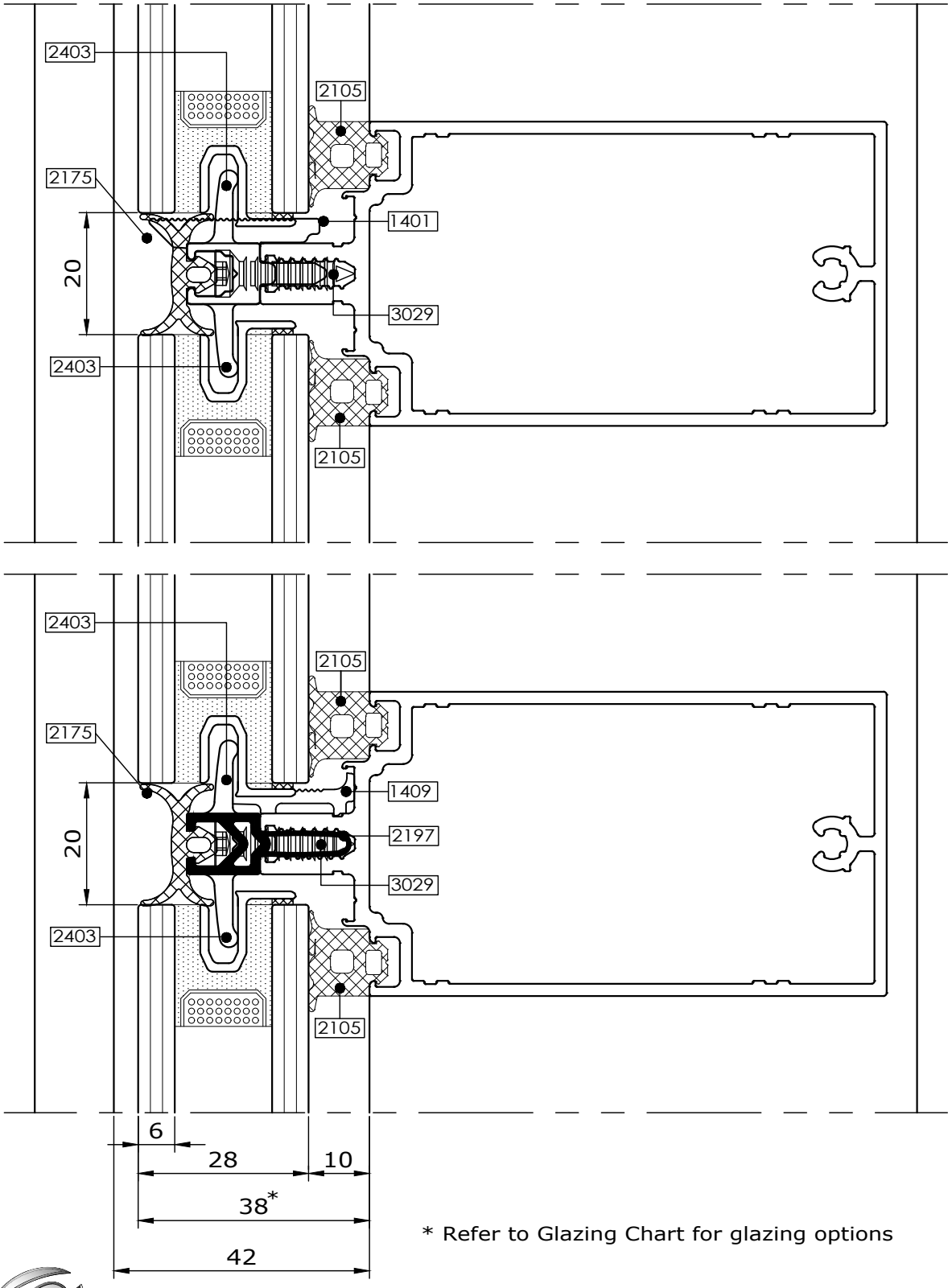
Typical details 2

Comar 6EFT

Transom detail
Gasket seal



2.49



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* Refer to Glazing Chart for glazing options

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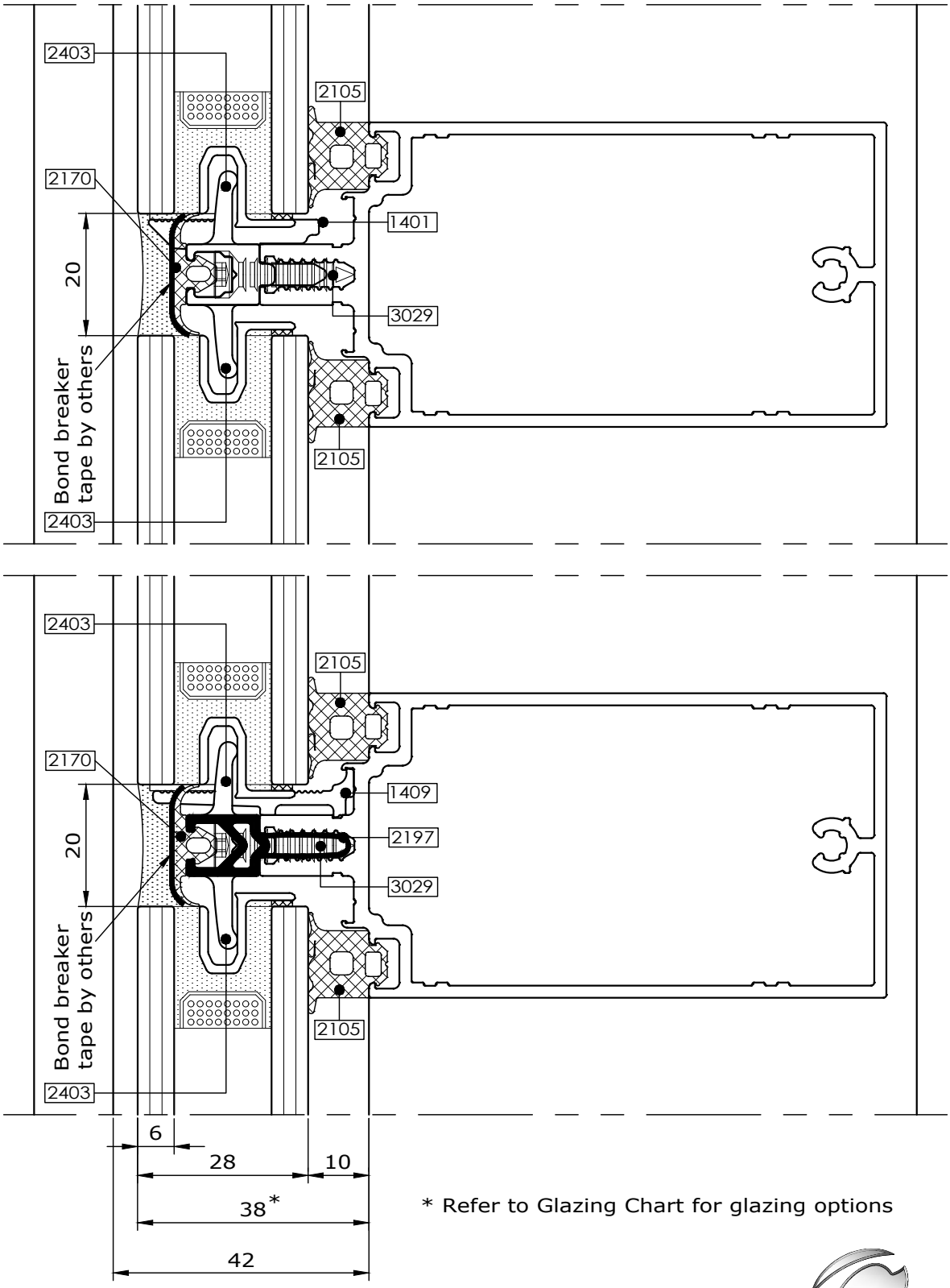
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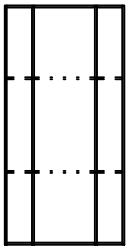
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2 Typical details

Comar 6EFT

Transom detail
Silicone seal





2.50

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* Refer to Glazing Chart for glazing options

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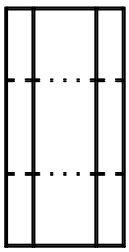
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Typical details 2

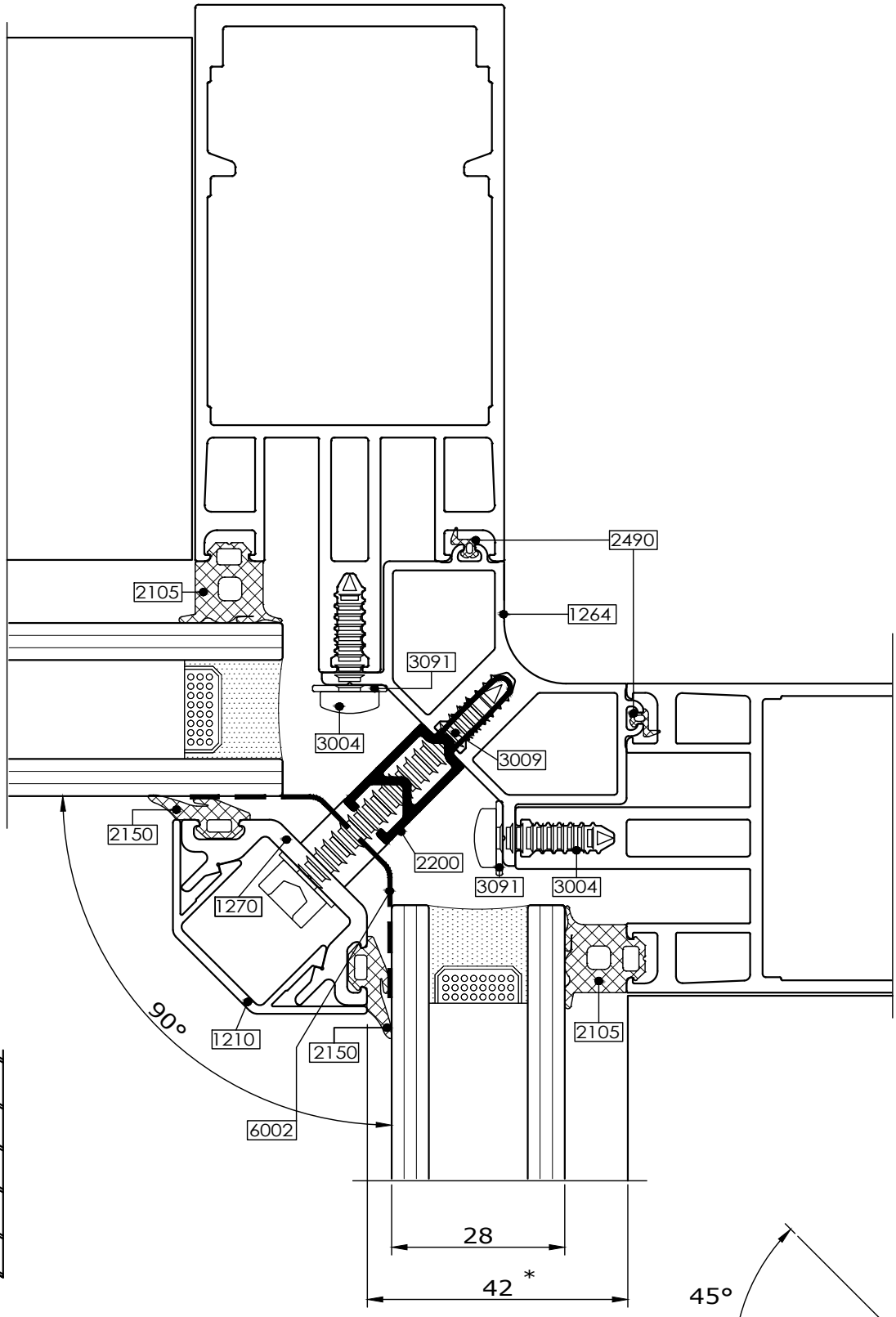
Comar 6EFT

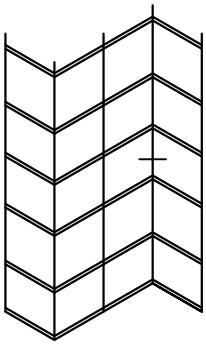
Mullion corner post



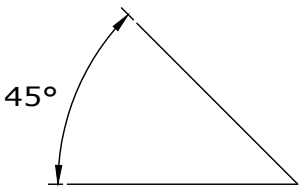
2.51

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* Refer to Glazing Chart for glazing options



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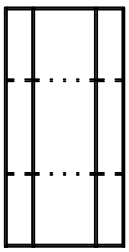
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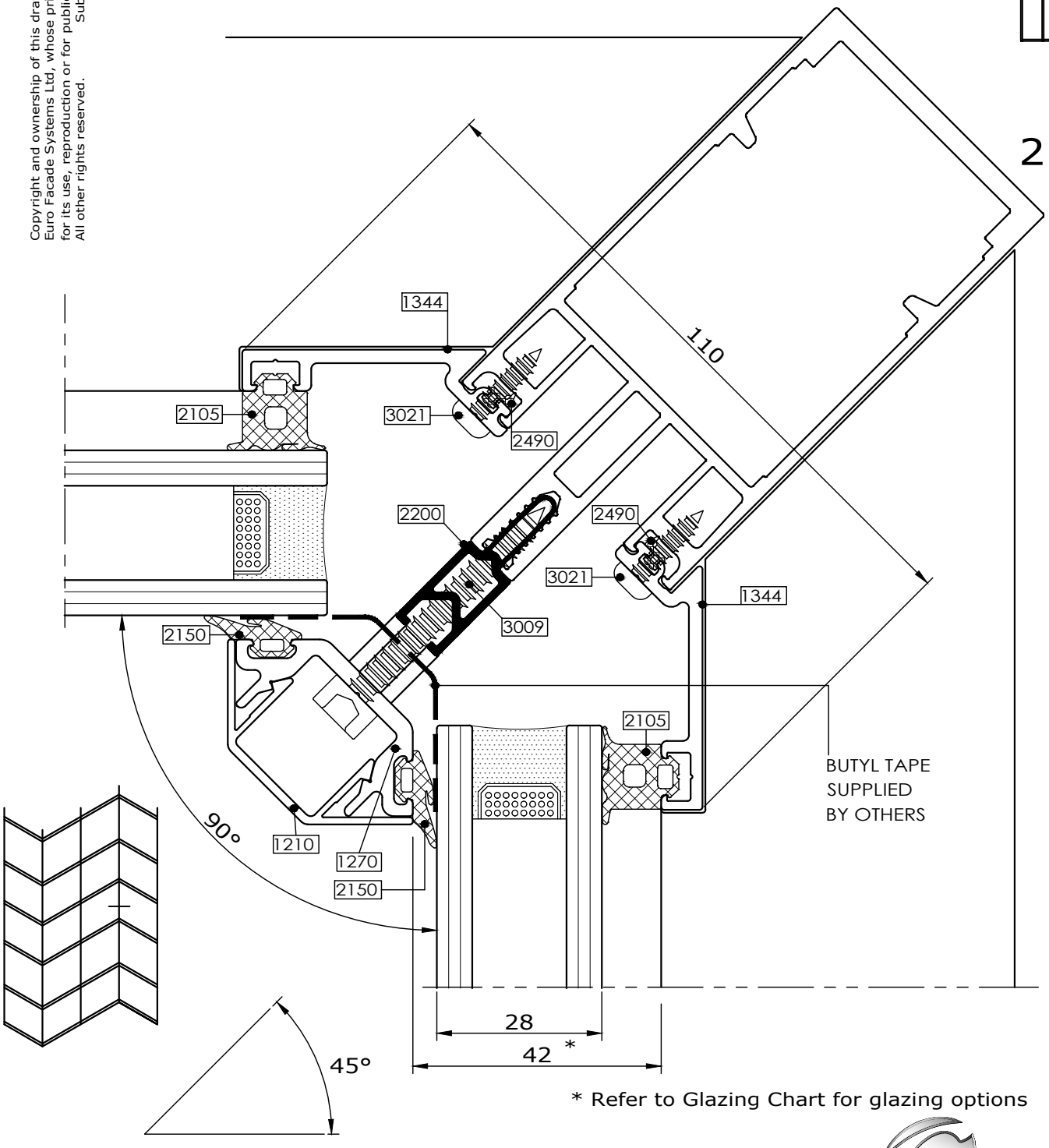
2 Typical details

Comar 6EFT

45° mullion corner post



2.52



Fabricators Guide

* Refer to Glazing Chart for glazing options

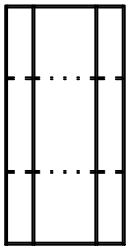
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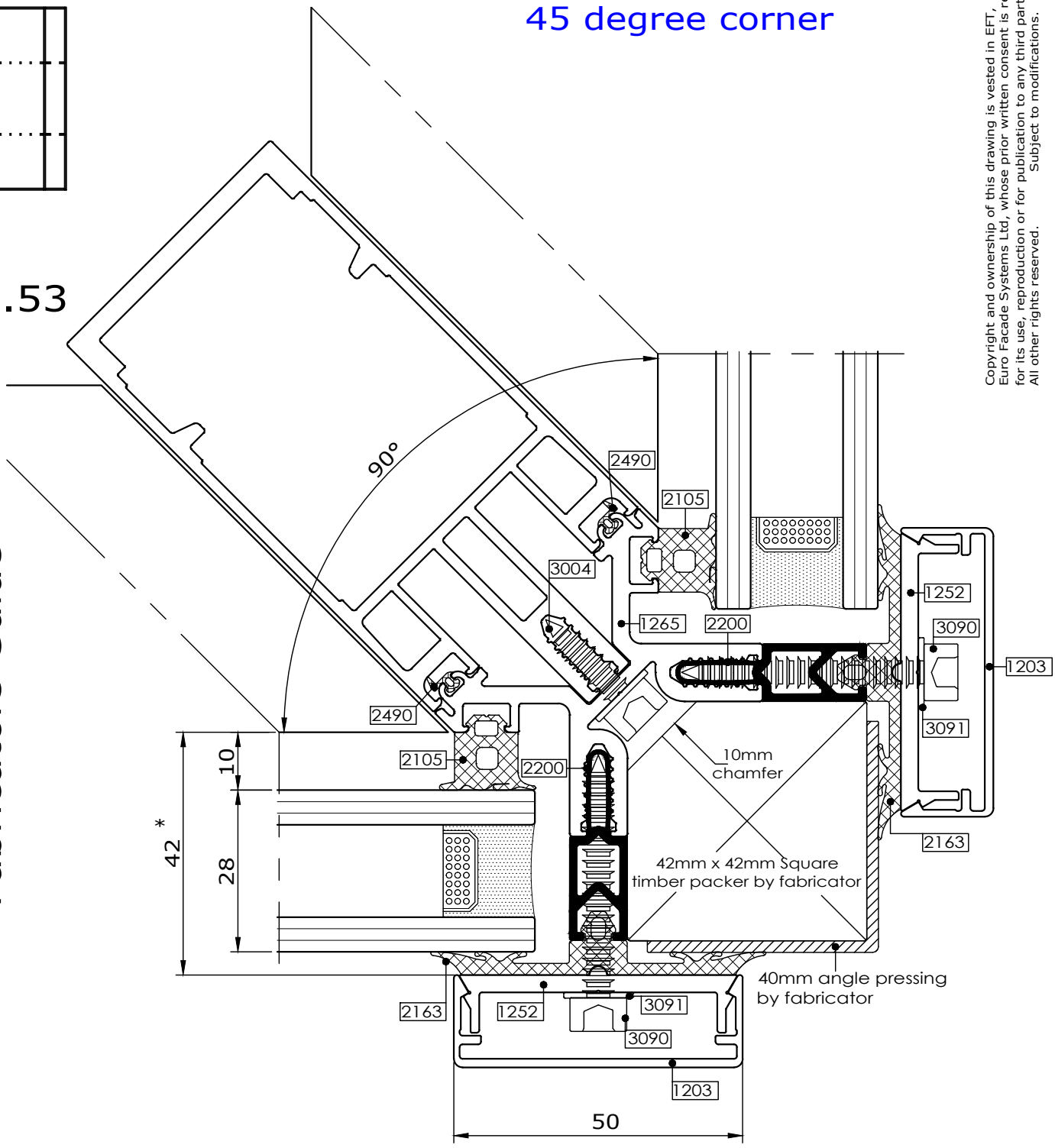
Comar 6EFT



Mullion detail
45 degree corner

2.53

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* Refer to Glazing Chart for glazing options

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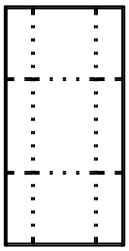
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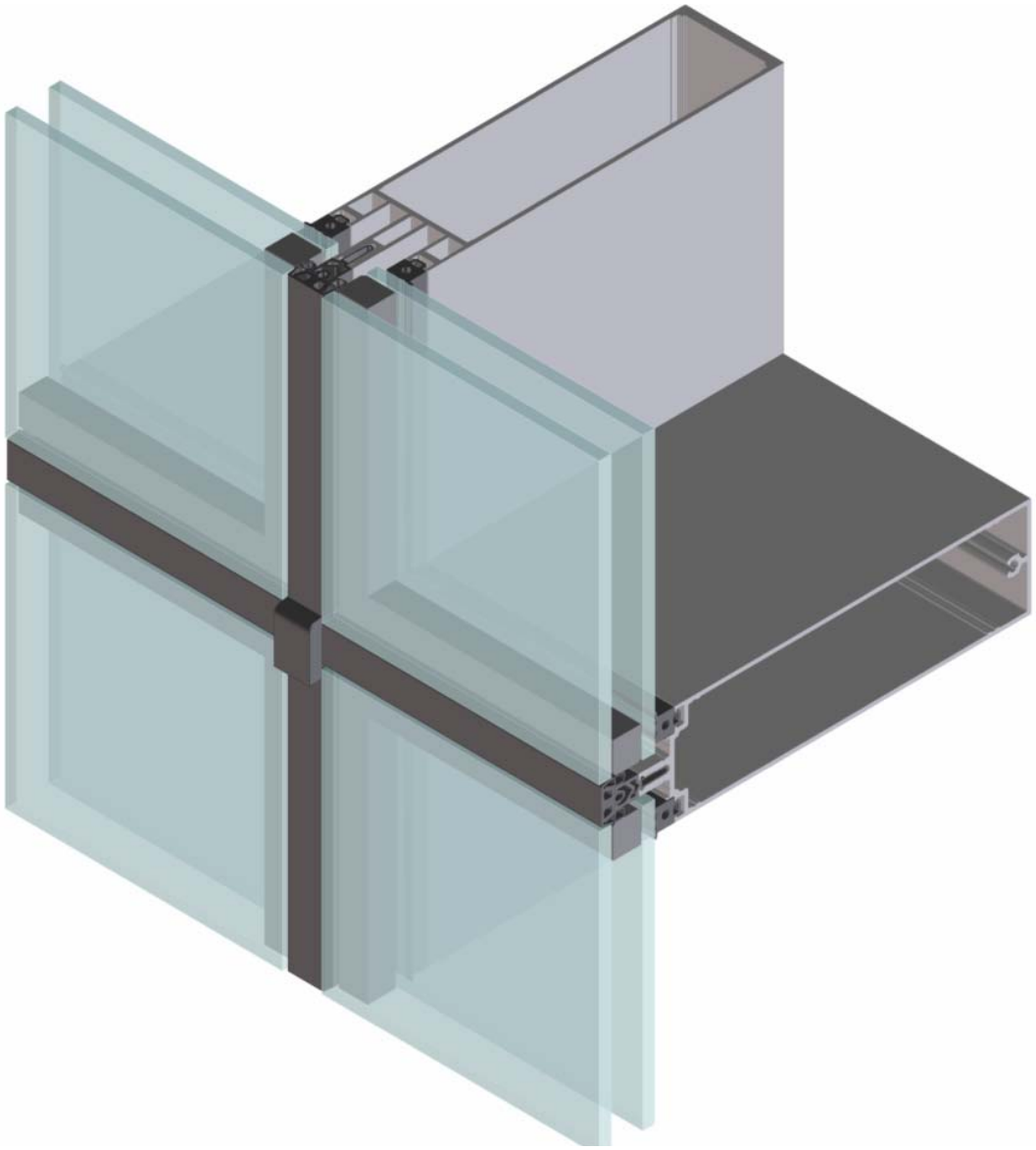
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2 Typical details

Comar 6EFT



4sided SG



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Introduction
Comar 6EFT 4Sided SG

Comar 6EFT 4Sided Structural Glazed Curtain Wall System enables the construction of curtain walling, with the benefits of slim sightlines.

This thermally insulated system consists of standard 50mm profiles, bespoke profiles are available upon request.

Specification Summary

Comar 6EFT 4sided structural glazing is a mullion drained, thermally broken curtain wall system, with standardised 50mm mullions and transoms.

The external vertical and horizontal sightline (joint seal) is 20mm.
The joint seal can be made of EPDM, compatible with most silicone sealants or this can be made out of silicone sealant.

Various cover caps are available for this system. The smallest sightline can be achieved using a 50 mm wide double chamfered cap to provide a visible front face of 16mm

Glazing
The system is externally glazed. Glazing should conform to the requirements of BS 6262 for thickness, type, wind resistance, safety and security.

Drainage
The system is mullion drained, achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262

Thermal Insulation
Class 2.1 in accordance with DIN 4108 (2.0-2.8 W/m^{2}K) or EN ISO 10077 - 1

The thermal transmittance (Uf) W/m^{2}K, is depending on the insulator strip, calculated as per EN ISO 10077 - 1.
Comparable with class 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Dependant on the glass specification, generally the curtain wall framing reduces the figure by 2dB (A).

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying to the requirements of BS 1474.
The thermal barrier system is achieved by means of PVC/PP extrusion

Construction
Any instructions regarding the manuufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made of EPDM conforming to BS 4255 Part 1

Performance / exposure category
The system will achieve the following criteria when manufactured, installed and glazed to EFT recommended procedures, in accordance with CWCT approved testing methods.

Classification

Air permeability:	BS EN 12152 - Class AE 750
Water tightness:	BS EN 12154 - Class RE 750
Wind resistance:	BS EN 13116 - 2400 Pa design - 3600 Pa safety

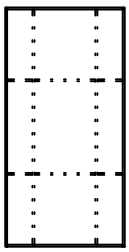
2400Pa (Pascal's) is dependant upon correct mullion and transom selection to suit span and spacing by project.

Size limitations
The size limitations of the system depends mainly on the hardware used. Please refer to Comar's Technical Office for advise.

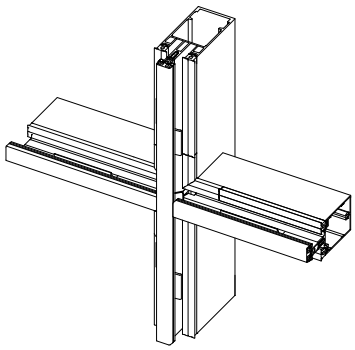
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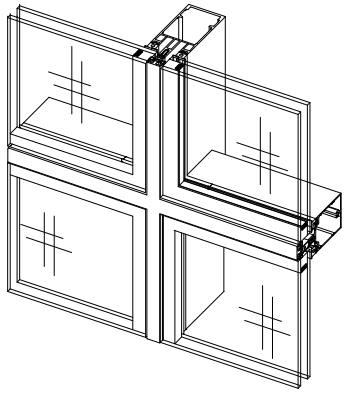
Typical details 2

Comar 6EFT



Typical Exploded Detail Four Sided Structural EFT (4sided SG)



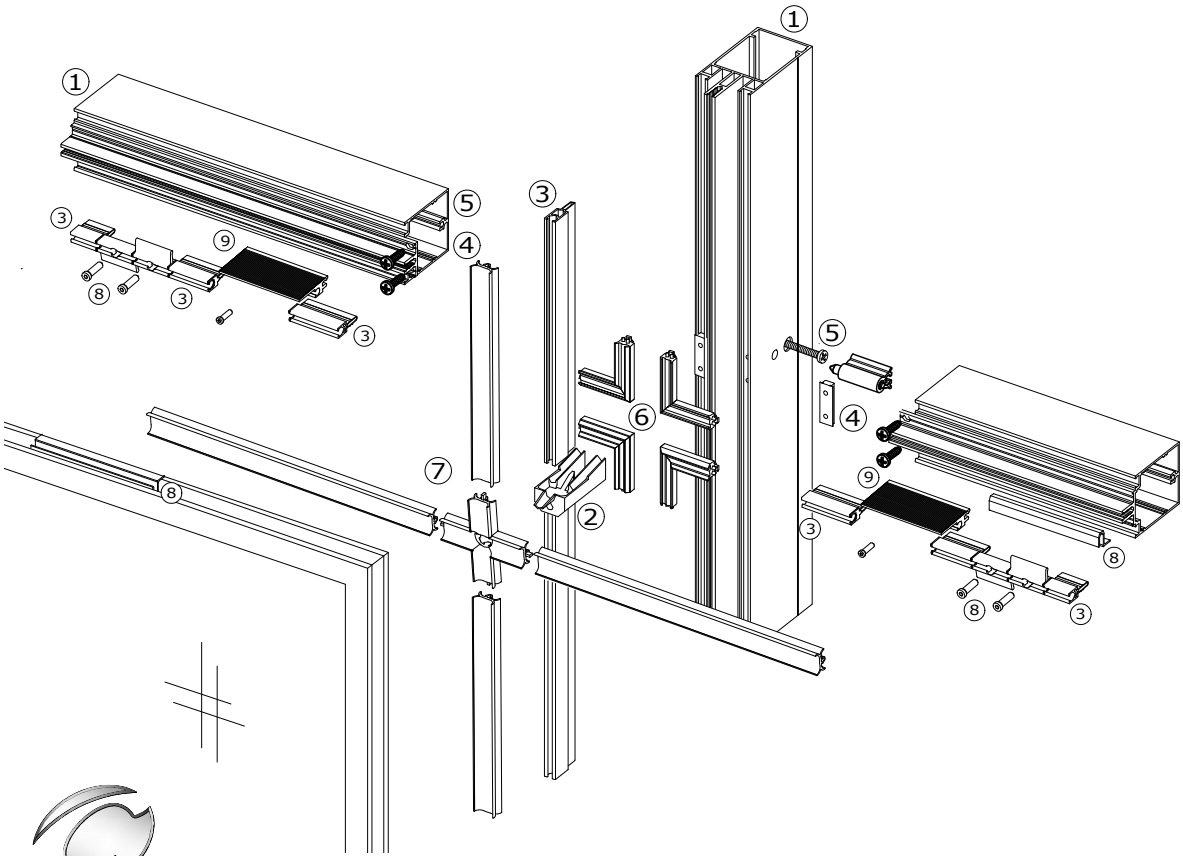


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Details:

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

Fabrications Guide



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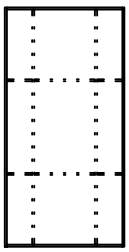
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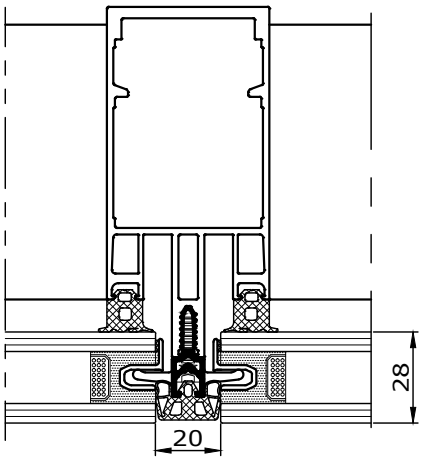
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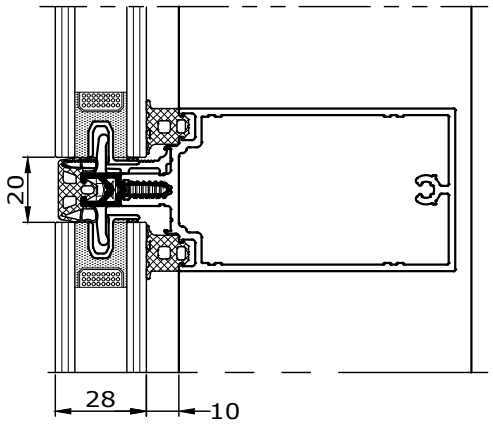
Four sided structural glazing (4sided SG)

Comar 6EFT

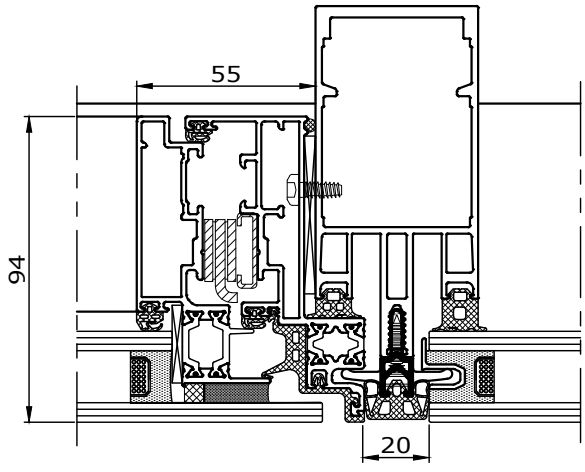


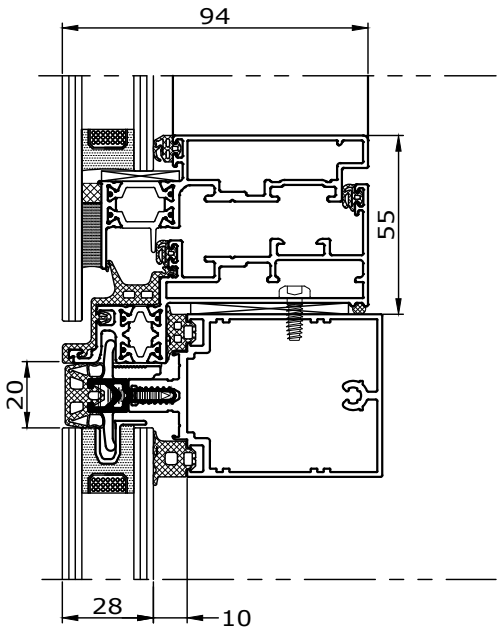
2.56





Including Comar 6EFT Concealed Vent





For concealed vent details, refer to section 8

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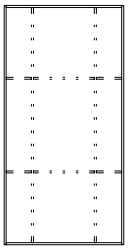
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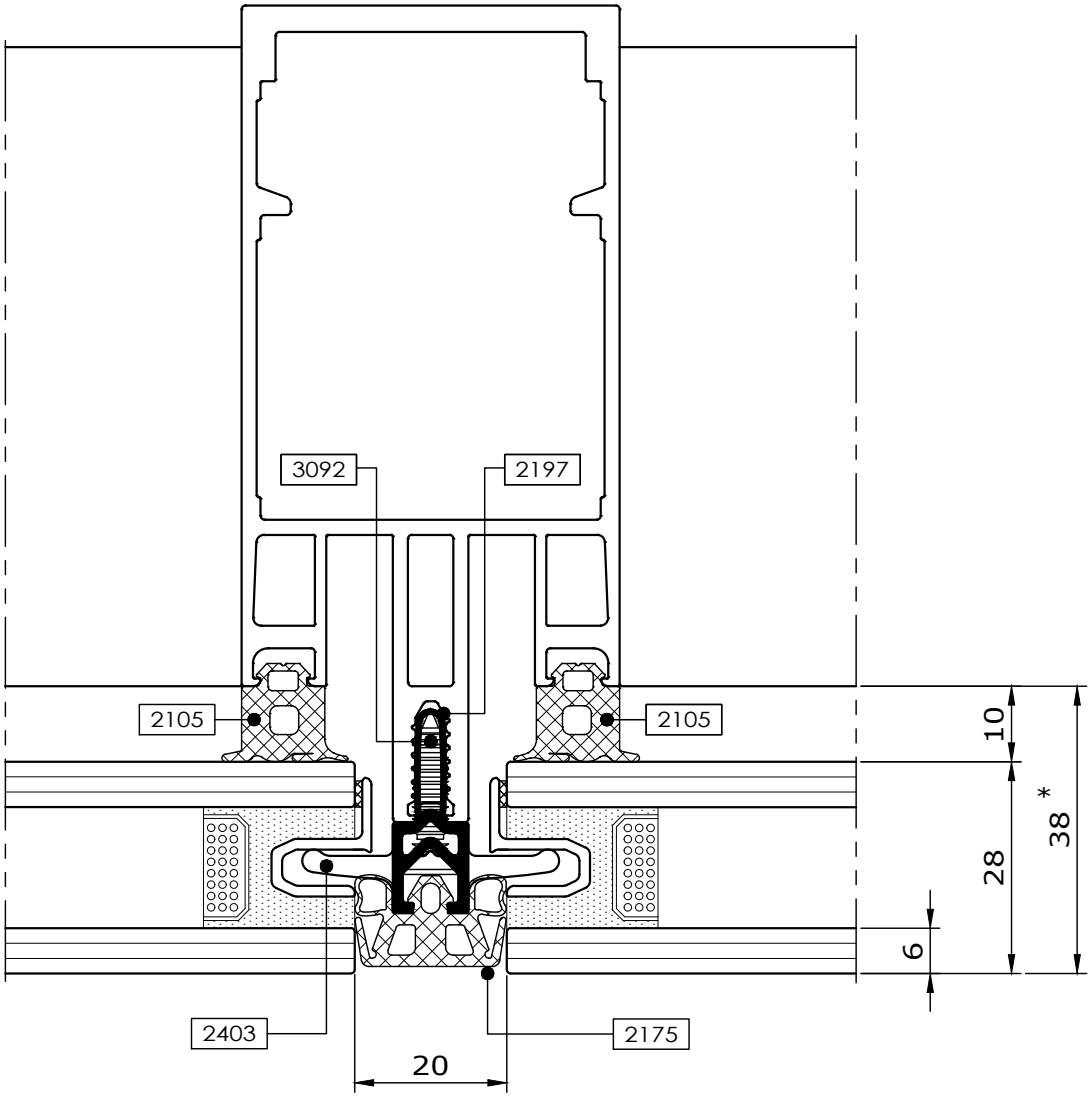
Typical details 2

Comar 6EFT

Mullion detail
EPDM gasket seal



2.57



* Refer to Glazing Chart for glazing options

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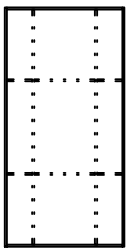
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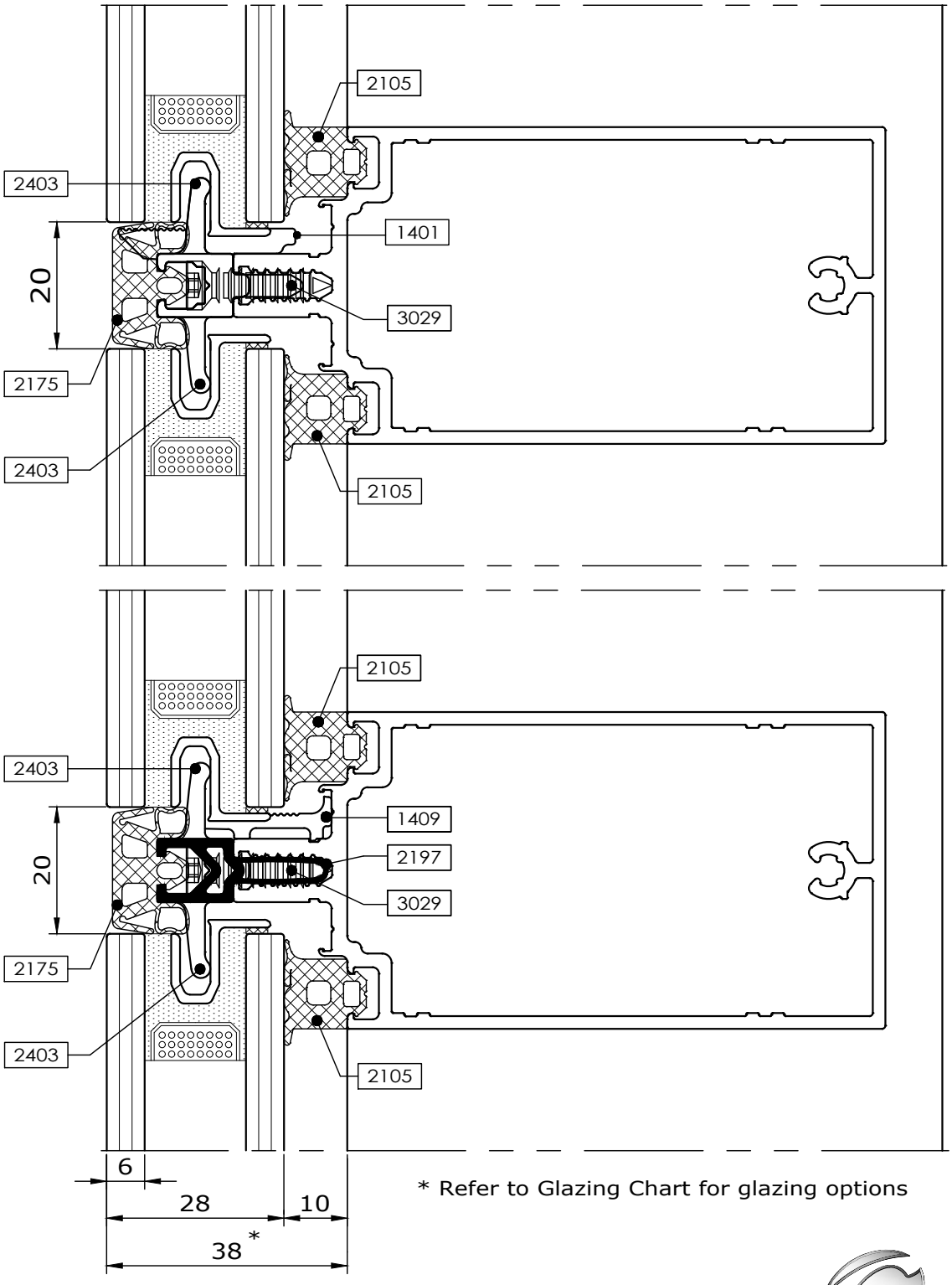
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Comar 6EFT

Transom detail
EPDM gasket seal



2.58



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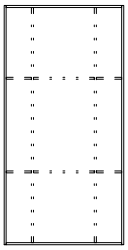
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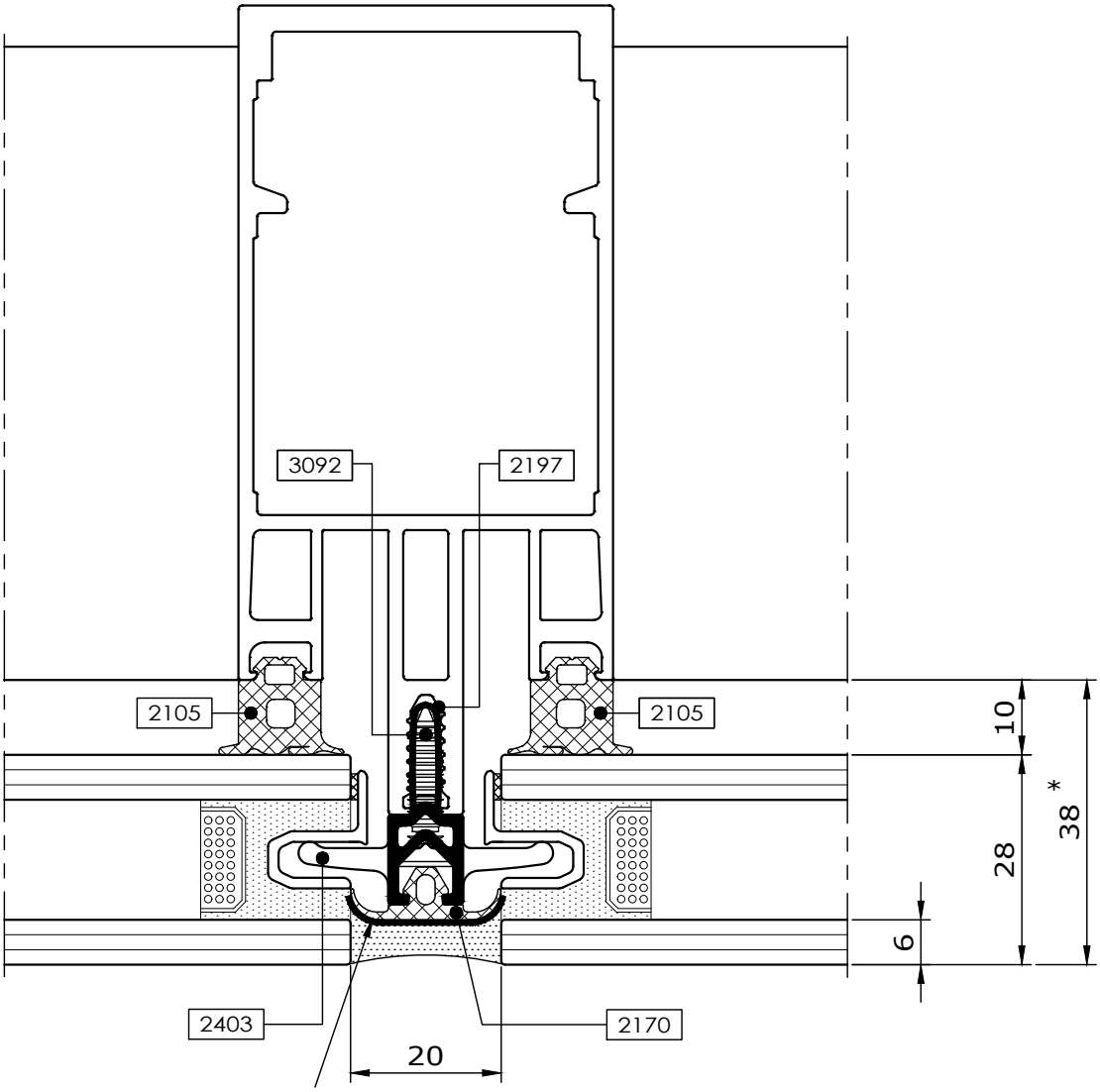
Comar 6EFT

Mullion detail
Silicone seal



2.59

Fabricators Guide



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

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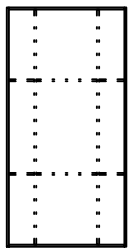
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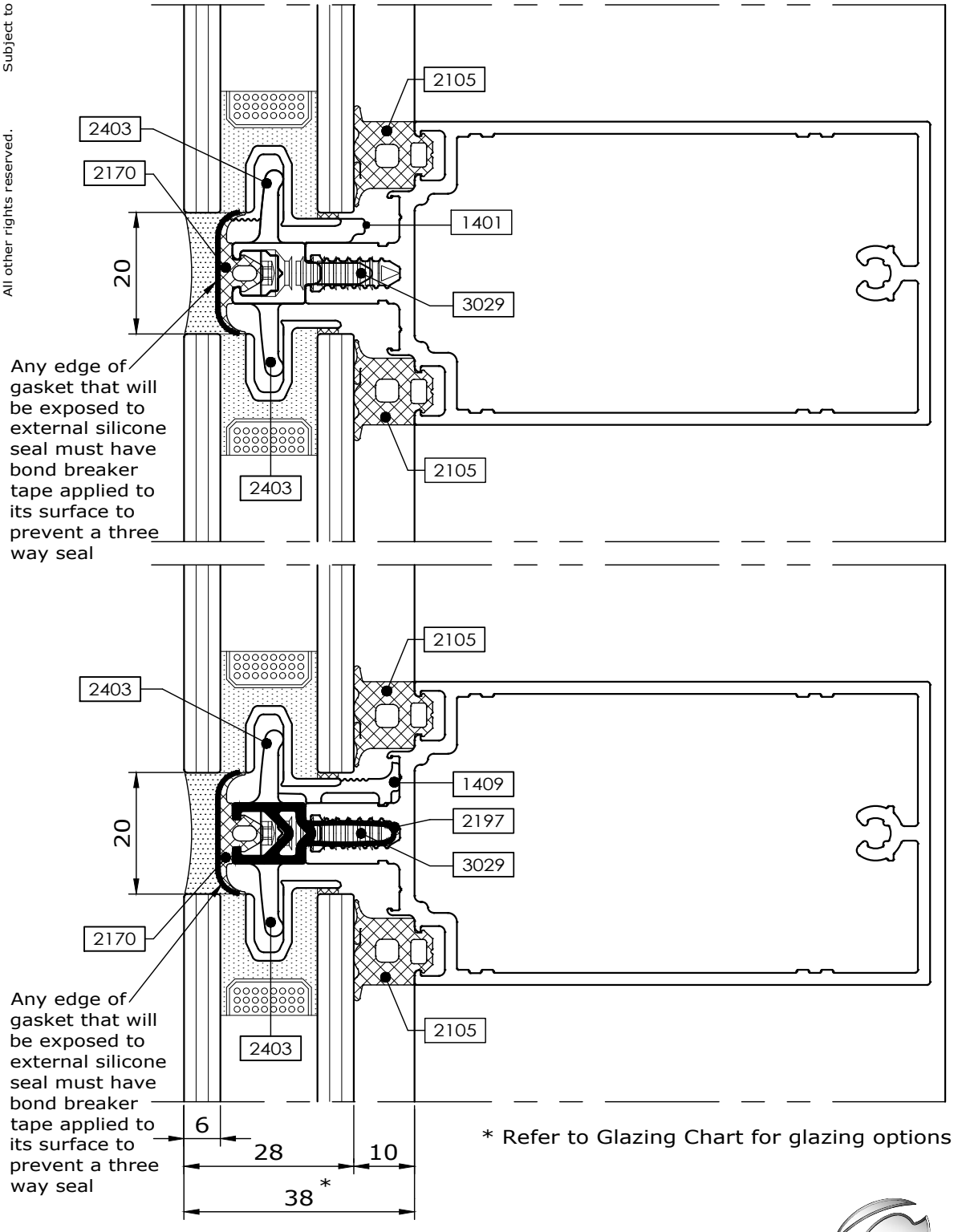
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Comar 6EFT

Transom detail Silicone seal



2.60



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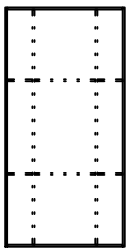
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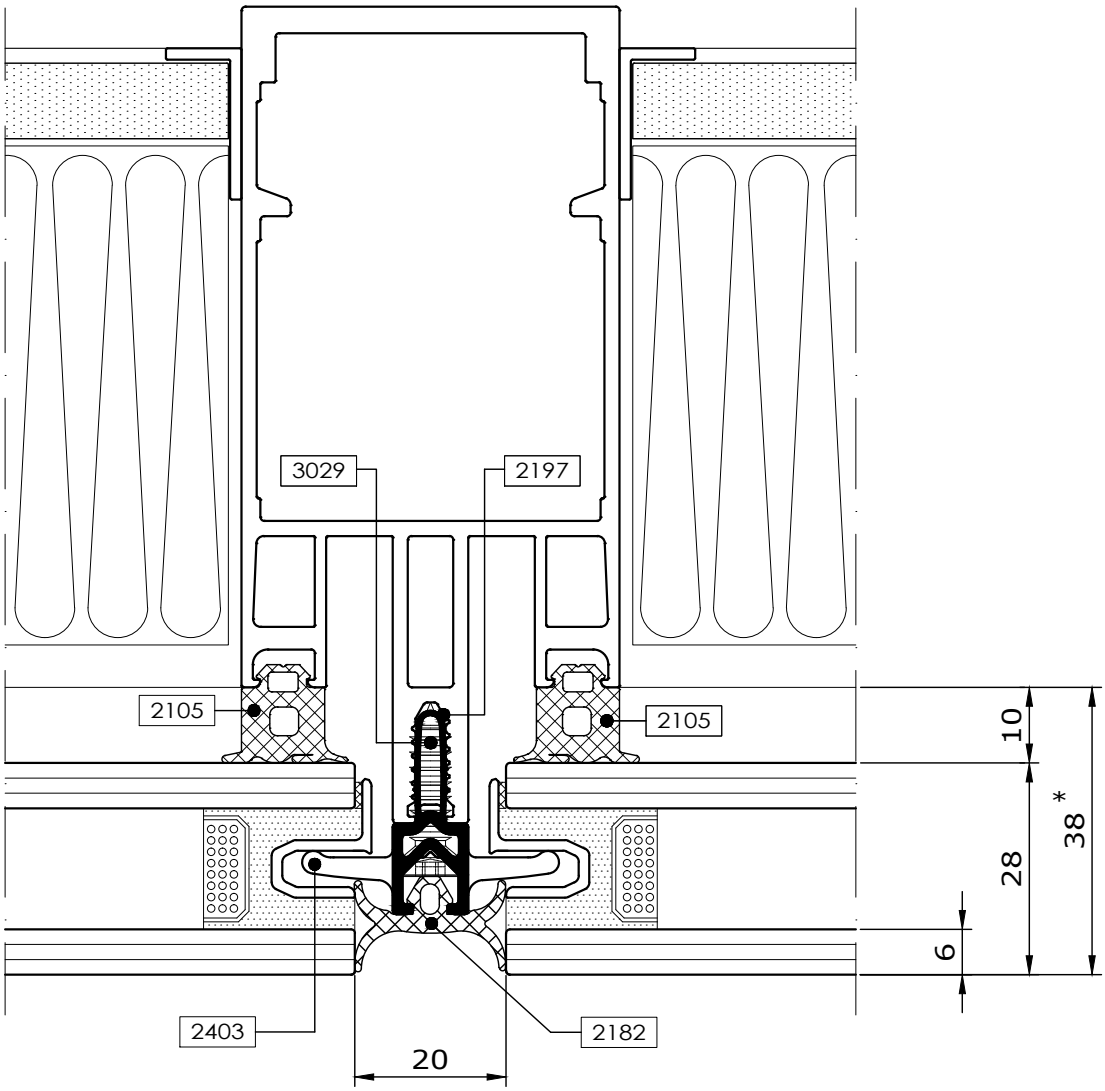
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Mullion detail
EPDM gasket seal

2.61

Fabricators Guide



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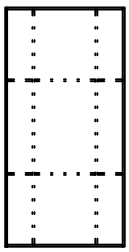
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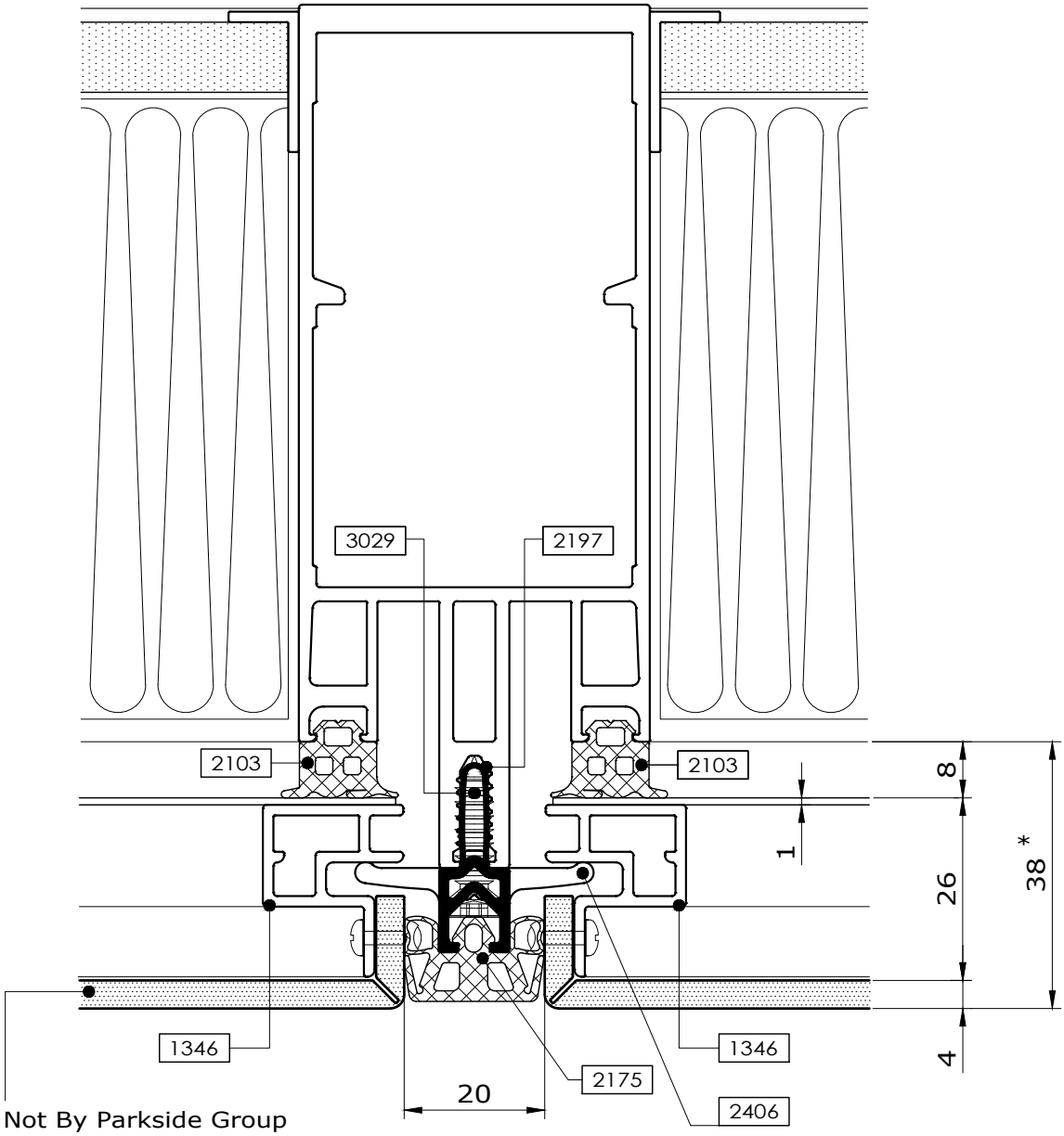
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Mullion detail
Panel frame 1346



2.63



Not By Parkside Group

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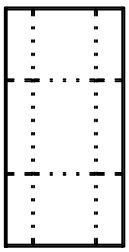
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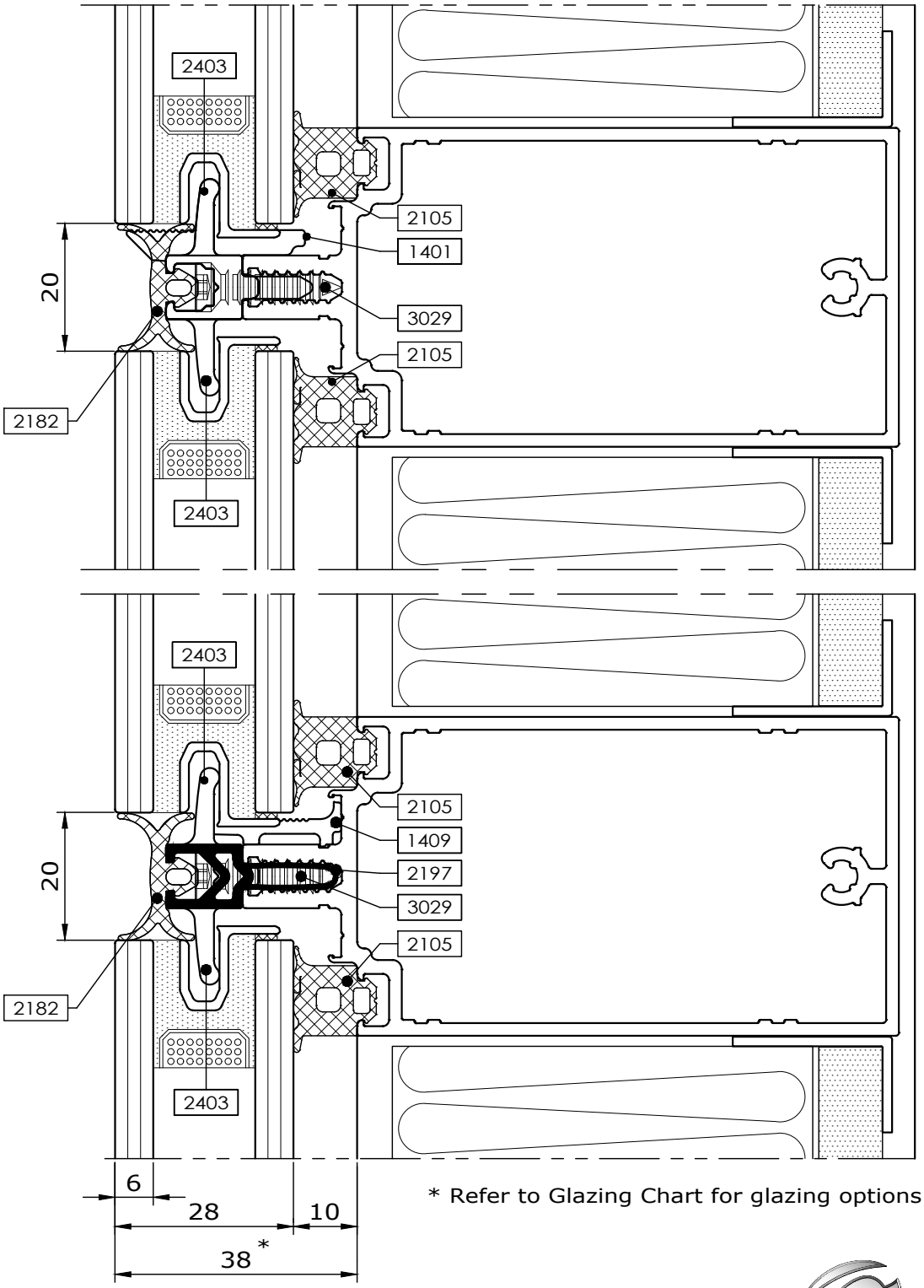
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Transom detail



2.62



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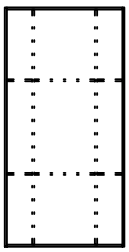
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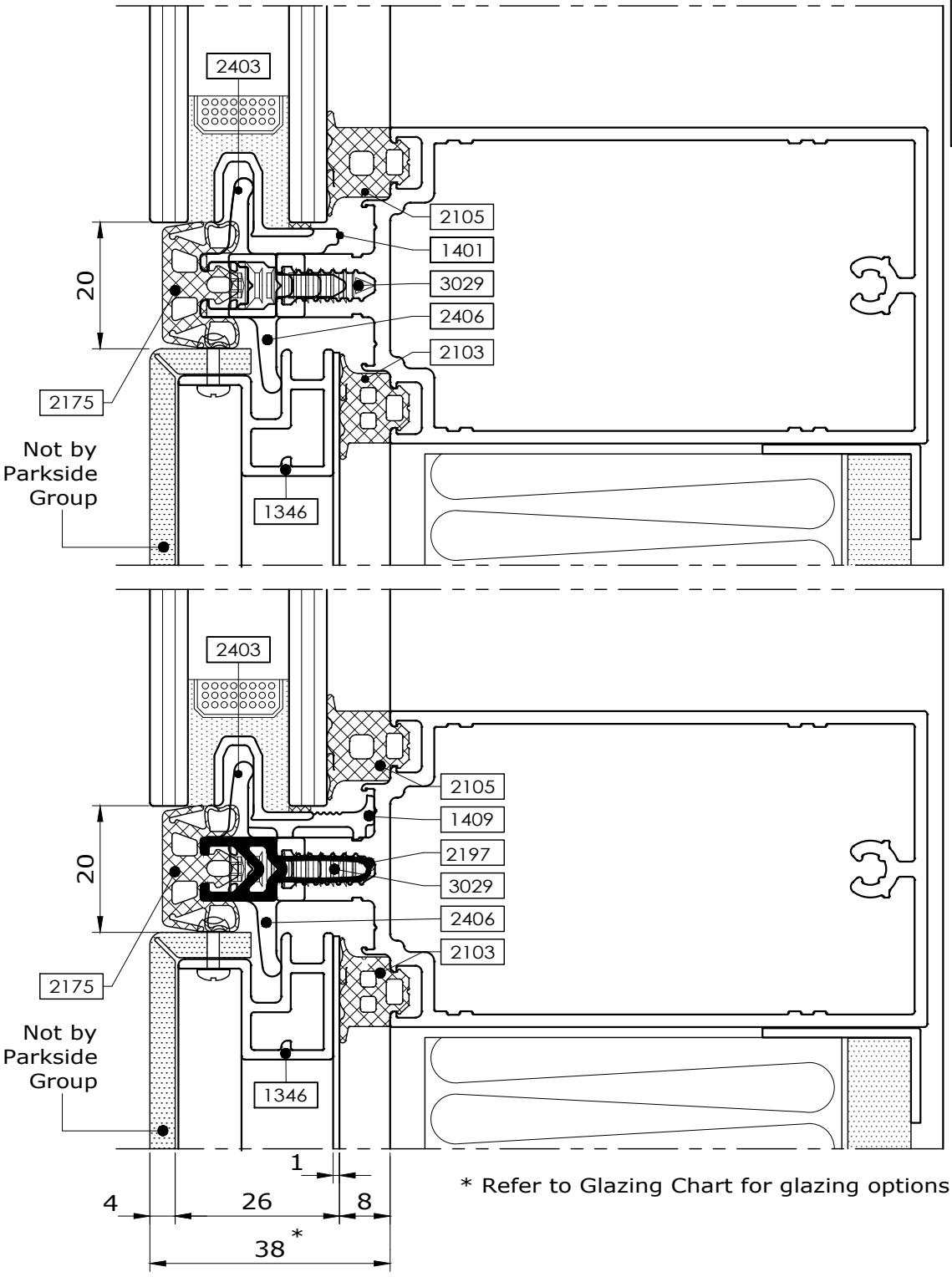
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Transom detail 1346

Comar 6EFT



2.64



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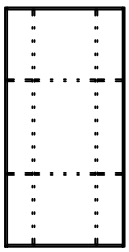
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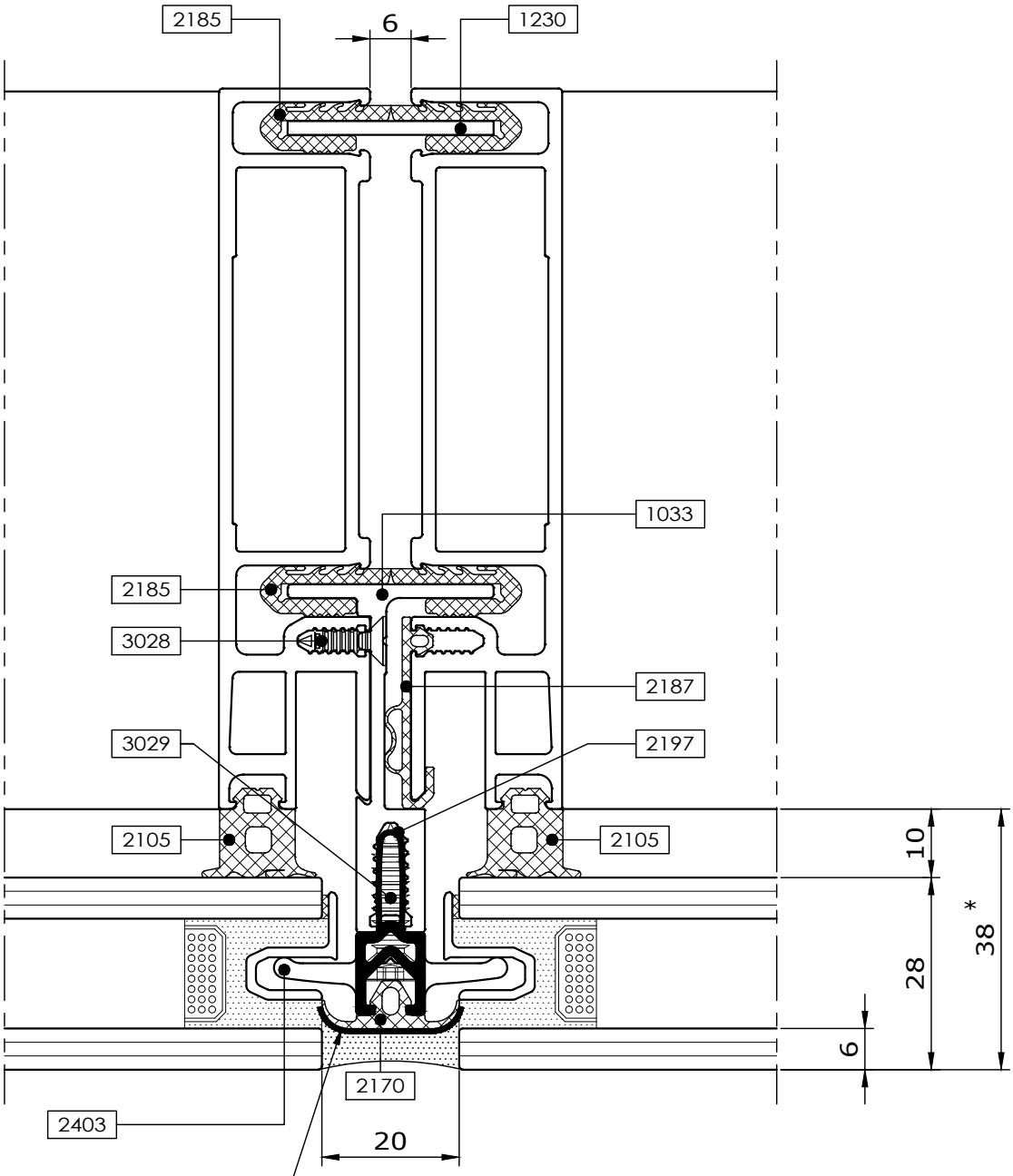
Comar 6EFT

Split mullion detail
Silicone seal



2.65

Fabricators Guide



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

* Refer to Glazing Chart for glazing options

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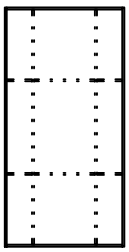
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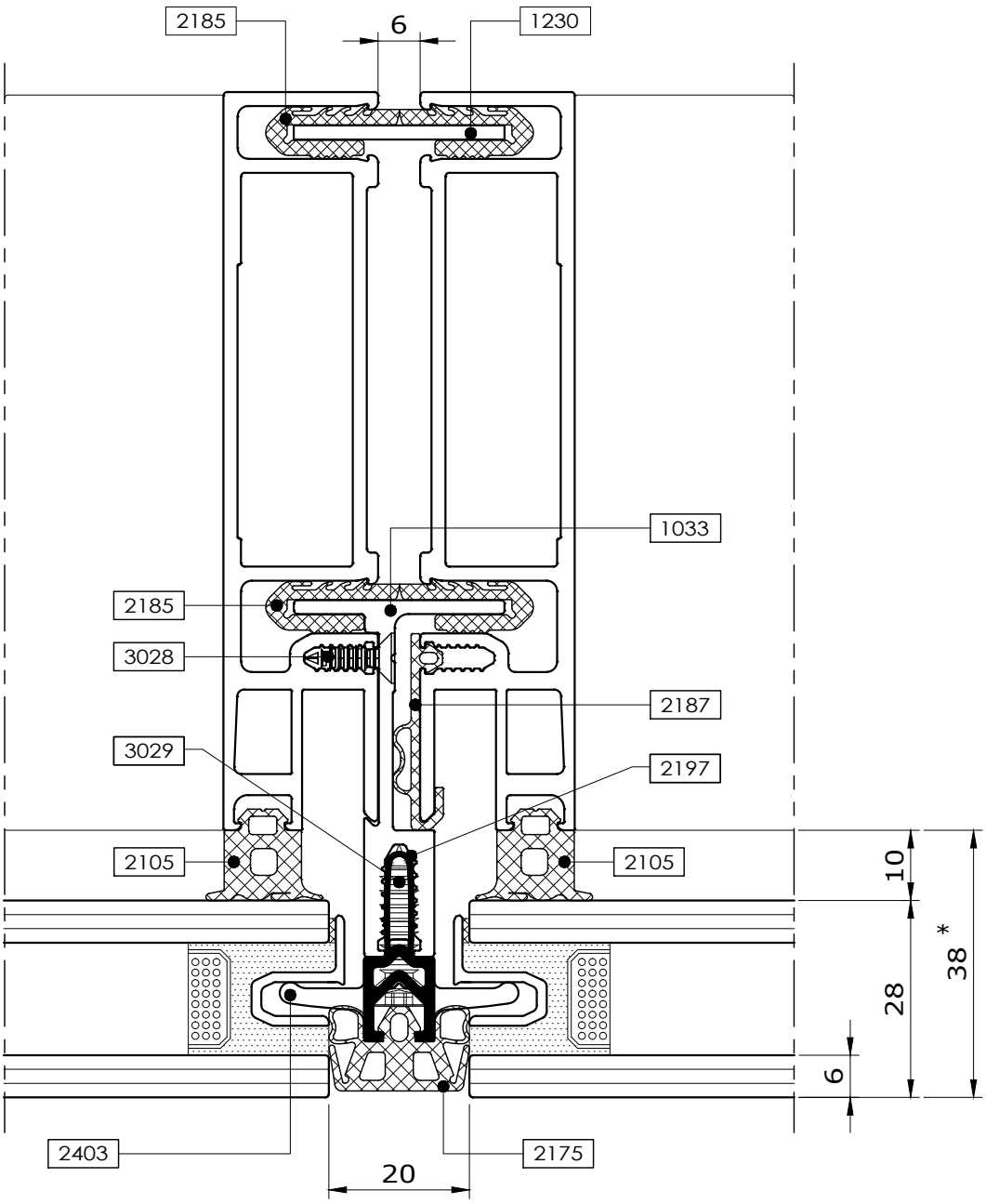
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Split mullion details
EPDM gasket seal



2.66



* Refer to Glazing Chart for glazing options

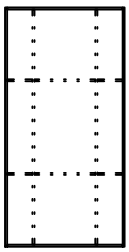
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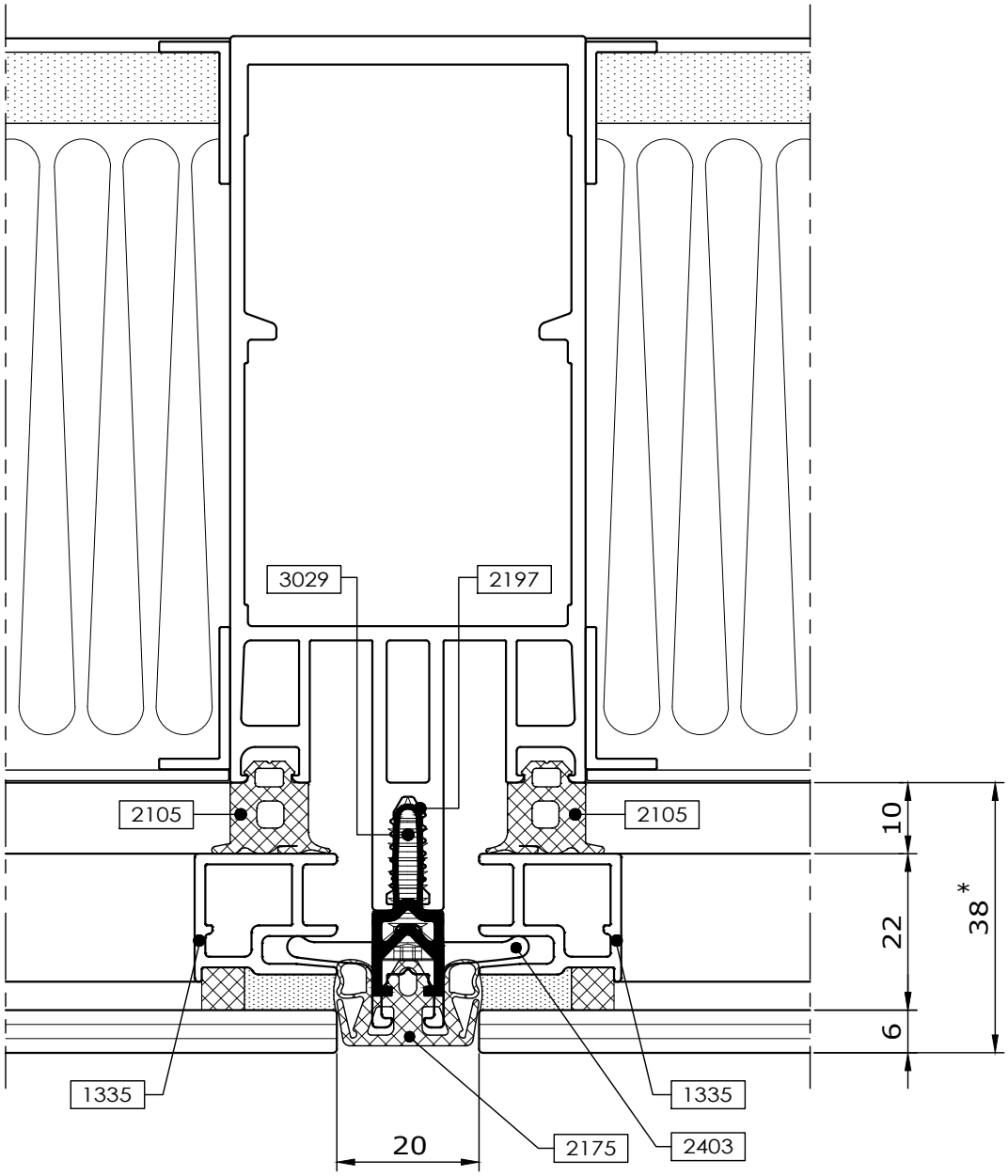
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Mullion detail
Single Glazed
EPDM Gasket seal

2.67

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* Refer to Glazing Chart for glazing options

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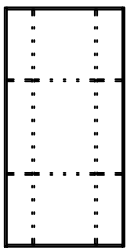
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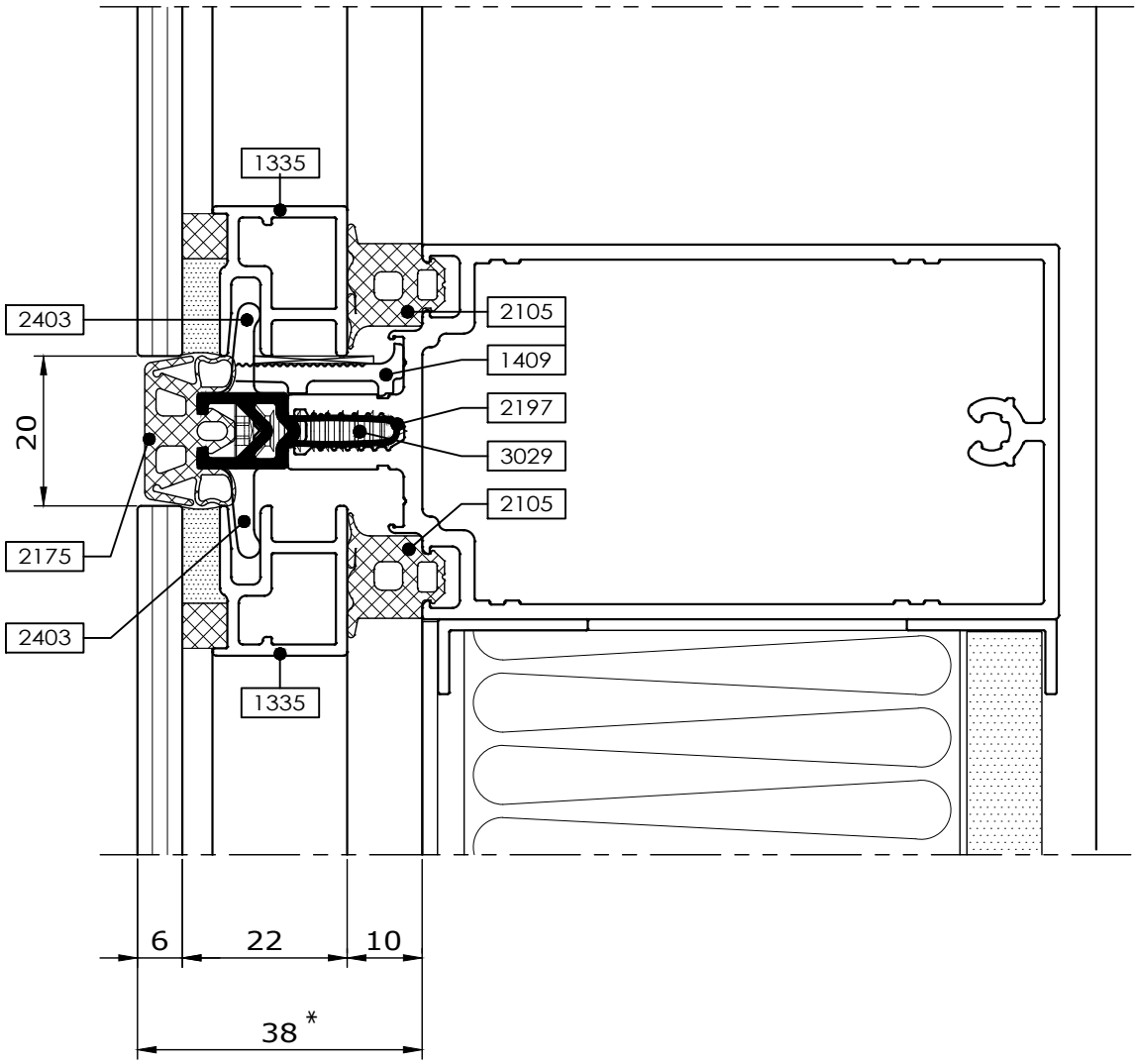
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Transom detail
Single glazed
EPDM gasket seal



2.68



* Refer to Glazing Chart for glazing options

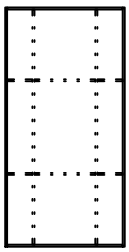
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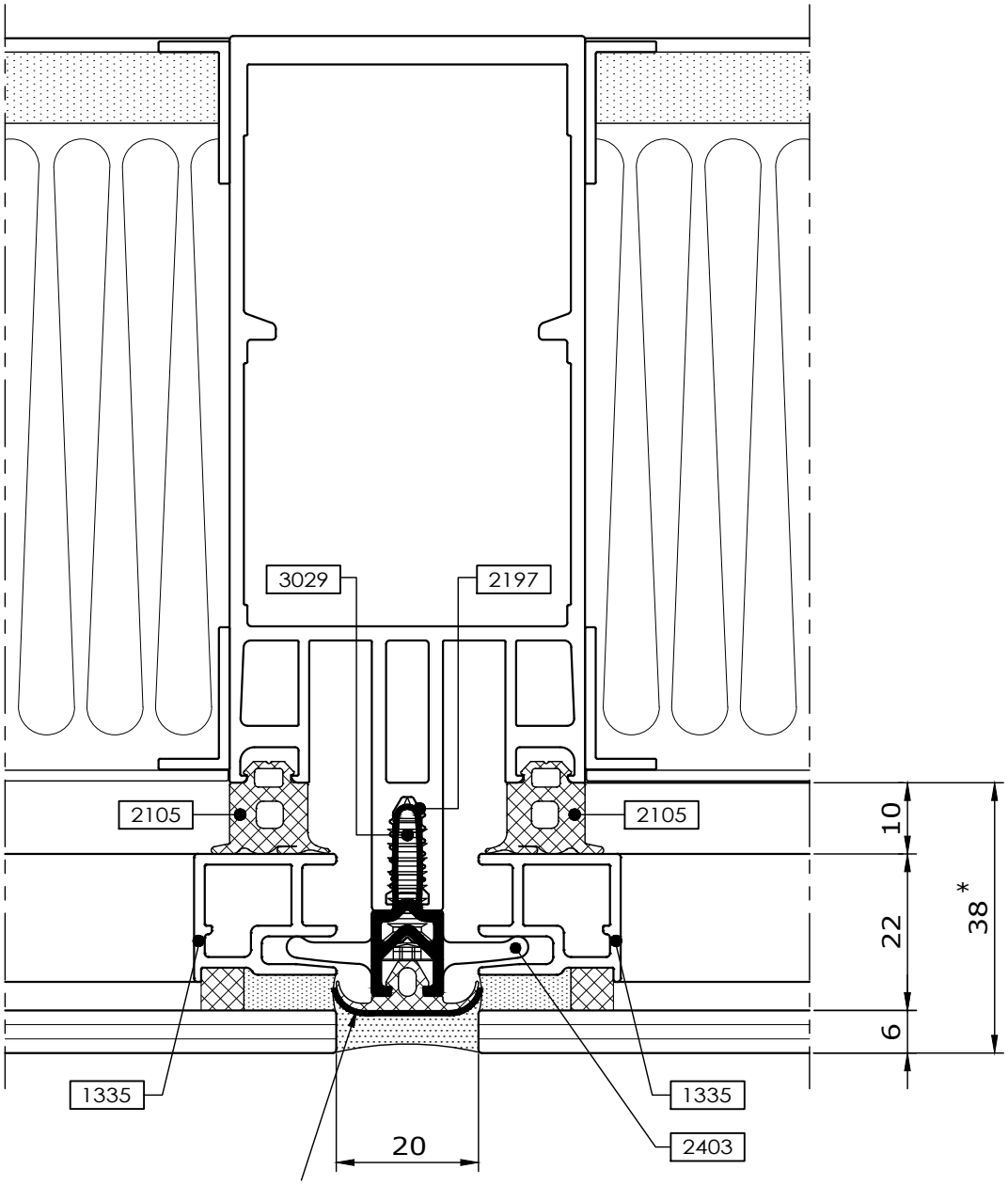
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Mullion detail
Single glazed
Silicone seal

2.69

Fabricators Guide



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

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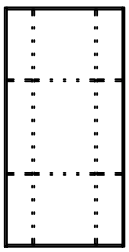
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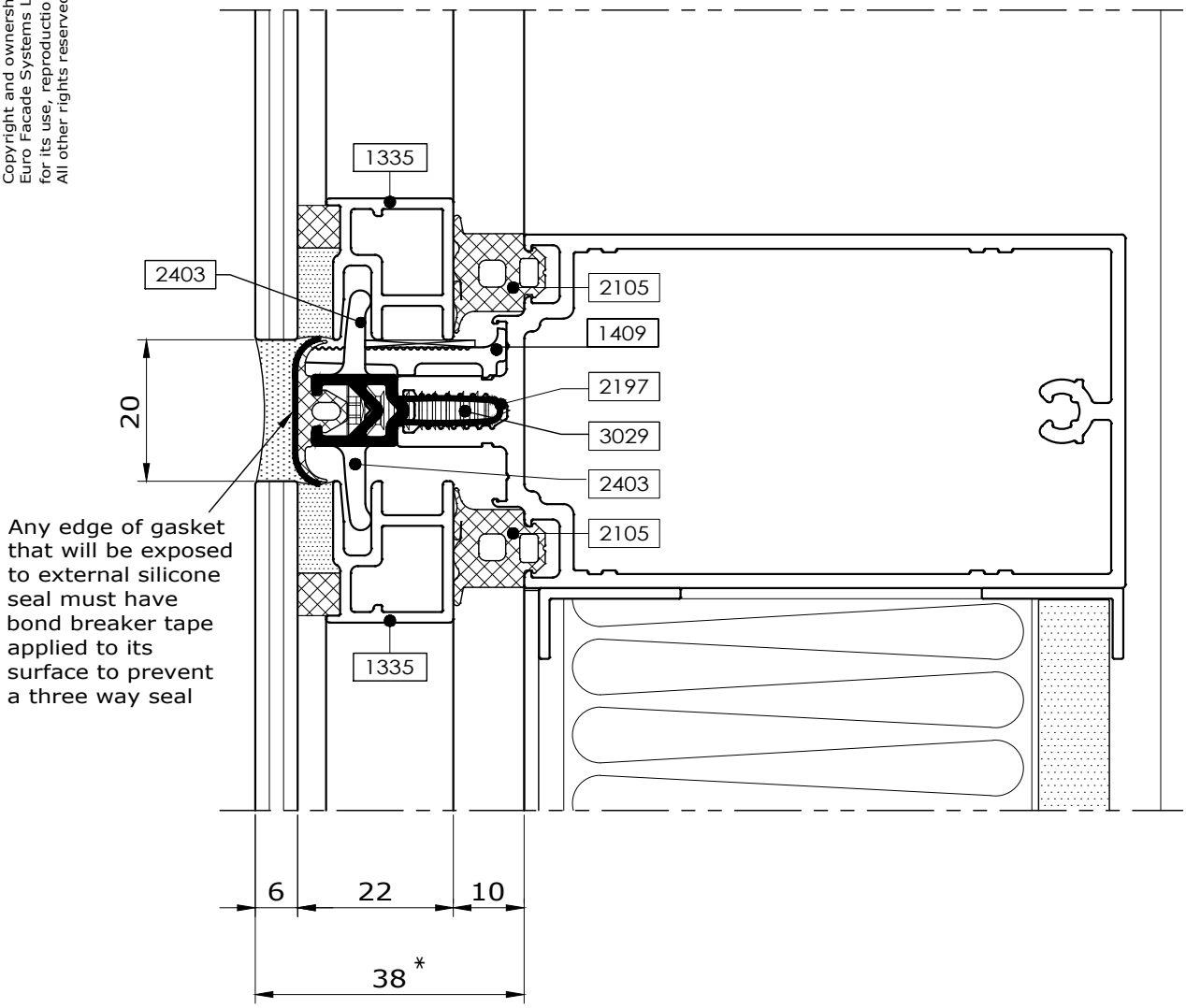
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Transom detail
Single glazed
Silicone seal





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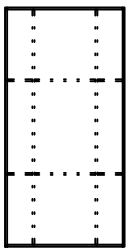
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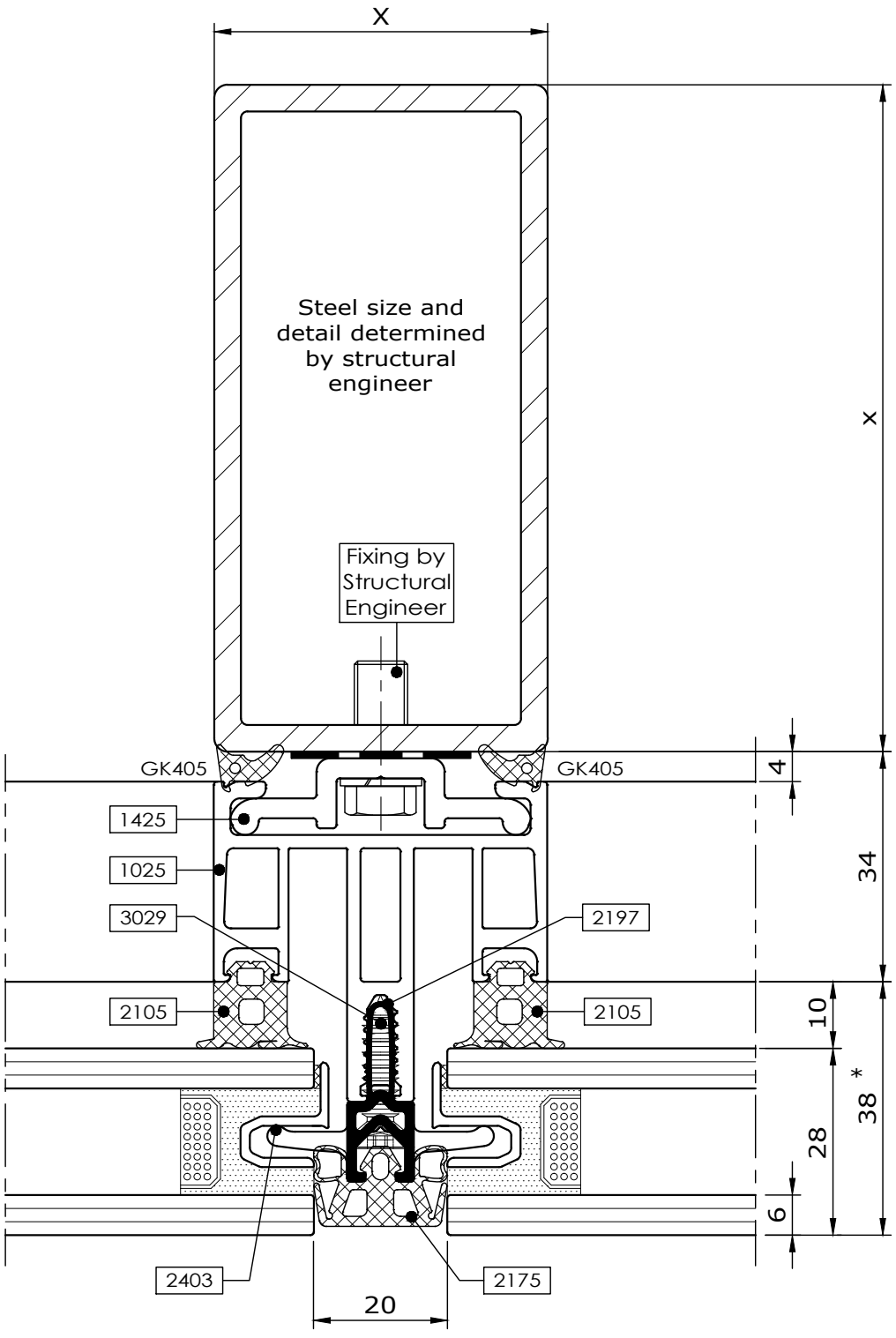
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Mullion details
Direct fix to steel
EPDM Gasket seal

2.71

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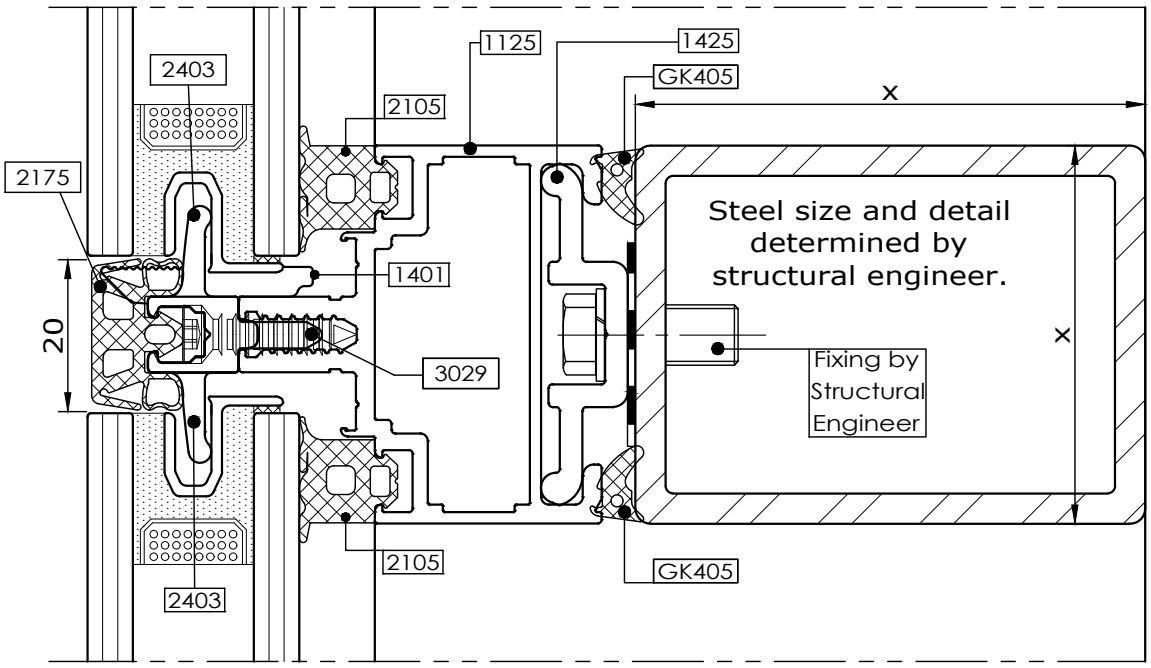
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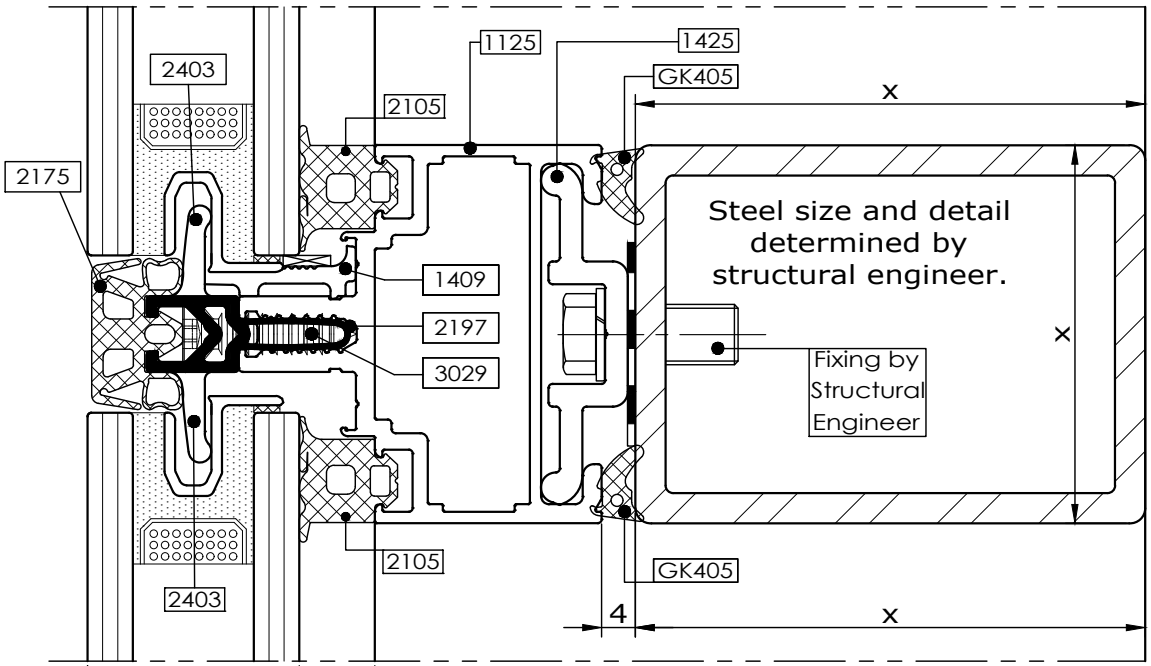
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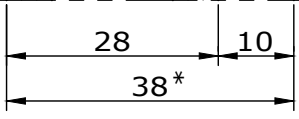
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Transom detail
Direct fix to steel
EPDM gasket seal







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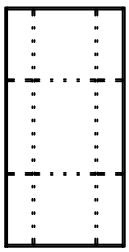
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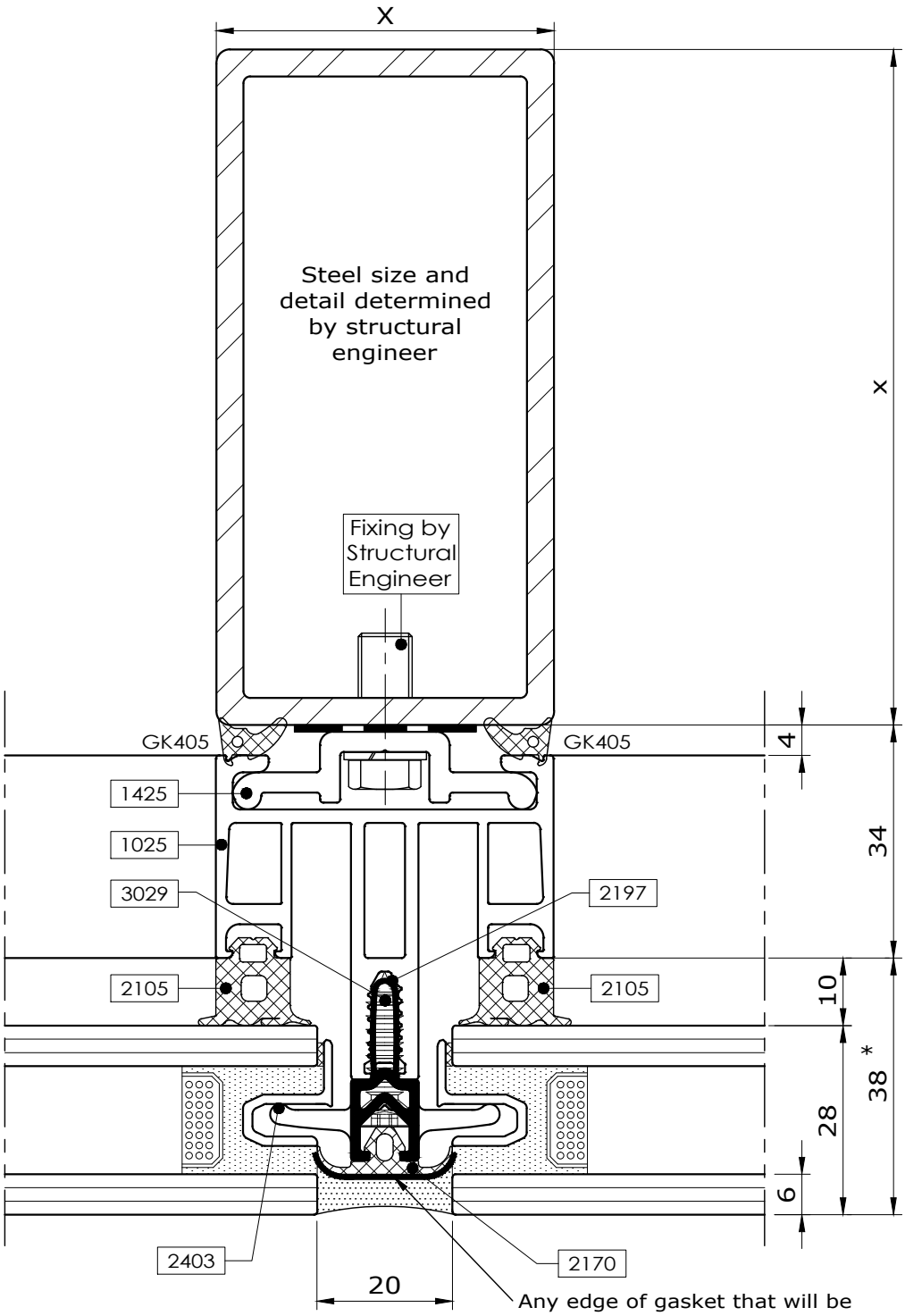
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Mullion detail
Direct fix to steel
Silicone seal

2.73

Fabricators Guide



* Refer to Glazing Chart for glazing options

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

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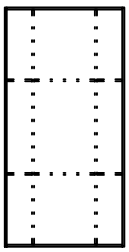
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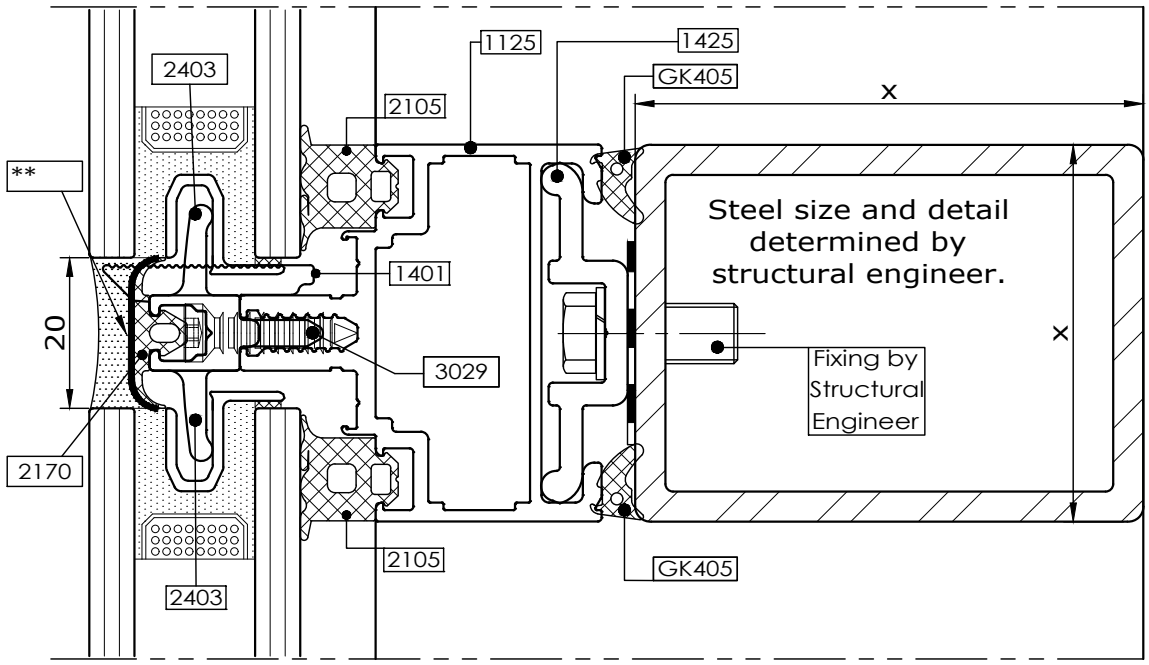
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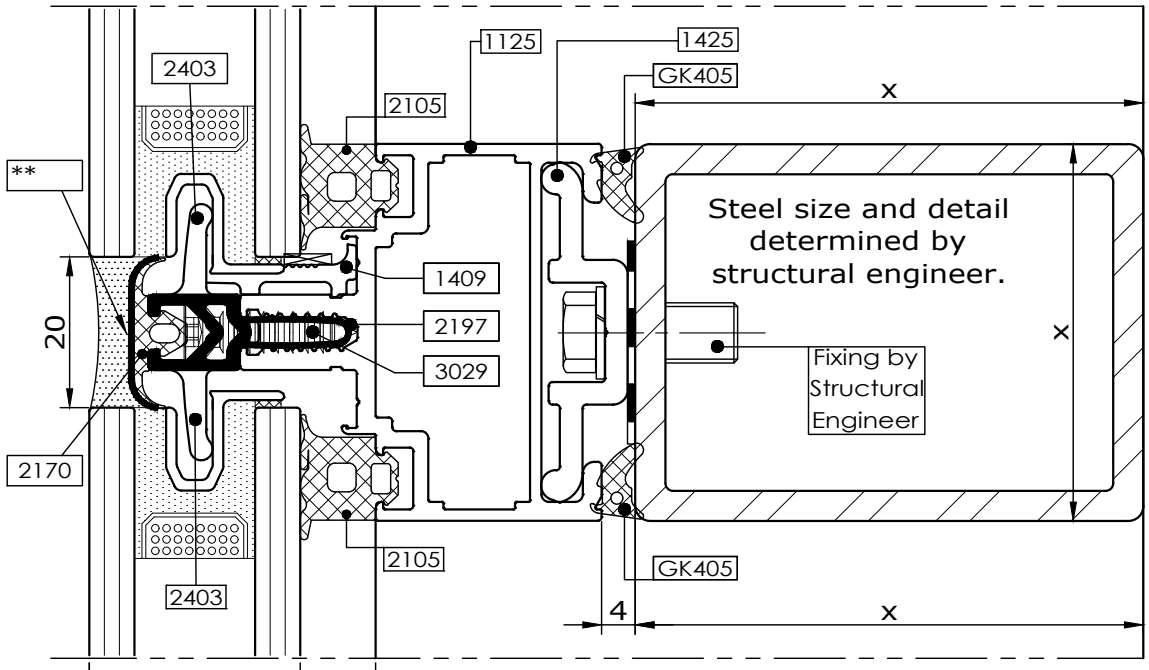
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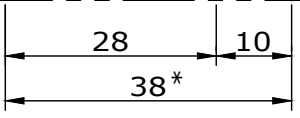
Transom detail
Direct fix to steel
Silicone seal



2.74







* Refer to Glazing Chart for glazing options

** 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

Fabricators Guide

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Sous reserve de modifications
Änderungen vorbehalten

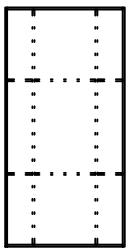
Issue: 05
Date : 02 -17

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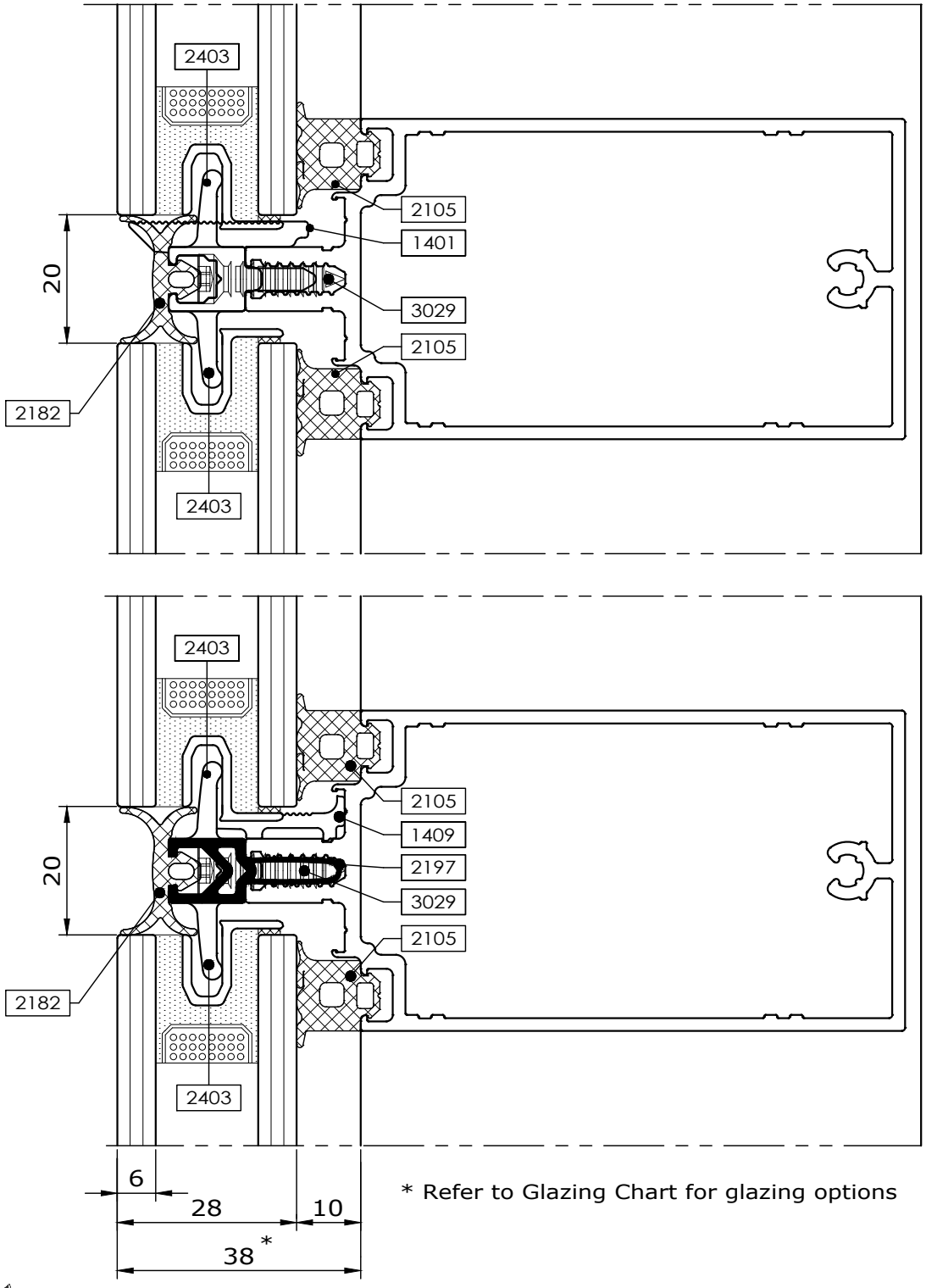
Typical details 2

Comar 6EFT

Transom detail. Gasket seal



2.75



* Refer to Glazing Chart for glazing options

Fabricators Guide

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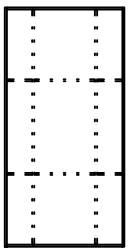
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Date : 10 -16

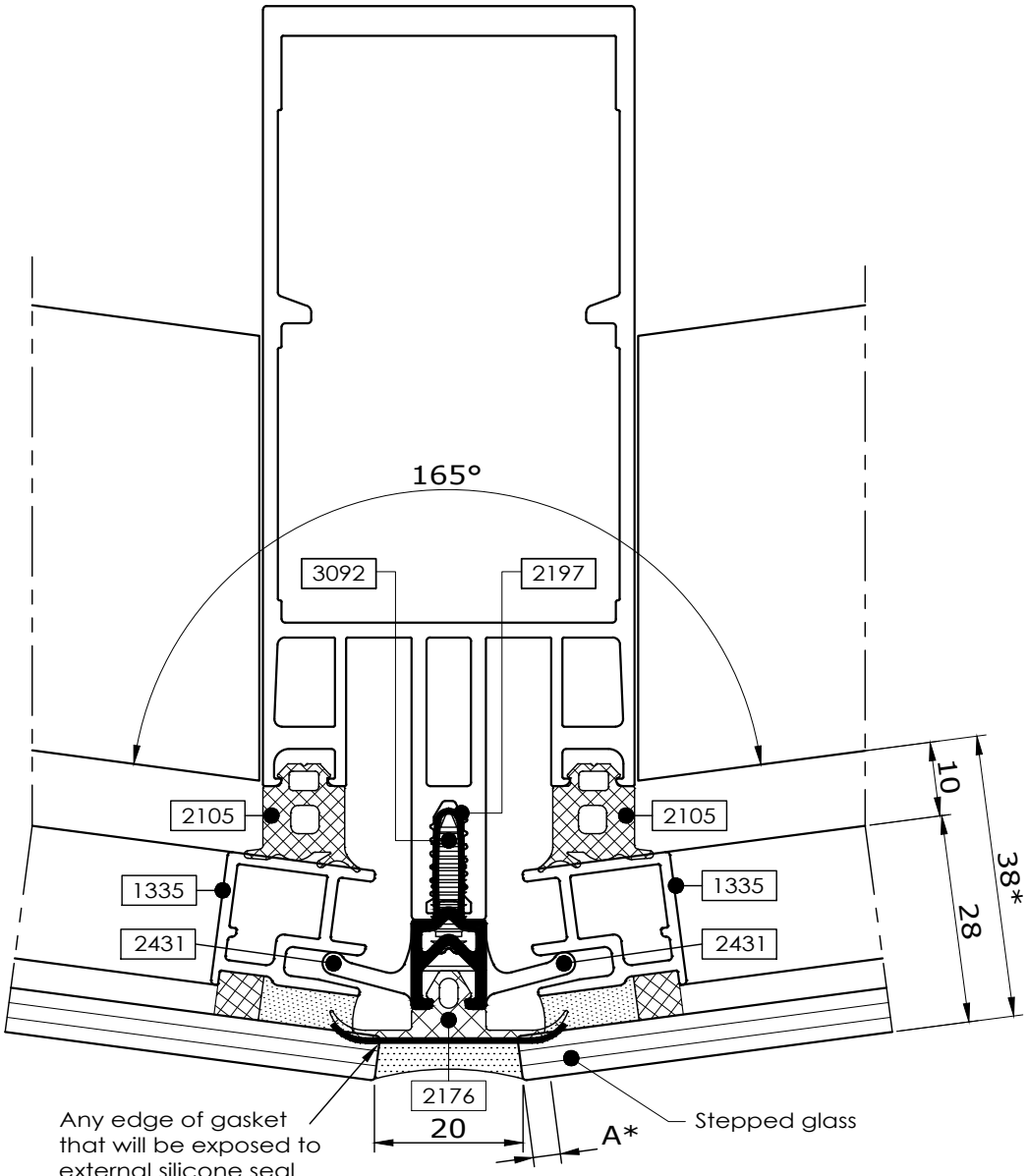
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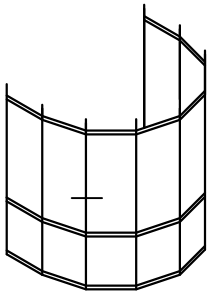
Comar 6EFT

Mullion detail
Facetted facade - Single glazed
7.5° maximum

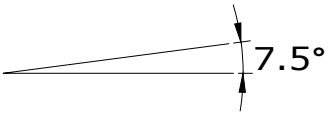


2.76





* Refer to Glazing Chart for glazing options



Fabricators Guide

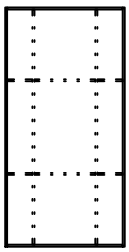
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Typical details 2

Comar 6EFT

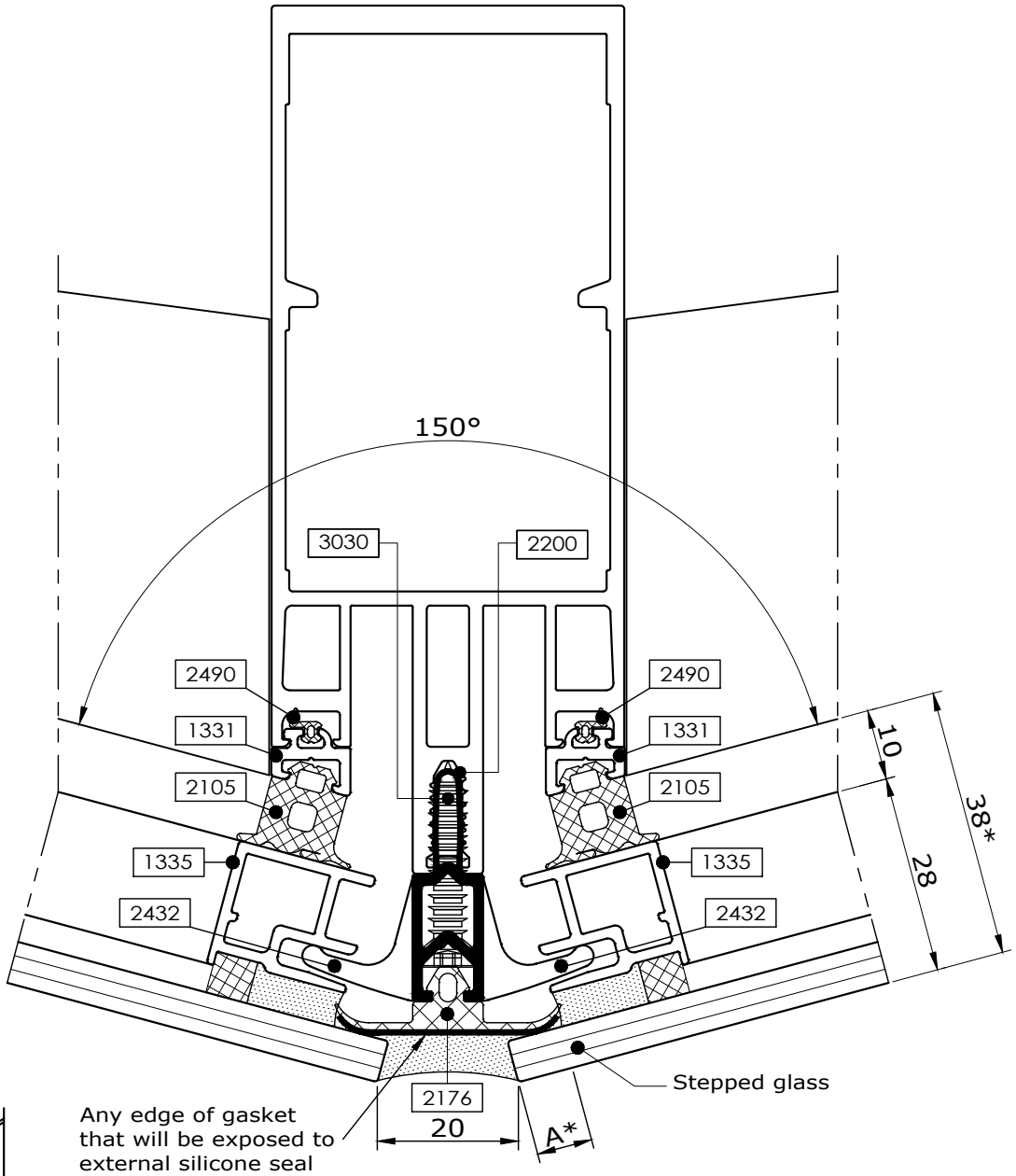


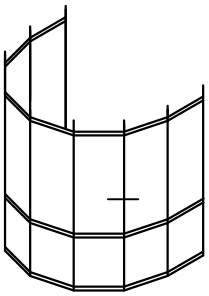
Mullion detail, Facetted facade - Single glazed 15° nominal

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2.76.1

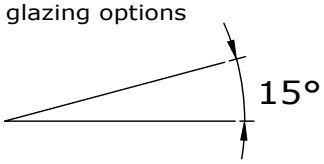
Fabricators Guide





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

* Refer to Glazing Chart for glazing options



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Sous reserve de modifications
Änderungen vorbehalten

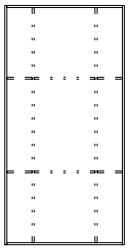
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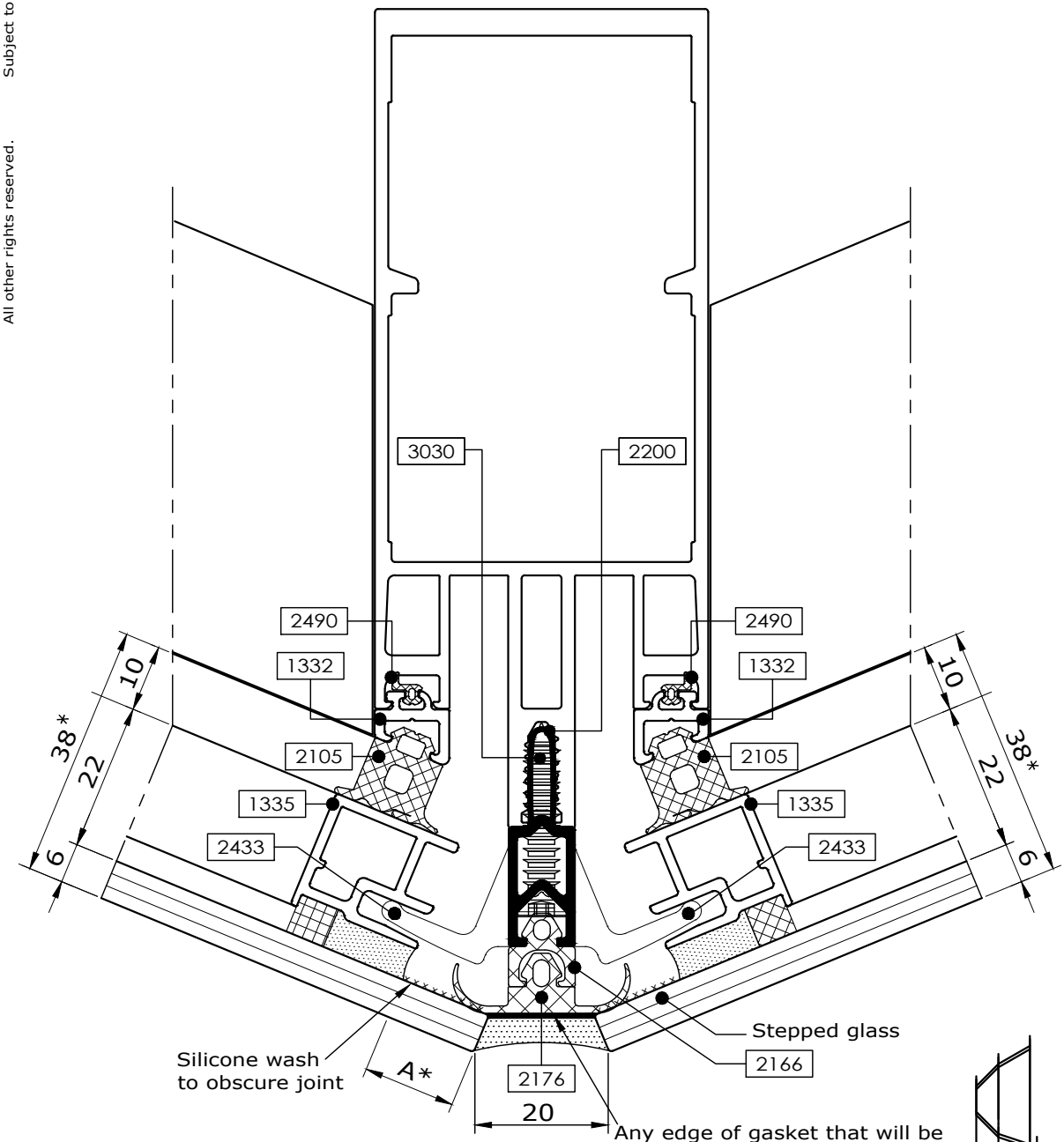
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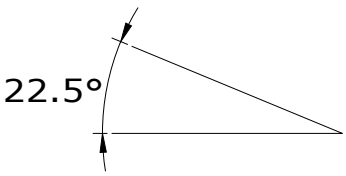
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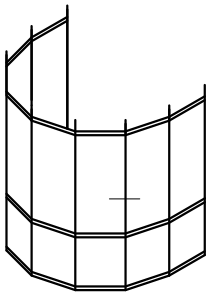
Mullion detail
Facetted facade - Single glazed
22.5° nominal



2.77







* Refer to Glazing Chart for glazing options

Fabricators Guide

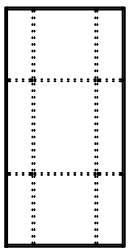
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Issue: 05
Date : 10 -16

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Typical details 2

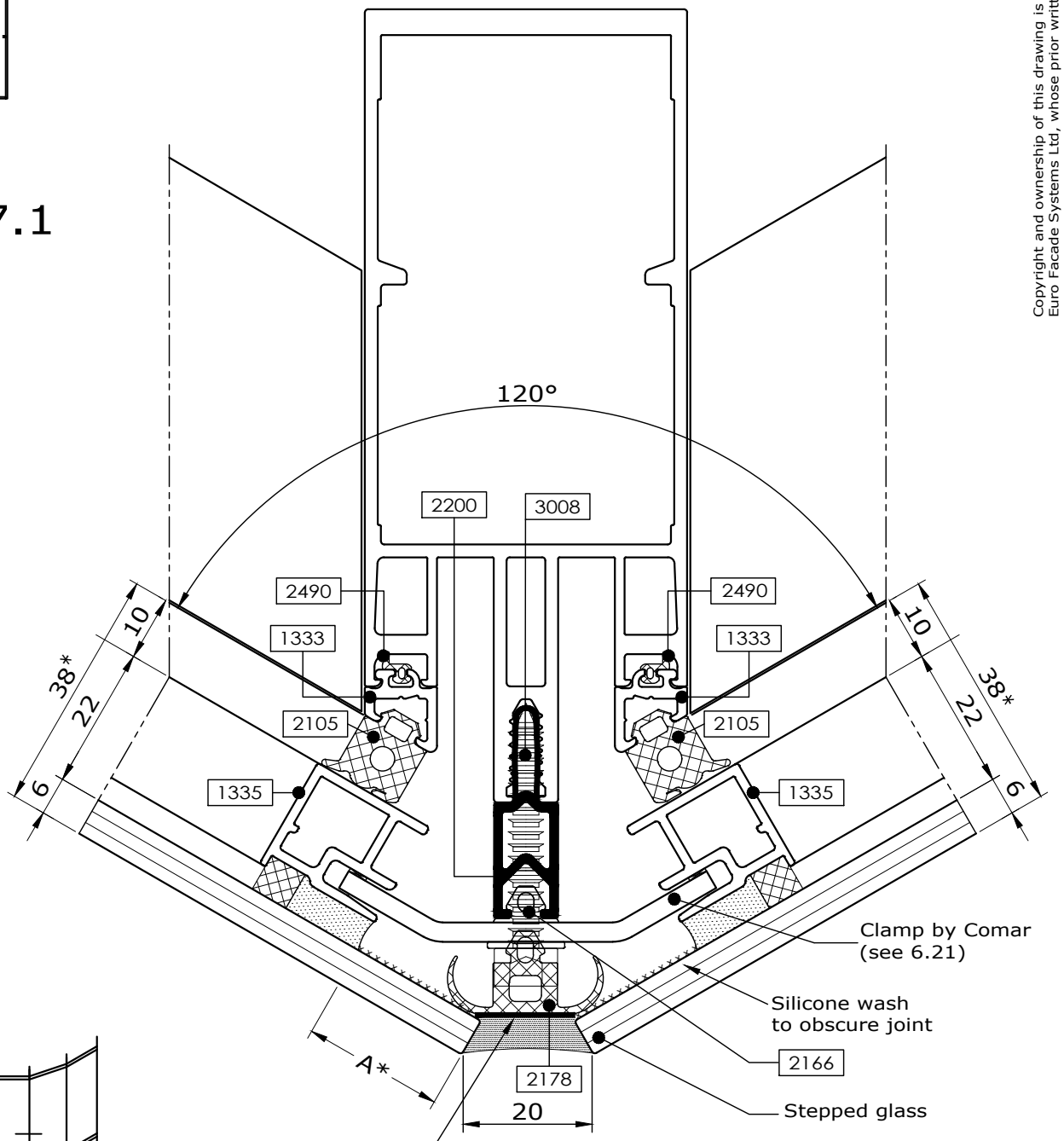
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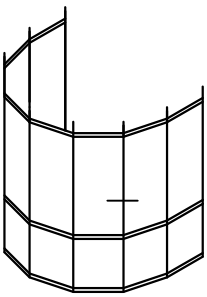


Mullion detail
Facetted facade
30° nominal

2.77.1

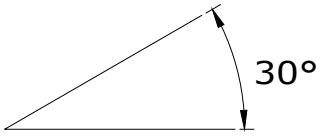
Fabricators Guide





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

* Refer to Glazing Chart for glazing options



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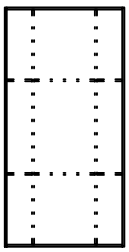
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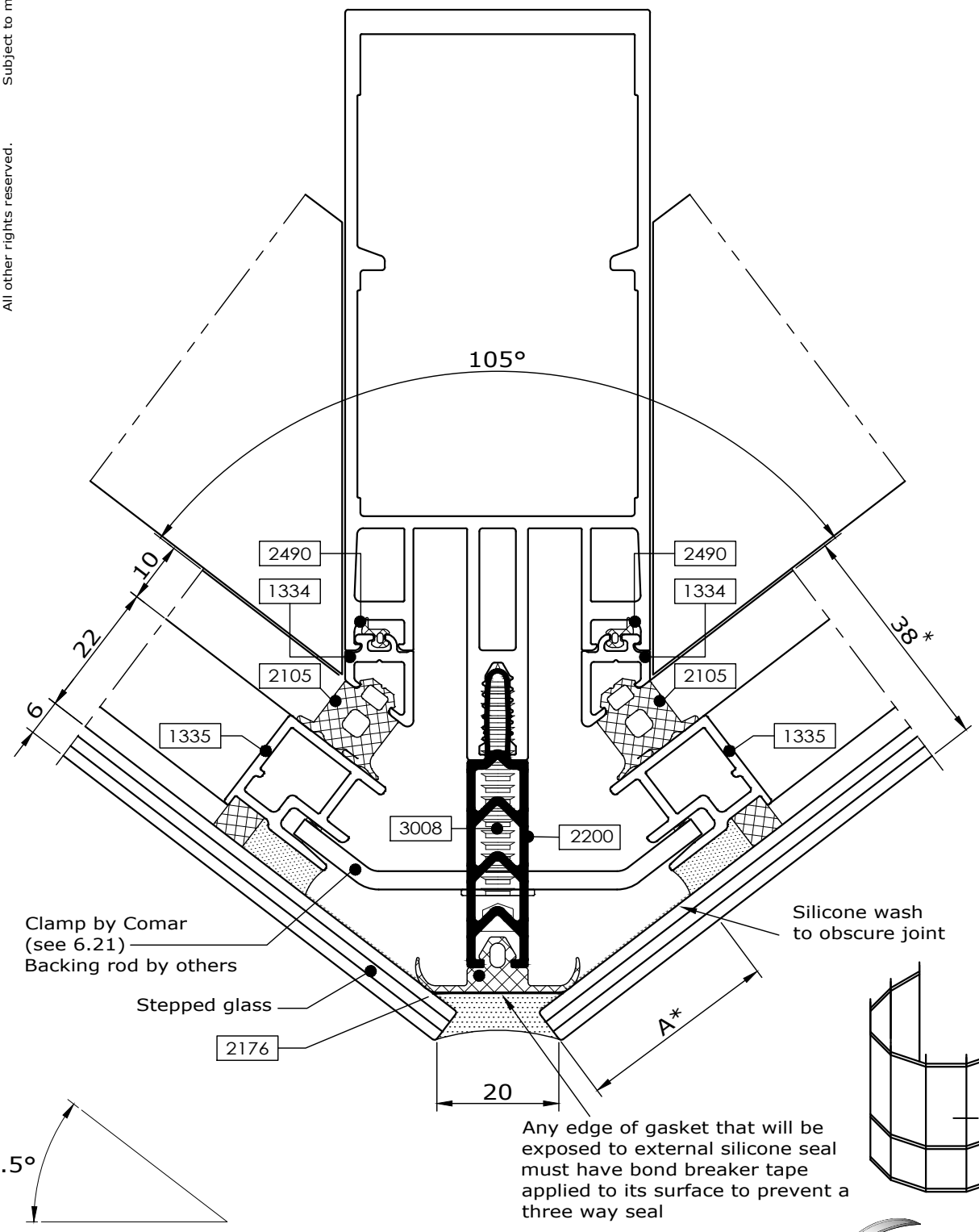
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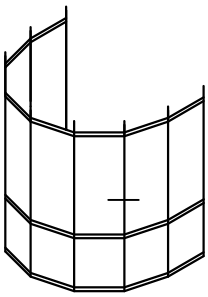
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Mullion detail
Facetted facade
37.5° nominal



2.78





* Refer to Glazing Chart for glazing options

Fabricators Guide

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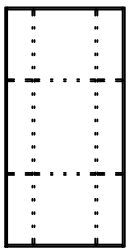
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Typical details 2

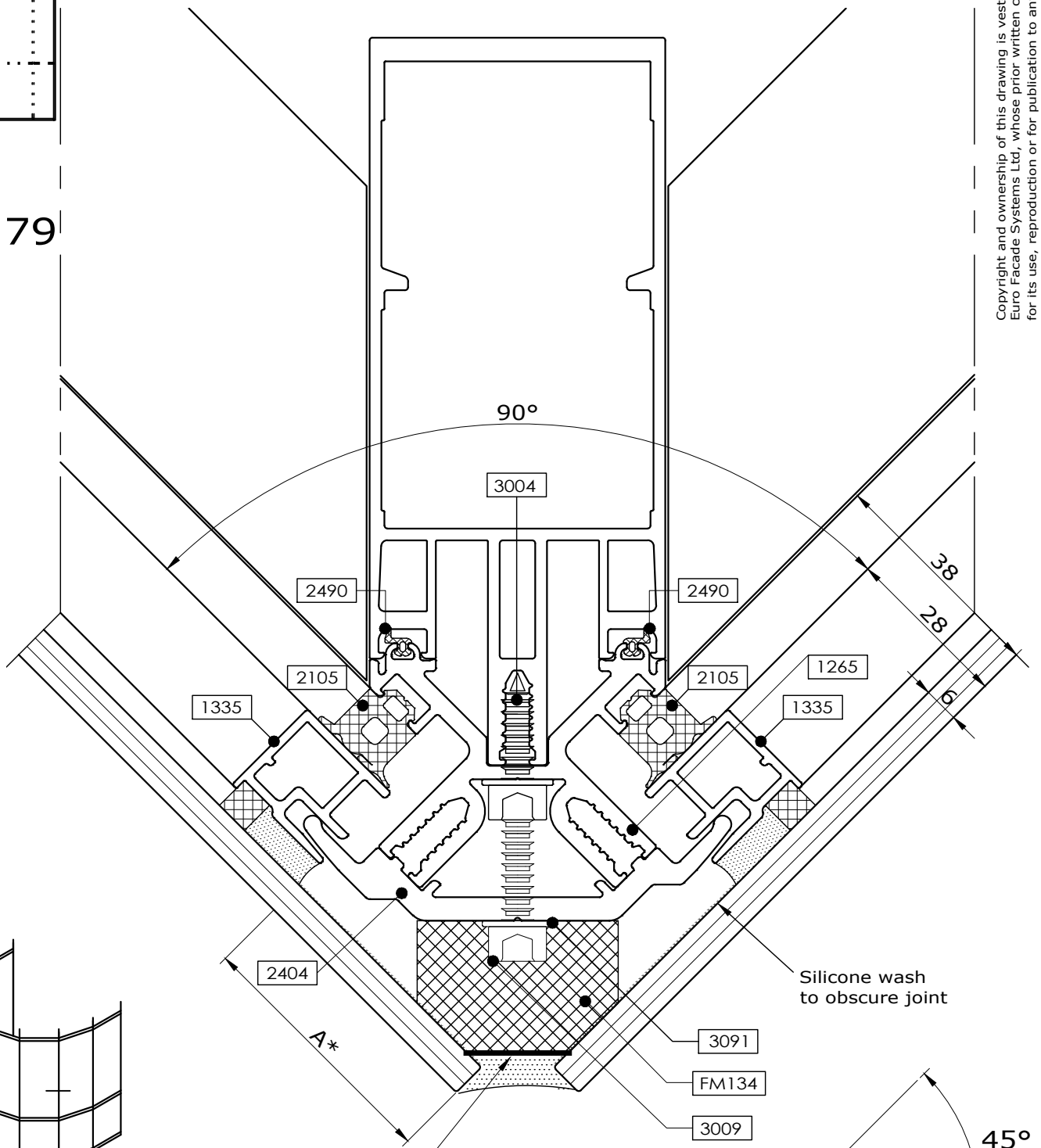
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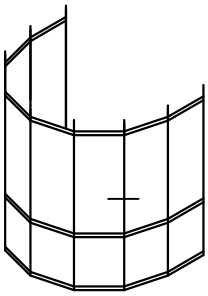
Mullion detail, Facetted facade - Single glazed 45° nominal

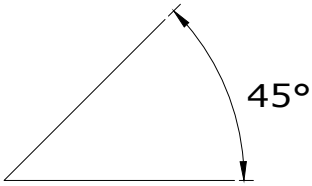


2.79

Fabricators Guide







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

* Refer to Glazing Chart for glazing options

Changes reserved
Sous reserve de modifications
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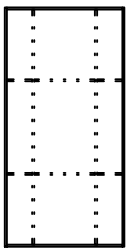
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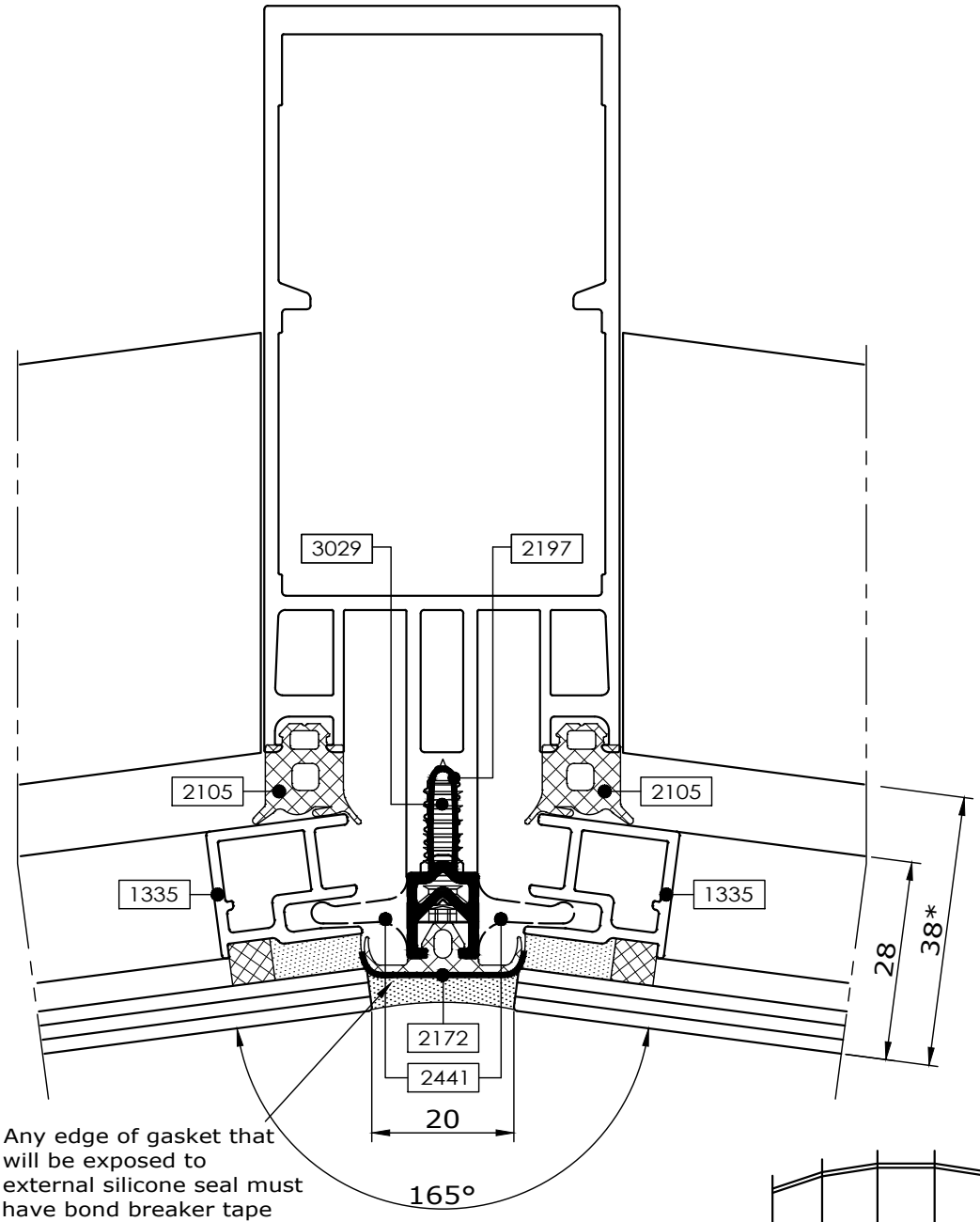
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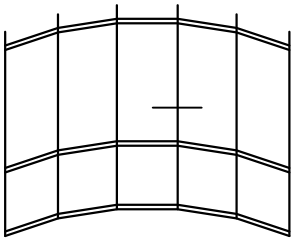
Mullion detail
Facetted facade - Single glazed
7.5° maximum

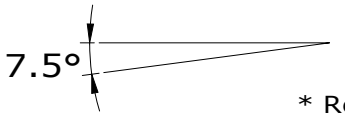


2.80



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





* Refer to Glazing Chart for glazing options

Fabricators Guide

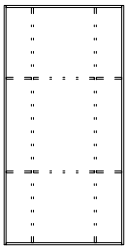
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Typical details 2

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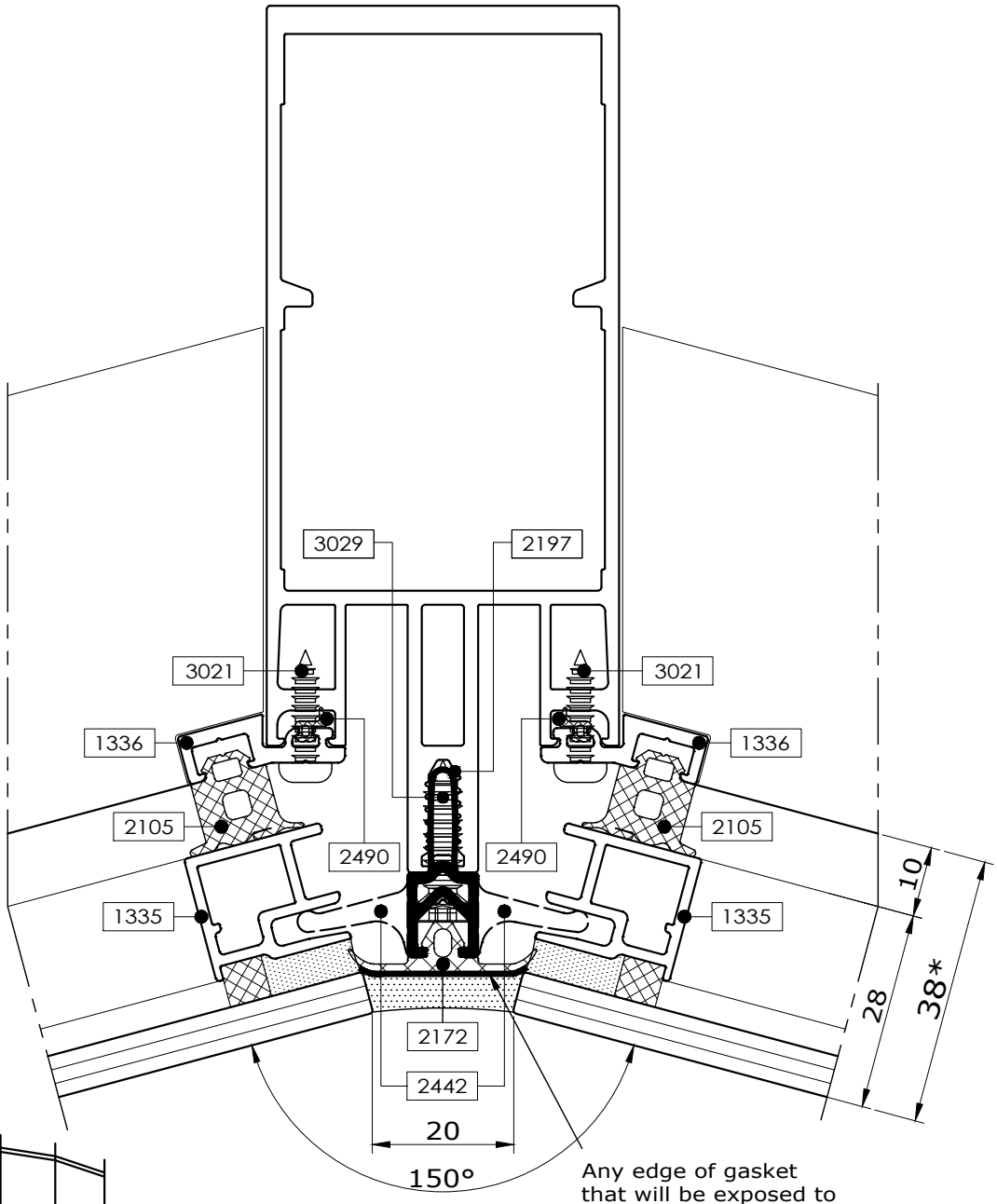


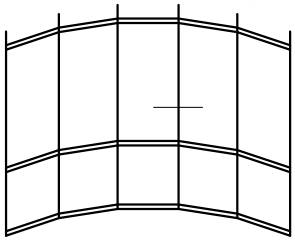
Mullion detail, Facetted facade - Single glazed 15° nominal

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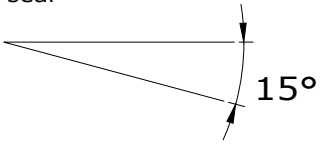
2.80.1

Fabricators Guide





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



* Refer to Glazing Chart for glazing options

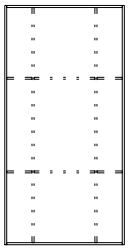
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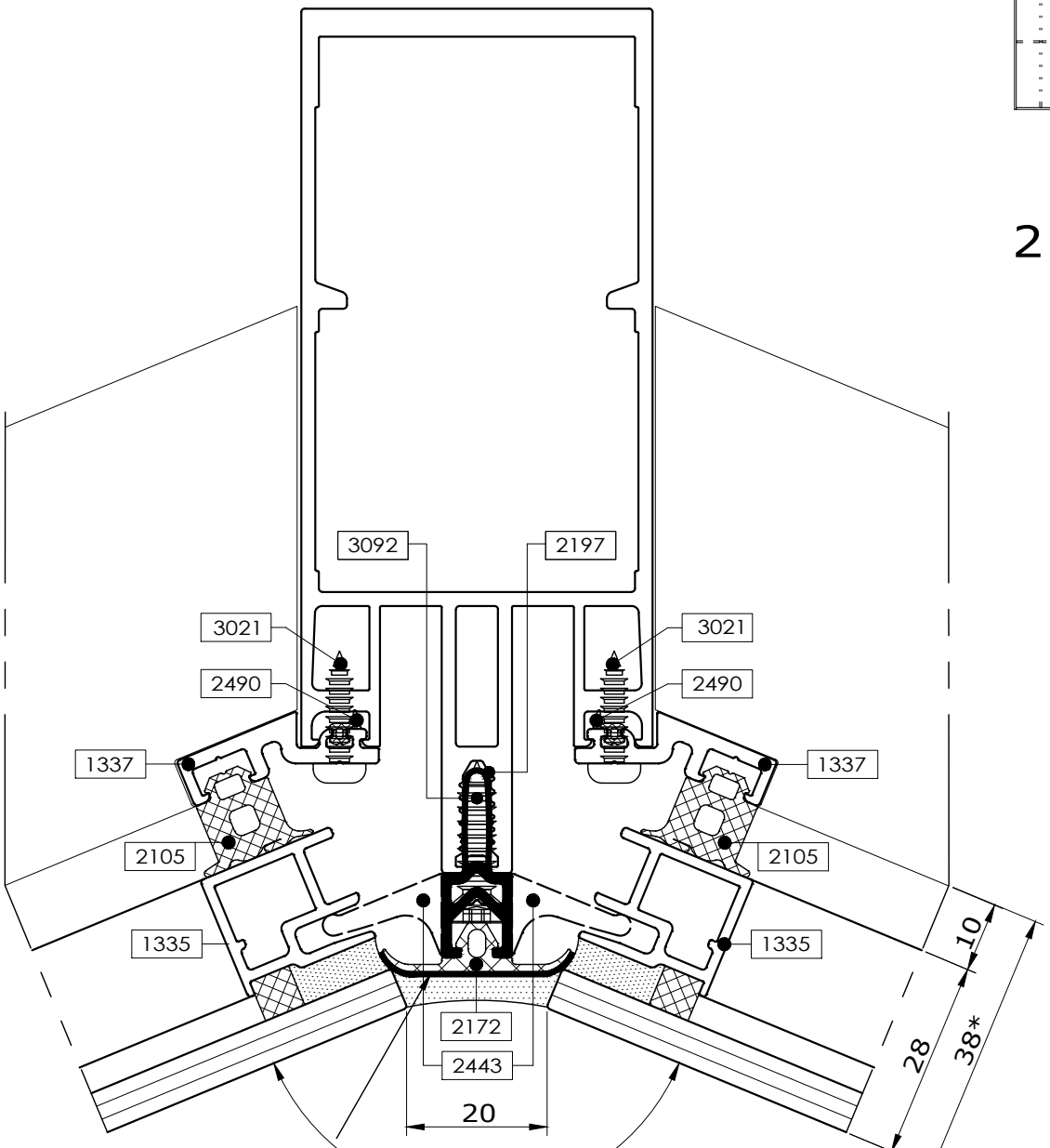
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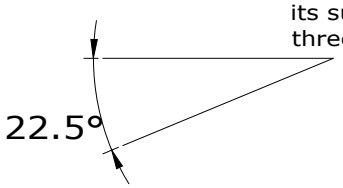
Mullion detail
Facetted facade - Single glazed
22.5° nominal

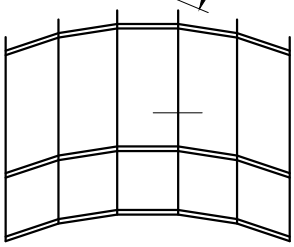


2.81



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





* Refer to Glazing Chart for glazing options

Fabricators Guide

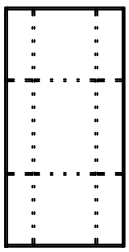
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Issue: 05
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Typical details 2

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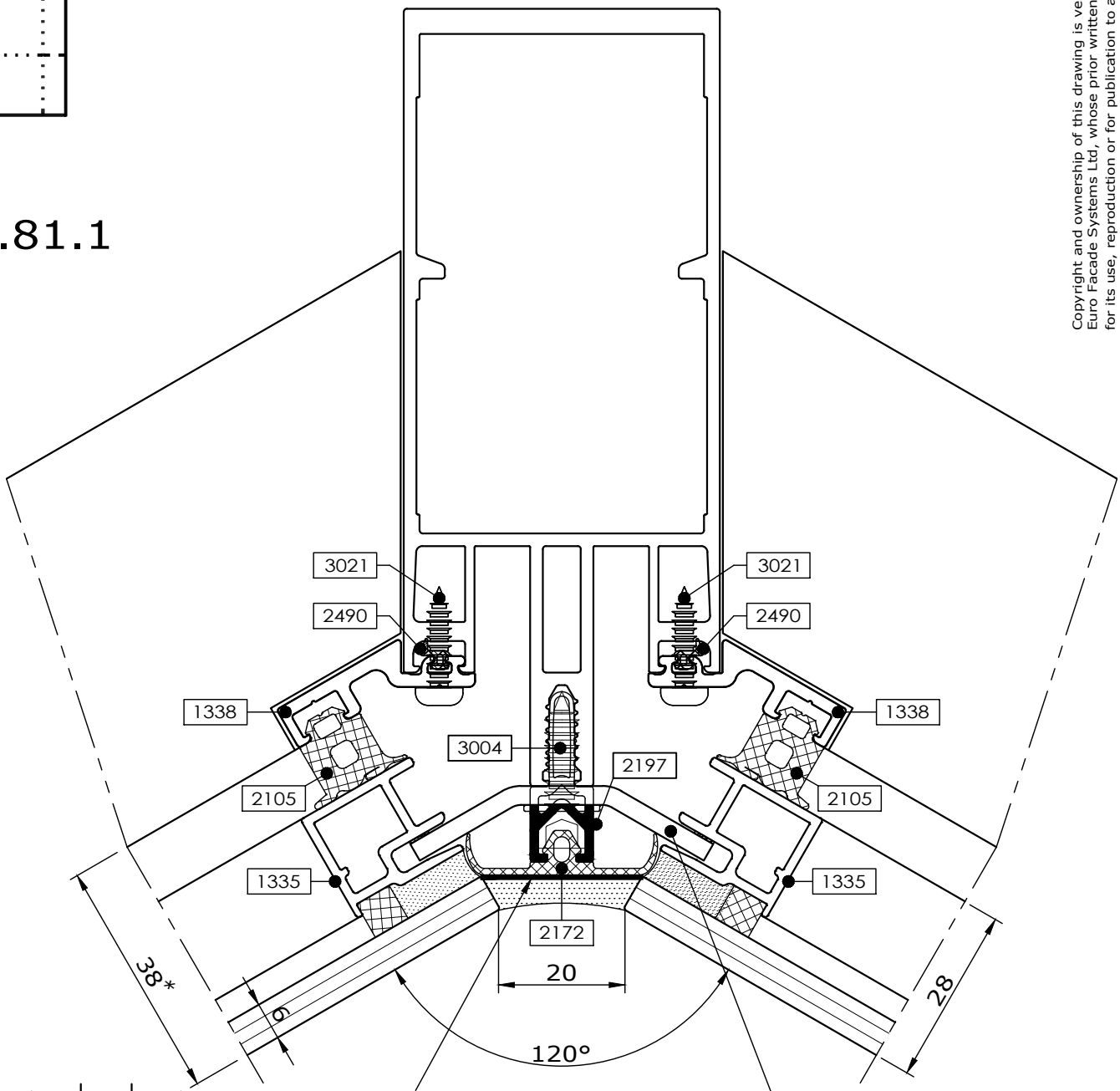


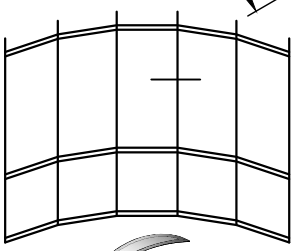
Mullion detail, Facetted facade - Single glazed 30° nominal

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2.81.1

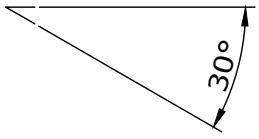
Fabricators Guide





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

Clamp by Comar (see 6.21)



* Refer to Glazing Chart for glazing options

comar
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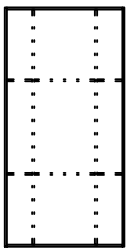
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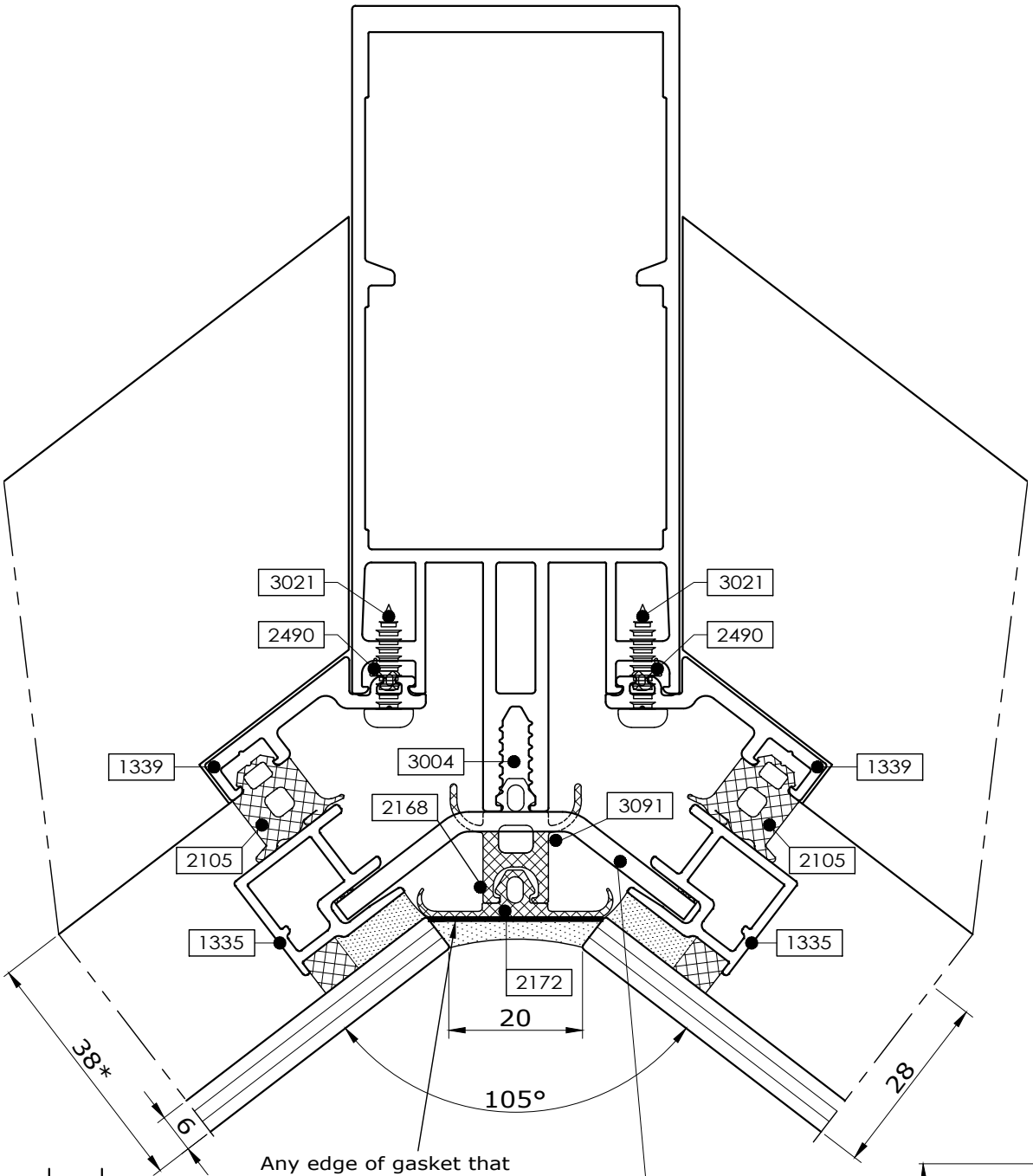
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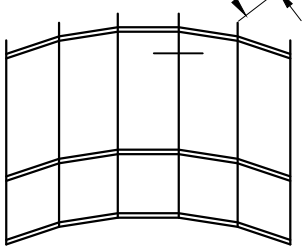
Comar 6EFT

Mullion detail
Facetted facade - Single glazed
37.5° nominal



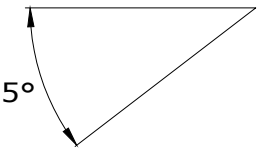
2.82





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

Clamp by Comar (see 6.21)



* Refer to Glazing Chart for glazing options

Fabricators Guide

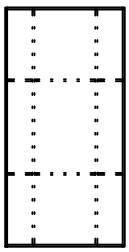
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comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Typical details 2

Comar 6EFT

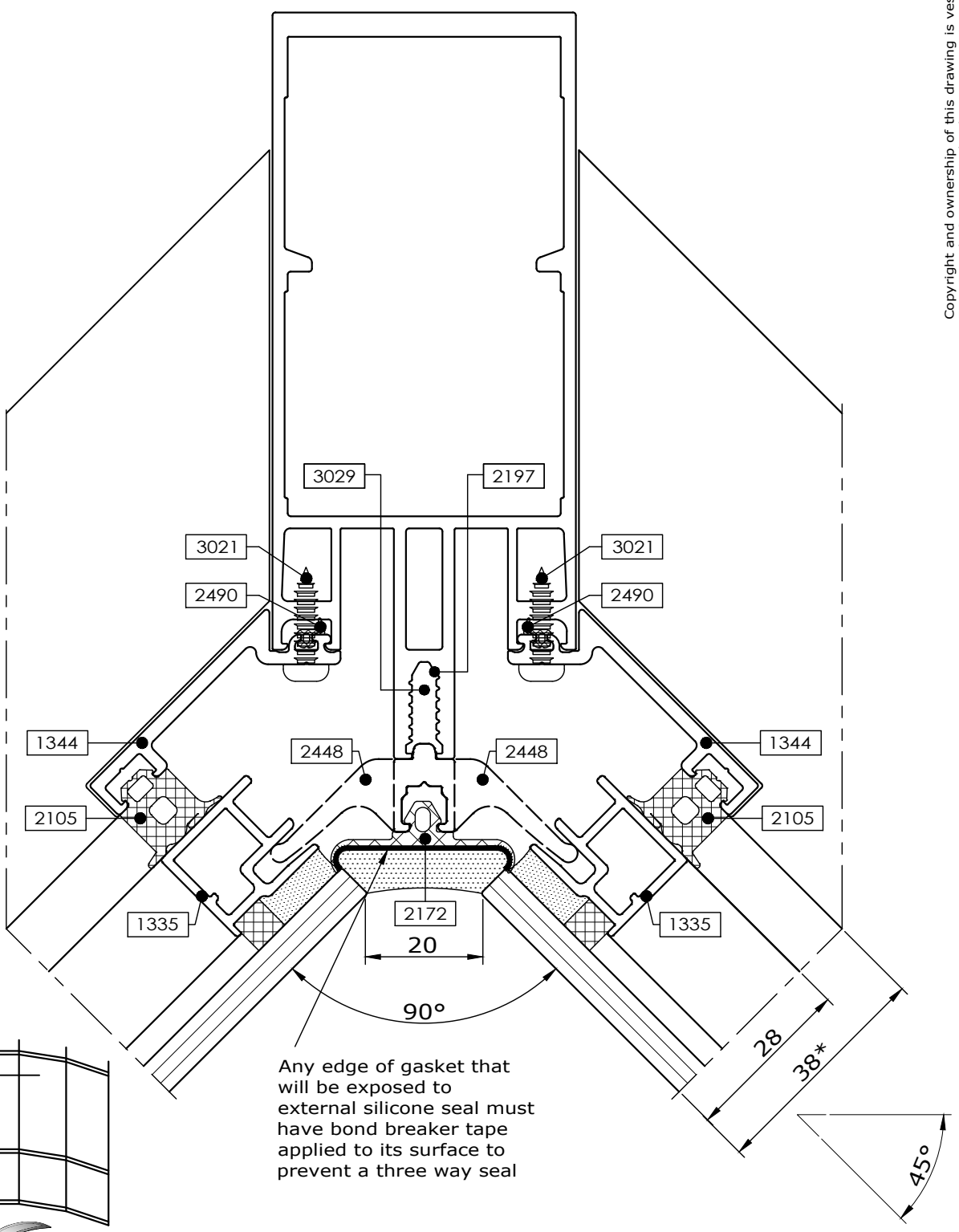


Mullion detail, Facetted facade - Single glazed 45° nominal

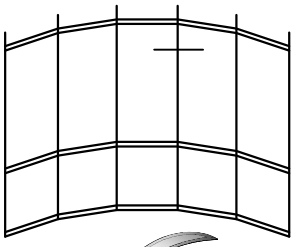
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2.83

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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



* Refer to Glazing Chart for glazing options

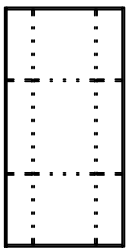
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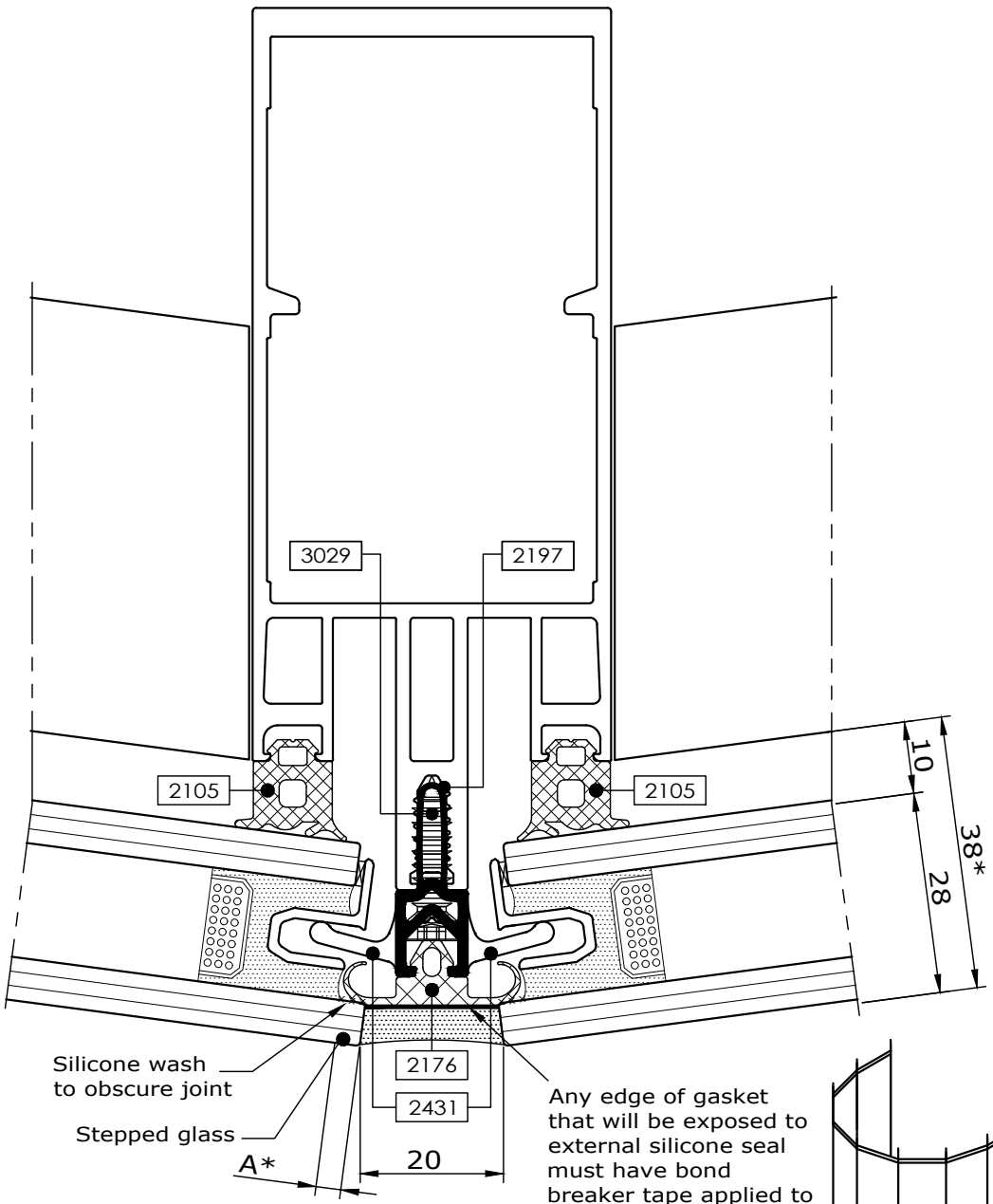
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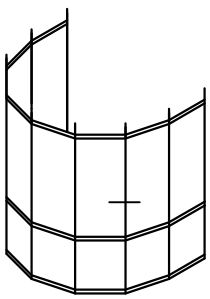
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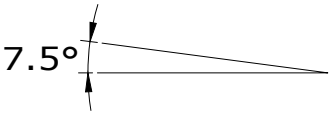
Mullion detail
Facetted facade
7.5° maximum



2.84







* Refer to Glazing Chart for glazing options

Fabricators Guide

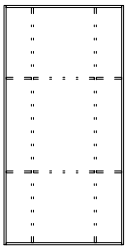
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Issue: 05
Date : 10 -16

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ARCHITECTURAL ALUMINIUM SYSTEMS

Typical details 2

Comar 6EFT

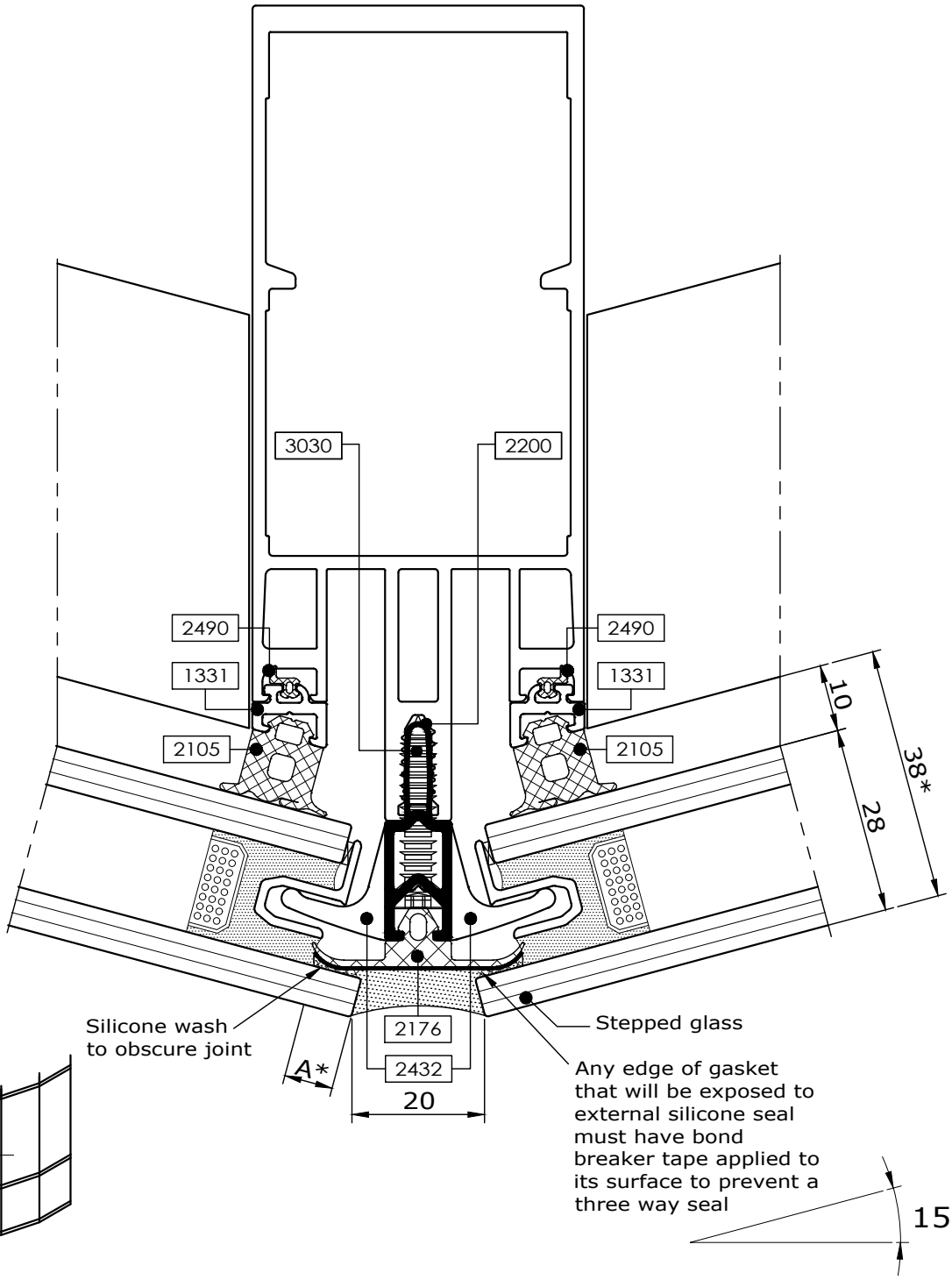


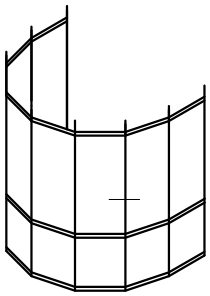
Mullion detail
Facetted facade
15° nominal

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2.85

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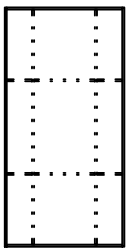
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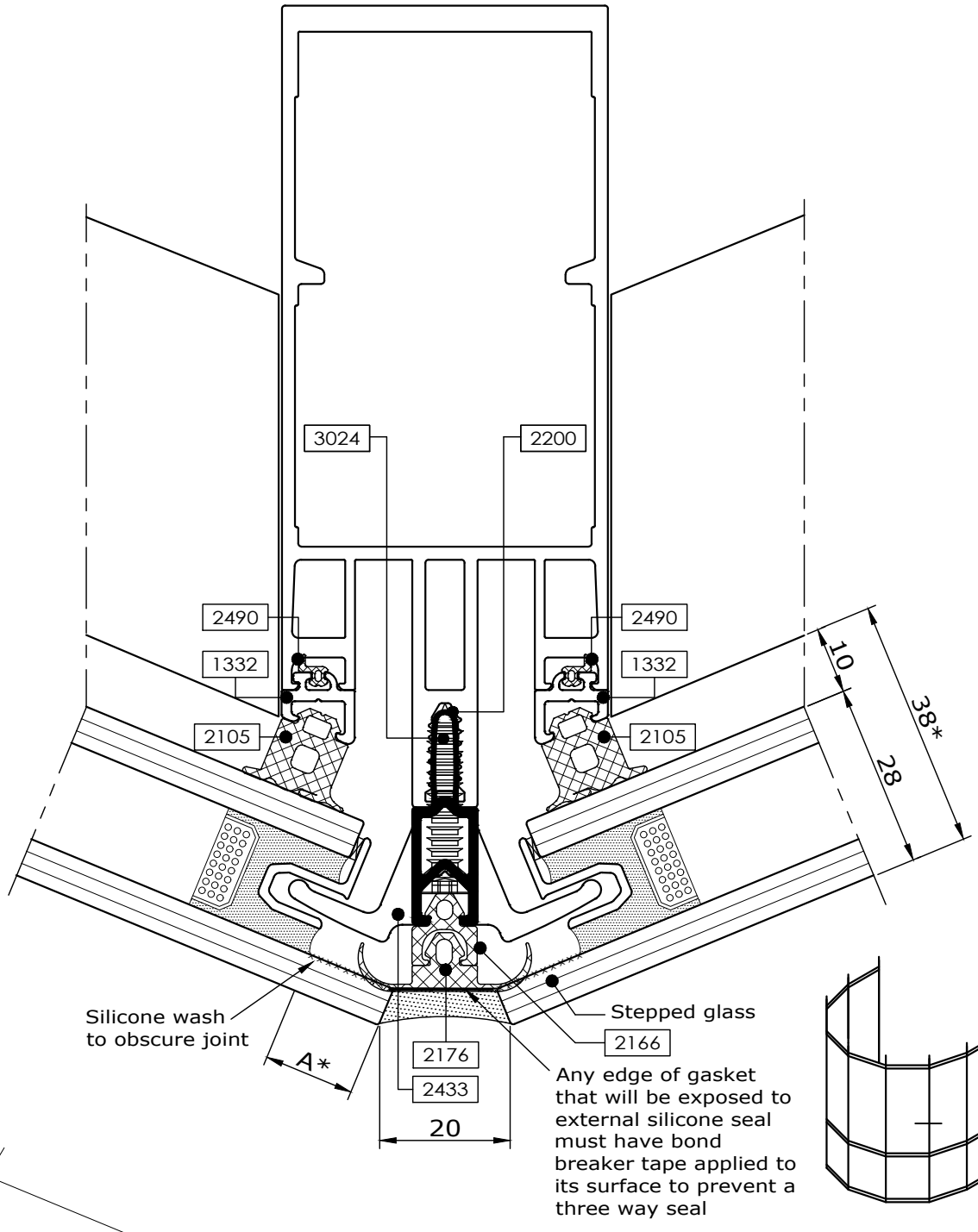
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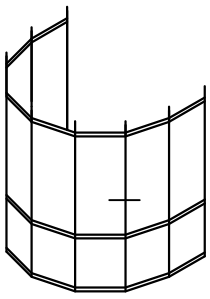
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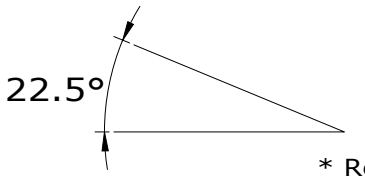
Mullion detail
Facetted facade
22.5° nominal



2.86







* Refer to Glazing Chart for glazing options

Fabricators Guide

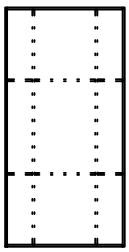
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Date : 10 -16

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Typical details 2

Comar 6EFT

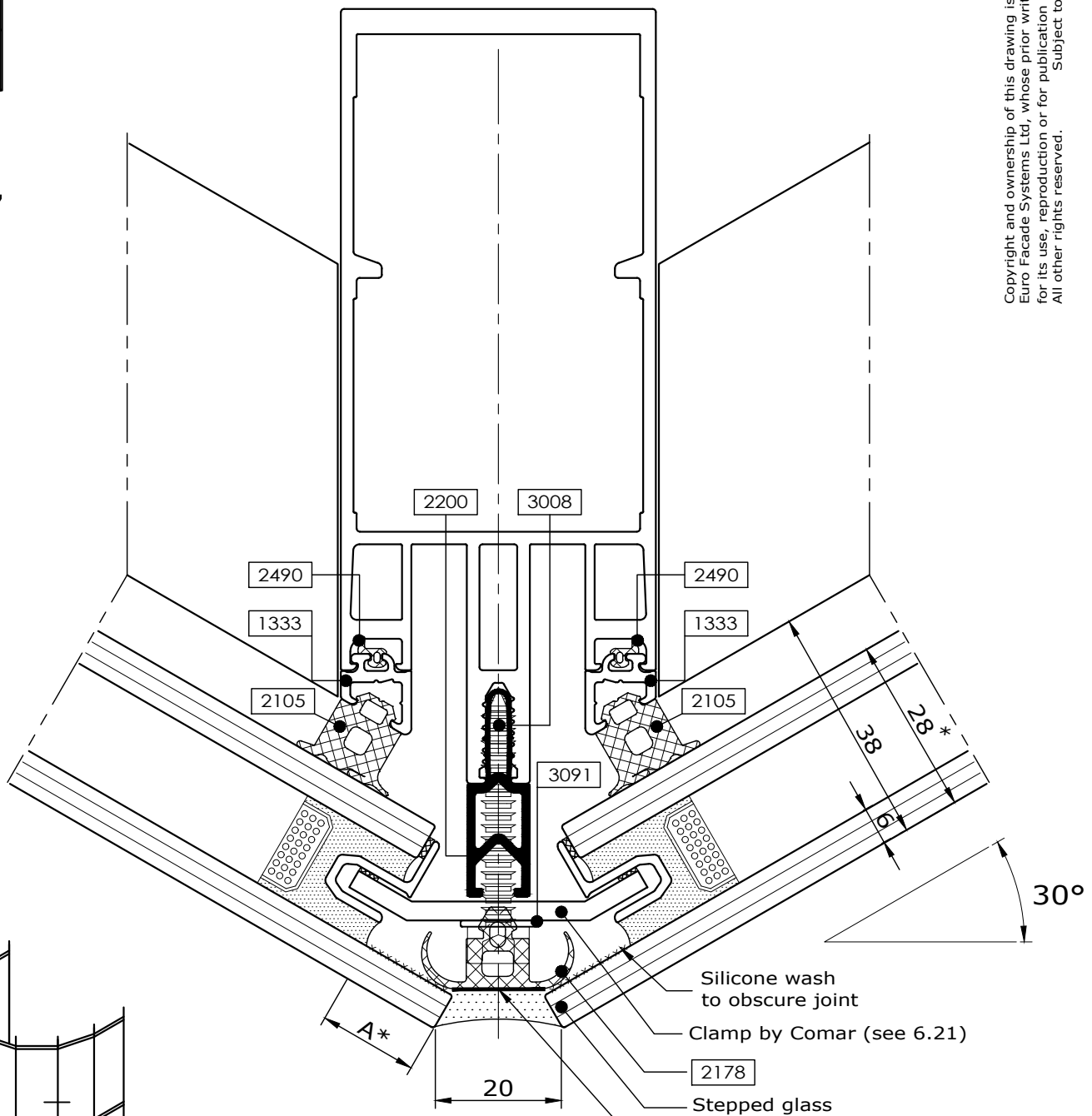


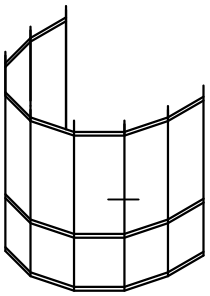
Mullion detail
Facetted facade
30° nominal

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2.87

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* Refer to Glazing Chart for glazing options

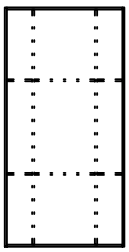
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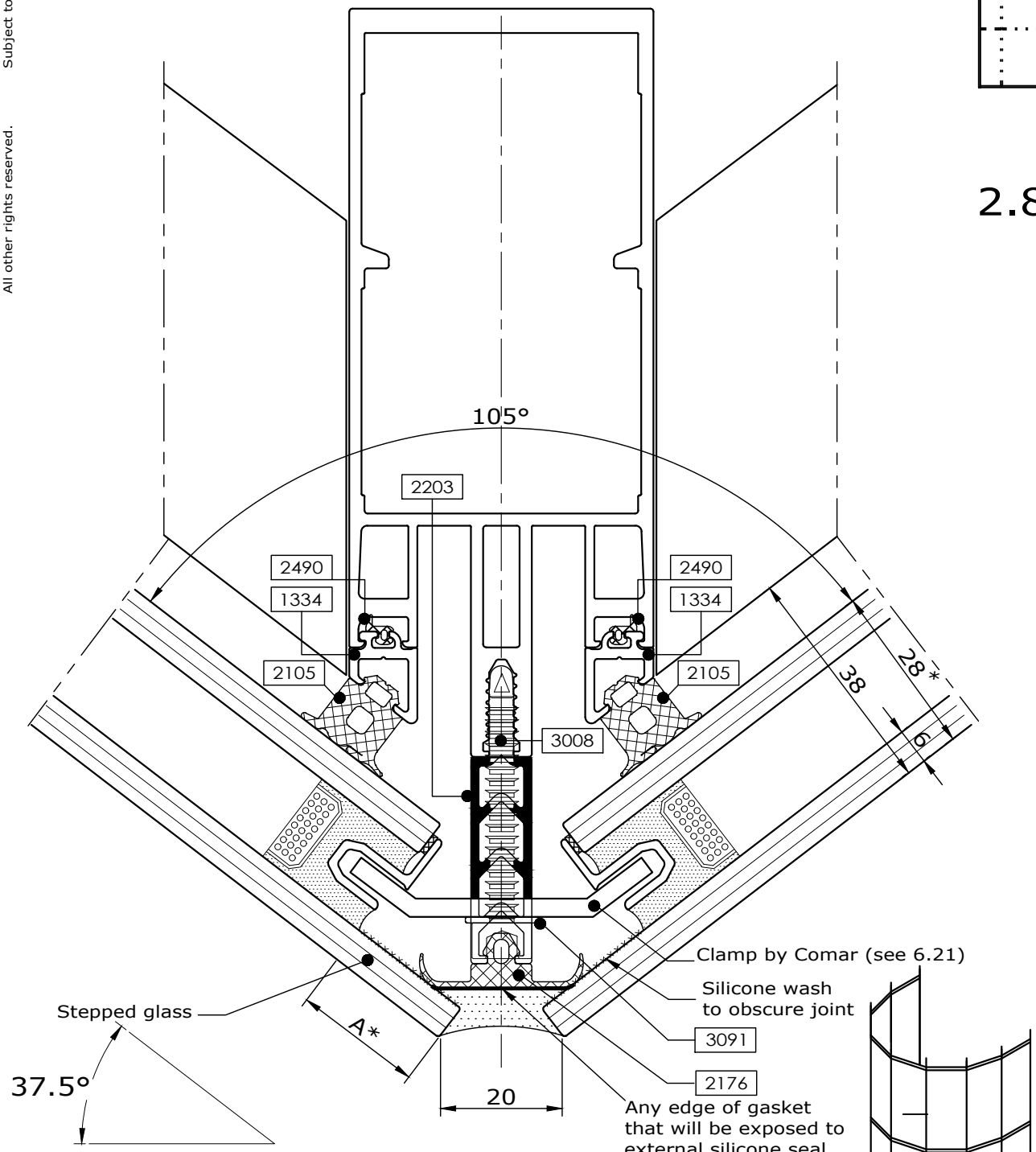
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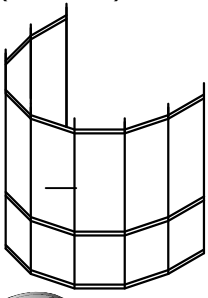
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Mullion detail
Facetted facade
37.5° nominal



2.88





* Refer to Glazing Chart for glazing options

Fabricators Guide

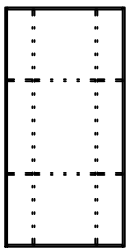
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Typical details 2

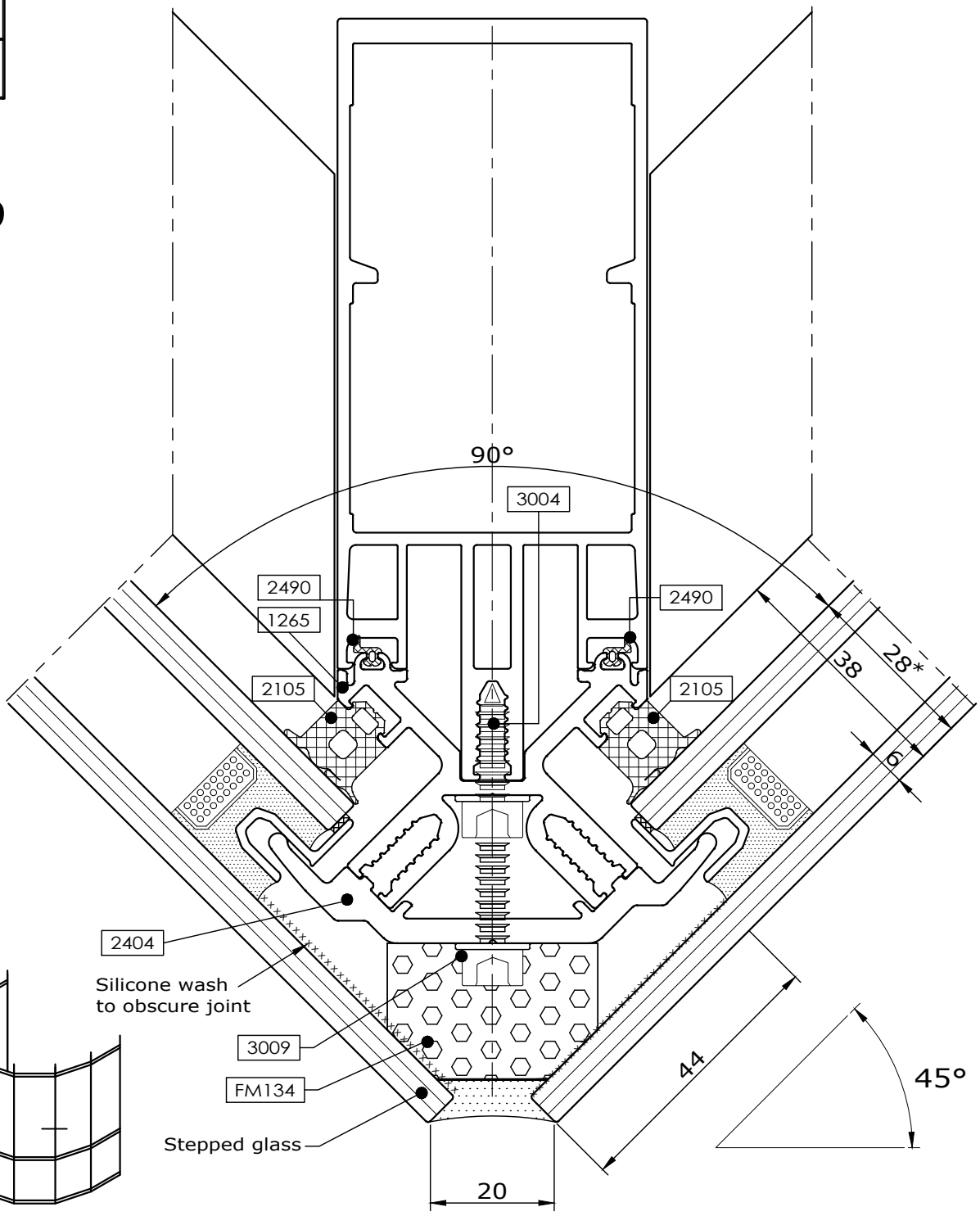
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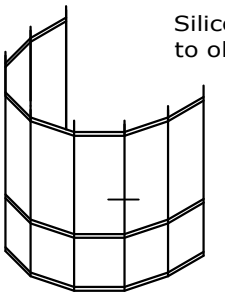


Mullion detail
Facetted facade
45° nominal

2.89

Fabricators Guide





* Refer to Glazing Chart for glazing options

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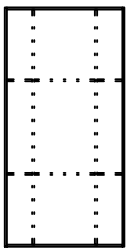
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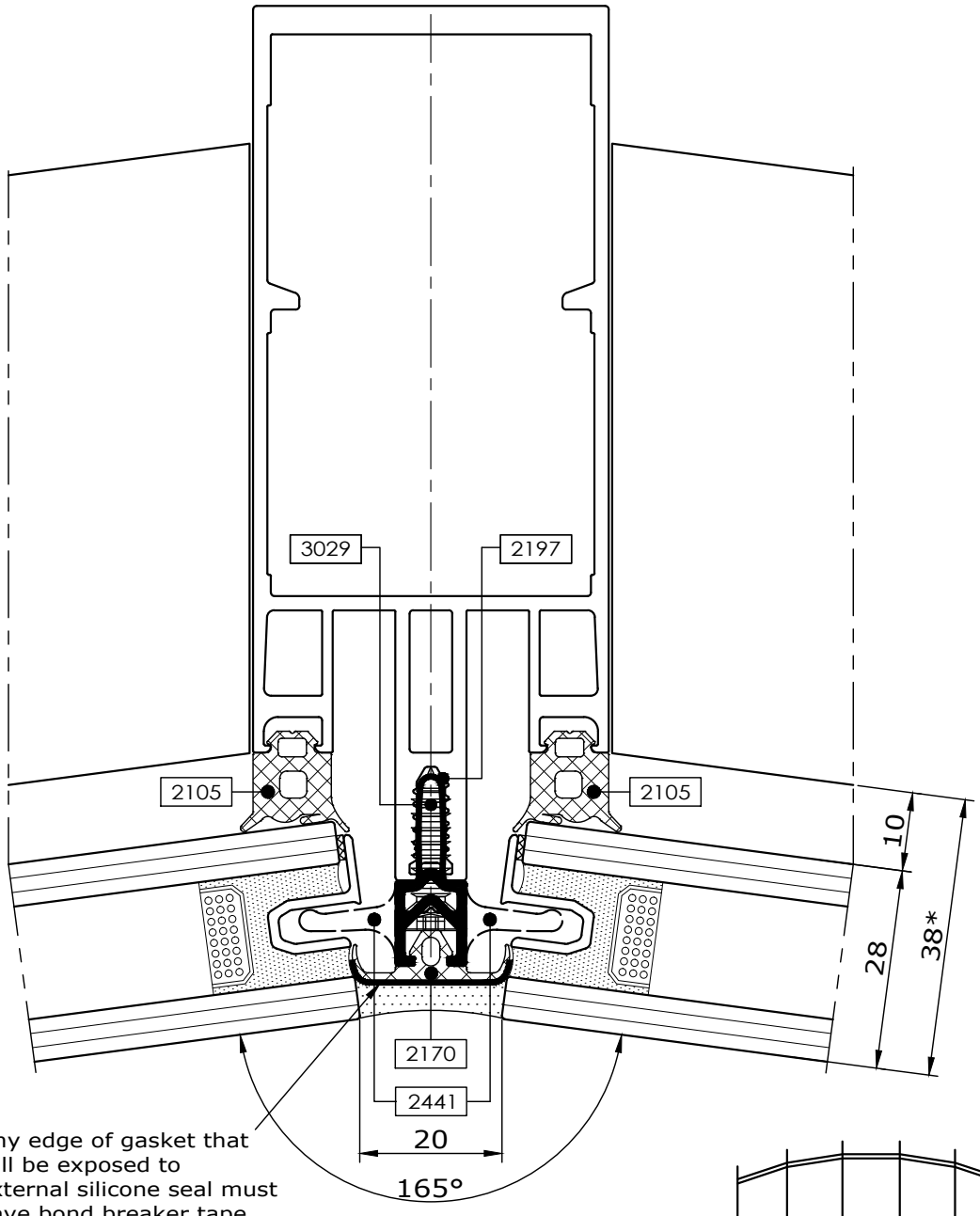
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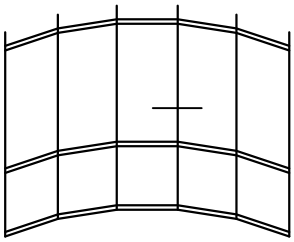
Mullion detail
Facetted facade
7.5° maximum

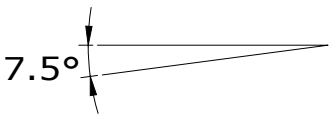


2.90



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





* Refer to Glazing Chart for glazing options

Fabricators Guide

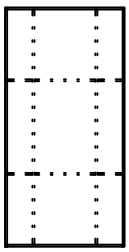
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comar
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Typical details 2

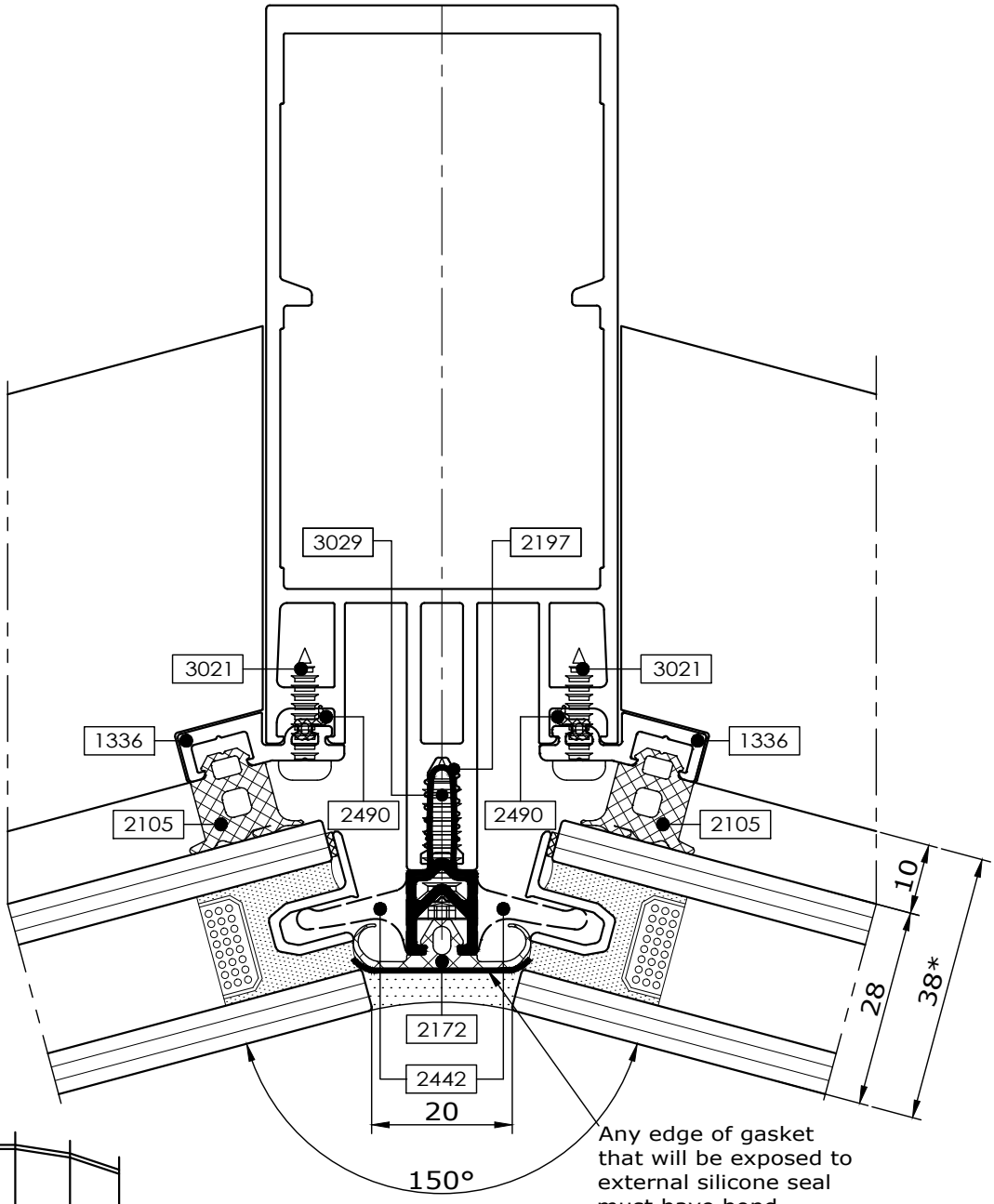
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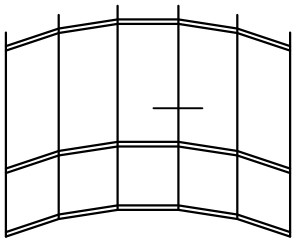


Mullion detail
Facetted facade
15° nominal

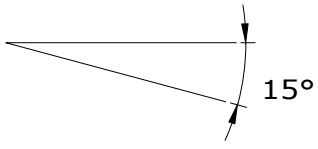
2.91

Fabricators Guide





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



* Refer to Glazing Chart for glazing options

comar
ARCHITECTURAL ALUMINIUM SYSTEMS

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Sous reserve de modifications
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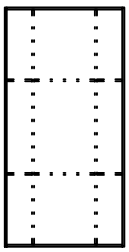
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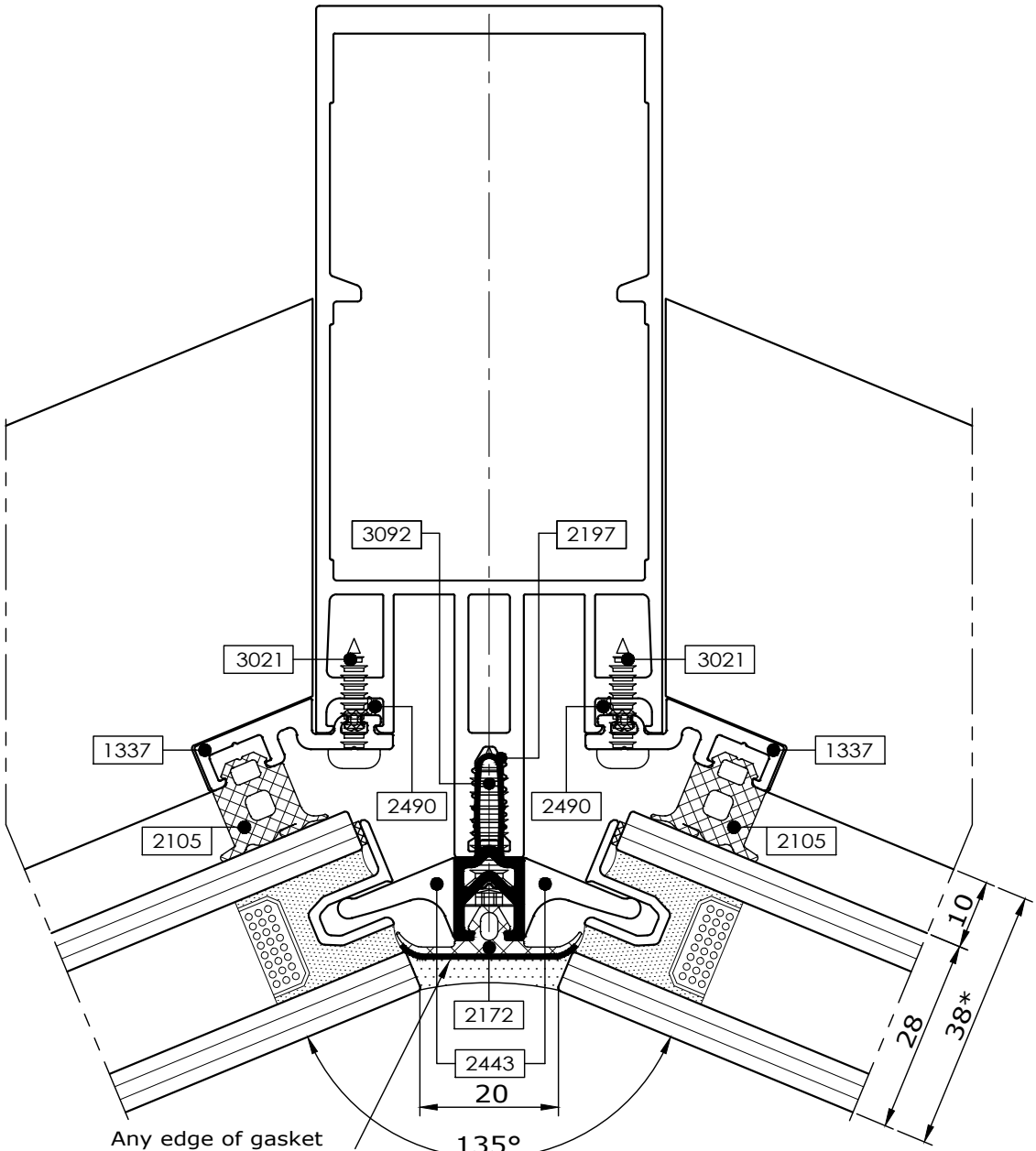
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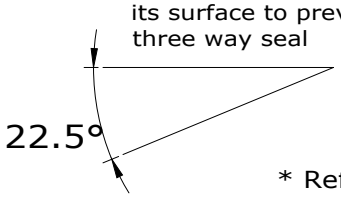
Mullion detail
Facetted facade
22.5° nominal

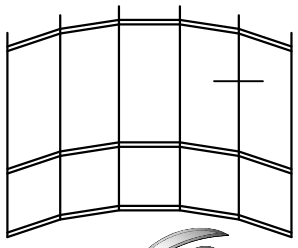


2.92



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





* Refer to Glazing Chart for glazing options

Fabricators Guide

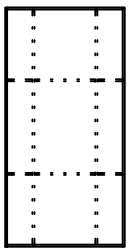
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Date : 10 -16

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Typical details 2

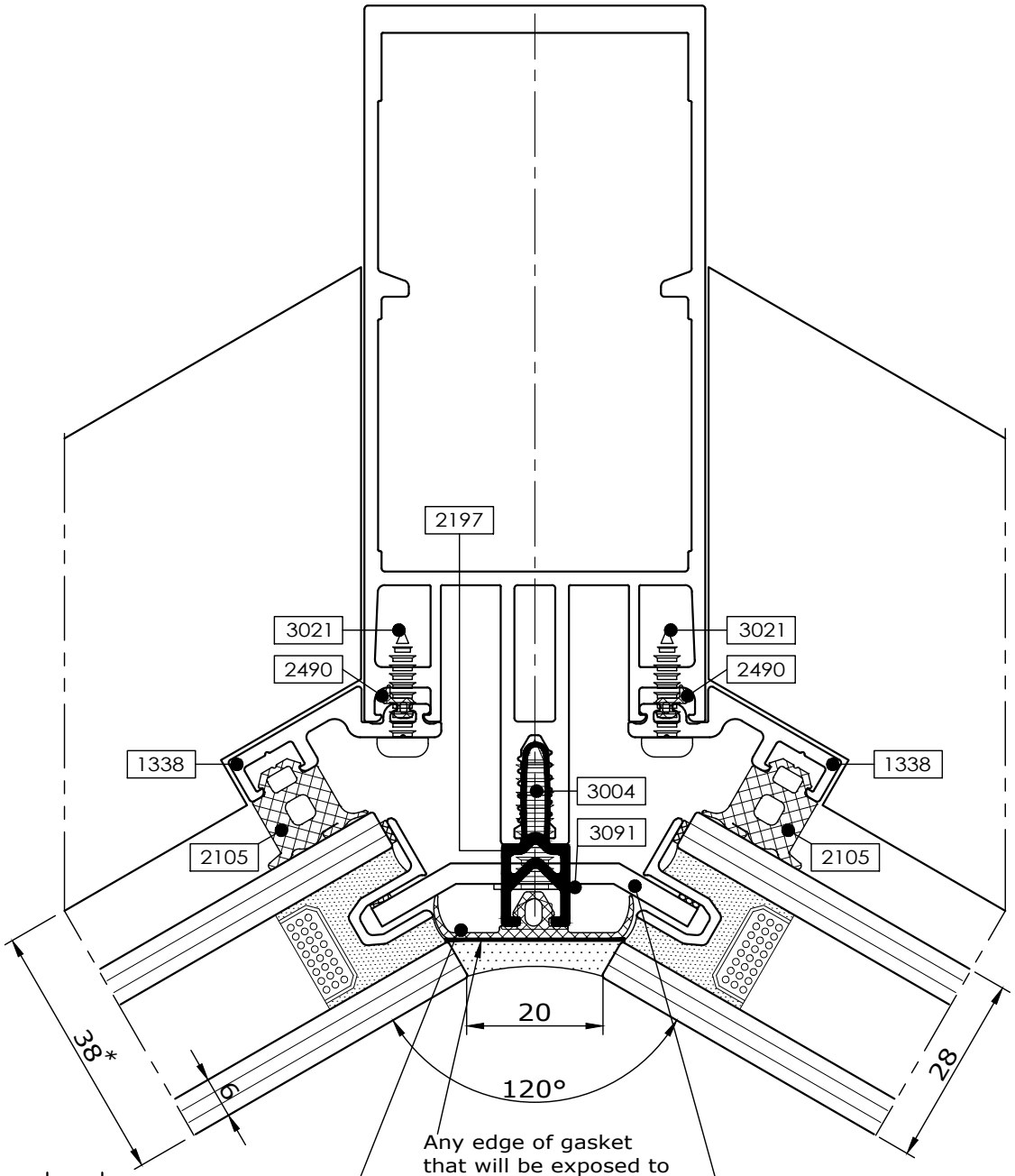
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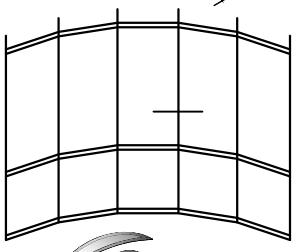


Mullion detail
Facetted facade
30° nominal

2.93

Fabricators Guide



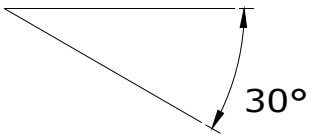


2172

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

Clamp by Comar (see 6.21)

* Refer to Glazing Chart for glazing options



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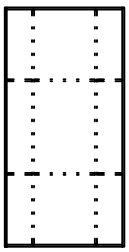
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Issue: 05
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2 Typical details

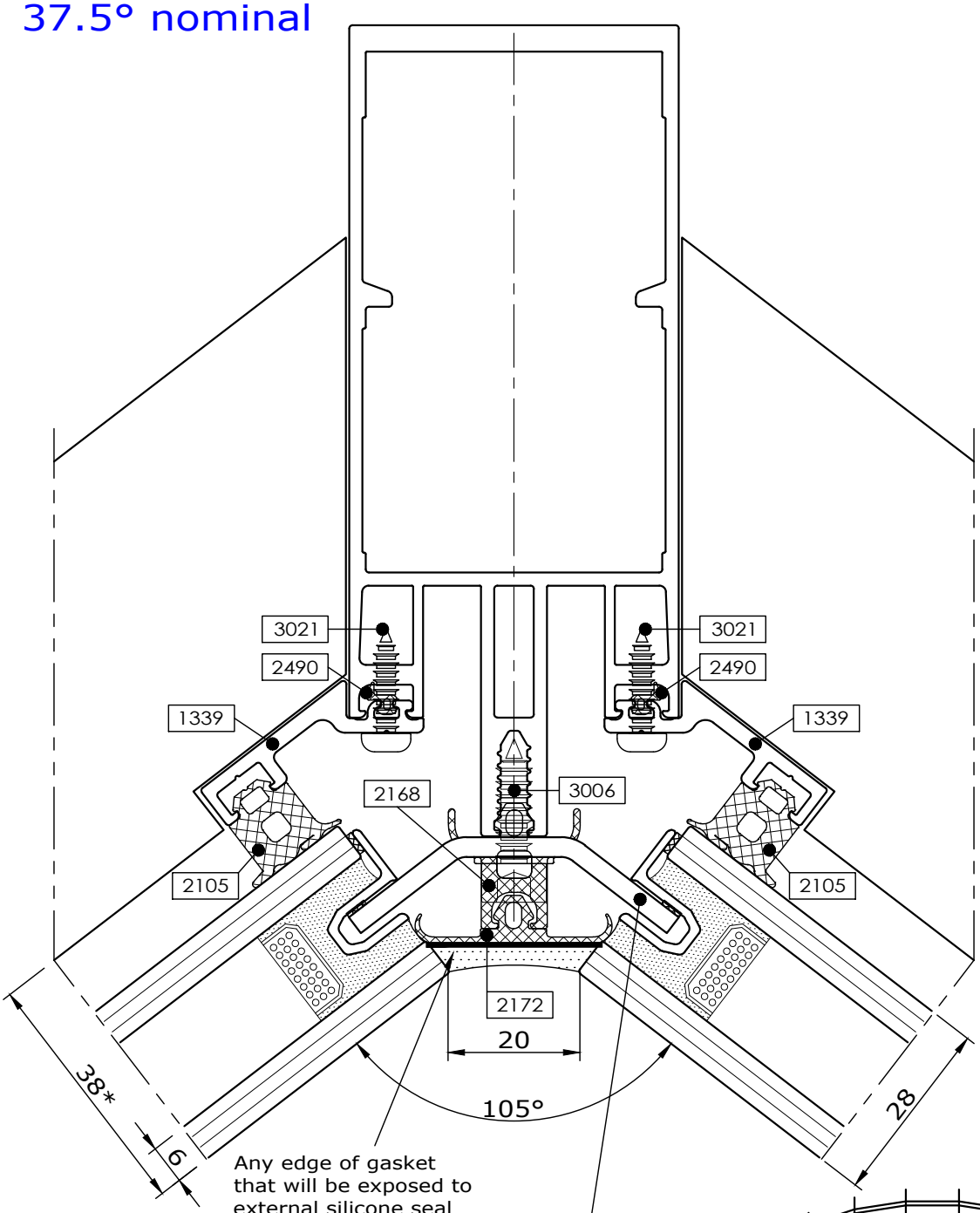
Comar 6EFT



2.94

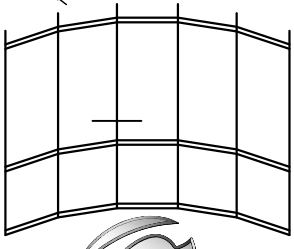
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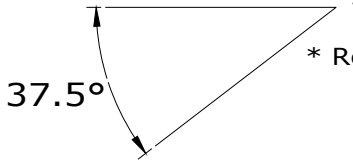
Mullion detail
Facetted facade
37.5° nominal



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

Clamp by Comar (see 6.21)





* Refer to Glazing Chart for glazing options

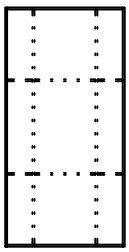
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Typical details 2

Comar 6EFT

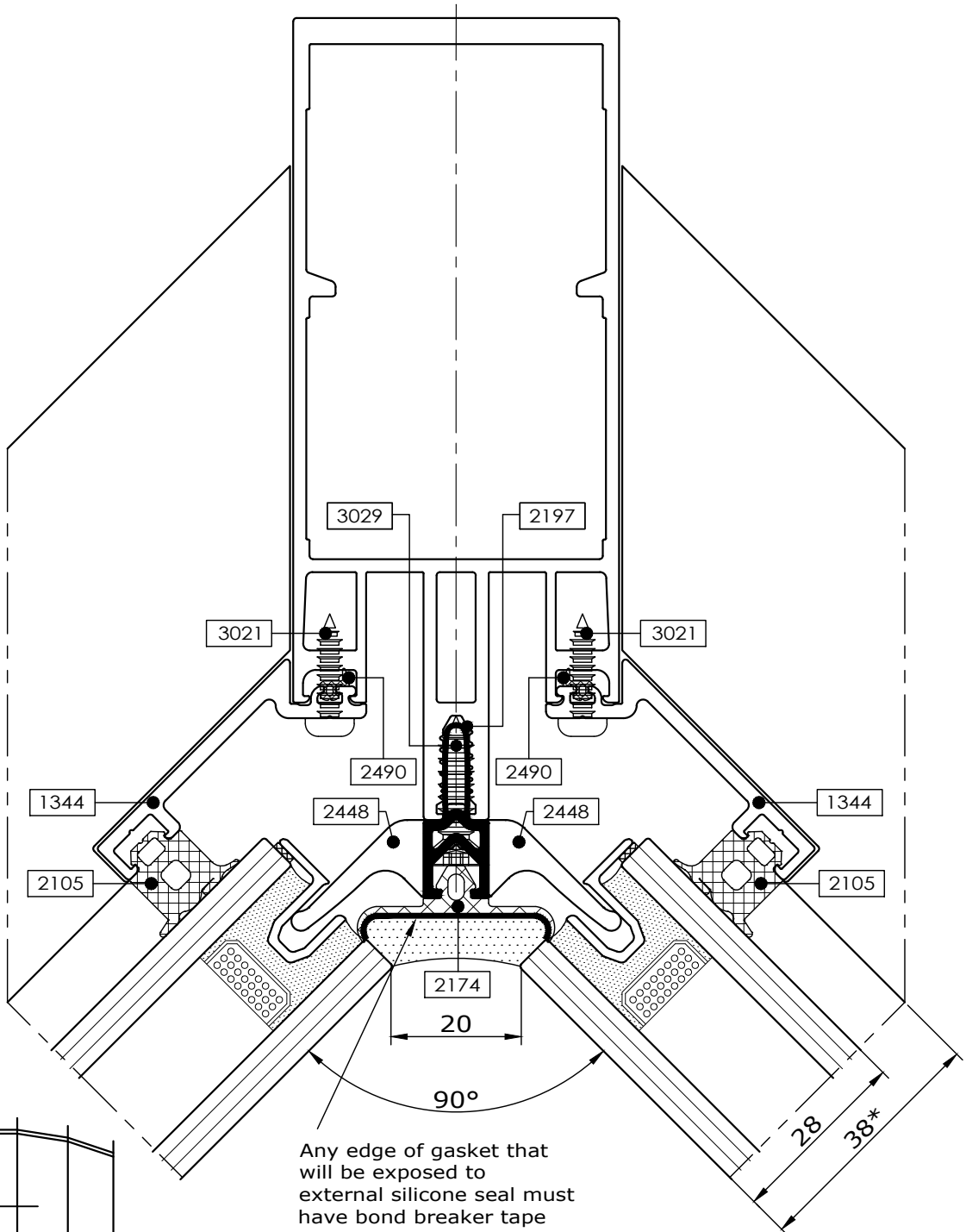


Mullion detail
Facetted facade
45° nominal

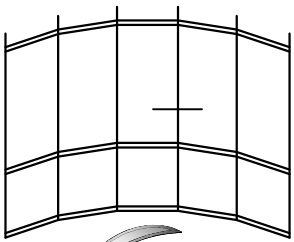
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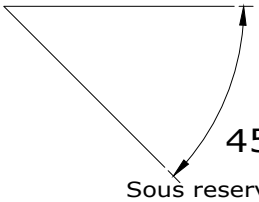
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Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal





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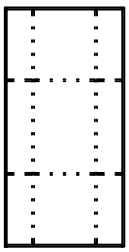
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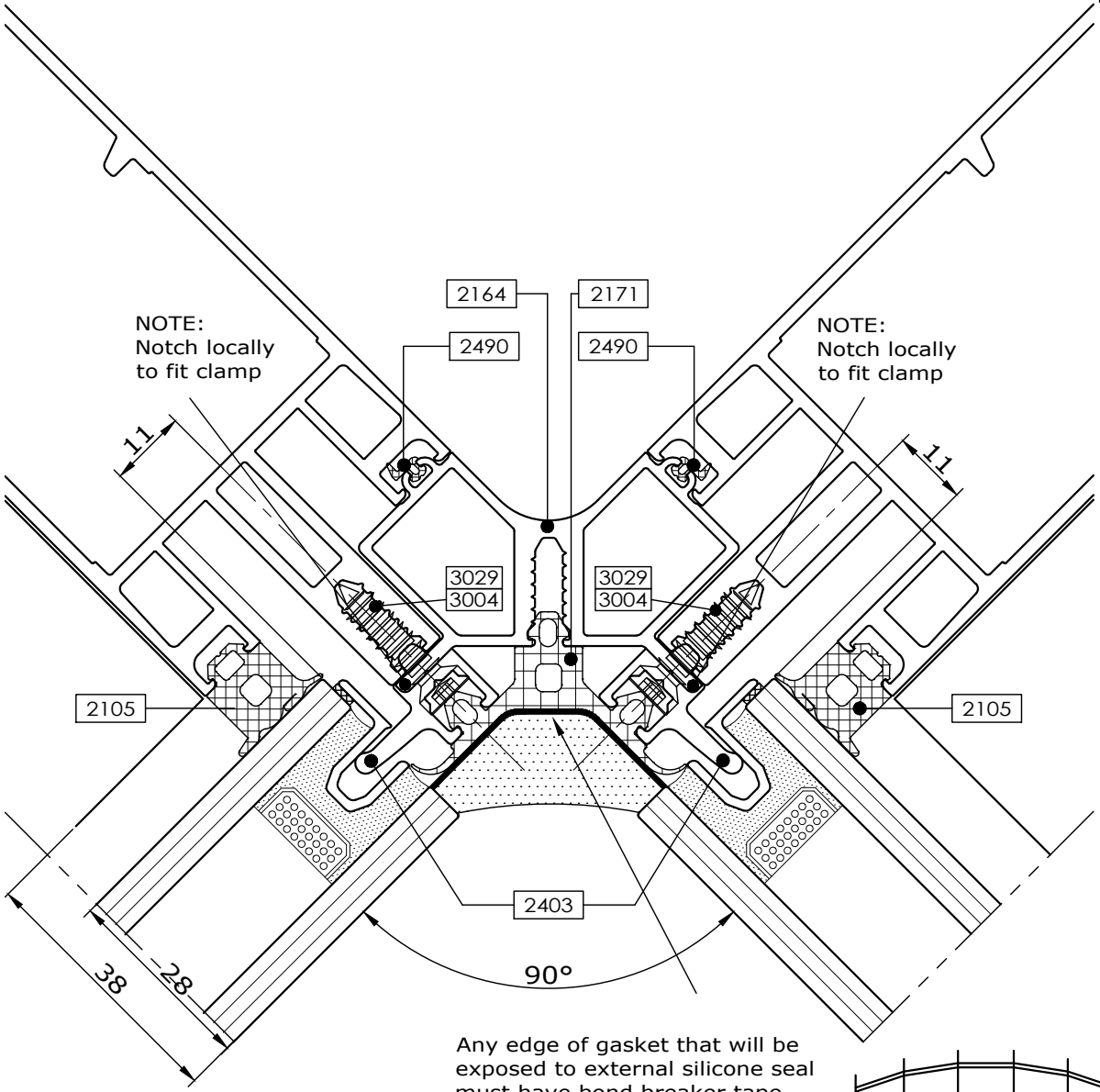
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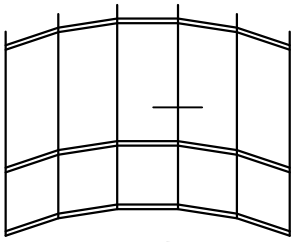
Mullion detail
Facetted facade
45° nominal

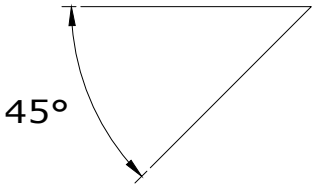


2.96



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





* Refer to Glazing Chart for glazing options

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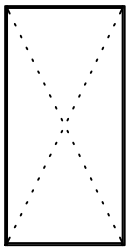
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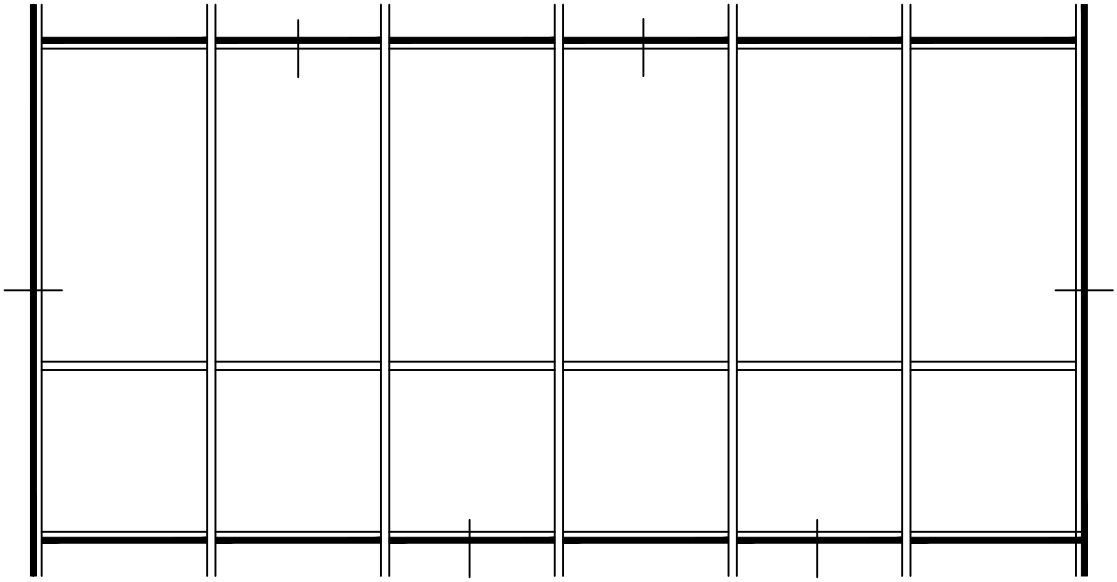
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Perimeter Detail

Comar 6EFT



2.100



Capped
2Sided SGH
2Sided SGV
4Sided SG

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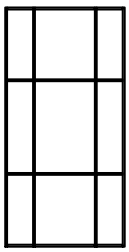
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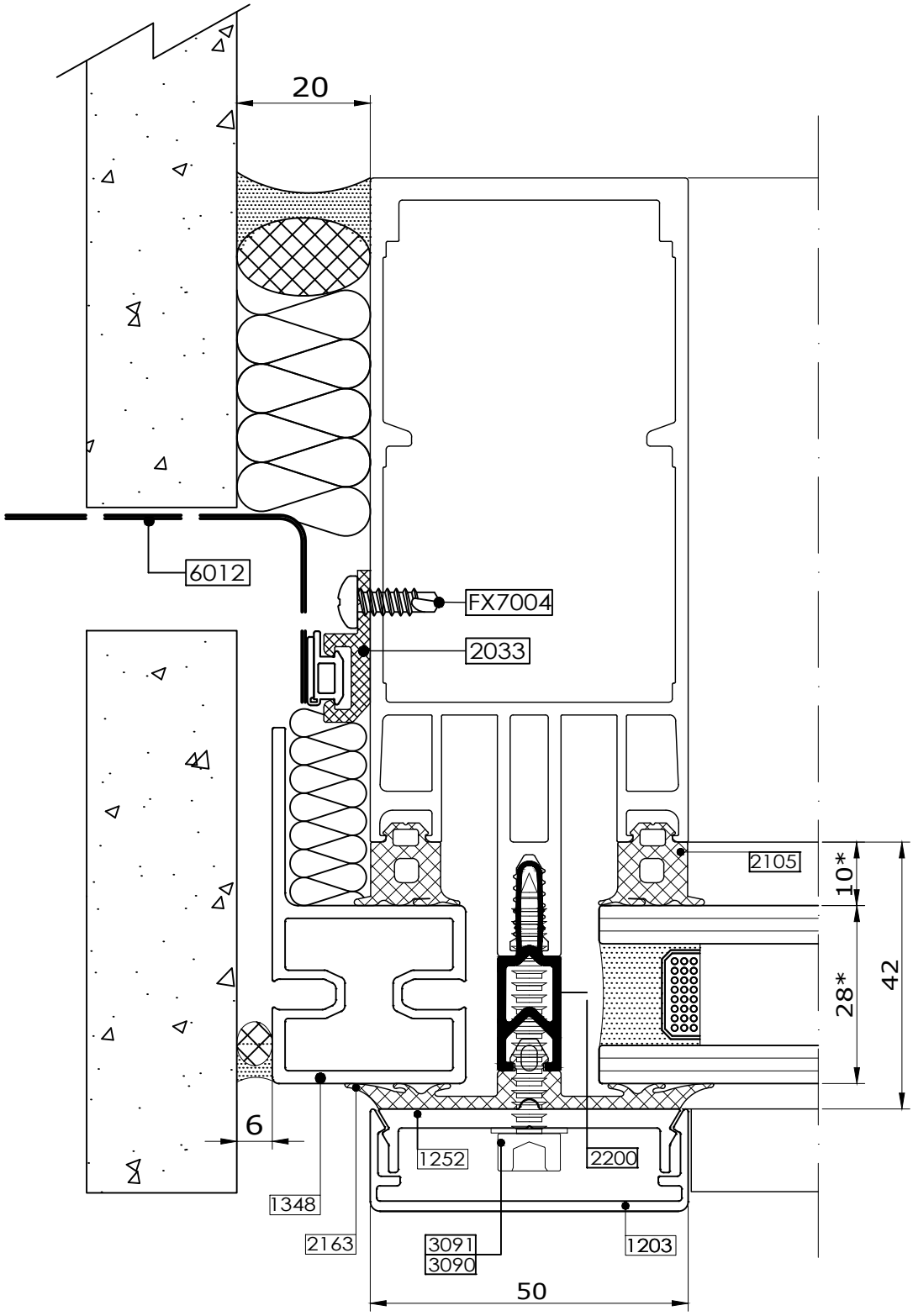
Typical details 2

Comar 6EFT

Perimeter mullion detail



2.101



* Refer to Glazing Chart for glazing options

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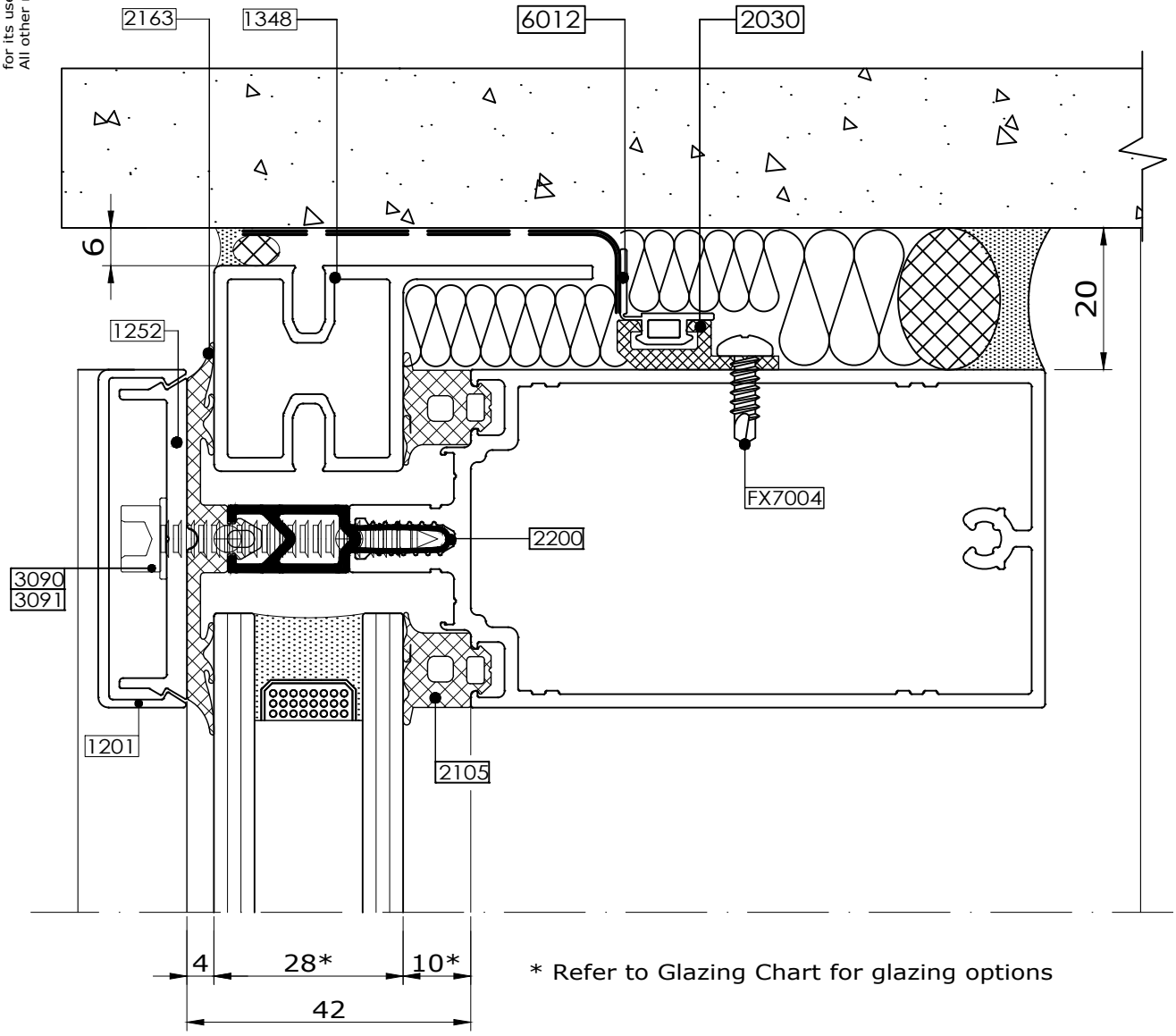
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Transom head detail

Comar 6EFT

2.102



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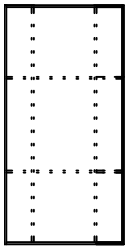
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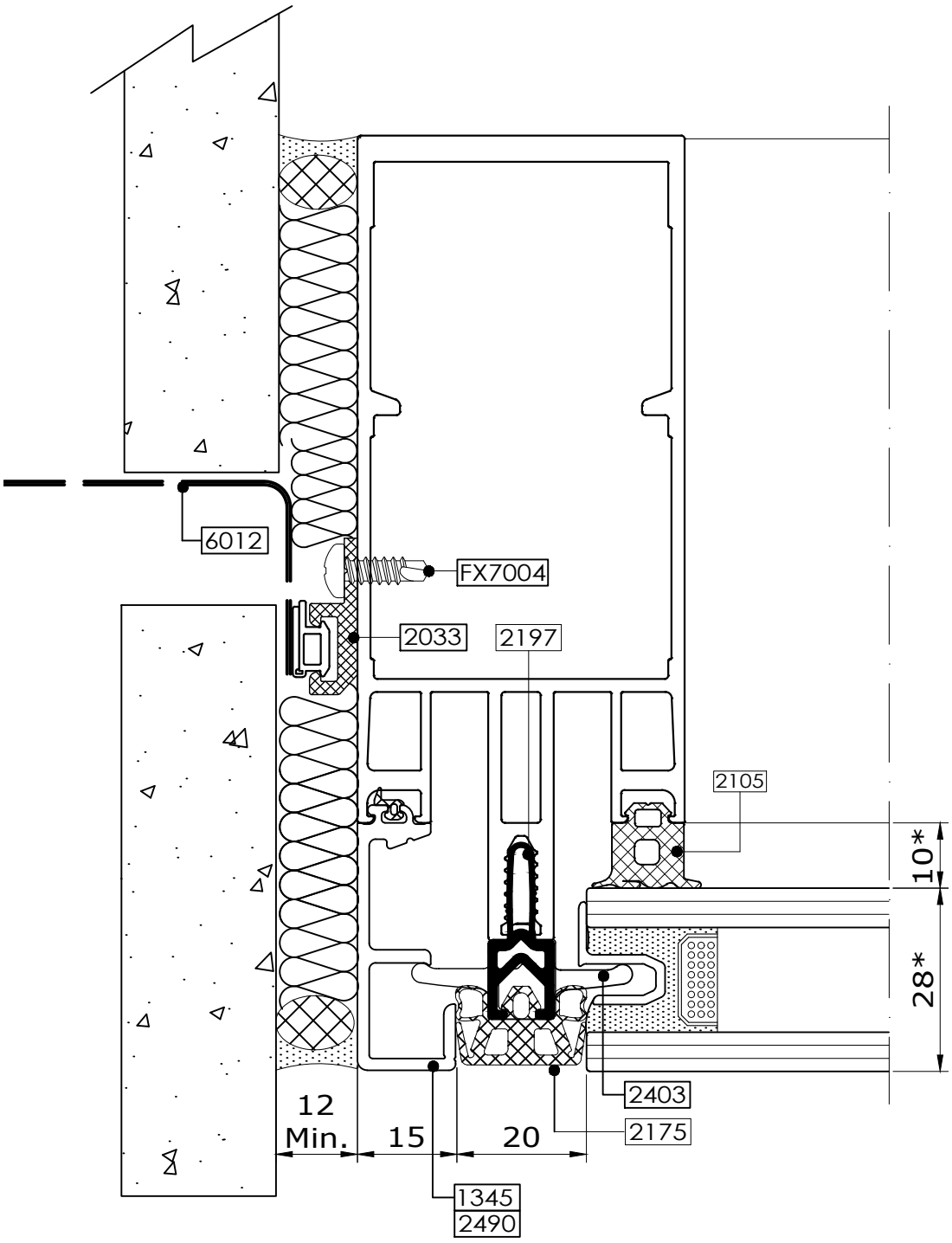
Typical details 2

Comar 6EFT

Mullion jamb detail gasket seal



2.103



* Refer to Glazing Chart for glazing options

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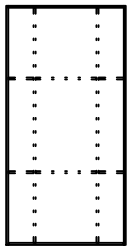
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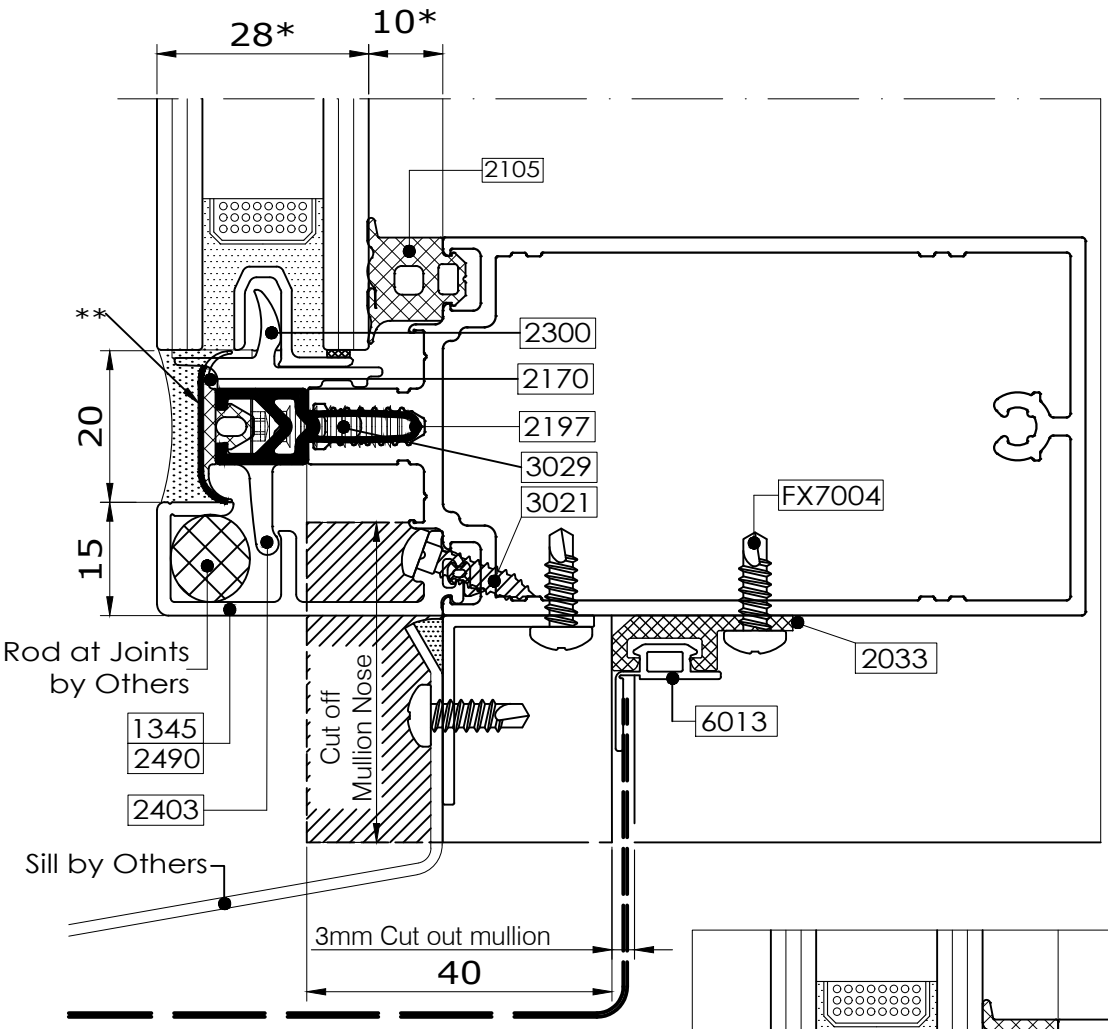
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Transom sill detail
Silicone & gasket seal

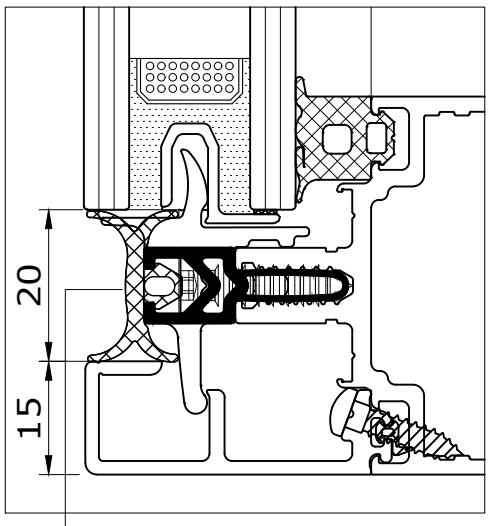


2.104



* Refer to Glazing Chart for glazing options

**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



Also available with gasket seal using EFT gasket 2175,2182

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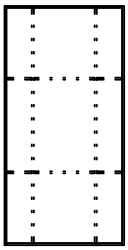
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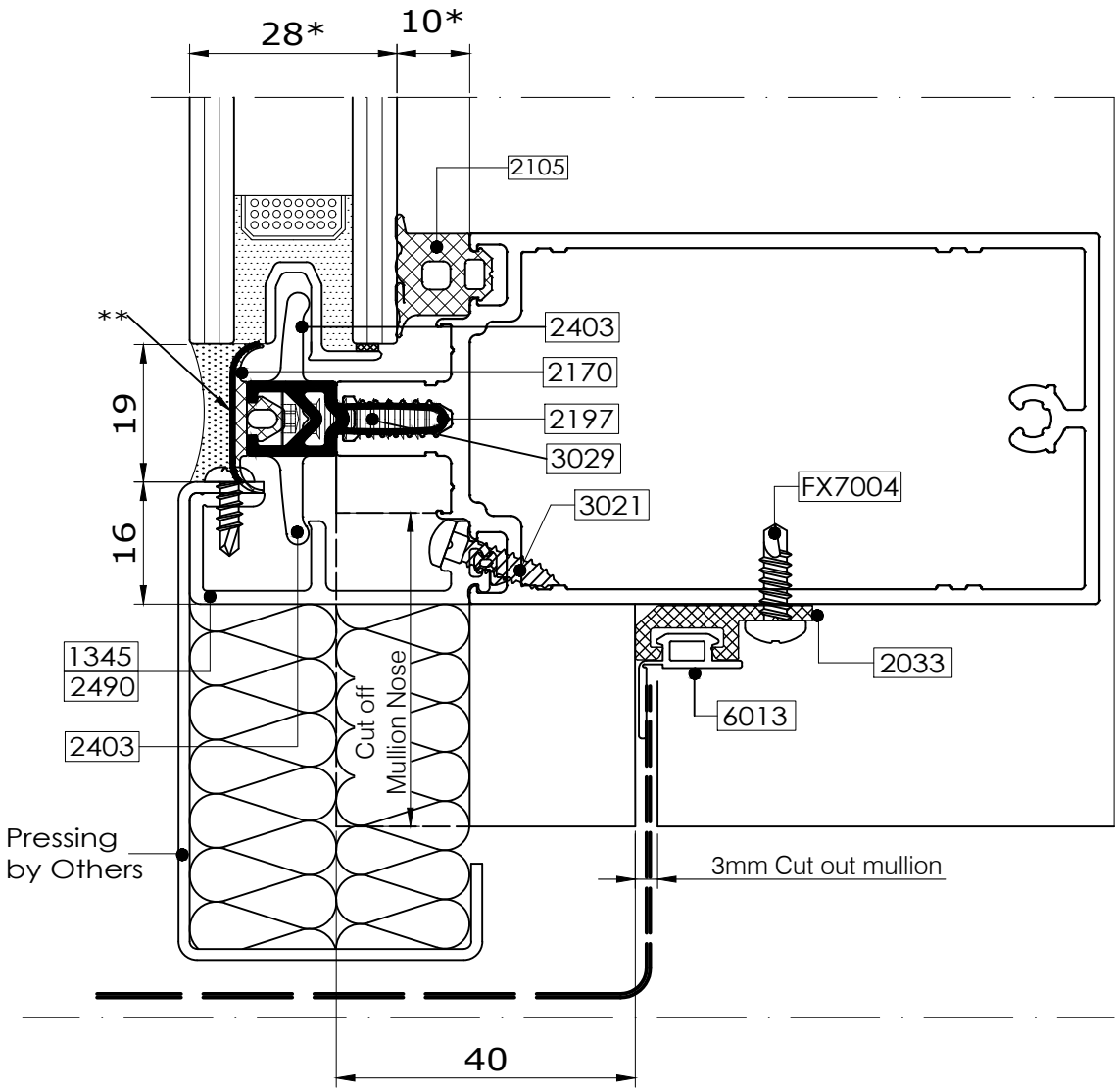
Typical details 2

Comar 6EFT

Transom sill detail
Silicone seal



2.105



Fabricators Guide

* Refer to Glazing Chart for glazing options

**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

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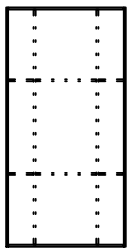
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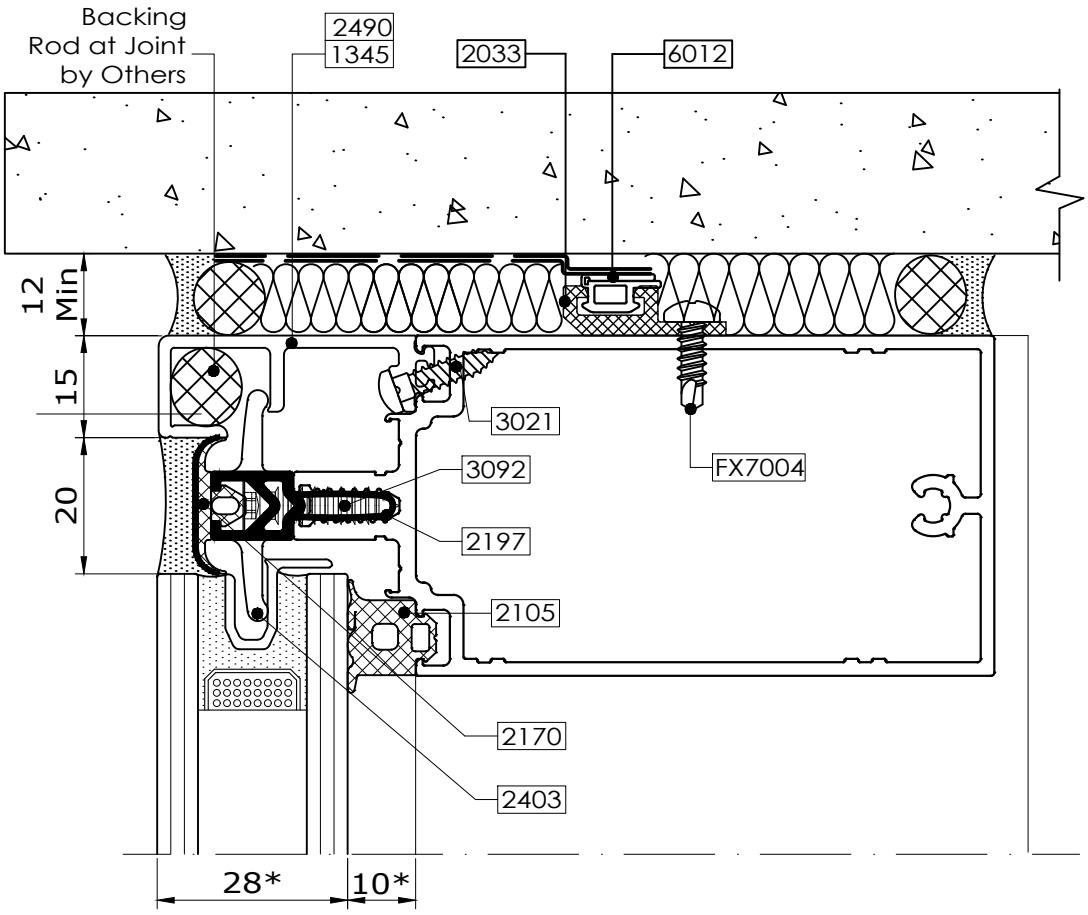
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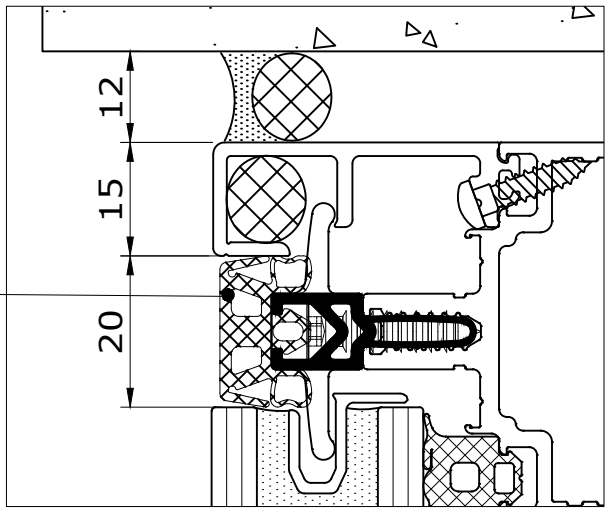
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Transom head detail
Silicone & gasket seal





Also available with gasket seal using EFT gasket 2175,2182



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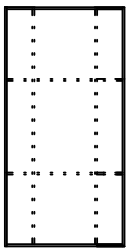
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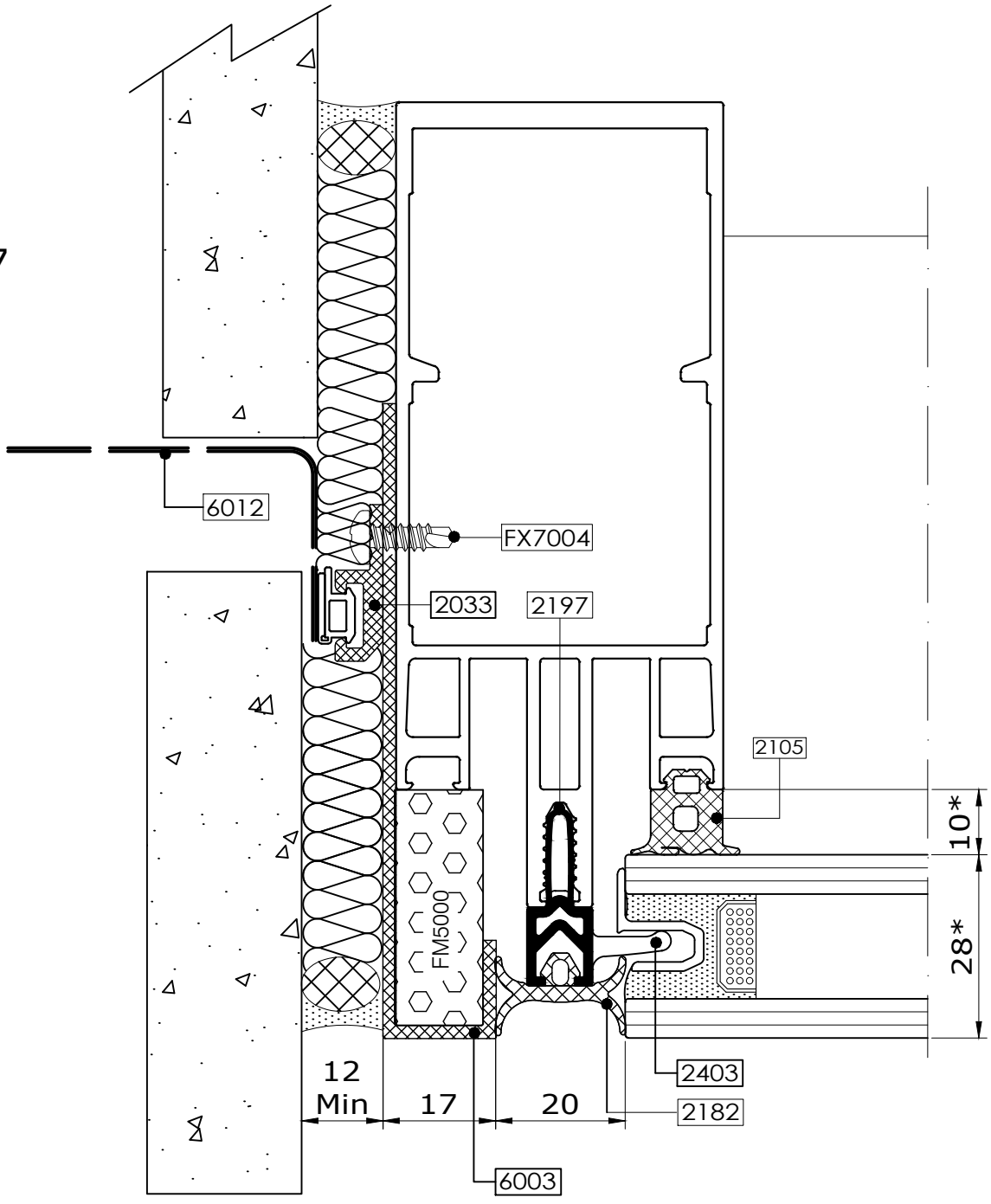
Typical details 2

Comar 6EFT

Mullion perimeter
Jamb closure detail



2.107



* Refer to Glazing Chart for glazing options

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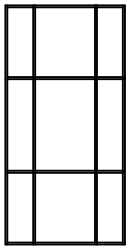
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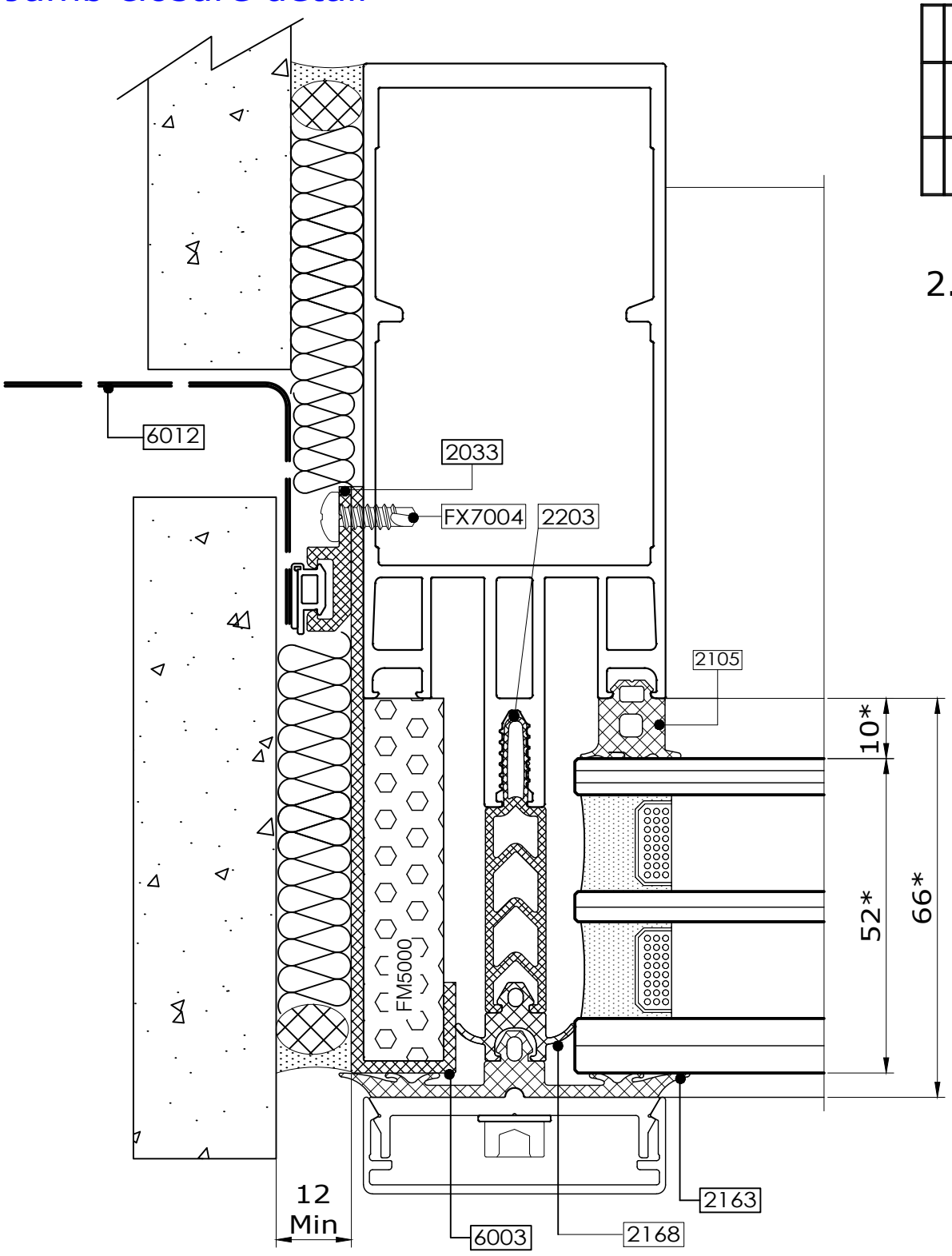
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Mullion perimeter
Jamb closure detail



2.108



* Refer to Glazing Chart for glazing options

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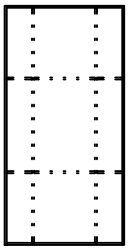
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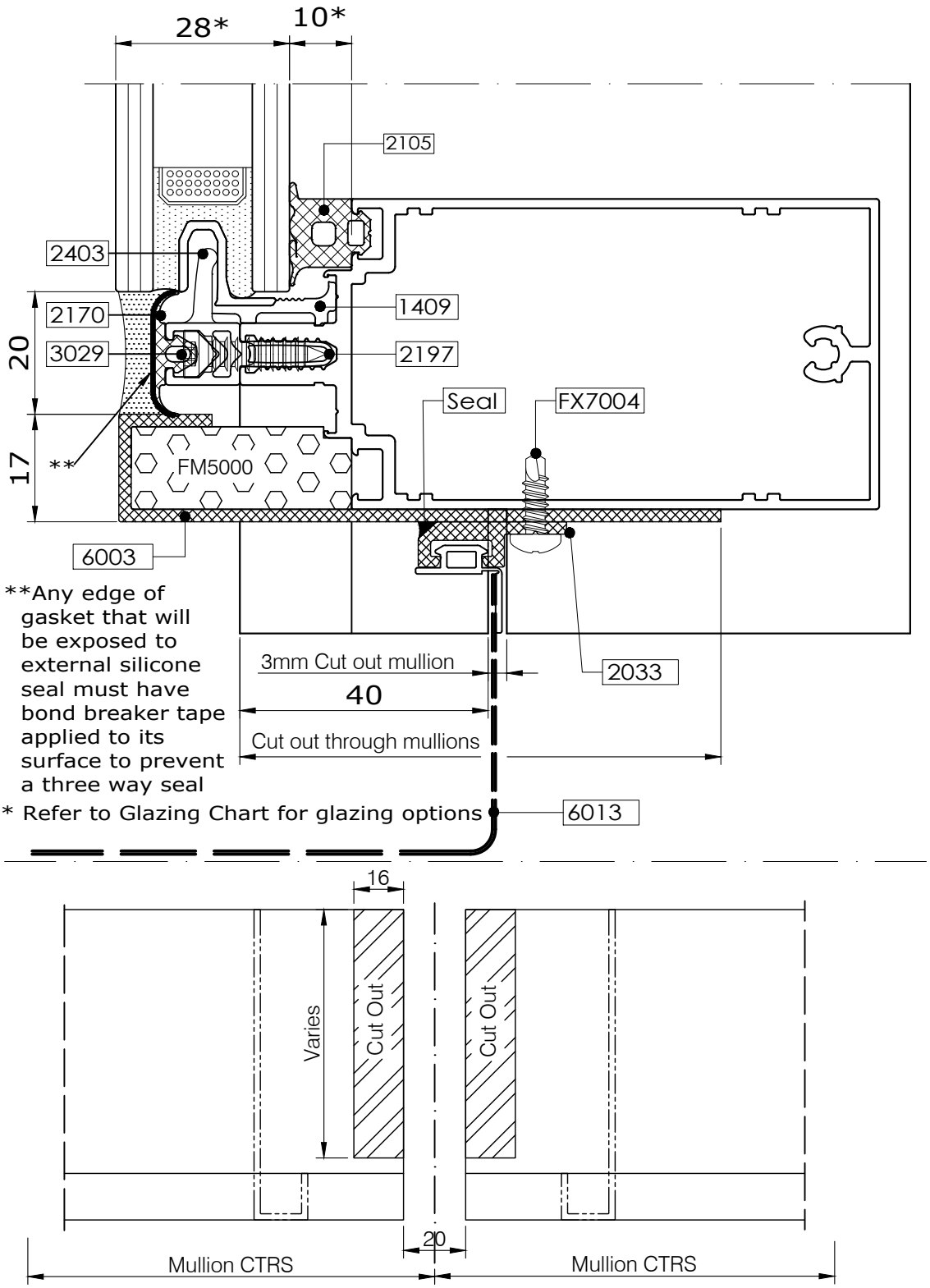
Typical details 2

Comar 6EFT

Transom sill Closure detail



2.109



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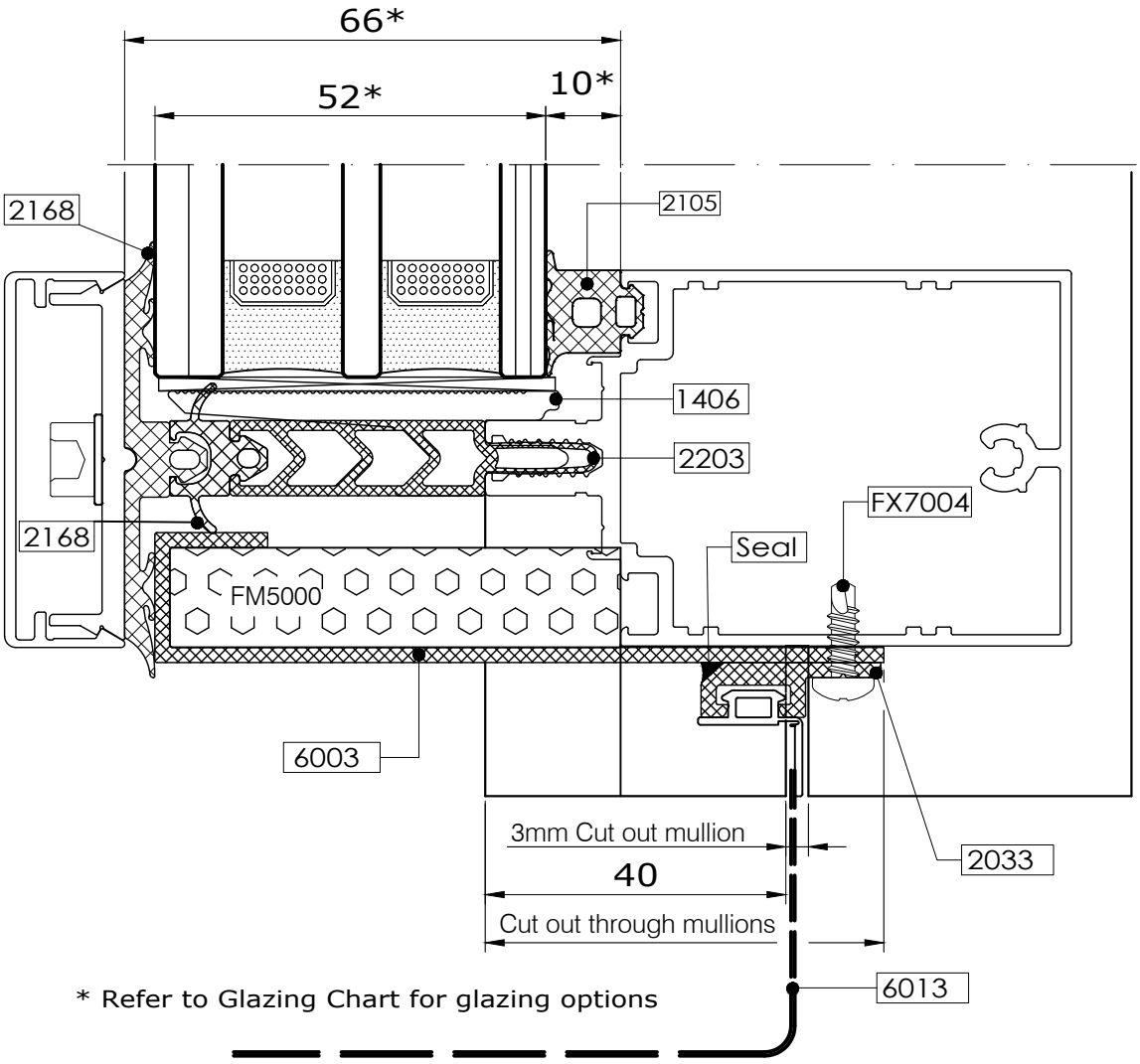
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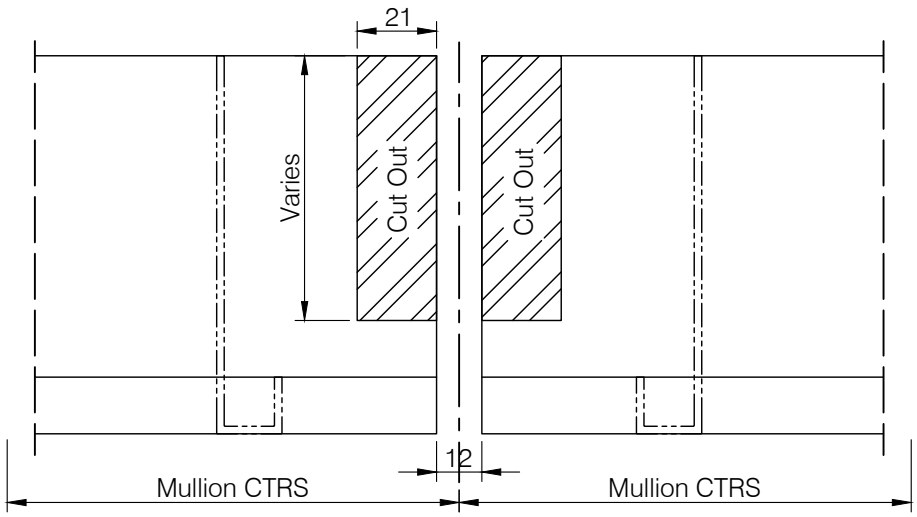
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Transom sill Closure detail





2.110

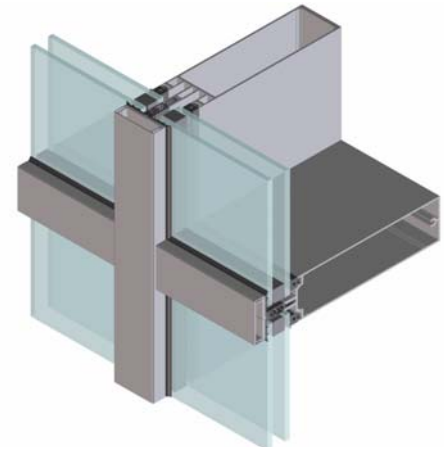
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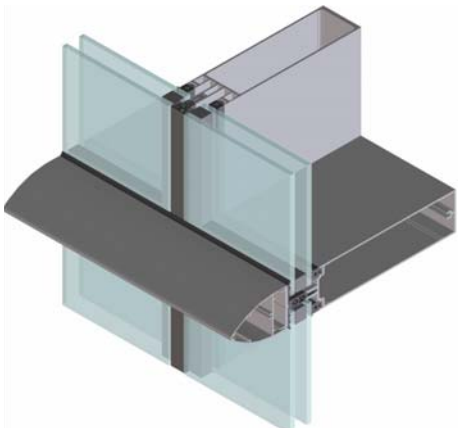
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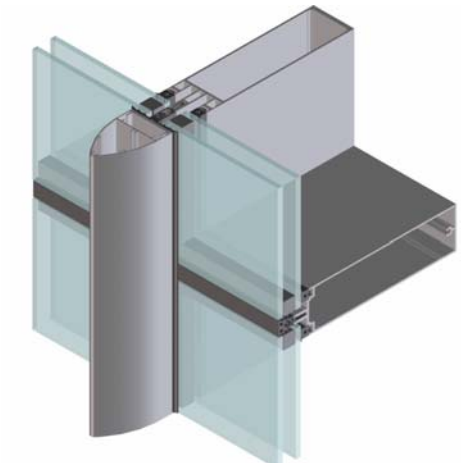
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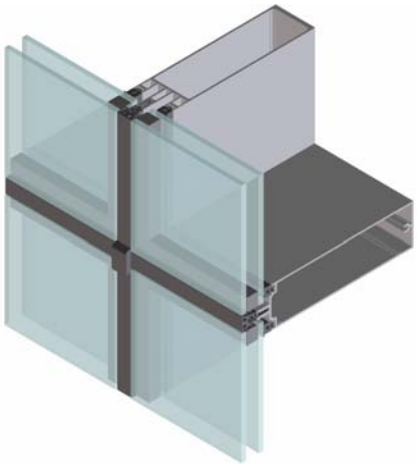
Capped



2 sided SGH



2 sided SGV



4 sided SG

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comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Important Information

BONDING AND SEALING - ADHESIVE DETAILS

For Comar 6 EFT Curtain Walling System

1. For the 20mm Glass to Glass sealant joint, you can use Dow Corning 797. This is a one part low modulus silicone sealant, for laminated and surface coated glass contact Dow Corning for suitability. If using other brands please ensure that it is suitable. A bond breaker tape is required to the outside gasket surface to prevent a three way seal. Minimum joint sealant thickness is usually 6mm with a ratio of 2:1.

   It is advisable to use an approved applicator to ensure quality of workmanship. Your Sealant Supplier can advise your nearest agent.

2. For Structural Bonding applications (double glazed units / single glass panes to frames and Concealed Vents) Dow Corning sealant 993 is recommended. When bonding to aluminium it is recommended that the bonding surface is anodised prior to bonding. Alternatively, if bonding to powder coat or other finish the bonding agent and the profile finish MUST be checked for compatibility by the finish applicator / sealant supplier.

3. For general external pointing Dow Corning 791 (or equivalent) with appropriate backer rod is recommended for gaps to walls etc.

4. The gasket sealant is specified by us as this forms an important part of the rebate seal and is specified as Arbomeric MP20 from Adshead Ratcliffe. Therefore gasket joints and any bedding required (including all transom gasket grooves) should have this sealant applied. One should also bed 100mm up or down the vertical (mullion) from a transom corner joint.

5. The above notes are for guidance only and any customer should satisfy themselves that the product being used is fit for purpose.

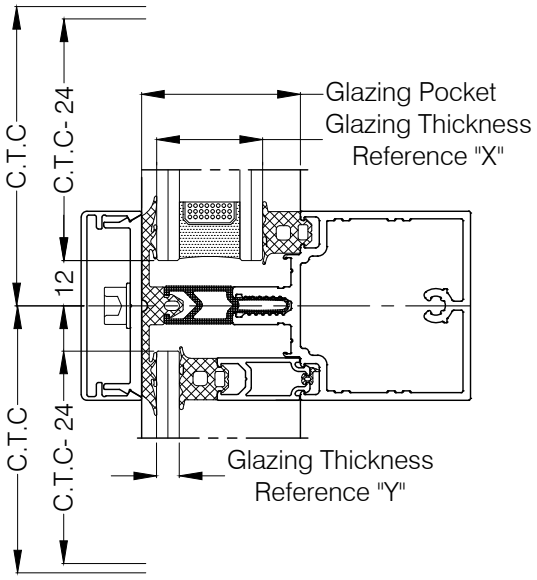
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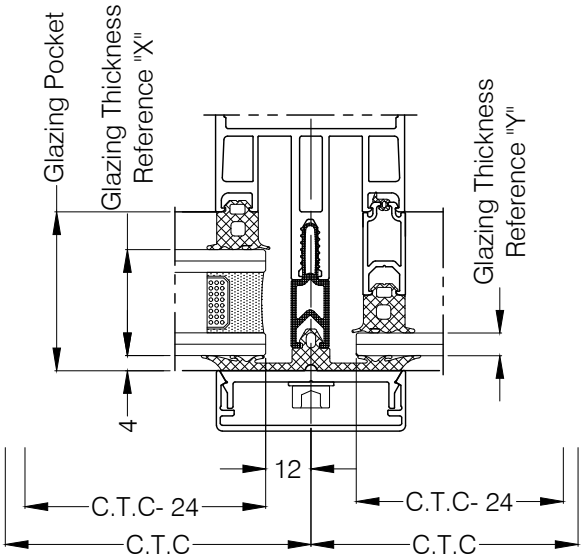
Issue: 05
Date : 10-16

Important information

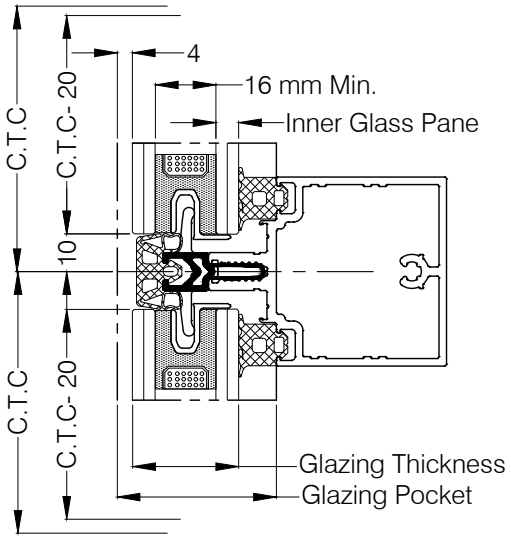
Glass cutting sizes
For standard curtain walling glass cutting sizes are:
C.T.C - 24mm e.g. 7mm ventilation gap.
For 2 and 4 sided structural glazing glass cutting sizes are:
C.T.C - 20mm e.g. 5mm ventilation gap.

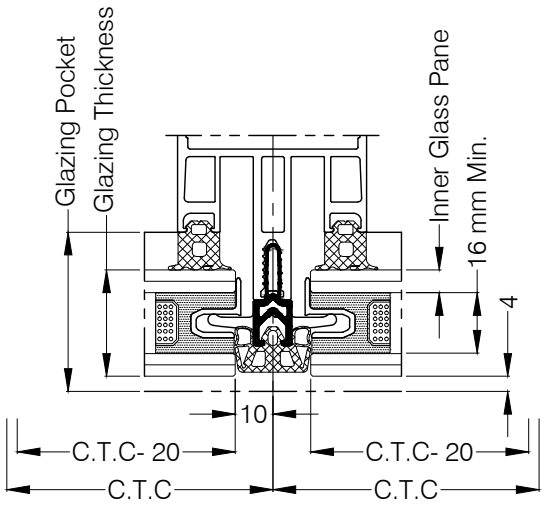
Standard Curtain walling





Structural Sealed Glazing





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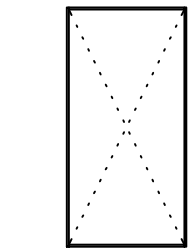
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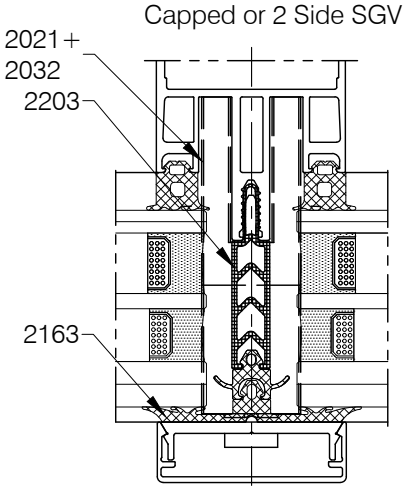
Detail section

Inner Glass Thickness 6-11 mm

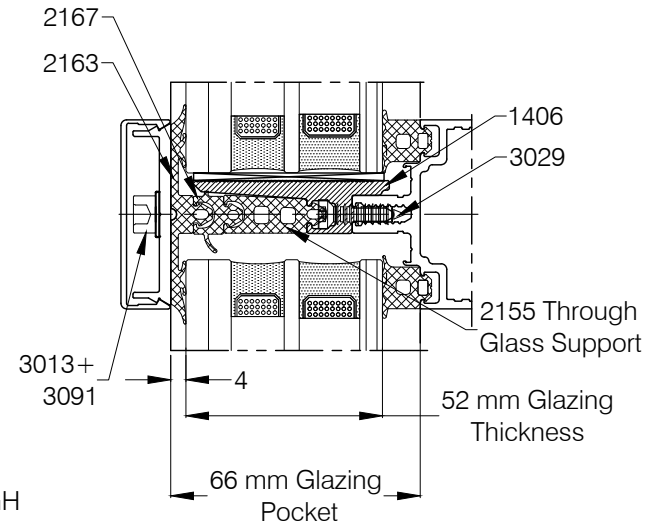


3.00

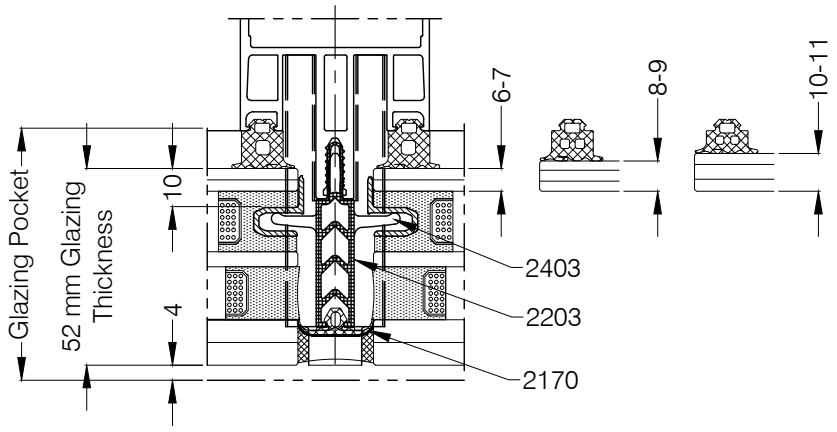
Capped or 2 Side SGV



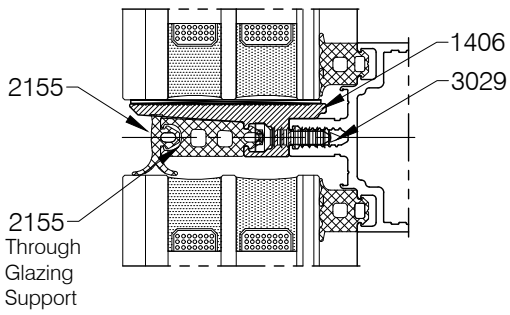
Capped or 2 Side SGH



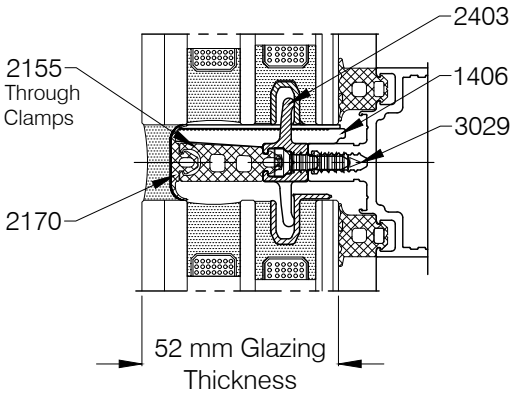
4 Side SG or 2 Side SGH



4 Side SG or 2 Side SGV



4 Side SG or 2 Side SGV



Fabricators Guide

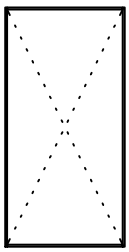
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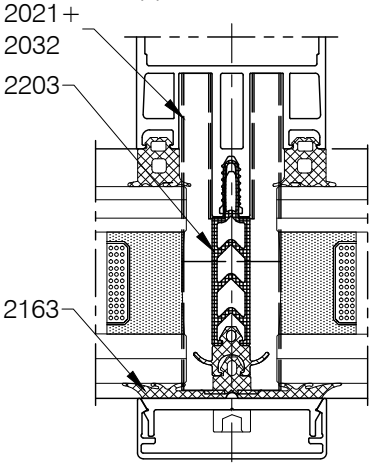
Detail section



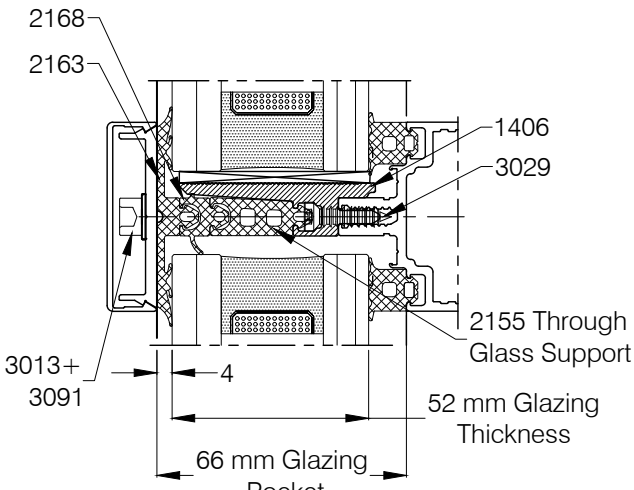
Inner Glass Thickness 12-18 mm

3.01

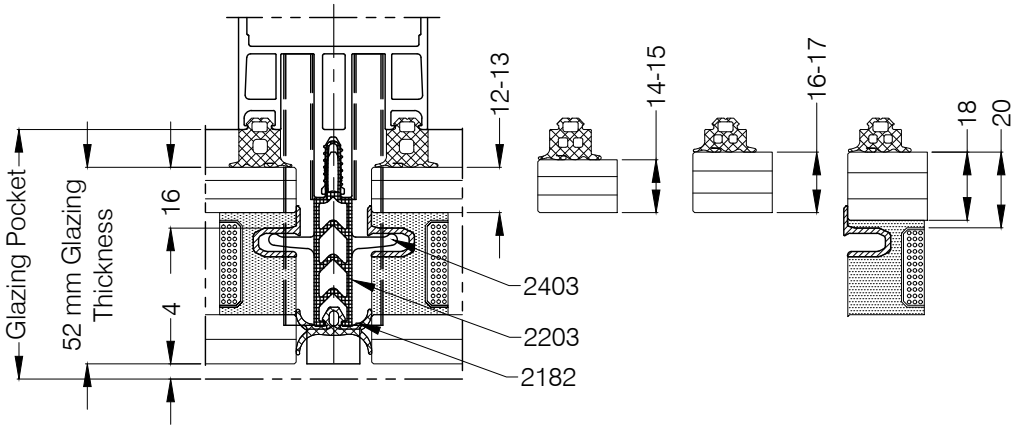
Capped or 2 Side SGV



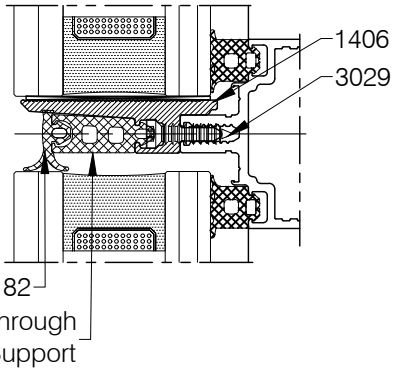
Capped or 2 Side SGH



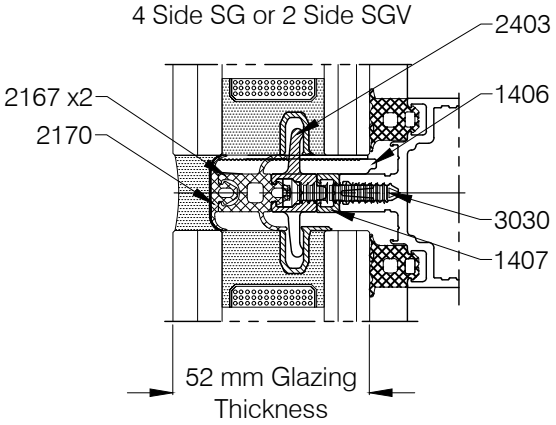
4 Side SG or 2 Side SGH



4 Side SG or 2 Side SGV



4 Side SG or 2 Side SGV



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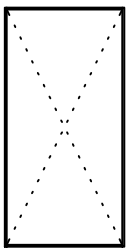
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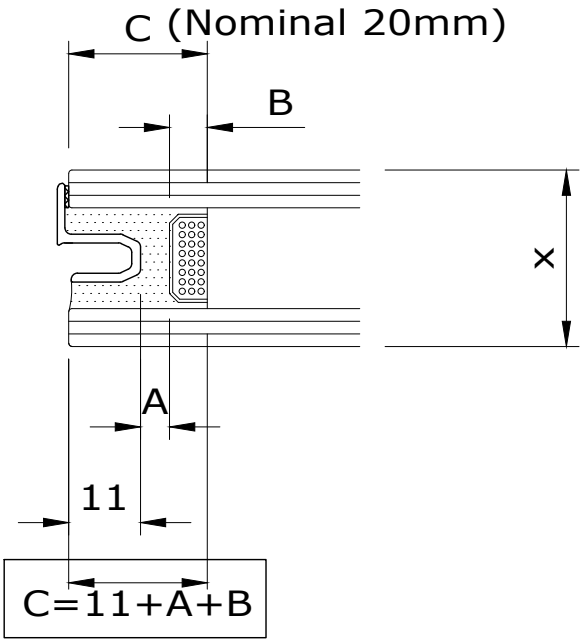
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Structural sealed units



A Sealant dimension C (side line spacer)

The sealant dimension (A) is set by your glass supplier according to standards and calculations made and as set by the structural sealant supplier (re: warranty)



3.02

B Sealant dimension A

Dimension A depends on and/or will be influenced by:

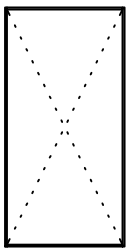
- if for 2 or 4 sided structural glazing
- Project situation (location- building height etc.) requirements / windload etc.
- Glazing insert length (standard length / pcs = 100mm)
- Number of inserts used (depends on if 2 or 4 sided structural glazing)
- Glass size / load - weight
- Structural Sealant type used

C Other

For further information, details and options please check Fabrication details

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Glazing thickness & inserts

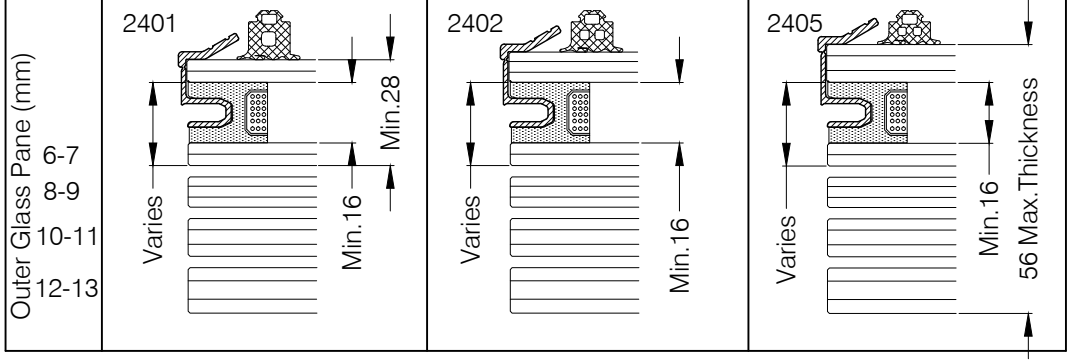


3.03

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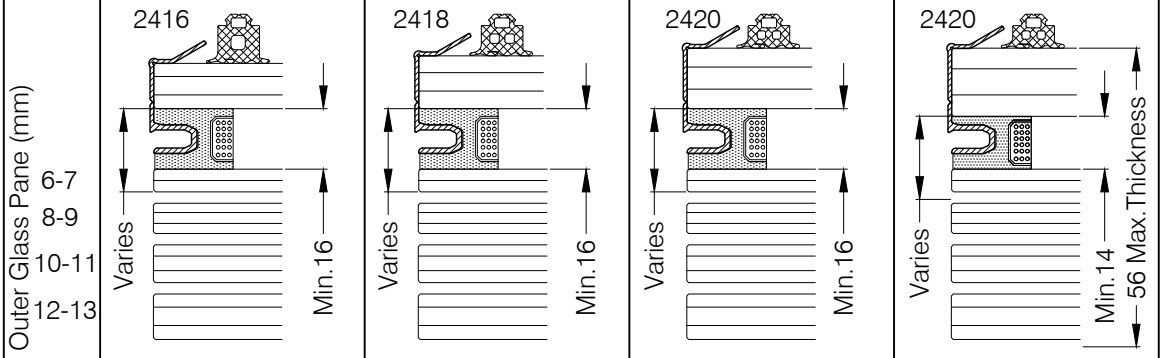
Double or Triple Glass Panel- 2 Side SGH, 2 Side SGV, 4 Side SG

Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	Inner Glass Pane (mm) 8-9	Inner Glass Pane (mm) 10-11
6-7, 8-9, 10-11, 12-13	2401	2402	2405



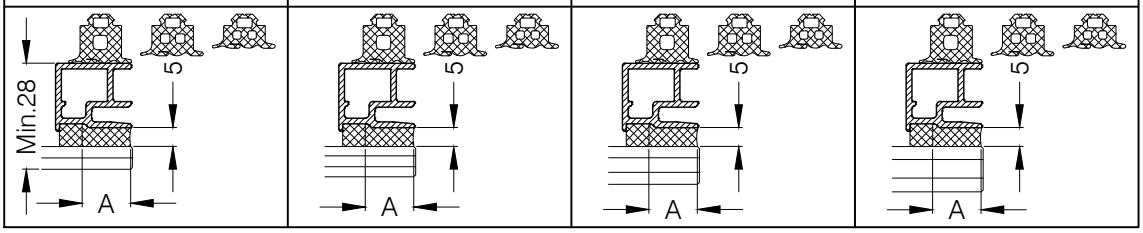
Double or Triple Glass Panel- 2 Side SGH, 2 Side SGV, 4 Side SG

Outer Glass Pane (mm)	Inner Glass Pane (mm) 12-13	14-15	16-17	18
6-7, 8-9, 10-11, 12-13	2416	2418	2420	2420



Single Glass Panel- 2 Side SGH, 2 Side SGV, 4 Side SG

Outer Glass Pane (mm) 6-7	8-9	10-11	12-13



The sealant dimension (A) is set by your glass supplier according to standards and calculation.
For details see Glazing Chart.
For glazing thickness above 56mm please contact Technical Support.

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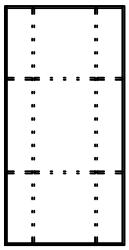
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Glazing Chart Explanation
4 sided SG C.W.



3.04

Glazing Pocket 48mm		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness 34	36	38
2102	6mm 2101	12			X			X
		10						18
		8					18	20
		6				18	20	22
2104	8mm 2103	12		X			X	18
		10					18	20
		8				18	20	22
		6				20	22	24
2106	10mm 2105	12	X			X	18	20
		10				18	20	22
		8				20	22	24
		6				22	24	

X = 16mm Minimum glazing spacer

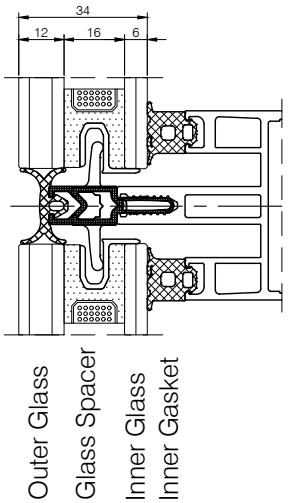
Highlighted options in row indicate same outer glazing thickness

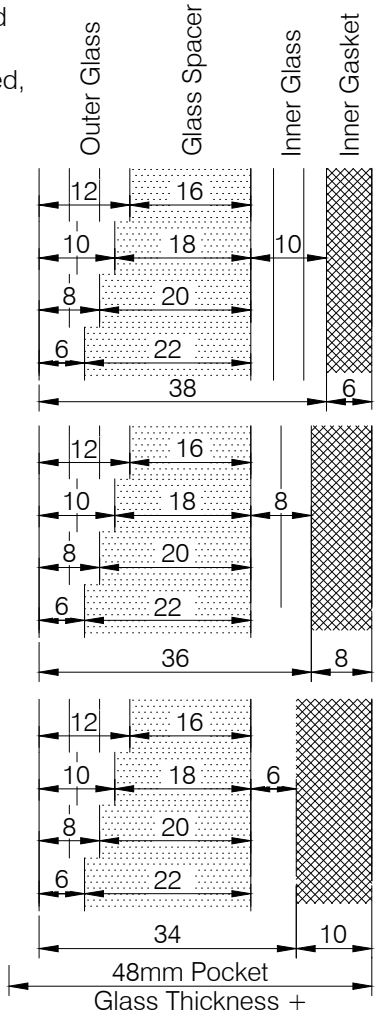
*Glazing Spacer Guide Size

Highlighted Options

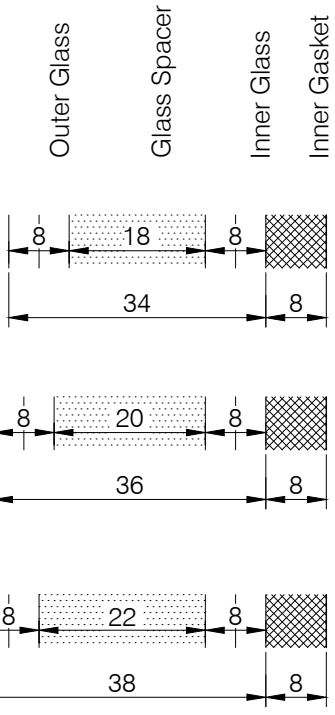
Highlighted options in column indicate outer glazing faces are aligned

*when choosing larger spacer sizes consult spacer manufacture and confirm correct components are selected, ie: gaskets, supports, clamps & drainage diverters.





Highlighted Options



Fabricators Guide

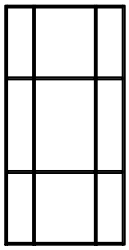
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Gaskets & glazing pockets



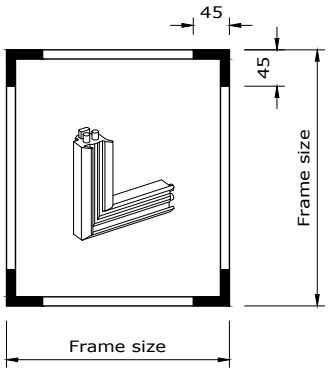
Important information

A **Internal gaskets**

For gaskets from 6 to 16 mm moulded corners are available to ensure secure excellent performance regarding water / air tightness. Seal joints with recommended sealant.

4 corners are required per frame, see sketch.

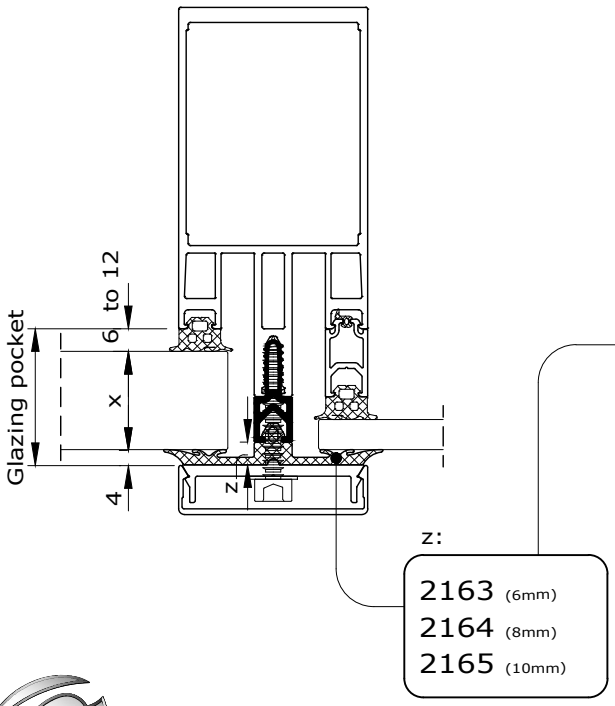
3.05



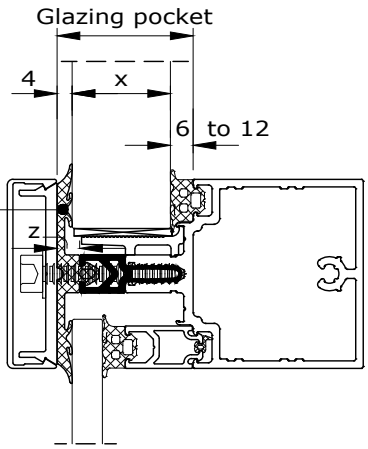
For other gasket sizes or types,
please contact Comar's technical department.

B **External gaskets / gasket options:**

Vertical and horizontal , **Single gasket**
EFT 2163 (6mm) or EFT 2164(8mm) etc.



"Single" gasket



Fabricators Guide

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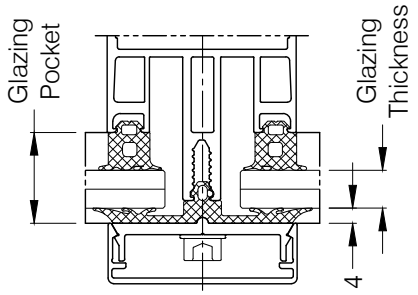
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Capped curtain wall

GLAZING POCKET 24	Glazing Thickness (mm)					
	4	6	8	10	12	14
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
2163- 6mm Pressure Plate Gasket						
2301- 15mm Glass Support						
3006- 25mm Screw 3091- Washer						



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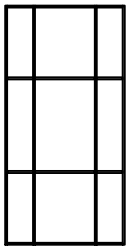
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Glazing charts 3

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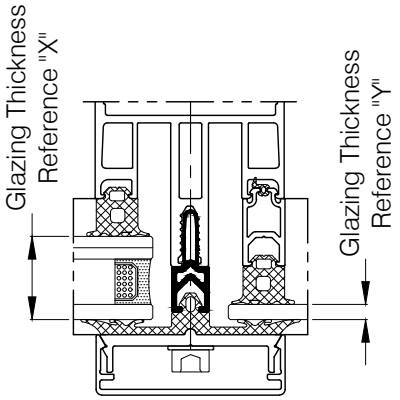
Capped curtain wall



3.07

Fabricators Guide

GLAZING POCKET 36	Glazing Thickness Reference "X" (mm)					
	16	18	20	22	24	26
2102 6mm 2101			Y			X
2104 8mm 2103		Y			X	
2106 10mm 2105	Y			X		
2108 12mm 2107			X			Y
2110 14mm 2109		X			Y	
2112 16mm 2111	X			Y		
2490 6mm 1330				Y	Y	Y
2490 18mm 1328	Y	Y	Y			
Glazing Thickness Reference "Y" (mm)	4	6	8	10	12	14
	2163- 6mm Pressure Plate Gasket					
	2197- 12mm Thermal Break					
	2305- 27mm Glass Support					
	3008 - 38mm Screw 3091 - Washer					
	2021- 50mm Drainage Diverter					



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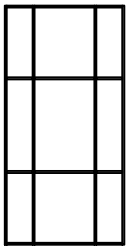
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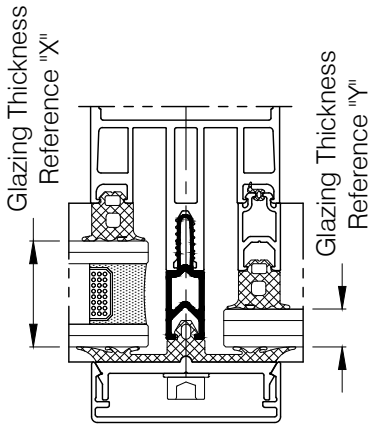
Capped curtain wall



3.08

GLAZING POCKET 42			Glazing Thickness Reference "X" (mm)					
			22	24	26	28	30	32
2102 6mm 2101					Y			X
2104 8mm 2103				Y			X	
2106 10mm 2105			Y			X		
2108 12mm 2107		Y			X			Y
2110 14mm 2109	Y			X			Y	
2112 16mm 2111			X			Y		
2490 6mm 1330						Y	Y	Y
2490 18mm 1328	Y	Y	Y	Y	Y			
Glazing Thickness Reference "Y" (mm)	6	8	10	12	14	16	18	20

	2163- 6mm Pressure Plate Gasket
	2200- 18mm Thermal Break
	1401 - 28mm Glass Support + 2153- 6mm Gasket
	3029-23mm Screw
OR	2306- 33mm Glass Support 1409- 33mm Glass Support
	3090- 42mm Screw 3091- Washer
	2020- 56mm Drainage Diverter



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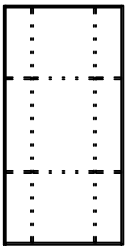
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Glazing charts

3

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2 sided SGH & SGV c.w.

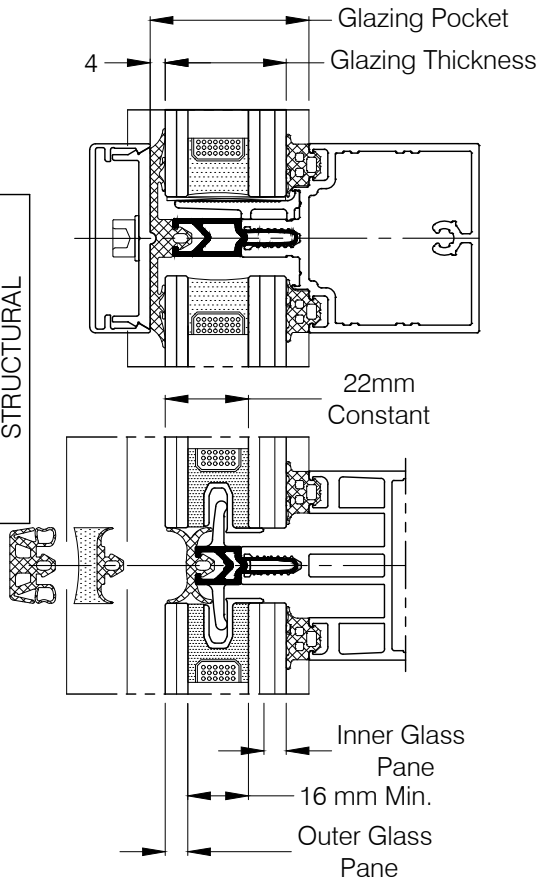


3.09

GLAZING POCKET 42	Outer Glass Pane (mm)	Inner Glass Pane (mm)			Glazing Thickness (mm)		
	6	6-7	8-9	10-11	28	30	32
2102 6mm 2101	X			X			X
2104 8mm 2103	X		X			X	
2106 10mm 2105	X	X			X		

2153 OR	1401-28mm Glass Support
	1409- 33mm Glass Support
	3029-23mm Screw
	2163-6mm Pressure Plate Gasket
	3090+ 3091 42mm Screw + Washer
	2020 56mm Drainage Diverter
	2200-18mm Thermal Break
OR	2170- 2mm Joint Gasket
OR	2182- 2mm Joint Gasket
	2175- 7mm Joint Gasket
	2197- 12mm Thermal Break
	2403- 12mm Double Glazing Clamp

STRUCTURAL



Fabricators Guide

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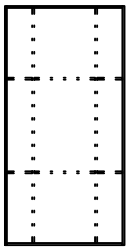
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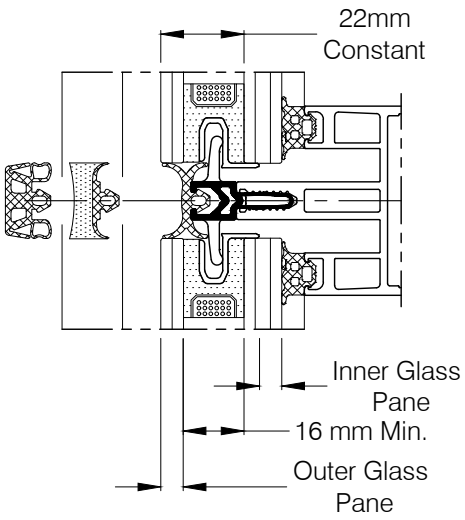
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3.10

GLAZING POCKET 42	Outer Glass Pane (mm)	Inner Glass Pane (mm)			Glazing Thickness (mm)		
	6	6-7	8-9	10-11	28	30	32
2102 6mm 2101	X			X			X
2104 8mm 2103	X		X			X	
2106 10mm 2105	X	X			X		

2153	1401-28mm Glass Support
OR	1409- 33mm Glass Support
	3029-23mm Screw
	2021 50mm Drainage Diverter
	2170- 2mm Joint Gasket
OR	2182- 2mm Joint Gasket
OR	2175- 7mm Joint Gasket
	2197- 12mm Thermal Break
	2403- 12mm Double Glazing Clamp



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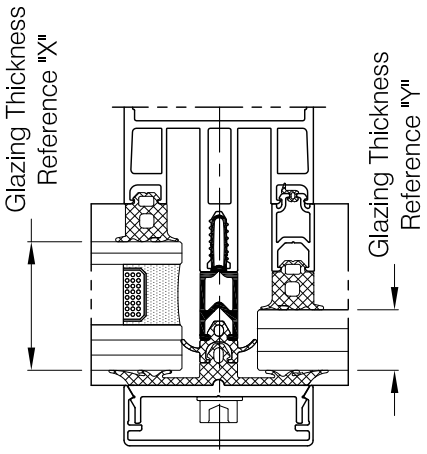
3.11

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GLAZING POCKET 48	Glazing Thickness Reference "X" (mm)										
	28	30	32	34	36	38
2102 6mm 2101			Y			X
2104 8mm 2103		Y			X	
2106 10mm 2105	Y			X		
2108 12mm 2107			X			Y
2110 14mm 2109		X			Y	
2112 16mm 2111	X			Y		
2490 6mm 1330				Y	Y	Y
2490 18mm 1328	Y	Y	Y			
2490 22mm 1329	Y	Y				

Glazing Thickness Reference "Y" (mm)	6	8	10	12	14	16	18	20	22	24	26

	2163 - 6mm Pressure Plate Gasket
	2200 - 18mm Thermal Break
+	1407 - 36mm Glass Support + 2153 - 6mm Gasket
OR	3029 - 23mm Screw
	1411 - 40mm Glass Support
	2166 6mm High Preformed Gasket
	3010 - 50mm Screw 3091 - Washer
	2026 - 64mm Drainage Diverter



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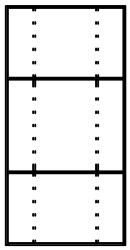
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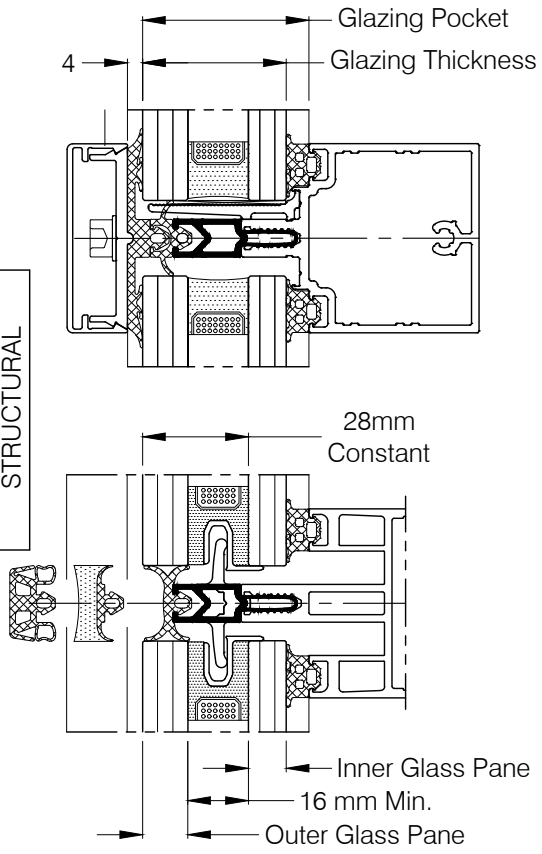
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3.12

GLAZING POCKET 48	Outer Glass Pane (mm)	Inner Glass Pane (mm)			Glazing Thickness (mm)		
	12	6-7	8-9	10-11	34	36	38
2102 6mm 2101	X			X			X
2104 8mm 2103	X		X			X	
2106 10mm 2105	X	X			X		

2153 OR	1407-36mm Glass Support	STRUCTURAL
	1411- 40mm Glass Support	
	3029-23mm Screw	
	2163-6mm Pressure Plate Gasket	
	3010+ 3091 50mm Screw + Washer	
	2026 64mm Drainage Diverter	
	2200-18mm Thermal Break	
	2166- 6mm Gasket	
OR	2170- 2mm Joint Gasket	
OR	2182- 2mm Joint Gasket	
	2175- 7mm Joint Gasket	
	2403- 12mm Double Glazing Clamp	



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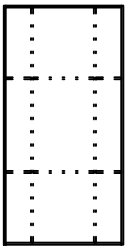
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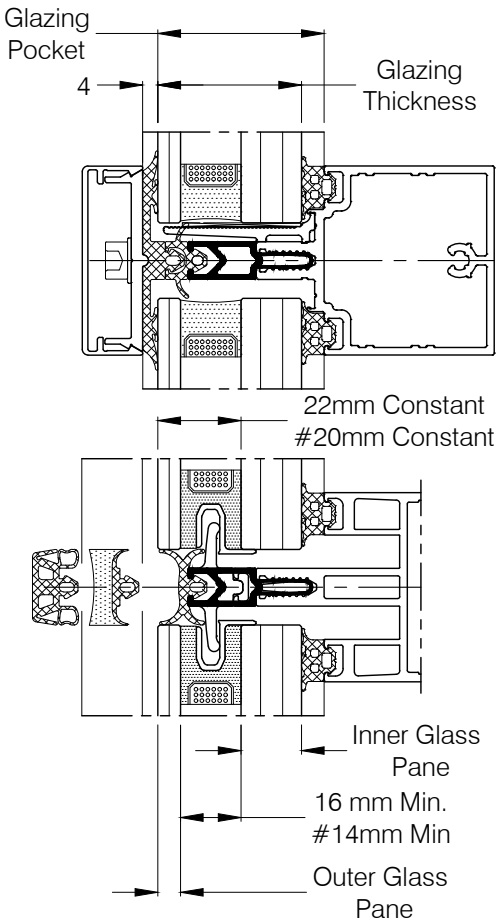
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3.13

GLAZING POCKET 48	Outer Glass Pane (mm)	Inner Glass Pane (mm)				Glazing Thickness (mm)		
	6	12-13	14-15	16-17	18#	34	36	38
2102 6mm 2101	X			X	X			X
2104 8mm 2103	X		X				X	
2106 10mm 2105	X	X				X		

2153 OR	1407-36mm Glass Support	
	1411- 40mm Glass Support	
	3029-23mm Screw	
	2163-6mm Pressure Plate Gasket	
	3010+ 3091 50mm Screw + Washer	
	2026 64mm Drainage Diverter	
	2200-18mm Thermal Break	
	2166- 6mm Gasket	
OR	2170- 2mm Joint Gasket	STRUCTURAL
OR	2182- 2mm Joint Gasket	
	2175- 7mm Joint Gasket	
	2403- 12mm Double Glazing Clamp	
	1390- 70mm Length	
	3030 29mm Screw	



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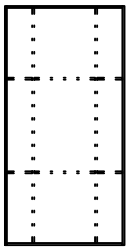
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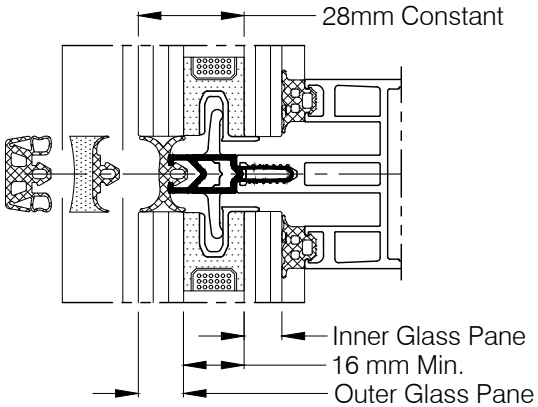
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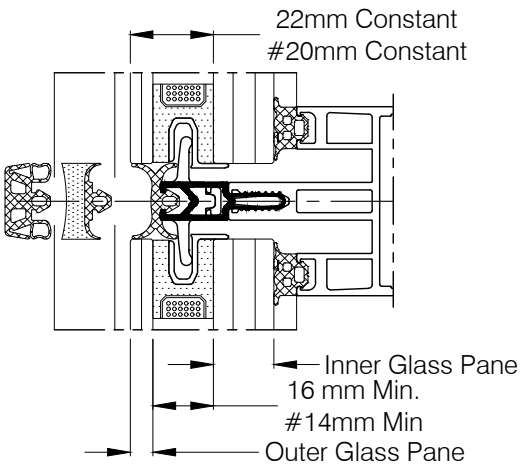
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3.14

GLAZING POCKET 48		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	12-13	14-15	16-17	18#	Glazing Thickness 34	36	38
2102 6mm 2101		12			X							X
		10										
		8										
		6						X				X
2104 8mm 2103		12		X							X	
		10										
		8										
		6					X				X	
2106 10mm 2105		12	X							X		
		10										
		8										
		6				X				X		
2153 OR	1407-36mm Glass Support											
	1411- 40mm Glass Support											
	3029-23mm Screw											
	2020 56mm Drainage Diverter											
	2200-18mm Thermal Break											
	2166- 6mm Gasket											
OR	2170- 2mm Joint Gasket											
OR	2182- 2mm Joint Gasket											
	2175- 7mm Joint Gasket											
	2403- 12mm Double Glazing Clamp											
	1390- 70mm Length											
	3030 29mm Screw											





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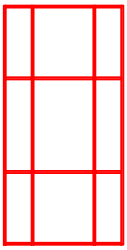
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Glazing charts 3

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Capped curtain wall

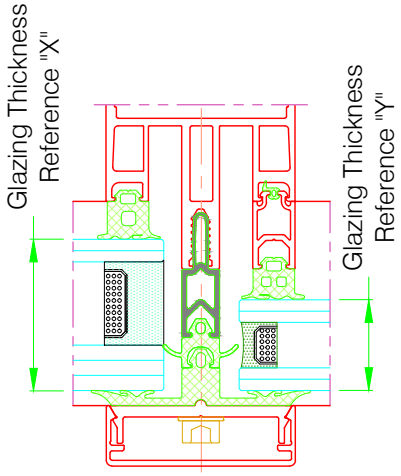


3.15

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GLAZING POCKET 54									Glazing Thickness Reference "X" (mm)					
									34	36	38	40	42	44
2102 6mm 2101											Y			X
2104 8mm 2103										Y			X	
2106 10mm 2105									Y			X		
2108 12mm 2107			Y					Y			X			Y
2110 14mm 2109		Y			Y		Y			X			Y	
2112 16mm 2111	Y			Y		Y			X			Y		
2490 6mm 1330	Y	Y	Y									Y	Y	Y
2490 18mm 1328						Y	Y	Y	Y	Y	Y			
2490 22mm 1329	Y	Y	Y	Y	Y									
Glazing Thickness Reference "Y" (mm)	6	8	10	12	14	16	18	20	22	24	26	28	30	32

	2165- 10mm Pressure Plate Gasket
	2200- 18mm Thermal Break
	1404 - 40mm Glass Support + 2153- 6mm Gasket
	2167 8mm High Preformed Gasket
	3029-23mm Screw
	3011- 55mm Screw 3091- Washer
	2026- 64mm Drainage Diverter



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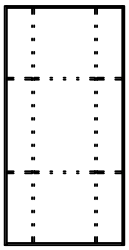
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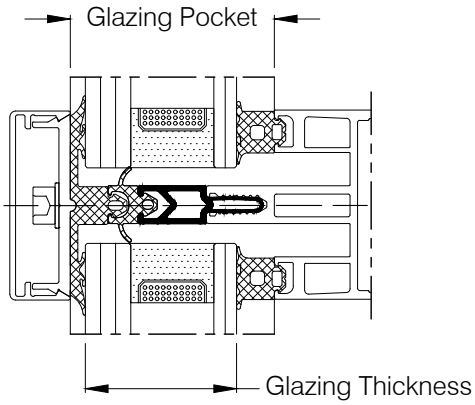


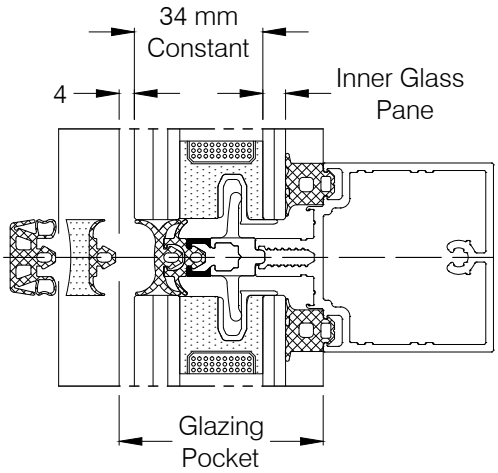
3.16

GLAZING POCKET 54		Inner Glass Pane (mm)			Glazing Thickness (mm)		
		6-7	8-9	10-11	40	42	44
2102 + 6mm 2101				X			X
2104 + 8mm 2103			X			X	
2106 + 10mm 2105		X			X		
	1404- 40mm Glass Support 2153 - 6mm Gasket						
	3029- 23mm Screw						
	2165- 10mm Pressure Plate Gasket						
	3011+ 3091 55mm Screw + Washer						
	2167 8mm Gasket						
	2200-18mm Thermal Break						
	2166- 6mm Gasket						
OR	2170 Joint Gasket						
OR	2182 Joint Gasket						
	2175 Joint Gasket						
	2403 12mm Glazing Clamp 2153 - 6mm Gasket						
	2026 64mm Drainage Diverter						

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OUTER GLASS PANE MAX. 12-13mm





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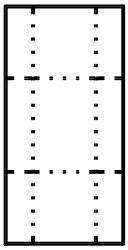
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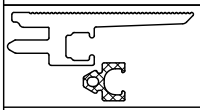
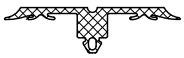
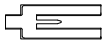
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3.17

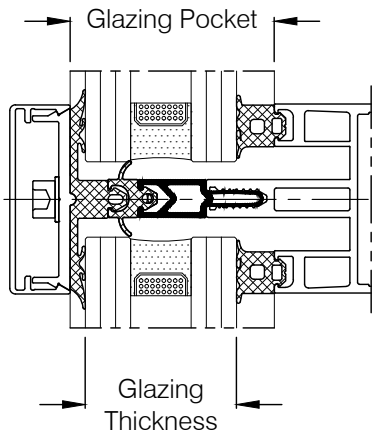
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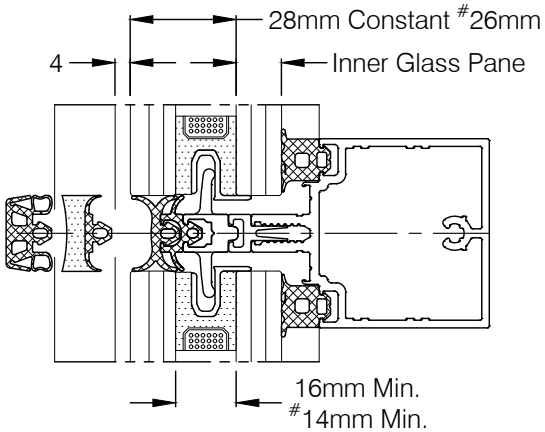
GLAZING POCKET 54	Inner Glass Pane (mm)				Glazing Thickness (mm)		
	12-13	14-15	16-17	18#	40	42	44
2102 6mm 2101			X	X			X
2104 8mm 2103		X				X	
2106 10mm 2105	X				X		

	1404- 40mm Glass Support 2153- 6mm Gasket
	3029-23mm Screw
	2165- 10mm Pressure Plate Gasket
	3011+ 3091 55mm Screw + Washer
	2167 8mm- Gasket
	2200-18mm Thermal Break
	2166 6mm- Gasket
	2170 Joint Gasket
OR 	2182 Joint Gasket
OR 	2175 Joint Gasket
	2403 12mm Glazing Clamp
	1390 - 70mm Length
	3030 29mm Screw
	2026 64mm Drainage Diverter

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OUTER GLASS PANE MAX. 12-13mm





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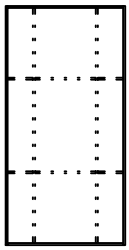
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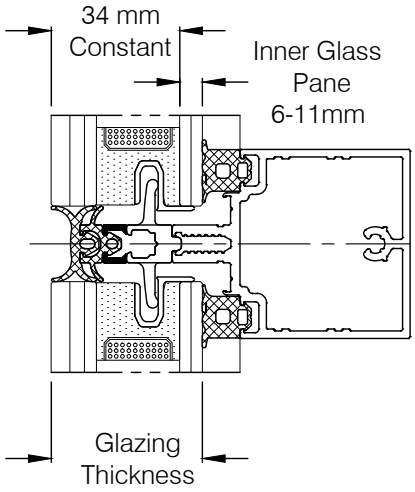
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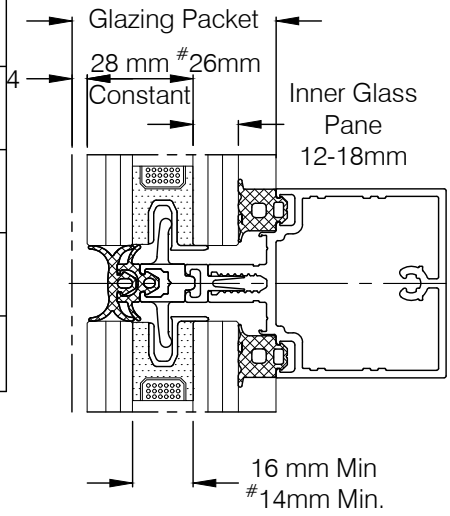


3.18

GLAZING POCKET 54	Inner Glass Pane (mm)							Glazing Thickness (mm)		
	6-7	8-9	10-11	12-13	14-15	16-17	18#	40	42	44
2102 6mm 2101			X			X	X			X
2104 8mm 2103		X			X				X	
2106 10mm 2105	X			X				X		
1404- 40mm Glass Support	X	X	X	X	X	X	X			
2153 6mm- Gasket	X	X	X	X	X	X	X			
3029 23mm Screw	X	X	X	X	X	X	X			
3030 29mm Screw				X	X	X	X			
1390 70mm Length				X	X	X	X			
2200 18mm Thermal Break										
2166 6mm- Gasket										
2403 12mm Double Glazing Clamp										
2170 Joint Gasket										
OR 2182 Joint Gasket										
OR 2175 Joint Gasket										
2020 56mm Drainage Diverter										

OUTER GLASS PANE MAX. 12-13mm





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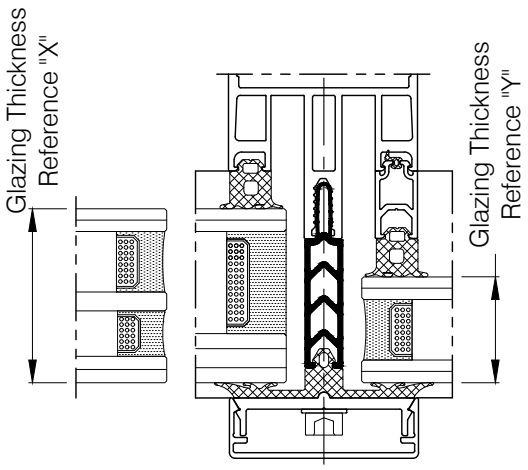
Capped curtain wall

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GLAZING POCKET 60									Glazing Thickness Reference "X" (mm)					
									40	42	44	46	48	50
2102 6mm 2101											Y			X
2104 8mm 2103										Y			X	
2106 10mm 2105									Y			X		
2108 12mm 2107			Y					Y			X			Y
2110 14mm 2109		Y			Y		Y			X			Y	
2112 16mm 2111	Y			Y		Y			X			Y		
2490 6mm 1330	Y	Y	Y									Y	Y	Y
2490 18mm 1328						Y	Y	Y	Y	Y	Y			
2490 22mm 1329	Y	Y	Y	Y	Y									
Glazing Thickness Reference "Y" (mm)	12	14	16	18	20	22	24	26	28	30	32	34	36	38

	2164- 8mm Pressure Plate Gasket
	2203- 34mmThermal Break
	1405 - 48mm Glass Support + 2155 - 22mm Gasket
OR	
	*1400 - 44mm Glass Support + 2155 - 22mm Gasket
	3029-23mm Screw
	3012- 60mm Screw 3091- Washer
	2027- 72mm Drainage Diverter



*Note! Use of 1400 Glass Support as option to 1405 only when external glass pane is 8mm or over in thickness.

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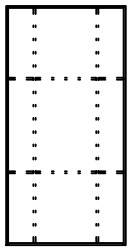
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2 sided SGH & SGV c.w.

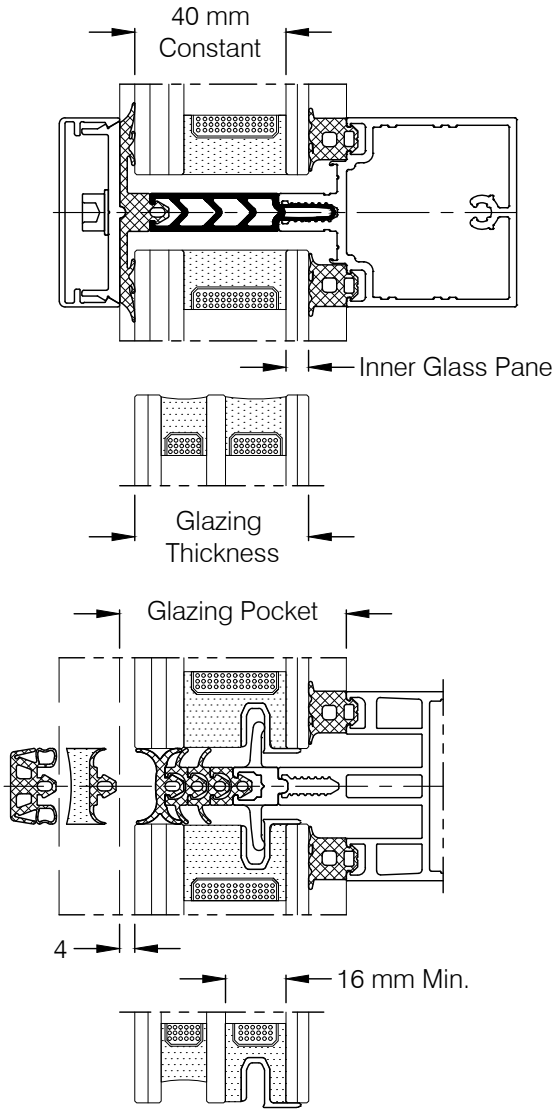


3.20

GLAZING POCKET 60		Inner Glass Pane (mm)			Glazing Thickness (mm)		
		6-7	8-9	10-11	46	48	50
2102 / 6mm 2101				X			X
2104 / 8mm 2103			X			X	
2106 / 10mm 2105		X			X		
	1405- 48mm Glass Support 2153 6mm Gasket (for SGV) 2155 22mm Gasket (for SGH)						
OR	1400- 44mm Glass Support 2153 6mm Gasket (for SGV) 2155 22mm Gasket (for SGH)						
	3029- 23mm Screw						
	2164- 8mm Pressure Plate Gasket						
	3012+ 3091 60mm Screw + Washer						
	2203 - 34mm Thermal Break						
	2166 6mm Gasket x 2						
	2200- 18mm Thermal Break						
	2170 Joint Gasket						
OR	2182 Joint Gasket						
OR	2175 Joint Gasket						
	2403 12mm Glazing Clamp 2153 6mm Gaskett						
	2027 72mm Drainage Diverter						

STRUCTURAL

OUTER GLASS PANE MAX. 12-13mm



*Note! Use of 1400 glass support as option to 1405 only when external glass pane is 8mm or over in thickness.

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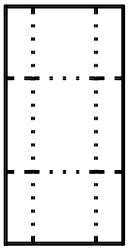
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Glazing charts 3

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2 sided SGH & SGV c.w.

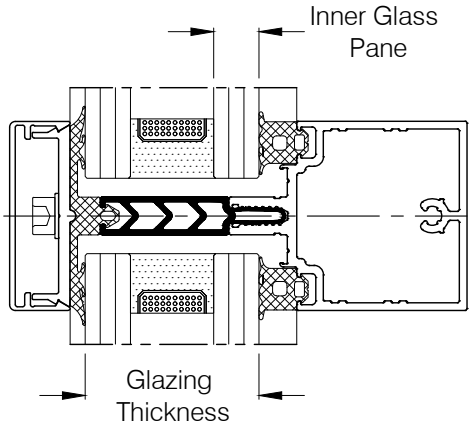


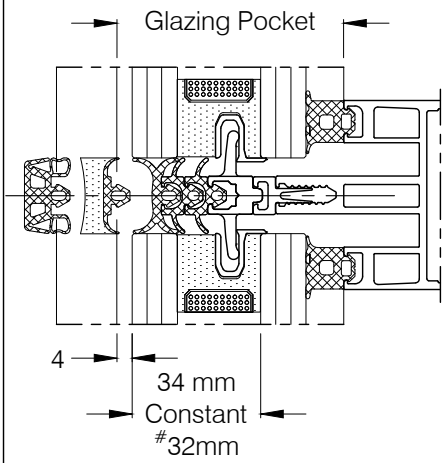
3.21

GLAZING POCKET 60		Inner Glass Pane (mm)				Glazing Thickness (mm)		
Inner Glass Pane (mm)		12-13	14-15	16-17	18#	46	48	50
2102 6mm 2101				X	X			X
2104 8mm 2103			X				X	
2106 10mm 2105		X				X		
	1405- 48mm Glass Support 2153 6mm Gasket (for SGV) 2155 22mm Gasket (for SGH)							
OR	1400- 44mm Glass Support 2153 6mm Gasket (for SGV) 2155 22mm Gasket (for SGH)							
	3029- 23mm Screw							
	2164- 8mm Pressure Plate Gasket							
	3012+ 3091 60mm Screw + Washer							
	2203-34mm Thermal Break							
	2166- 6mm Gasket x 2							
	2200- 18mm Thermal Break							
	2170 Joint Gasket							
OR	2182 Joint Gasket							
OR	2175 Joint Gasket							
	2403 12mm Double Glazing Clamp							
	1390- 70mm Length							
	3030 29mm Screw							
	2027 72mm Drainage Diverter							

STRUCTURAL

OUTER GLASS PANE MAX. 12-13mm





*Note! Use of 1400 glass support as option to 1405 only when external glass pane is 8mm or over in thickness.

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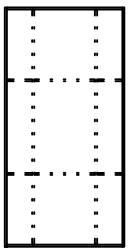
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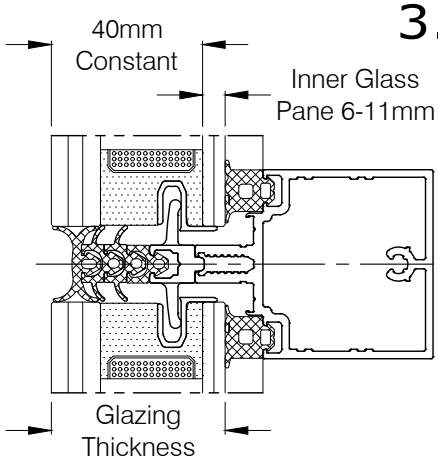
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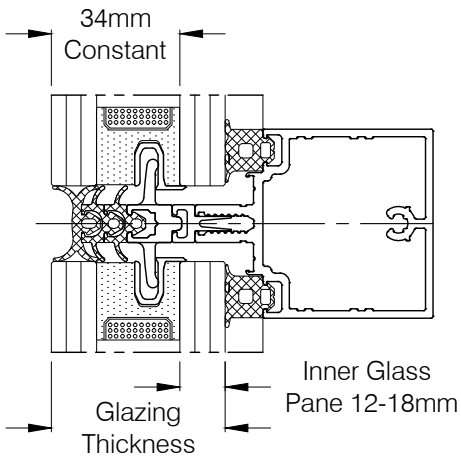


GLAZING POCKET 60	Inner Glass Pane (mm)							Glazing Thickness (mm)		
	6-7	8-9	10-11	12-13	14-15	16-17	18#	46	48	50
2102 6mm 2101			X			X	X			X
2104 8mm 2103		X			X				X	
2106 10mm 2105	X			X				X		
1405- 48mm Glass Support OR 1400 44mm Glass Support	X	X	X	X	X	X	X			
2153 6mm- Gasket	X	X	X	X	X	X	X			
3029 23mm Screw	X	X	X	X	X	X	X			
2166 6mm- Gasket x 2	X	X	X	X	X	X	X			
2200 18mm Thermal Break	X	X	X	X	X	X	X			
3030 29mm Screw				X	X	X	X			
1390 70mm Length				X	X	X	X			
2403 12mm Double Glazing Clamp										
2170 Joint Gasket										
OR 2182 Joint Gasket										
OR 2175 Joint Gasket										
2026 64mm Drainage Diverter										

OUTER GLASS PANE MAX. 12-13mm

3.22





*Note! Use of 1400 glass support as option to 1405 only when external glass pane is 8mm or over in thickness.

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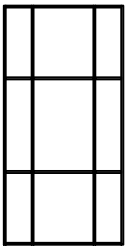
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Glazing charts 3

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Capped curtain wall

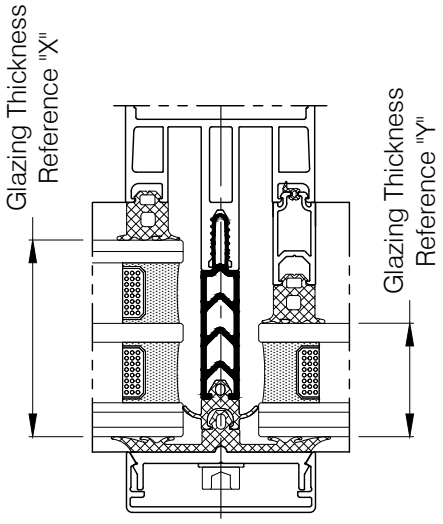


3.23

Fabricators Guide

GLAZING POCKET 66									Glazing Thickness Reference "X" (mm)					
									46	48	50	52	54	56
2102 6mm 2101											Y			X
2104 8mm 2103										Y			X	
2106 10mm 2105									Y			X		
2108 12mm 2107			Y					Y			X			Y
2110 14mm 2109		Y			Y		Y			X			Y	
2112 16mm 2111	Y			Y		Y			X			Y		
2490 6mm 1330	Y	Y	Y									Y	Y	Y
2490 18mm 1328						Y	Y	Y	Y	Y	Y			
2490 22mm 1329	Y	Y	Y	Y	Y									
Glazing Thickness Reference "Y" (mm)	18	20	22	24	26	28	30	32	34	36	38	40	42	44

	2163- 6mm Pressure Plate Gasket
	2203- 34mm Thermal Break
	1406 - 52mm Glass Support + 2155- 22mm Gasket
	2167 8mm High Preformed Gasket
	3029-23mm Screw
	3013- 65mm Screw 3091- Washer
	2021- 50mm Drainage Diverter + 2032- 35mm Drainage Extension



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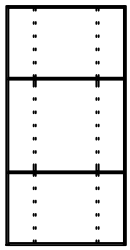
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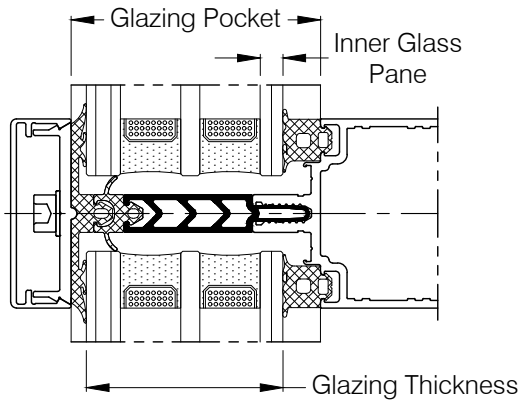
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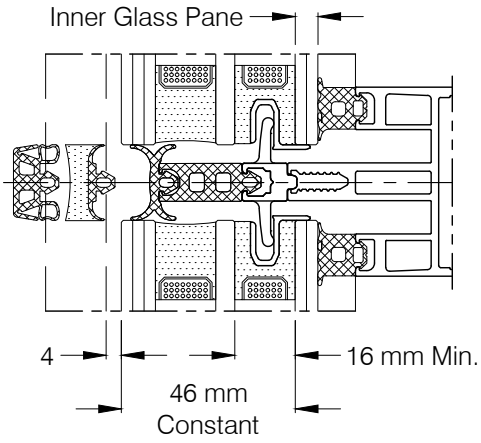
GLAZING POCKET 66	Inner Glass Pane (mm)			Glazing Thickness (mm)		
	6-7	8-9	10-11	52	54	56
2102 6mm 2101			X			X
2104 8mm 2103		X			X	
2106 10mm 2105	X			X		

	1406- 52mm Glass Support 2155 22mm Gasket
	3029- 23mm Screw
	2163- 6mm Pressure Plate Gasket
	3013+ 3091 65mm Screw + Washer
	2167 8mm Gasket
	2203-34mm Thermal Break
	2170 Joint Gasket
OR	2182 Joint Gasket
OR	2175 Joint Gasket
	2155 22mm Gasket 2403 12mm Glazing Clamp
	2021 50mm Drainage Diverter+ 2032 35mm Drainage Extension

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OUTER GLASS PANE MAX. 12-13mm





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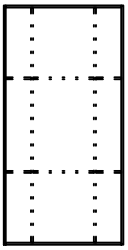
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Glazing charts 3

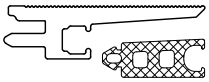
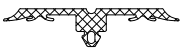
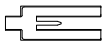
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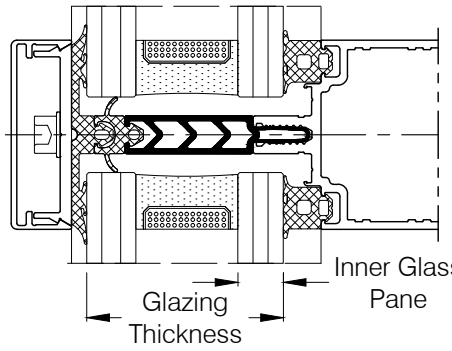


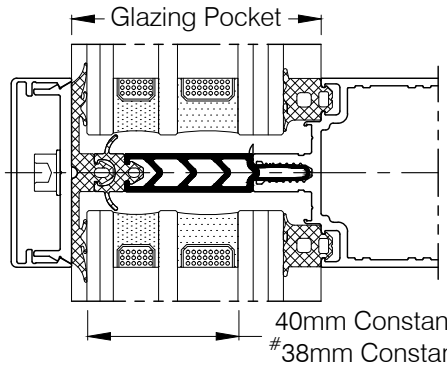
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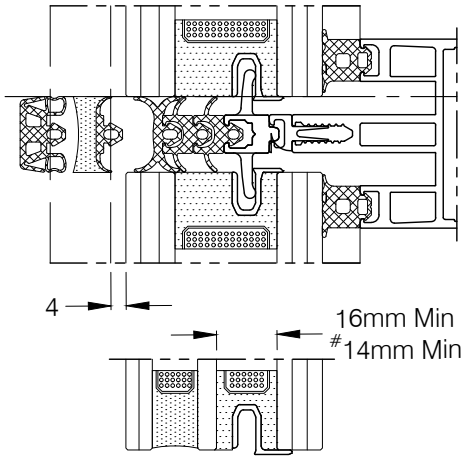
GLAZING POCKET 66		Inner Glass Pane (mm)				Glazing Thickness (mm)		
		12-13	14-15	16-17	18#	52	54	56
2102	6mm 2101			X	X			X
2104	8mm 2103		X				X	
2106	10mm 2105	X				X		

	1406- 52mm Glass Support 2155 22mm Gasket	
	3029- 23mm Screw	
	2163- 6mm Pressure Plate Gasket	
	3013+ 3091 65mm Screw + Washer	
	2021 50mm Drainage Diverter+ 2032 35mm Drainage Extension	
	2203-34mm Thermal Break	
	2167 8mm Gasket	
	2167 8mm Gasket x 2	STRUCTURAL
	2170 Joint Gasket	
OR 	2182 Joint Gasket	
OR 	2175 Joint Gasket	
	2403 12mm Glazing Clamp	
	1390- 70mm Length	
	3030 29mm Screw	

OUTER GLASS PANE MAX. 12-13mm







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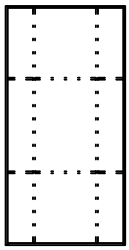
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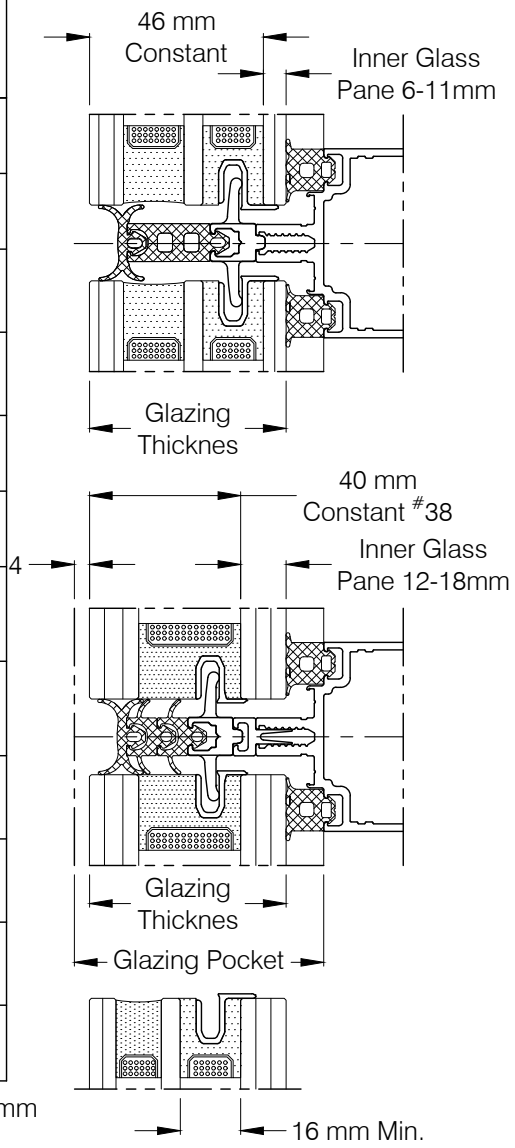
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3.26

GLAZING POCKET 66	Inner Glass Pane (mm)							Glazing Thickness (mm)		
	6-7	8-9	10-11	12-13	14-15	16-17	18#	52	54	56
2102 6mm 2101			X			X	X			X
2104 8mm 2103		X			X				X	
2106 10mm 2105	X			X				X		
1406- 52mm Glass Support	X	X	X	X	X	X	X			
2153 6mm- Gasket	X	X	X	X	X	X	X			
3029 23mm Screw	X	X	X	X	X	X	X			
2167 8mm- Gasket x 2				X	X	X	X			
2155 22mm- Gasket	X	X	X							
3030 29mm Screw				X	X	X	X			
1390 70mm Length				X	X	X	X			
2203- 34mm Thermal Break	X	X	X	X	X	X	X			
	2403 12mm Double Glazing Clamp									
OR	2170 Joint Gasket									
OR	2182 Joint Gasket									
	2175 Joint Gasket									
	2027 72mm Drainage Diverter									

OUTER GLASS PANE MAX. 12-13mm



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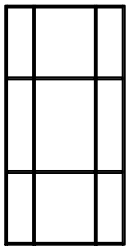
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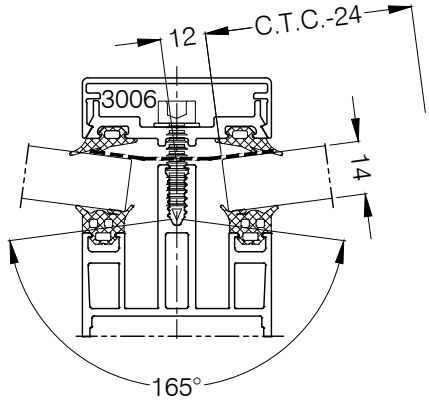
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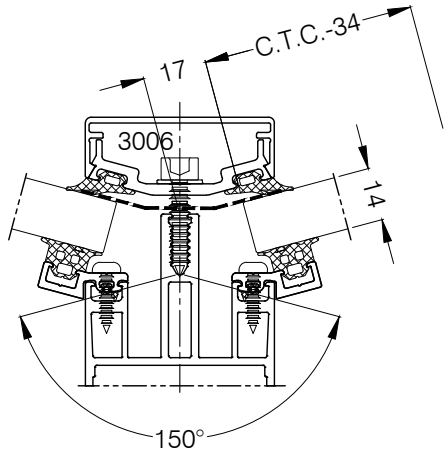
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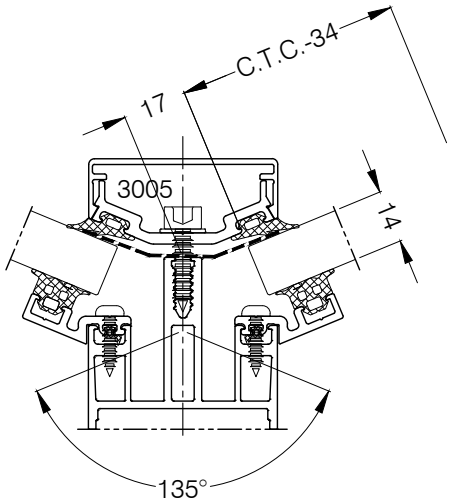
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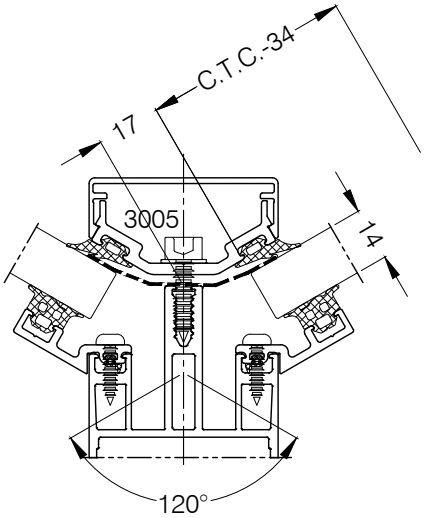


3.27









Capped curtain wall
Internal corner

GLAZING POCKET 24	Glazing Thickness (mm)					
	4	6	8	10	12	14
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1338-30° Glazing Adapter + 3021 Screw+2490 Gasket					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	3005- 22mm Screw 3091- Washer					
	3006- 25mm Screw 3091- Washer					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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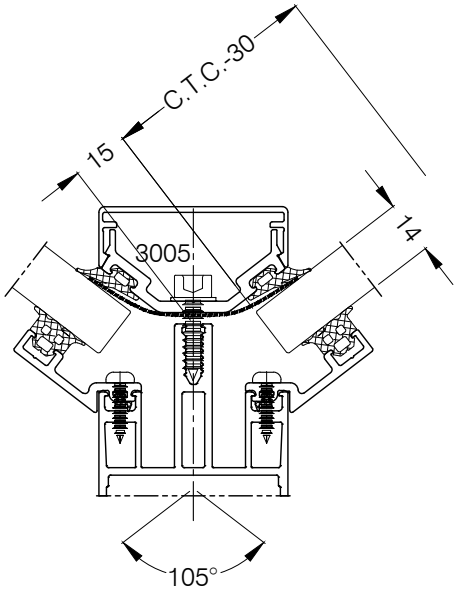
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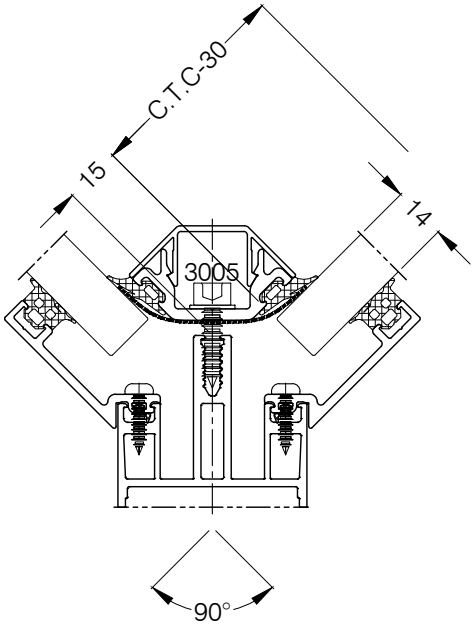
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Capped curtain wall
Internal corner





GLAZING POCKET 24	Glazing Thickness (mm)					
	4	6	8	10	12	14
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
	1339-37.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1344-45° Glazing Adapter +3021 Screw+2490 Gasket					
BUTYL	2150+ 6001or 6002 Pressure Plate Gasket					
	3005- 22mm Screw 3091- Washer					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.28

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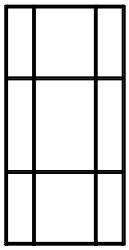
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Glazing charts 3

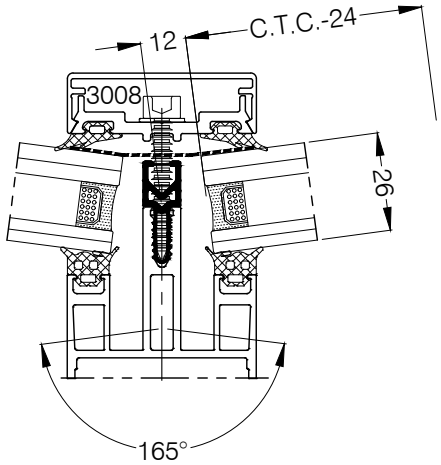
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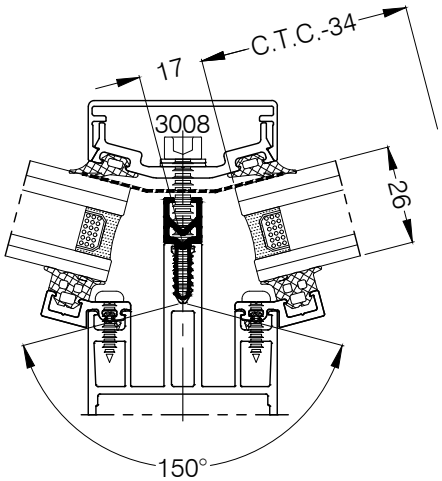


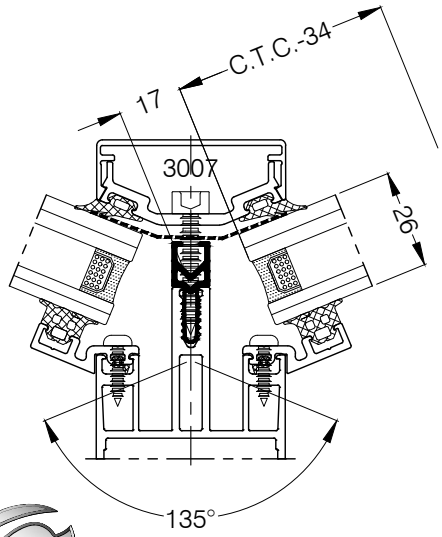
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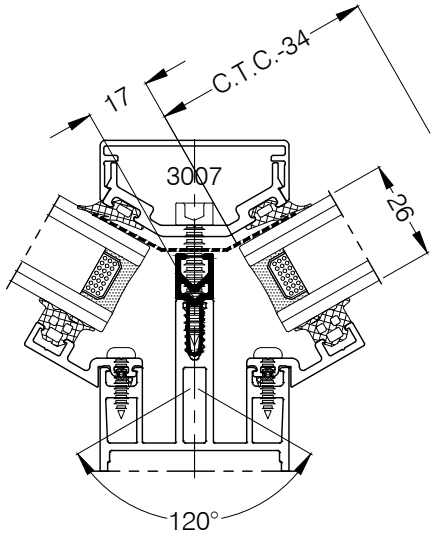
Capped curtain wall
Internal corner

GLAZING POCKET 36	Glazing Thickness (mm)					
	16	18	20	22	24	26
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1338-30° Glazing Adapter + 3021 Screw+2490 Gasket					
	2197-12mm Thermal Break					
	3007- 32mm Screw + 3091 Washer when Fit					
	3008- 38mm Screw + 3091 Washer when Fit					
	As required for ventilation					









Fabricators Guide

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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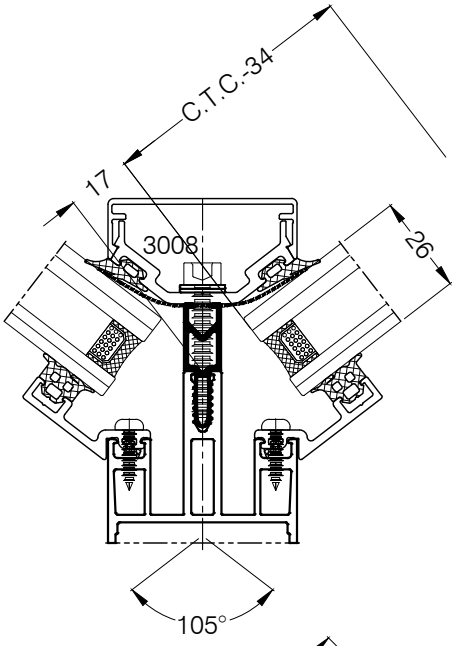
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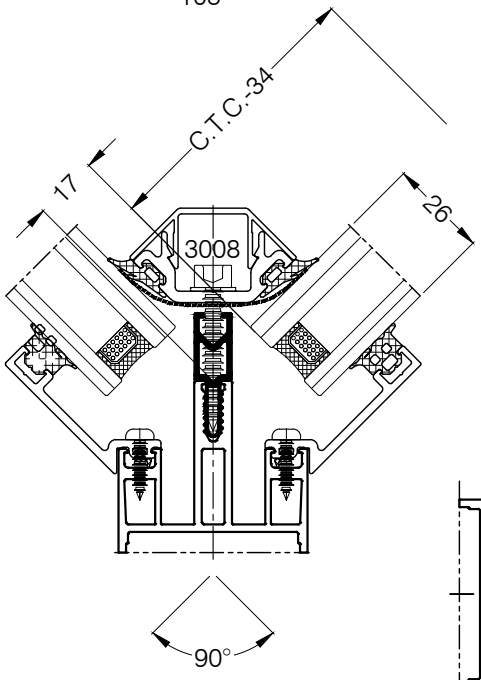
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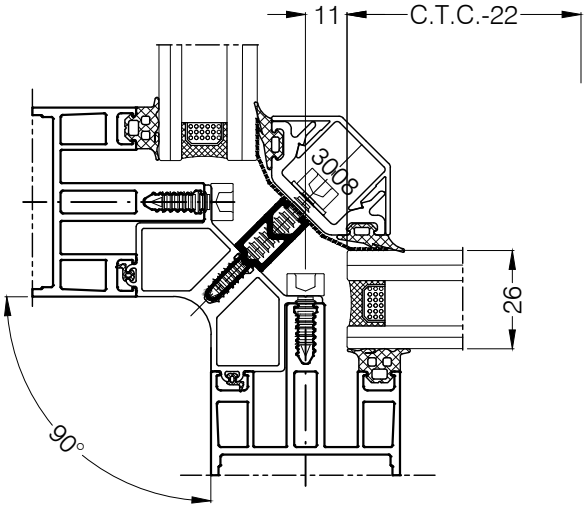
Capped curtain wall
Internal corner





GLAZING POCKET 36	Glazing Thickness (mm)					
	16	18	20	22	24	26
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1339-37.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1344-45° Glazing Adapter +3021 Screw+2490 Gasket					
	2200-18mm Thermal Break					
	3008- 38mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.



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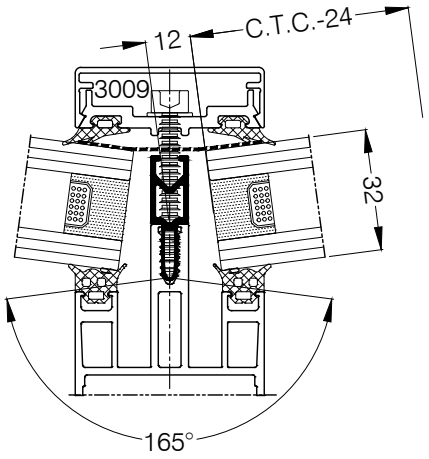
Glazing charts

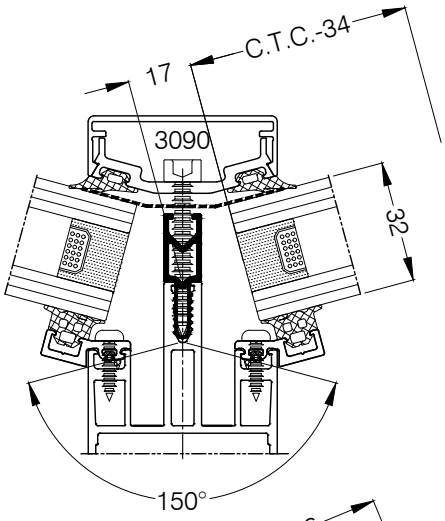
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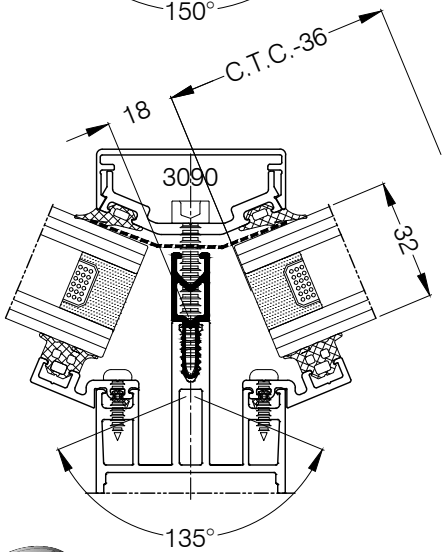
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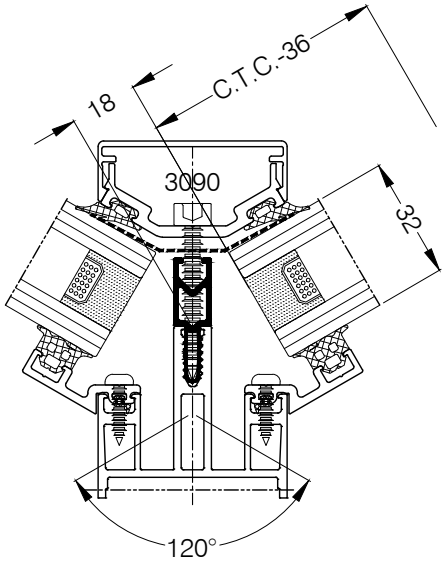
Capped curtain wall
Internal corner

3.31









GLAZING POCKET 42	Glazing Thickness (mm)					
	22	24	26	28	30	32
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1338-30° Glazing Adapter + 3021 Screw+2490 Gasket					
	2200-18mm Thermal Break					
	3090- 42mm Screw + 3091 Washer when Fit					
	3009- 45mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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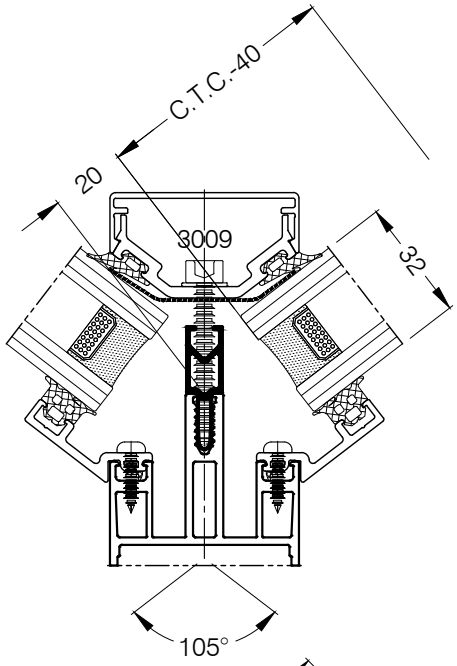
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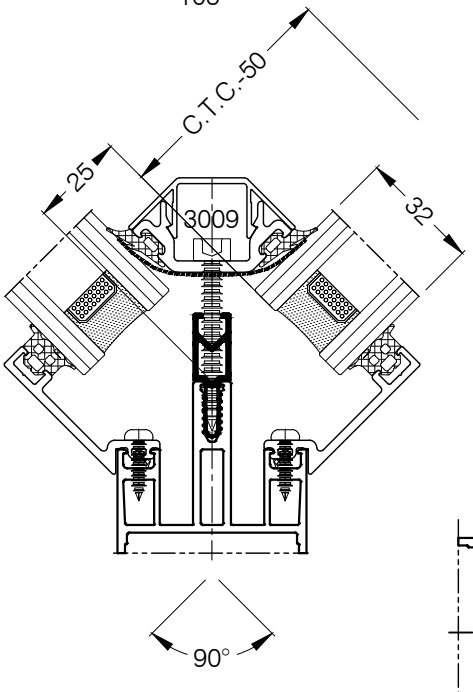
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3 GLAZING CHART

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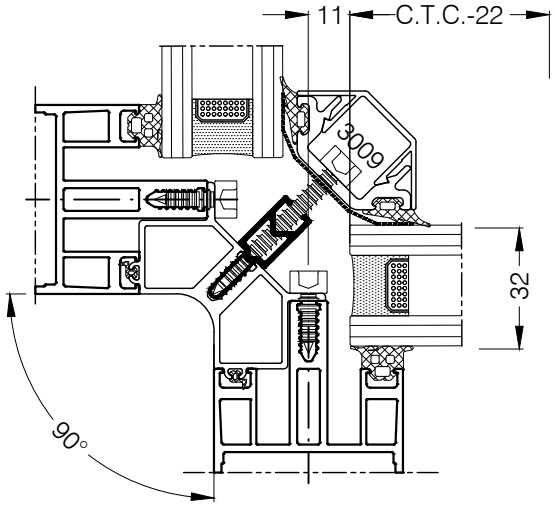
Capped curtain wall
Internal corner





GLAZING POCKET 42	Glazing Thickness (mm)					
	22	24	26	28	30	32
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1339-37.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1344-45° Glazing Adapter +3021 Screw+2490 Gasket					
	2200-18mm Thermal Break					
	3009- 45mm Screw + 3091 Washer when Fit					
	As required for drainage					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.



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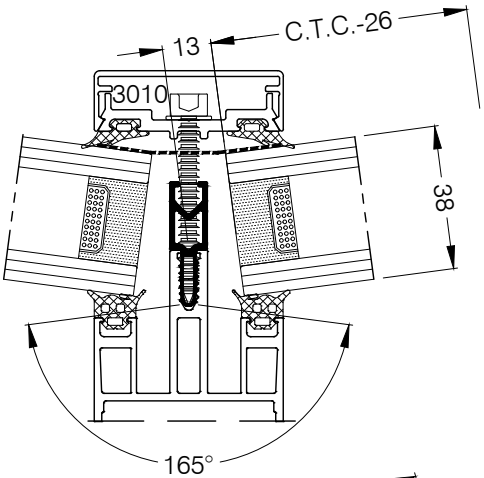
Glazing charts

3

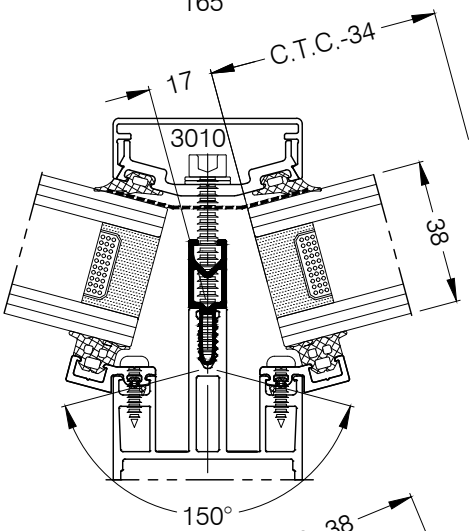
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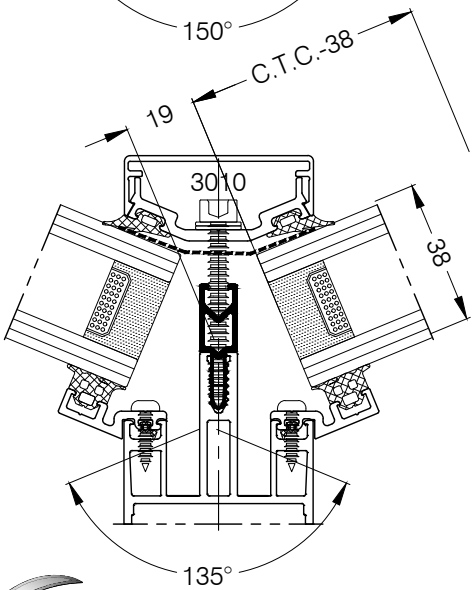
Capped curtain wall
Internal corner

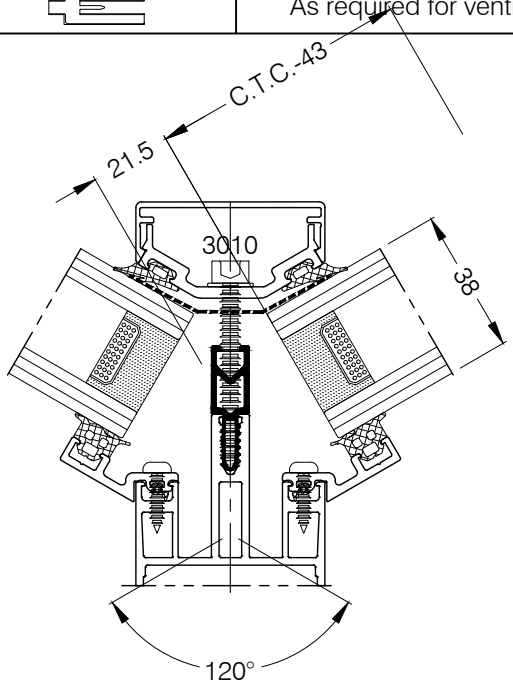
3.33



GLAZING POCKET 48	Glazing Thickness (mm)					
	28	30	32	34	36	38
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1338-30° Glazing Adapter + 3021 Screw+2490 Gasket					
	2200-18mm Thermal Break					
	3010- 50mm Screw + 3091 Washer when Fit					
	As required for ventilation					







TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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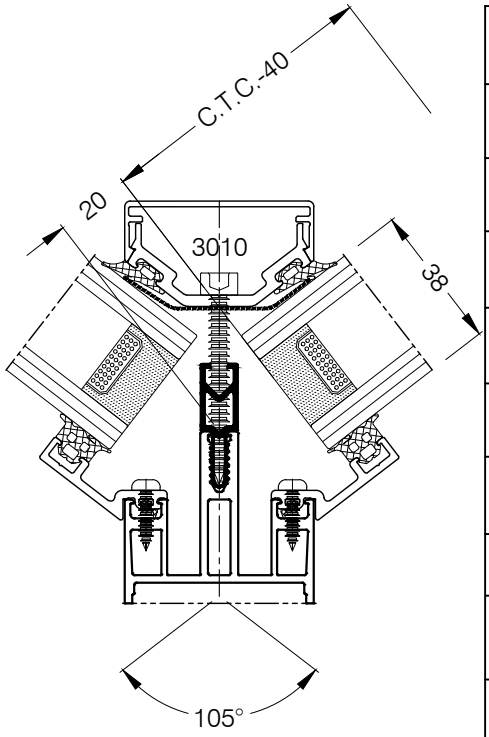
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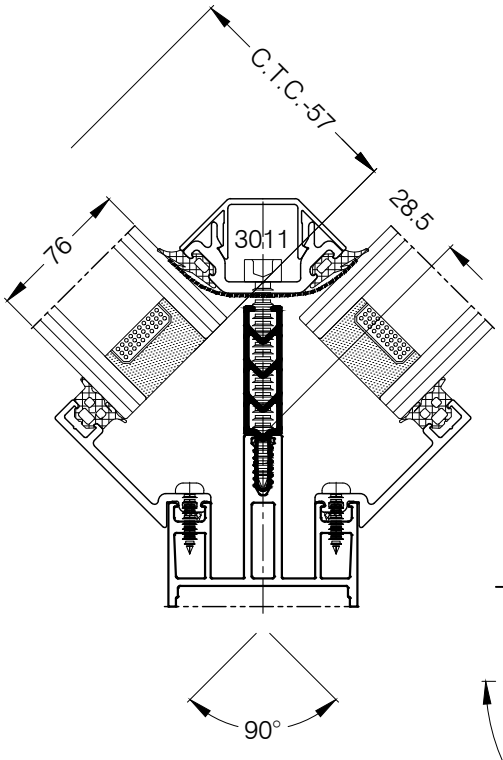
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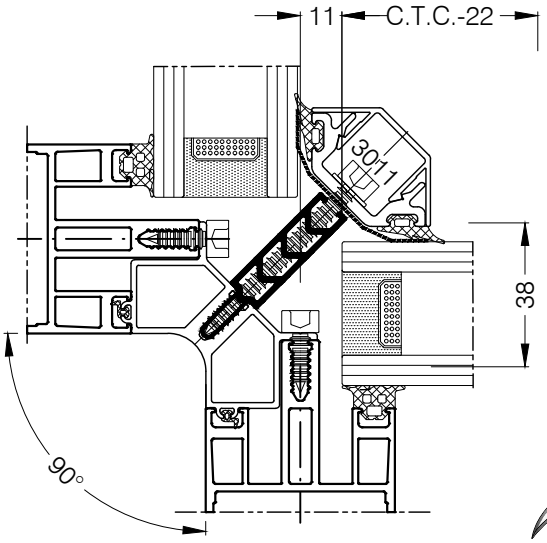
Capped curtain wall Internal Corner





GLAZING POCKET 48	Glazing Thickness (mm)					
	28	30	32	34	36	38
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1339-37.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1344-45° Glazing Adapter +3021 Screw+2490 Gasket					
	2200-18mm Thermal Break					
	2203-34mm Thermal Break					
	3010- 50mm Screw + 3091 Washer when Fit					
	3011- 55mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.



3.34

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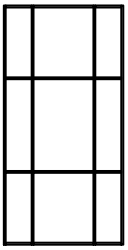
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Glazing charts 3

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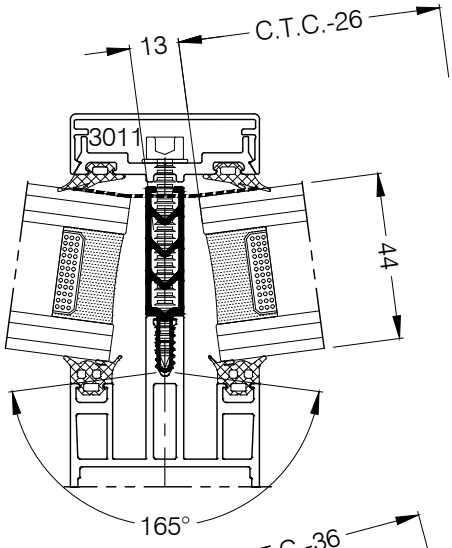
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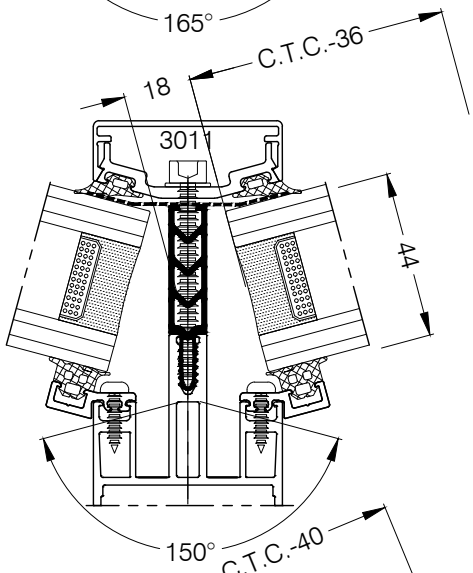
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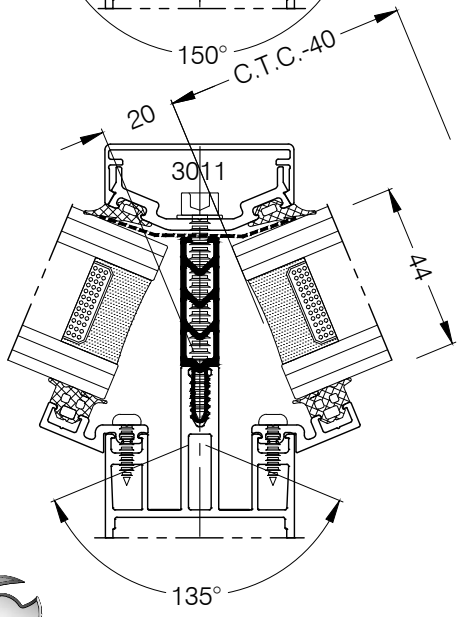
Capped curtain wall
Internal corner

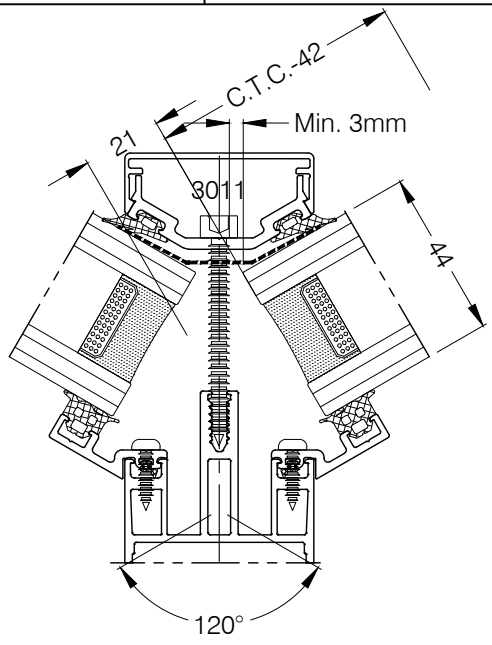
GLAZING POCKET 54	Glazing Thickness (mm)					
	34	36	38	40	42	44
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	1338-30° Glazing Adapter + 3021 Screw+2490 Gasket					
	2203-34mm Thermal Break					
	3011- 55mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.









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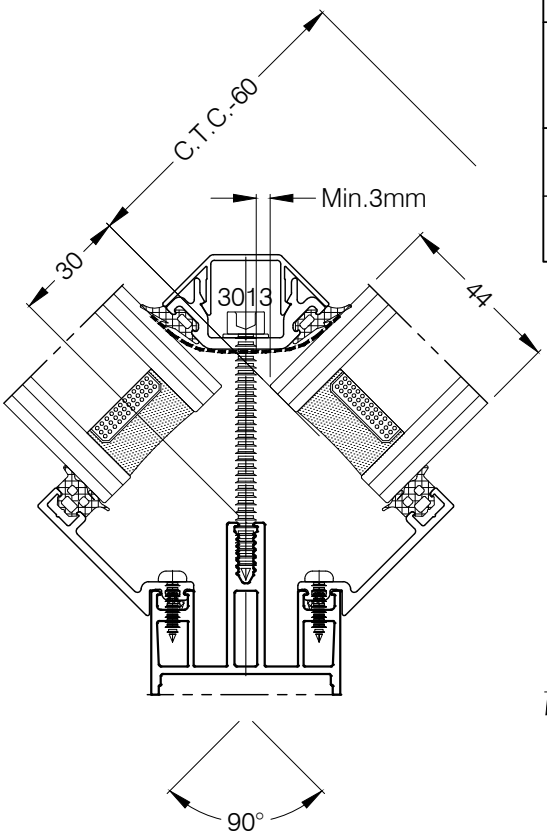
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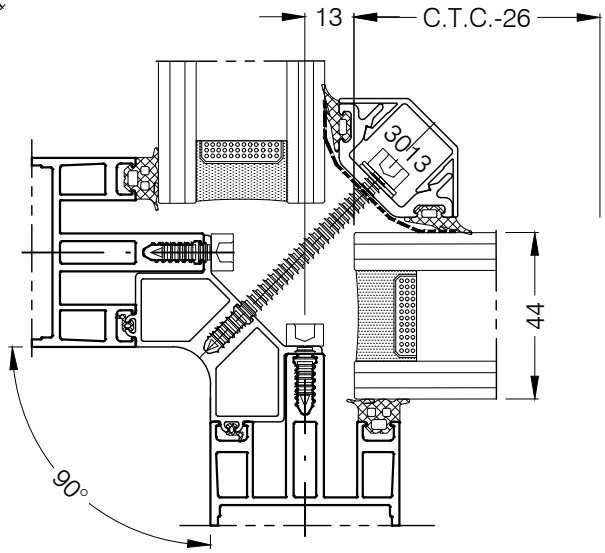
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Capped curtain wall
Internal corner

GLAZING POCKET 54	Glazing Thickness (mm)					
	34	36	38	40	42	44
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1344-45° Glazing Adapter +3021 Screw+2490 Gasket					
	3013- 65mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.





3.36

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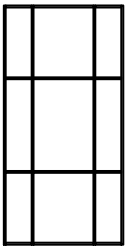
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Glazing charts

3

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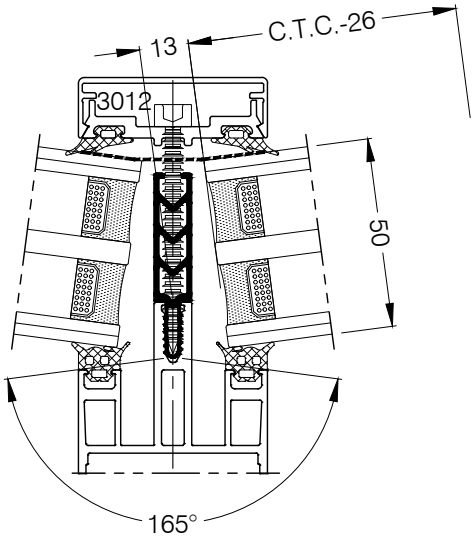
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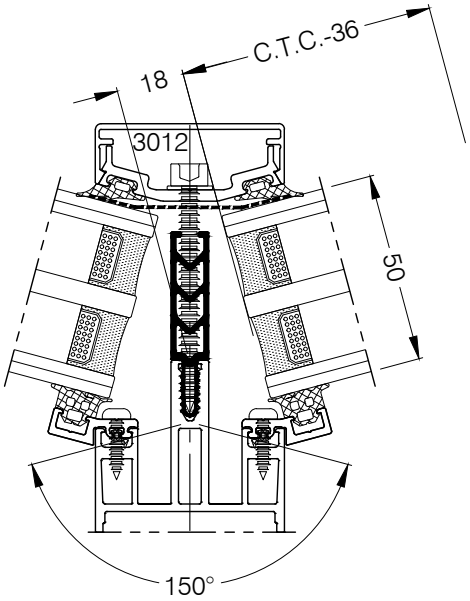
Capped curtain wall
Internal corner

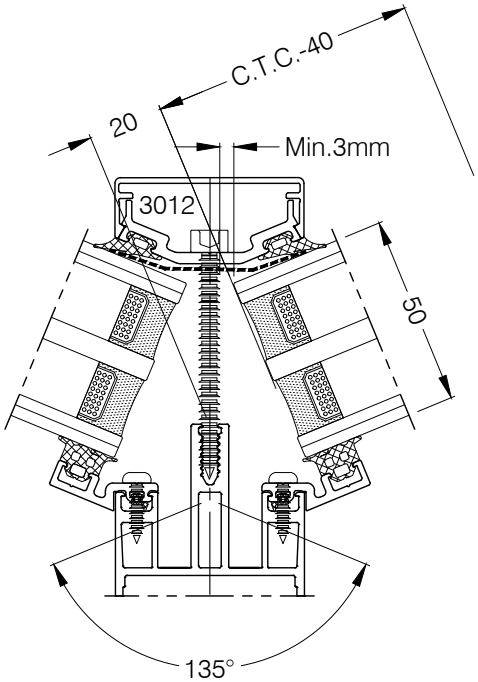
GLAZING POCKET 60	Glazing Thickness (mm)					
	40	42	44	46	48	50
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	1337-22.5° Glazing Adapter + 3021 Screw+2490 Gasket					
	2203-34mm Thermal Break					
	3012- 60mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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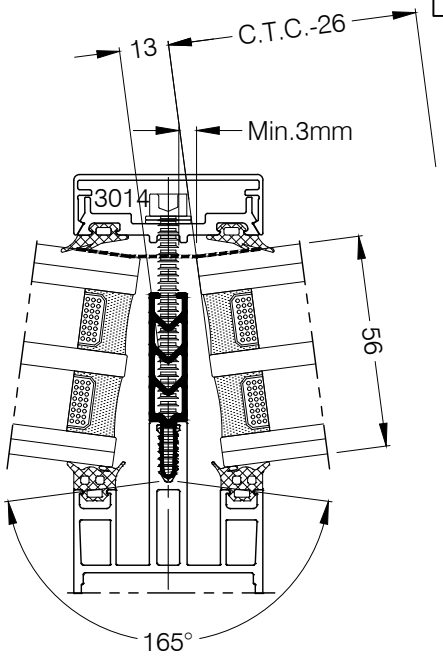
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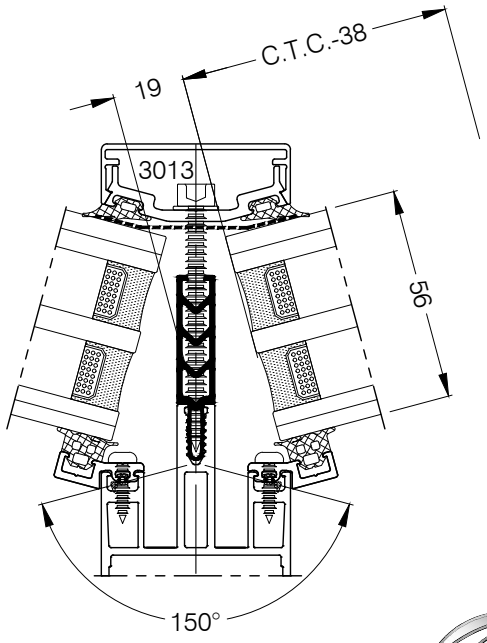
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Capped curtain wall
Internal corner

GLAZING POCKET 60	Glazing Thickness (mm)					
	46	48	50	52	54	56
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 Pressure Plate Gasket					
	1336-15° Glazing Adapter + 3021 Screw+2490 Gasket					
	2203-34mm Thermal Break					
	3013- 65mm Screw + 3091 Washer when Fit					
	3014- 70mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.





3.38

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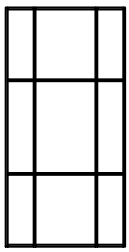
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Date : 10-16

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Glazing charts

3

Comar 6EFT

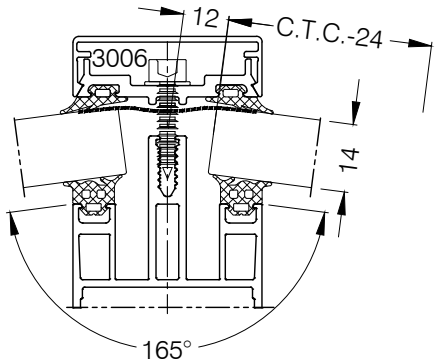


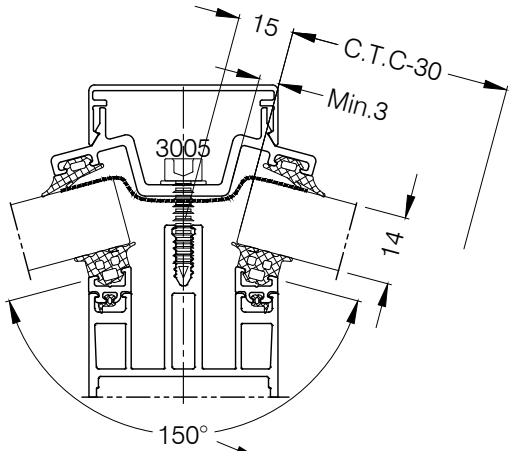
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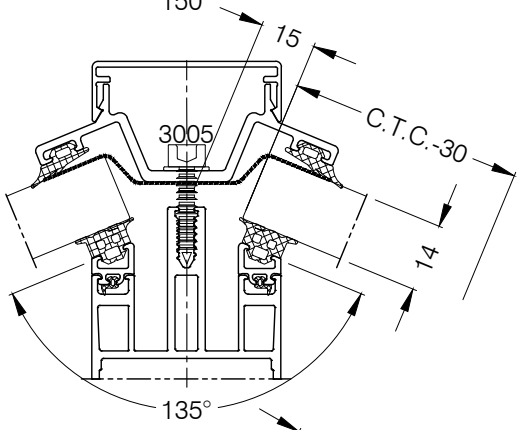
Capped curtain wall
Externall corner

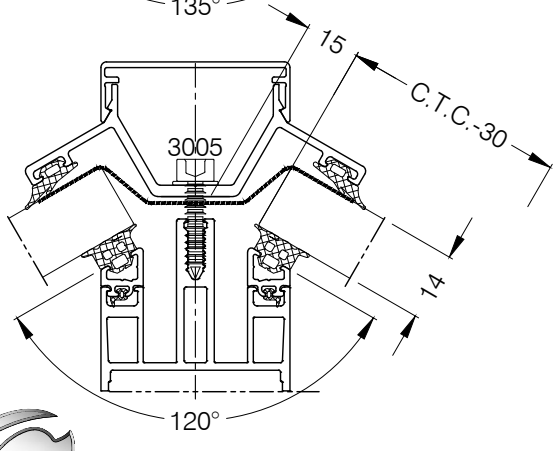
GLAZING POCKET 24	Glazing Thickness (mm)					
	4	6	8	10	12	14
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
BUTYL	2150+ 6001or 6002 Pressure Plate Gasket					
	3005- 22mm Screw + 3091 Washer when Fit					
	3006- 25mm Screw + 3091 Washer when Fit					
	As required for ventilation					

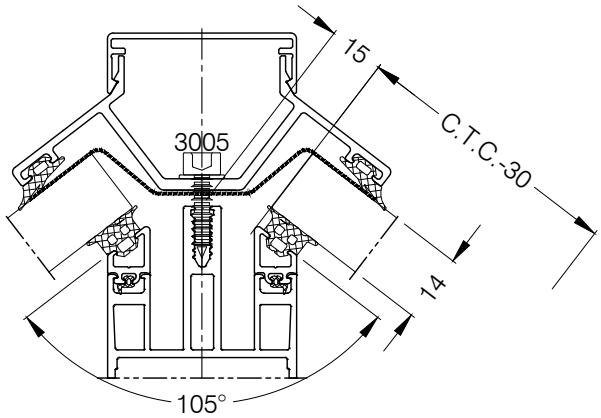
TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.











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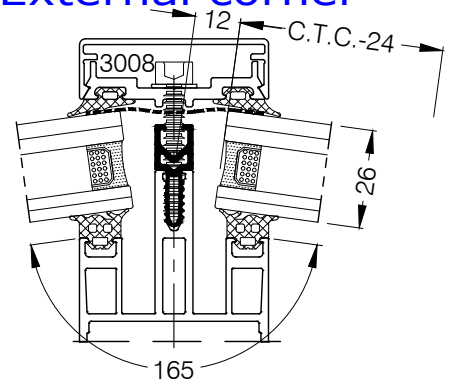
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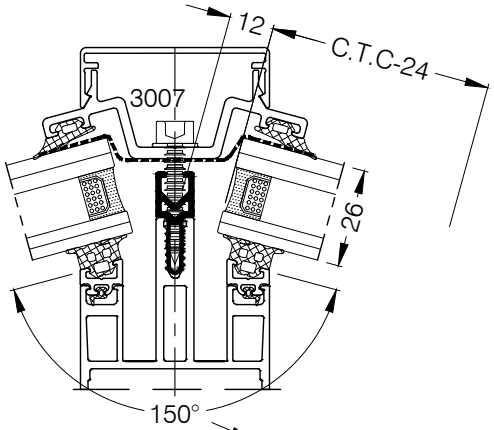
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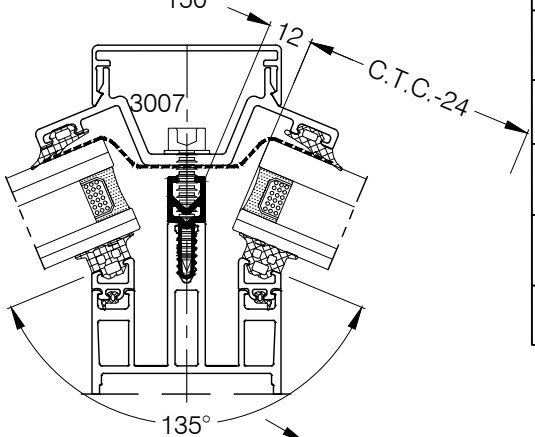
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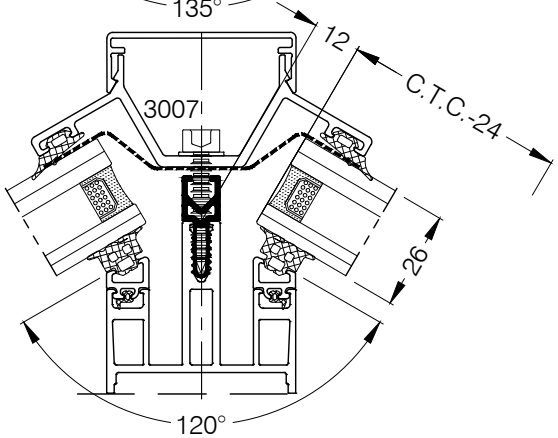
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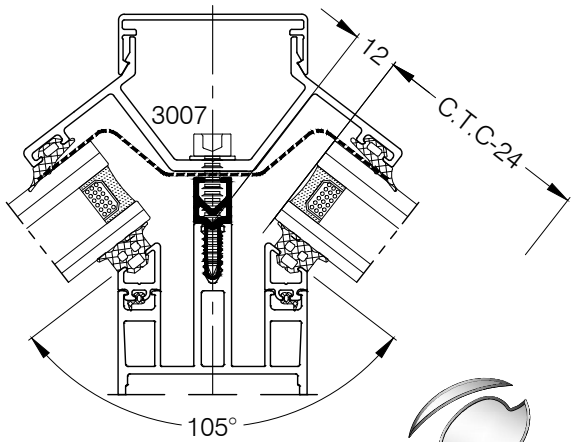
Capped curtain wall
External corner











GLAZING POCKET 36	Glazing Thickness (mm)					
	16	18	20	22	24	26
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150+ 6001 or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
	2197-12mm Thermal Break					
	3007- 32mm Screw + 3091 Washer when Fit					
	3008- 38mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.40

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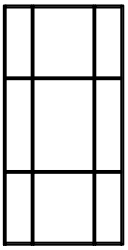
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ARCHITECTURAL ALUMINIUM SYSTEMS

Glazing charts

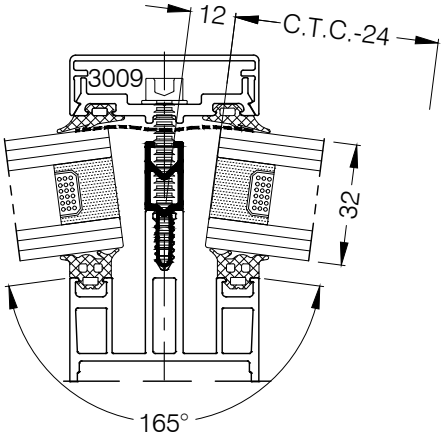
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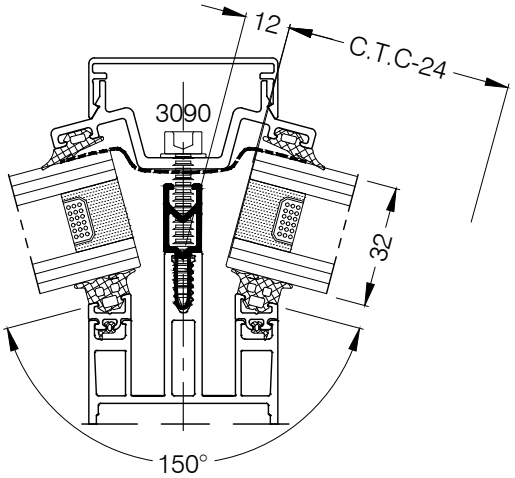
Comar 6EFT

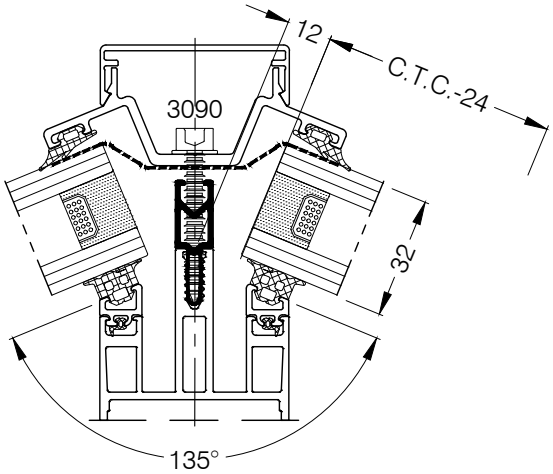
Capped curtain wall
External corner



3.41







GLAZING POCKET 42	Glazing Thickness (mm)					
	22	24	26	28	30	32
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6001or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	2200-18mm Thermal Break					
	3090- 42mm Screw + 3091 Washer when Fit					
	3009- 45mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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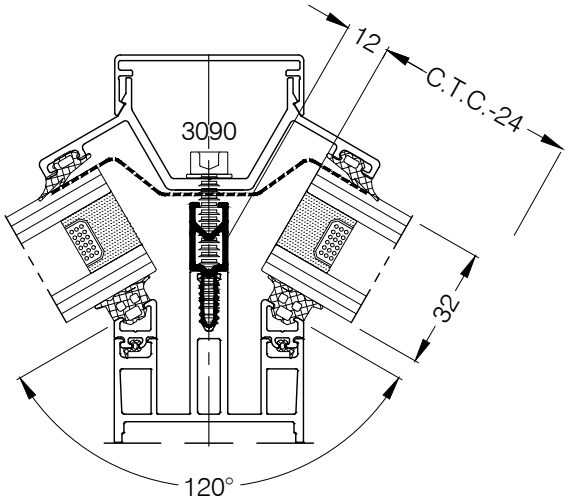
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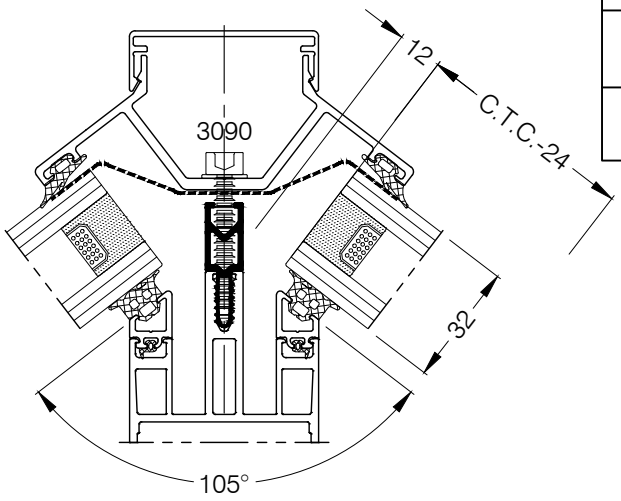
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Internal corner
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Capped curtain wall
External corner





GLAZING POCKET 42	Glazing Thickness (mm)					
	22	24	26	28	30	32
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6002 Pressure Plate Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
	2200-18mm Thermal Break					
	3090- 42mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.42

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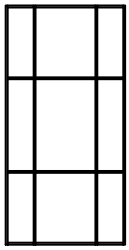
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Glazing charts

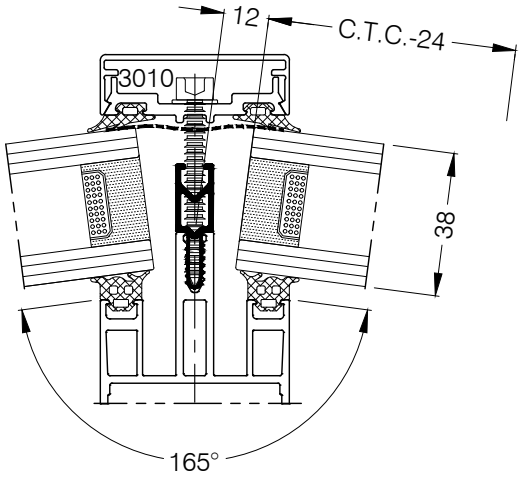
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3.43

Capped curtain wall
External corner

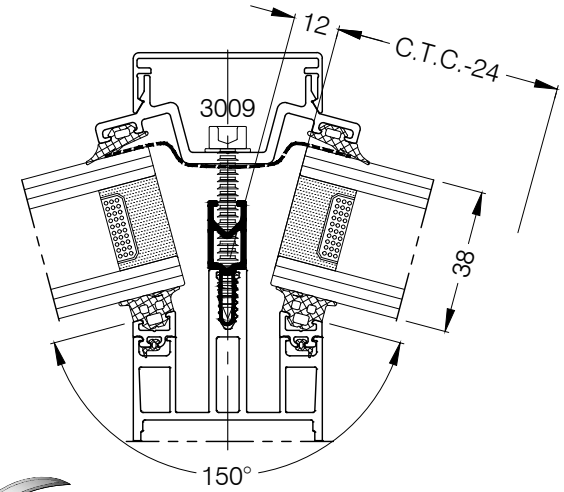


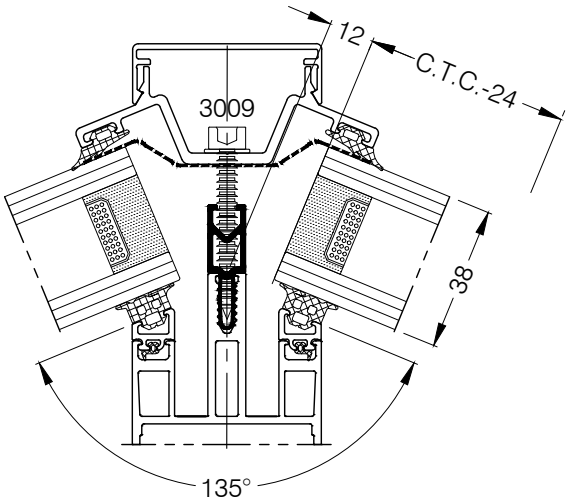
GLAZING POCKET 48	Glazing Thickness (mm)					
	28	30	32	34	36	38
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6001 or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	2200-18mm Thermal Break					
	3009- 45mm Screw + 3091 Washer when Fit					
	3010- 50mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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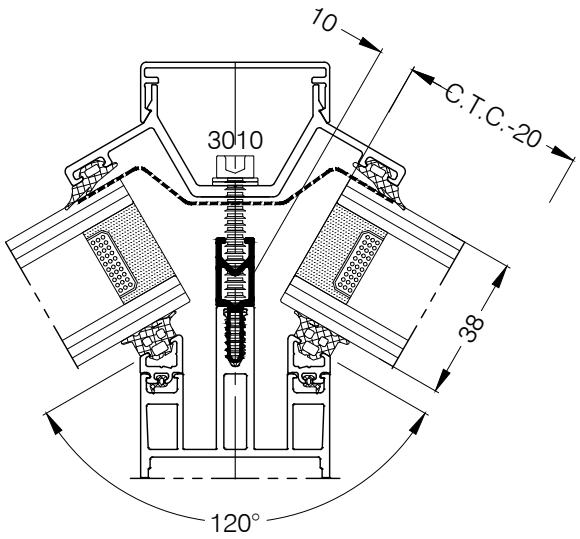
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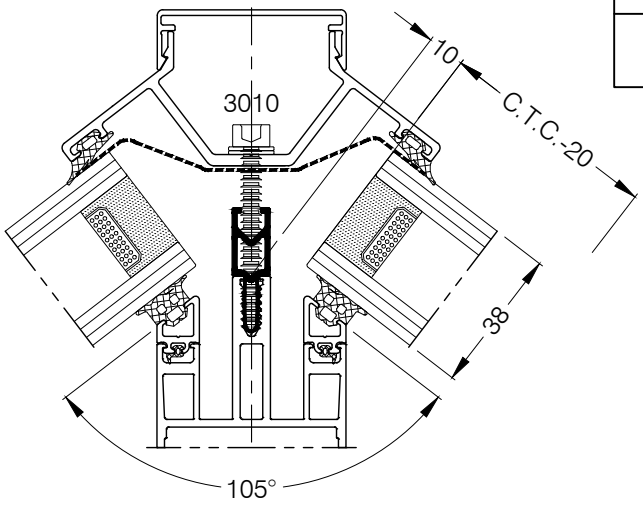
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Capped curtain wall
External corner





GLAZING POCKET 48	Glazing Thickness (mm)					
	28	30	32	34	36	38
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6002 Pressure Plate Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
	2200-18mm Thermal Break					
	3010- 50mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.44

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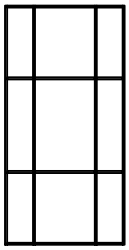
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Glazing charts 3

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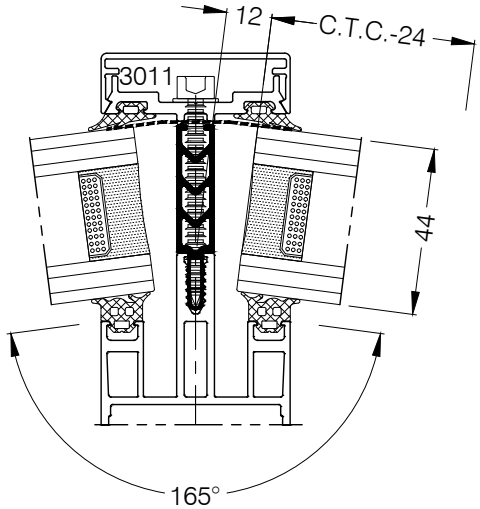


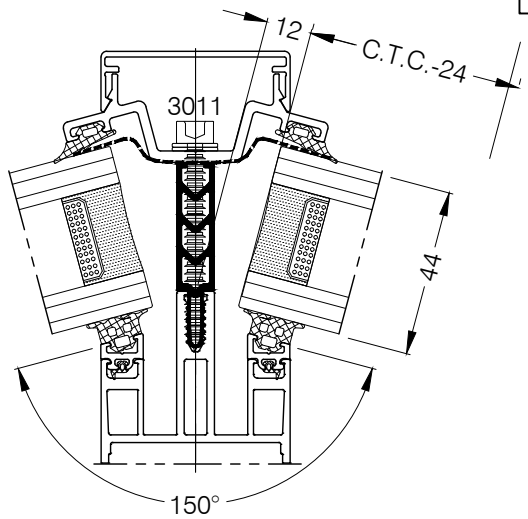
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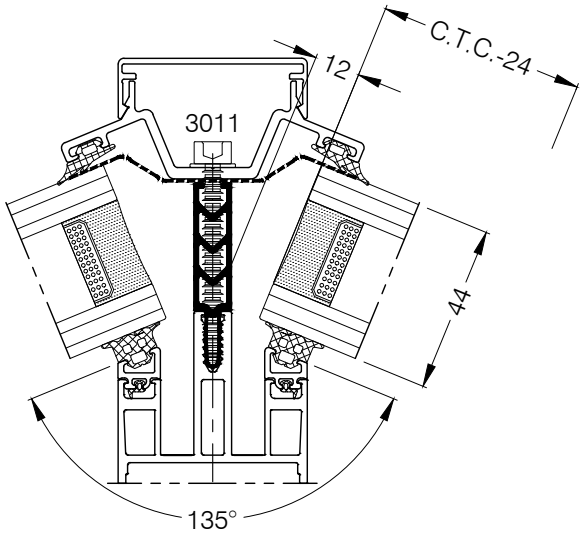
Capped curtain wall
External corner

GLAZING POCKET 54	Glazing Thickness (mm)					
	34	36	38	40	42	44
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6001 or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	2203-34mm Thermal Break					
	3011- 55mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.







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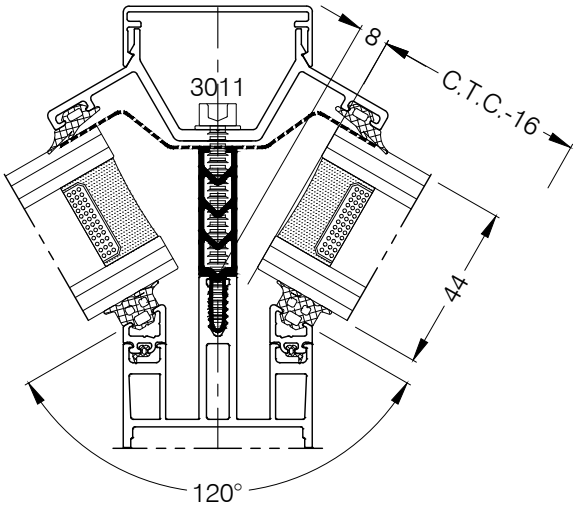
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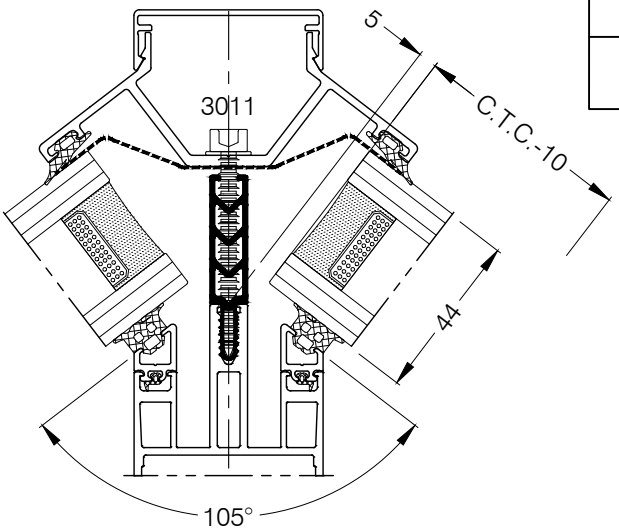
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Capped curtain wall External Corner





GLAZING POCKET 54	Glazing Thickness (mm)					
	34	36	38	40	42	44
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6002 Pressure Plate Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
	22034-34mm Thermal Break					
	3011- 55mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.46

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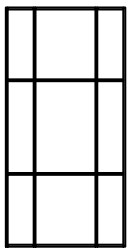
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ARCHITECTURAL ALUMINIUM SYSTEMS

Glazing charts

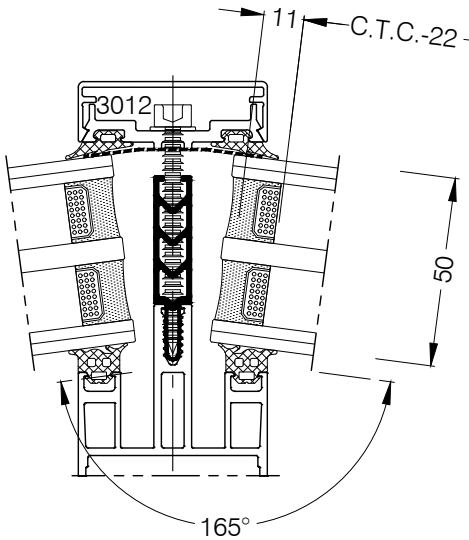
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Capped c.w.external corner



3.47

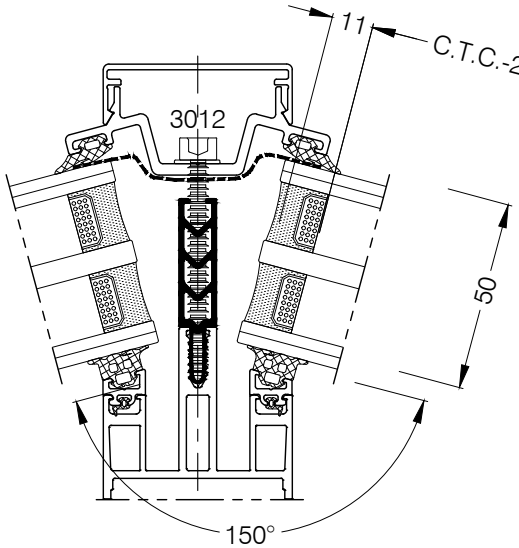


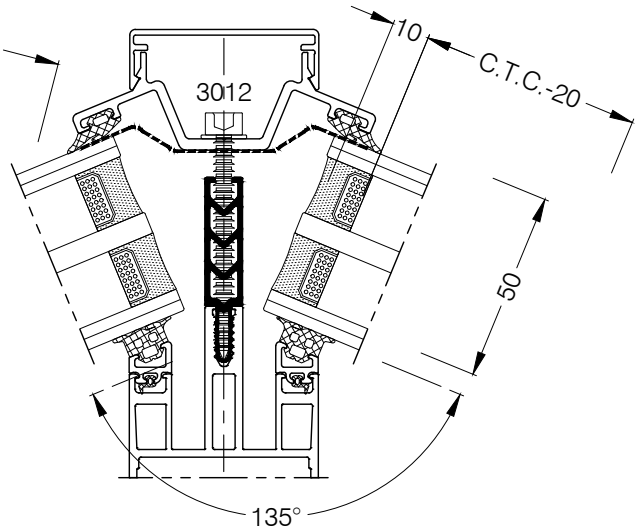
GLAZING POCKET 60	Glazing Thickness (mm)					
	40	42	44	46	48	50
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6001 or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	22034-34mm Thermal Break					
	3012- 60mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

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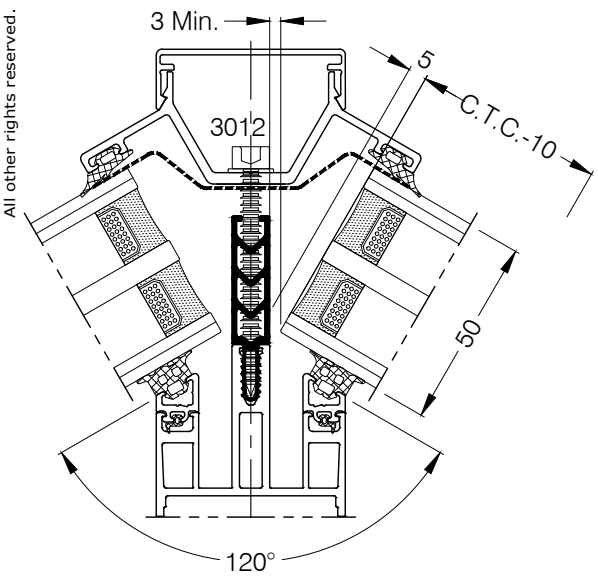
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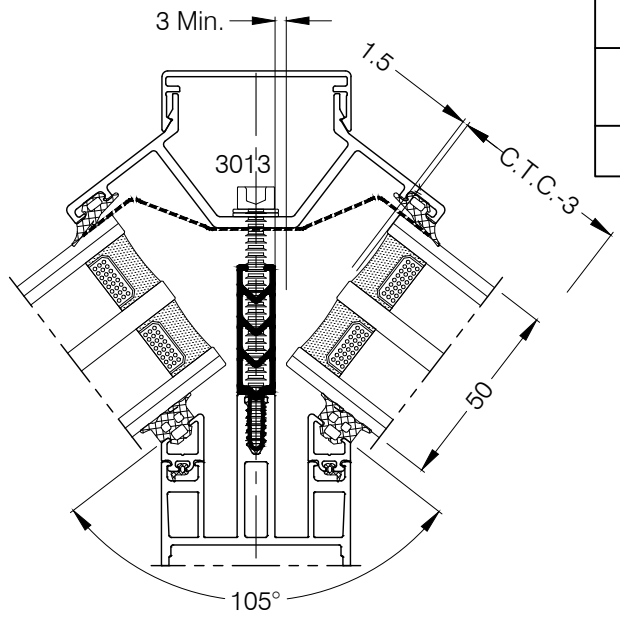
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Capped c.w External Corner





GLAZING POCKET 60	Glazing Thickness (mm)					
	40	42	44	46	48	50
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6002 Pressure Plate Gasket					
	1333-30° Glazing Adapter+2490 Gasket					
	1334-37.5° Glazing Adapter+2490 Gasket					
	2203-34mm Thermal Break					
	3012- 60mm Screw + 3091 Washer when Fit					
	3013- 65mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.

3.48

Fabricators Guide

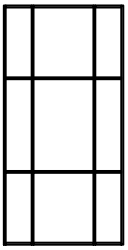
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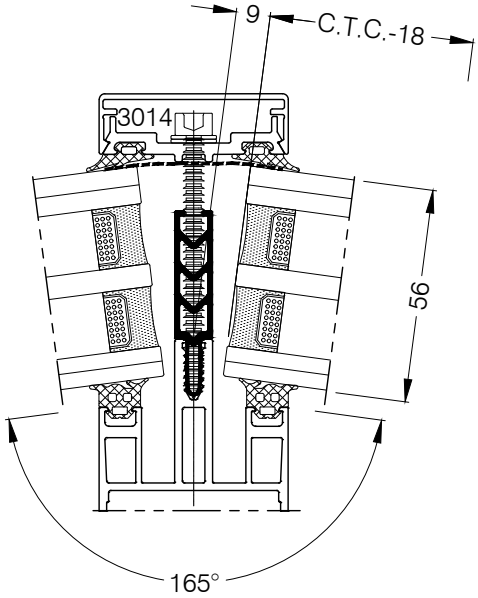
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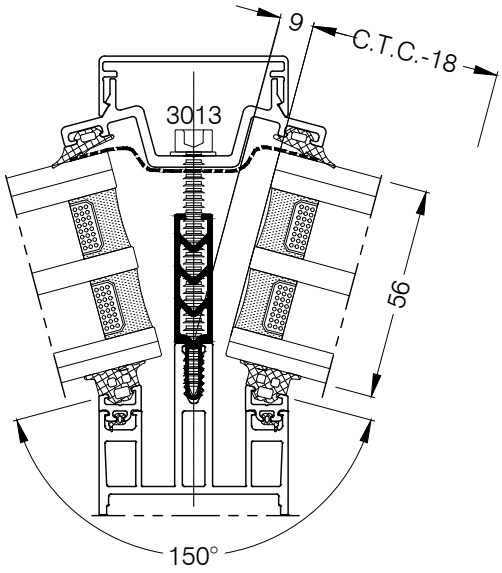
Glazing charts 3

Comar 6EFT



3.49

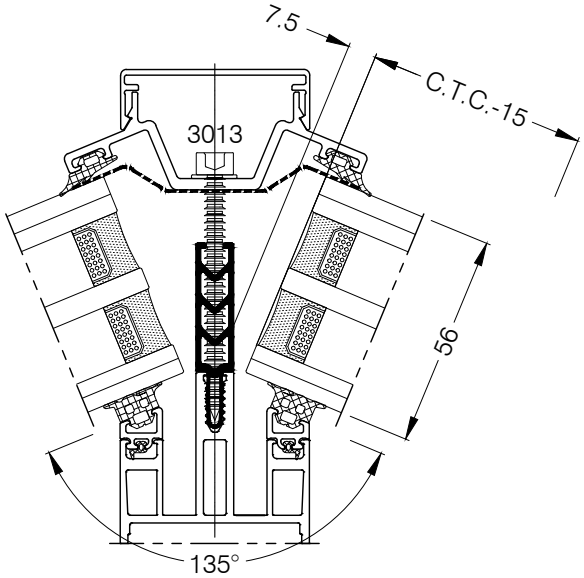




Capped c.w. External Corner

GLAZING POCKET 66	Glazing Thickness (mm)					
	46	48	50	52	54	56
2102 6mm 2101						X
2104 8mm 2103					X	
2106 10mm 2105				X		
2108 12mm 2107			X			
2110 14mm 2109		X				
2112 16mm 2111	X					
BUTYL	2150 + 6001 or 6002 Pressure Plate Gasket					
	1331-15° Glazing Adapter+2490 Gasket					
	1332-22.5° Glazing Adapter+2490 Gasket					
	2203-34mm Thermal Break					
	3013- 65mm Screw + 3091 Washer when Fit					
	3014- 70mm Screw + 3091 Washer when Fit					
	As required for ventilation					

TRANSOM ITEMS SEE GLAZING CHART FOR CAPPED C.W.



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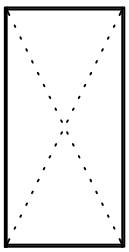
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Future Additions



3.50

FUTURE ADDITION

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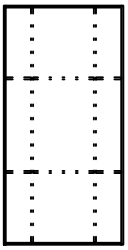
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Glazing charts

3

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4 sided SG & 2 sided SGH

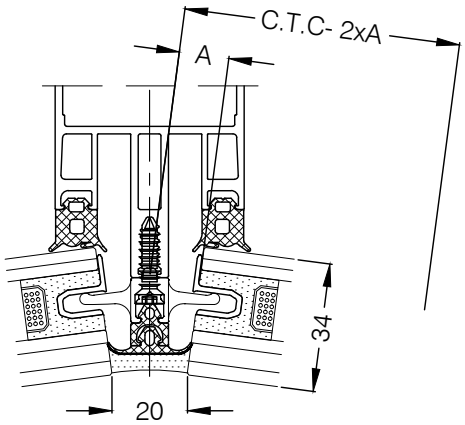


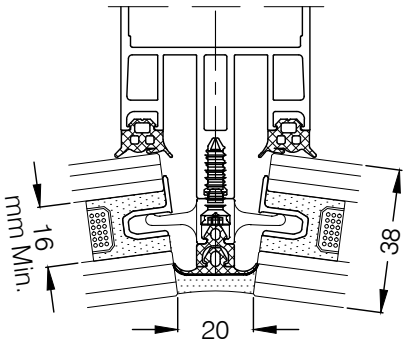
3.51

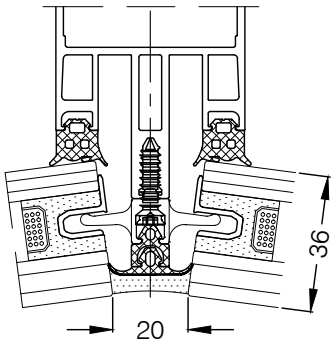
Inward Angle 7.5°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102	6mm 2101	12			X						X	13.2
		10			X					X		12.9
		8			X				X			12.3
		6			X			X				12.4
2104	8mm 2103	12		X						X		13.2
		10		X					X			12.9
		8		X				X				12.7
		6		X			X					12.4
2106	10mm 2105	12	X						X			13.2
		10	X					X				12.9
		8	X				X					12.5
		6	X			X						12.4

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

2176- 4mm Joint Gasket		X	X	
2170- 2mm Joint Gasket	X			X
2166 6mm- Gasket				X
2197- 12mm Thermal Break				
2403- 12mm Double Glazing Clamp				
3029-23mm Screw				
As required for ventilation				







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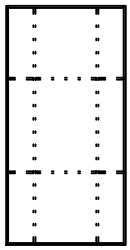
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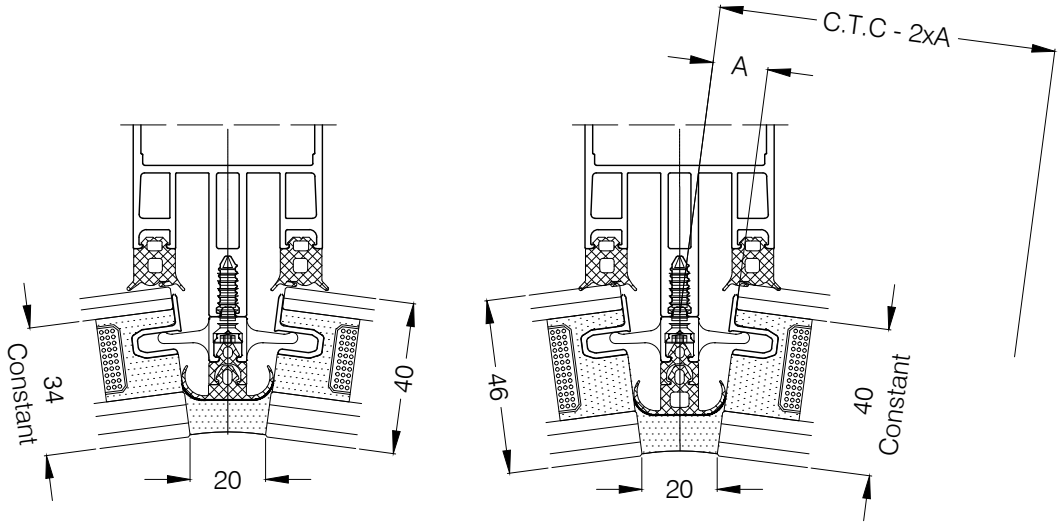
4 sided SG & 2 sided SGH



3.52

Inward Angle 7.5°		Inner Glass Pane (mm)			Glazing Thickness (mm)						A (mm)	TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
		6-7	8-9	10-11	40	42	44	46	48	50		
2102	6mm 2101			X			X				14.1	
										X	14.6	
2104	8mm 2103		X			X					14.1	
									X		14.6	
2106	10mm 2105	X			X						14.1	
								X			14.6	

	2176 - 4mm Joint Gasket
	2178 - 8mm Joint Gasket
	2166 - 6mm- Gasket
	2100 - 18mm Thermal Break
	2431 - 12mm Double Glazing Clamp
	3029 - 23mm Screw
	As required for ventilation



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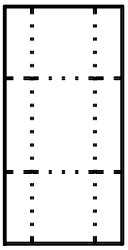
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Glazing charts 3

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4 sided SG & 2 sided SGH



3.53

Fabricators Guide

Inward Angle 15°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102	6mm 2101	12			X						X	16.9
		10			X					X		15.7
		8			X				X			15.2
		6			X			X				14.6
2104	8mm 2103	12		X						X		16.3
		10		X					X			15.7
		8		X				X				15.2
		6		X			X					17.7
2106	10mm 2105	12	X						X			16.3
		10	X					X				15.7
		8	X				X					15.1
		6	X			X						14.6

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

	12	10	8	6
2176- 4mm Joint Gasket		X	X	X
2172- 2mm Joint Gasket	X			

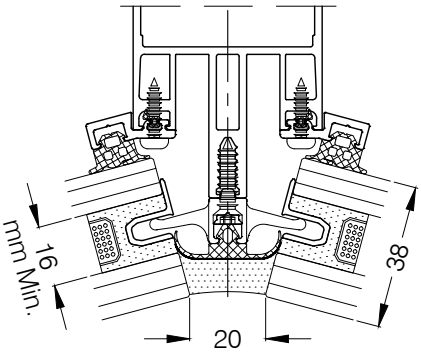
2442- 12mm Double Glazing Clamp

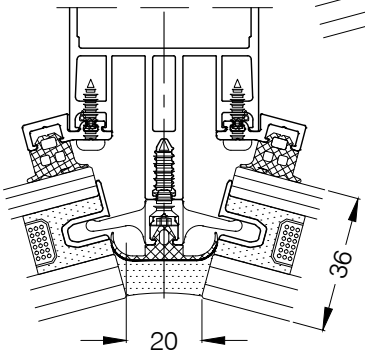
3029-23mm Screw

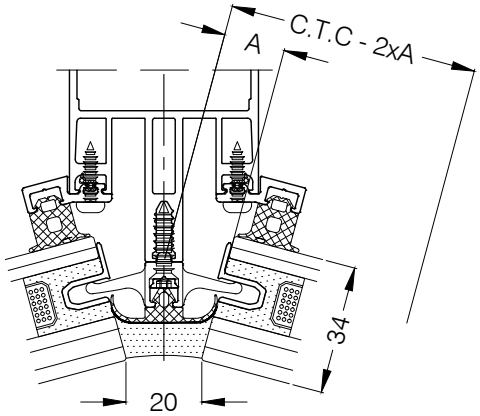
2197- 12mm Thermal Break

As required for ventilation

1339- 15° Glazing Adapter +3021 Screw + 2490 Gasket







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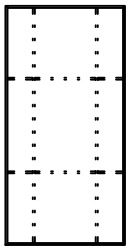
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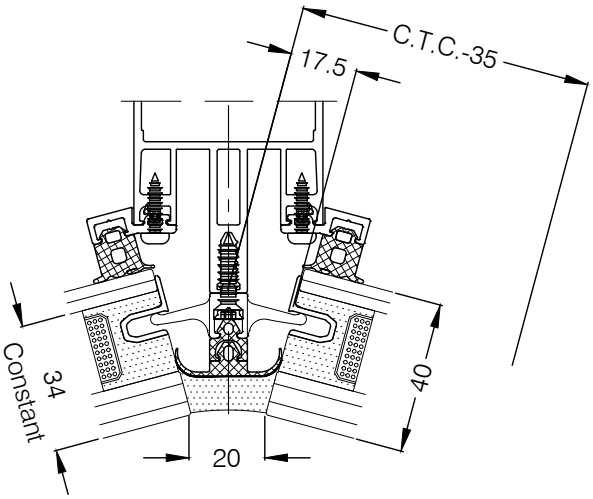
4 sided SG & 2 sided SGH



3.54

Inward Angle 15°		Inner Glass Pane (mm)			Glazing Thickness (mm)			TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
		6-7	8-9	10-11	40	42	44	
2102	6mm 2101			X			X	
2104	8mm 2103		X			X		
2106	10mm 2105	X			X			

	2176- 4mm Joint Gasket
	2166 6mm- Gasket
	2100- 18mm Thermal Break
	1339- 15° Glazing Adapter +3021 Screw + 2490 Gasket
	2442- 12mm Double Glazing Clamp
	3029-23mm Screw
	As required for ventilation



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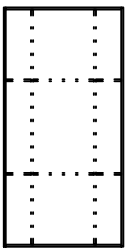
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Glazing charts

3

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4 sided SG & 2 sided SGH



3.55

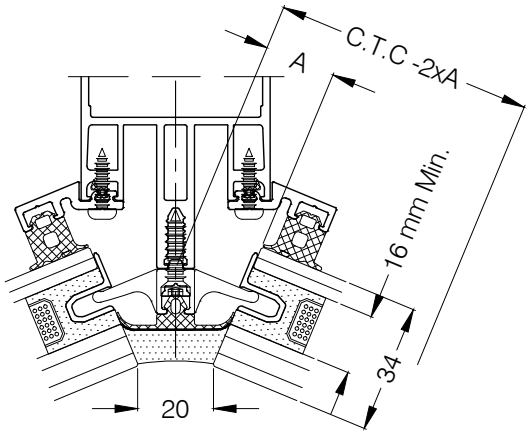
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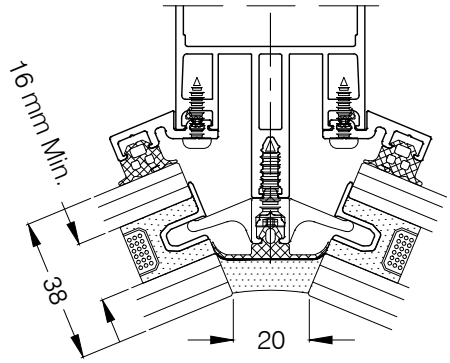
Inward Angle 22.5°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102	6mm 2101	12			X						X	18.5
		10			X					X		18.0
		8			X				X			16.8
		6			X			X				16.4
2104	8mm 2103	12		X						X		18.6
		10		X					X			18.0
		8		X				X				17.4
		6		X			X					16.4
2106	10mm 2105	12	X						X			18.8
		10	X					X				18.1
		8	X				X					17.2
		6	X			X						16.4

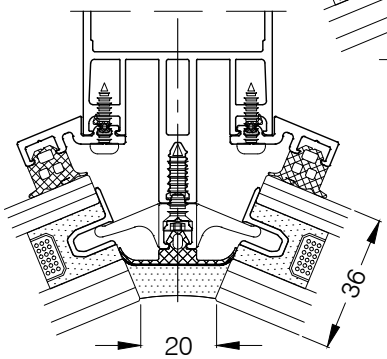
TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

	Outer Glass Pane (mm) 6	8	10	12
2176- 4mm Joint Gasket			X	X
2172- 2mm Joint Gasket	X	X		

2443- 12mm Double Glazing Clamp	1337- 22.5° Glazing Adapter +3021 Screw + 2490 Gasket
3029-23mm Screw	
2197- 12mm Thermal Break	
As required for ventilation	







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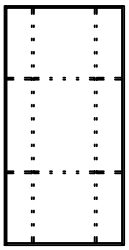
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4 sided SG & 2 sided SGH



3.56

Inward Angle 30°	Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102 6mm 2101	12			X						X	21.5
	10			X					X		20.4
	8			X				X			19.3
	6			X			X				18.1
2104 8mm 2103	12		X						X		21.6
	10		X					X			20.4
	8		X				X				19.2
	6		X			X					18.1
2106 10mm 2105	12	X						X			21.6
	10	X					X				20.4
	8	X				X					19.3
	6	X			X						18.1

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

2178- 8mm Joint Gasket				X
2176- 4mm Joint Gasket		X	X	
2172- 2mm Joint Gasket	X			

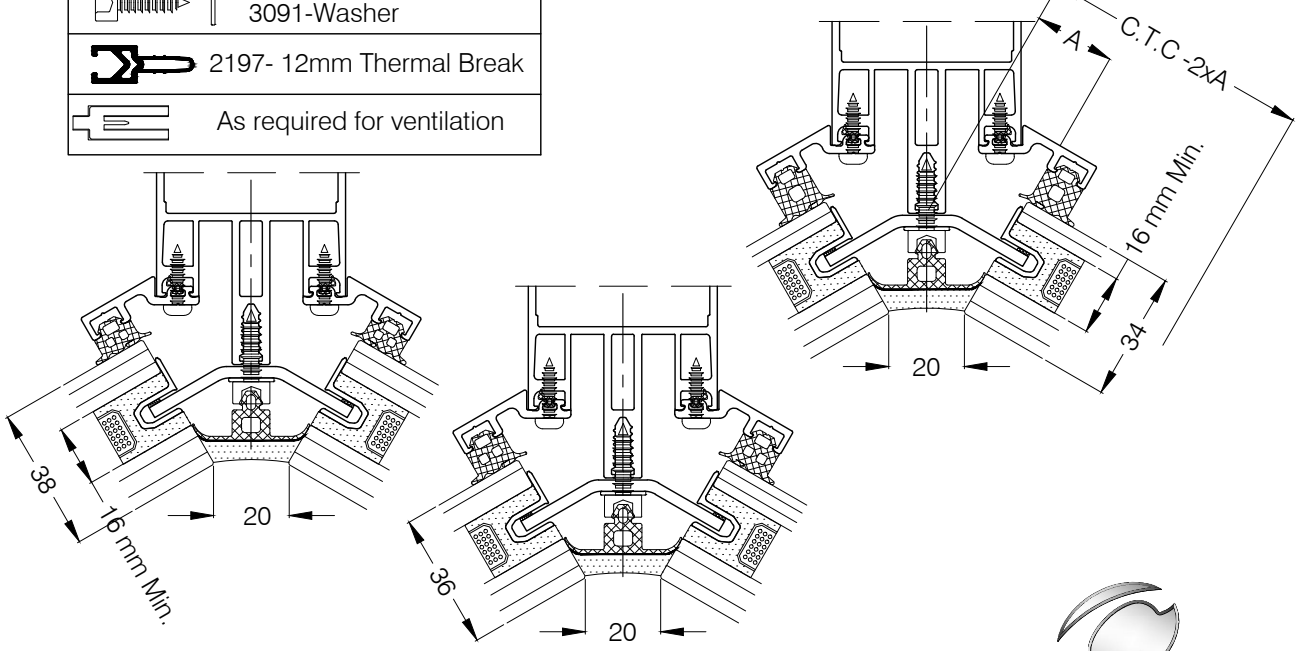
Clamp Inner Angle 30°

1338- 30° Glazing Adapter +3021 Screw + 2490 Gasket

3004-19mm Screw 3091-Washer

2197- 12mm Thermal Break

As required for ventilation



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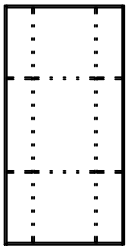
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Fabricators Guide

Glazing charts 3

Comar 6EFT

4 sided SG & 2 sided SGH



3.57

Fabricators Guide

Inward Angle 37.5°	Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	A (mm)
2102 6mm 2101	10			X					X	23
	8			X				X		22
	6			X			X			20
2104 8mm 2103	10		X					X		23
	8		X				X			22
	6		X			X				20
2106 10mm 2105	10	X					X			23
	8	X				X				22
	6	X			X					20

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

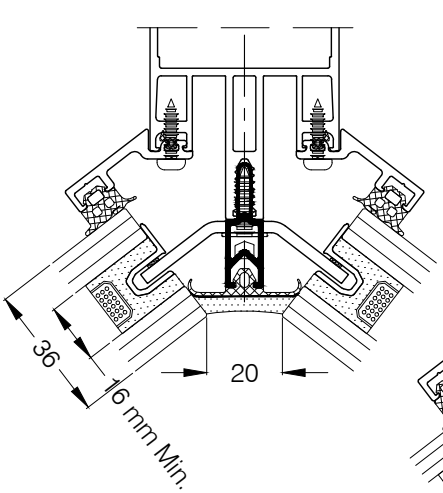
	10	8	6
2172- 2mm Joint Gasket	X	X	X
2166- 6mm Gasket 2167- 8mm Gasket	X	X	
2200- 18mm Thermal Break			X

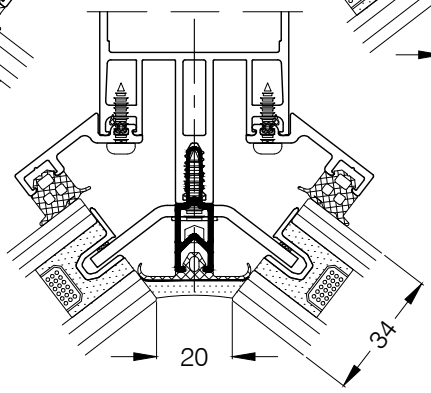
Clamp Inner Angle 37.5°

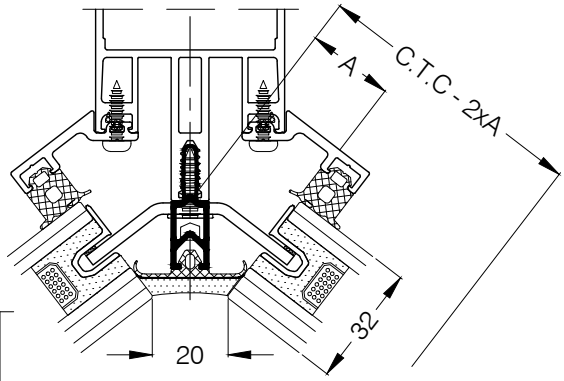
1339- 37.5° Glazing Adapter +3021 Screw + 2490 Gasket

3004-19mm Screw 3091-Washer

As required for ventilation







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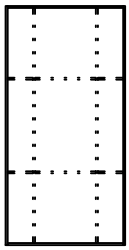
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4 sided SG & 2 sided SGH

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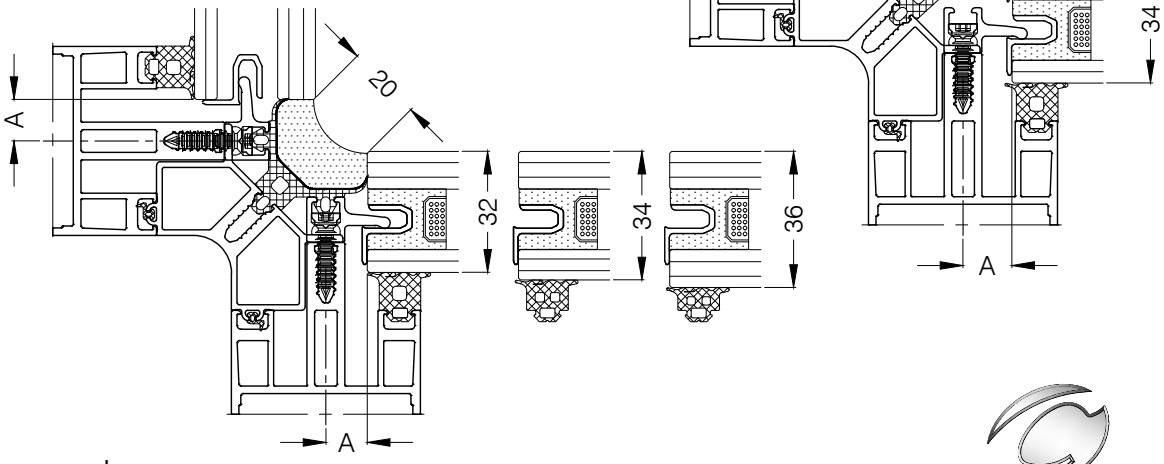
3.58

Inward Angle 45°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102	6mm 2101	12			X						X	13
		10			X					X		11
		8			X				X			11**
		6			X			X				11*
2104	8mm 2103	12		X						X		13
		10		X					X			11
		8		X				X				11**
		6		X			X					11*
2106	10mm 2105	12	X						X			13
		10	X					X				11
		8	X				X					11**
		6	X			X						11*

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

*- Seal Gap 25mm
**- Seal Gap 23mm

Gasket 2171	X	X	X	
2155 22mm - Gasket				X
2172 2mm - Gasket				X
2025 Drainage Diverter	X	X	---	---
2403- 12mm Double Glazing Clamp				
3029-23mm Screw				



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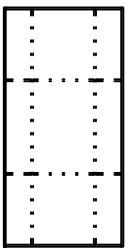
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Glazing charts 3

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4 sided SG & 2 sided SGH



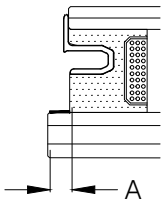
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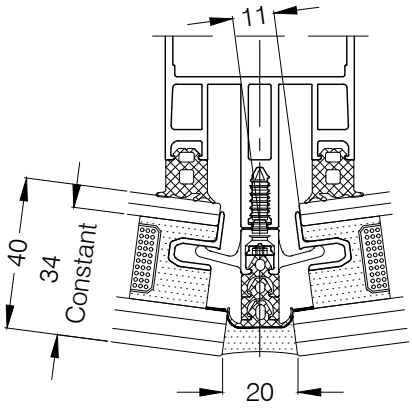
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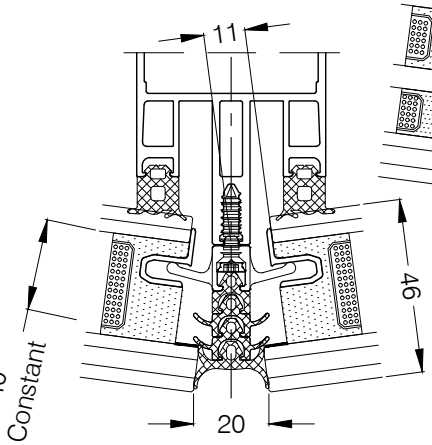
Outward Angle 7.5°	Inner Glass Pane (mm)			Glazing Thickness (mm)									A (mm)
	6-7	8-9	10-11	40	42	44	46	48	50	52	54	56	
2102 6mm 2101			X									X	7.0
									X				6.1
						X							5.4
2104 8mm 2103		X									X		7.0
								X					6.1
					X								5.4
2106 10mm 2105	X									X			7.0
							X						6.1
				X									5.4
2170- 2mm Joint Gasket				X	X	X				X	X	X	
2182- 2mm Joint Gasket							X	X	X				
2166 6mm- Gasket				X	X	X	X	X	X				
2166- 6mm Gasket x 2							X	X	X				
2155 22mm- Gasket										X	X	X	
2100- 18mm Thermal Break				X	X	X	X	X					
2103- 34mm Thermal Break									X	X	X	X	
2026- 64mm Drainage Diverter				X	X	X							
2027- 72mm Drainage Diverter							X	X	X	X	X	X	
2431- 12mm Double Glazing Clamp													
3029-23mm Screw													

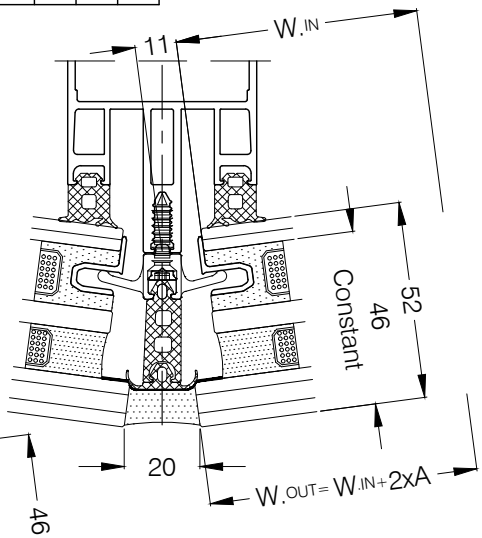
TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

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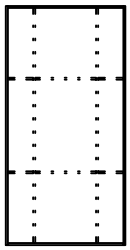
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4 sided SG & 2 sided SGH



3.60

Outward Angle 7.5°	Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102 6mm 2101	12			X						X	4.6
	10			X					X		4.5
	8			X				X			4.3
	6			X			X				4.2
2104 8mm 2103	12		X						X		4.5
	10		X					X			4.3
	8		X				X				4.2
	6		X			X					4.0
2106 10mm 2105	12	X						X			4.3
	10	X					X				4.2
	8	X				X					4.0
	6	X			X						3.8

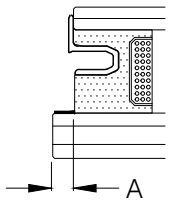
TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

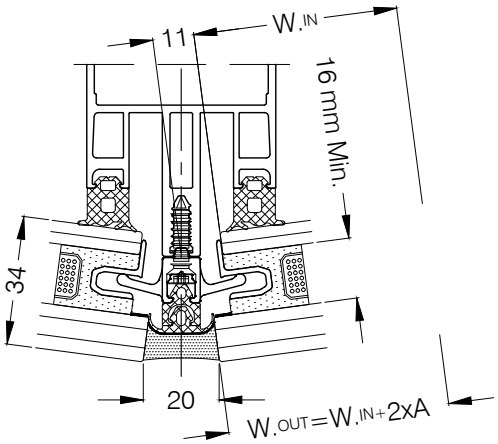
	12	10	8	6
2176- 4mm Joint Gasket			X	X
2170- 2mm Joint Gasket	X	X		
2166 6mm- Gasket	X	X		
2021- 50mm Drainage Diverter			X	X
2020- 56mm Drainage Diverter	X	X		

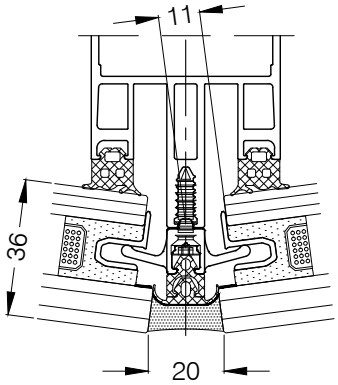
2431- 12mm Double Glazing Clamp

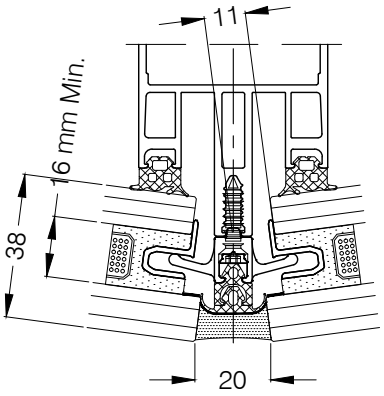
3029-23mm Screw

2197- 12mm Thermal Break









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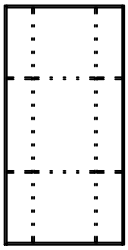
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Glazing charts 3

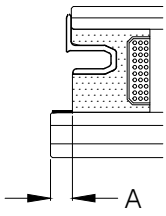
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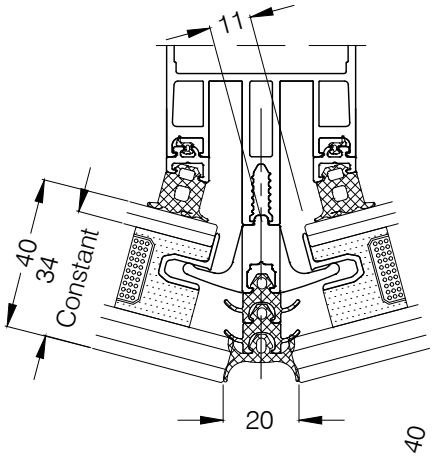
4 sided SG & 2 sided SGH

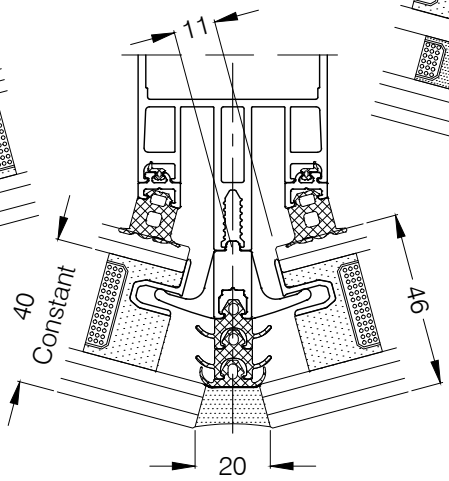


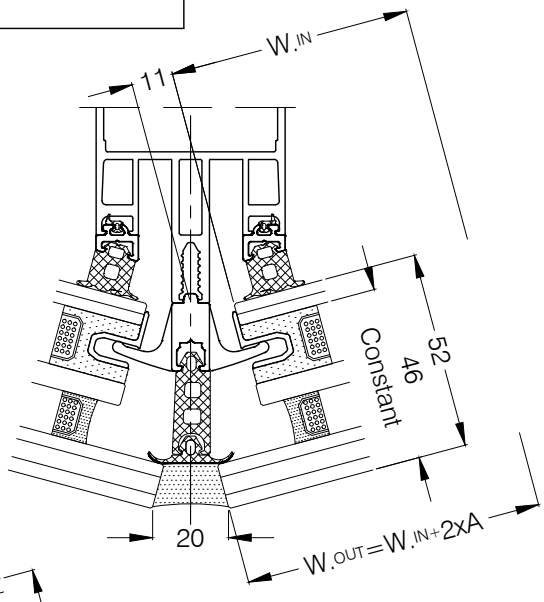
3.61

Outward Angle 15°	Inner Glass Pane (mm)			Glazing Thickness (mm)									A (mm)	TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
	6-7	8-9	10-11	40	42	44	46	48	50	52	54	56		
2102 6mm 2101			X									X	15.3	
									X				13.3	
						X							11.8	
2104 8mm 2103		X									X		15.3	
								X					13.3	
					X								11.8	
2106 10mm 2105	X									X			15.3	
							X						13.3	
				X									11.8	
2170- 2mm Joint Gasket							X	X	X	X	X	X		
2182- 2mm Joint Gasket				X	X	X								
2167 8mm- Gasket x 2				X	X	X	X	X	X					
2166 6mm- Gasket										X	X	X		
2155 22mm- Gasket										X	X	X		
2432- 18mm Double Glazing Clamp				1331- 15° Glazing Adapter + 2490 Gasket										
3030-23mm Screw														
2103- 34mm Thermal Break														
NO Drainage Diverter														









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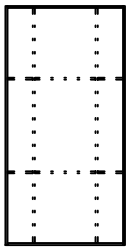
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4 sided SG & 2 sided SGH

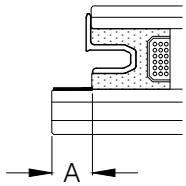


3.62

Outward Angle 15°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	38	A (mm)
2102	6mm 2101	12			X						X	10.4
		10			X					X		9.9
		8			X				X			9.4
		6			X			X				8.4
2104	8mm 2103	12		X						X		10.4
		10		X					X			9.9
		8		X				X				9.4
		6		X			X					8.4
2106	10mm 2105	12	X						X			10.4
		10	X					X				9.4
		8	X				X					9.4
		6	X			X						8.4

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

	12	10	8	6
2172- 2mm Joint Gasket		X	X	X
2176- 4mm Joint Gasket	X			
2020- 56mm Drainage Diverter	X	X	X	---

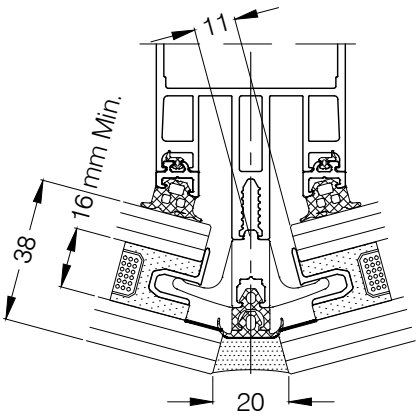


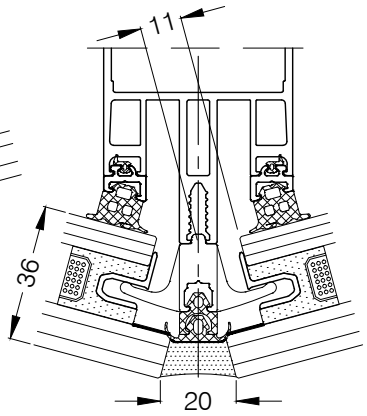
2432- 18mm Double Glazing Clamp

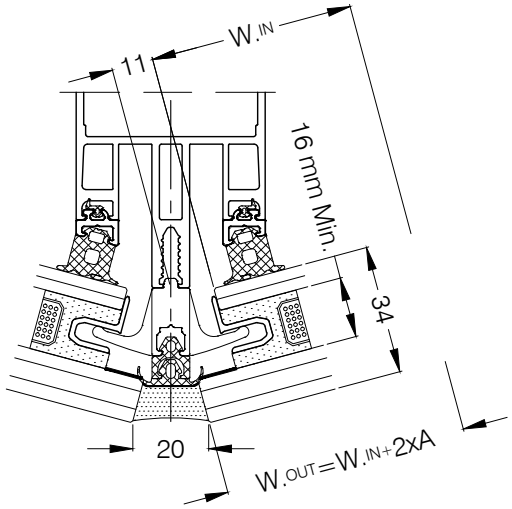
1331- 15° Glazing Adapter + 2490 Gasket

3030-29mm Screw

2200- 18mm Thermal Break







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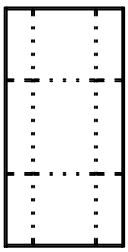
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Glazing charts 3

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4 sided SG & 2 sided SGH



3.63

Fabricators Guide

Outward Angle 22.5°	Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	36	A (mm)
2102 6mm 2101	10			X					X	16.1
	8			X				X		15.2
	6			X			X			14.5
2104 8mm 2103	10		X					X		16.1
	8		X				X			15.2
	6		X			X				14.5
2106 10mm 2105	10	X					X			16.2
	8	X				X				15.3
	6	X			X					14.5
2025 Drainage Diverter	X X ----									

TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH

2433- 18mm Double Glazing Clamp

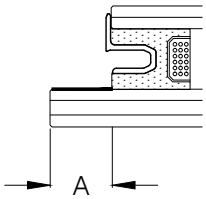
1332- 22.5° Glazing Adapter + 2490 Gasket

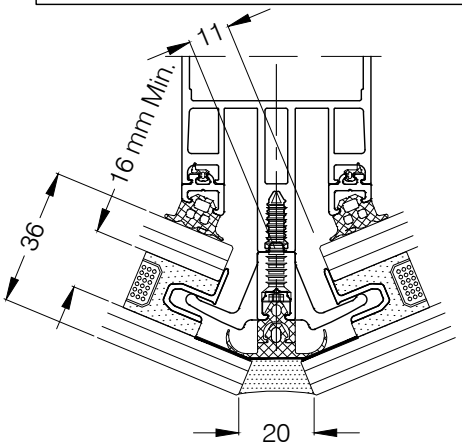
3030-29mm Screw

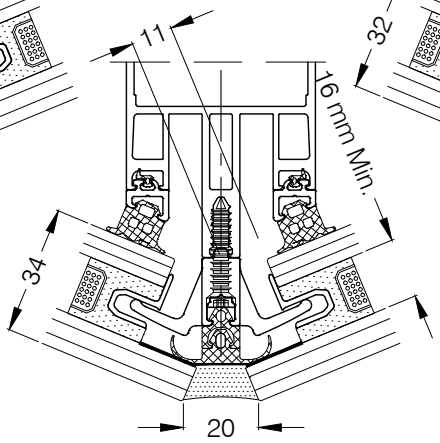
2176- 4mm Joint Gasket

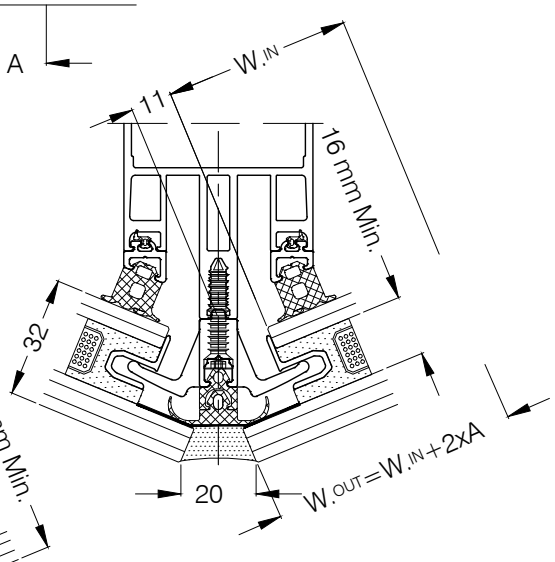
2166- 6mm Gasket

2200- 18mm Thermal Break









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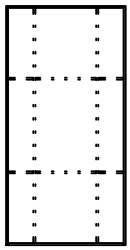
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4 sided SG & 2 sided SGH



3.64

Outward Angle 30°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	34	A (mm)	TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
2102 6mm 2101											
		8			X				X	22.8	
		6			X			X		22.1	
2104 8mm 2103											
		8		X				X		22.8	
		6		X			X			21.8	
2106 10mm 2105											
		8	X				X			22.7	
		6	X			X				22.1	

2178- 8mm Joint Gasket

2166- 6mm Gasket

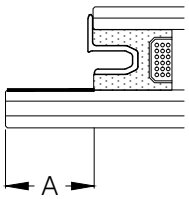
Clamp Outer Angle 30°

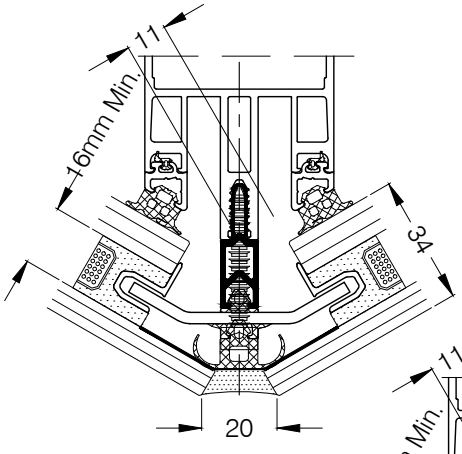
1333- 30° Glazing Adapter + 2490 Gasket

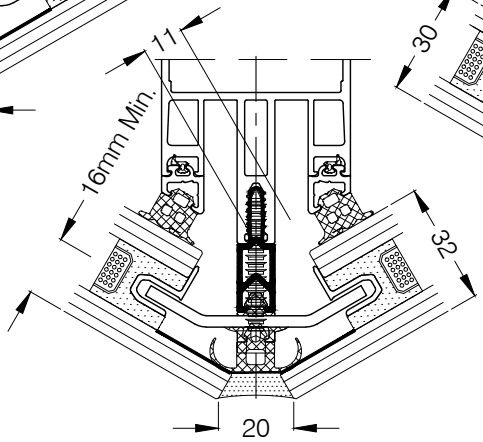
3008-38mm Screw +3091 Washer

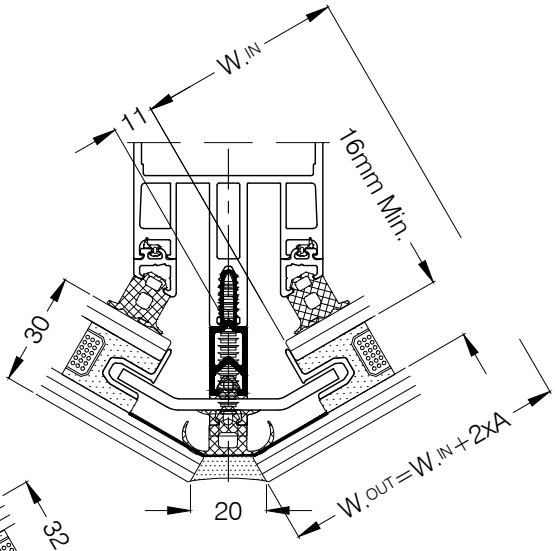
2200- 18mm Thermal Break

2025 Drainage Diverter









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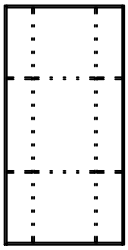
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Glazing charts

3

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4 sided SG & 2 sided SGH



3.65

Outward Angle 37.5°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
2102	6mm 2101	6			X			X	
2104	8mm 2103	6		X			X		
2106	10mm 2105	6	X			X			

2176- 4mm Joint Gasket

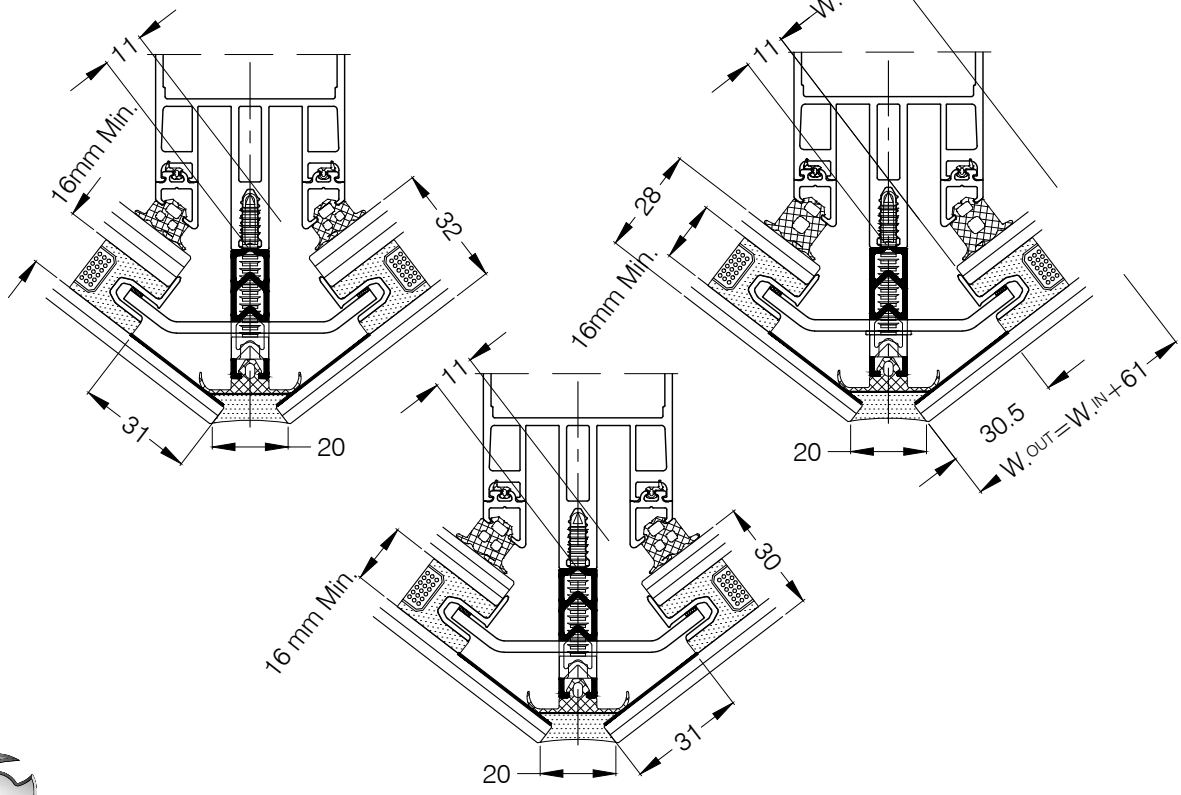
Clamp Outer Angle 30°

1334- 37.5° Glazing Adapter + 2490 Gasket

3008-38mm Screw +3091 Washer

2203- 34mm Thermal Break

2025 Drainage Diverter



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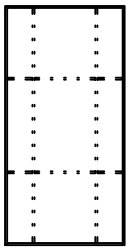
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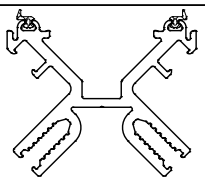
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4 sided SG & 2 sided SGH

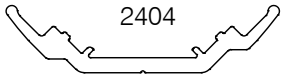


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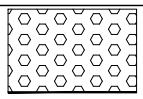
Outward Angle 45°		Outer Glass Pane (mm)	Inner Glass Pane (mm) 6-7	8-9	10-11	Glazing Thickness (mm) 28	30	32	TRANSOM ITEMS SEE GLAZING CHART FOR 4 SIDE SG OR 2 SIDE SGH
2102	6mm 2101	6			X			X	
2104	8mm 2103	6		X			X		
2106	10mm 2105	6	X			X			



1265+2490 Gasket



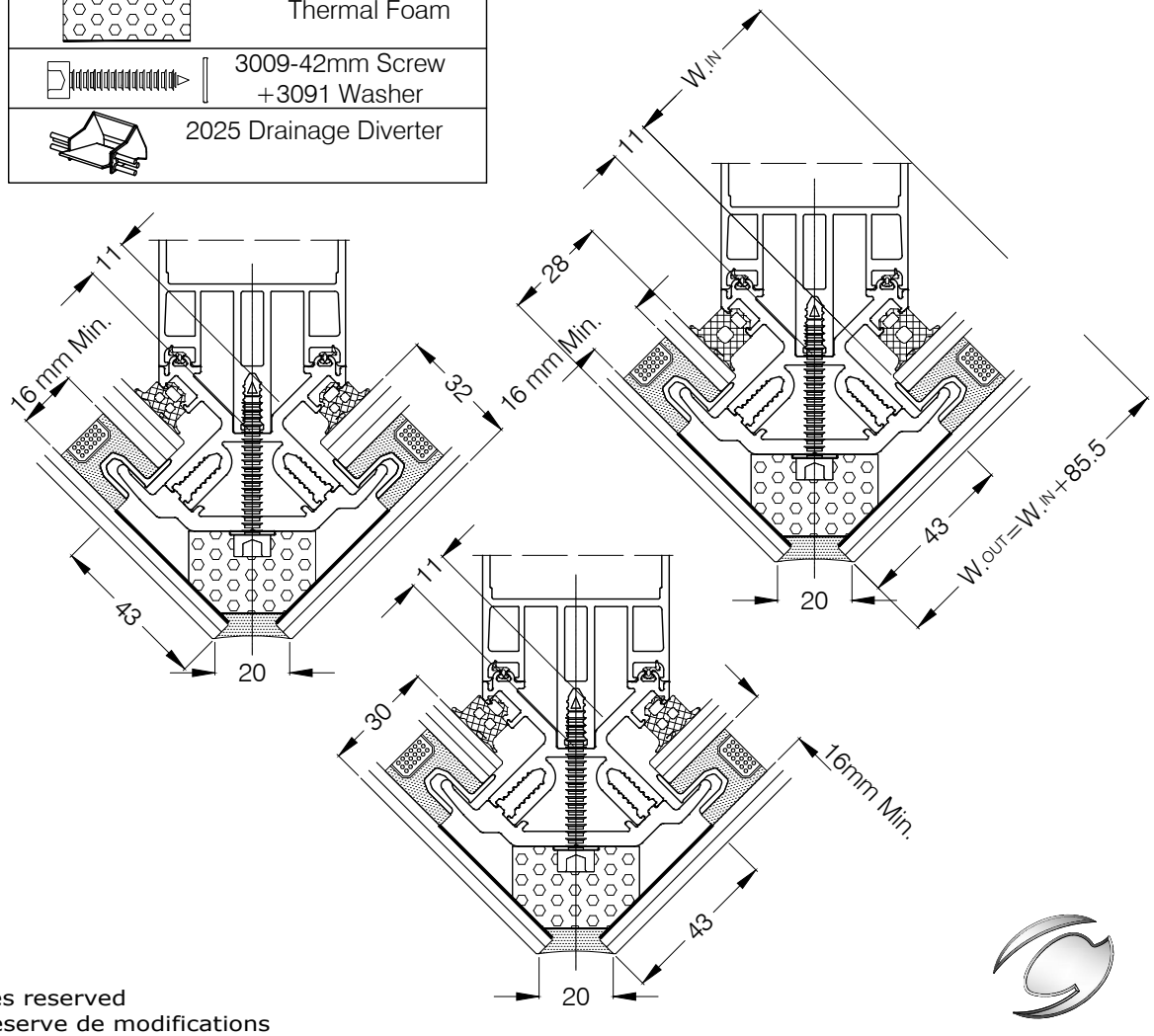
2404



FM134 Thermal Foam

3009-42mm Screw +3091 Washer

2025 Drainage Diverter



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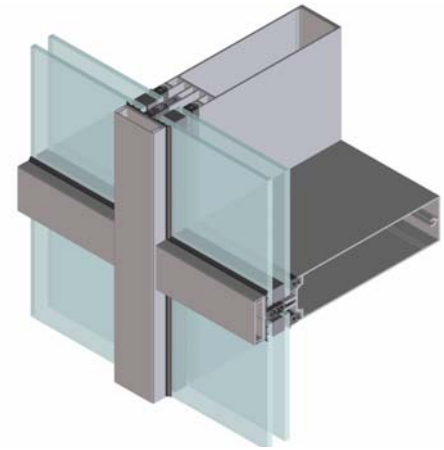
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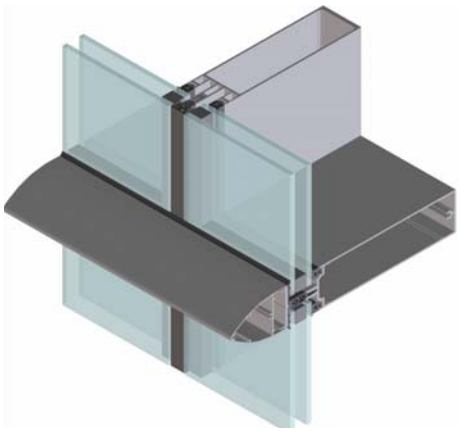
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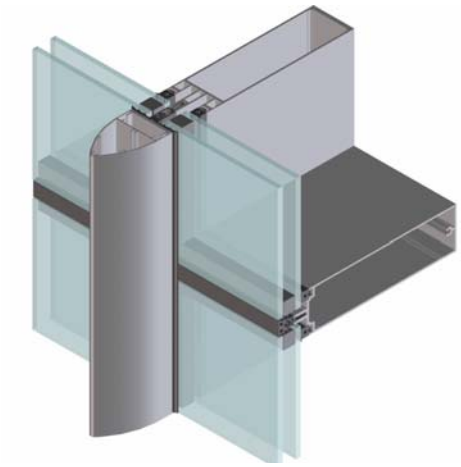
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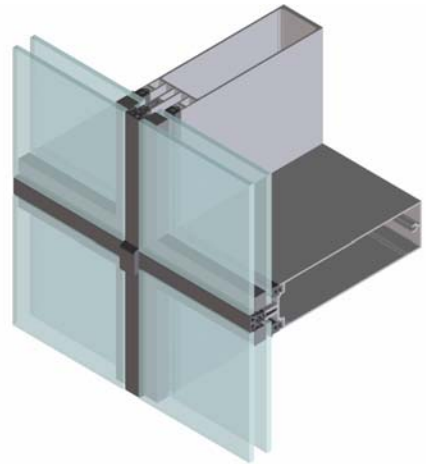
Capped



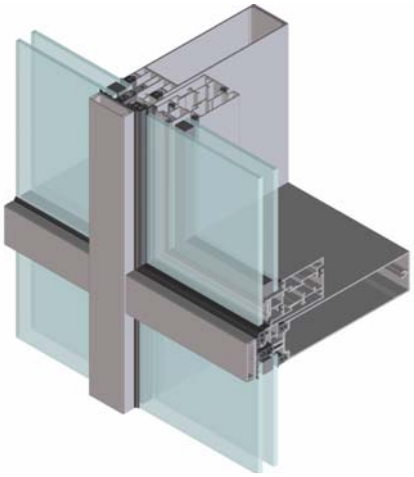
2sided SGH



2sided SGV



4sided SG



Concealed Vent

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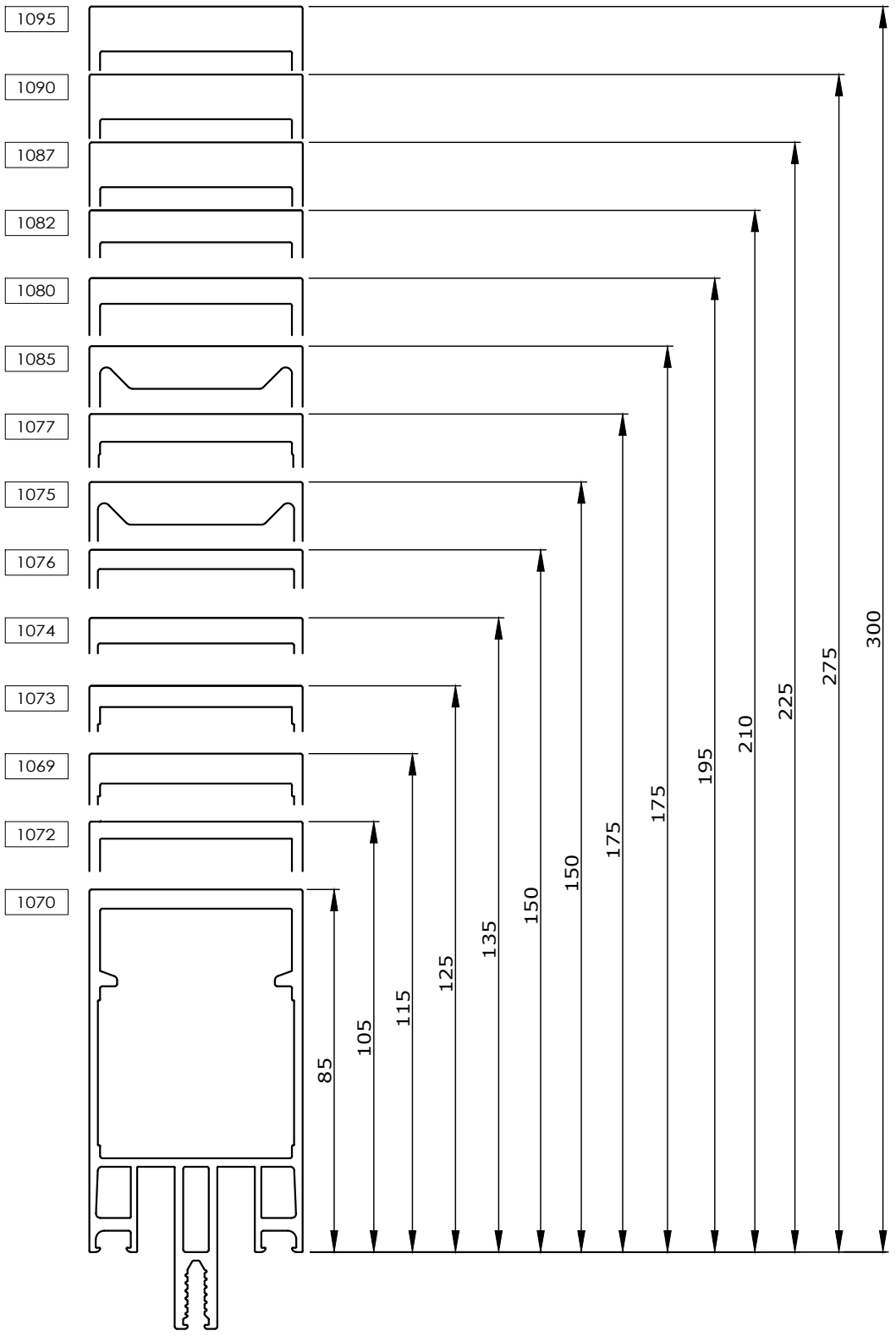
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Mullions



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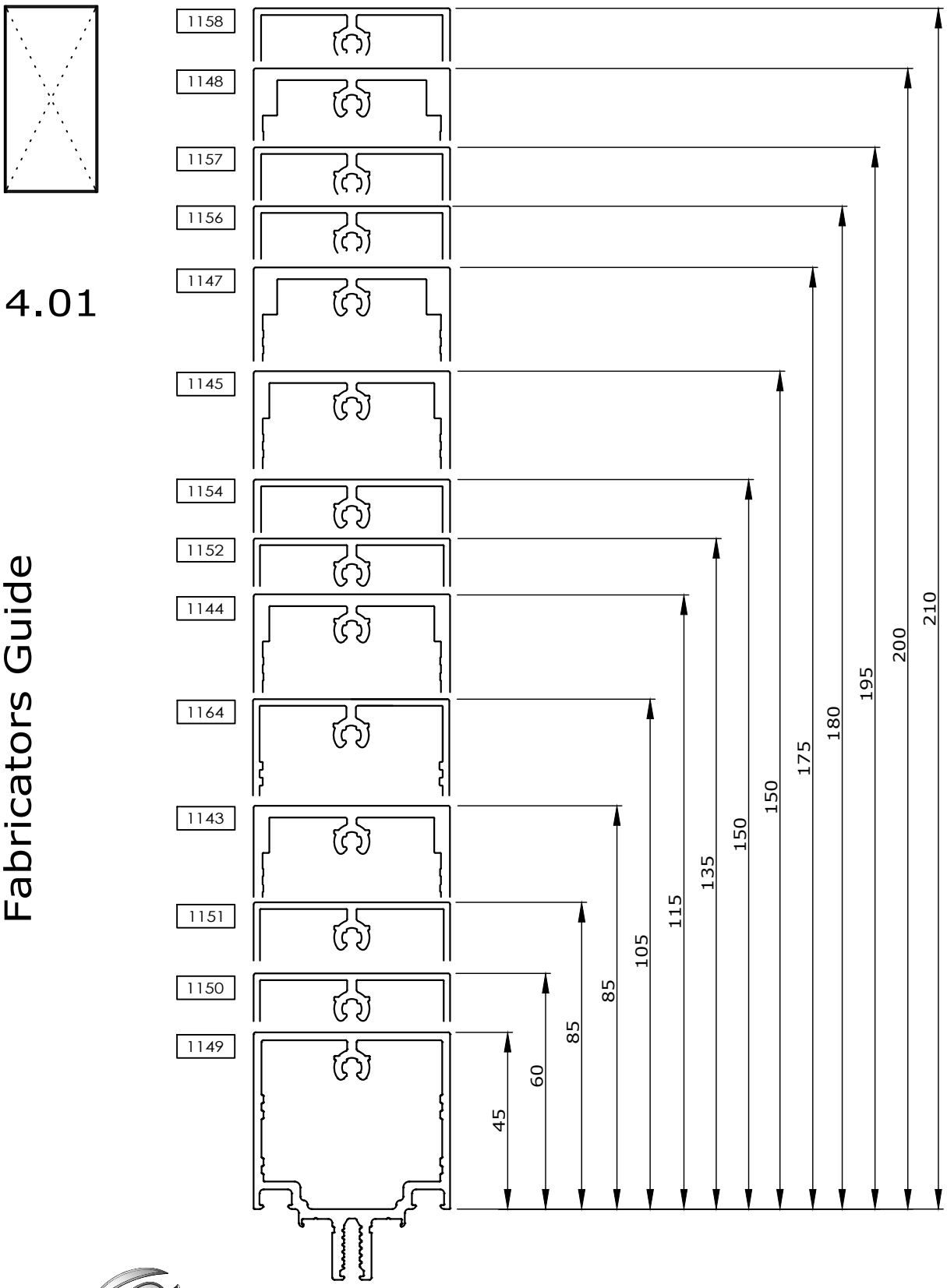
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Transoms



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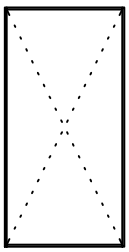
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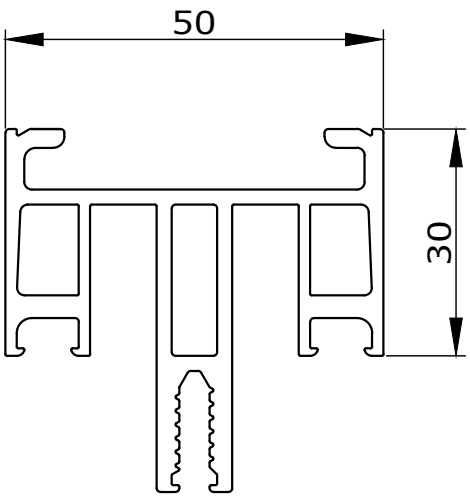
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Direct fix to steel

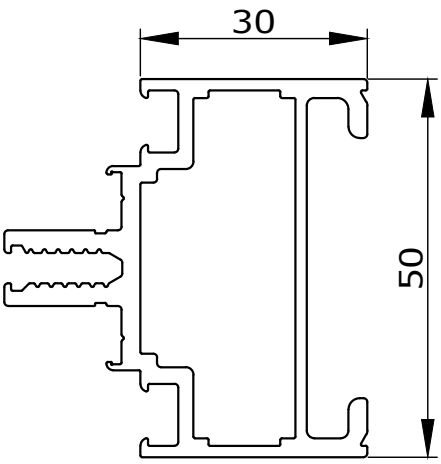
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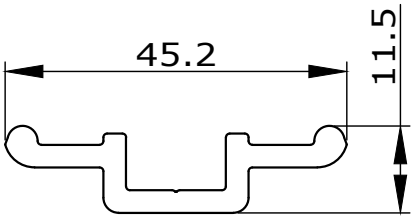
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1025



1125



1425

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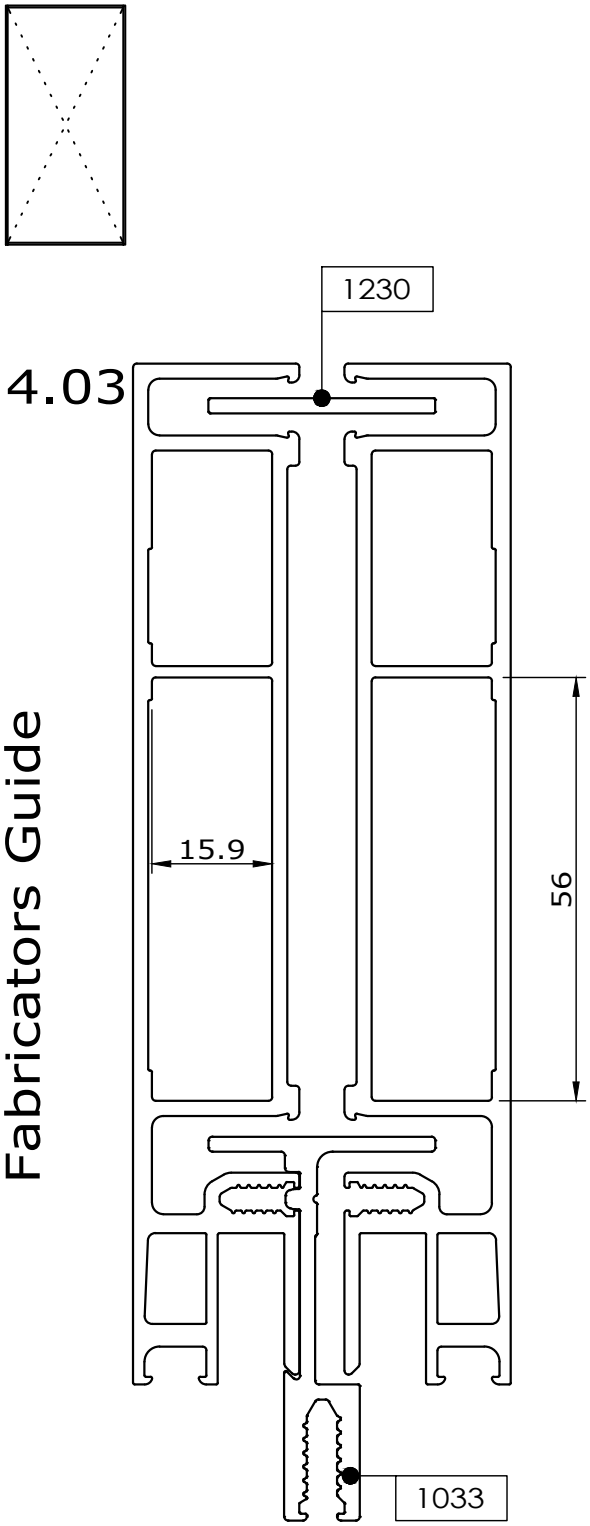
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Profile Sections 4

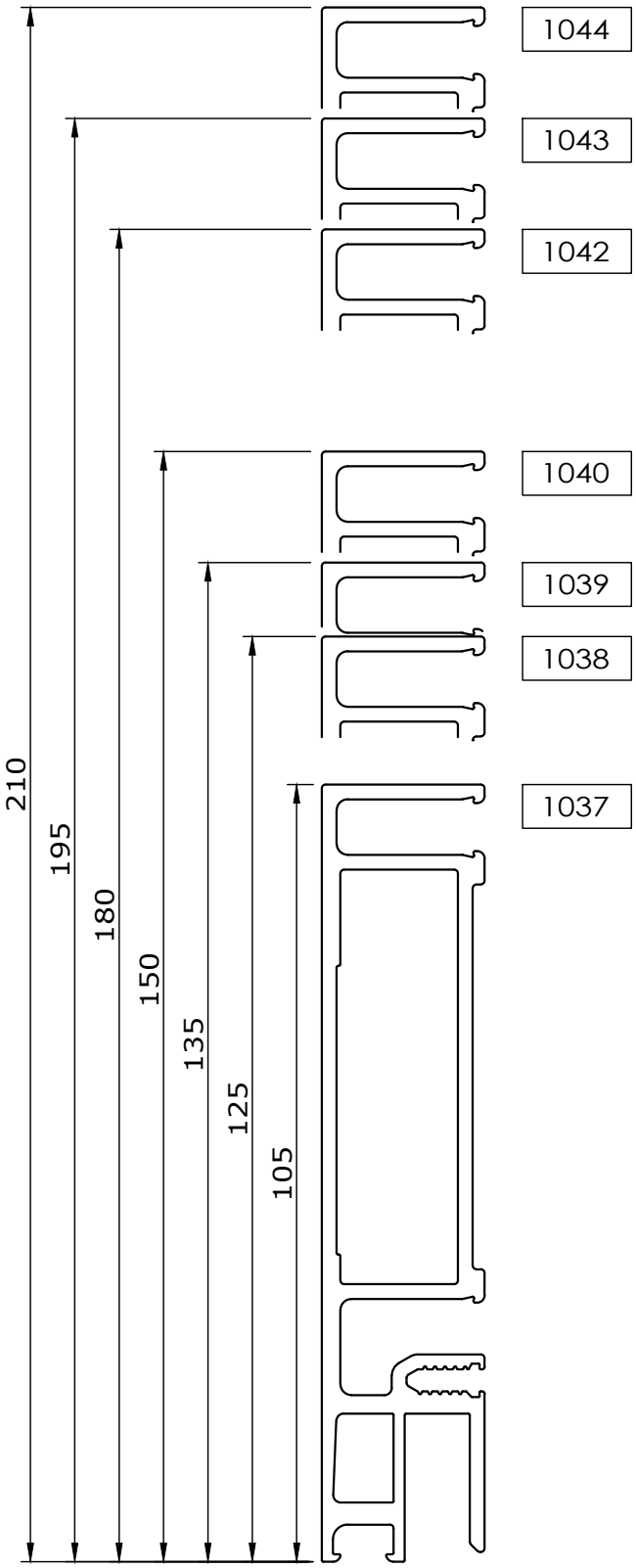
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Split mullions



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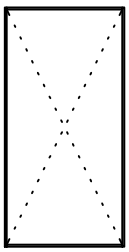
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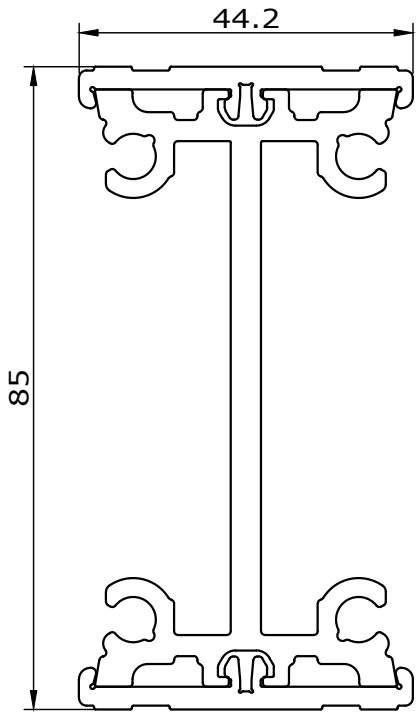
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Mullion sleeves

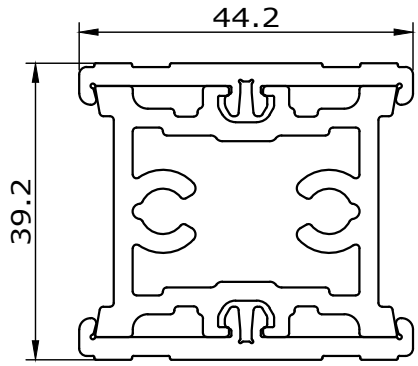


4.04



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1281



1366

1281

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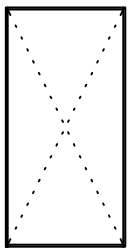
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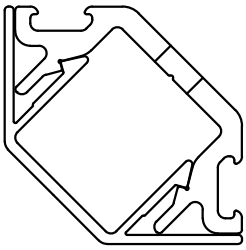
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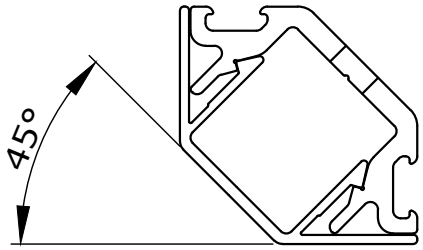
Profile Sections 4

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90° Corners



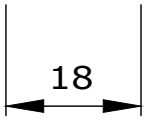


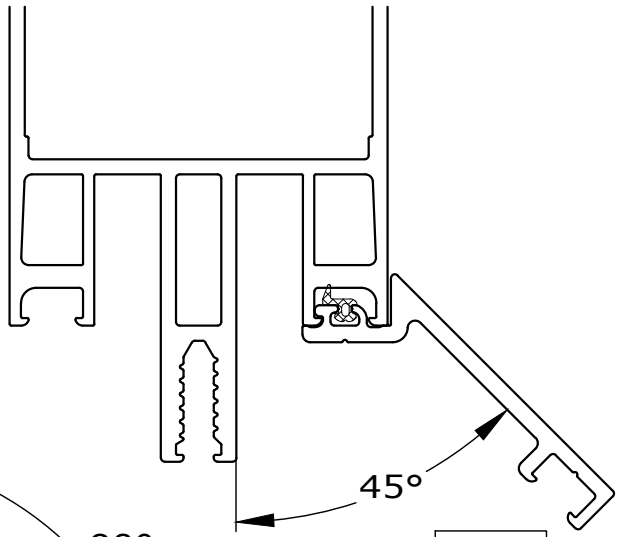


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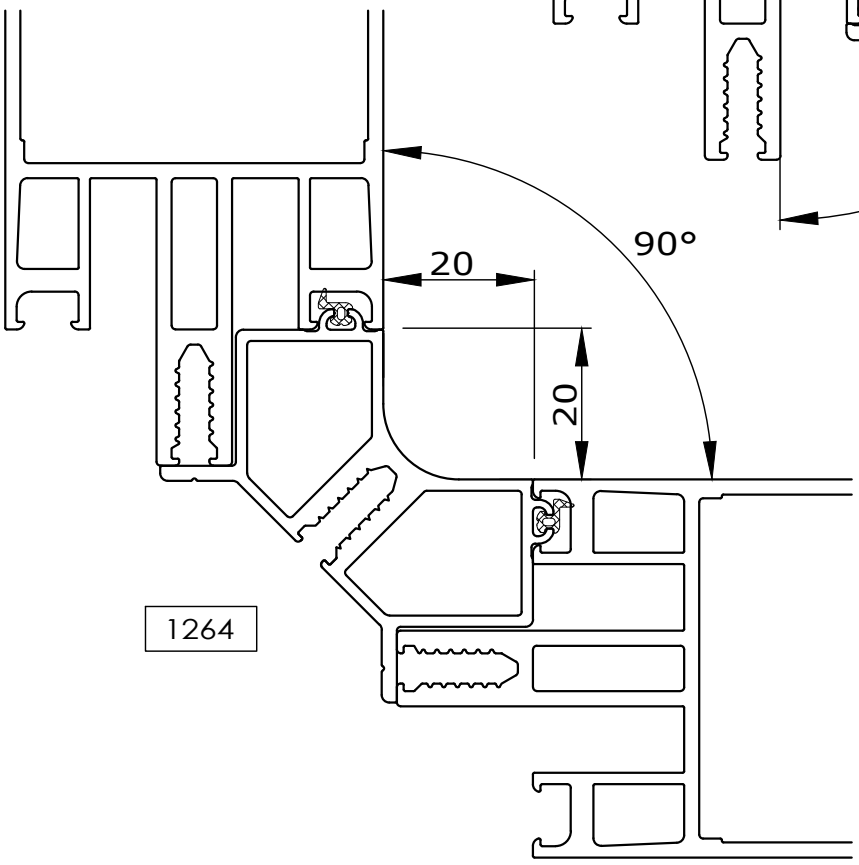
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1210





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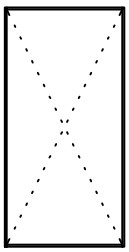
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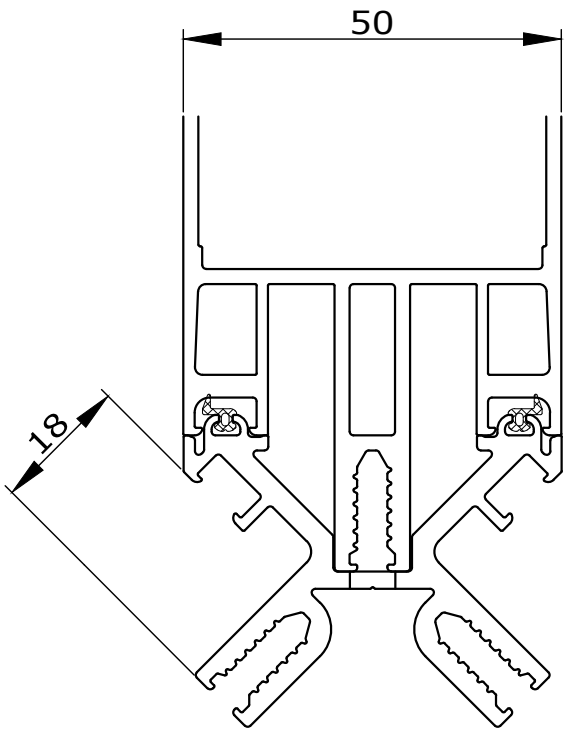
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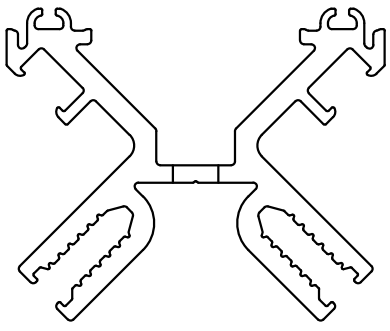
Corner mullion adaptor

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4.06





1265

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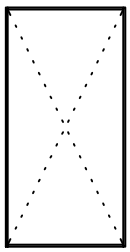
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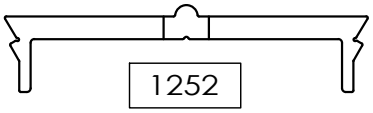
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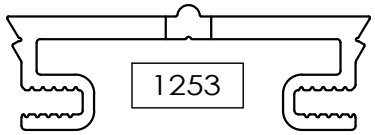
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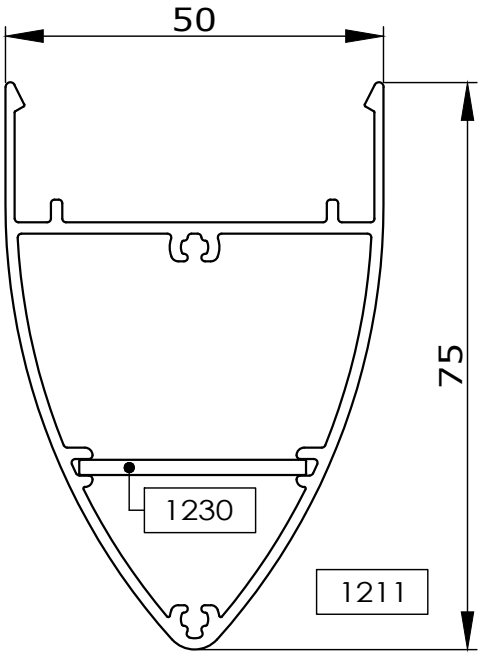
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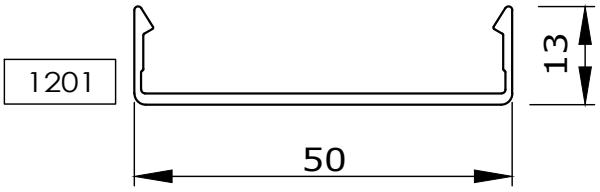
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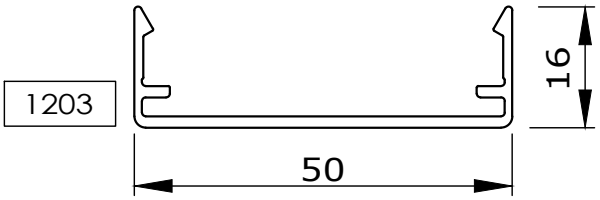


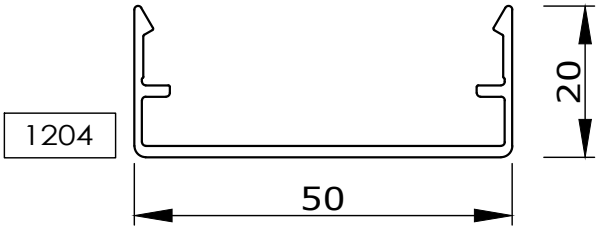


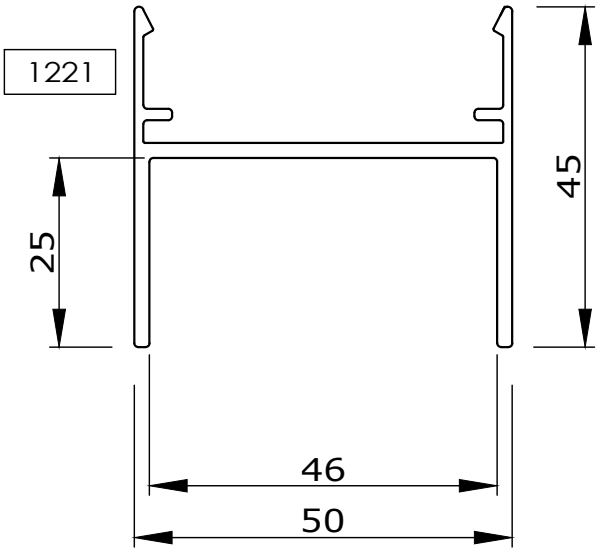


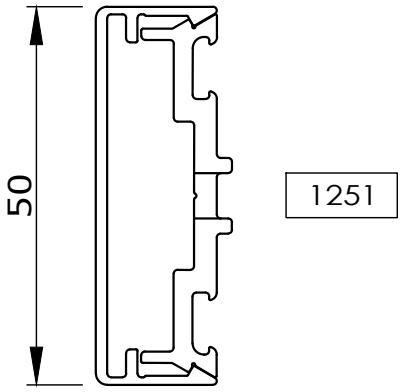
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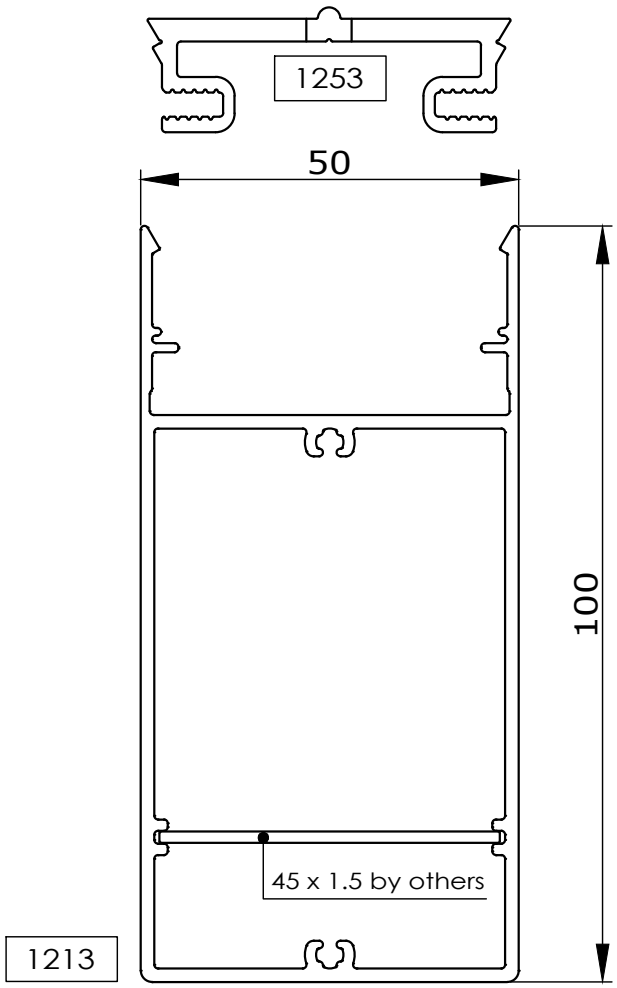
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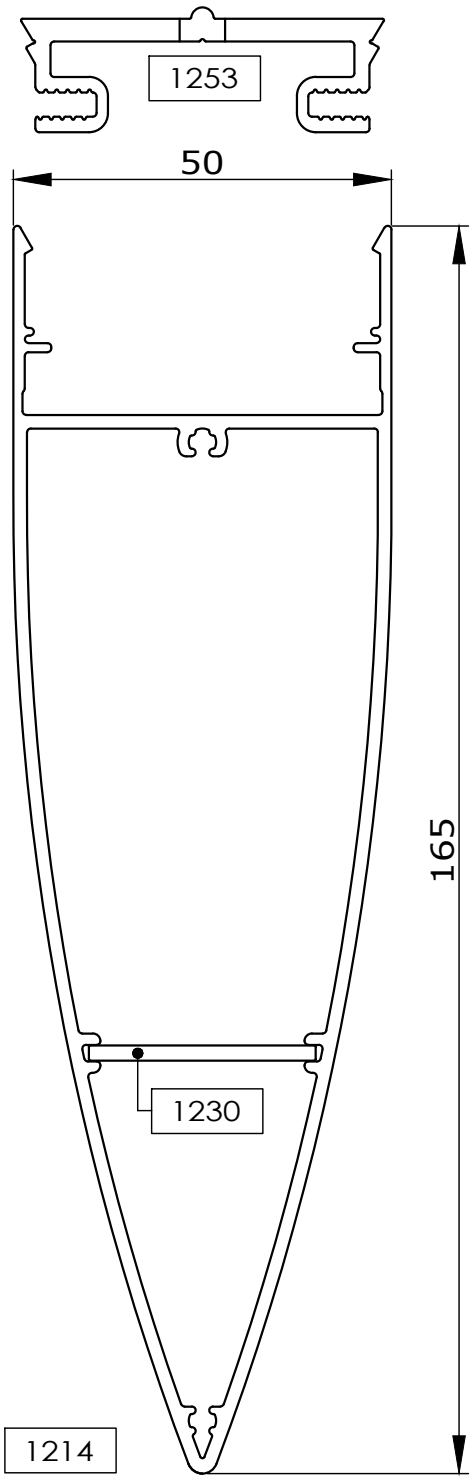
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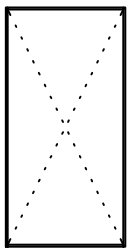
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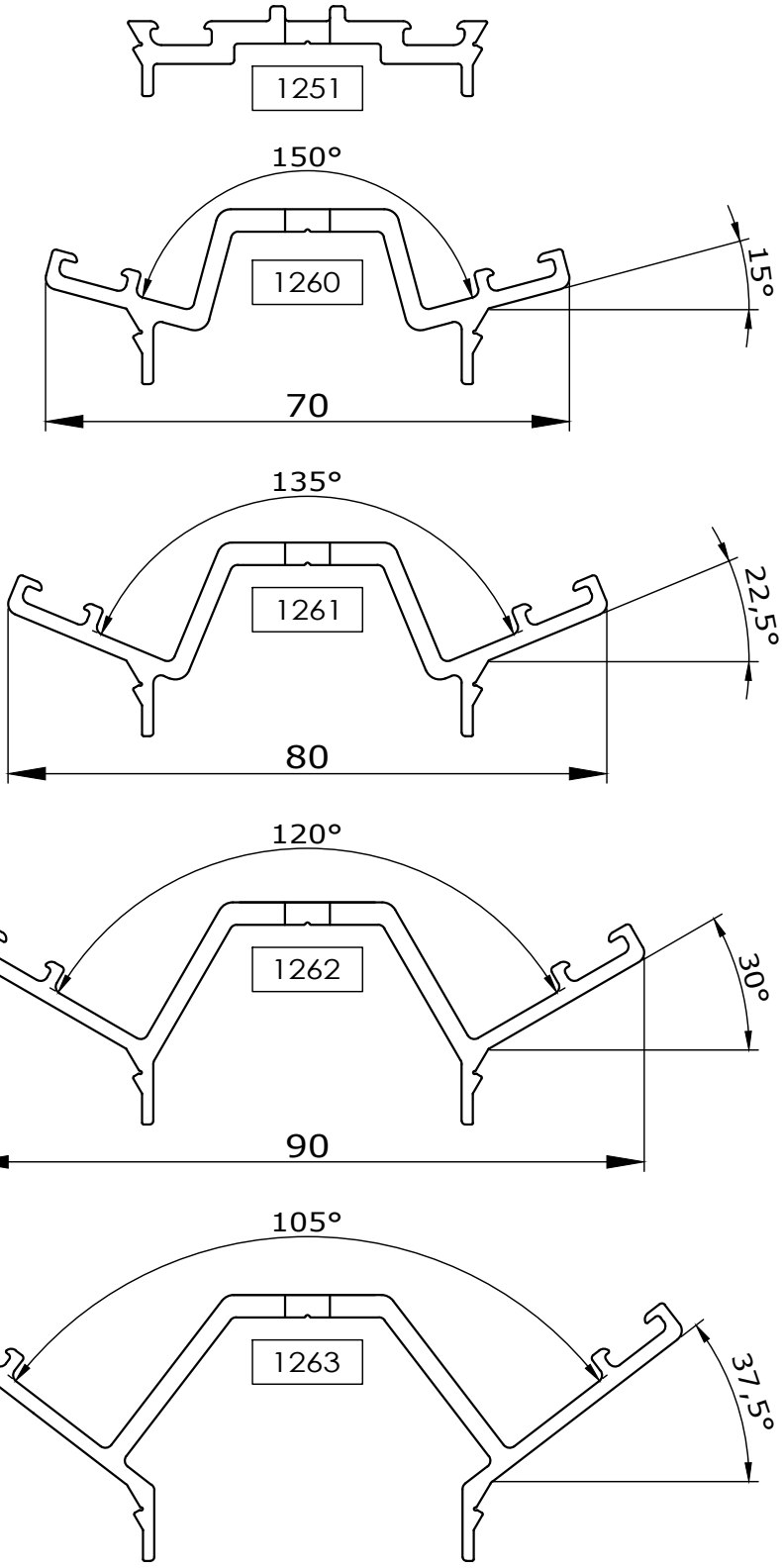
Profile Sections 4

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Facetted pessure plates



4.09



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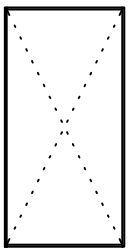
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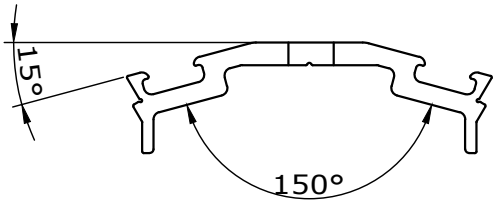
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Facetted pressure plates

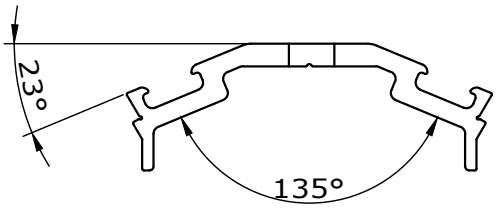
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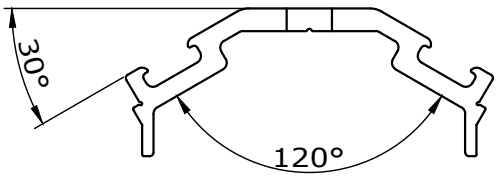


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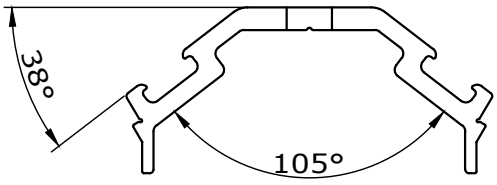
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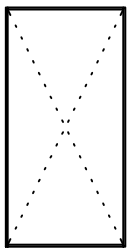
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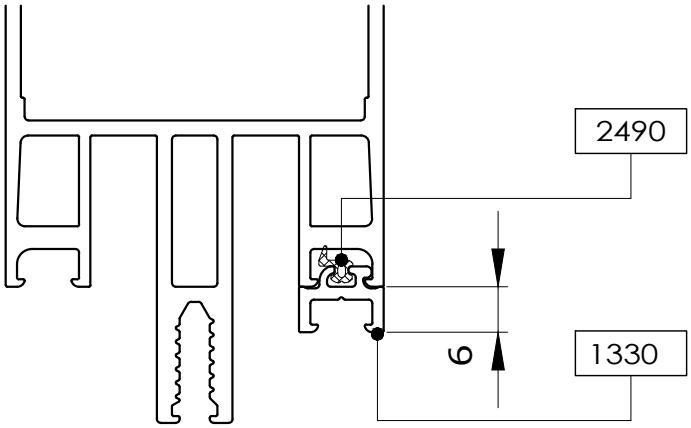
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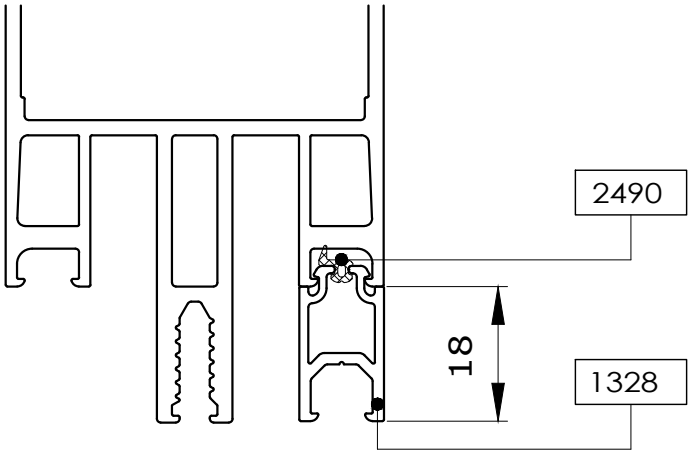
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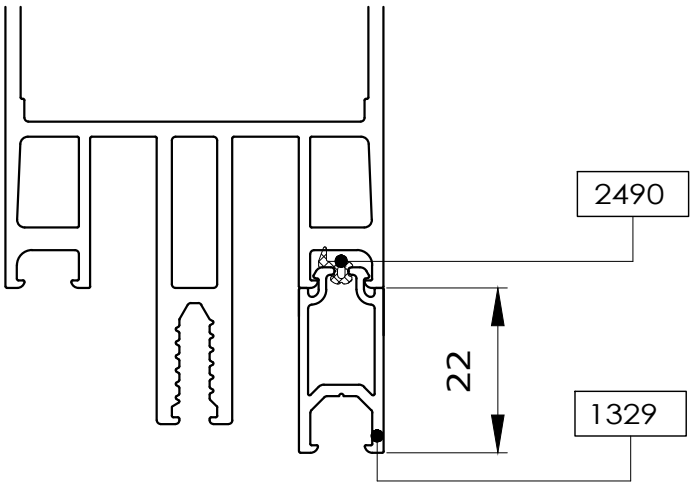
Glazing adaptors



4.11







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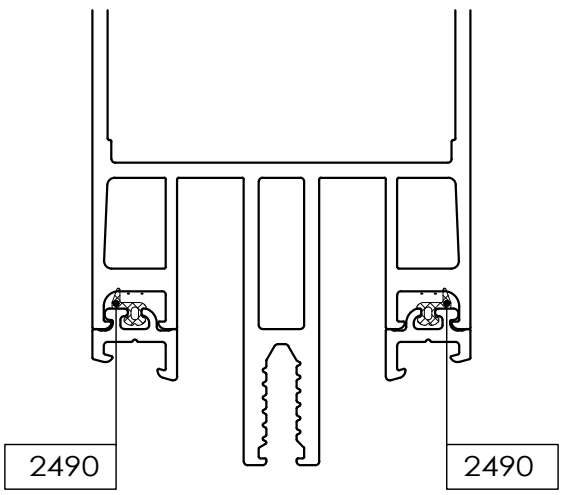
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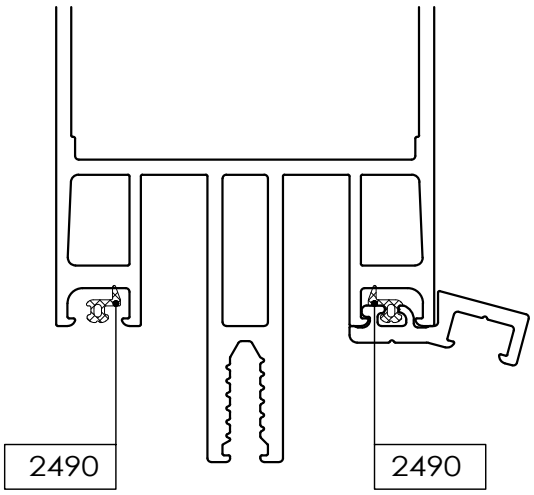
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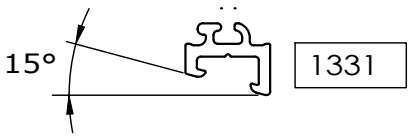
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Facetted glazing adaptors



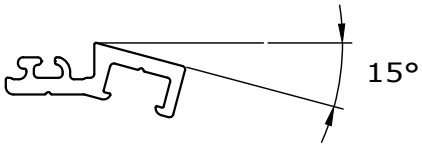


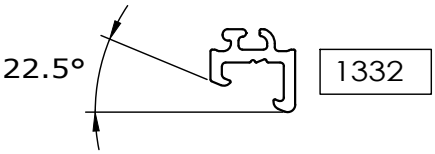
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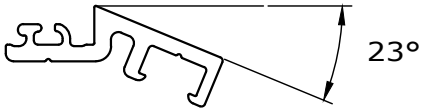
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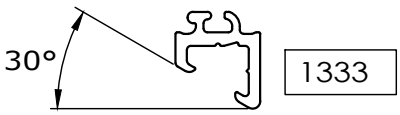




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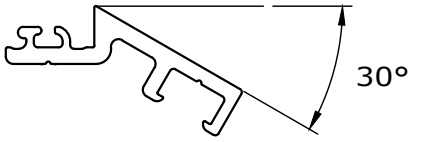
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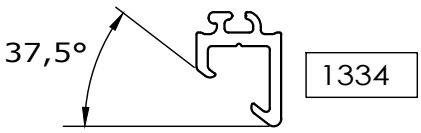




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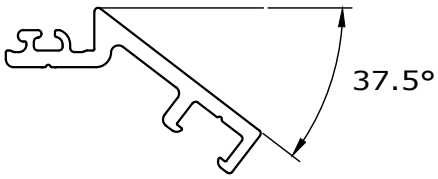
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1339



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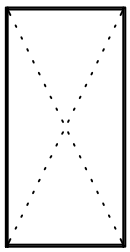
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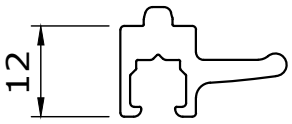
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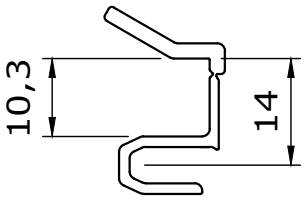
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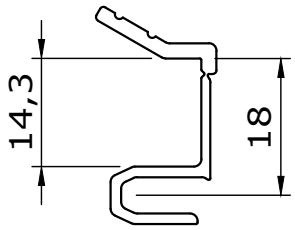
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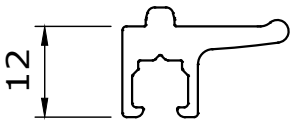
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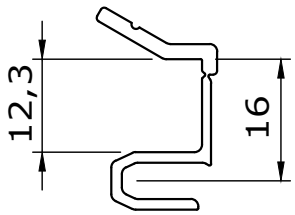
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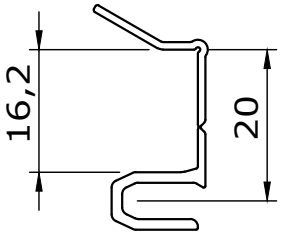
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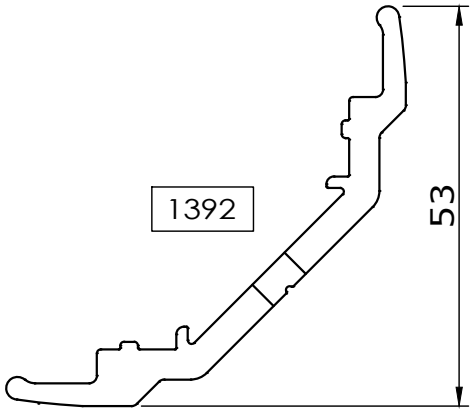
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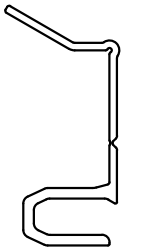
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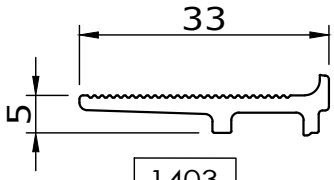
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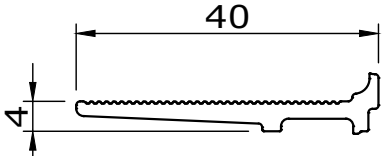
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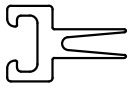
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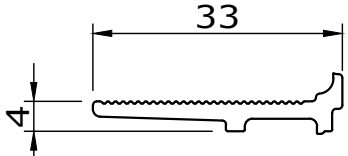
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1415



1390



1412

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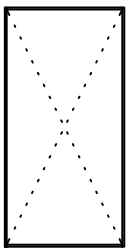
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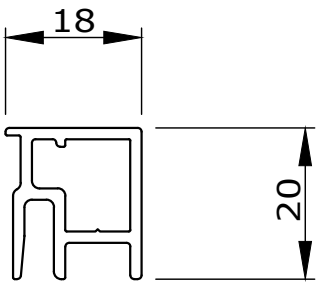
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Single glazing & panel frames

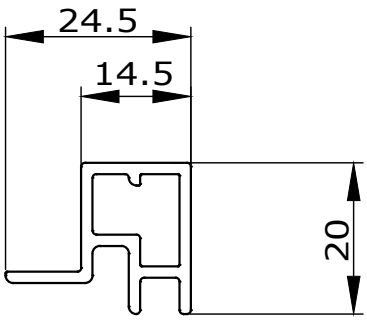
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4.14



1335



1346

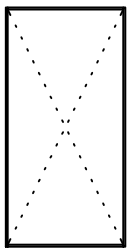
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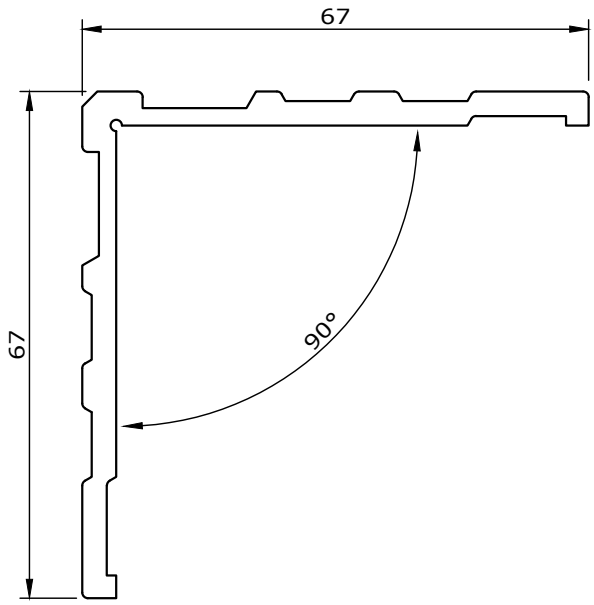
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Crimping cleats

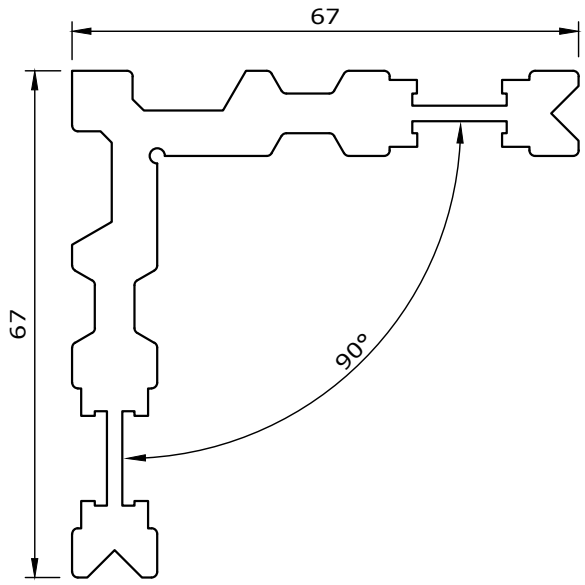


4.15

1431 - Corner cleat - 4.5 mm



1435 - Corner cleat - 11.8 mm



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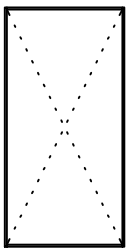
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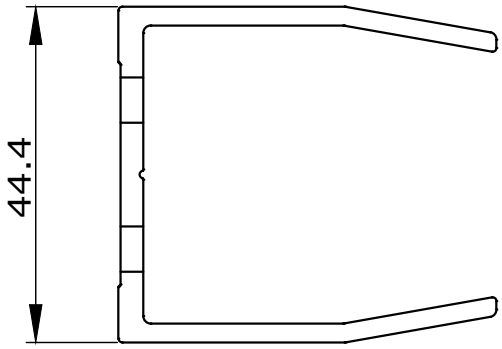
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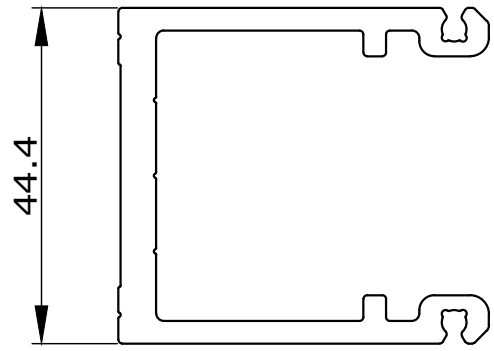
Cleats



4.16



1300



1305

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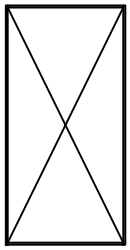
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Future Additions



4.17 - 4.99

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FUTURE ADDITION

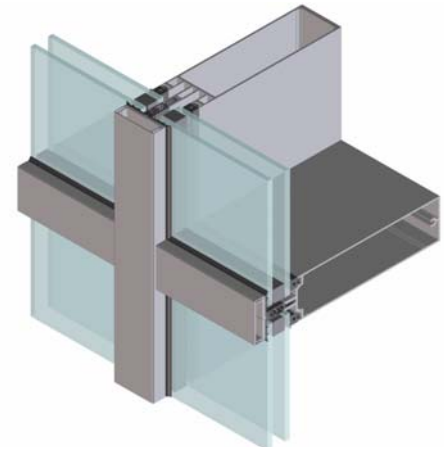
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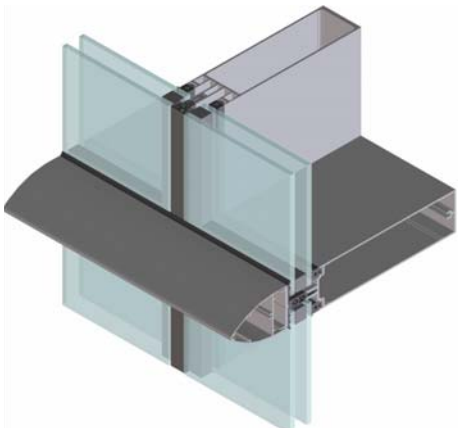
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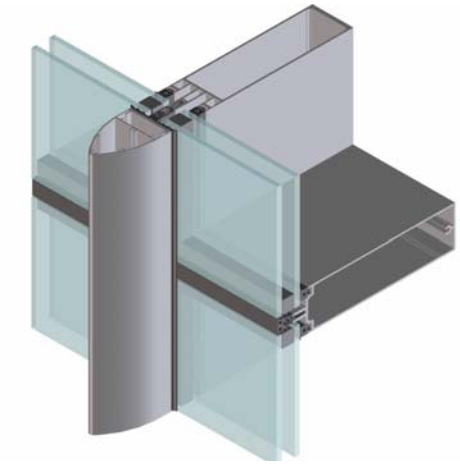
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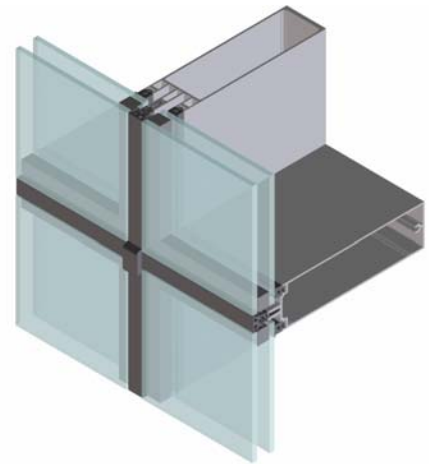
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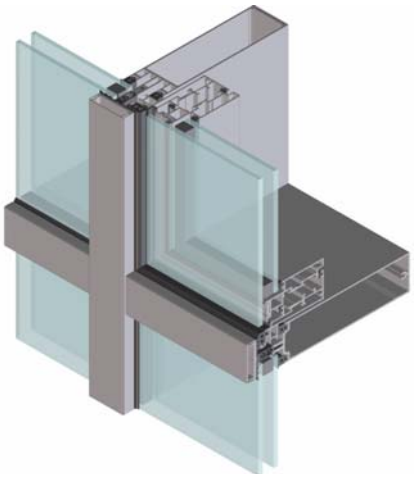
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2 sided SGV



4 sided SG



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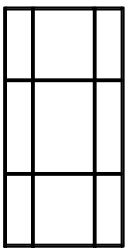
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comar
ARCHITECTURAL ALUMINIUM SYSTEMS

Integration 5

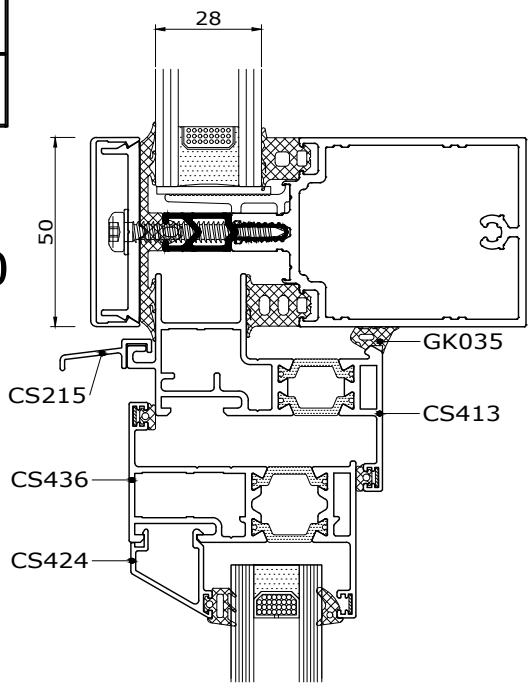
Comar 6EFT



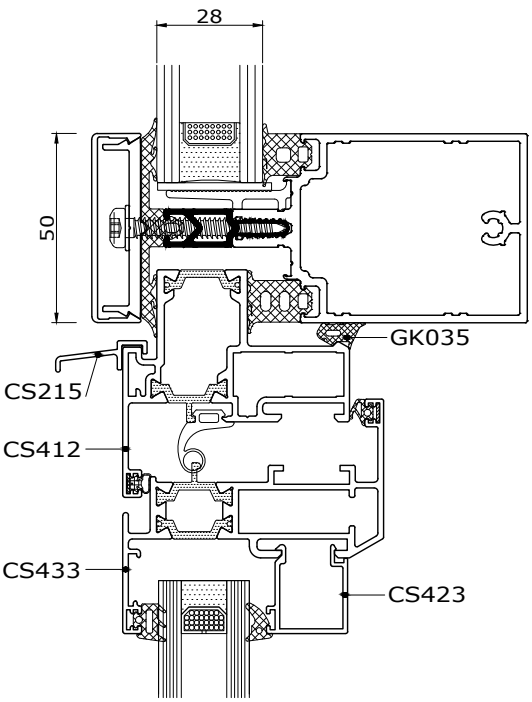
Comar 5Pi window system inserted into EFT

5.00

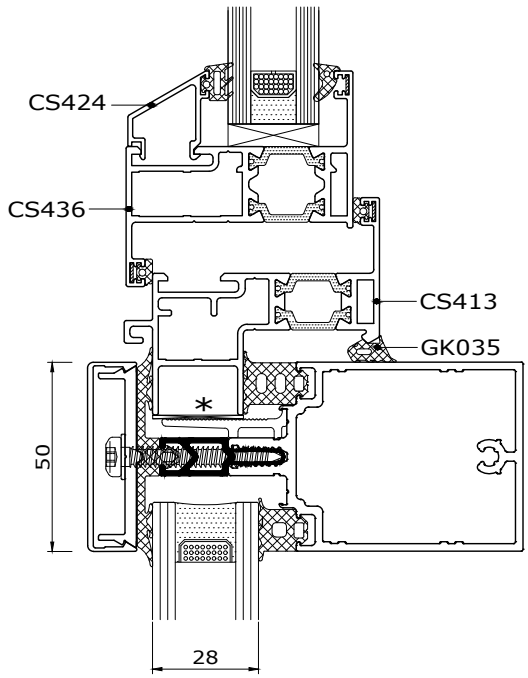
Fabricators Guide

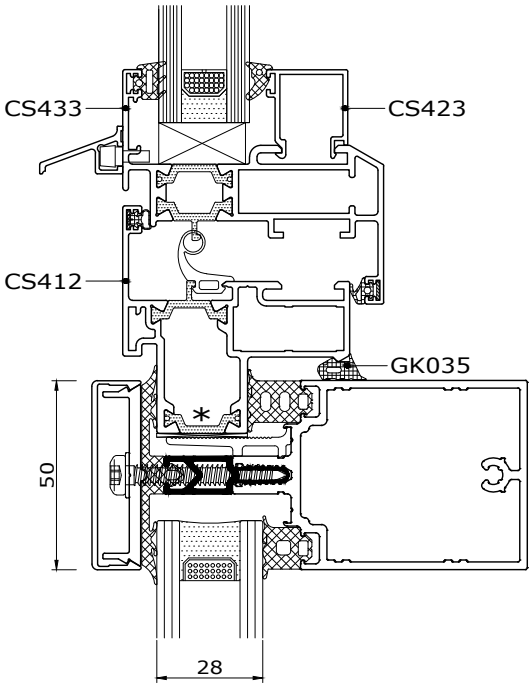


OPEN OUT CASEMENT VENT,
TOP / SIDE PROJECT / HUNG.
5Pi 60mm WINDOW SYSTEM
EXTERNALLY BEADED



TILT TURN / BOTTOM HUNG, OPEN IN.
5Pi 60mm WINDOW SYSTEM
INTERNALLY BEADED





* 1mm packer with
glazing shelf 2305 & 2306.

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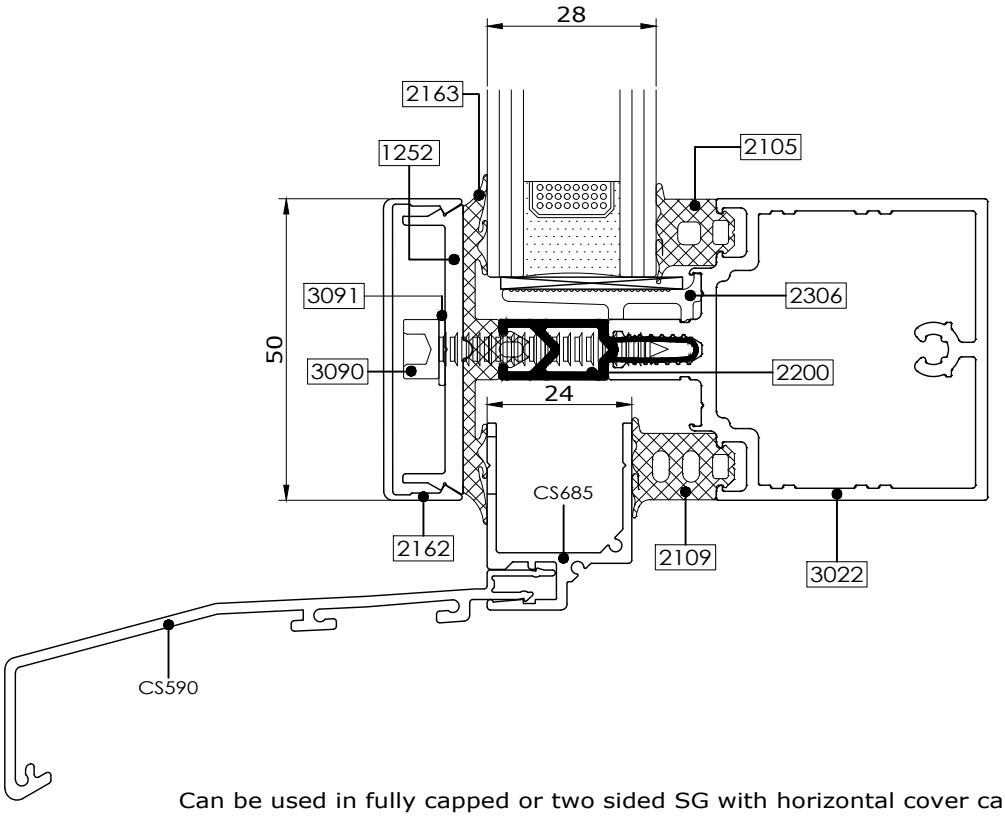
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5 Integration

Comar 6EFT

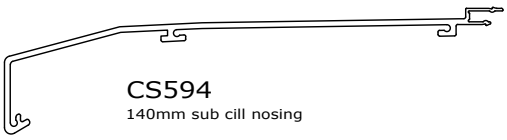
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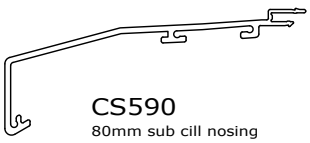
Can be used in fully capped or two sided SG with horizontal cover caps



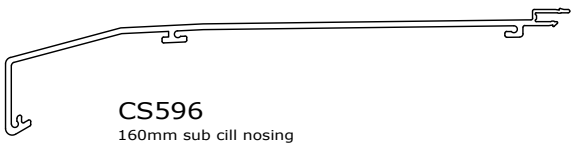
CS588
50mm sub cill nosing



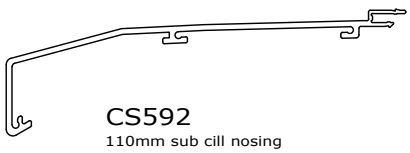
CS594
140mm sub cill nosing



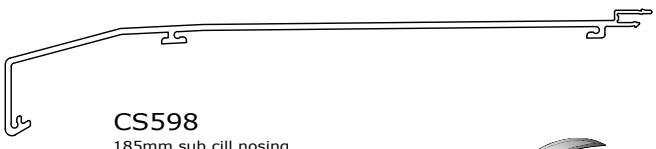
CS590
80mm sub cill nosing



CS596
160mm sub cill nosing



CS592
110mm sub cill nosing



CS598
185mm sub cill nosing

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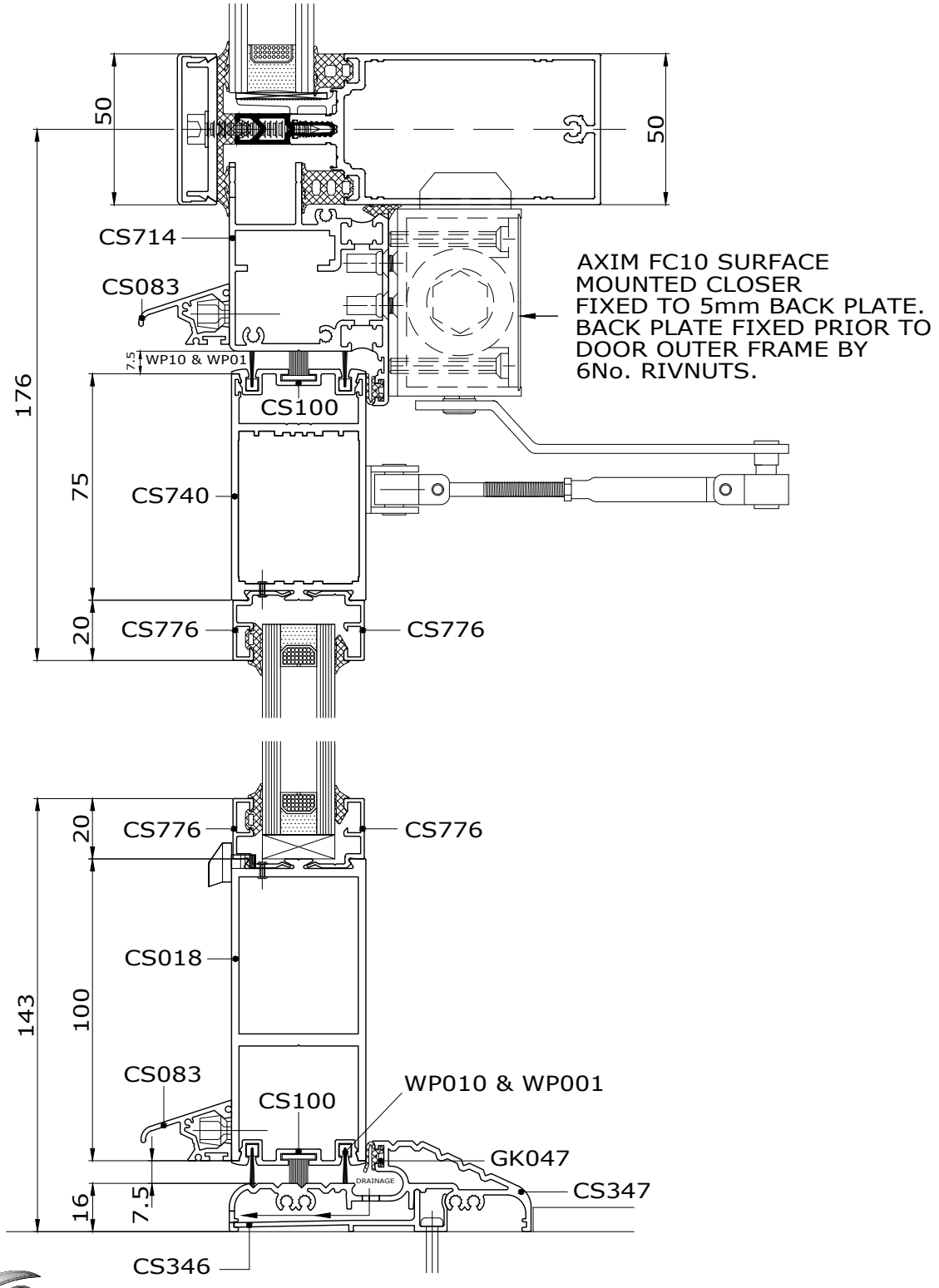
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Integration 5

Comar 6EFT

Comar 7 tempest door into EFT

5.02



SECTION A-A

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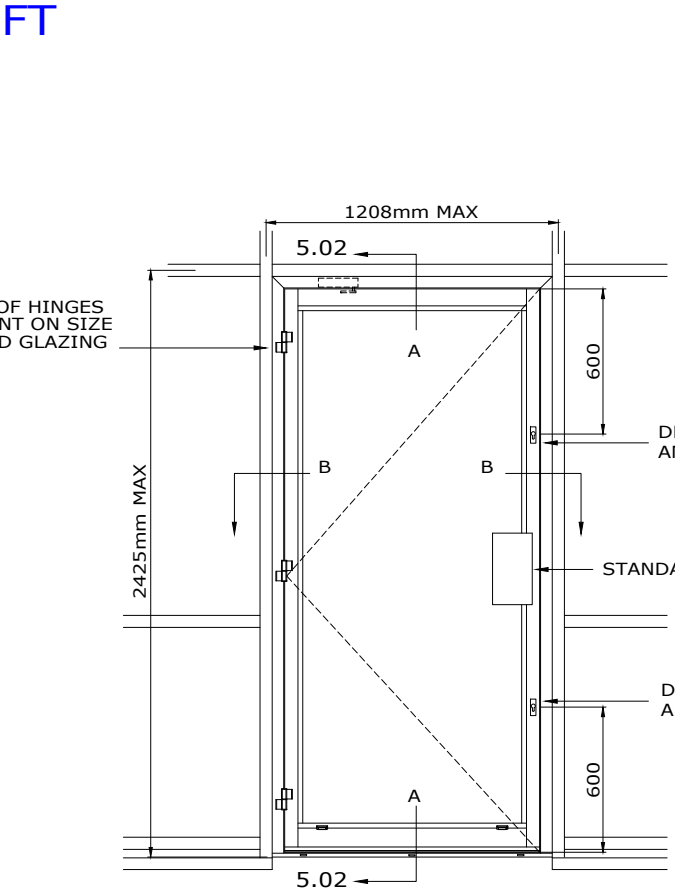
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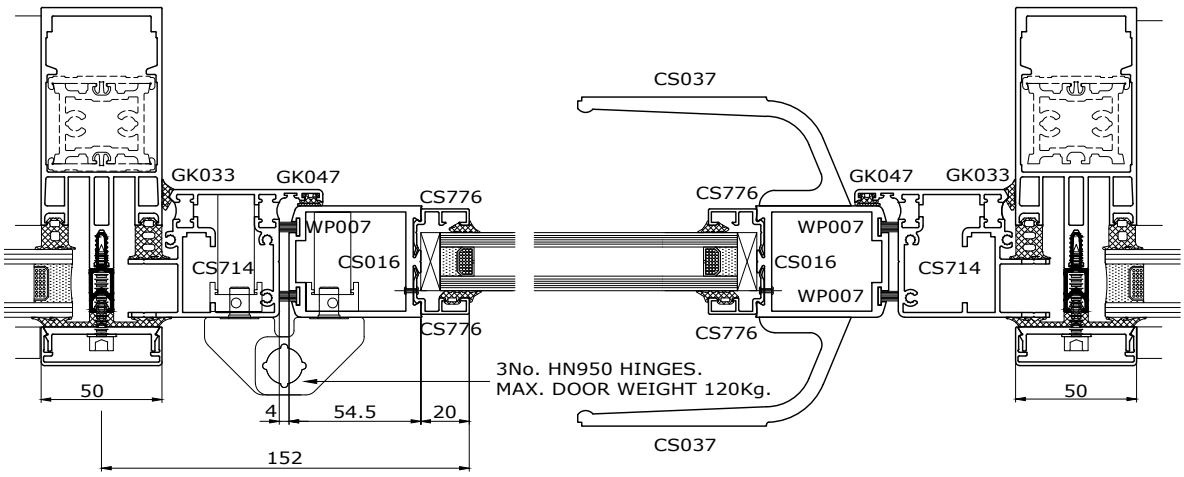
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Comar 7 tempest door into EFT



EXTERNAL ELEVATION (COMAR 7 REBATED DOOR)



SECTION B-B

5.03

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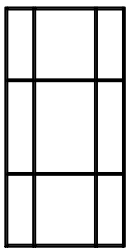
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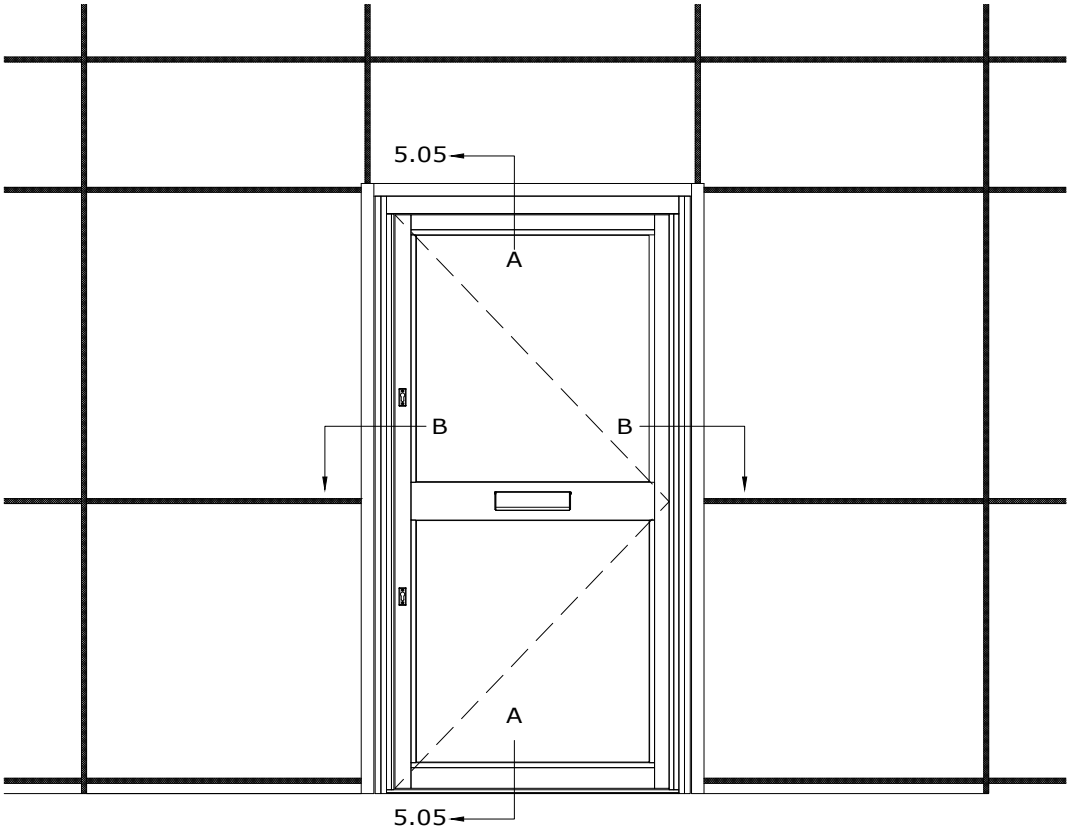
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ARCHITECTURAL ALUMINIUM SYSTEMS

Comar 6EFT

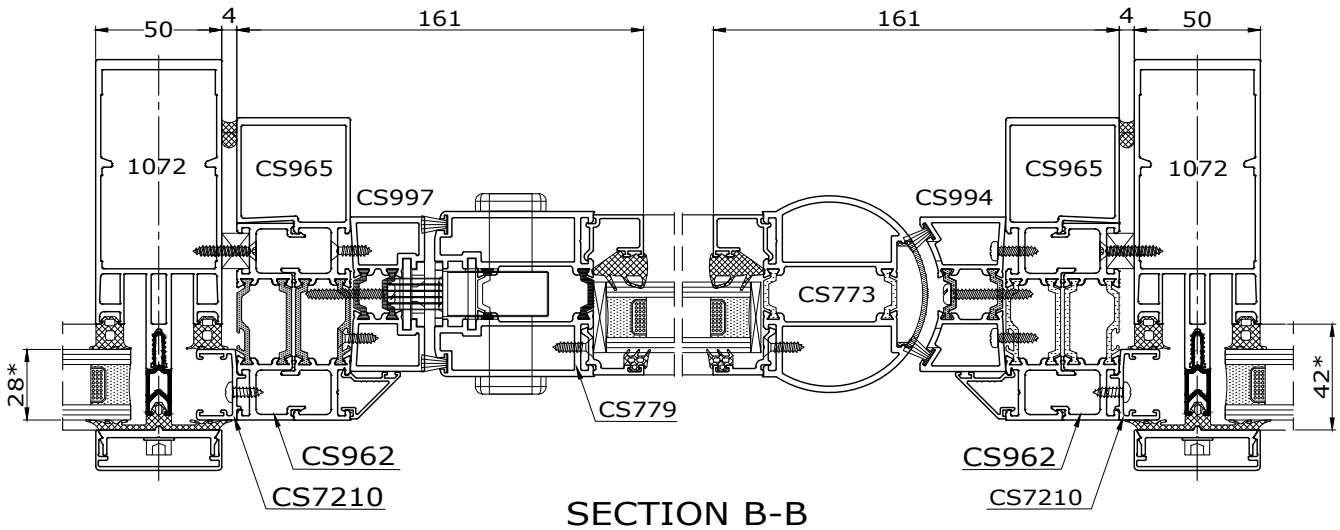
Comar 7 Pi CD Door
Comar 6 EFT (4 sided SG)



5.04



EXTERNAL ELEVATION (COMAR 7Pi COMMERCIAL DOOR)



SECTION B-B

* Refer to Glazing Chart for glazing options

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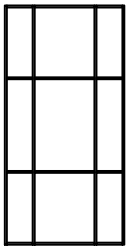
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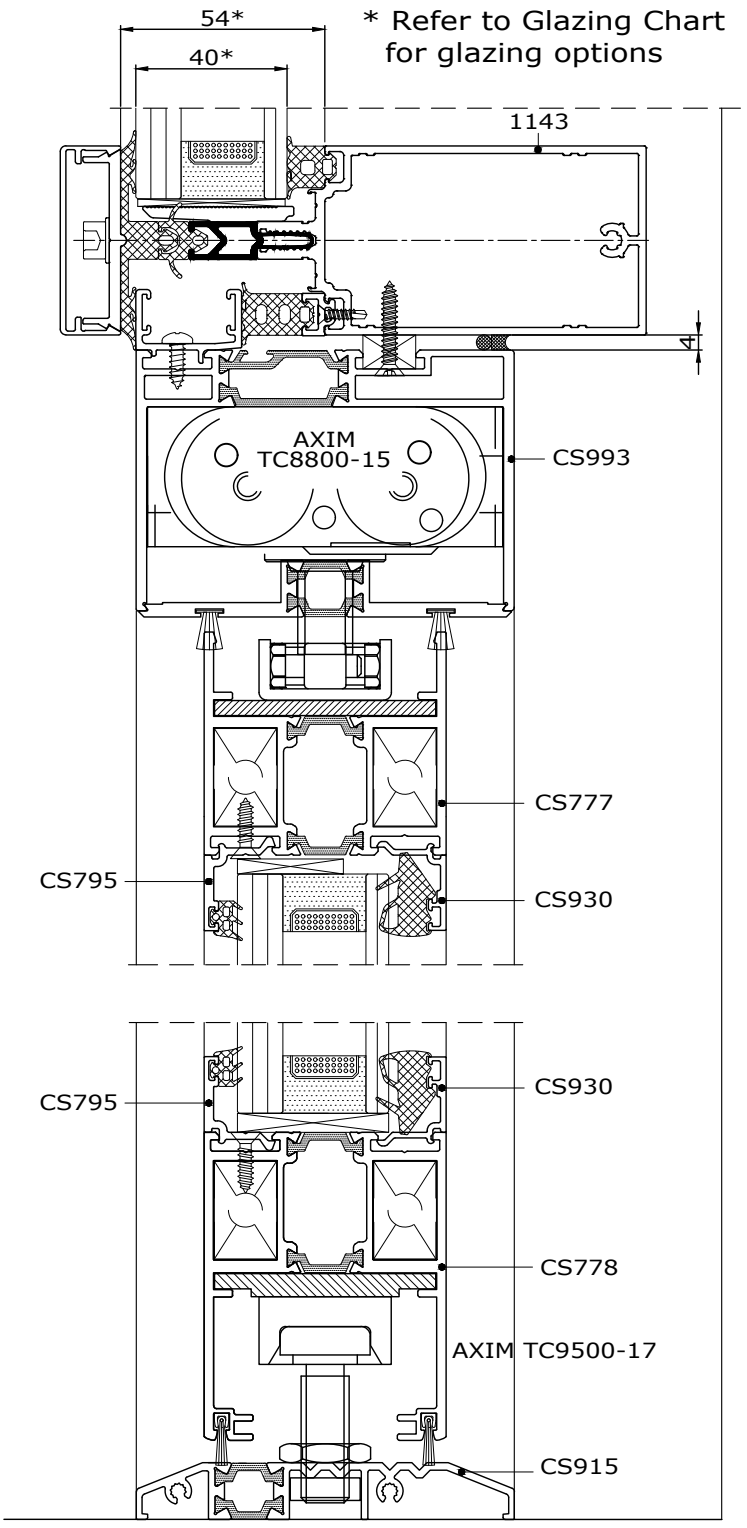
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Comar 7Pi CD Door
Comar 6 EFT



5.05



SECTION A-A

Fabricators Guide

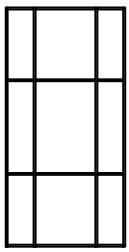
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Integration 5

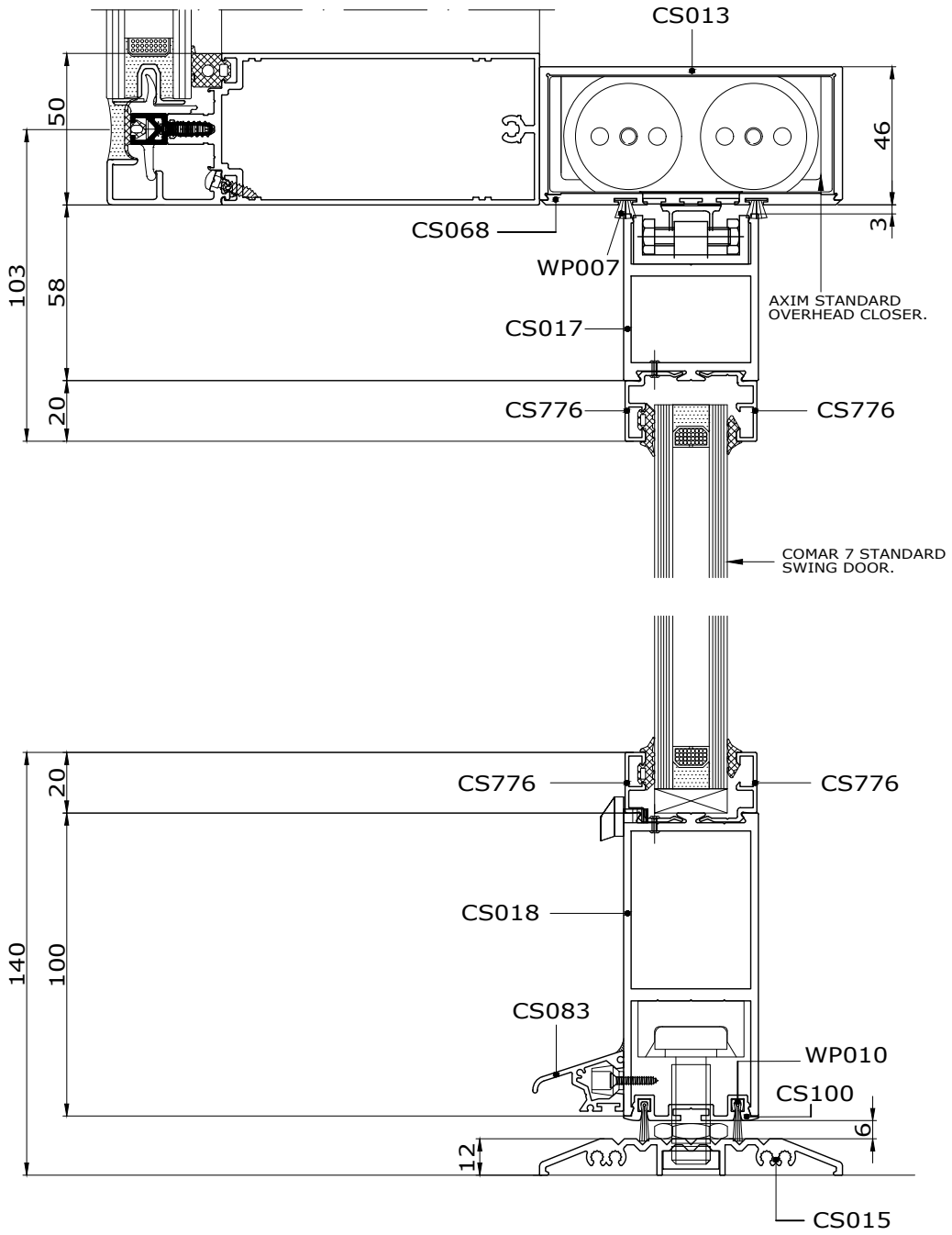
Comar 6EFT



Comar 7 door into Comar 6 EFT (4 sided SG)

5.06

Fabricators Guide



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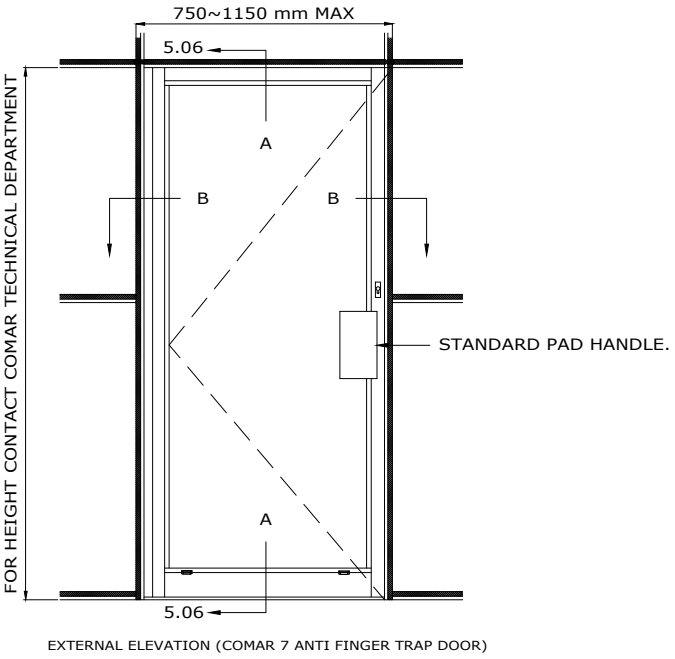
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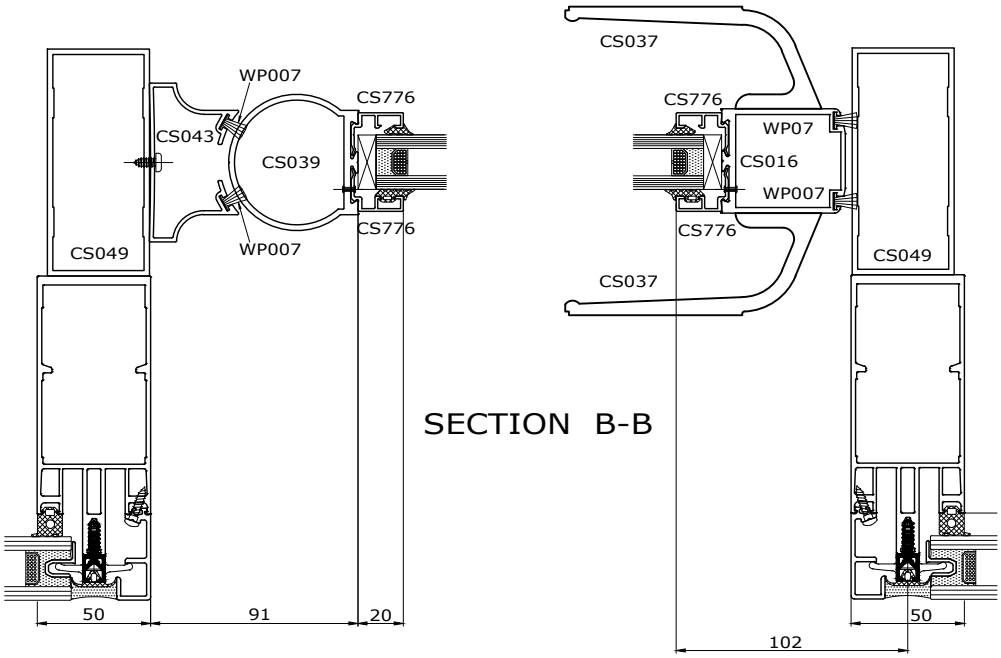
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Comar 7 door anti -finger
Comar 6 EFT (4 sided SG)

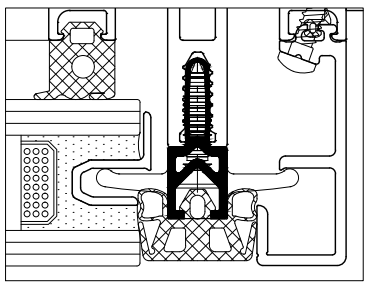


EXTERNAL ELEVATION (COMAR 7 ANTI FINGER TRAP DOOR)



SECTION B-B

Gasket seals are also available



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comar
ARCHITECTURAL ALUMINIUM SYSTEMS

5.07

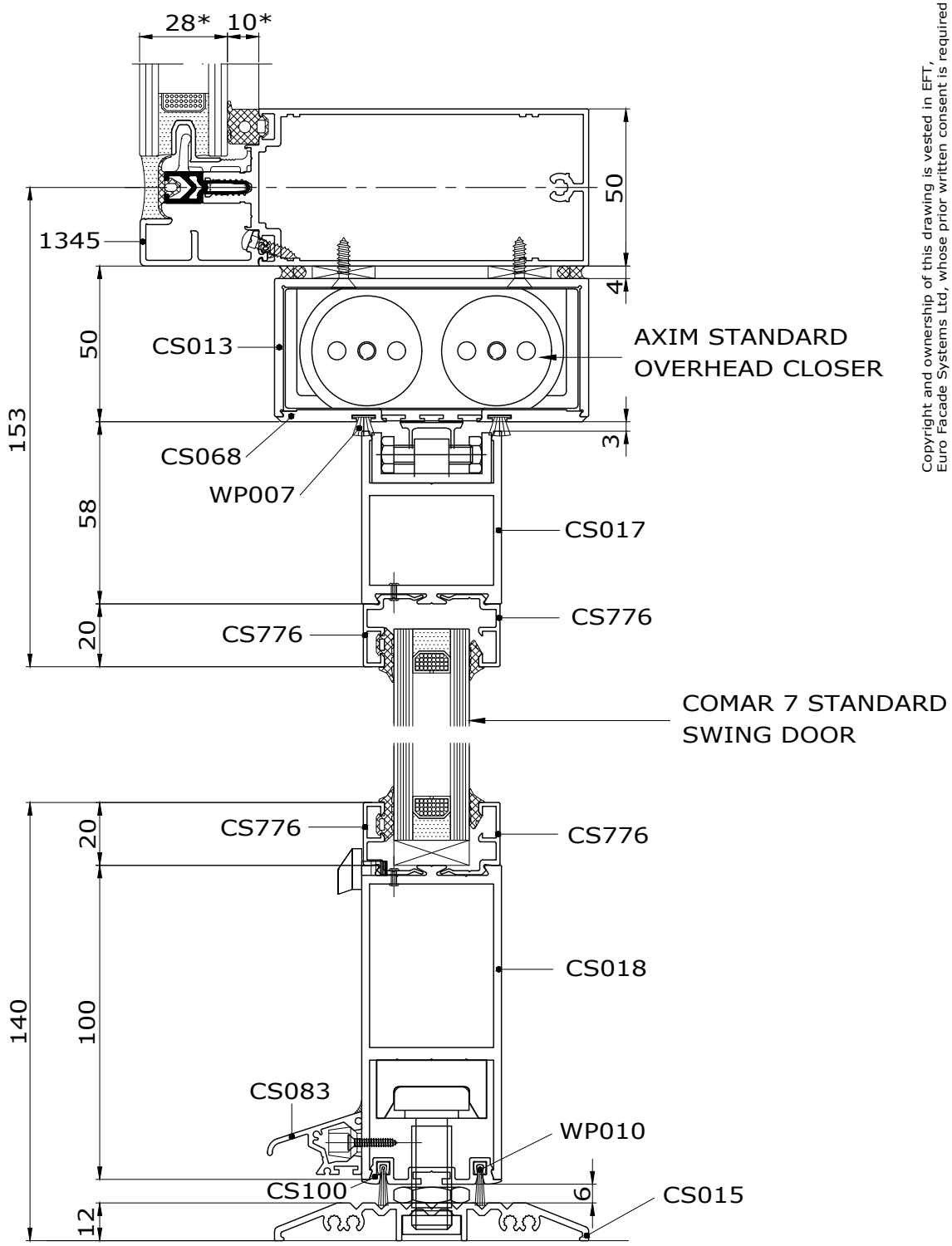
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Integration 5

Comar 6EFT

Comar 7 into Comar 6 EFT (4 sided SG)

5.08



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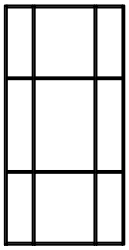
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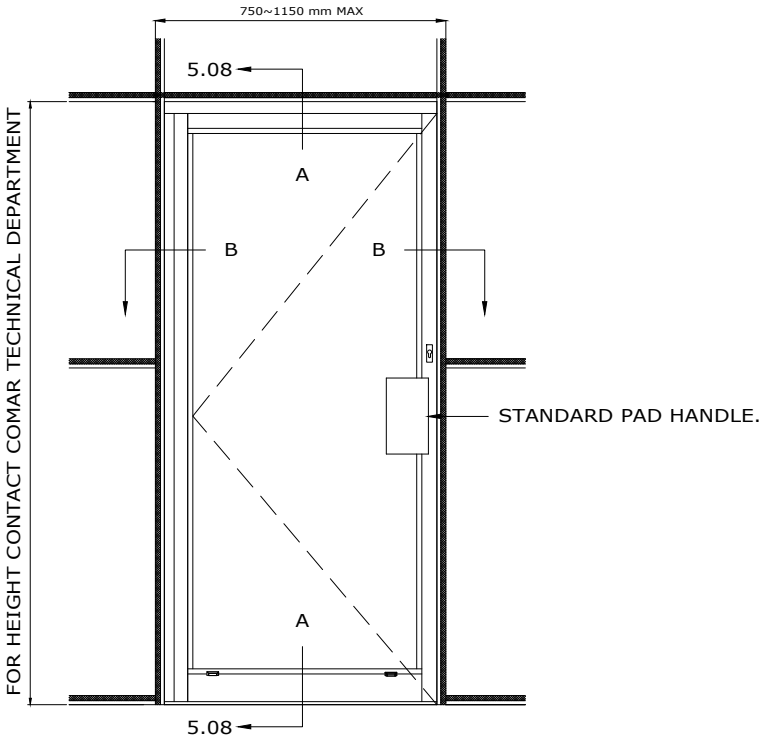
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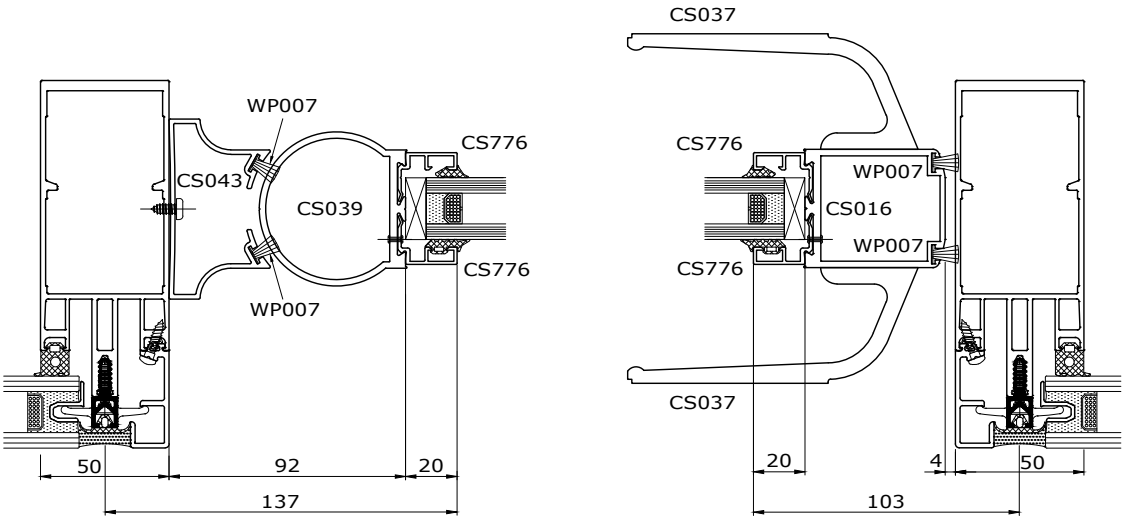
Comar 7 door into Comar 6 EFT (4 sided SG)



5.09

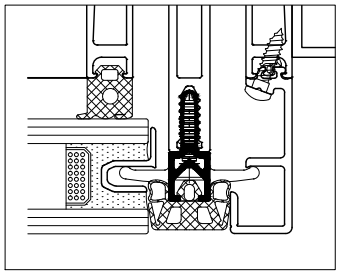


EXTERNAL ELEVATION (COMAR 7 ANTI FINGER TRAP DOOR)



SECTION B-B

Gasket seals are also available



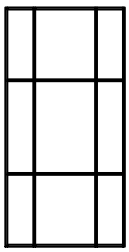
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Integration 5

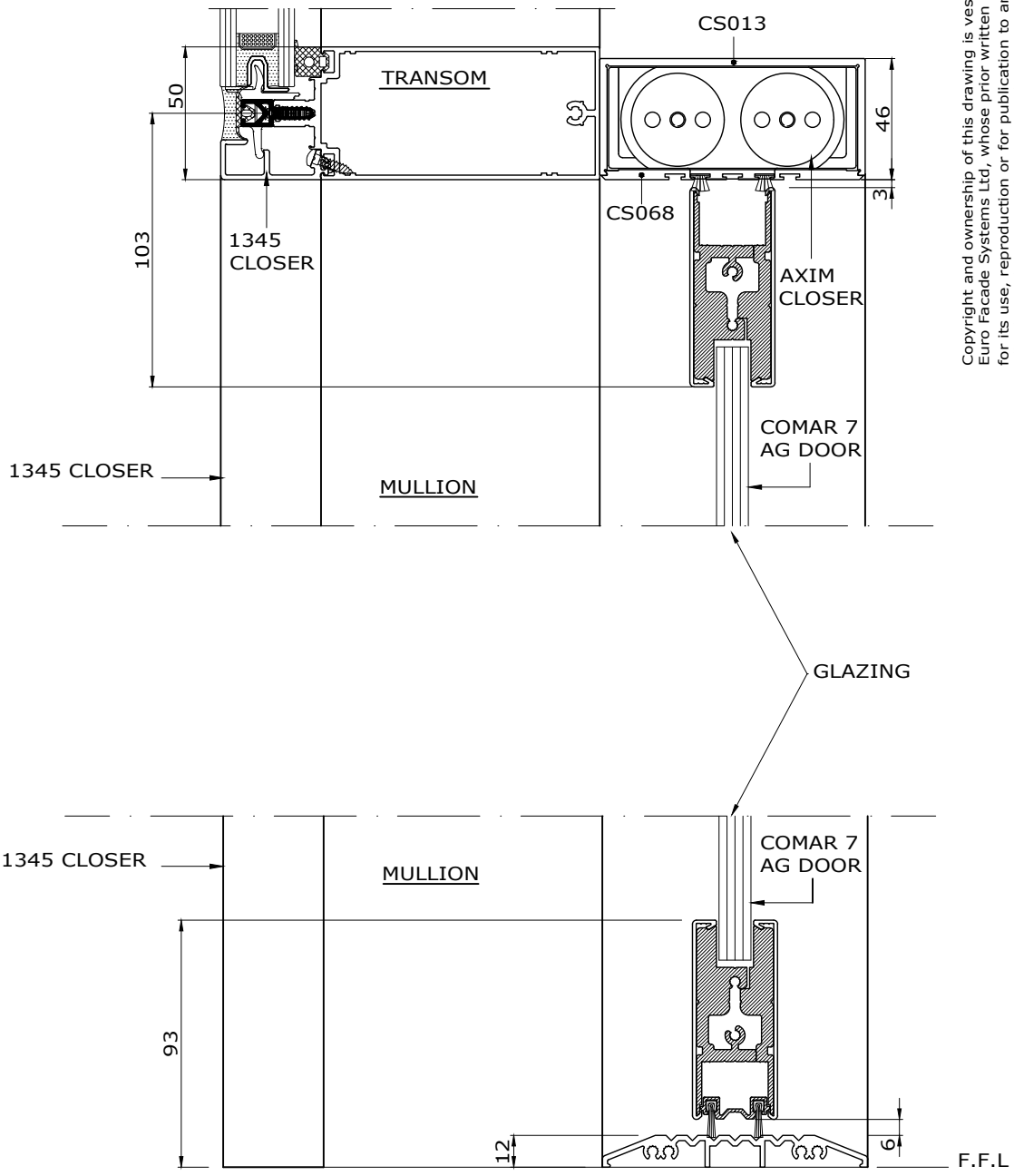
Comar 6EFT



Comar 7 AG door into Comar 6 EFT (4 sided SG)

5.10

Fabricators Guide



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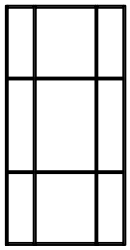
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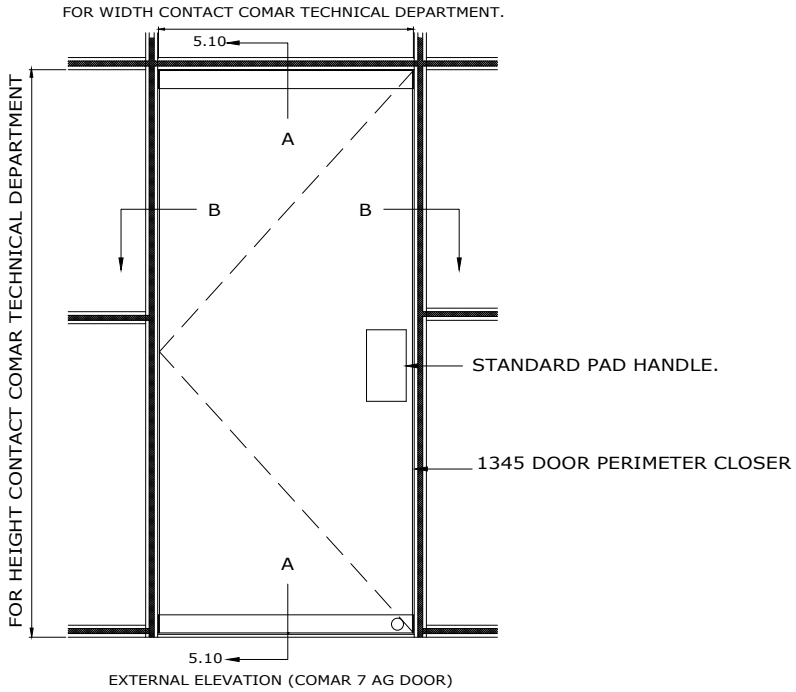
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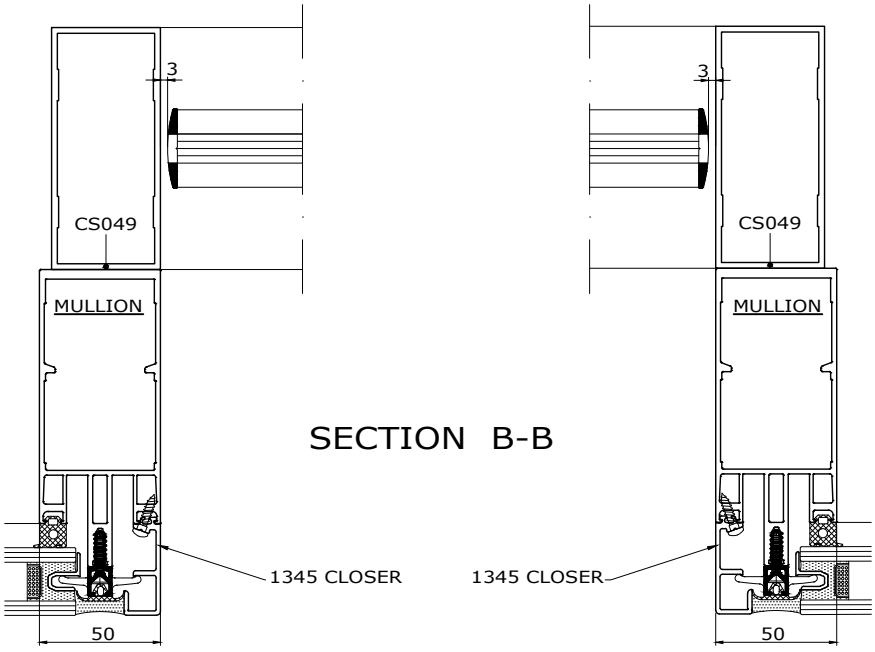
Comar 7 AG door into Comar 6 EFT (4 sided SG)



5.11

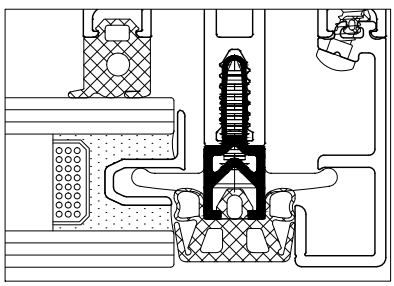


EXTERNAL ELEVATION (COMAR 7 AG DOOR)



SECTION B-B

Gasket seals are also available



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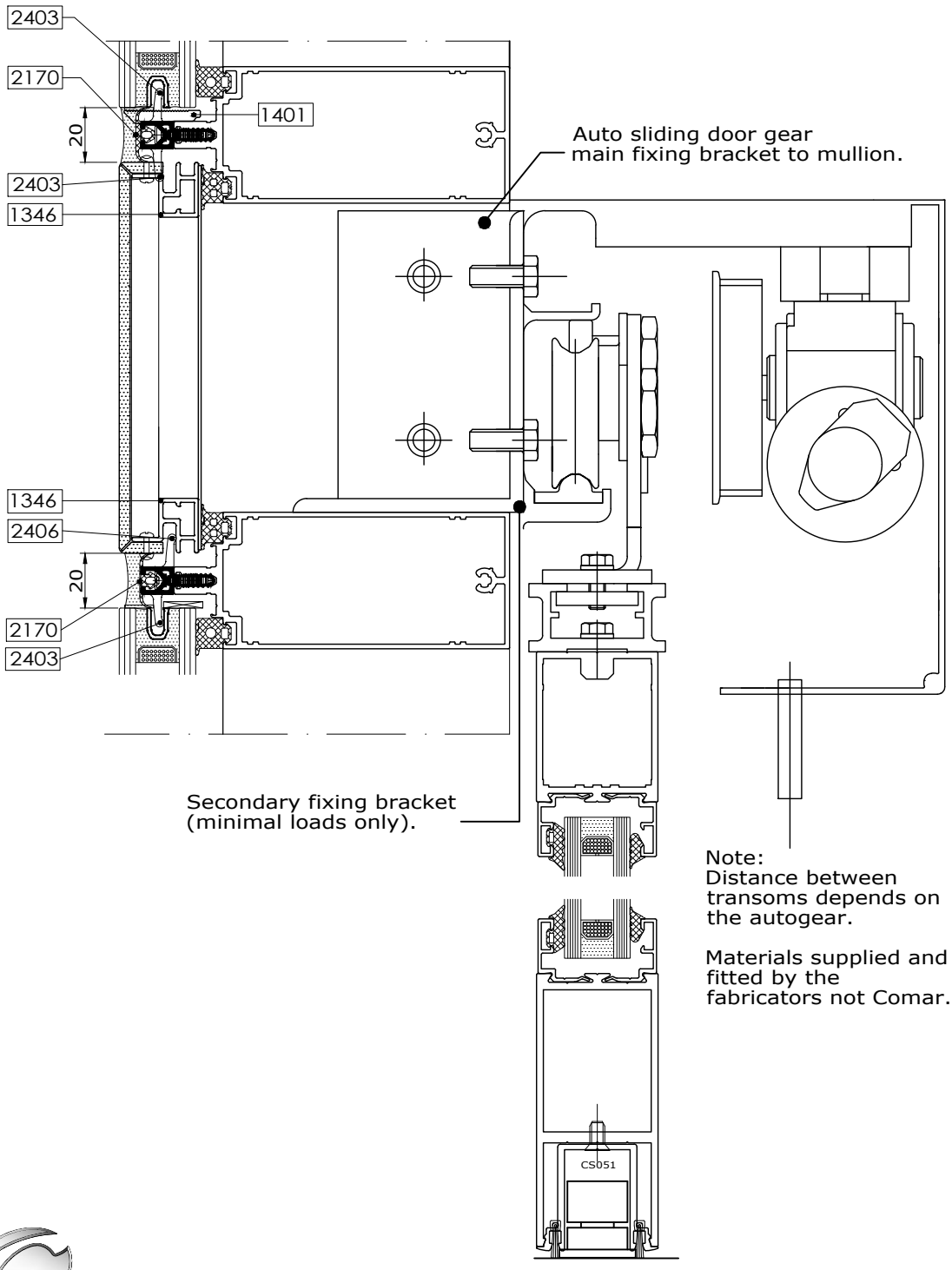
Fabricators Guide

Integration 5

Comar 6EFT

Comar 7 auto sliding door into Comar 6 EFT (4 sided SG)

5.12



Note:
Distance between transoms depends on the autogear.

Materials supplied and fitted by the fabricators not Comar.

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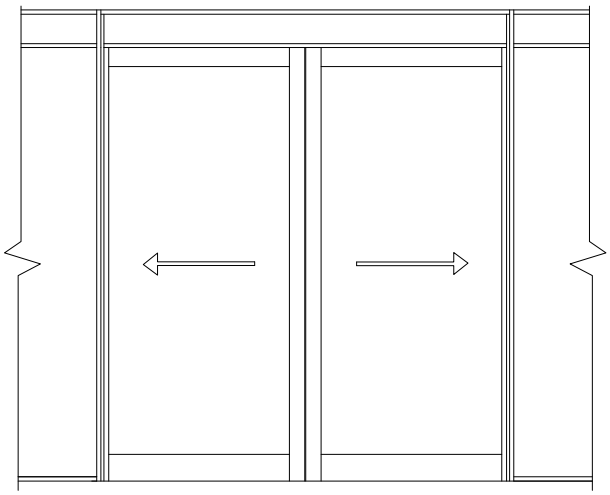
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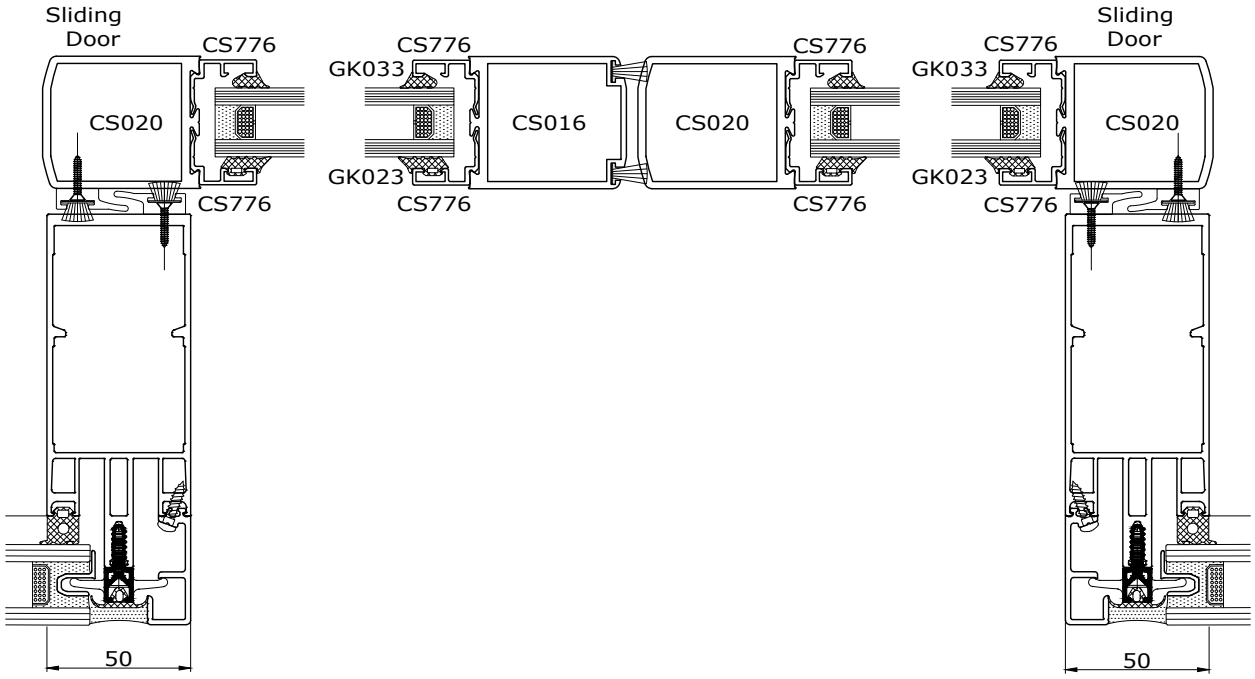
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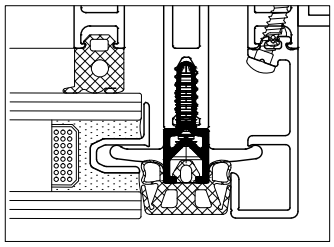
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Comar 7 auto sliding door into Comar 6 EFT (4 sided SG)





Gasket seals are also available



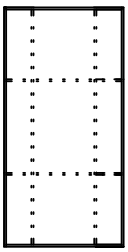
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Integration 5

Comar 6EFT

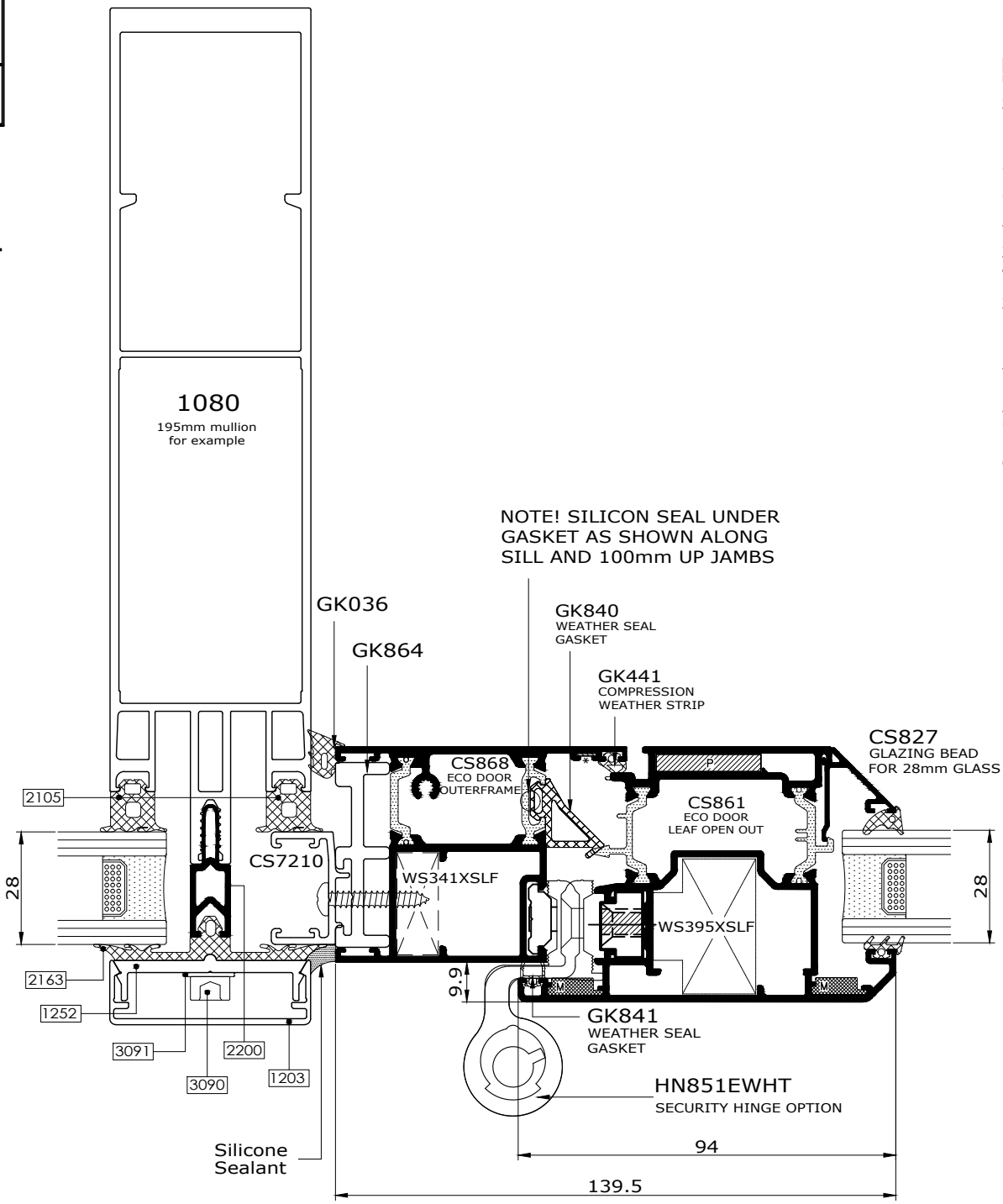


Comar 7Pi ECO door into FCCW Rebated Door Open Out Jamb Detail

5.14

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M DENOTES WS416XSLF ALIGNMENT SQUARE
P DENOTES WS172XSLF CORNER CLEAT
* DENOTES WS515 CHEVRON

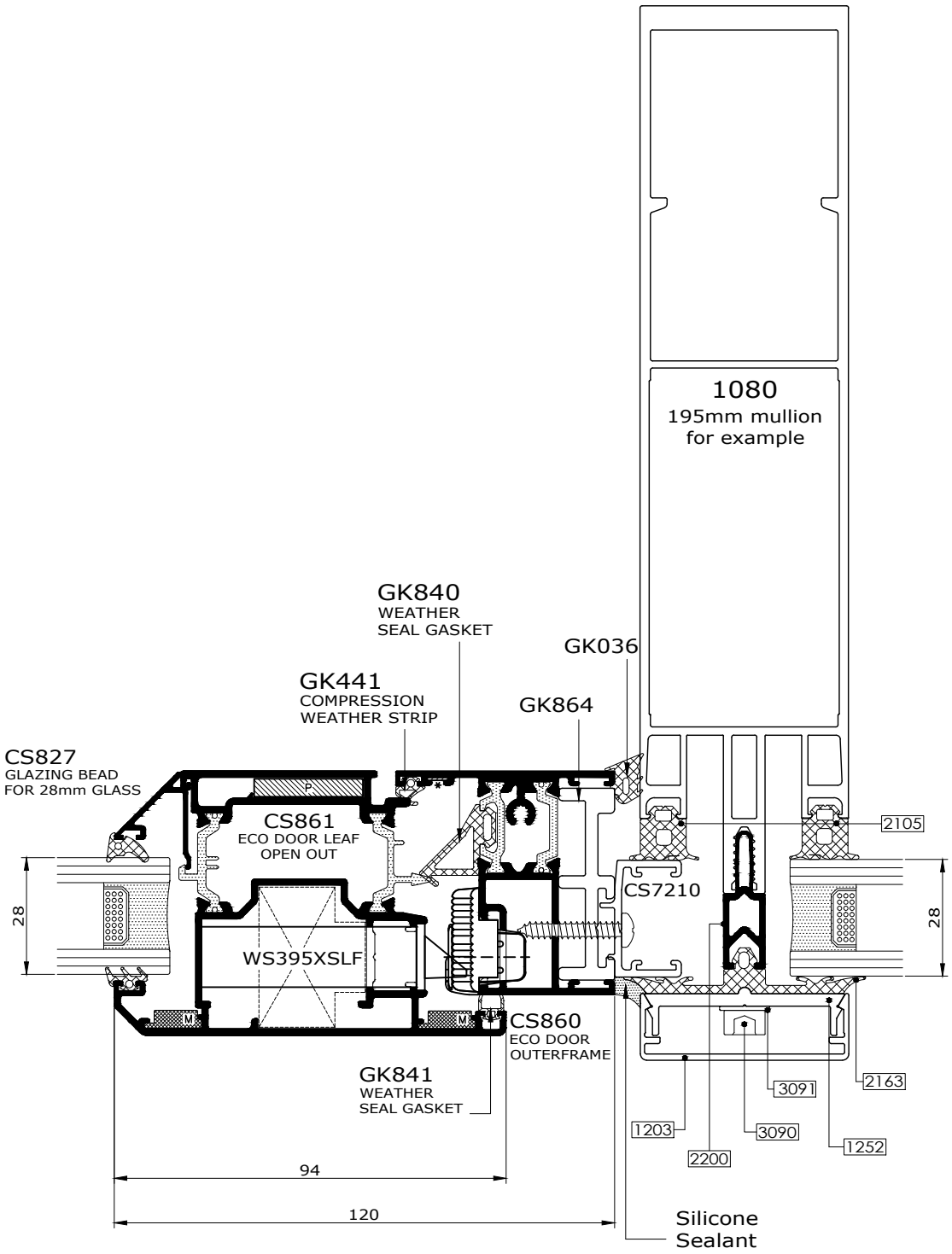
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Comar 7 Pi ECO Door into FCCW Rebated Door Open Out Locking Detail



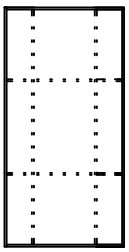
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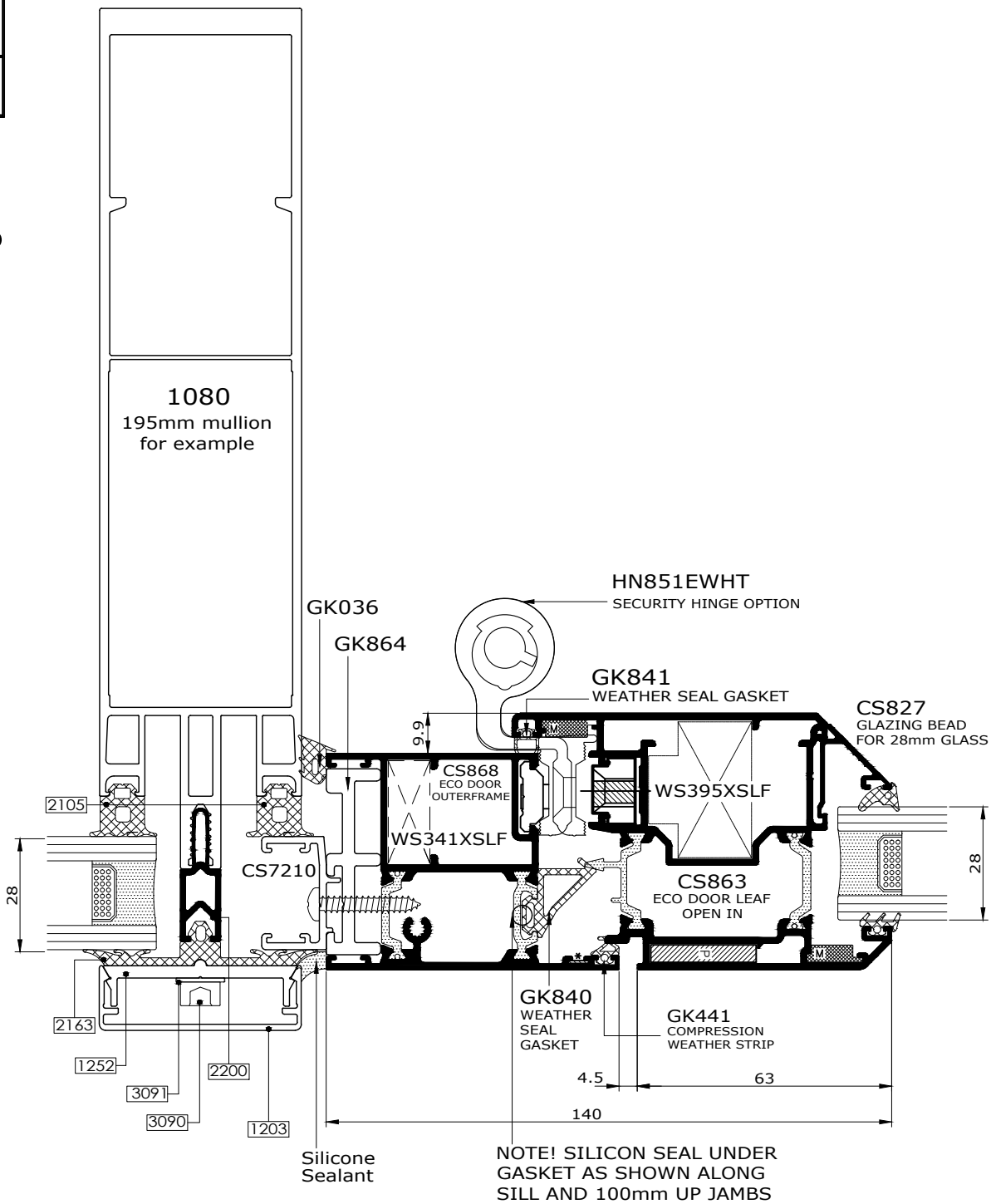
Comar 6EFT

Comar 7Pi ECO door into FCCW Rebated Door Open In Jamb Detail



5.16

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M DENOTES WS416XSLF ALIGNMENT SQUARE
P DENOTES WS172XSLF CORNER CLEAT
* DENOTES WS515 CHEVRON

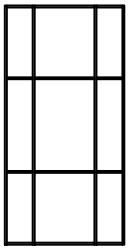
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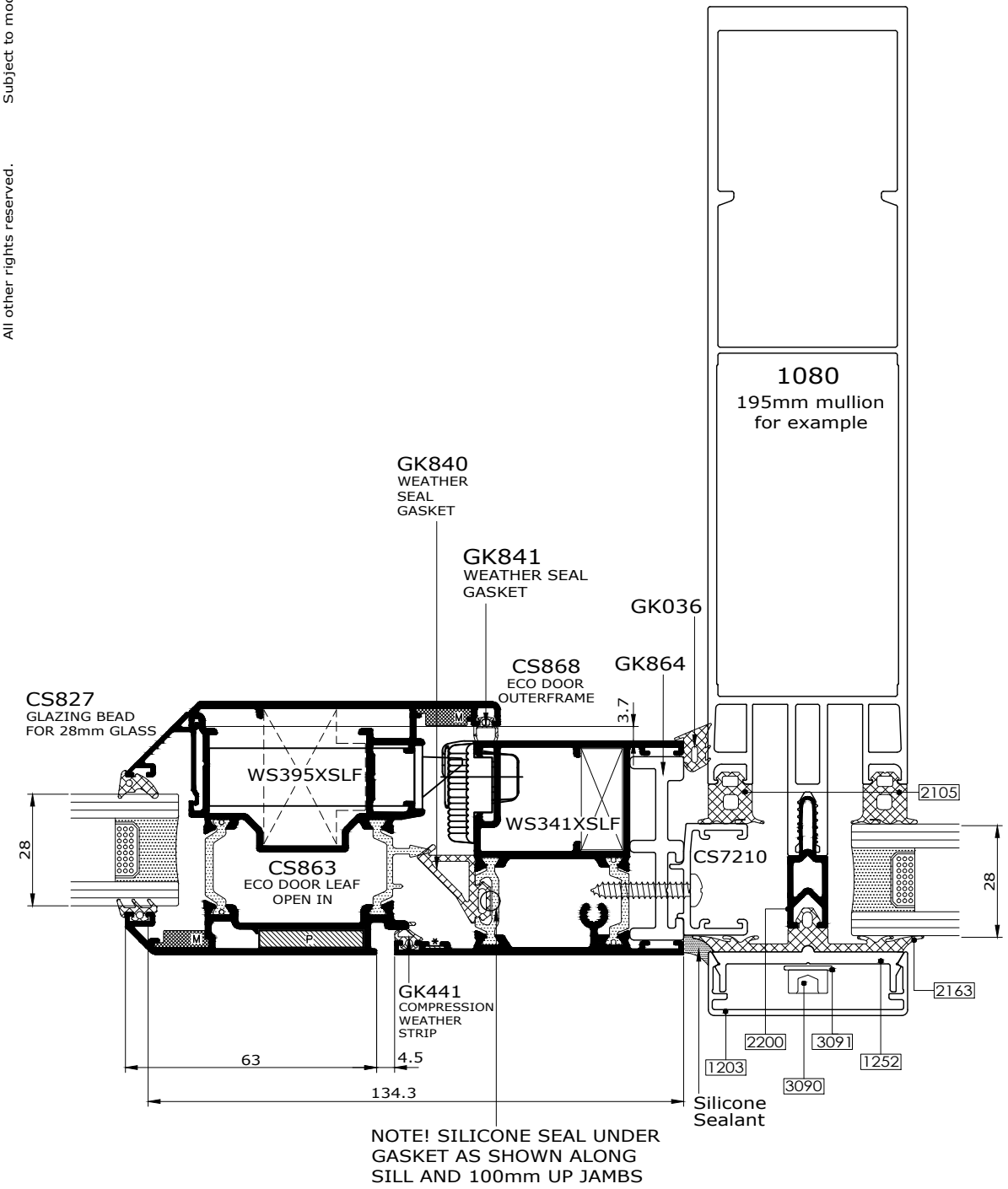
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Comar 7 Pi ECO Door into FCCW Rebated Door Open In Locking Detail



5.17



M DENOTES WS416XSLF ALIGNMENT SQUARE
P DENOTES WS172XSLF CORNER CLEAT
* DENOTES WS515 CHEVRON

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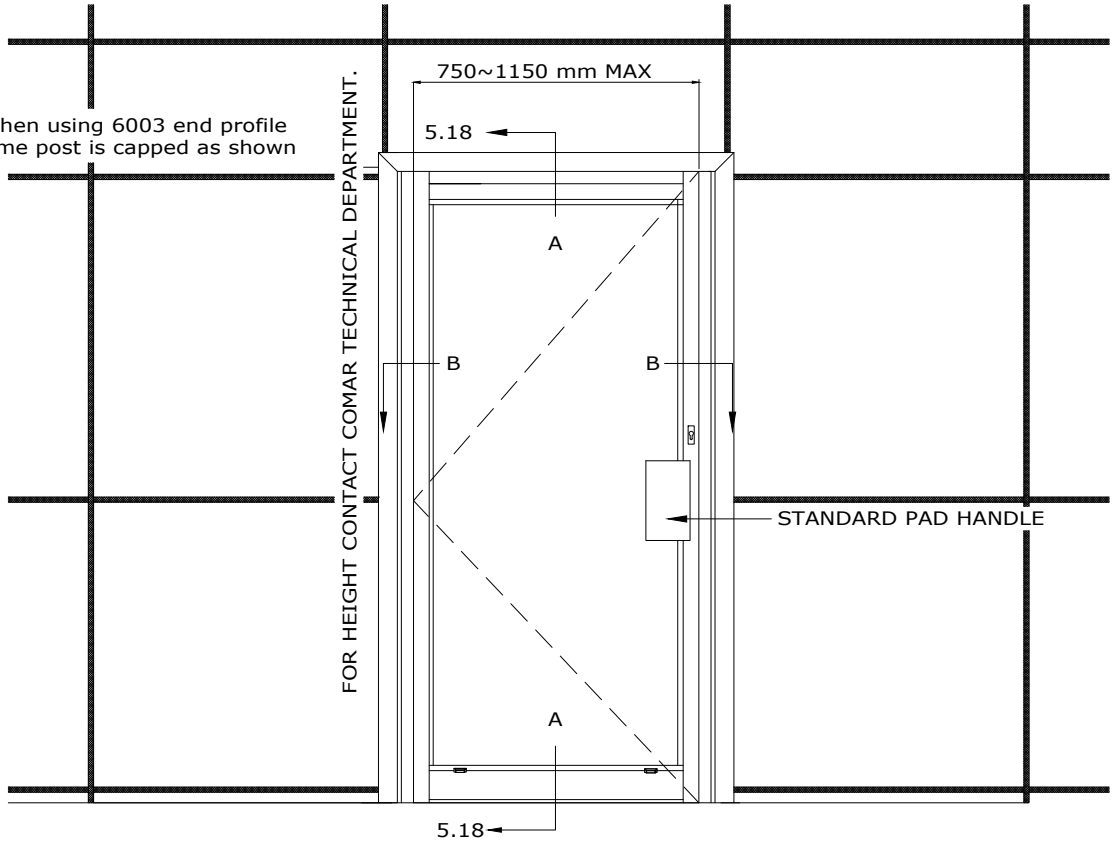
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Fabricators Guide

Comar 6EFT

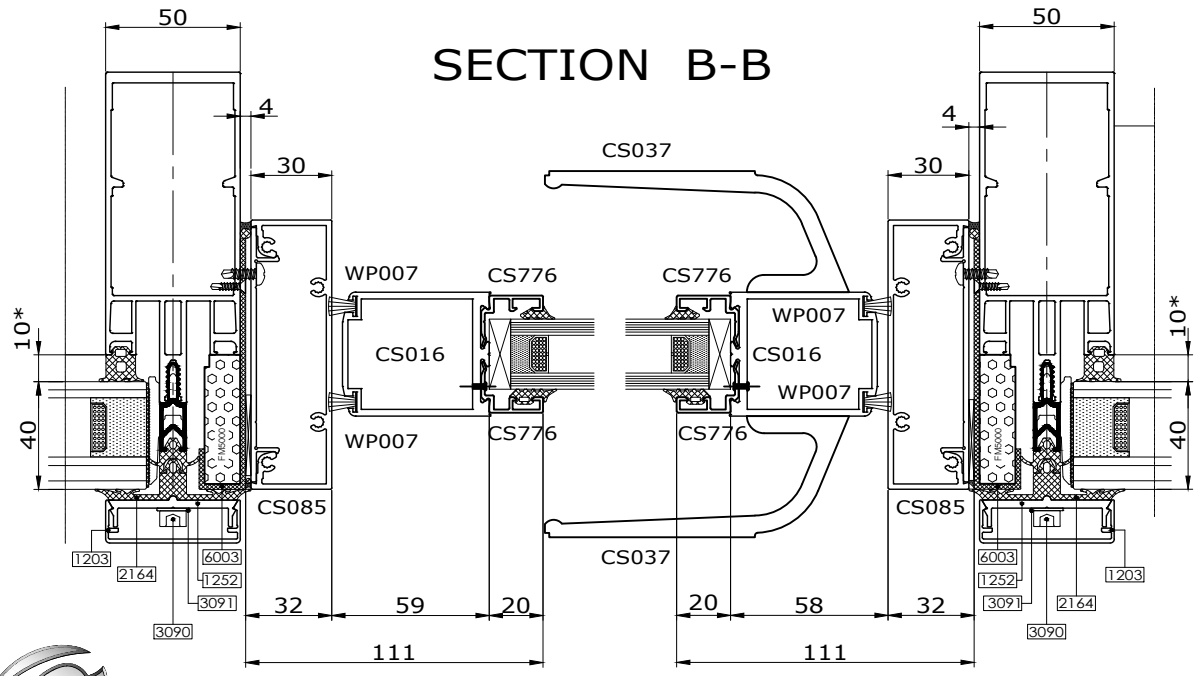
Comar 7 into Comar 6 EFT Capped Perimeter

5.18



EXTERNAL ELEVATION (COMAR 7 STANDARD SWING DOOR)

SECTION B-B



* Refer to Glazing Chart for glazing options

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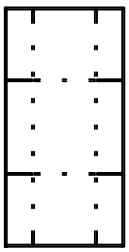
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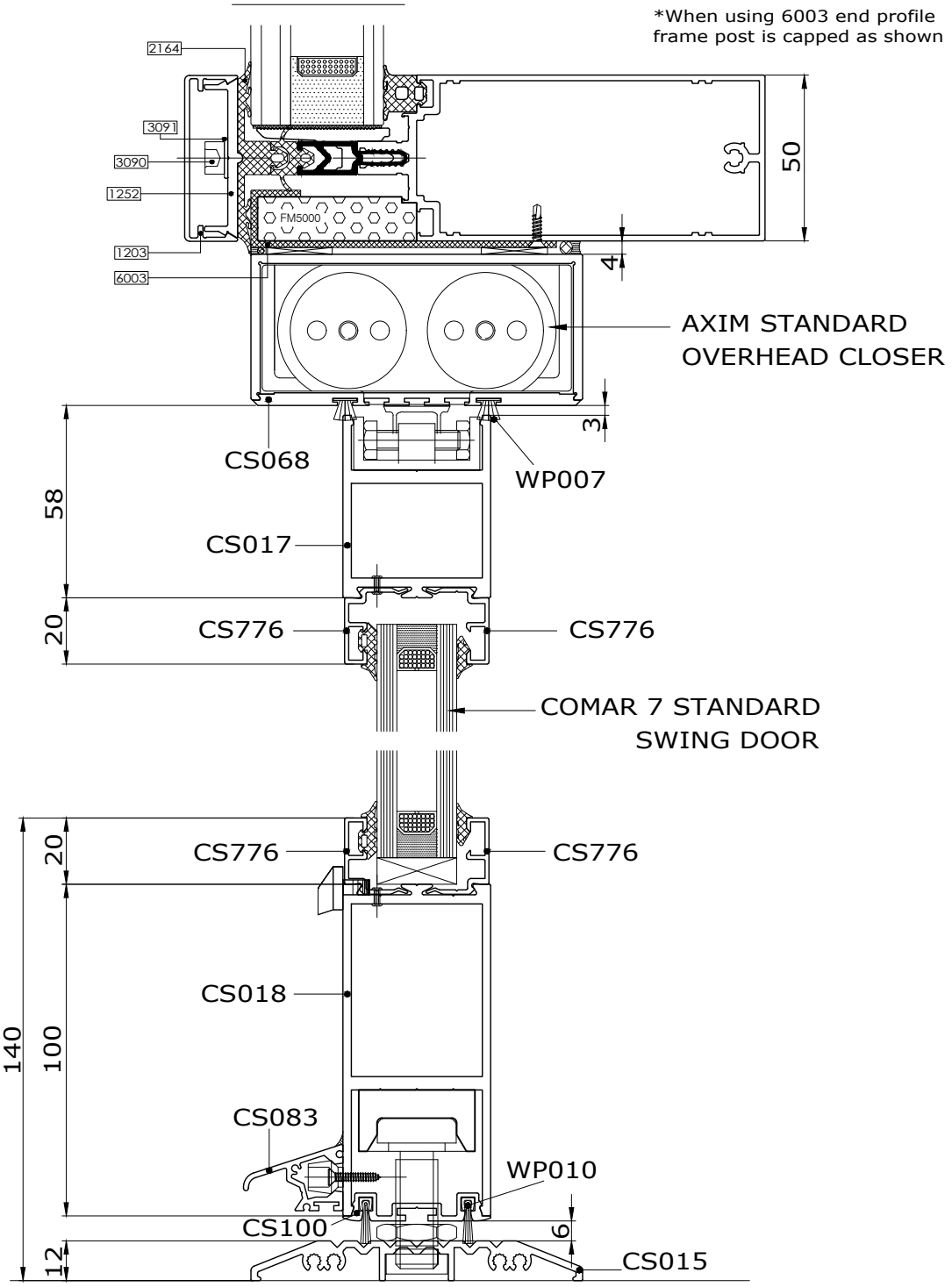
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Comar 7 door into Comar 6 EFT Capped perimeter



5.19



SECTION A-A

* Refer to Glazing Chart for glazing options

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Fabricators Guide

Integration 5

Comar 6EFT

Comar 9 Pi into Comar 6 EFT Capped Perimeter

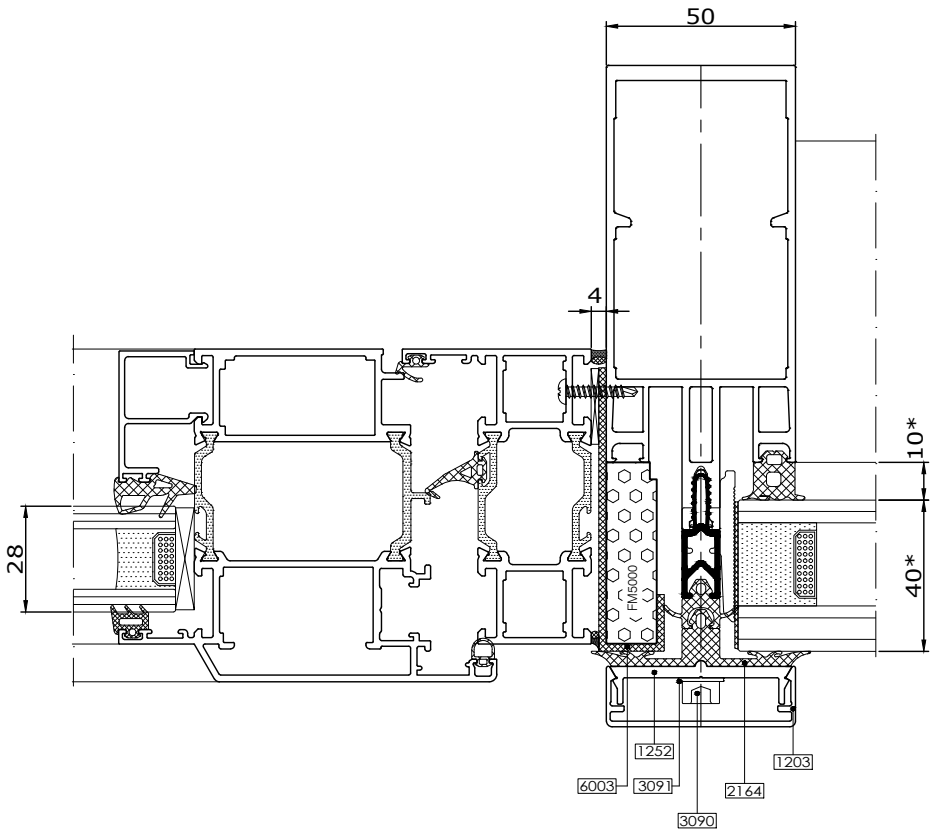
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COMAR 9Pi Mitred Door Open Out

*When using 6003 end profile frame post is capped as shown

5.20

Fabricators Guide



* Refer to Glazing Chart for glazing options

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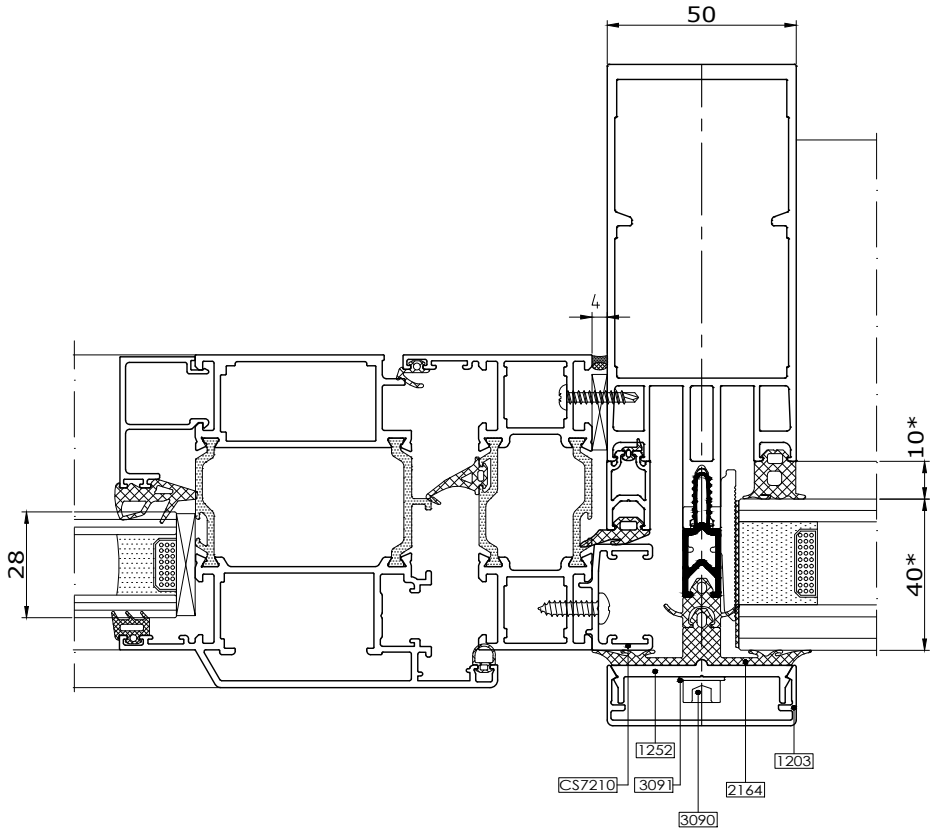
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Comar 9Pi into Comar 6EFT Capped with CS7210

COMAR 9Pi Mitred Door Open Out

5.21



* Refer to Glazing Chart for glazing options

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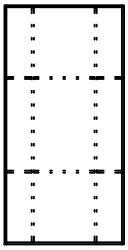
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Integration 5

Comar 6EFT

Future addition



5.22-5.99

Fabricators Guide

FUTURE ADDITION

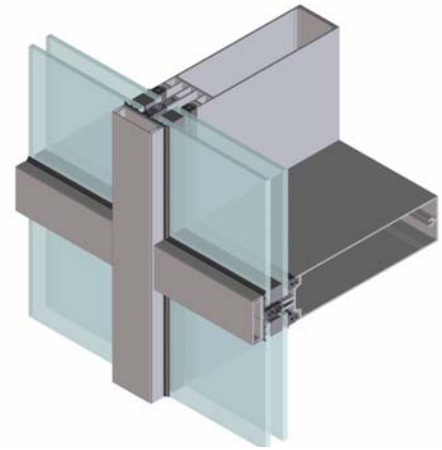
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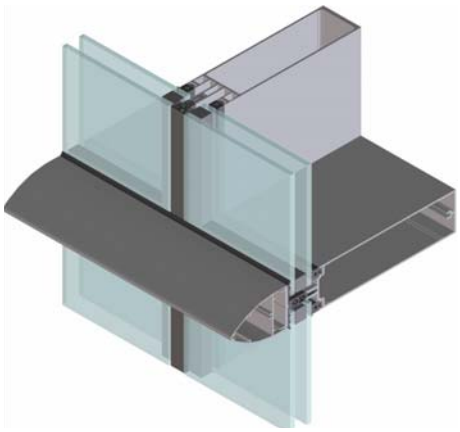
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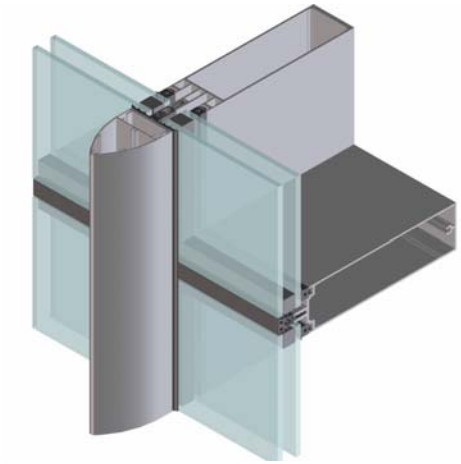
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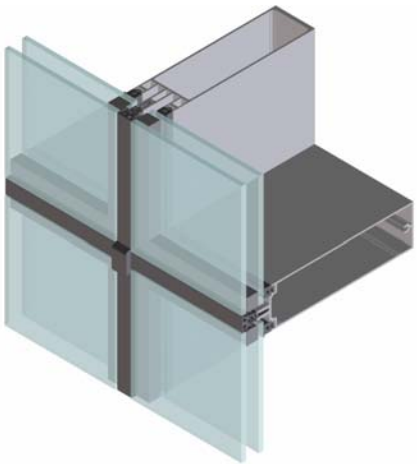
Capped



2sided SGH



2sided SGV



4sided SG

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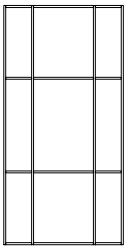
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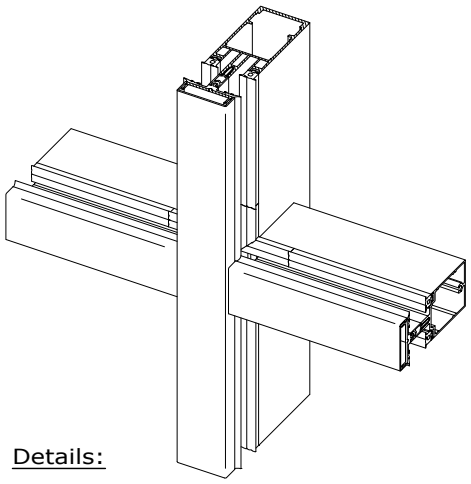
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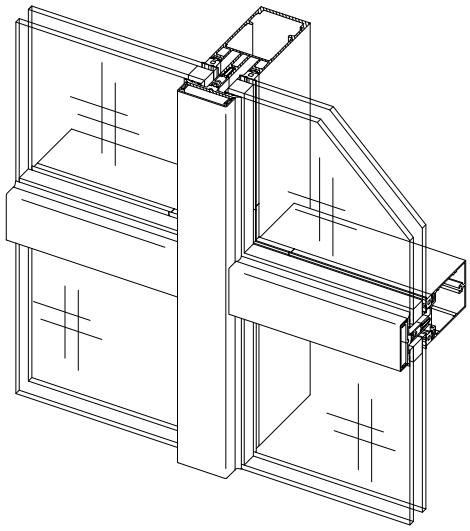
Fabrication 6

Comar 6EFT

Exploded typical detail
Fully capped



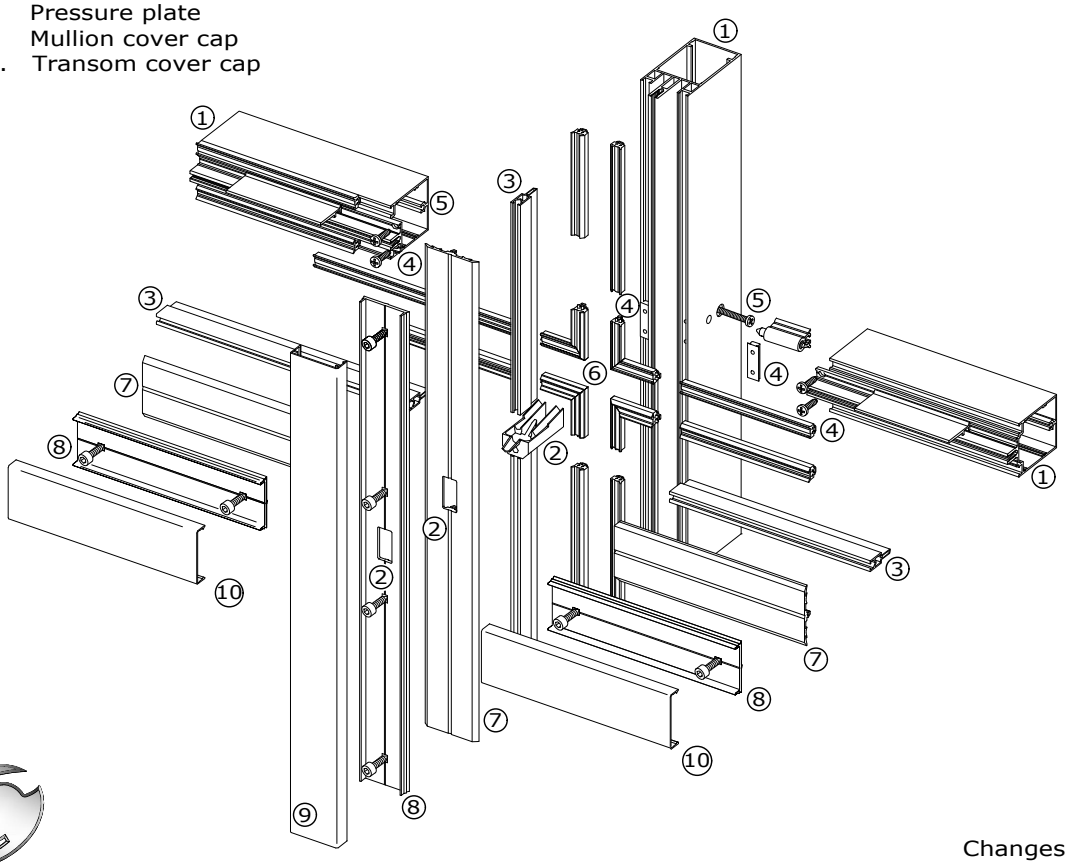




6.00

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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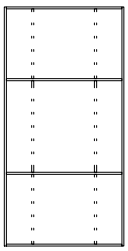
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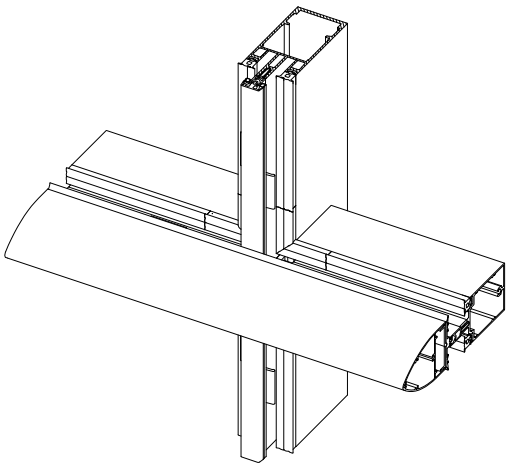
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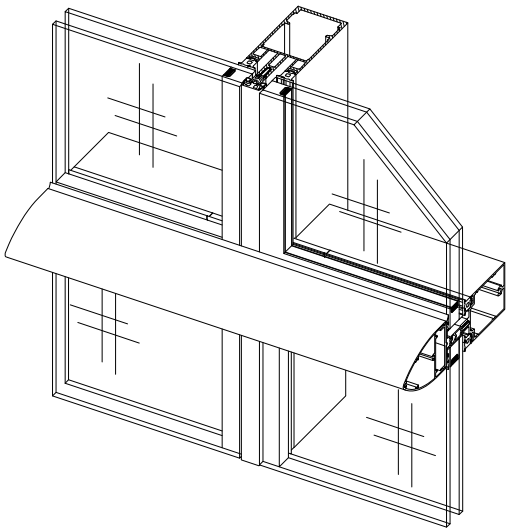
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Exploded typical details
Horizontal cover cap (2sided SGH)



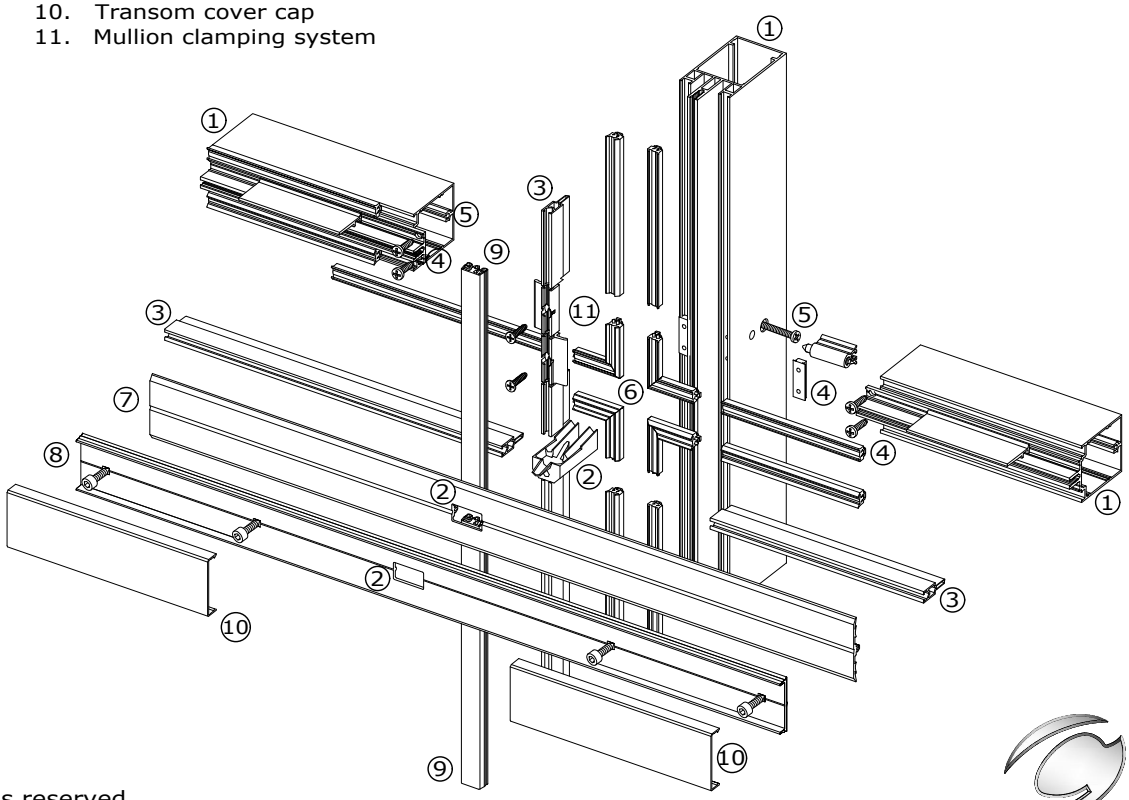




6.01

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



Fabricators Guide

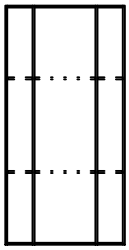
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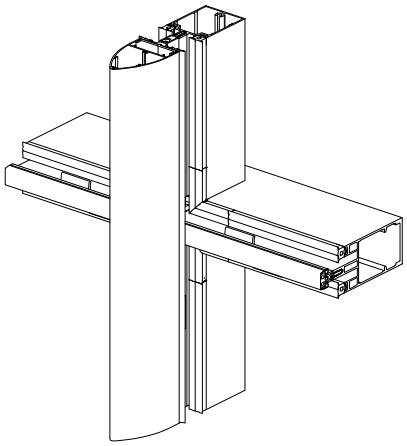
Fabrication 6

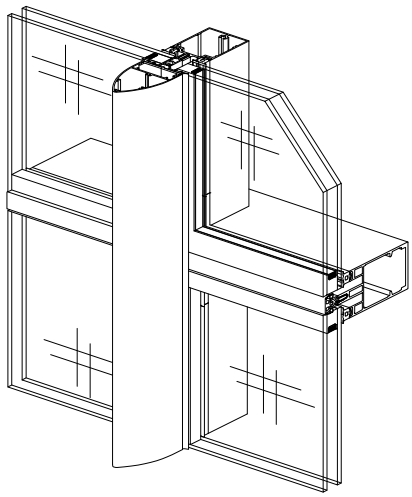
Comar 6EFT



6.02

Exploded typical detail Vertical cover cap (2Sided SGV)



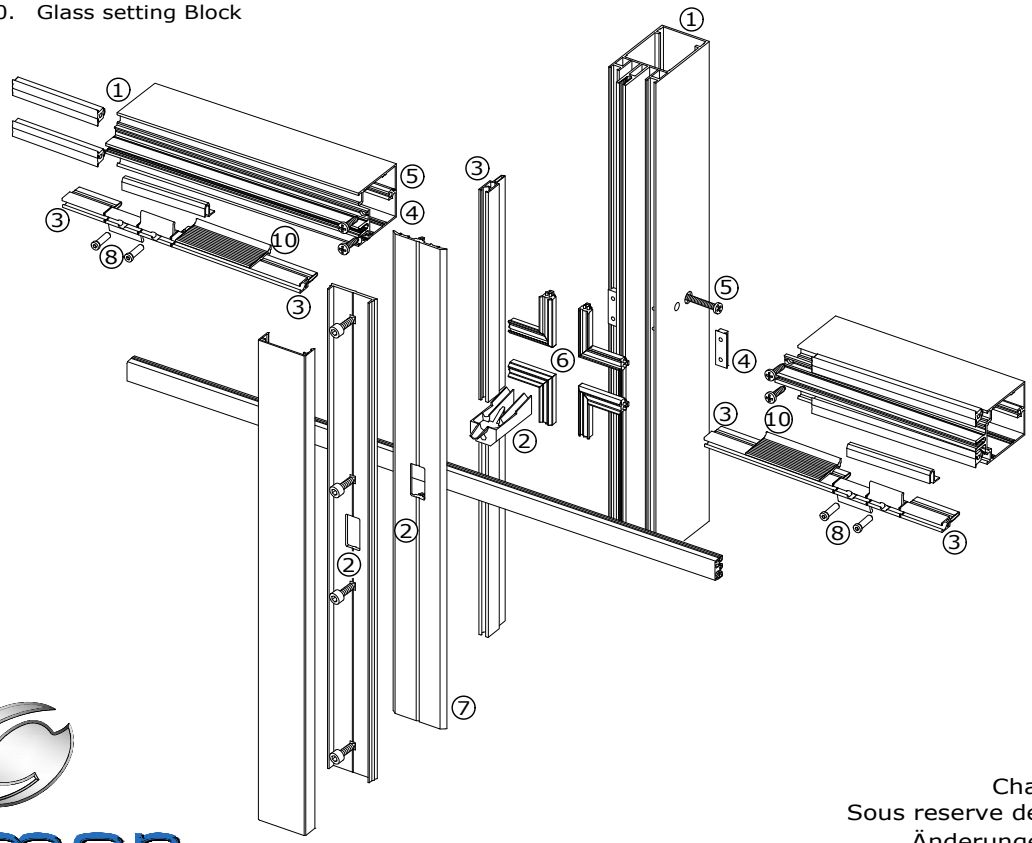


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Fabricators Guide

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



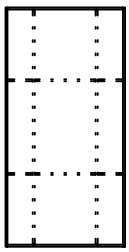
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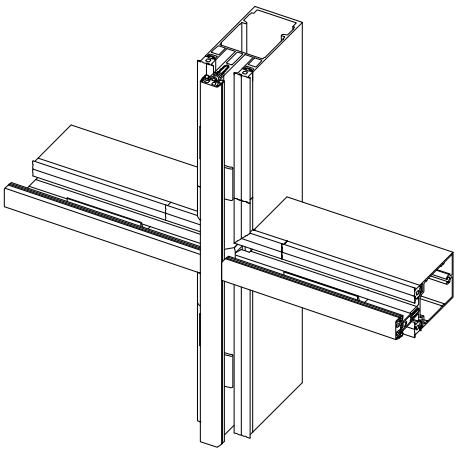
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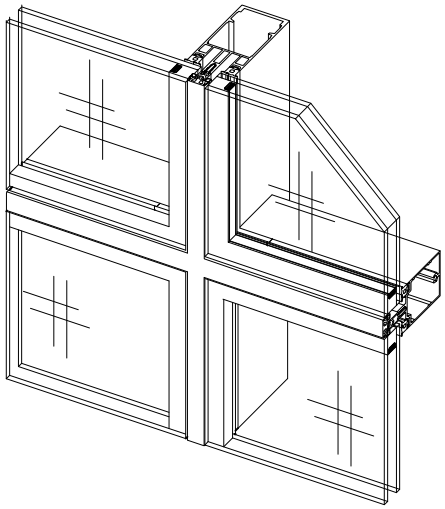
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Exploded typical details
Four sided structural EFT (4sided SG)



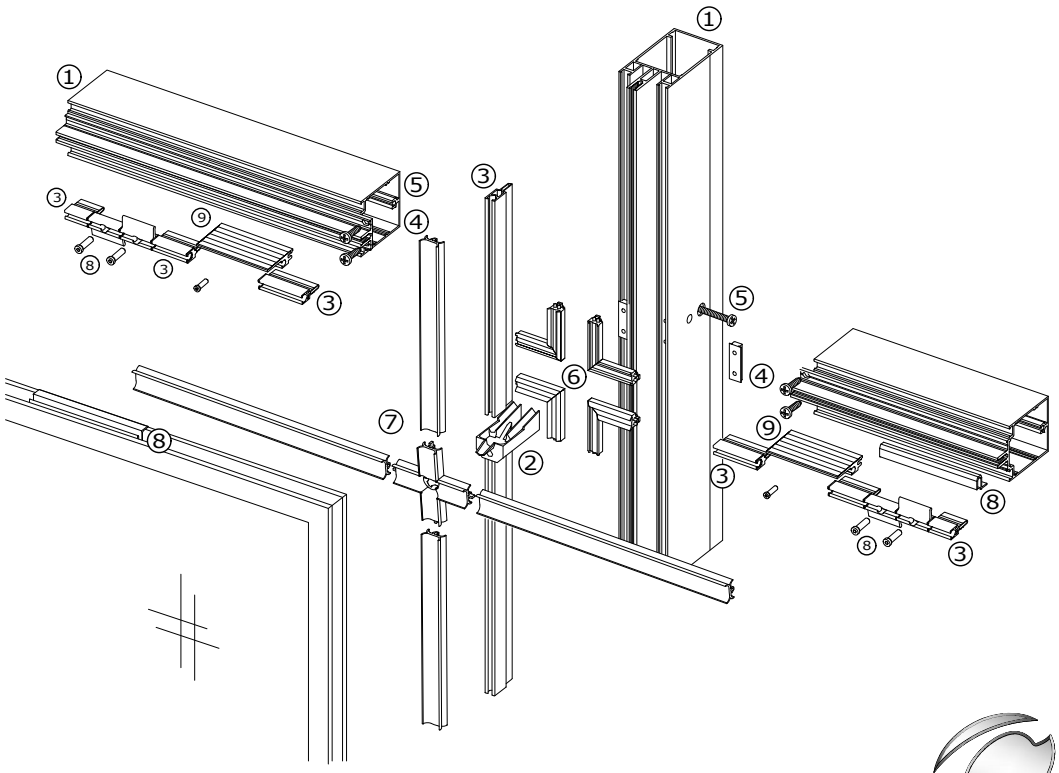
6.03





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



Fabricators Guide

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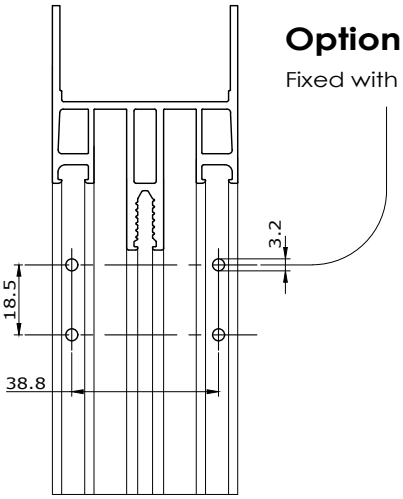
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Comar 6EFT

Mullion - Transom Connection

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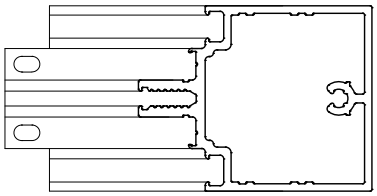
6.04



Option 1 (for 45mm Transoms only)

Fixed with 2 screws EFT 3021 (3.9x16)

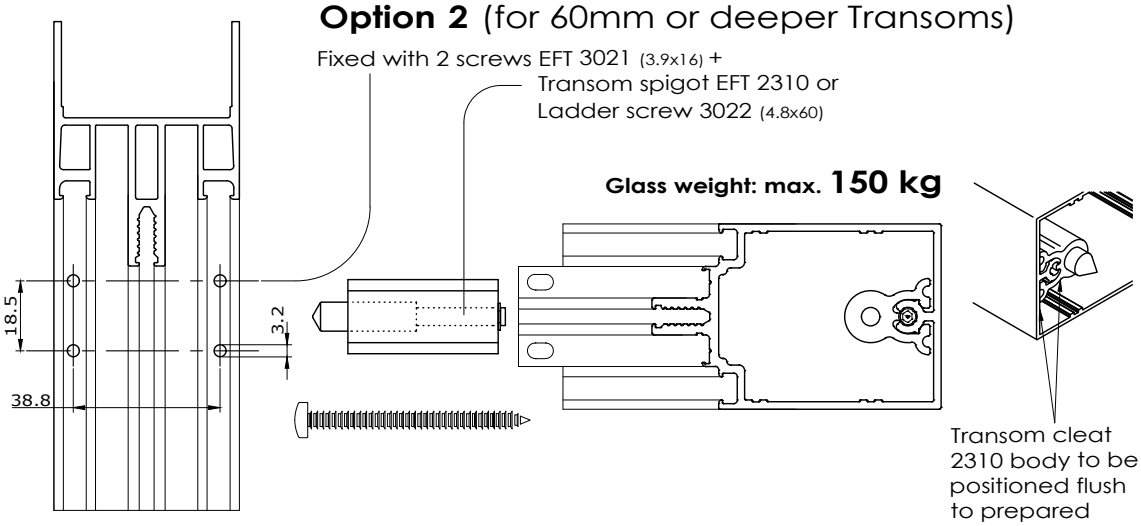
Glass weight: max. 100 kg



Option 2 (for 60mm or deeper Transoms)

Fixed with 2 screws EFT 3021 (3.9x16) +
Transom spigot EFT 2310 or
Ladder screw 3022 (4.8x60)

Glass weight: max. 150 kg



Transom cleat 2310 body to be positioned flush to prepared edge of transom and super glued

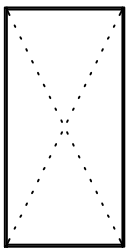
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Mullion - Transom Connection



6.05

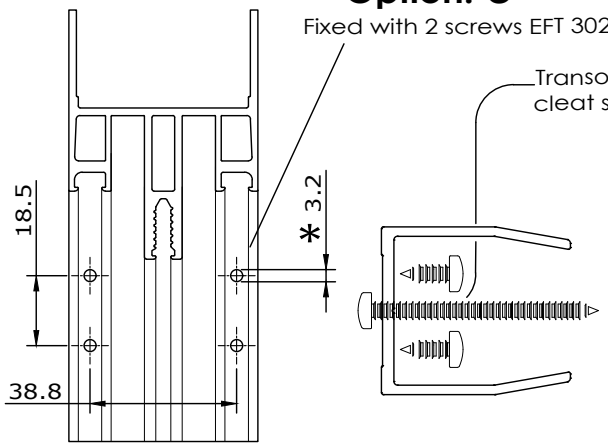
Option: 3

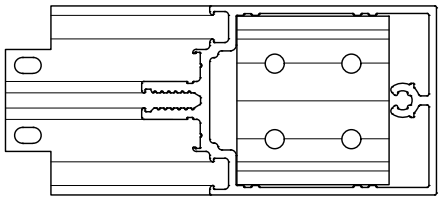
Fixed with 2 screws EFT 3021 (3.9x16) +

Transom cleat - refer to drawing 6.09 & 6.10 for cleat size Ladder screw 3022 (4.8 x 60)

Glass weight: max. 250 kg

4 screws 3025 (4.8x13)



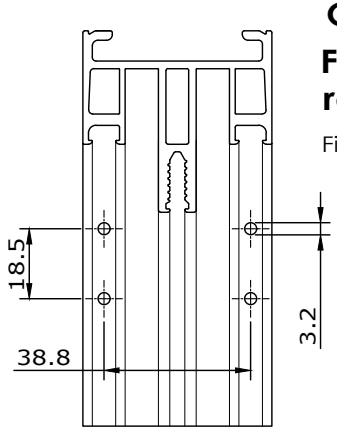


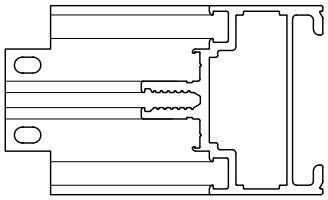
* For ladder unit only, 3022 (4.8 x 60)

Option: 4

For direct fix to steel or timber details refer to drawing 6.09

Fixed with 2 screws EFT 3021 (3.9x16)

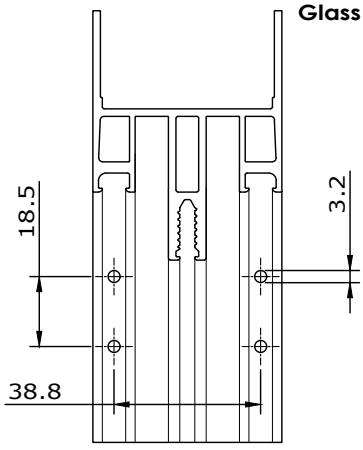


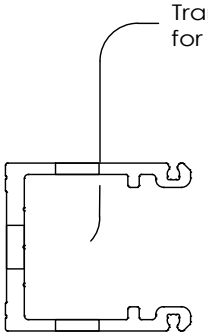


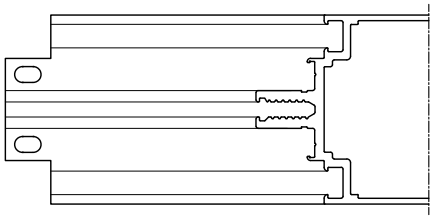
Option: 5

Glass weight: max 450 kg

Transom cleats - refer to drawing 6.08 for cleat sizes







Fabricators Guide

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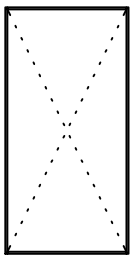
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Date: 10-16

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Fabrication 6

Comar 6EFT

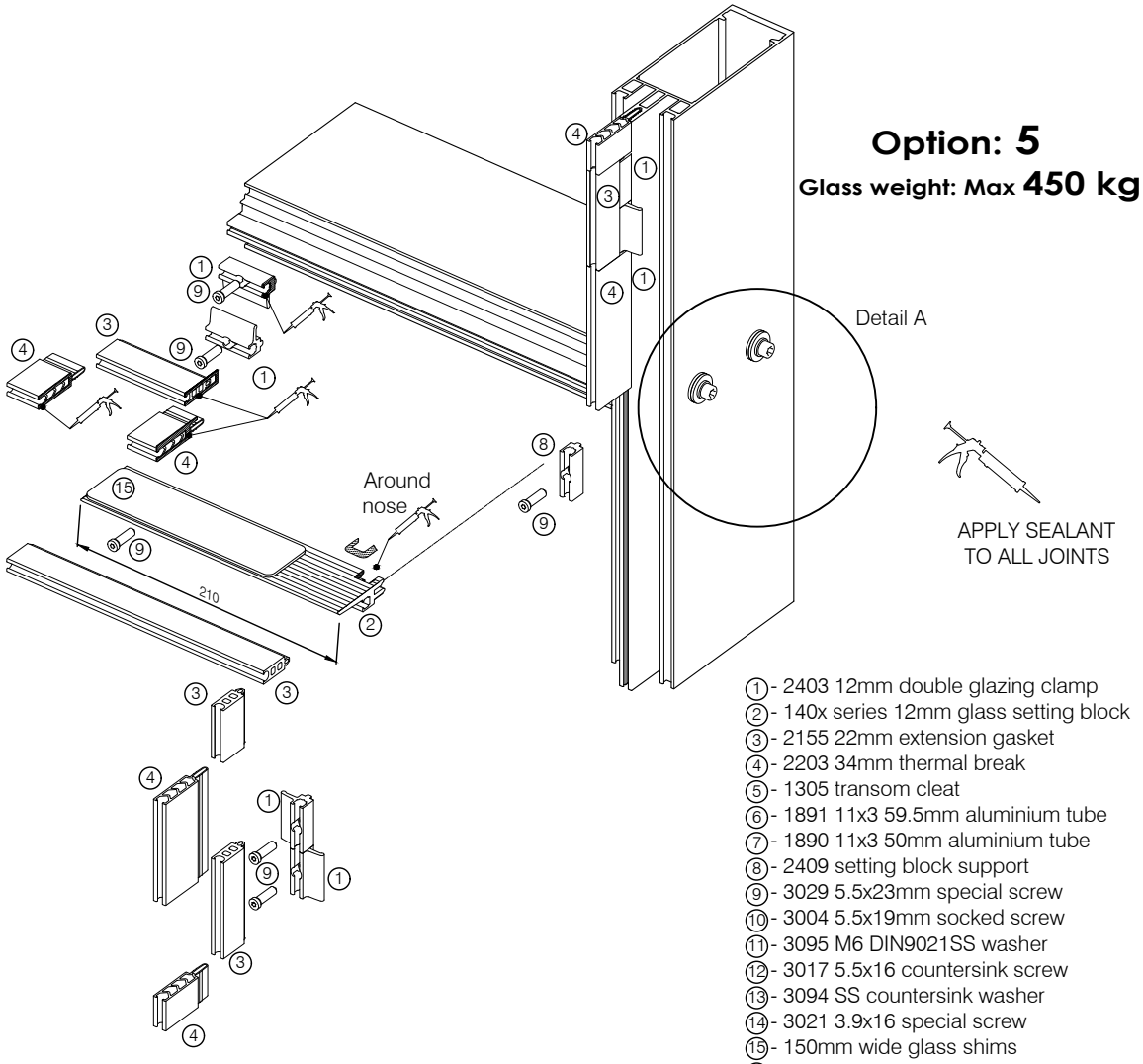
Heavy glass support
Jamb detail



Option: 5

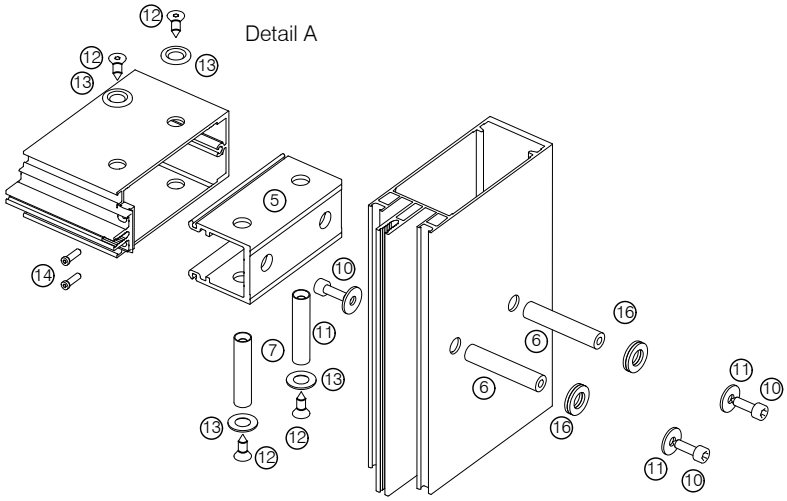
Glass weight: Max 450 kg

6.06



Fabricators Guide

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. - M12 SS washers by Others



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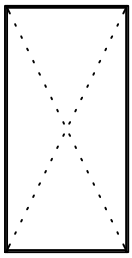
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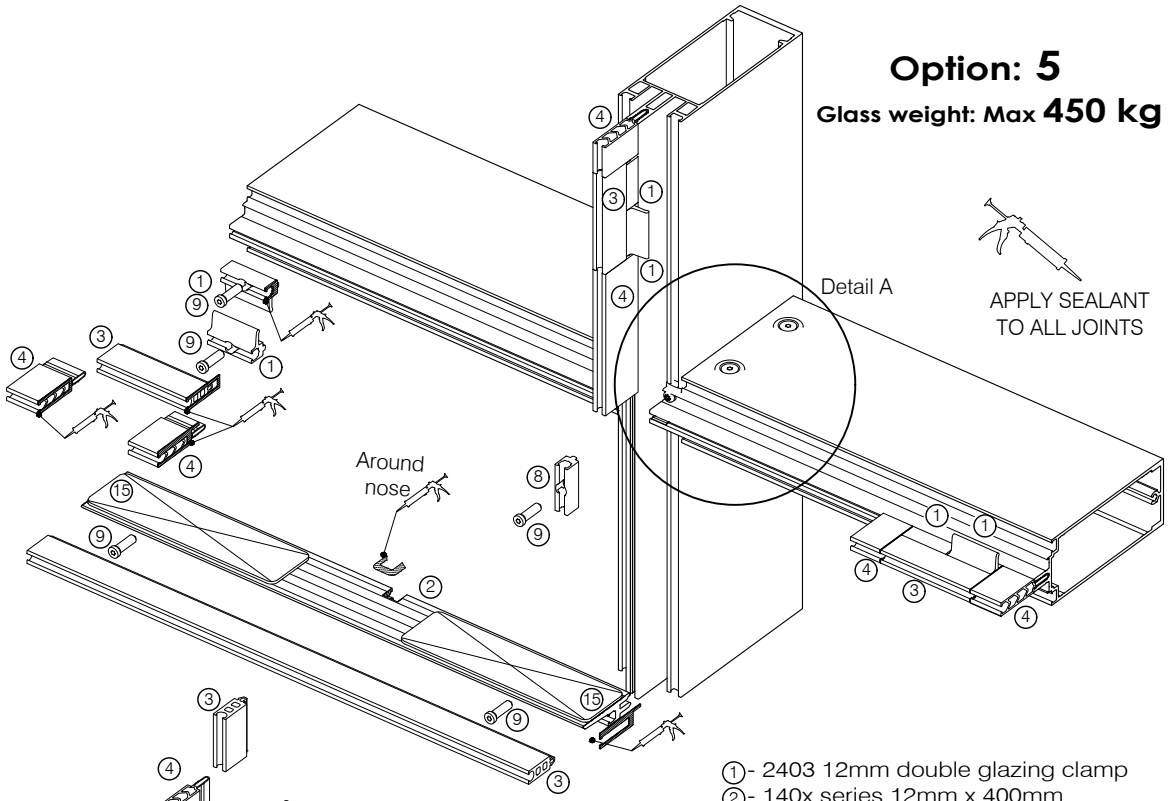
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Heavy glass support
Mullion Detail

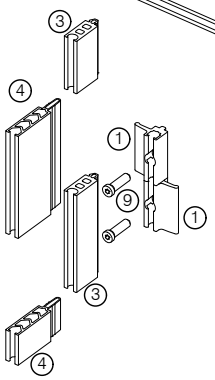
Option: 5

Glass weight: Max 450 kg

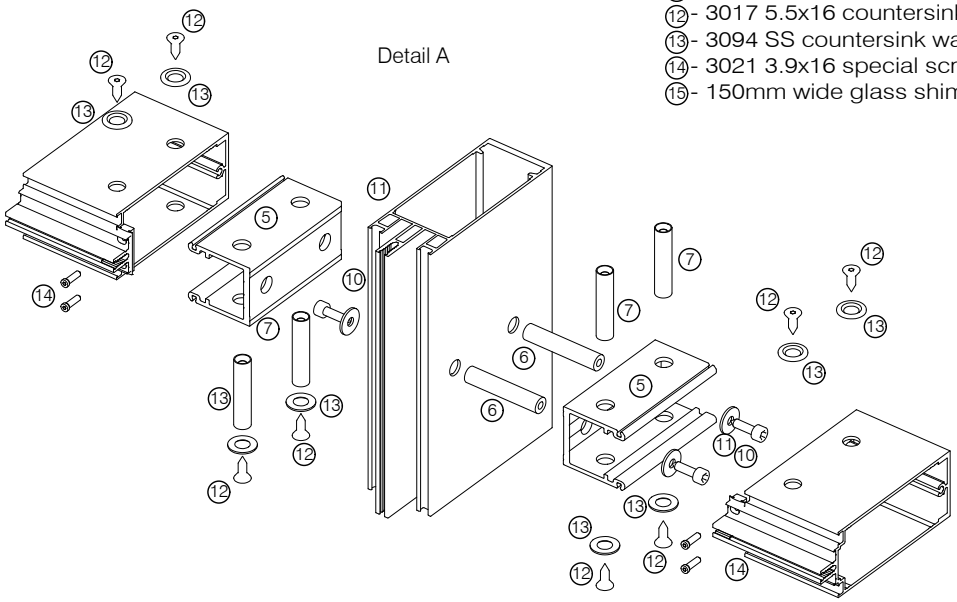




6.07



1- 2403 12mm double glazing clamp
2- 140x series 12mm x 400mm 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 SS DIN9021washer
12- 3017 5.5x16 countersink screw
13- 3094 SS countersink washer
14- 3021 3.9x16 special screw
15- 150mm wide glass shims



Fabricators Guide

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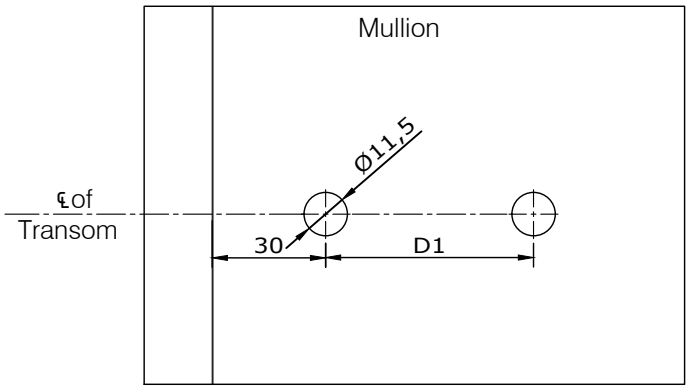
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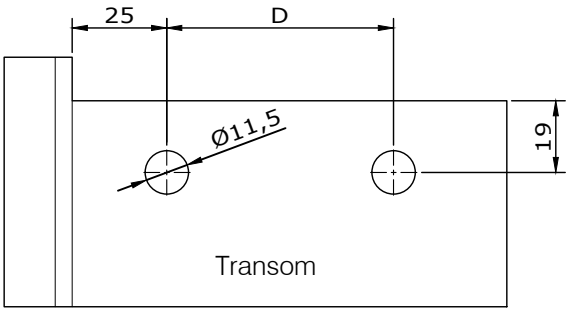
Installation 6

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Mullion - Transom Connection

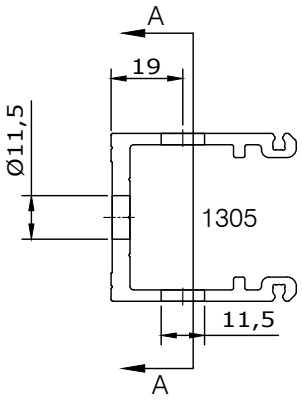


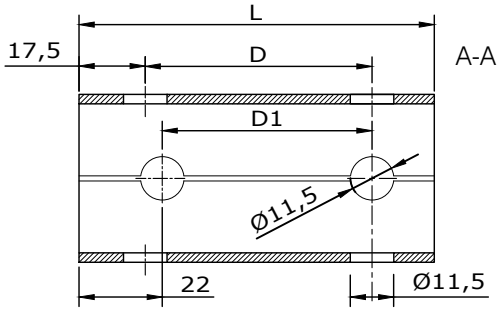
6.08



Option: 5

Glass weight max 450 kg





Fabricators Guide

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)
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	160	156

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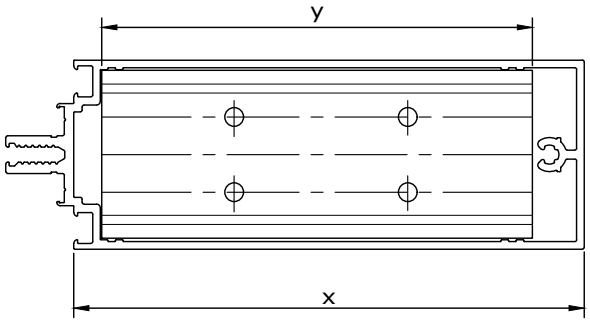
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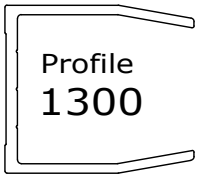
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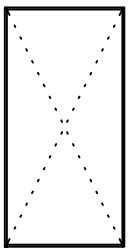
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Transom cleat size





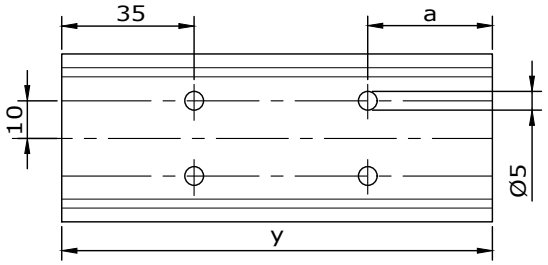


Cleat length (y) = Transom size (x) - 21mm

6.09

Transom number	Transom Size (x)	Cleat part no.	Cleat length (y)	Hole Ctr (a)
1149	45mm	N/A	N/A	N/A
1150	60mm	N/A	N/A	N/A
1151	85mm	2551	64mm	N/A
1143	85mm	2551	64mm	N/A
1164	105mm	2564	84mm	20mm
1144	115mm	Cut by Fab	94mm	See 6.10
1152	135mm	2552	114mm	35mm
1145	150mm	2554	129mm	20mm
1154	150mm	2554	129mm	20mm
1147	175mm	Cut by Fab	154mm	See 6.10
1156	180mm	2556	159mm	25&50mm
1157	195mm	2557	174mm	25mm
1148	200mm	Cut by Fab	179mm	See 6.10
1158	210mm	2558	189mm	25mm

4 screws 3025 (4.8 x 13)
Max. glass weight = 250kg



Fabricators Guide

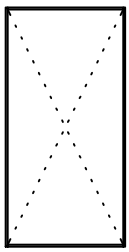
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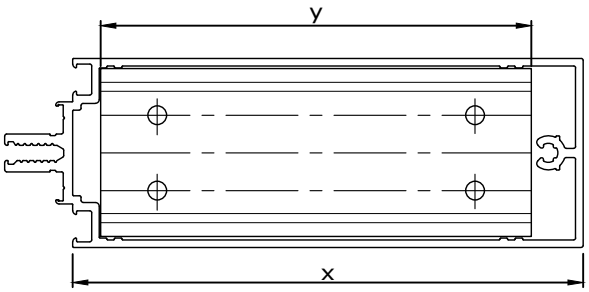
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Transom cleat sizes





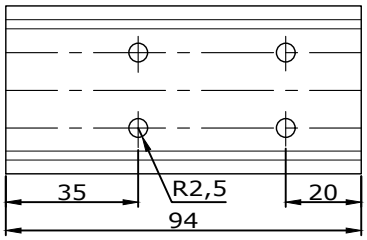
6.10

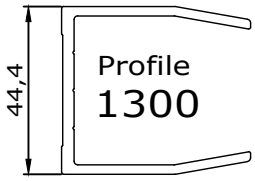
Transom number	Transom Size (x)	Cleat length (y)
1144	115mm	94mm
1147	175mm	154mm
1148	200mm	179mm

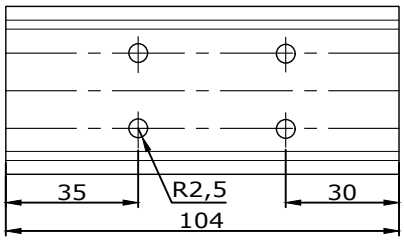
4 screws 3025(4.8 x 13)
Max. glass weight = 250kg

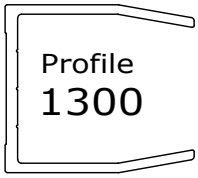
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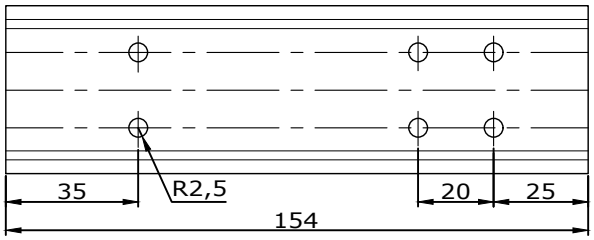
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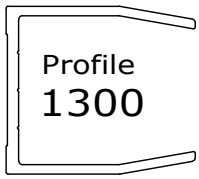


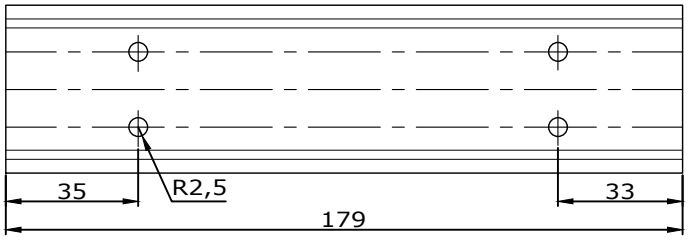


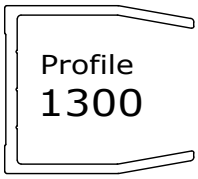












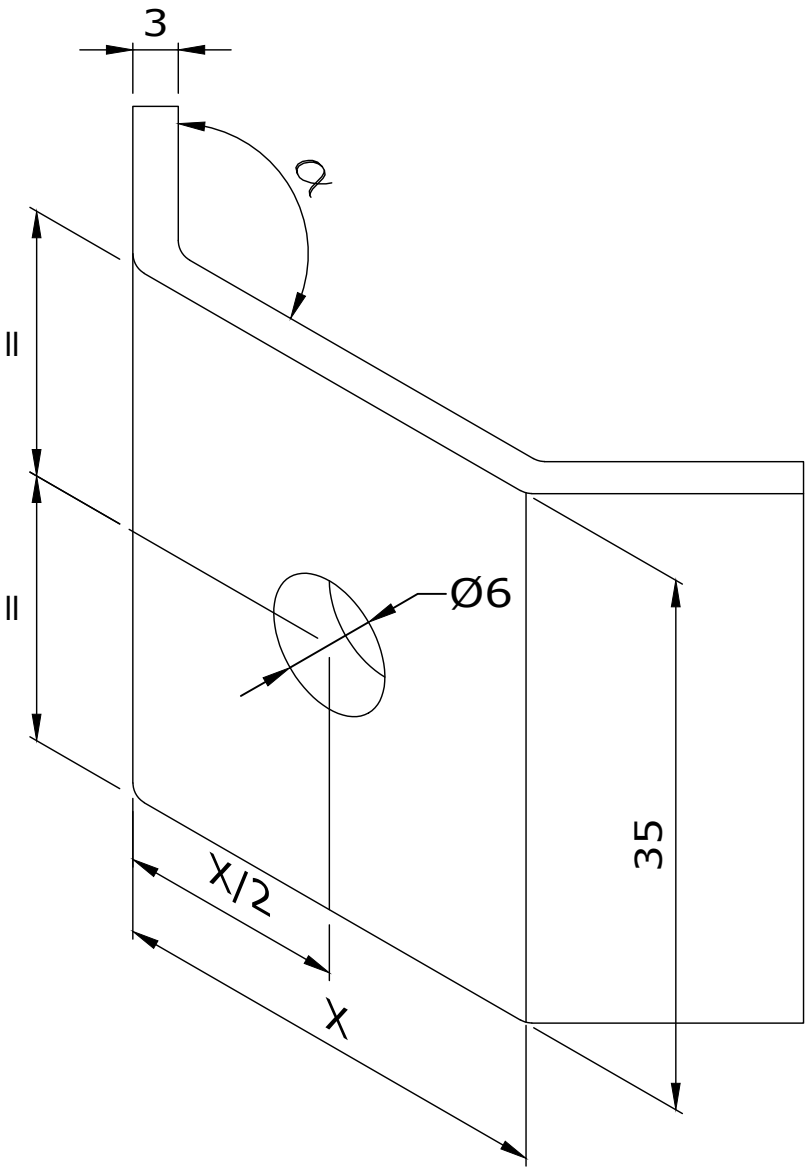
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Facetted clamp



Facetted clamps to be made to required angle α.

Material : Stainless steel

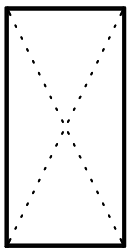
Clamps to be screwed to mullion with suitable length screw.
Length of screw is dependant on design of clamp and angle of facetted joint.

For additional clamp information contact Comar's technical department.

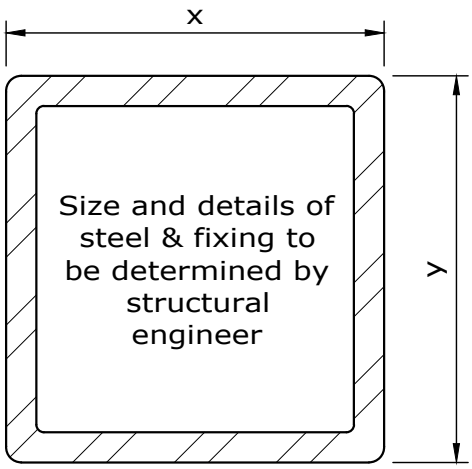
Profile Sections 6

Comar 6EFT

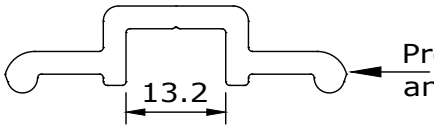
Direct fix to steel fixing lug preparation



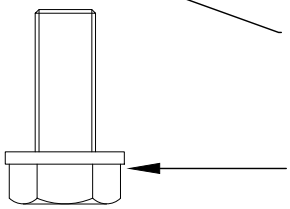
6.12



Aluminium to steel isolator (supplied by others)

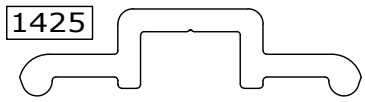


Profile 1425 (fixing lug) to be cut and drilled as shown below

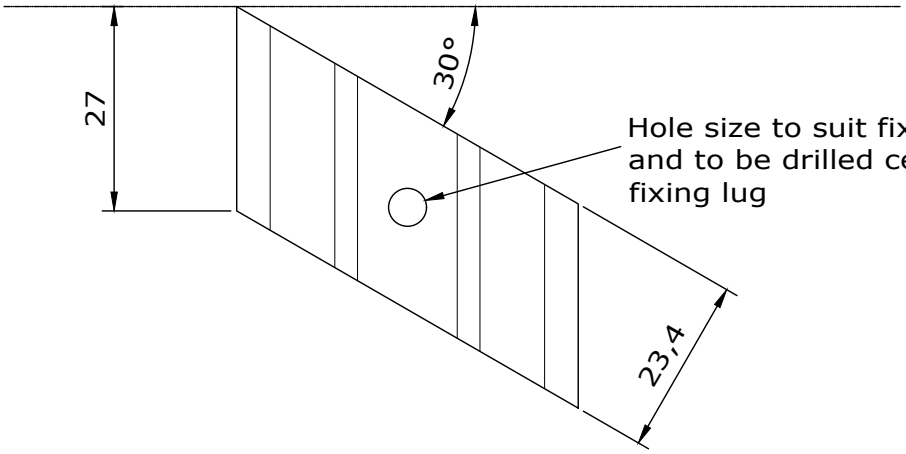


1mm spring washer (supplied by others)

Fixing bolt (supplied by others) to structural engineers specification



Profile 1425 to be cut and drilled to create fixing lugs as shown



Hole size to suit fixing bolt size and to be drilled centrally on cut fixing lug

Fabricators Guide

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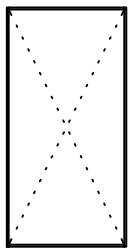
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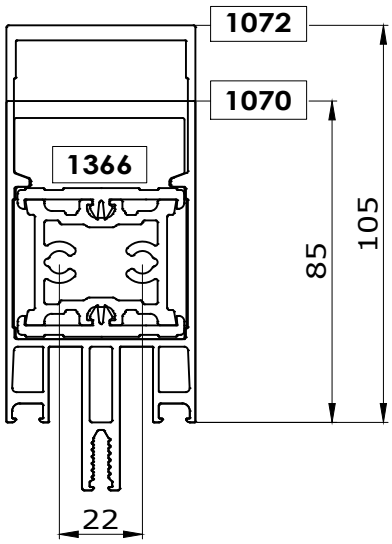
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Mullion sleeve plate
85 mm (1070)
105 mm (1072)



6.13



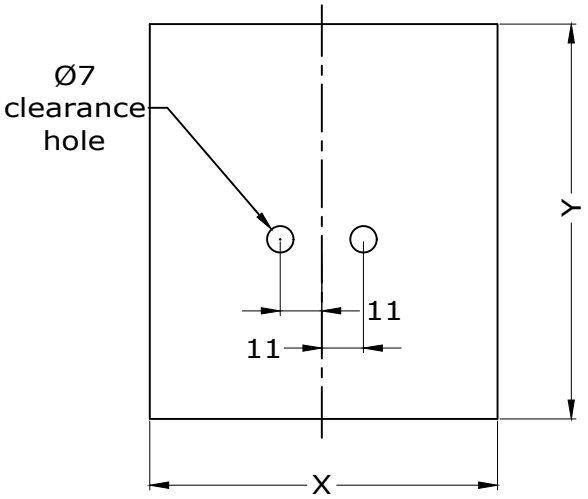
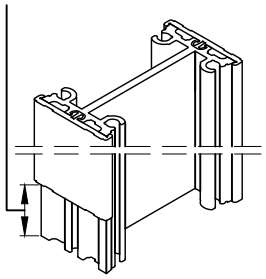


Plate supplied by others

Use Ø6.3mm number 14 x 25mm self tapping screw, countersunk (supplied by others) or plate can be welded.

Length & width of plate and anchor bolts to be determined by site conditions and to structural engineers specification.

Front plastic cover cap cut back as needed to fit EPDM



Fabricators Guide

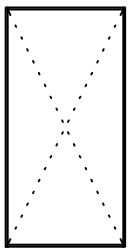
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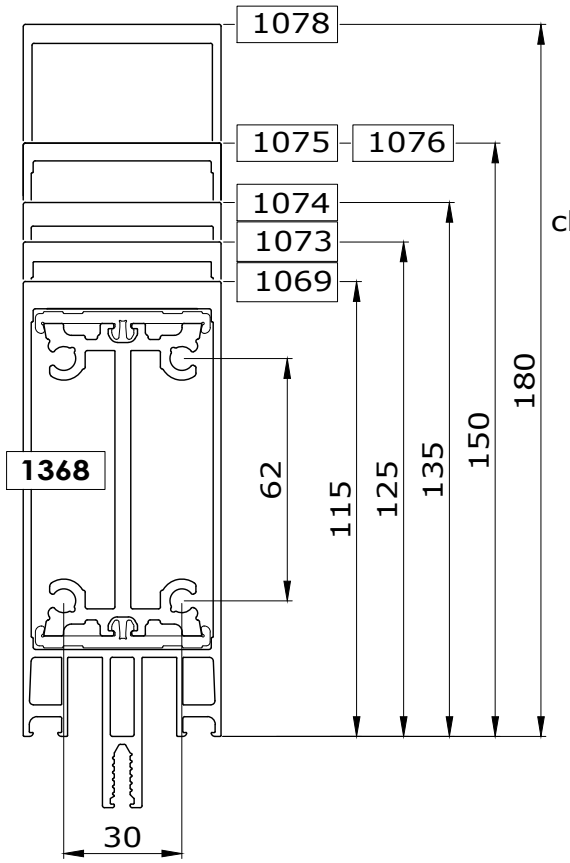
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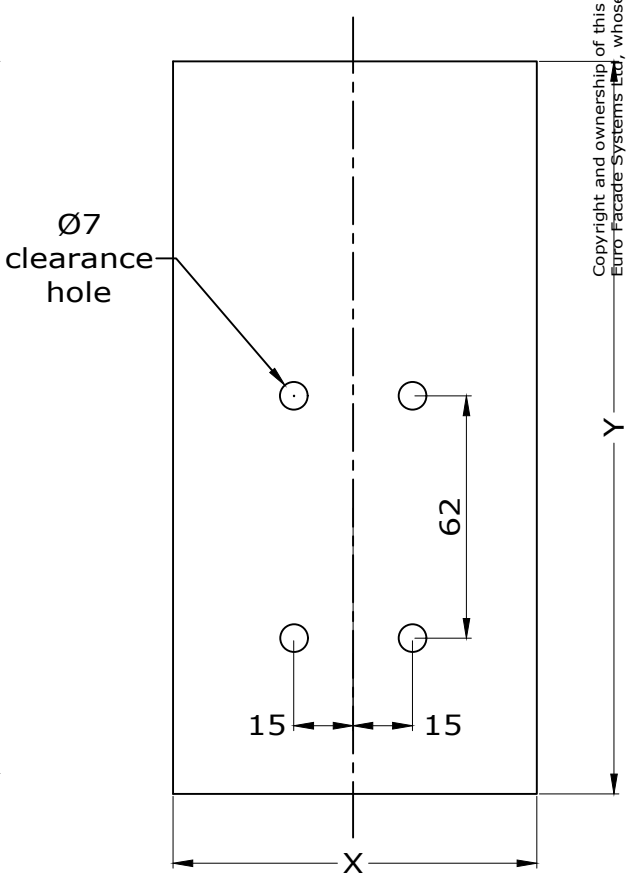
Comar 6EFT

Mullion Sleeve Plate
115mm(1069),125mm(1073)
135mm(1074),150mm(1075)
150mm(1076),180mm(1078)



6.14





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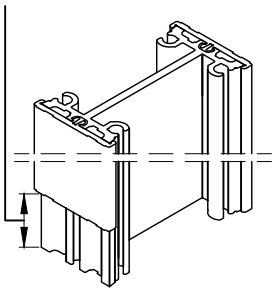
Fabricators Guide

Plate supplied by others

Use Ø6.3mm number 14 x 25mm self tapping screw, countersunk (supplied by others) or plate can be welded.

Length & width of plate and anchor bolts to be determined by site conditions and to structural engineers specification.

Front plastic cover cap cut back as needed to fit EPDM



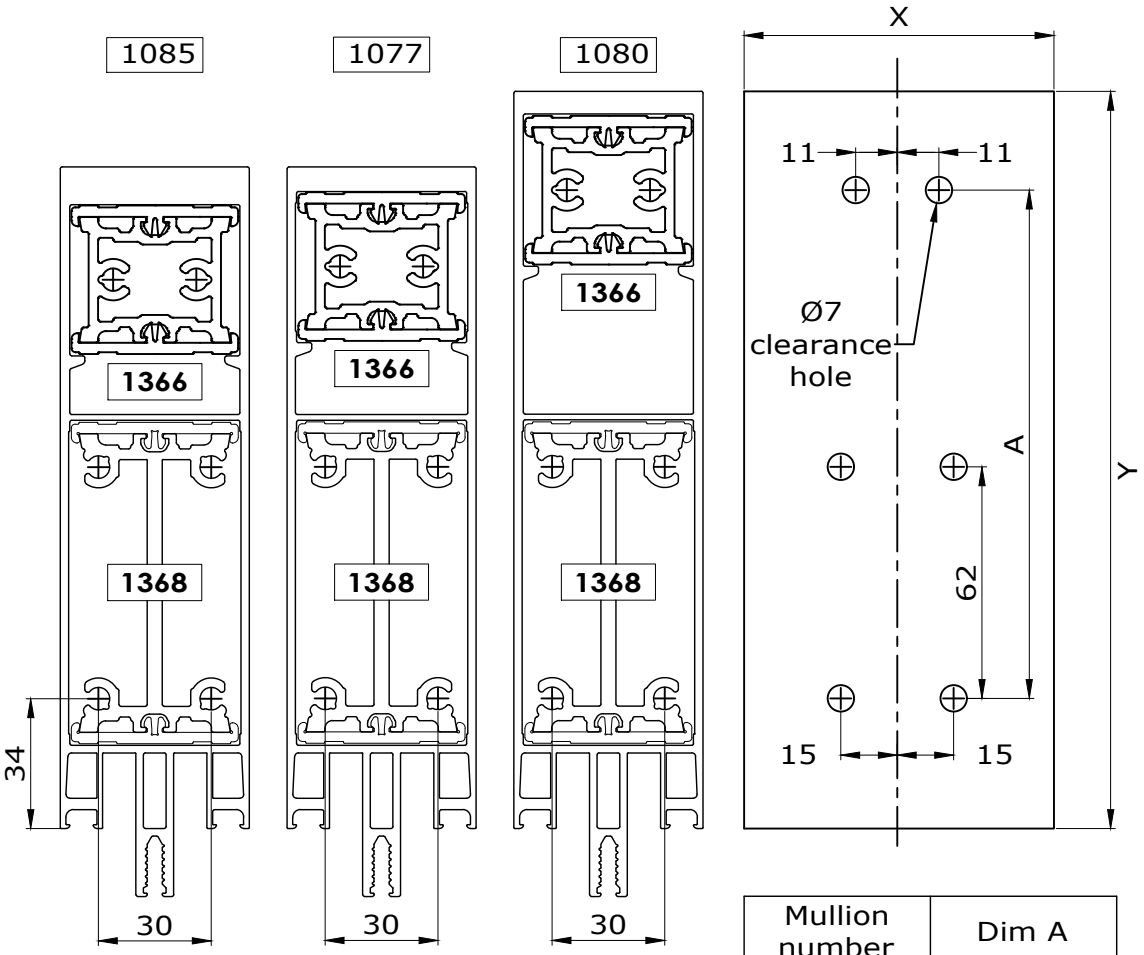
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Mullion sleeve plate
175mm (1085), 175mm (1077)
195 mm (1080)



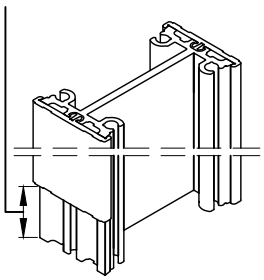
Mullion number	Dim A
1085	111
1077	114
1080	134

Plate supplied by others

Use Ø6.3mm number 14 x 25mm self tapping screw, countersunk (supplied by others) or plate can be welded.

Length & width of plate and anchor bolts to be determined by site conditions and to structural engineers specification.

Front plastic cover cap cut back as needed to fit EPDM



6.15

Fabricators Guide

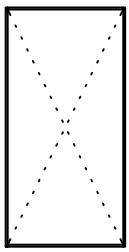
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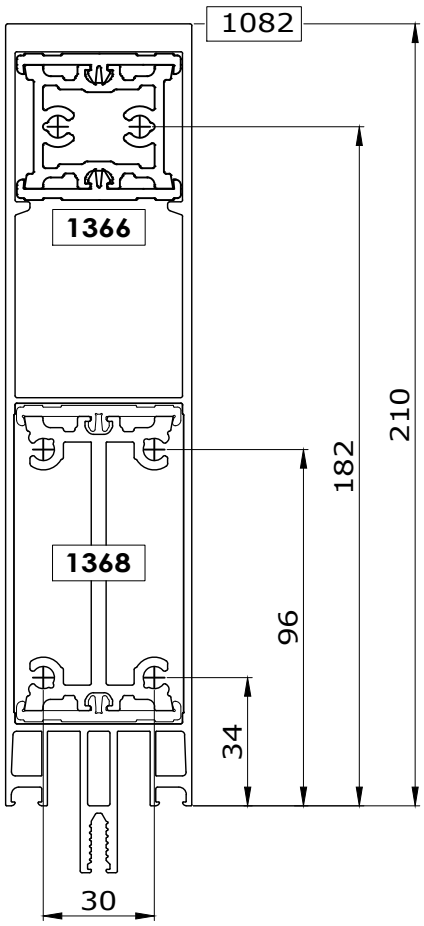
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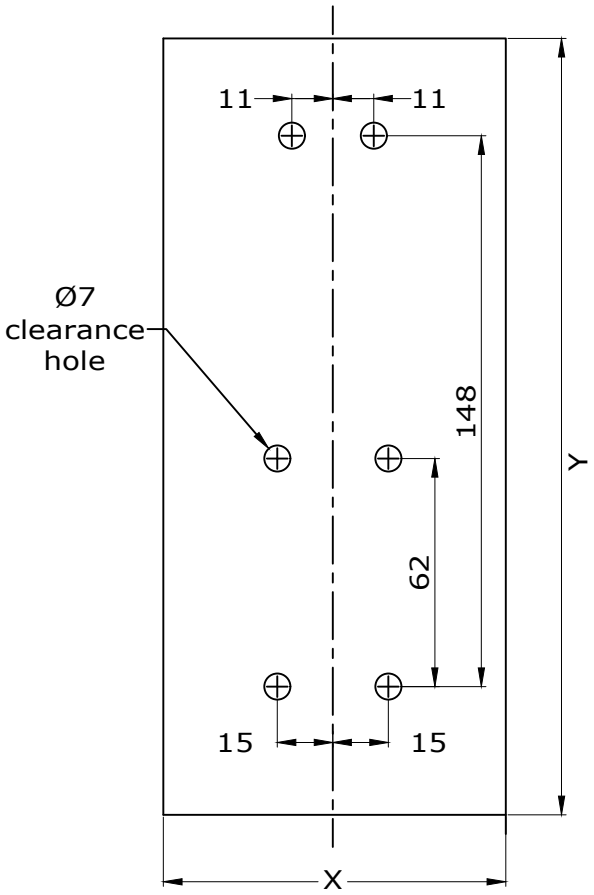
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Mullion sleeve plate 210 mm (1082)



6.16





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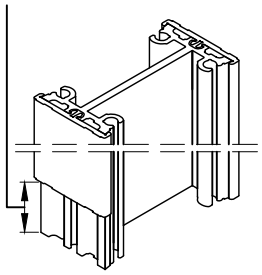
Fabricators Guide

5mm thick aluminium plate supplied by others

Use Ø6.3mm number 14 x 25mm self tapping screw, countersunk (supplied by others) or plate can be welded.

Length & width of plate and anchor bolts to be determined by site conditions and to structural engineers specification.

Front plastic cover cap cut back as needed to fit EPDM



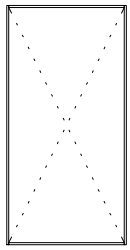
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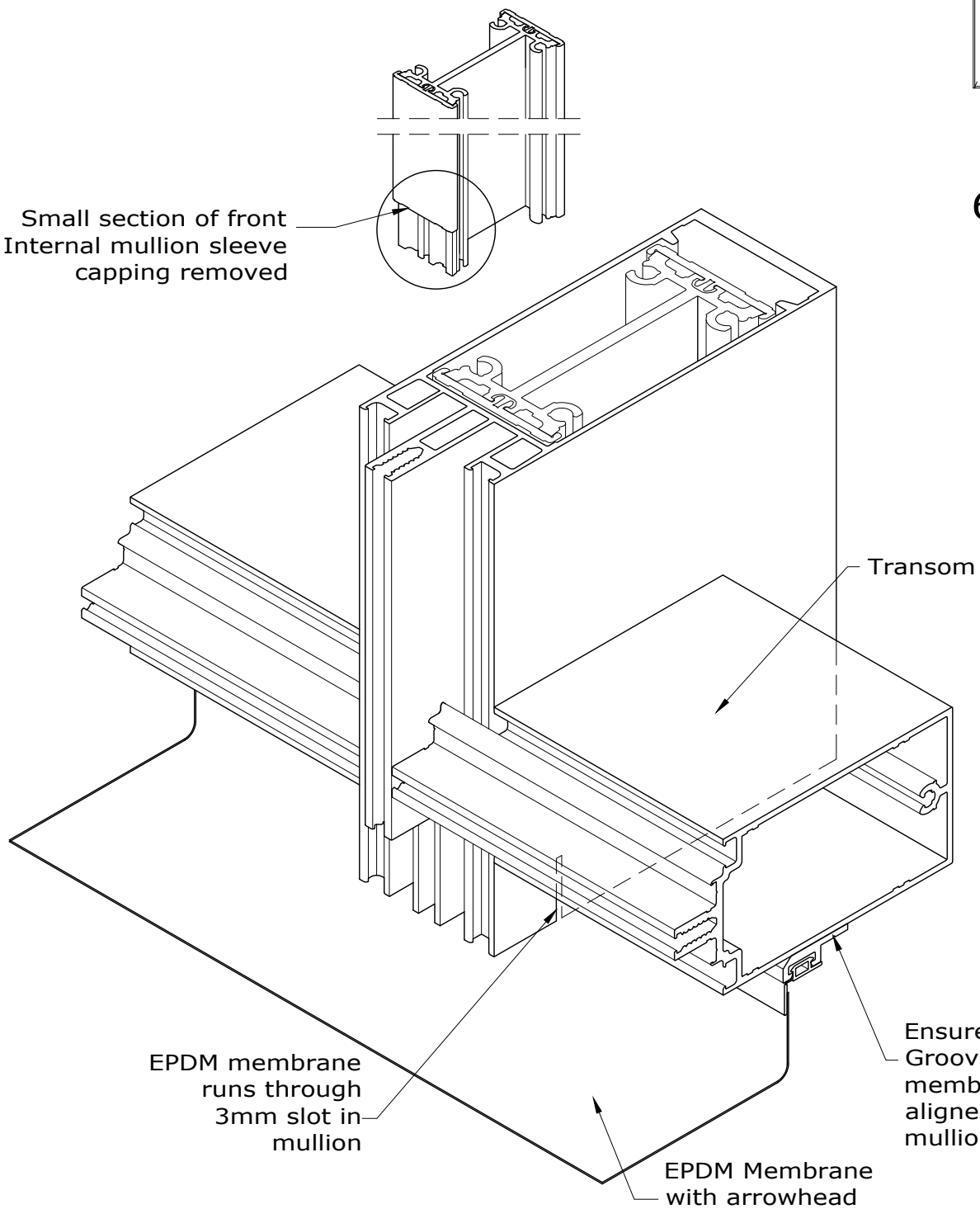
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EPDM membrame
Transom Sill, Head & Mullion preparation



6.17



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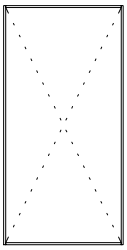
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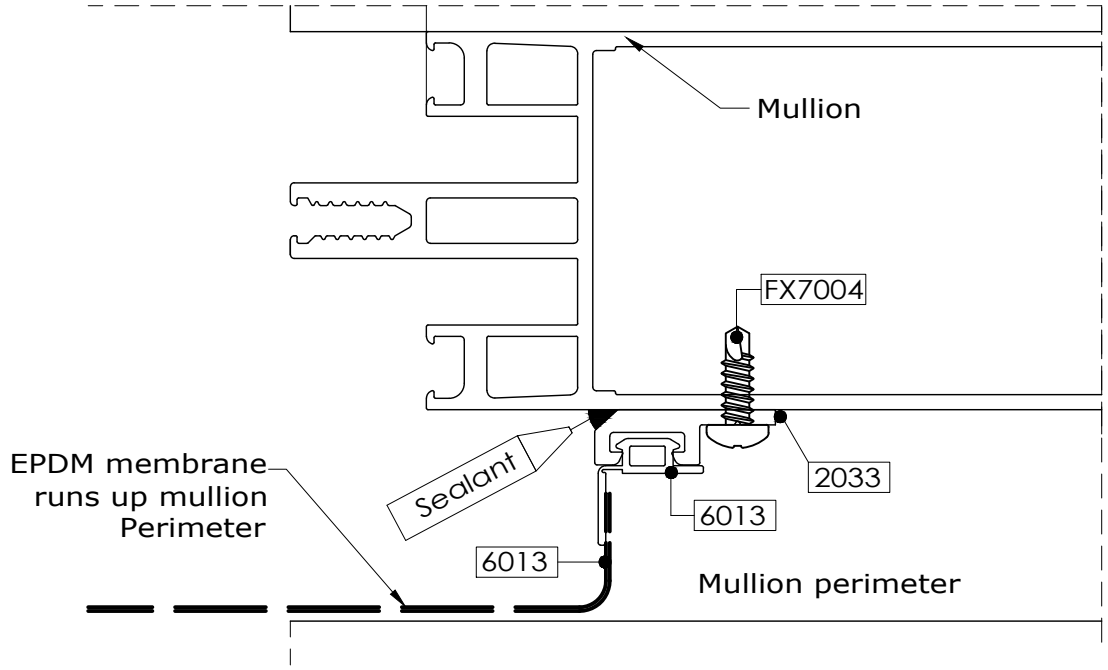
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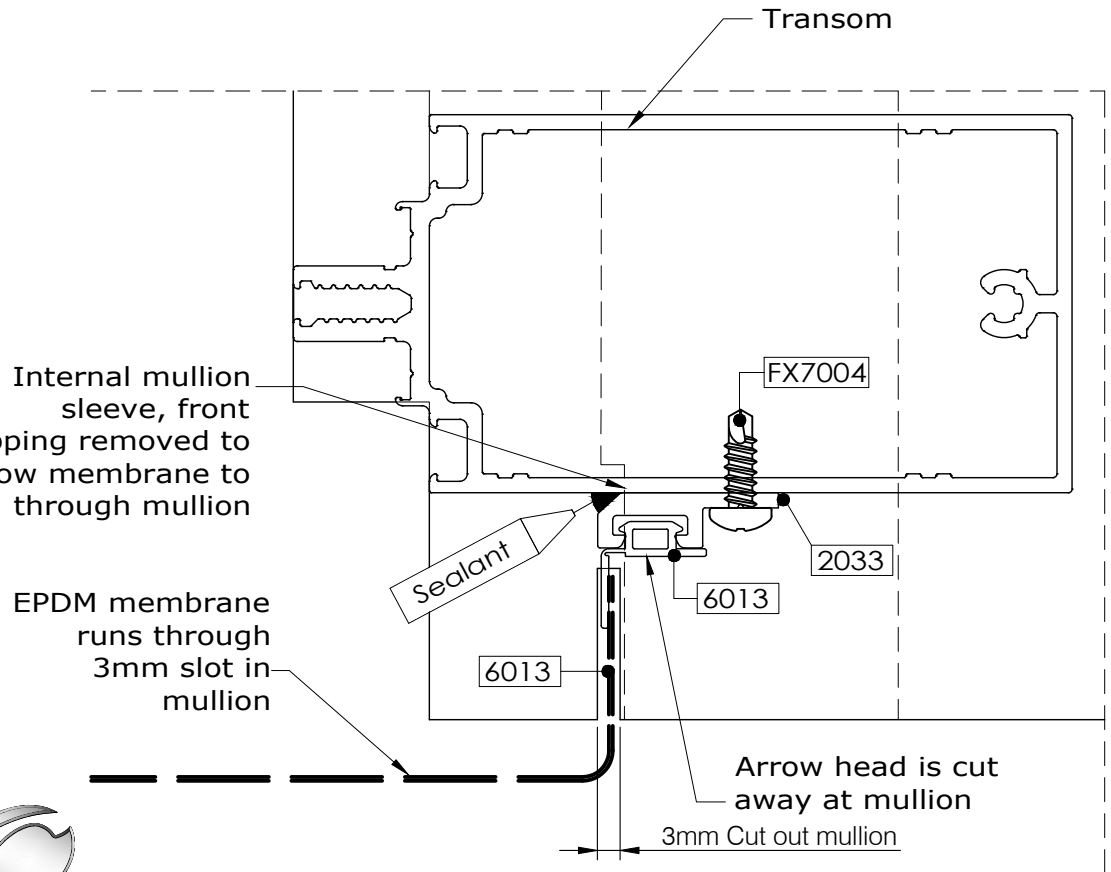
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EPDM membrame Curtain wall perimeter Preparation



6.18





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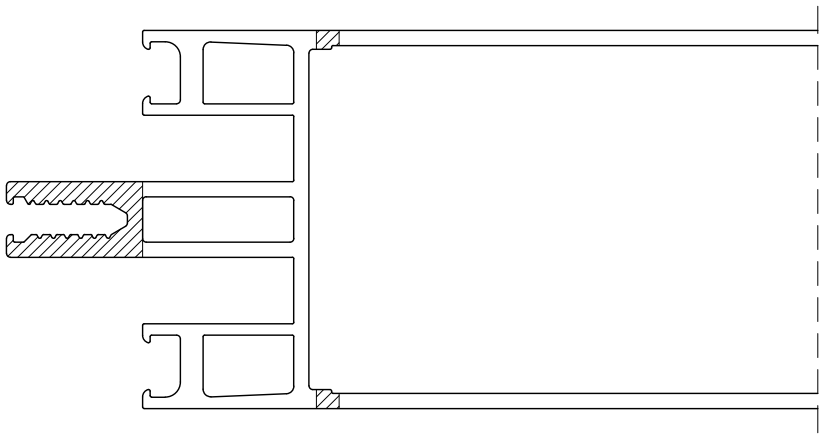
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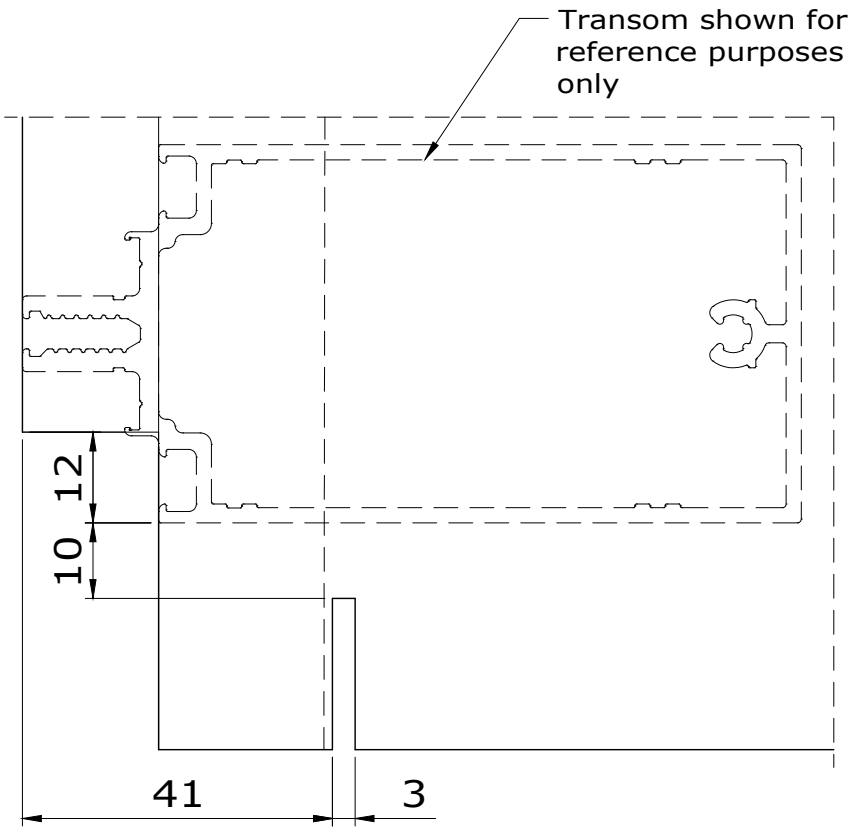
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EPDM membrame
Mullion preparation
Slot cutting details



6.19



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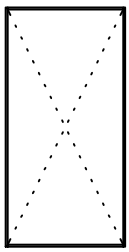
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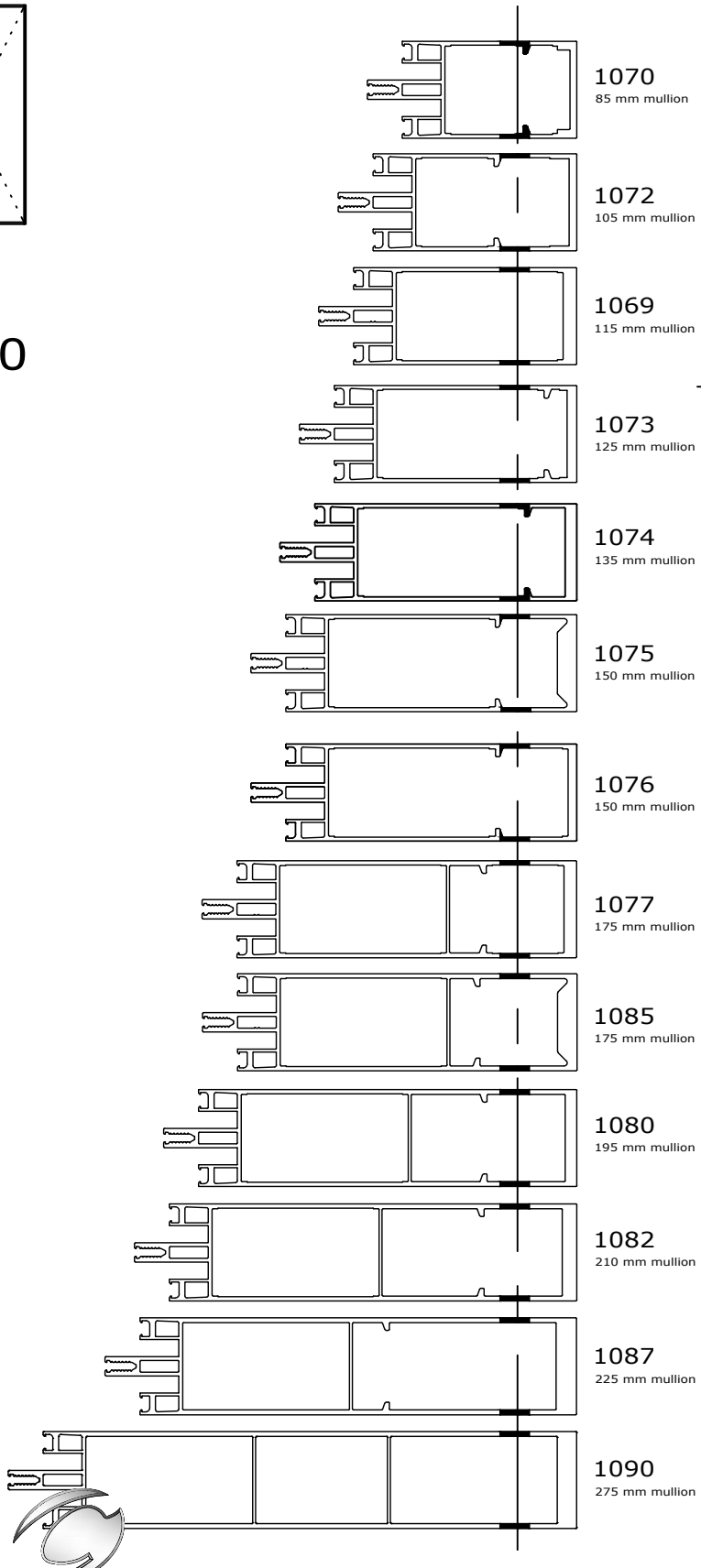
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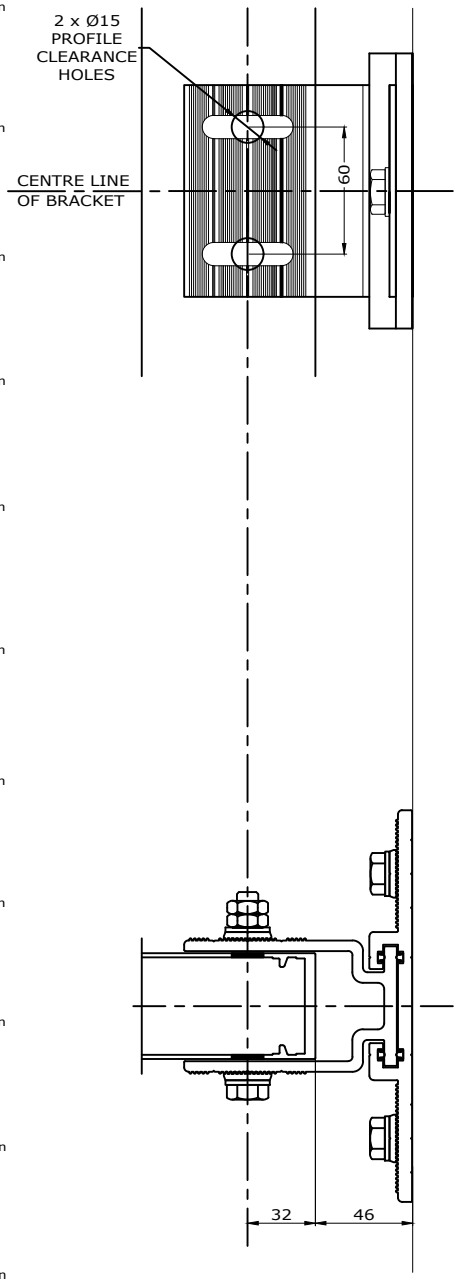
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Fixing bracket hole prep



6.20





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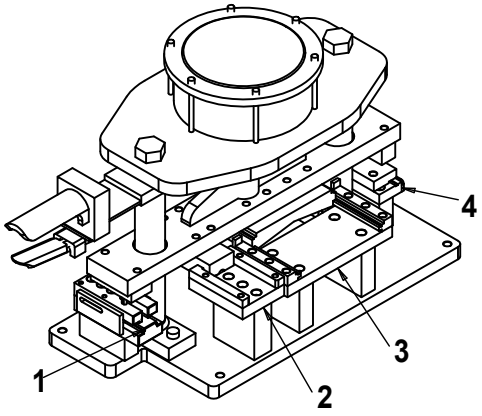
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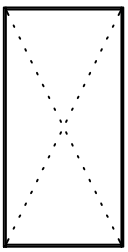
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Tooling

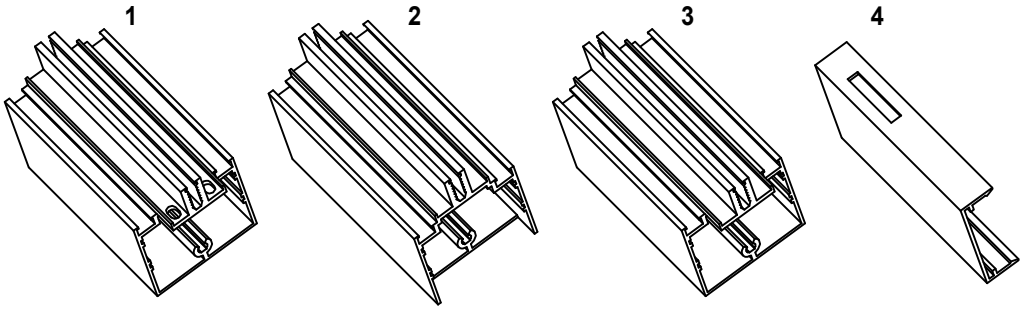


Preparations:
As per drawing 6.23

transom end notch

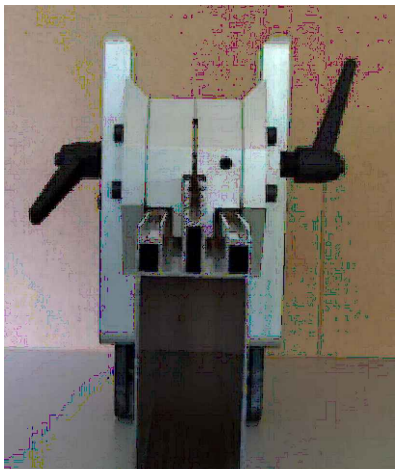


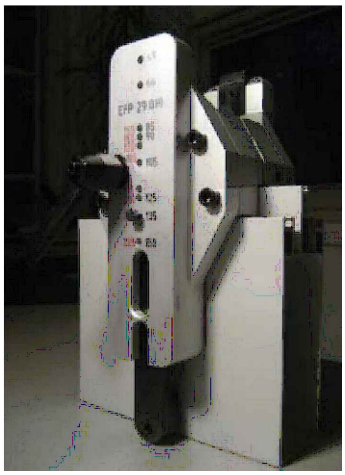
6.21



Tool: Pneumatic punch tool Com6-EFT-T13

Mullion - Transom connection





Tool: Com6-EFT-Jig 1

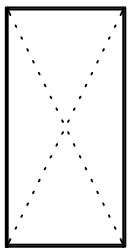
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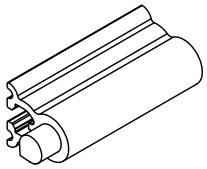
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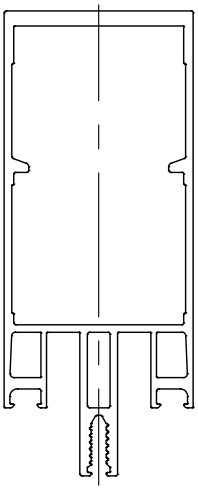
Mullion preparation



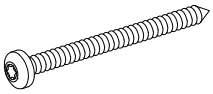
Transoms installed
in between ladders



EFT 2310

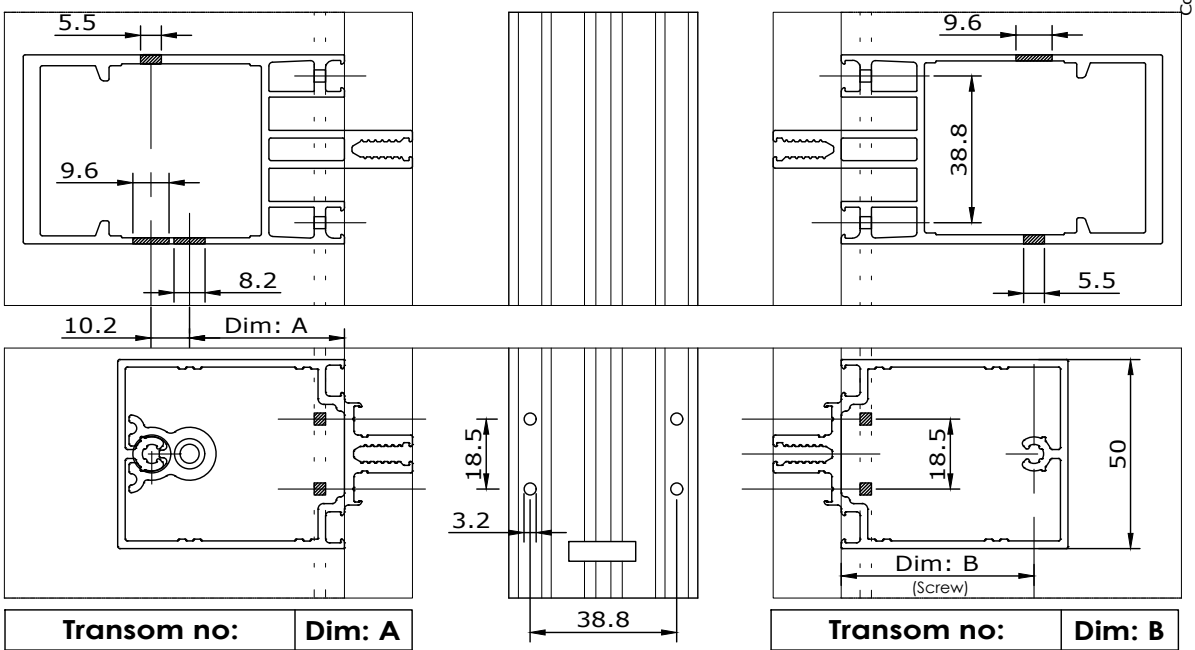


Ladder / unit



3022 (4.8 x 65)

6.22



Transom no:		Dim: A
EFT 1149	45 mm	25.2
EFT 1150	60 mm	40.2
EFT 1151	85 mm	65.2
EFT 1143	85 mm	65.0
EFT 1164	105 mm	85.0
EFT 1144	115 mm	95.0
EFT 1152	135 mm	115.0
EFT 1154	150 mm	130.0
EFT 1145	150 mm	130.0
EFT 1147	175 mm	155.0
EFT 1156	180 mm	160.0
EFT 1157	195 mm	175.0
EFT 1158	210 mm	180.0
EFT 1148	200 mm	190.0

Transom no:		Dim: B
EFT 1149	45 mm	35.4
EFT 1150	60 mm	50.4
EFT 1151	85 mm	75.4
EFT 1143	85 mm	75.2
EFT 1164	105 mm	95.2
EFT 1144	115 mm	105.2
EFT 1152	135 mm	125.2
EFT 1154	150 mm	140.2
EFT 1145	150 mm	140.2
EFT 1147	175 mm	165.2
EFT 1156	180 mm	170.2
EFT 1157	195 mm	185.2
EFT 1148	200 mm	190.2
EFT 1158	210 mm	200.2

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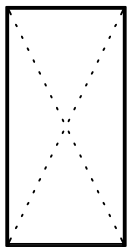
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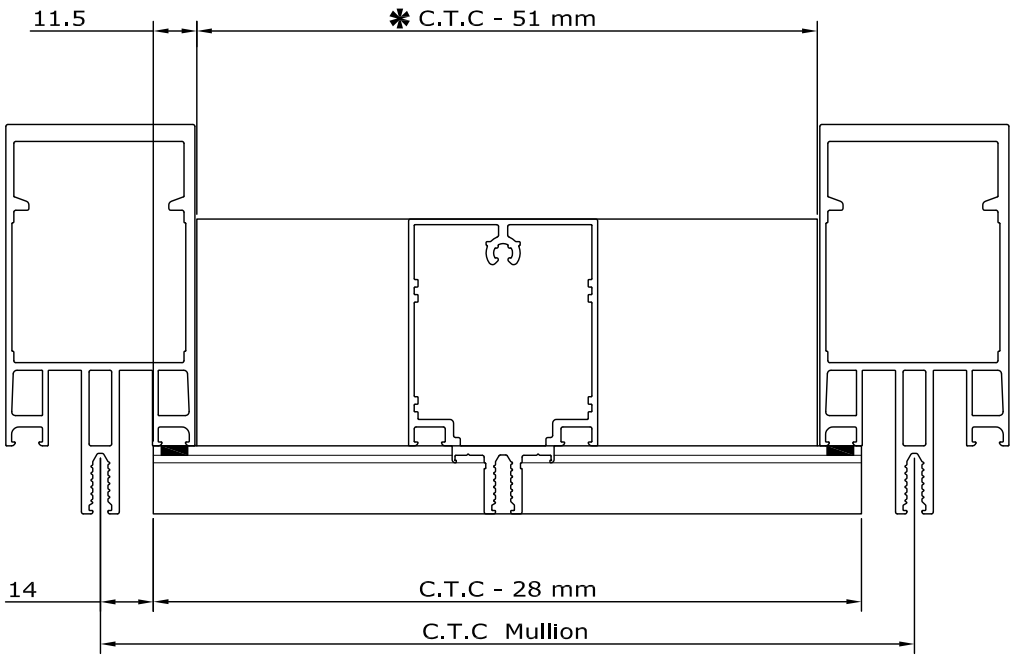
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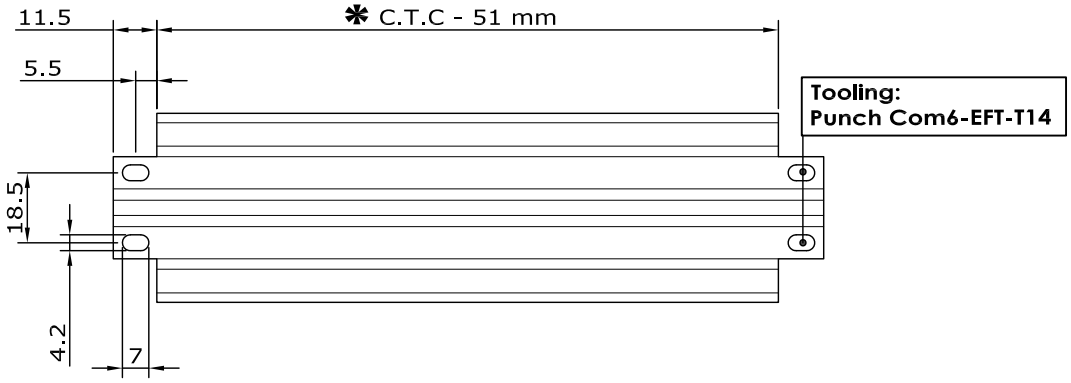
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Transom preparation



6.23





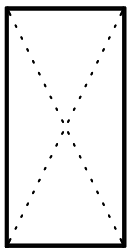
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✱ For pre-fabricated units use C.T.C-50mm (ladders)

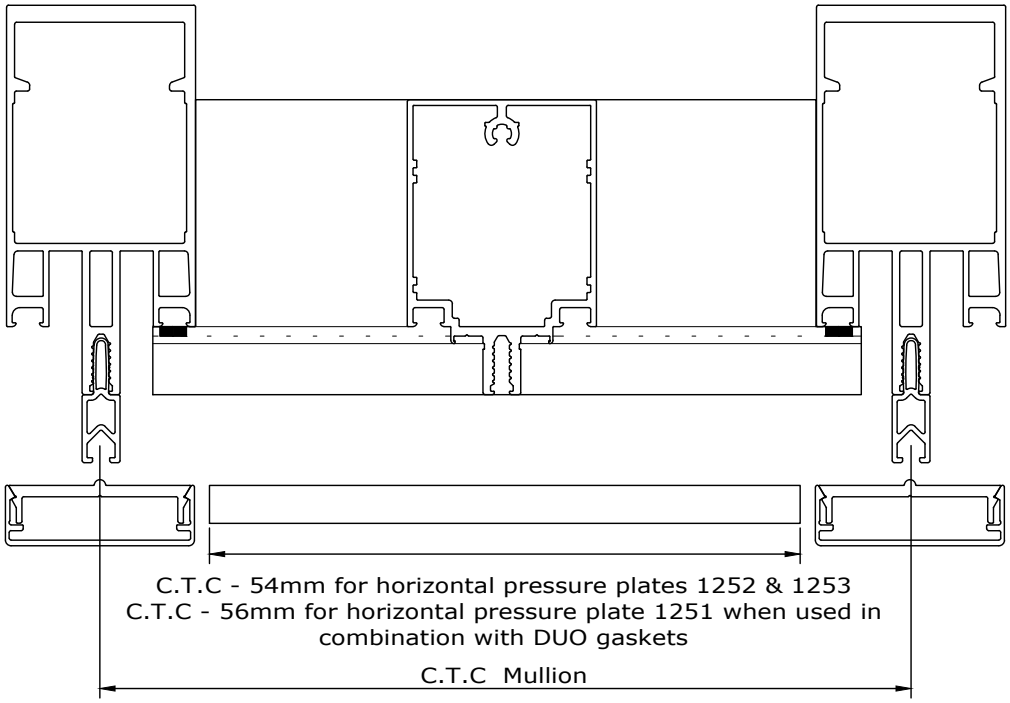
✱ For facetted transom preparation please contact Comar's technical department.

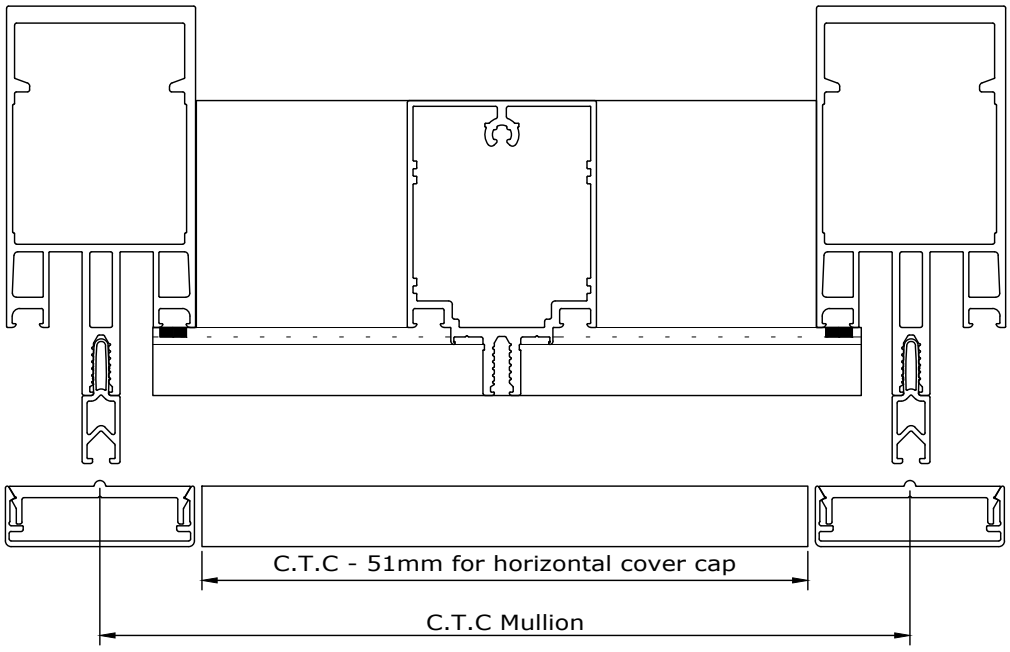
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Horizontal pressure plate & horizontal cover cap



6.24





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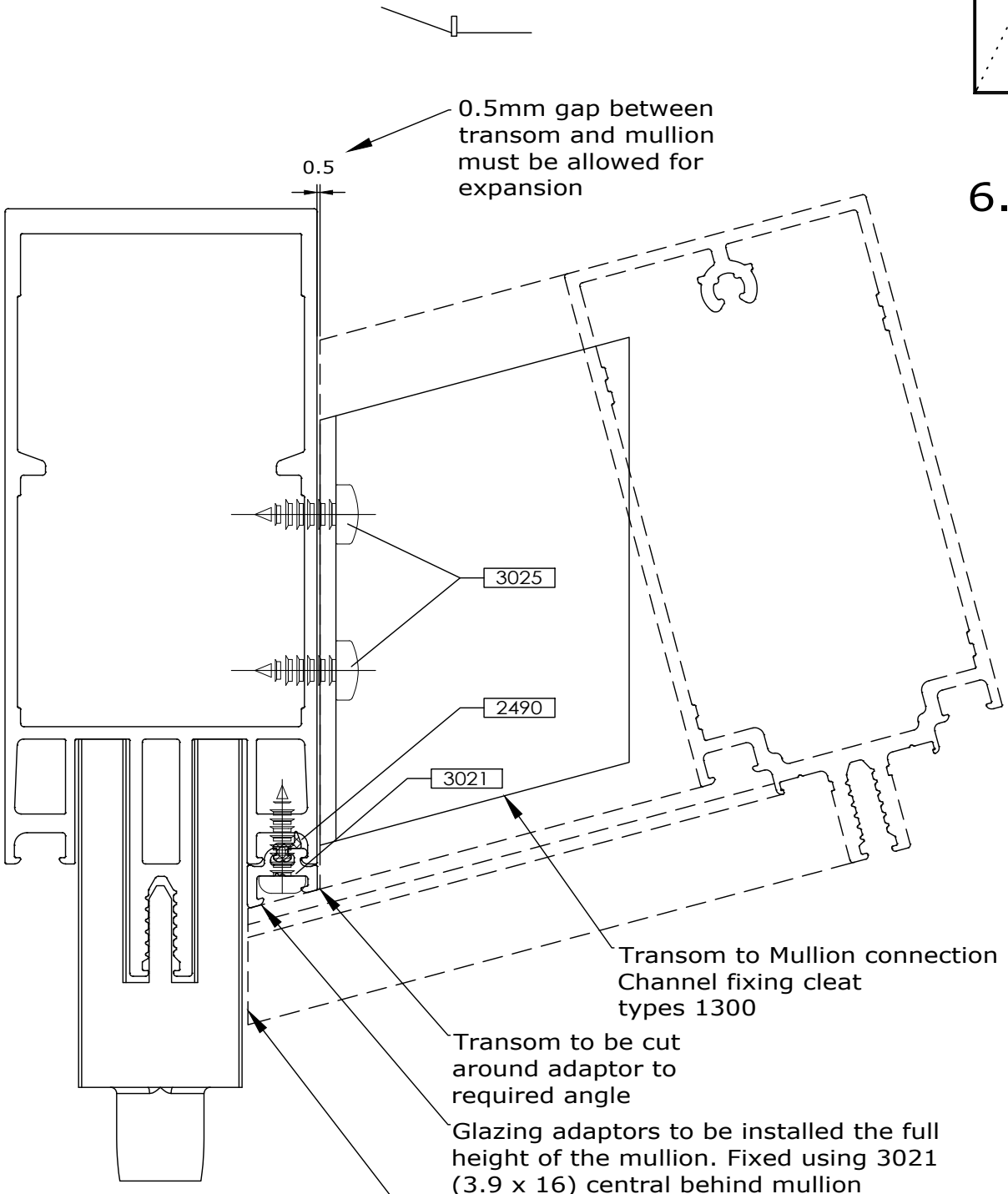
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Facetted transom preparation
External Corner



6.25

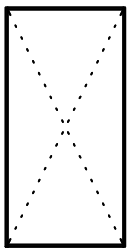
Fabricators Guide

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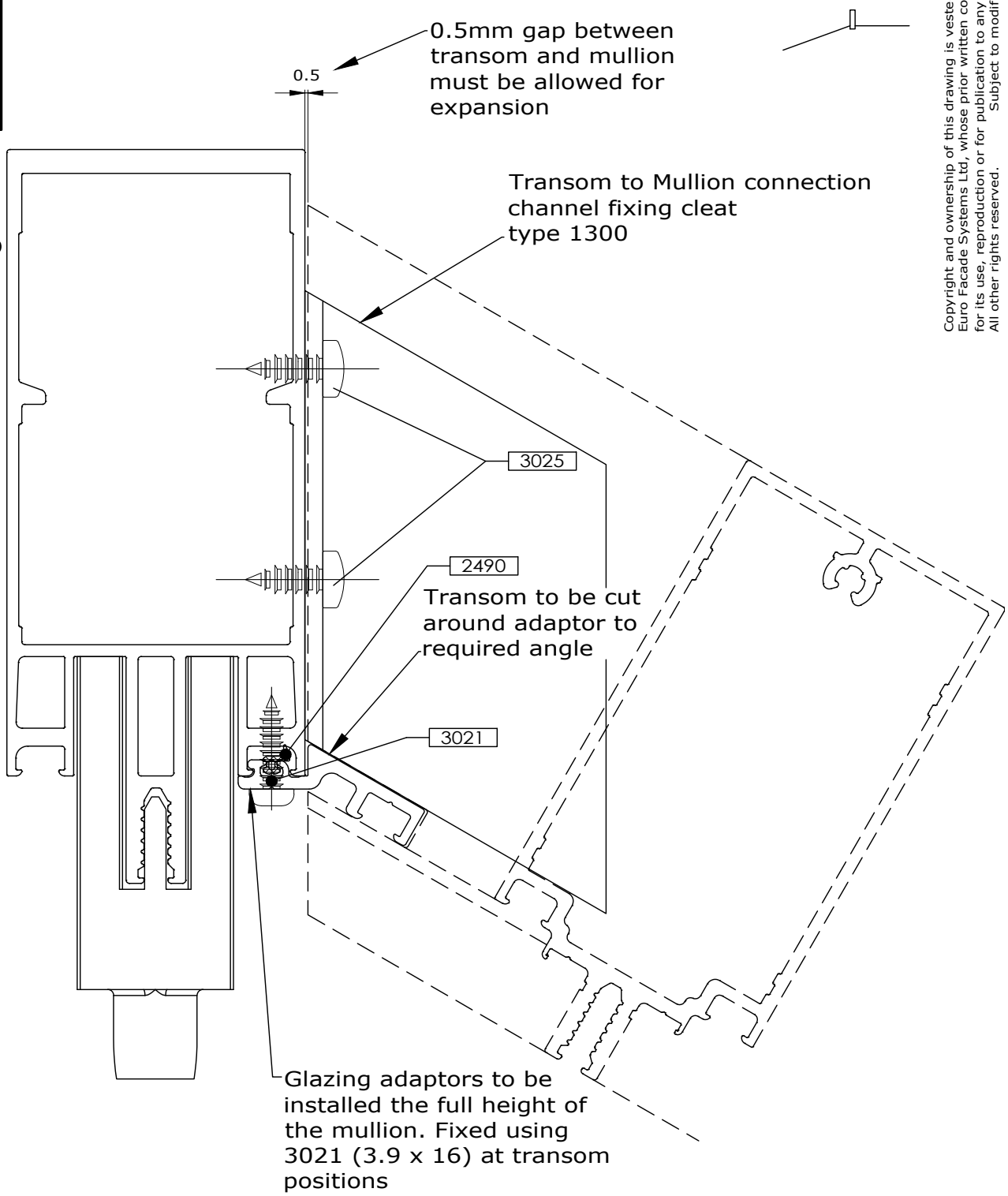
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Facetted transom preparation Internal Corner



6.26



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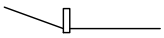
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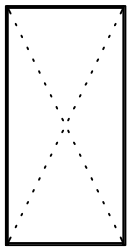
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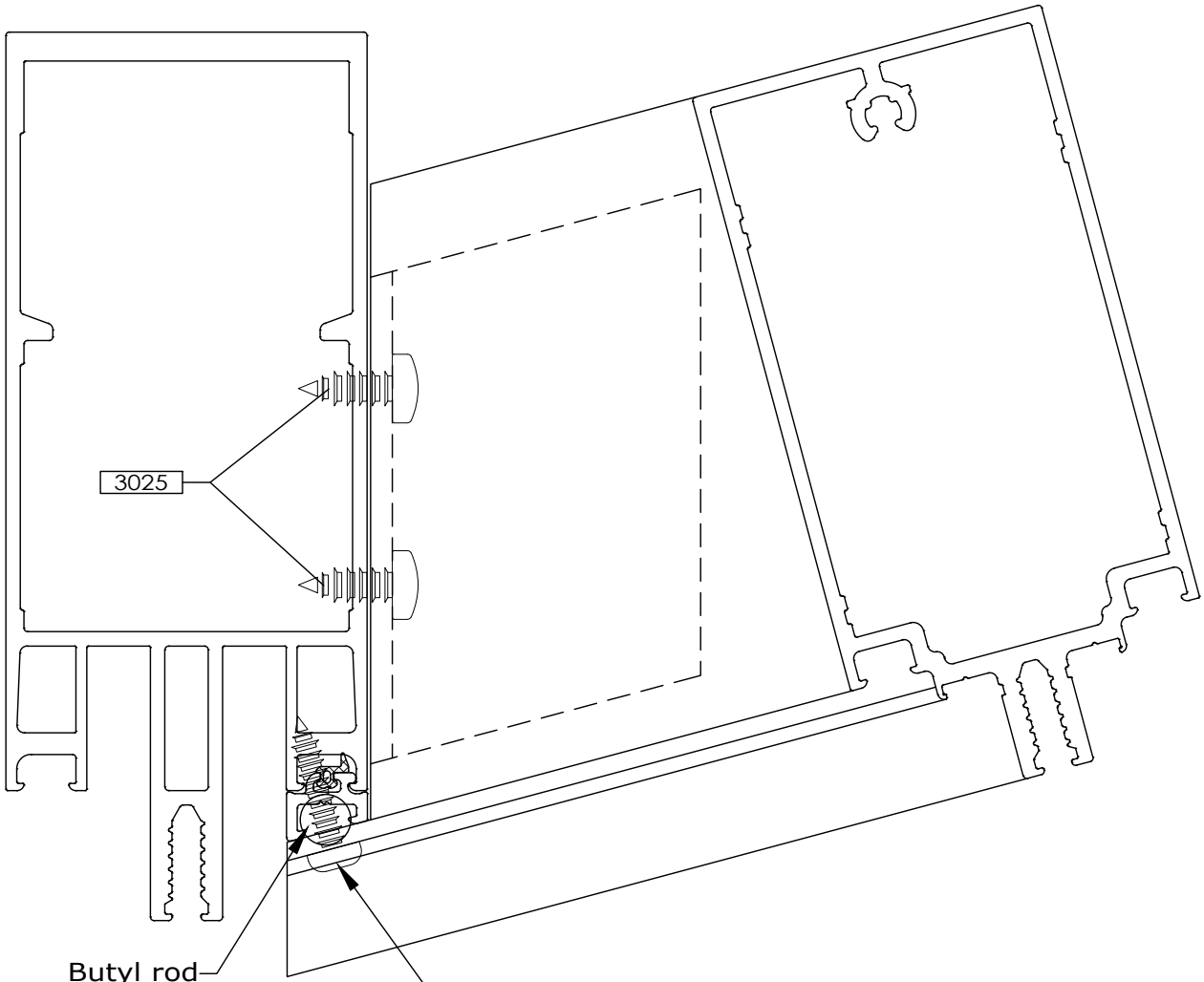
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Fixing facatted transoms
External Corner





6.27



Butyl rod
Ø7 for 15° or less
Ø8 for above 15°
2No x 10mm in length
(supplied by others)

2 x Screw 3027 (3.9x19) must be used for facetted transoms using adaptors 1331, 1332, 1333 and 1334

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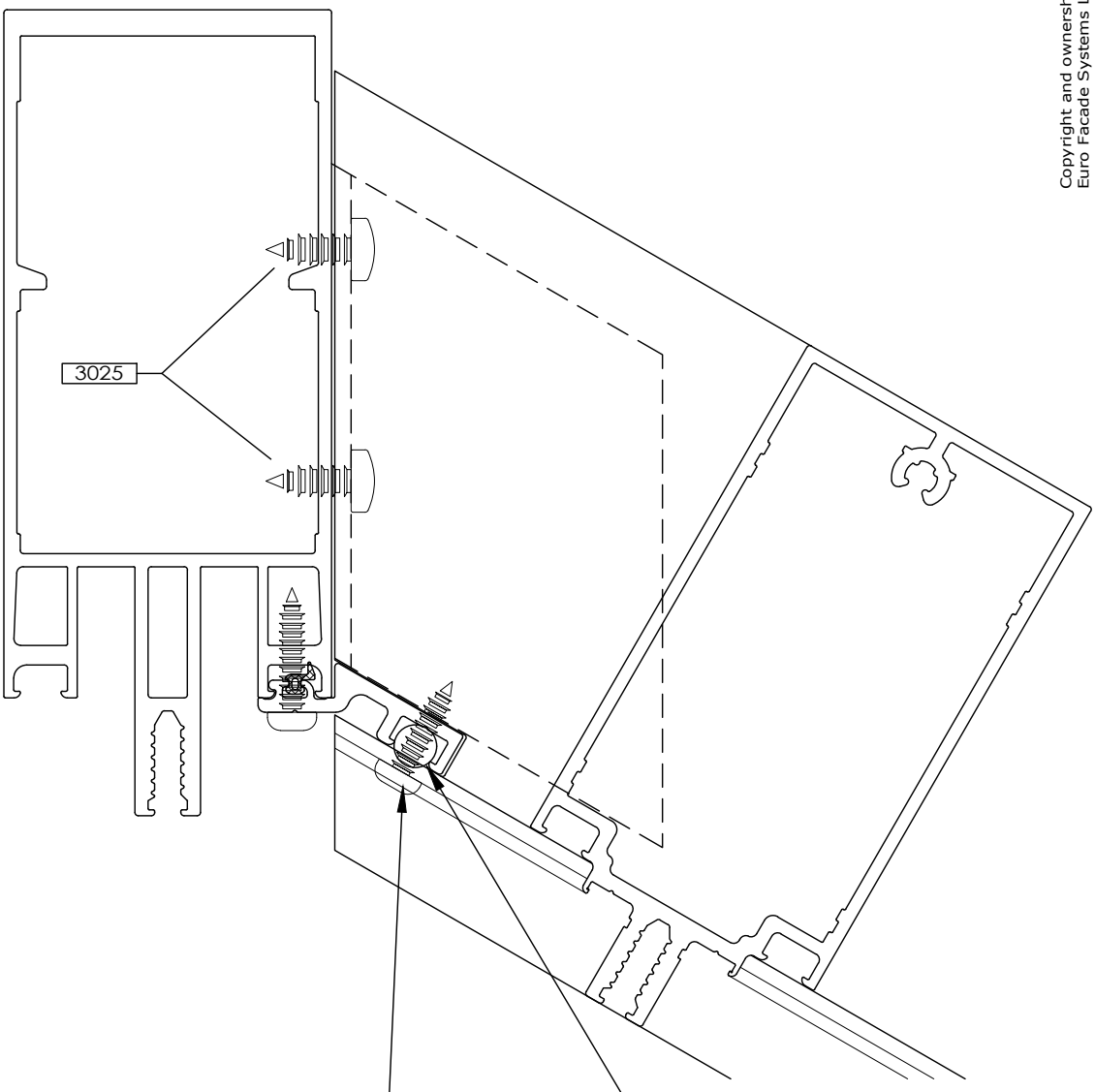
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Comar 6EFT

Fixing facetted transoms Internal Corner

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6.28



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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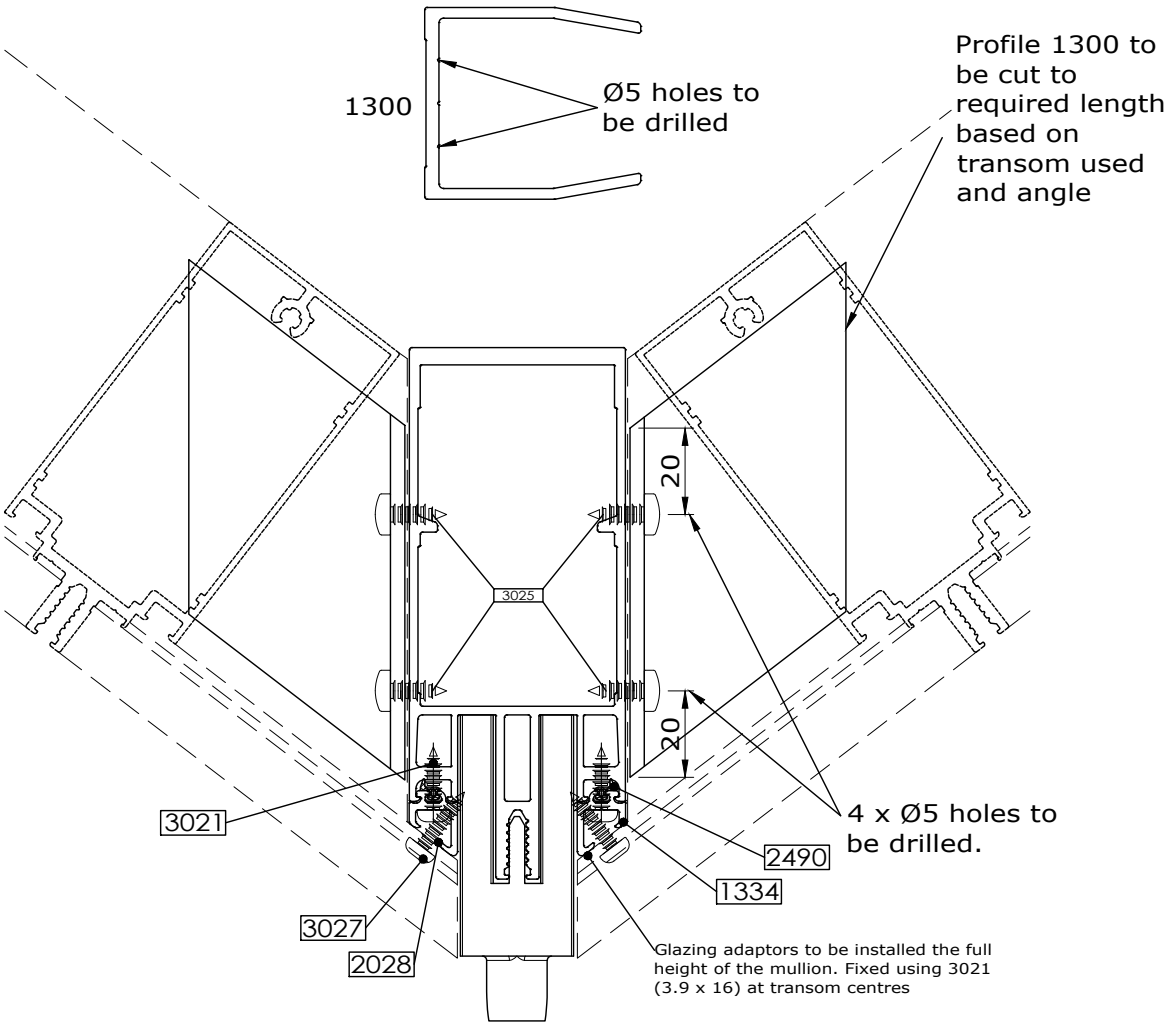
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Facatted transom cleat preparation

Any facetted 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.

6.29



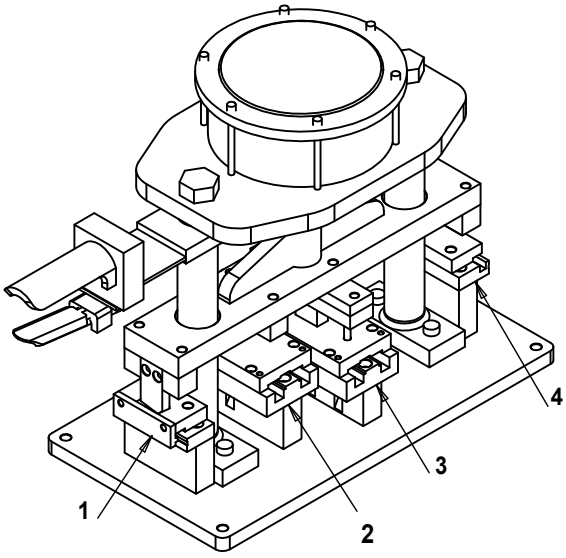
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Tooling

6.30



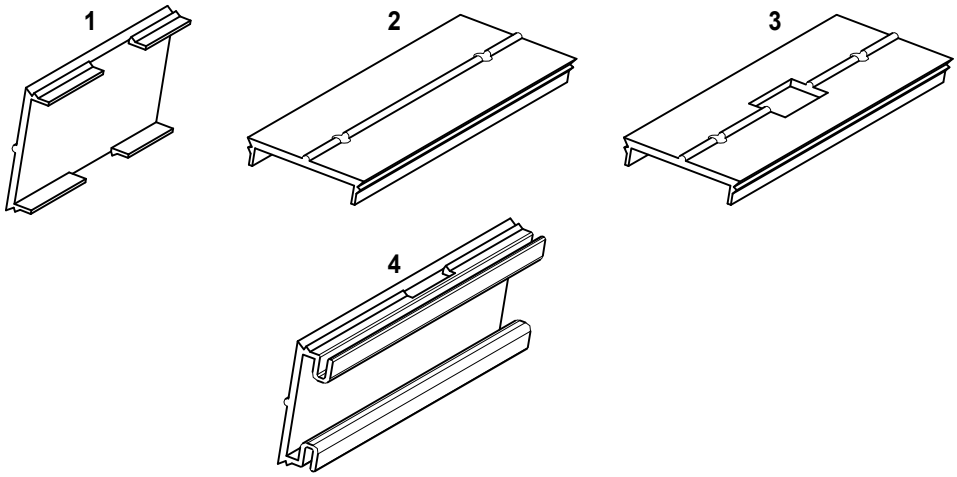
Preparations:
As per drawings: 6.31 & 6.36

* **Pressure plate fixing holes**
* **Pressure plate drainage slots**
* **Cover cap drainage slots**
* **Transom slots (mullion - transom connection)**

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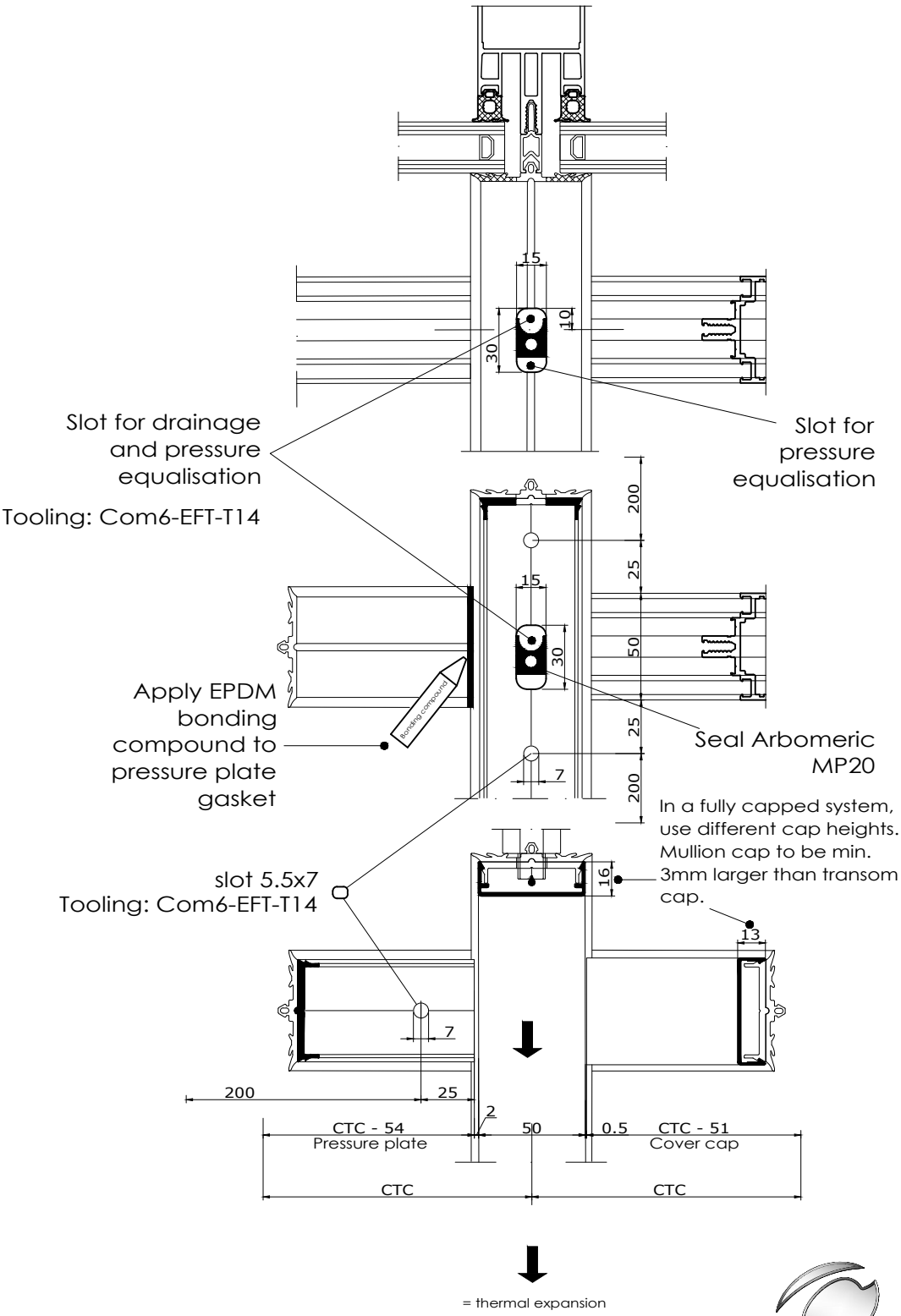
Tool: Pneumatic punch tool Com6-EFT-T14



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Single gasket installation



6.31

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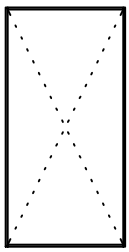
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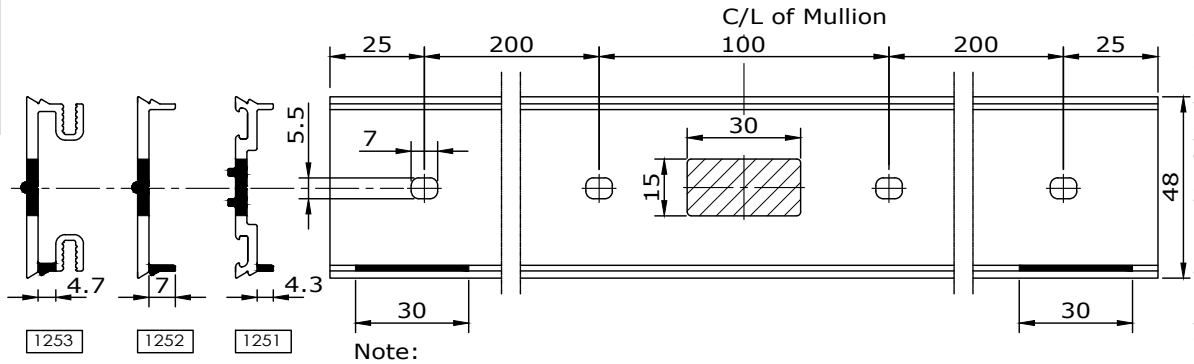
Comar 6EFT

Tooling:
Punch Com6-EFT-T14



6.32

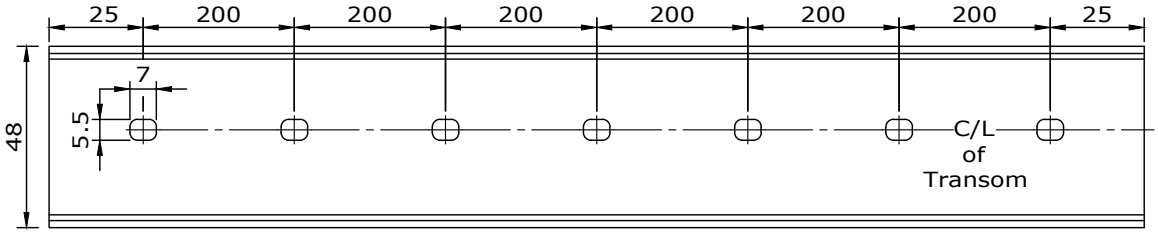
1A. Drainage slots & fixing holes Transom Pressure Plates
2sided SGH (Two Sided Structural Glazed Horizontal)



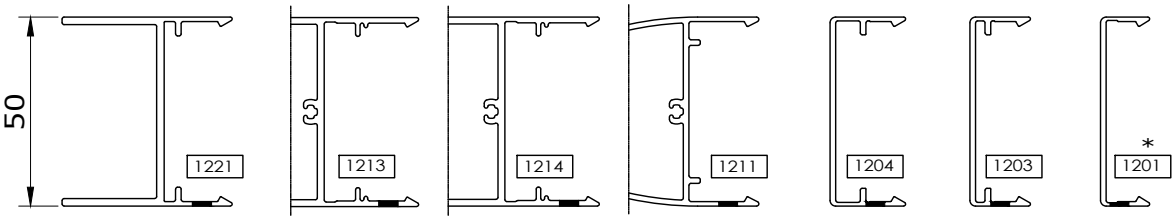
Note:
Fixing holes to be 25mm from edge and 200mm maximum centres.
Drainage slots to bottom of pressure plate to be 600mm cts. max.
30x15 drainage slot required at C/L of mullion positions.

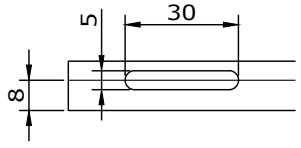
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1B. Fixing holes Transom Pressure Plates
Curtain Walling (Fully Capped Curtain Walling)



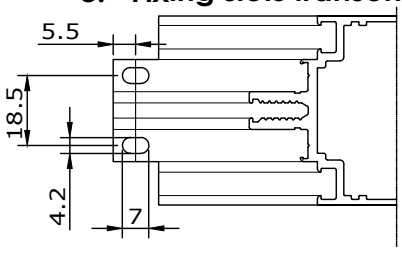
2. Drainage slots Transom Cover Caps
2sided SGH (Two Sided Structural Glazed Horizontal)





* Note: To punch drainage slots in profie 1201, a plate must be unscrewed from the Punch tooling which will allow the profile to be positioned correctly

3. Fixing slots transom



Fabricators Guide

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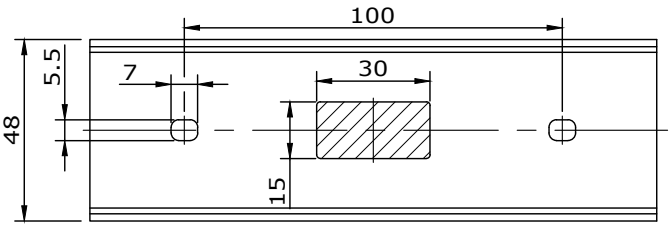
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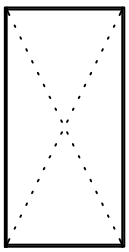
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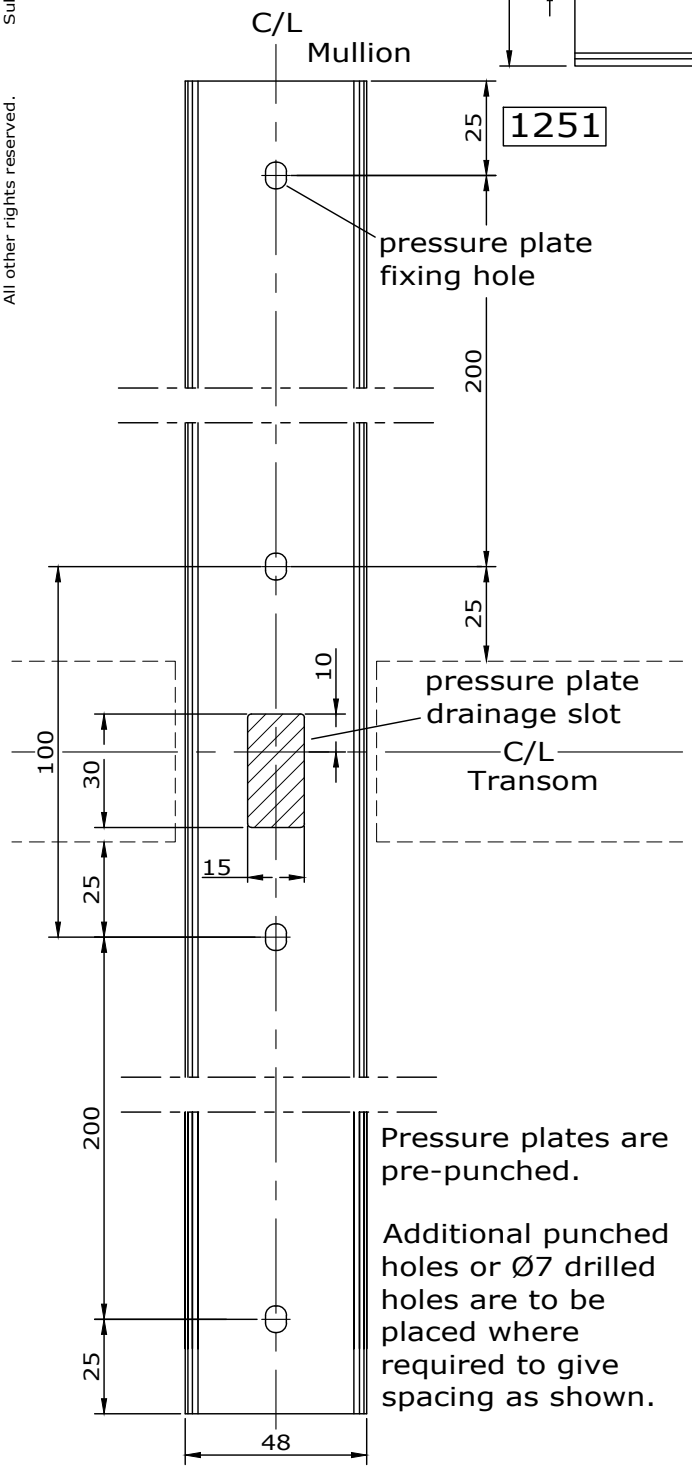
Tooling:
Punch Com 6-EFT-T14

Drainage slots & fixing holes
Mullion Pressure Plates
2sided SGV
Fully Capped Curtain Walling



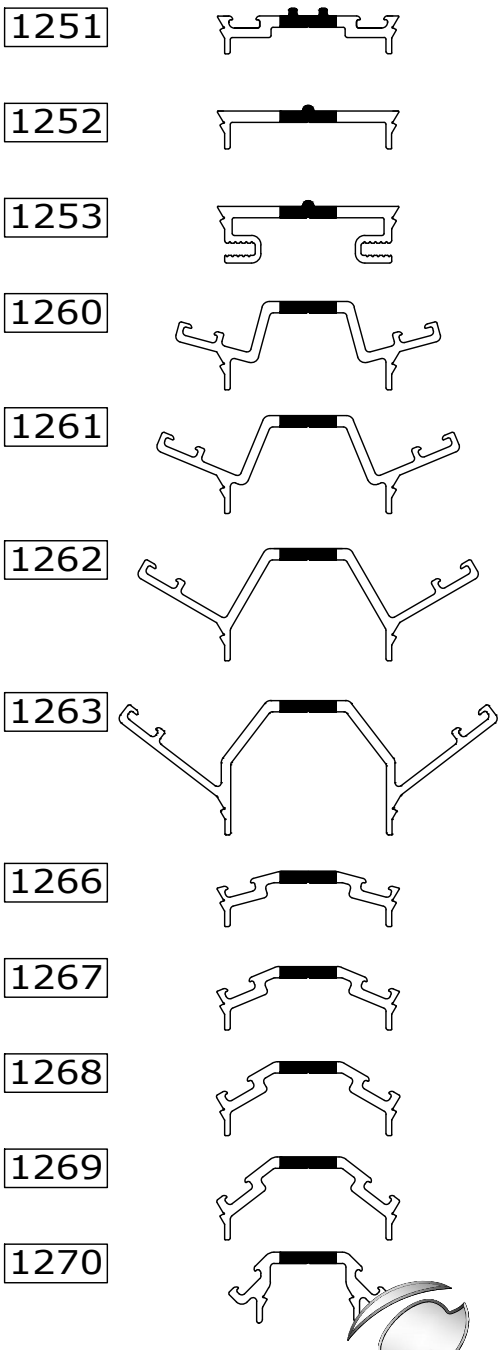
(Rotated detail)





Pressure plates are pre-punched.

Additional punched holes or Ø7 drilled holes are to be placed where required to give spacing as shown.



6.33

Fabricators Guide

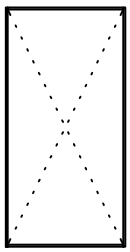
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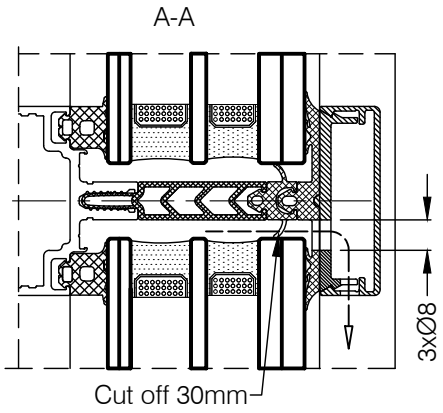
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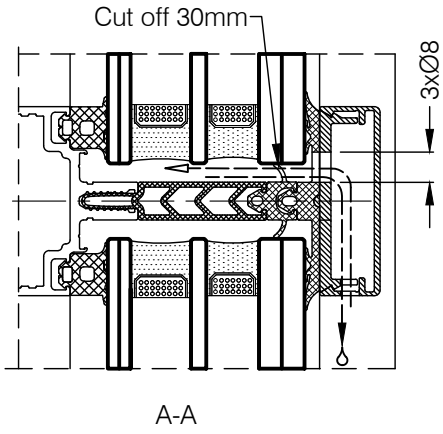
Comar 6EFT

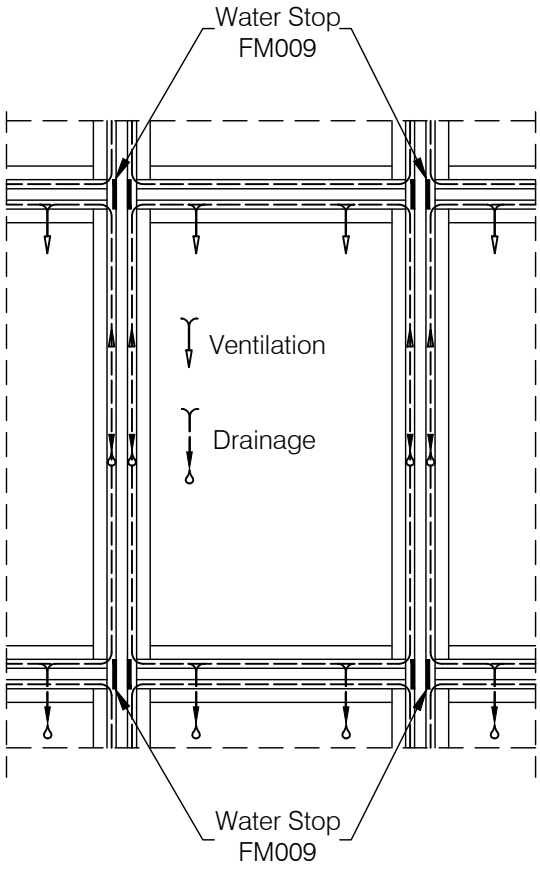
Drainage & Ventilation by Individual Window

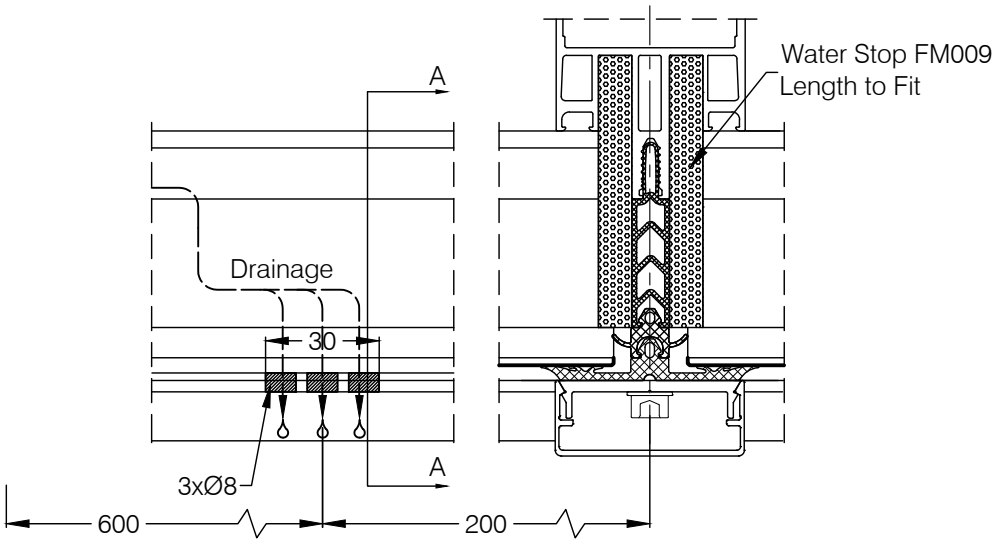


6.34









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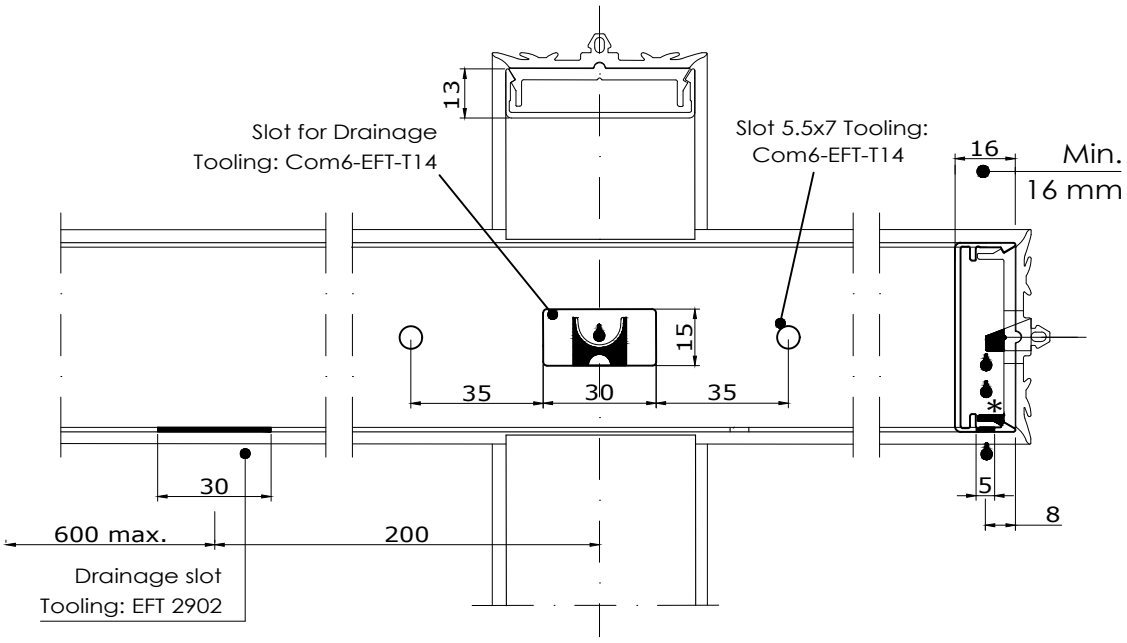
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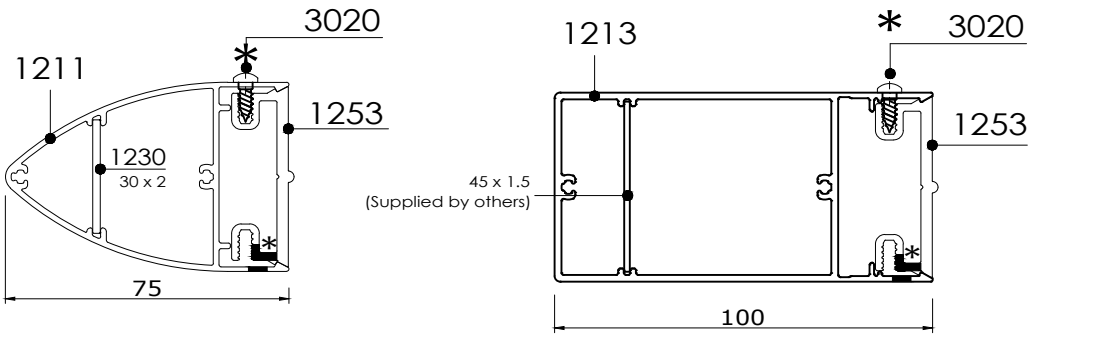
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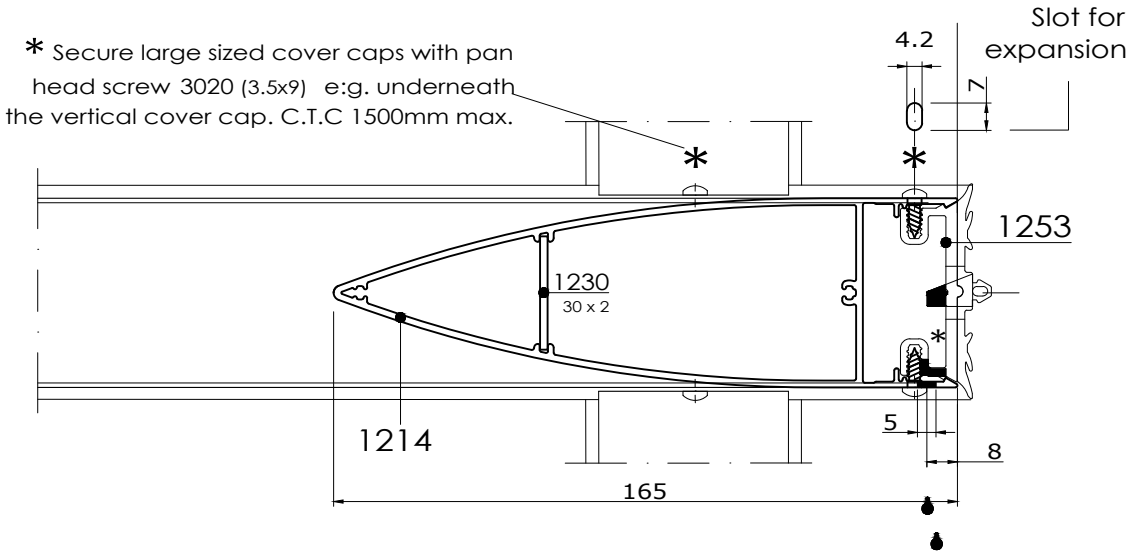
Draining horizontal



6.35

FIXING LARGE COVER CAPS





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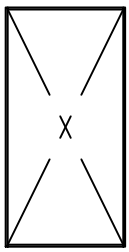
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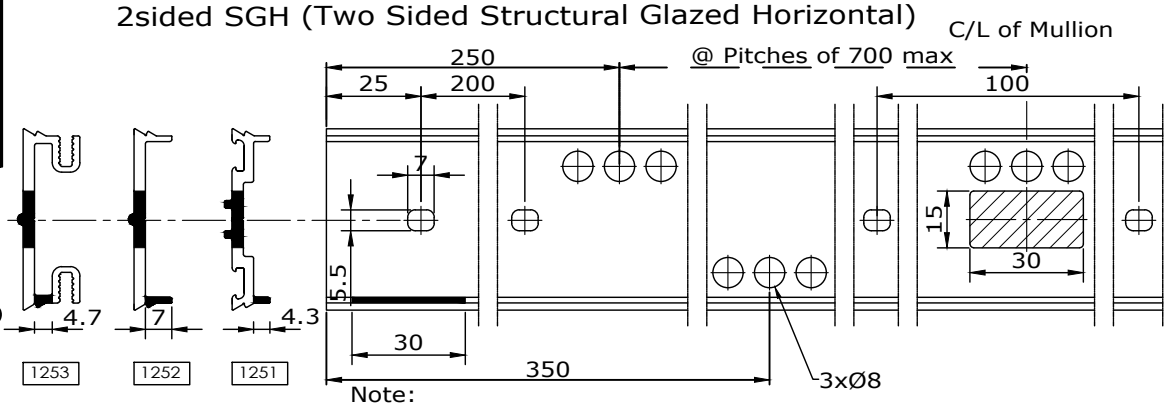
Comar 6EFT

Tooling:
Punch Com6-EFT-T14



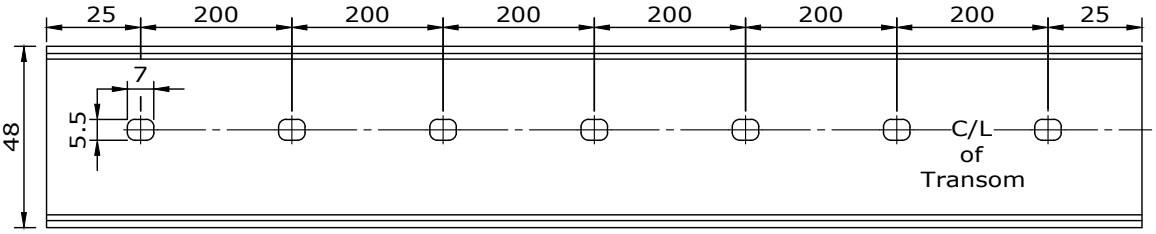
6.36

1A. Drainage slots & fixing holes Transom Pressure Plates 2sided SGH (Two Sided Structural Glazed Horizontal)

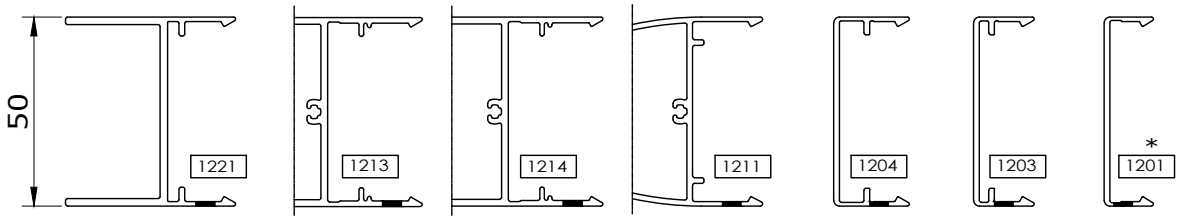


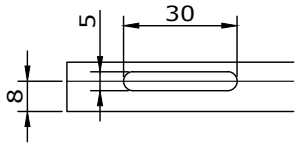
Note:
Fixing holes to be 25mm from edge and 200mm maximum centres.
Drainage slots to bottom of pressure plate to be 600mm cts. max.
30x15 drainage slot required at C/L of mullion positions.

1B. Fixing holes Transom Pressure Plates Curtain Walling (Fully Capped Curtain Walling)



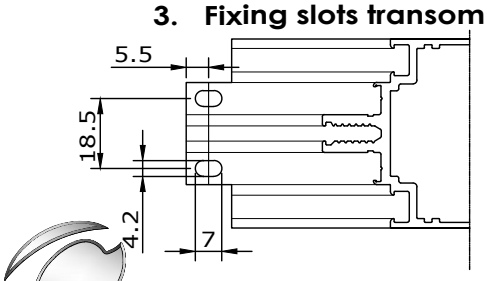
2. Drainage slots Transom Cover Caps 2sided SGH (Two Sided Structural Glazed Horizontal)





* Note: To punch drainage slots in profie 1201, a plate must be unscrewed from the Punch tooling which will allow the profile to be positioned correctly

3. Fixing slots transom

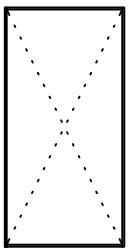


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Panel & Single glazed frames



Profiles 1335 & 1346 to be cut to same dimensions as glass or panel

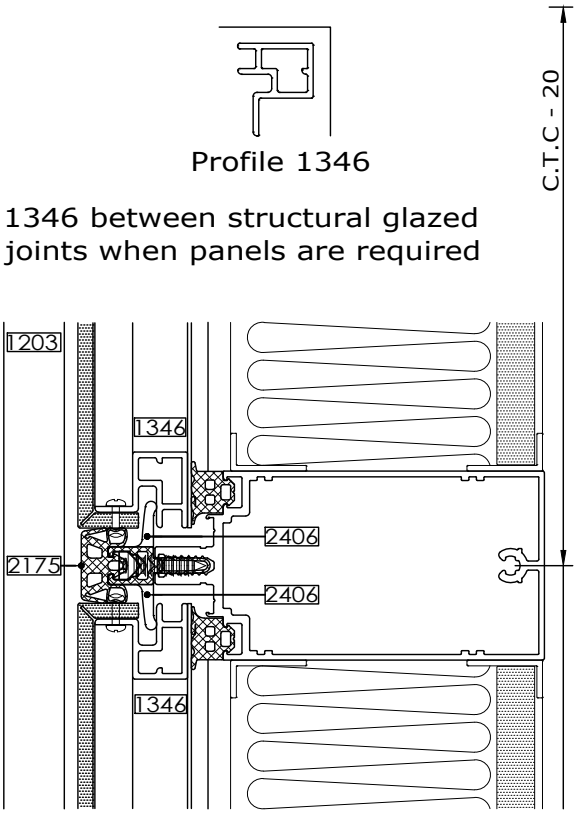
Between capped mullions/transoms: C.T.C - 22

Between structural glazing mullions/transoms: C.T.C - 20

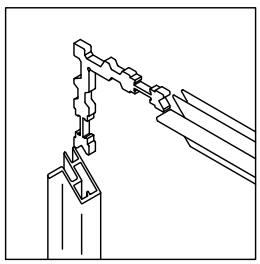
6.37

Profile 1346

1346 between structural glazed joints when panels are required



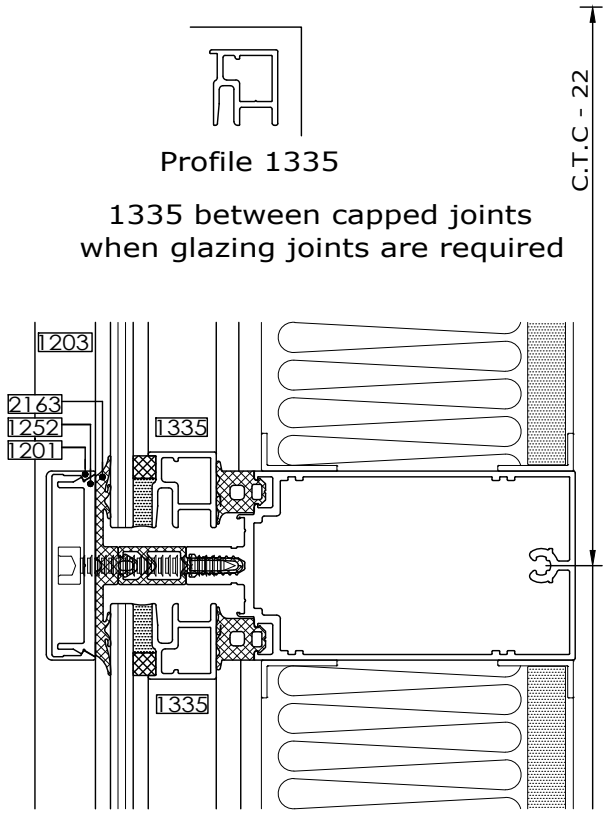
EFT - 2539 Corner Cleat
EFT - 1346



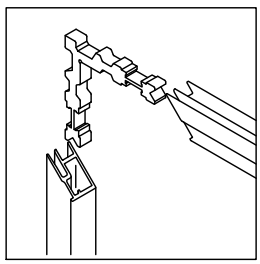
Frame lengths of 1346 to be mitred at 45° and crimped together using cleat 2539

Profile 1335

1335 between capped joints when glazing joints are required



EFT - 2538 Corner Cleat
EFT - 1335



Frame lengths of 1335 to be mitred at 45° and crimped together using cleat 2538

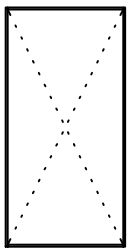
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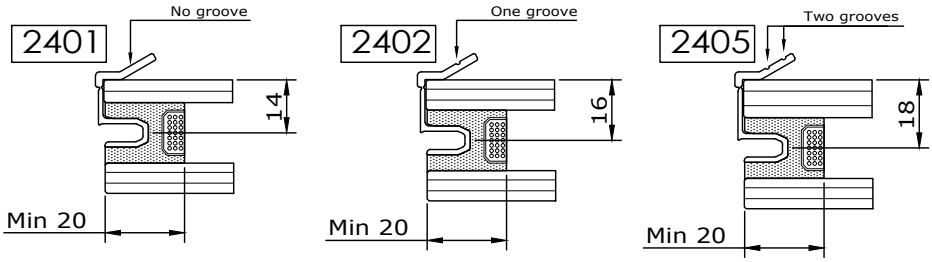
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Glass inserts



6.38

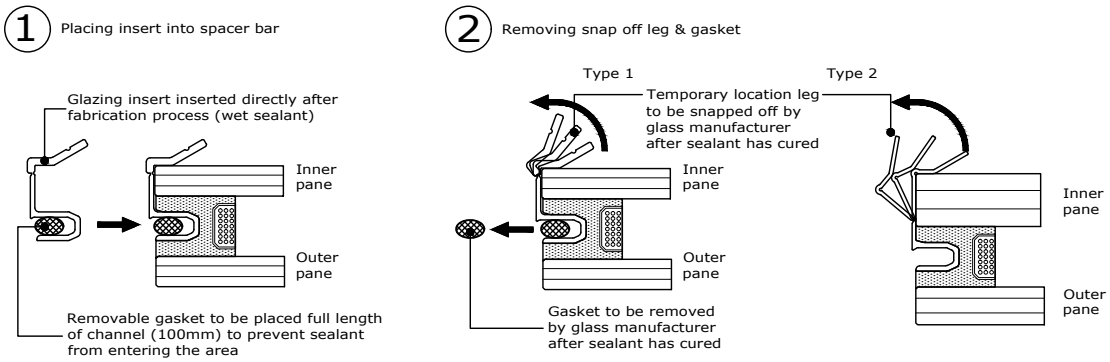
TYPE 1



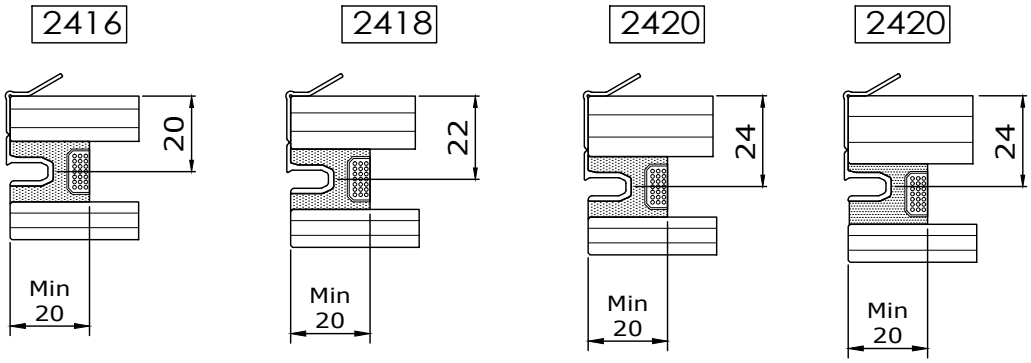
The Min.20mm to be set by your glass supplier according to standards and calculation.

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Fabricators Guide



TYPE 2



The Min.20mm to be set by your glass supplier according to standards and calculation.

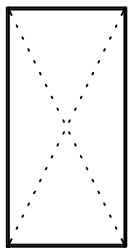
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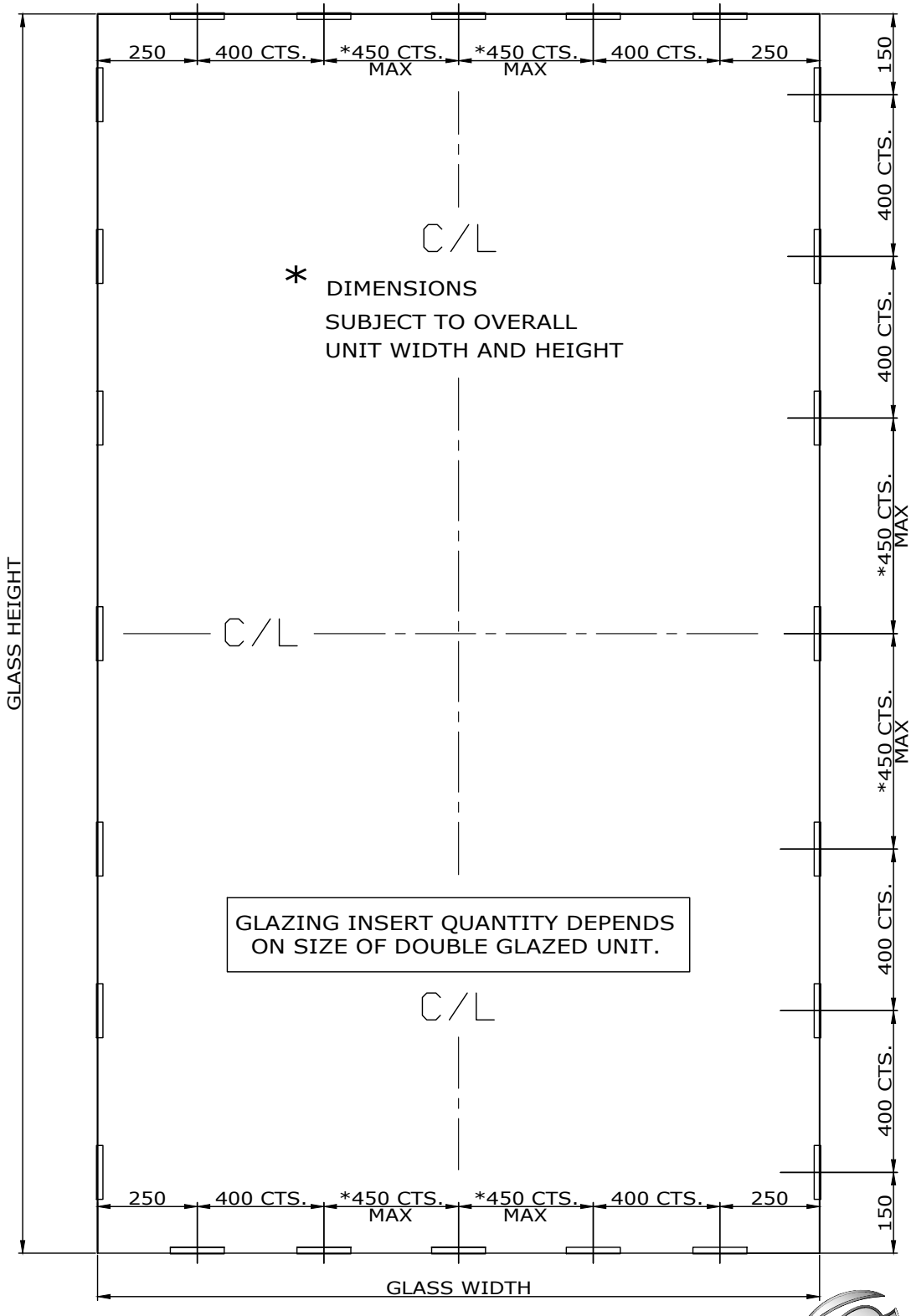
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Location of glazing inserts



6.39



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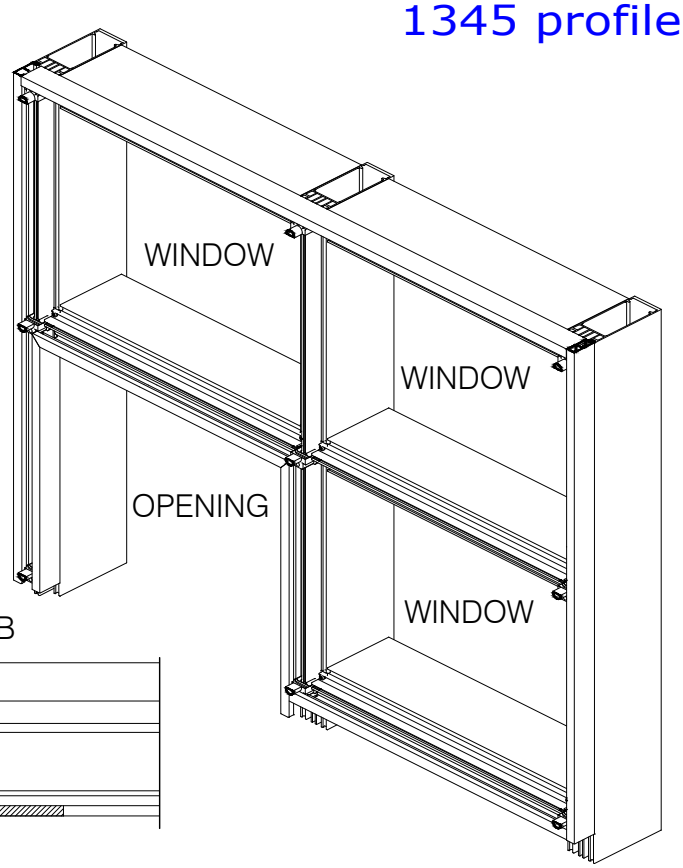
Fabrication 6

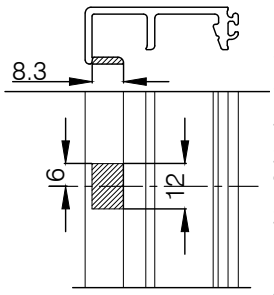
Comar 6EFT

Drainage diverter & 1345 profile preparation

6.40

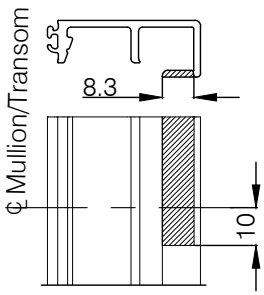
Fabricators Guide



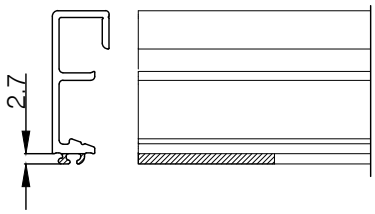


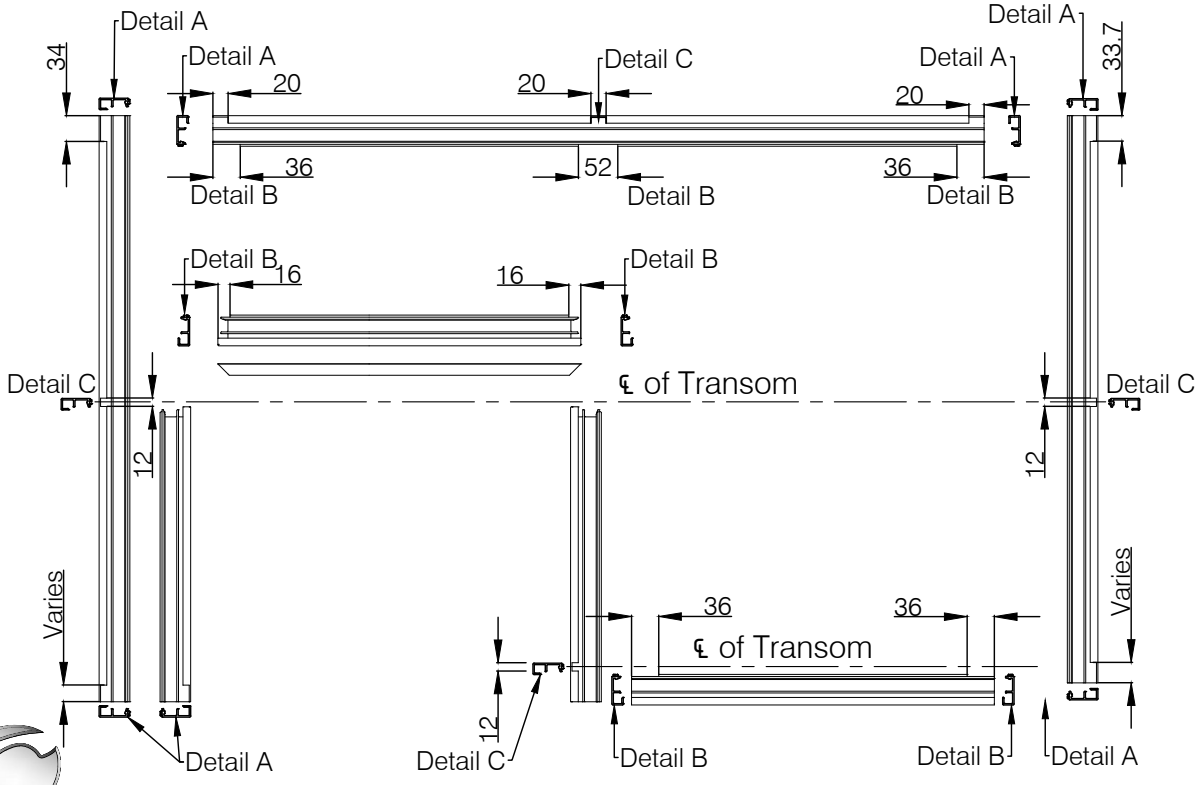
DETAIL C

DETAIL A



DETAIL B





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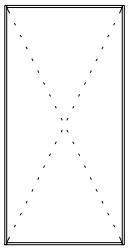
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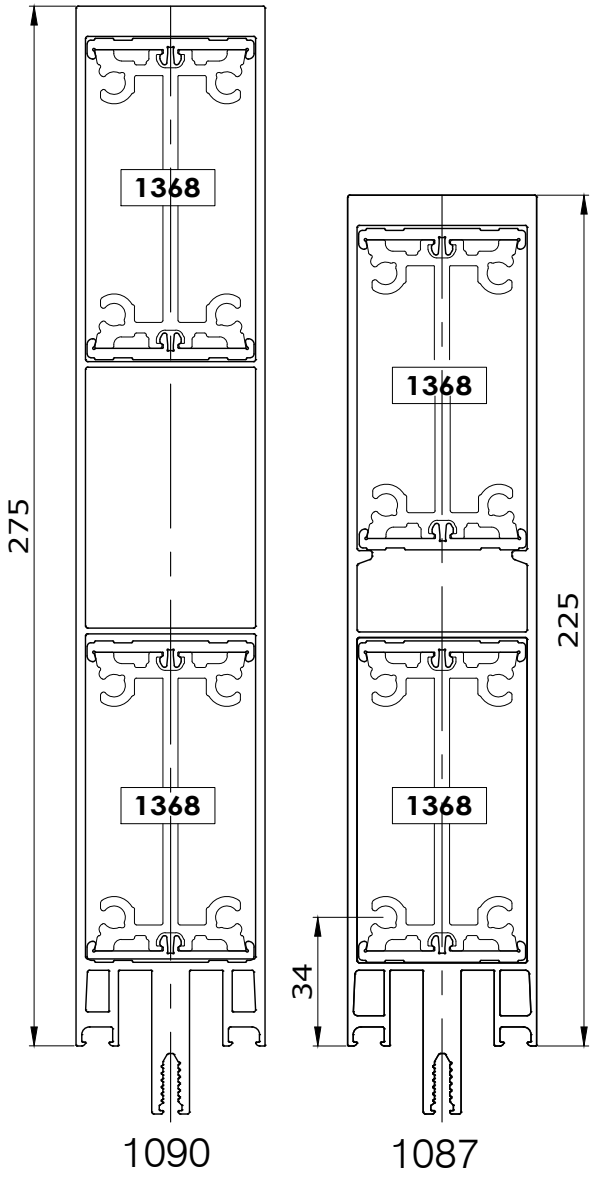
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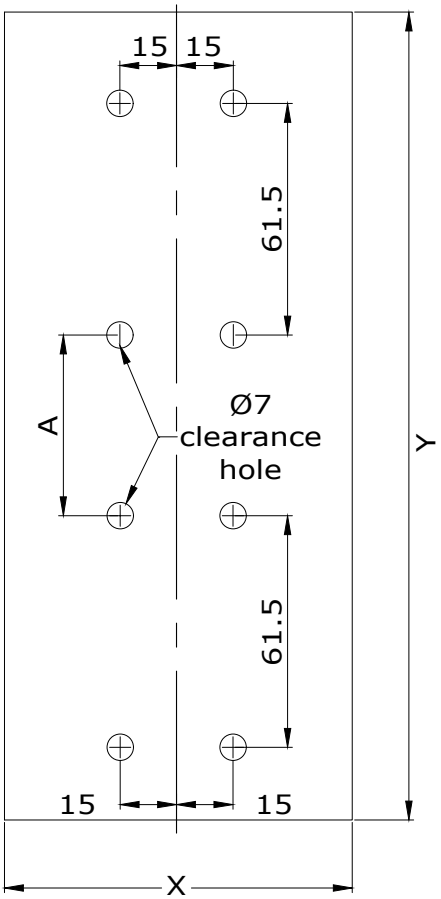
Mullion sleeve plate
1087- 225mm & 1090- 275mm



Mullion number	Dim A
1087	48
1090	98



1090 1087



6.41

Fabricators Guide

Front plastic cover cap cut back as needed to fit EPDM

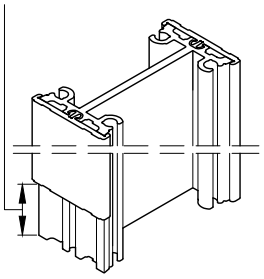


Plate supplied by others

Use Ø6.3mm number 14 x 25mm self tapping screw, countersunk (supplied by others) or plate can be welded.
Length & width of plate and anchor bolts to be determined by site conditions and to structural engineers specification.

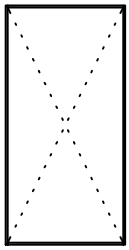
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Comar 6EFT

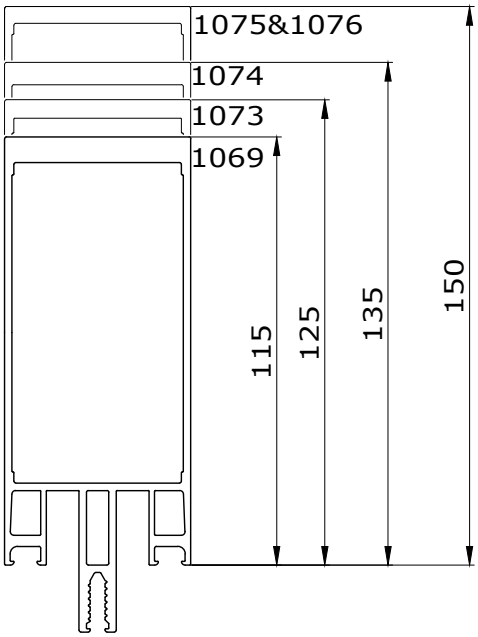
Mullion shoe bracket

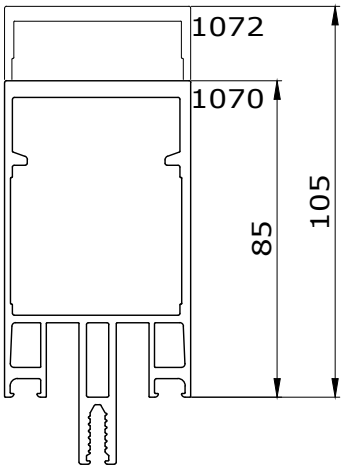


6.42

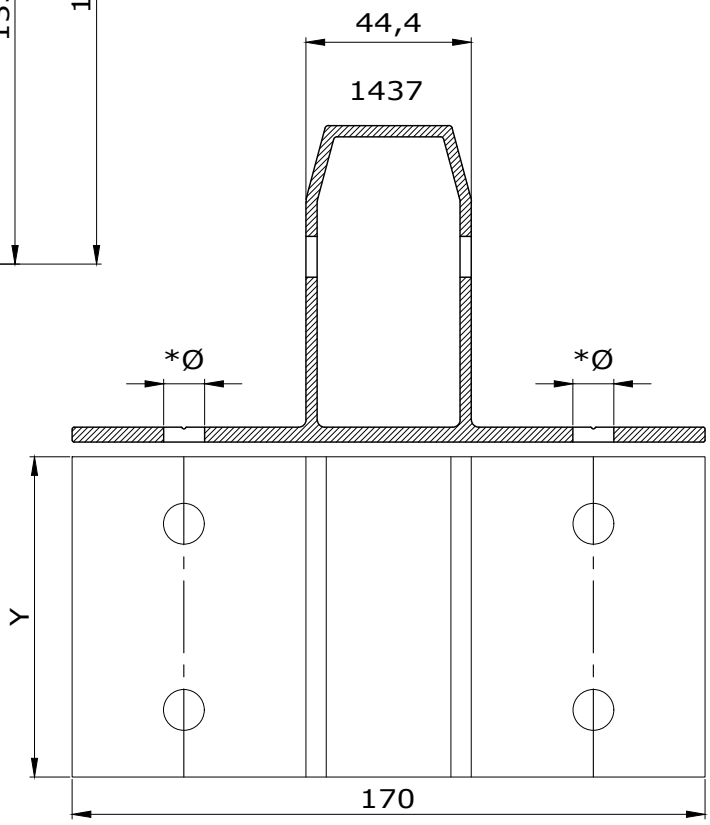
Mullion number	Size "Y" of Bracket	
	Bottom	Top
1070, 1072	36mm	39mm
1069, 1073 1074, 1075 1076	82mm	85mm
1077, 1080 1082, 1085	36mm 82mm	39mm 85mm
1087, 1090	2x 82mm	2x 85mm

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*Size of anchor bolts to be determined by site conditions and to structural engineers specification.



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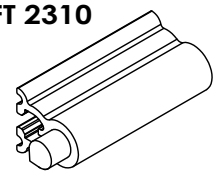
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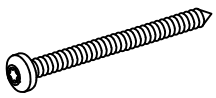
Mullion 1087 & 1090 Preparation

Transoms installed in between ladders

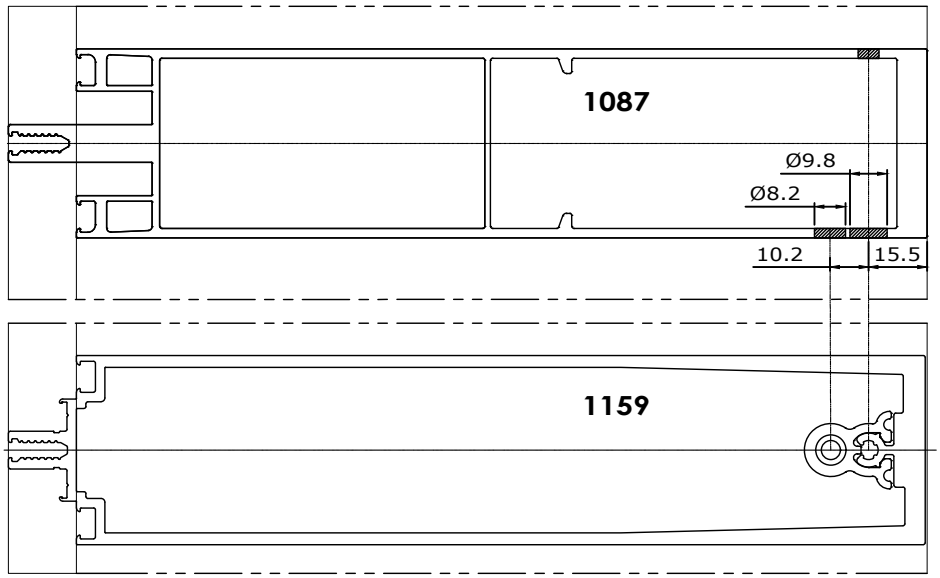
EFT 2310

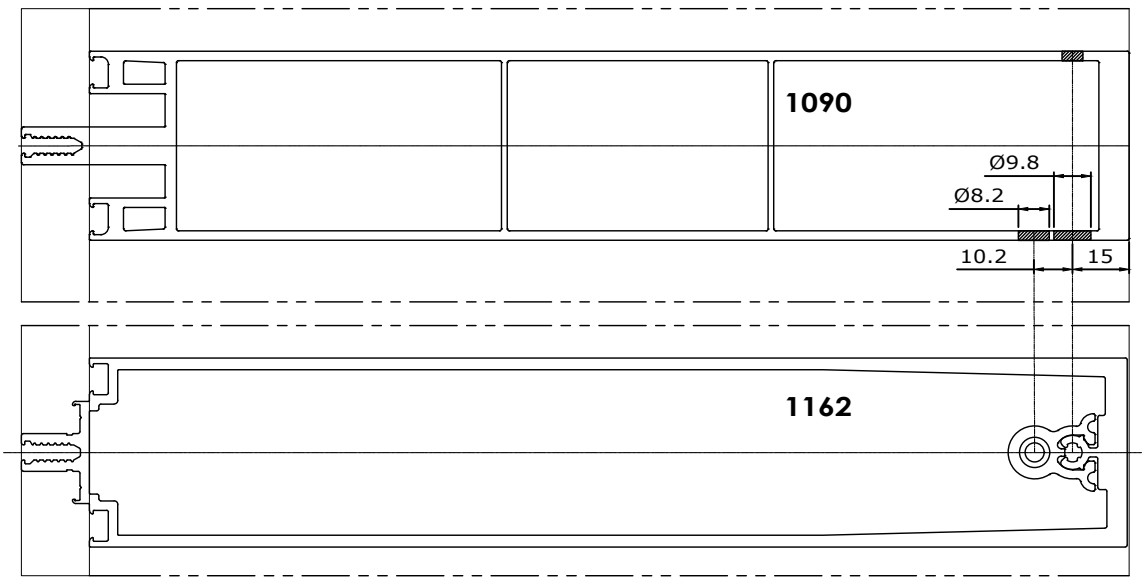


Ladder / unit



3022 (4.8 x 65)





6.43

Fabricators Guide

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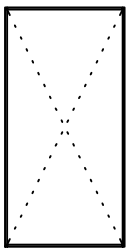
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Installation 6

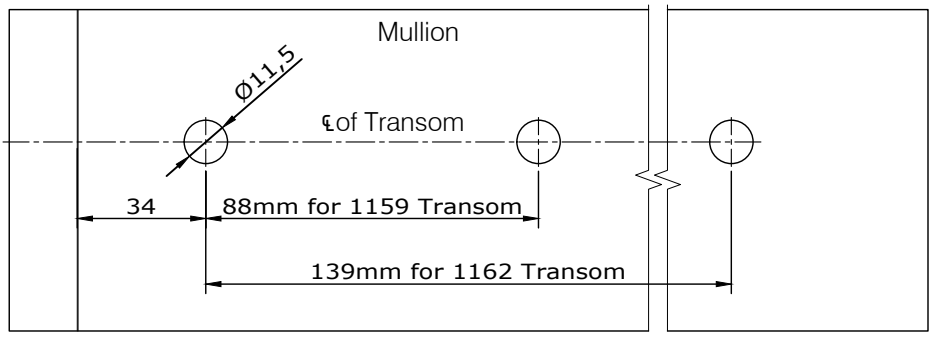
Comar 6EFT

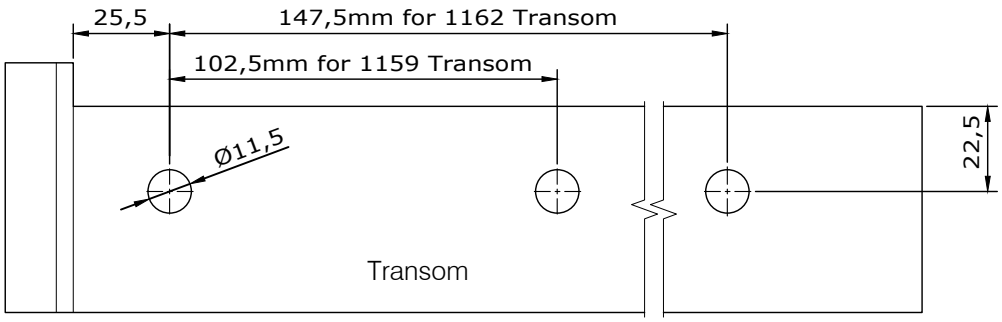
Mullion - Transom Connection

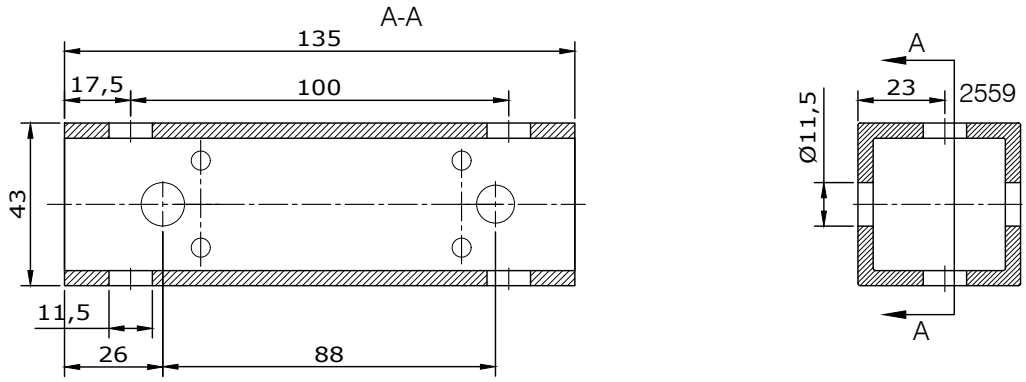


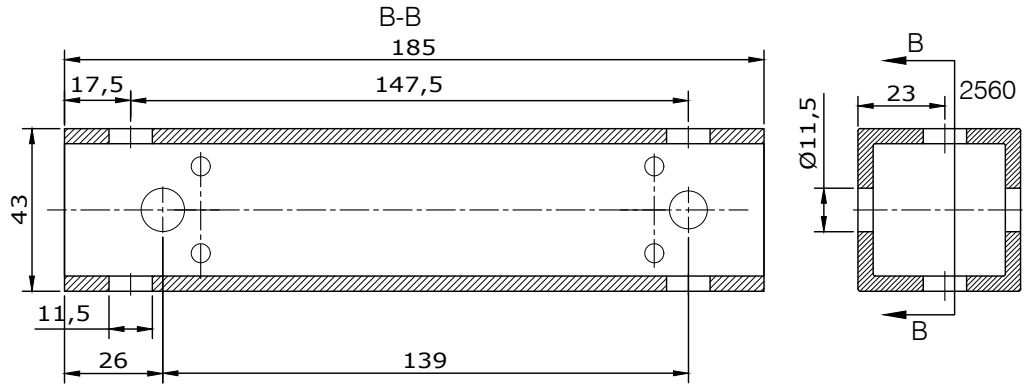
Option: 5 **Glass weight max 450 kg**

6.44









Fabricators Guide

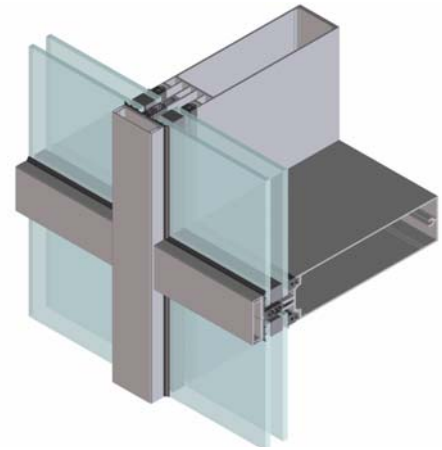
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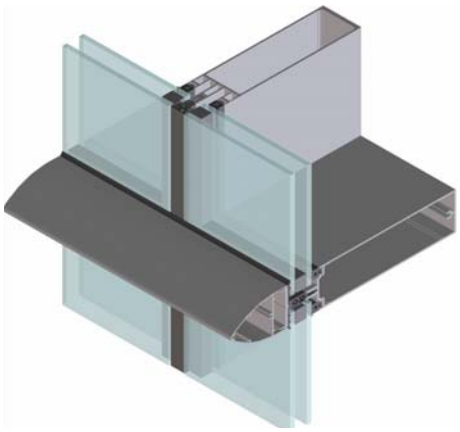
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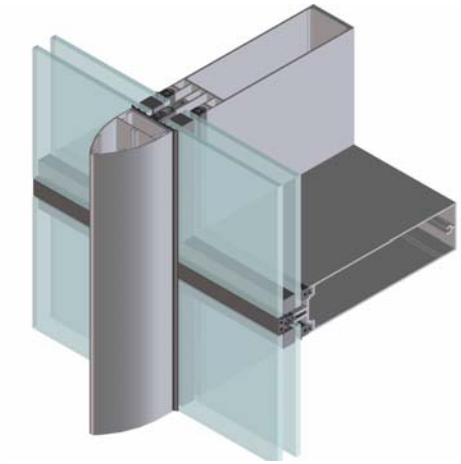
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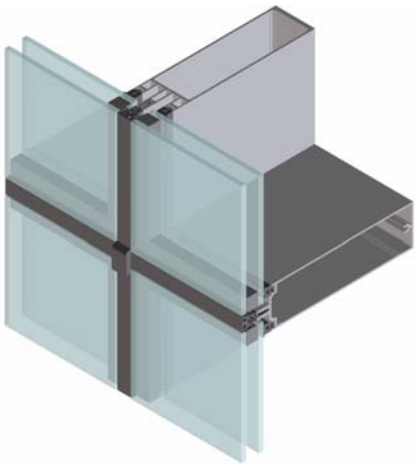
Capped



2sided SGH



2sided SGV



4sided SG

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Installation Guide for Erecting Comar 6EFT Curtain Wall System.

1 On-site / project conditions

The structural surface to which the brackets will be attached must be rigid steelwork or concrete floor-slabs and must be within tolerances.

- The fixing bolts and inserts must be adequate for structural requirements and site conditions. (Please consult your structural engineer)

2 Wall Brackets

Available are standard brackets CW671, CW672, CW673 & CW674. Strength of the bracket and the size of fixing bolts are to be verified and specified by a structural engineer.

Single or a two-field span?

- Wall brackets must be installed in position as defined and be lined out to allow the mullion to expand freely.
- In case of **a single field span**, one bracket should transfer the wind/dead load and should be fixed. The second bracket (or coupling sleeve) must slide to allow the mullion to expand.
- In case of a **two-field span**, one bracket should transfer the wind/dead load and should be fixed. The middle and the third bracket (or coupling sleeve) must slide to allow mullion to expand.

Please refer to EFT Technical Manual section 7 for further details of wall brackets, fixing methods, fixing materials, expansion joints and the choice of a hanging or standing construction.

For details please refer to EFT drawings 7.00 – 7.05.

3 Coupling of Mullions

If the building height requires coupling of mullions, a mullion sleeve of sufficient length must be used. (Minimum length should be 600mm; length depends on position of mullion coupling and wall bracket. Length to be decided and verified by a structural engineer). Also the EPDM mullion expansion moulding (EFT 2030) needs to be installed in such a way to allow the mullion to expand.

- Fix mullion sleeve to one (end of) mullion only (7.01 or 7.02).
- Apply sealant at drainage channel in the top mullion and install EPDM coupling mould EFT 2030.
- Clean off excess sealant.

For details please refer to drawings 7.03, 7.05 & 7.40.

Installation Guide for Erecting Comar 6EFT Curtain Wall System.

4 Mullion-Transom Connection

The Mullion-Transom connection is designed so that notched transoms are secured to the gasket groove on the mullions.

There are several installation methods such as:
1. Fasten mullions first and clip in transoms afterwards.
2. Fasten pre-fabricated ladders (units of practical sizes) and clip in transoms connecting the ladders. (Please refer to drawing 7.11)

The second option is the most practical method, however, the choice of installation method will depend on the size of the project, the preferred working methods of the fabricator/installer, possible access to the building as well as installation equipment available etc.

For all methods of installation, different mullion-transom cleats and connection components are available:

- When mullions or ladders are installed already, use spring-loaded cleat, EFT 2310, for transom fixing.
- Prefab units (ladders) screw EFT 3022 or transom cleat for transom fixing.
- Transoms must be fixed overlapping the mullion and must be sealed by a special EPDM seal EFT 2028 and fixed with screws EFT 3021.
- Set torque to fix transom screws EFT 3021 at a turning moment of 2,5 Nm,
- Allow for a minimum of 0.5 mm space for expansion at both ends of transoms.

For details please refer to drawings 7.34.

5 Spandrel and glazing adaptors

For different glass and spandrel panel thickness or segmented facades, glazing adaptors are required, the following needs to be observed:

- Seal the gasket groove at the transom ends.
- To seal the vertical glazing adaptor inject sealant at the end of the adaptor and apply sealant at edges of the horizontal glazing adaptor.
- When the vertical glazing adaptor is bridging a coupling of 2 mullions it is advisable to have a joint gap to the adaptor equal to that of the mullion, to be located below the mullion joint. The upper adaptor to be fixed in position above mullion joint. Apply sealant to joint.
- Factory fitting of adaptors to be screw fixed with minimum of two screws with fixings not more than 1m apart.

.

6 Thermal break / Isolator

- Install the correct thermal break size as advised as per glazing tables.

7 Glazing gaskets and EPDM corner mouldings (inner seal)

The inner seal gasket is the most important seal to avoid air and water ingress, Comar 6EFT is pressure equalised allowing small amounts of water into the glazing rebate which is then drained out via the mullions.

Drainage diverters are designed to drain the water out of the system and sufficient drainage and pressure equalisation slots must be punched into the pressure plates, pressure-plate gaskets and cover caps.

- Apply a sealant into glazing groove before installing the corner moulding.
- Cut EPDM glazing gasket size plus approx. 5 % to ensure compression of the gaskets and allow for shrink back. Apply bonding compound and slide/bond gasket into its position.
- Clean off excess sealant.

For details please refer to glazing tables in section 3 and drawings 7.12 – 7.15, 7.35 & 7.36

8 Drainage diverter

- Select the correct drainage diverter for mullion drainage as per glazing tables.
- Install drainage diverter and inject sealant mastic into hole provided. To achieve a watertight seal, mastic must cover all edges.
- Apply mastic to seal the drainage diverter to the thermal break.

For details please refer to glazing tables in section 3 and drawings 7.12, 7.15, 7.37 & 7.38

9 Glass setting blocks and glazing

- Clean out debris from the glazing rebates and ensure that the drainage routes are clear of obstruction.
- Clip-fit proprietary glass setting blocks into position on the transom making sure that they do not interfere with the drainage grooves. (Approx. 50 mm from corner edge)
- Position 1*, 2* or 3* mm thick location blocks (of correct size) onto fitted glass setting block, ensuring that it is positioned centrally in accordance with glazing tables.

1mm block (**5mm gap) for Comar 6EFT 2sided vertical and Comar 6EFT 4sided curtain walling.

Installation Guide for Erecting Comar 6EFT Curtain Wall System.

2mm block (**7mm gap) for Comar 6EFT curtain wall and Comar 6EFT 2sided horizontal with setting blocks XX2301, XX2305 & XX2306, 3mm block(**7mm gap) to all other glass setting blocks.

- In accordance with current relevant Health and Safety legislation, use proprietary glass suckers to lift the glass unit, onto the location blocks and fit into the glazing rebate. Ensure that there is a minimum of 5** to 7** mm ventilation gap between the edge of the glass pane and the curtain wall frame, for the full perimeter of the glass unit.
- Check that the internal glazing gasket fits against the glass face correctly with no tucks in the gasket leg.
- Fix glazing aids to hold the glass unit into its position.

For details please refer to drawings.

10 Pressure-plate gasket.

The pressure-plate outer gasket stops water ingress into the system; to ensure a tight seal close attention to this gasket is required in the cruciform area.

Comar 6EFT curtain wall has 2 options for the outer transom gasket e.g.
1 Single gasket EFT 2162 (or 2163) along with pressure plate EFT 1252 or 1252
2 Duo* gasket combination EFT 2150 + 2150 along with pressure plate EFT 1251

When to use Single or Duo* gasket.

Single and Duo gasket options can be used for all EFT curtain walls.

For single transom gasket conditions, EFT 2162 is sealed (butt joint) against the outer vertical gasket EFT 2162.

For duo gaskets conditions, the vertical outer gasket EFT 2162 overlaps the horizontal Duo* gasket and is not sealed.

- Remove vertical fixed glazing aids, at one side of the glass unit only.
- First select the correct vertical pressure plate gasket (as detailed in the glazing tables) minimising butt joints. All butt joints must be sealed.
- Cut gasket straight, size plus approx. 2 % to ensure compression of the gaskets and allow for shrink back, make sure that gasket is not stretched.
- Ensure that drainage or pressure equalisation slots are correctly positioned.

- **Fix vertical pressure-plate** (see item 11)

- Remove horizontal fixed glazing aids.
- Fix horizontal pressure-plate-gasket and cut this gasket straight. (Plus approx. 2 %)

- Apply sealant against vertical pressure-plate-gasket and slide horizontal gasket against vertical gasket into position.

For details please refer to drawings.

11 Pressure plates

- Pressure plate screw connections should be spaced at intervals of 200 mm. The first and last screw should be fixed at 25mm from the ends of the pressure plate and 50mm from the centre of mullion or transom cruciform.
- Use correct screw-type and length in accordance with glazing tables.
- Install vertical pressure plates first, as mentioned under item 10
- Check both the outer gasket and pressure plate, there should be no protrusion in the outer pressure plate gasket and no depression in the pressure plate, it is advisable to set the torque moment of 3,5 – 4,5 Nm, (specific project requirements might require a different value)
- Make sure the slot for drainage and pressure equalisation is positioned correctly.

- When coupling is required (at least every 6.45 m), leave sufficient space between the pressure plates to allow for expansion.
  (Typically there is approximately 1mm expansion per metre of profile but this varies depending on location of the curtain wall and colour of cover-cap which should both be considered)
- Install horizontal pressure-plate and leave a minimum of 2 mm space between vertical cover cap and horizontal pressure-plate to allow for expansion.
  (Cutting size; C.T.C - 54 mm)

For details please refer to drawings.

12 Cover caps

Vertical cover caps need to be 3mm wider than the horizontal to ensure that there are no raw edges.

Cover caps have a typical edge radius of 1,5mm, edge radii for even distribution of the powder coating layer.

<u>Vertical cover-caps</u>

- First install correct vertical cover-cap.
- When coupling is required (at least every 6.45 m), leave sufficient space between the cover caps to allow for expansion.
  (Typically there is approximately 1mm expansion per metre of profile but this varies depending on location of the curtain wall and colour of cover-cap which should both be considered)
- For some cover caps (75mm and higher) a coupling strip will be available to align the cover caps.
- Fix one screw in the cover-cap and pressure-plate at transom (cruciform) location to let cover-cap expand in one direction only.

- Higher cover caps need to be fixed at each cruciform location, preferably concealed underneath the transom cover and if the vertical span exceeds 1.5m, additional fixing points will be required.
  (A special designed pressure plate (EFT 1253) is available to ease the fixing)
- If drainage is chosen through the vertical cover cap it is advisable to divert the majority of water (drained out of the mullion) to the outside approx. every 20 m A location can be where cover caps are connected.

For details please refer to drawings.

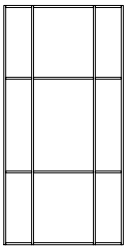
13 Other?

Further questions or suggestions; or if the standard solutions don't meet your requirements, please do not hesitate to contact our office.

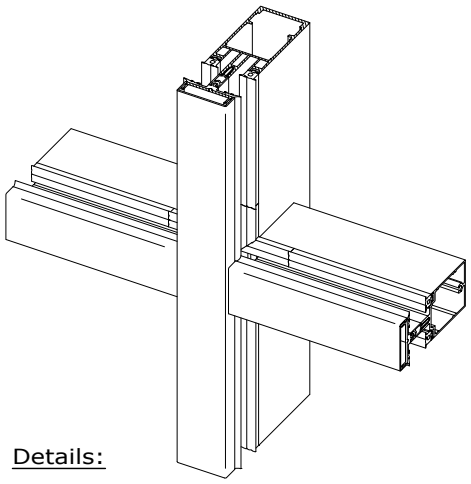
Installation 7

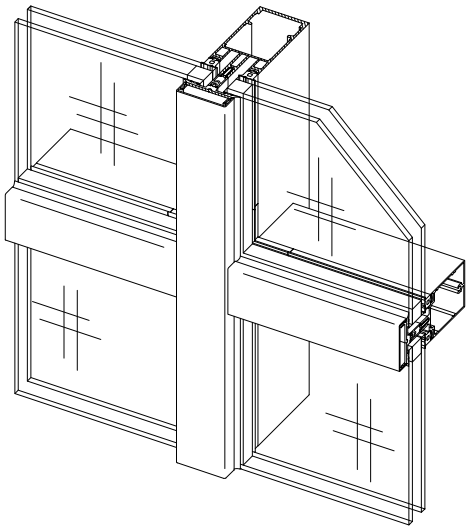
Comar 6EFT

Exploded typical detail
Fully capped



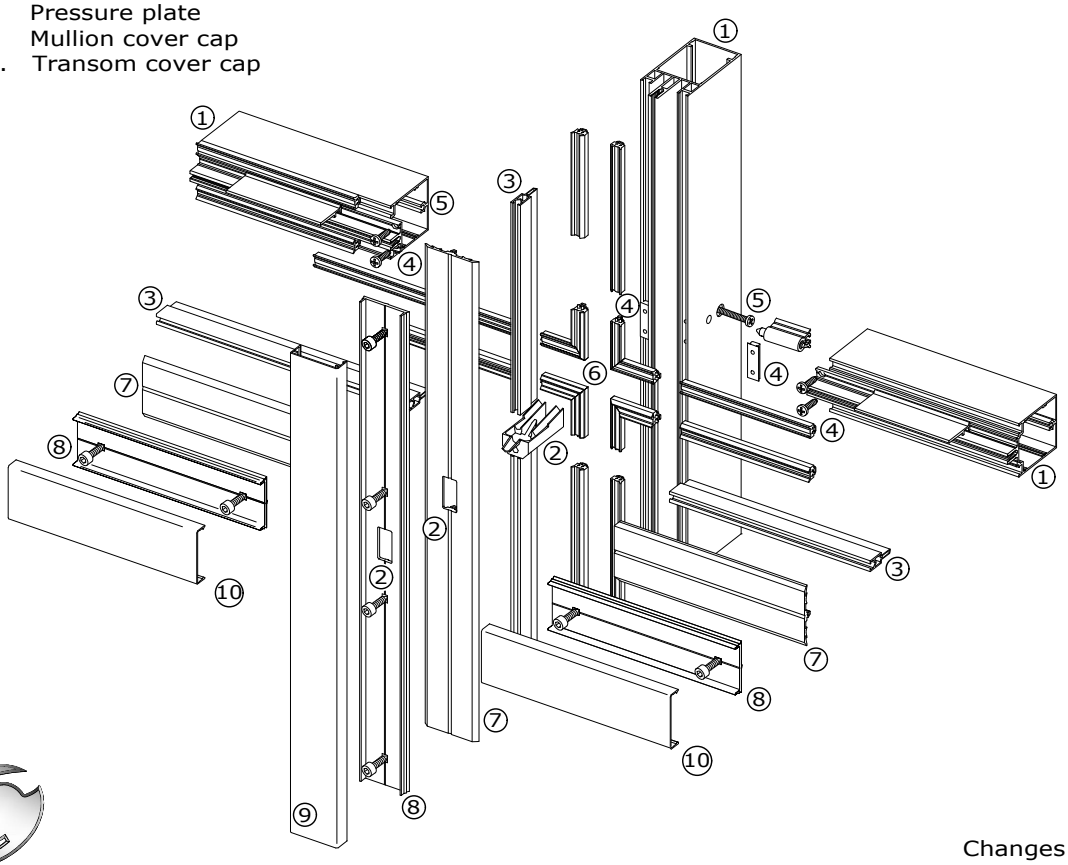
7.00





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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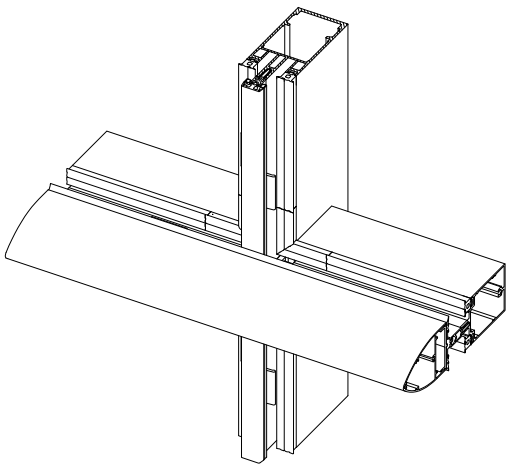
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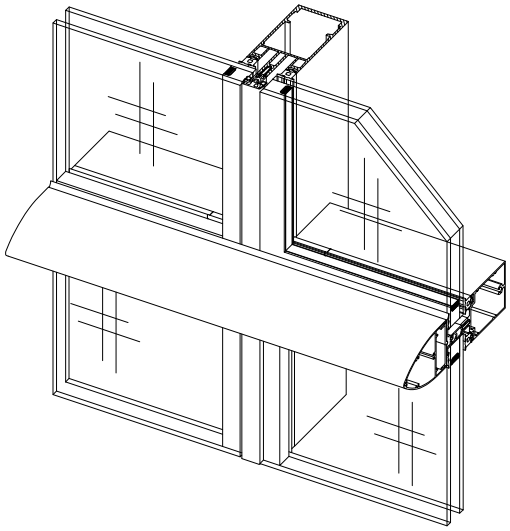
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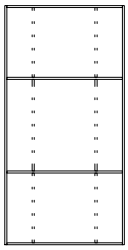
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Exploded typical details
Horizontal cover cap (2sided SGH)



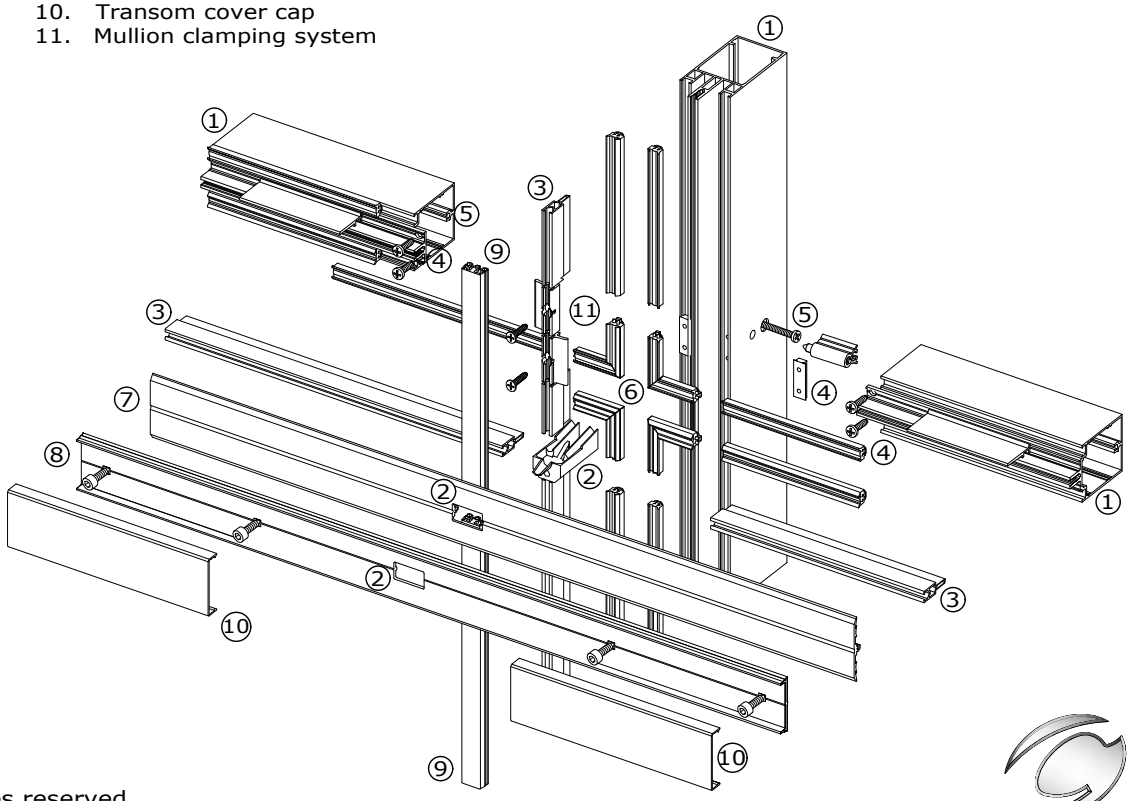




7.01

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



Fabricators Guide

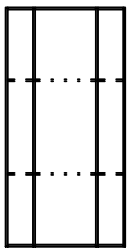
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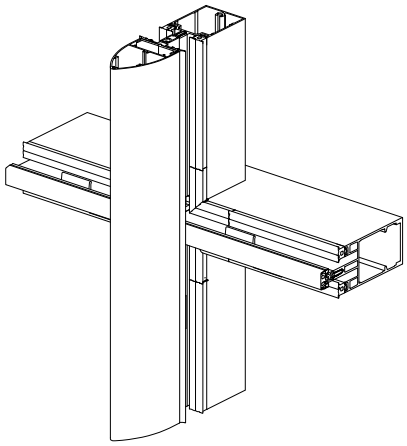
Installation 7

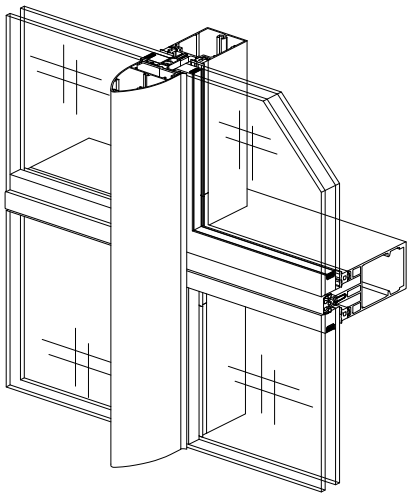
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7.02

Exploded typical detail
Vertical cover cap
(2 Sided SGV)



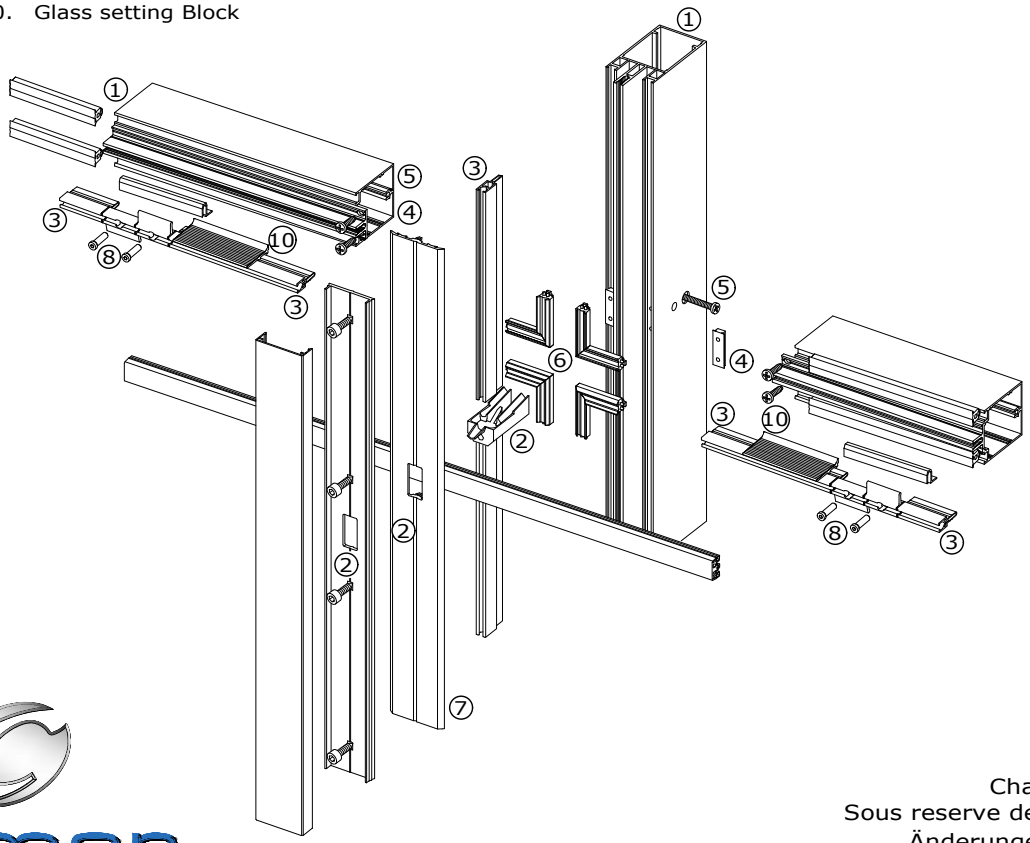


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Fabricators Guide

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



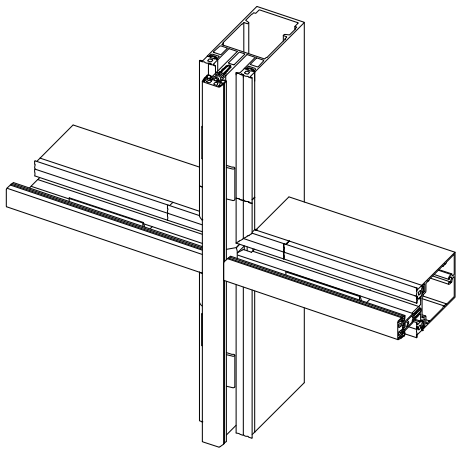
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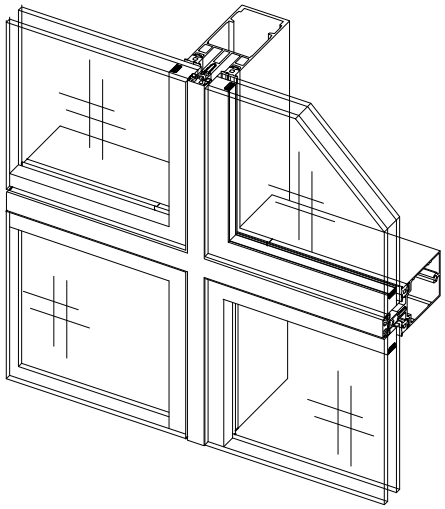
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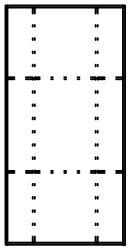
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Exploded typical details
Four sided structural EFT (4sided SG)



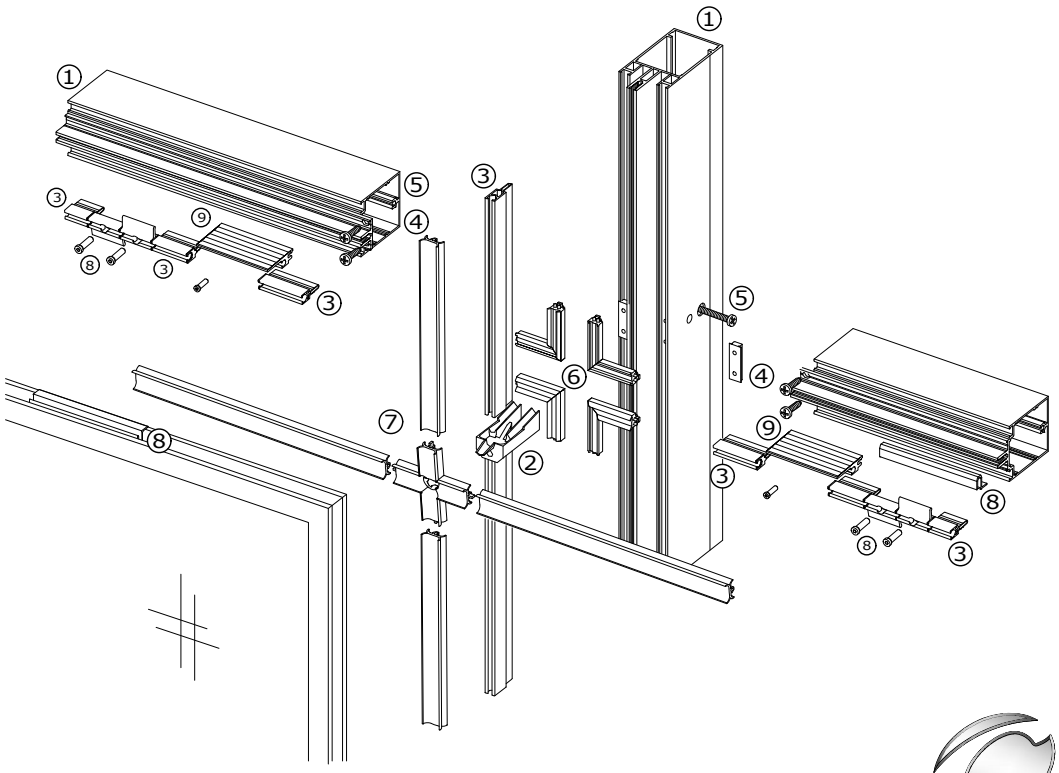




7.03

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



Fabricators Guide

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Installation 7

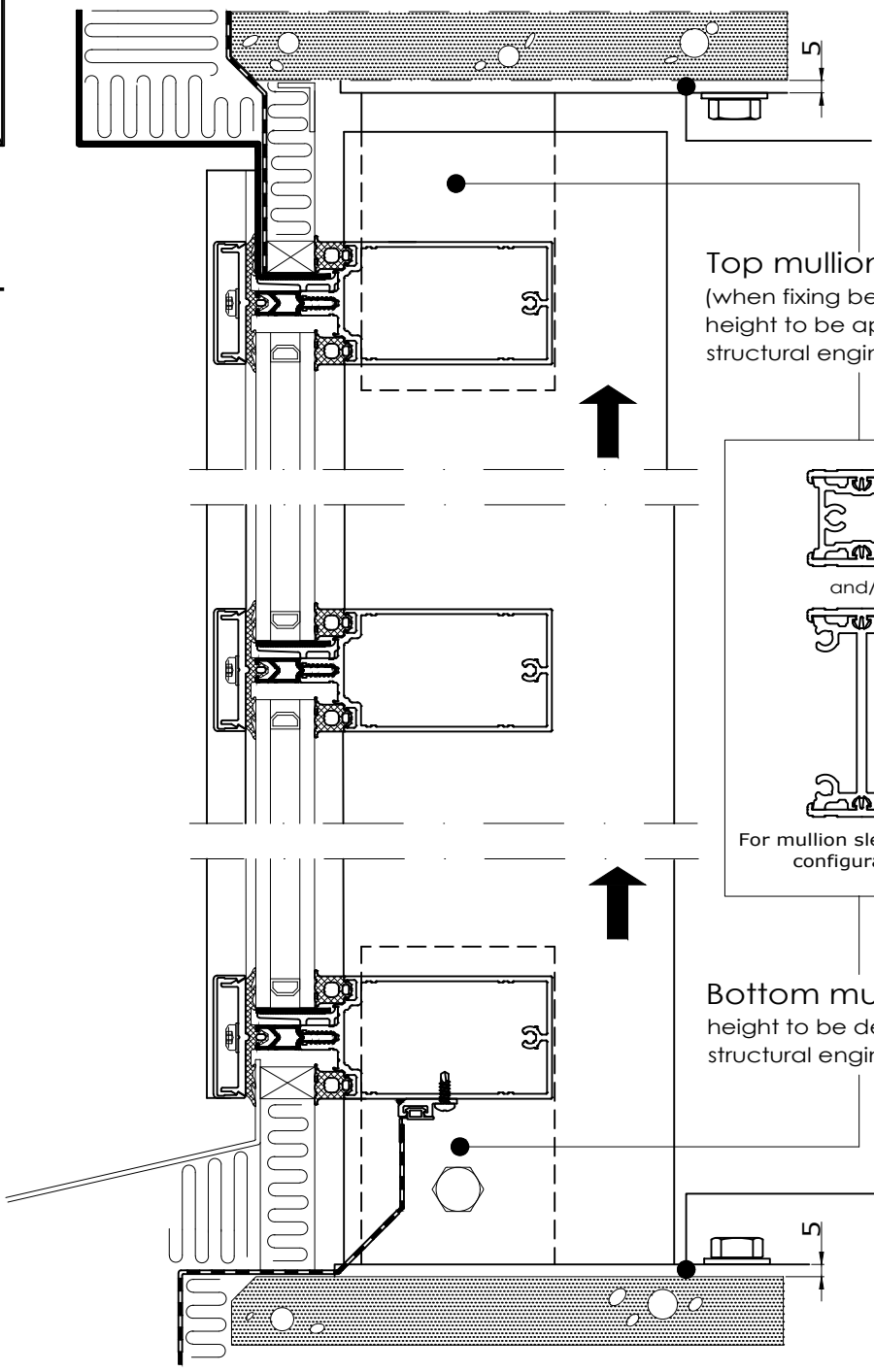
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Fixed between floors

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7.04

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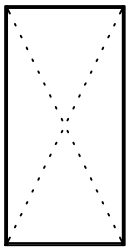
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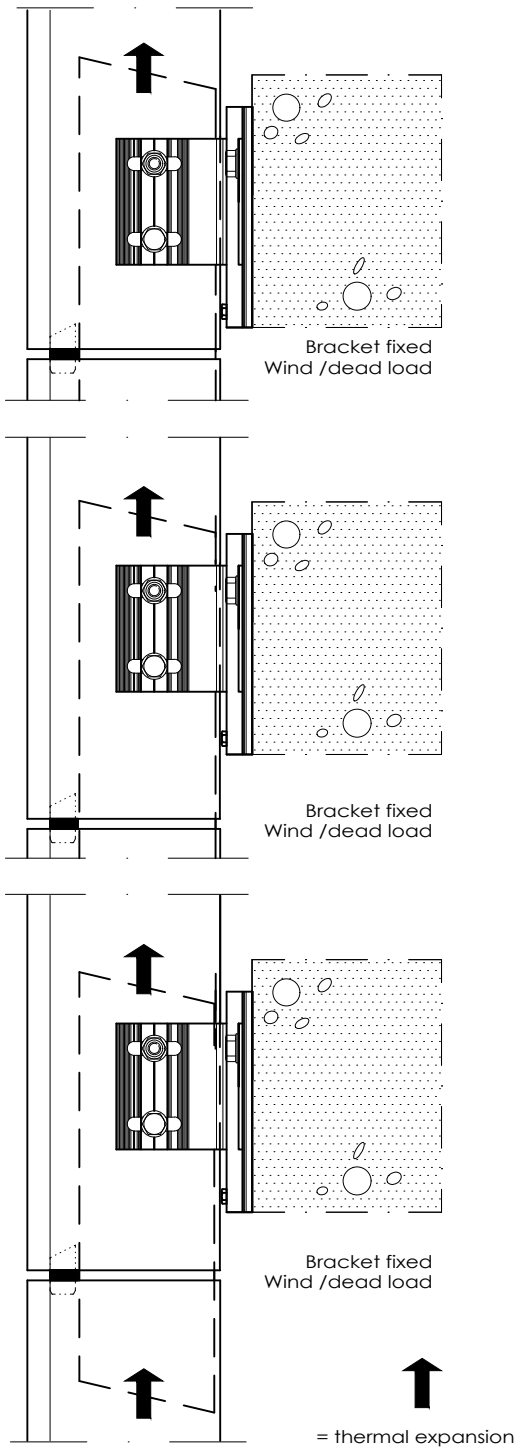
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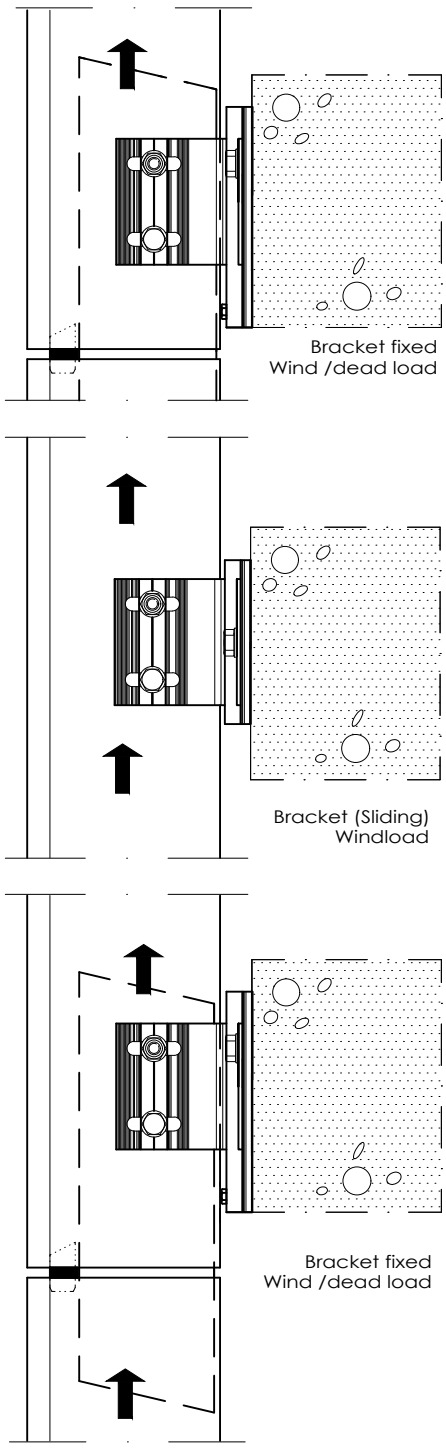
Brackets & Couplings



7.05



Single Field Span



Two Field Span

* Propped Construction *

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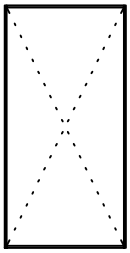
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Installation 7

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Brackets & coupling



7.06

Fabricators Guide



Single Field Span

Two Field Span

* Hanging Construction *

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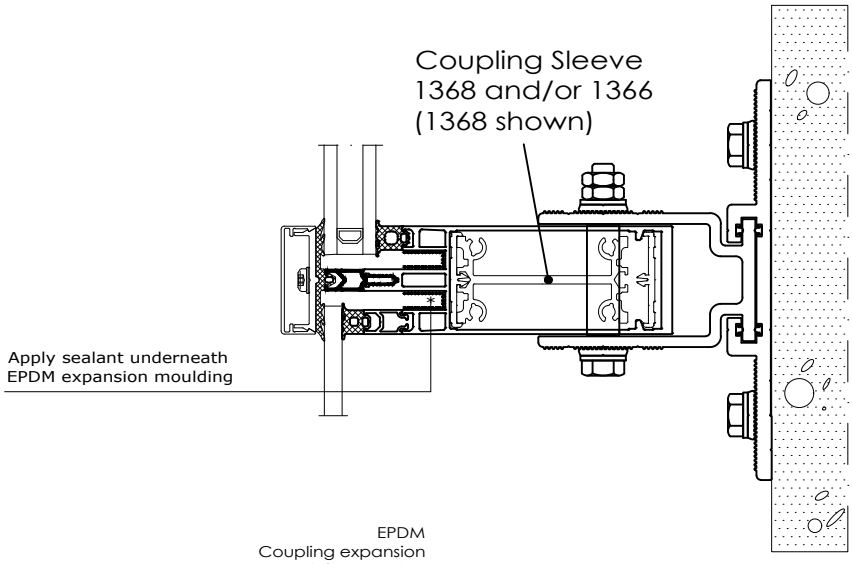
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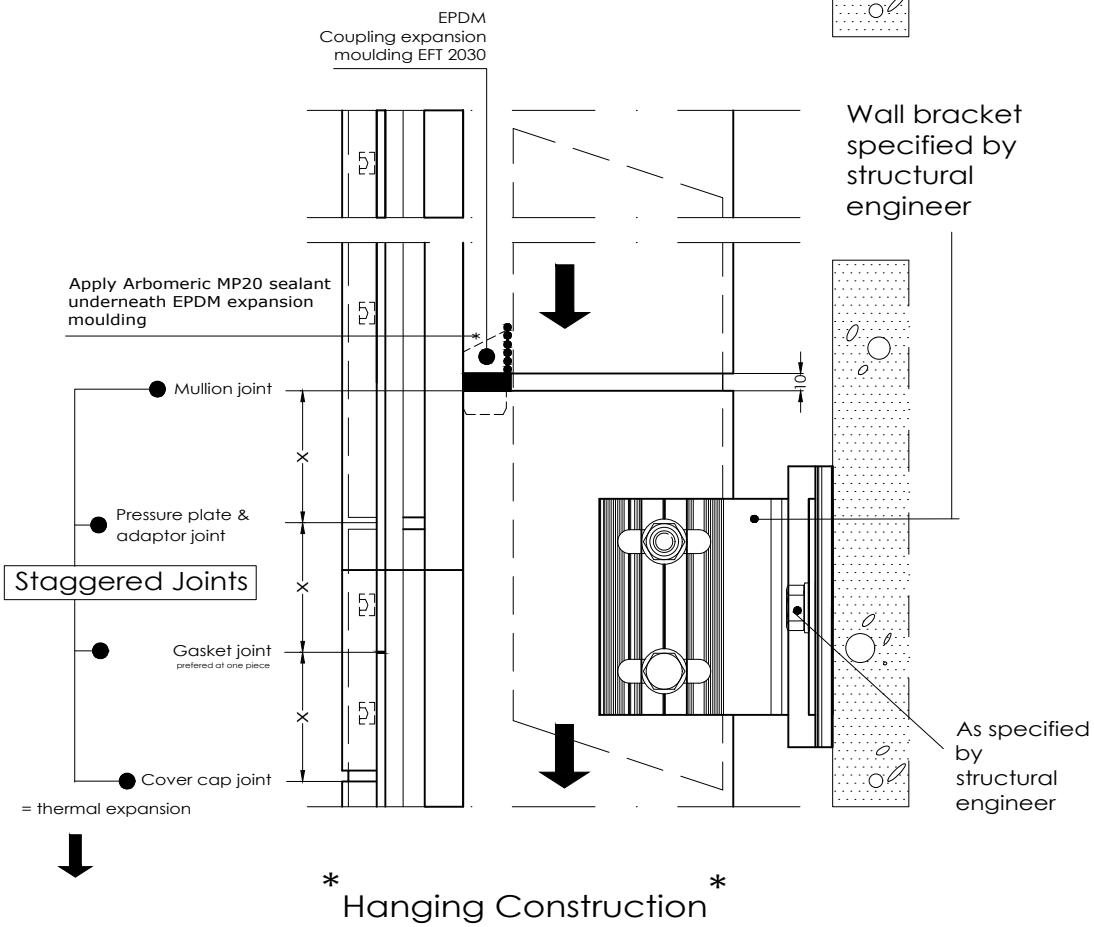
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Brackets & Coupling





* Hanging Construction *

7.07

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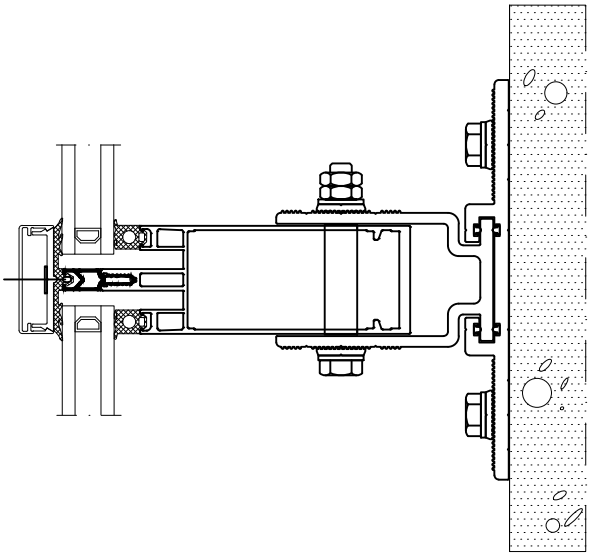
Installation 7

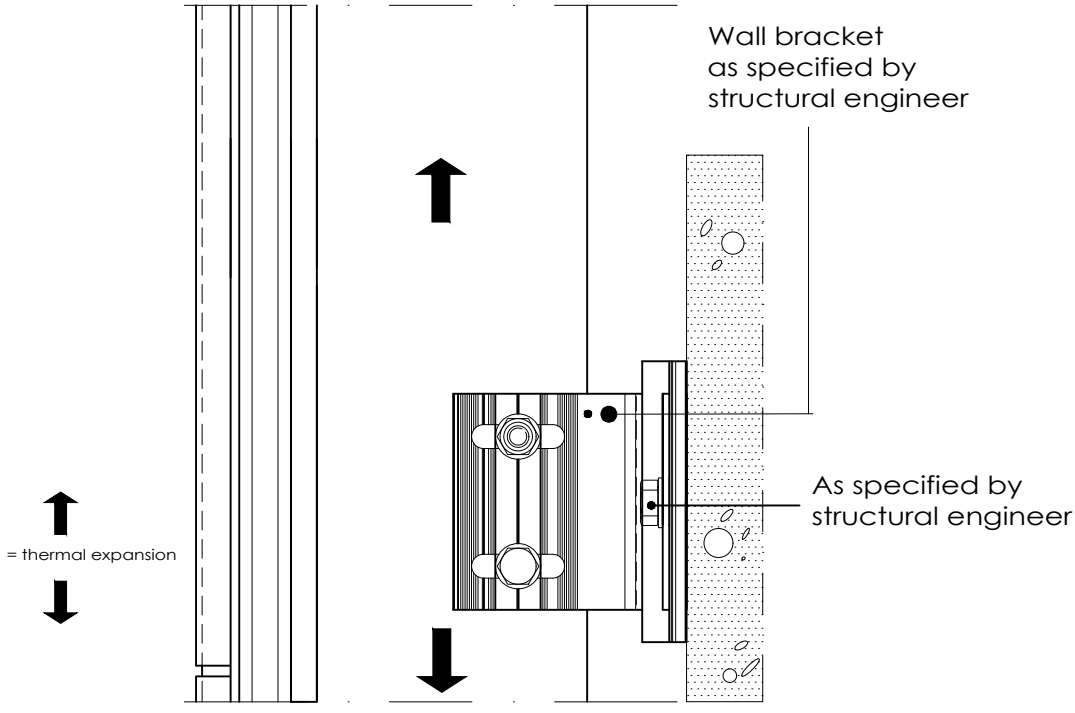
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7.08





* Sliding bracket *

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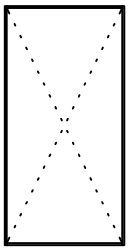
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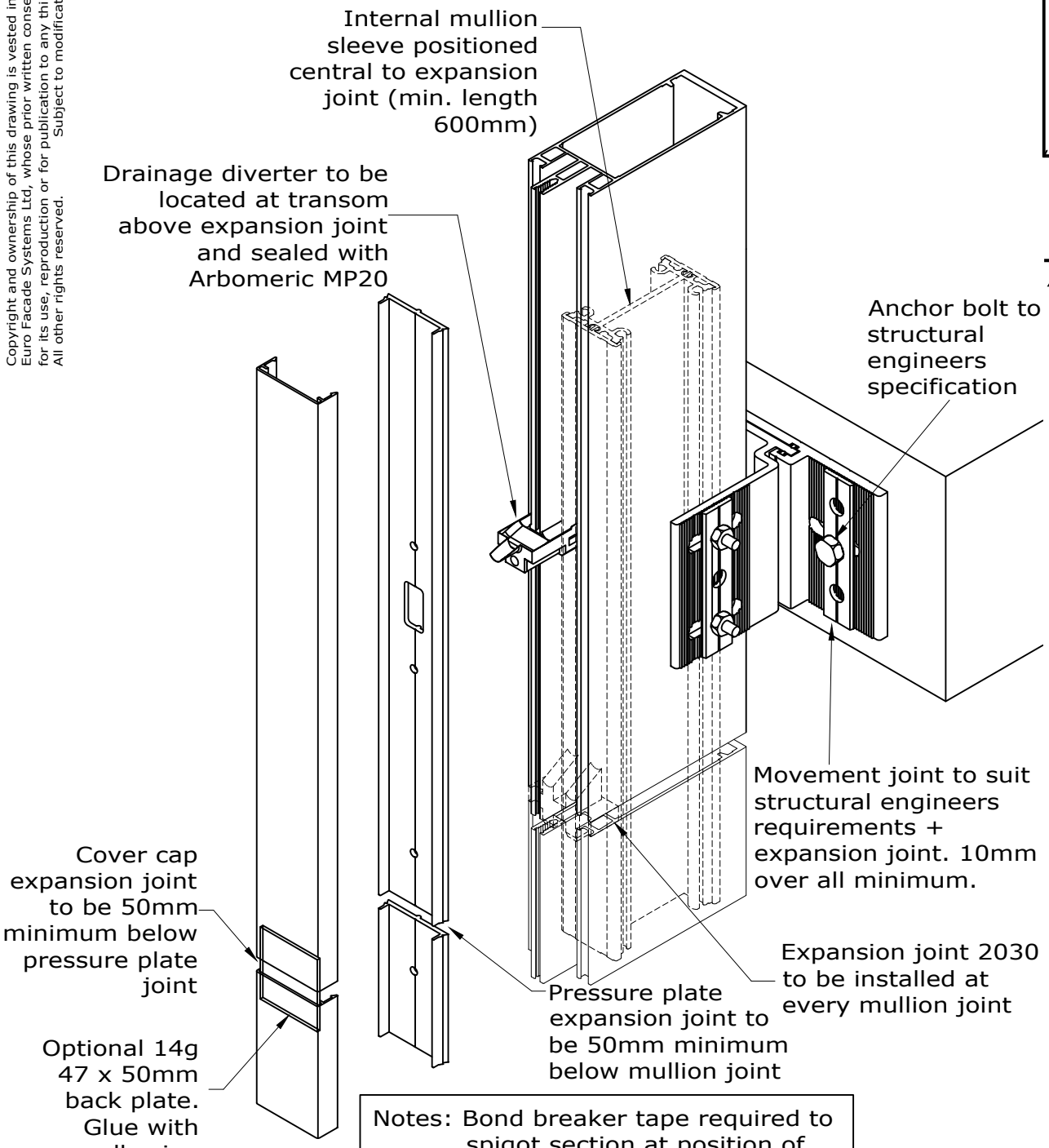
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Mullion movement joint preparation



7.09



Notes: Bond breaker tape required to spigot section at position of mullion joint and to glass at pressure plate joint

Gaskets omitted for clarity

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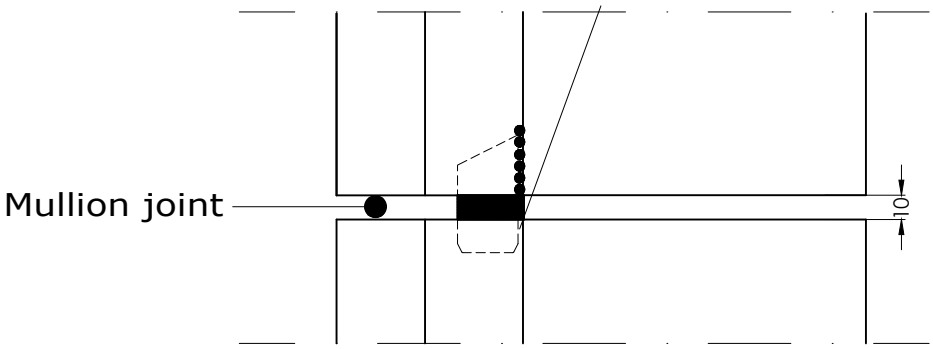
Installation 7

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Mullion coupling 2030

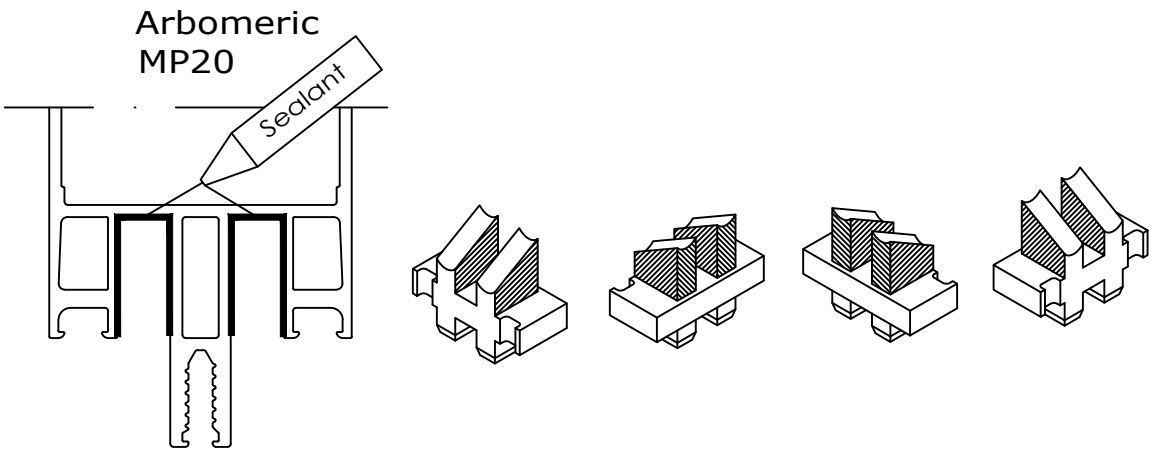
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7.10



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



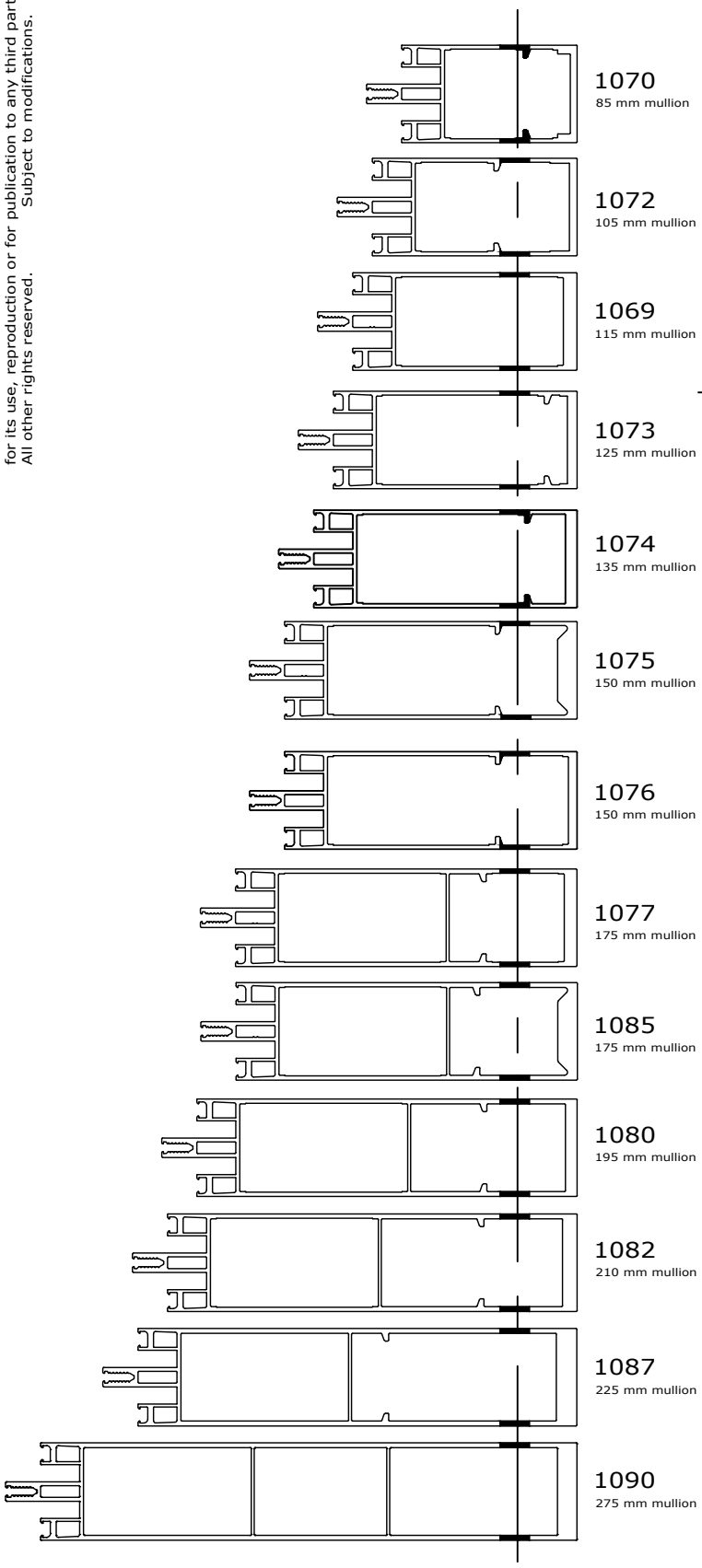
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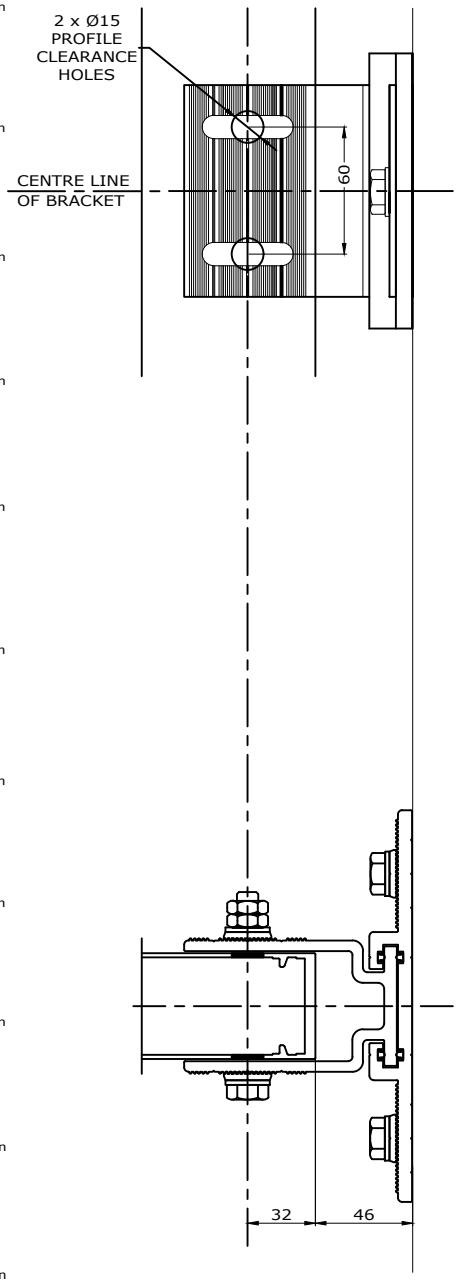
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Fixing bracket hole preparation





7.11

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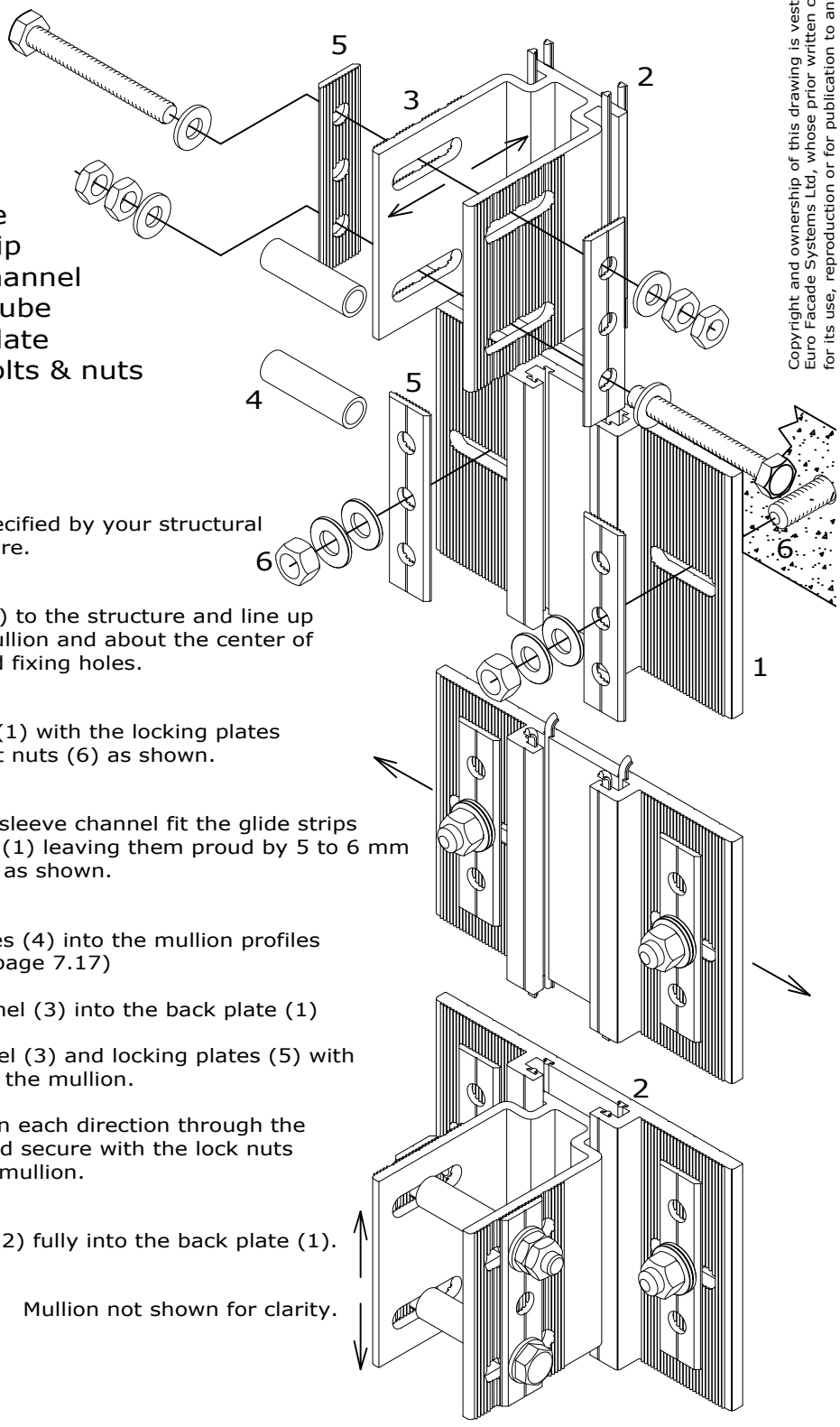
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Fixing bracket instructions
Page 1

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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.

Fabricators Guide

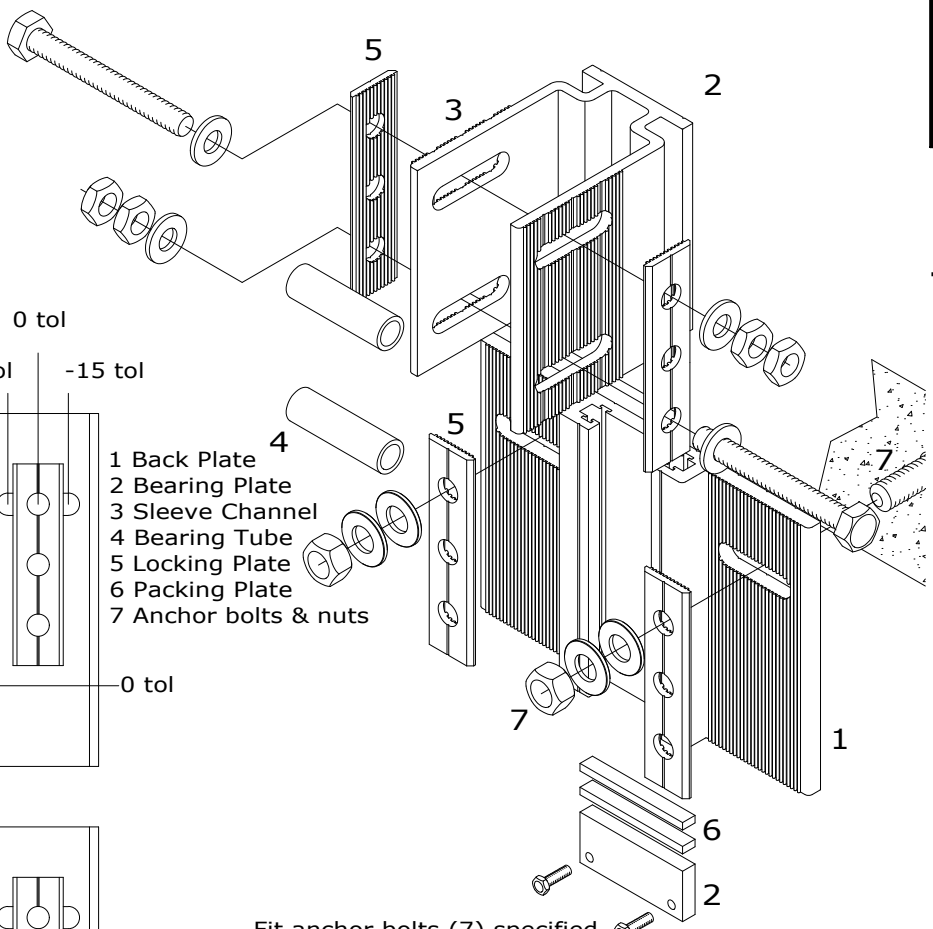
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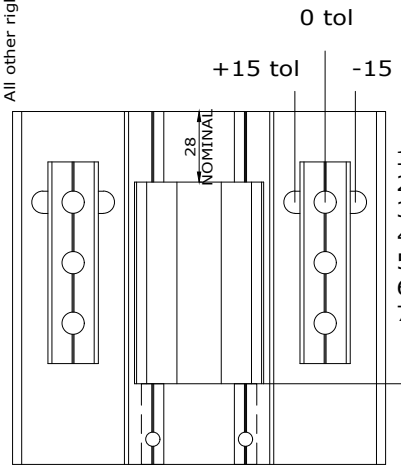
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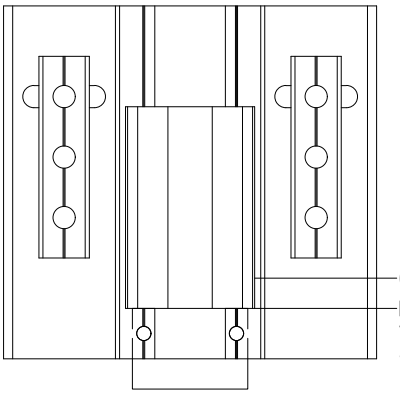
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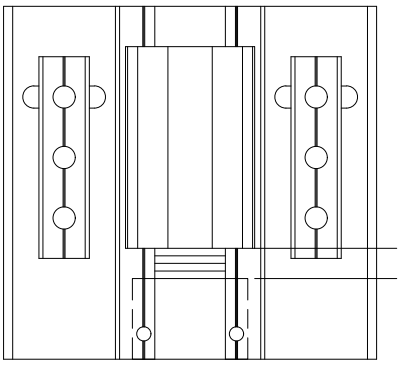
Fixing bracket instructions
Page 2





1 Back Plate
2 Bearing Plate
3 Sleeve Channel
4 Bearing Tube
5 Locking Plate
6 Packing Plate
7 Anchor bolts & nuts





Fit anchor bolts (7) 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 (7) as shown.

Apply aluminium glue (SE007) to sleeve channel and insert into the back plate (1).

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

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.

Plumb level the mullions, insert the packing (6) and bearing plate (2) and secure tightly using No2 M6 screws.

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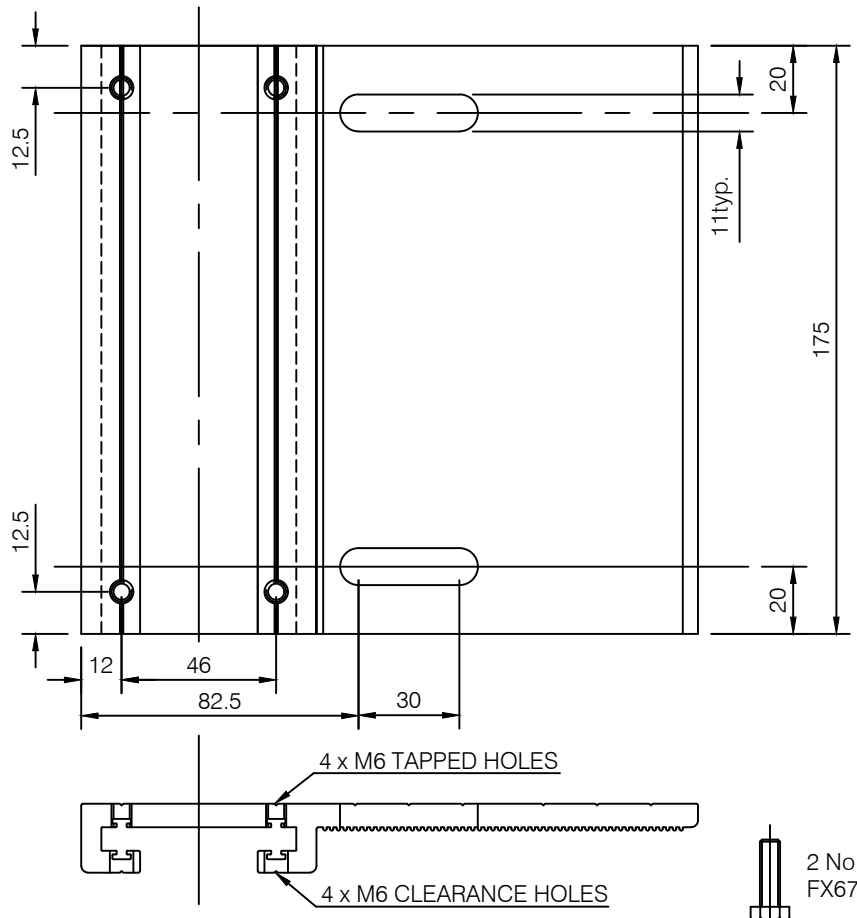
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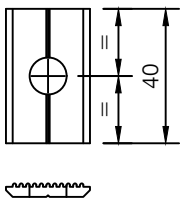
Wall fixing bracket (jamb) CW671 Page 1

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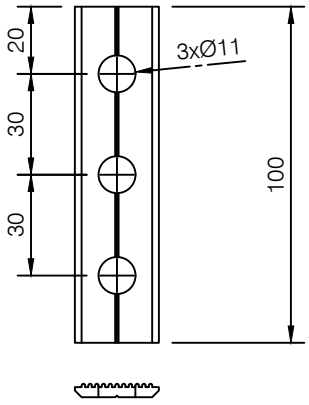
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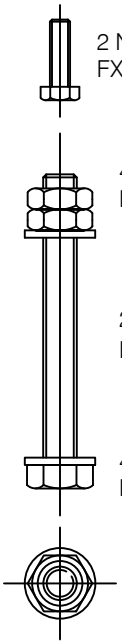
(CUT FROM CS904)



(CUT FROM CS903)



(CUT FROM CS903)



2 No. M6x20mm SCREWS
FX676XSLF

4 No. M10 Locking Nuts.
FX673XSLF

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

4 No. M10 Nylon Washers.
FX674XSLF

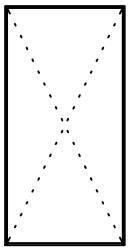
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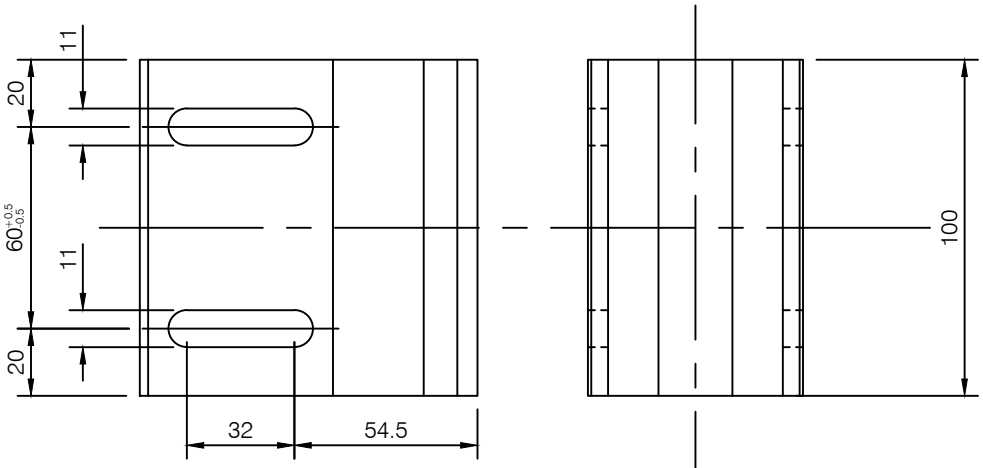
Issue: 05
Date: 10-16

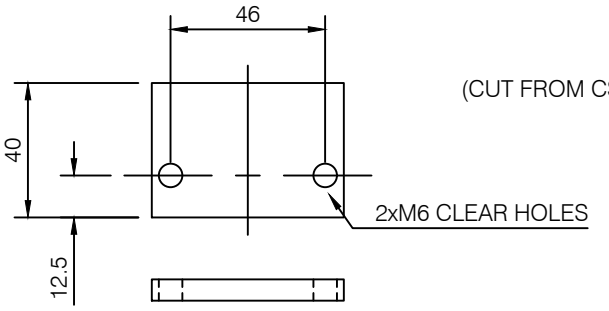
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Wall fixing bracket instructions (jamb) CW671
Page 2

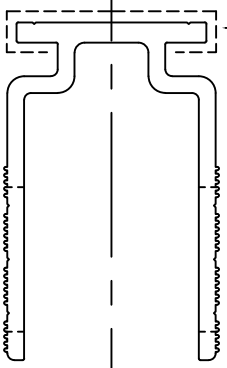


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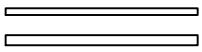


(CUT FROM CS902)



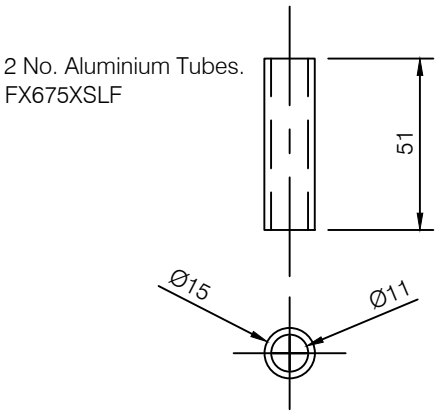
Aluminium glue to be applied before assembly (SE007)
Not supplied in kit.

1 No. 2 1/4" x 1/4" Aluminium Flat
CL006XSLF



2mm packer - CL012XSLF (pack of 10)
3mm packer - CL013XSLF (pack of 10)

Packers are purchased as separate items.



KIT COMPRISES

1 No. CS901 Component
1 No. CS902 Component
4 No. CS903 Components
1 No. Aluminium Flat. CL006XSLF
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
2 No. M6 x 20mm Screws.FX676XSLF

Fabricators Guide

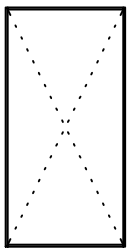
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Installation 7

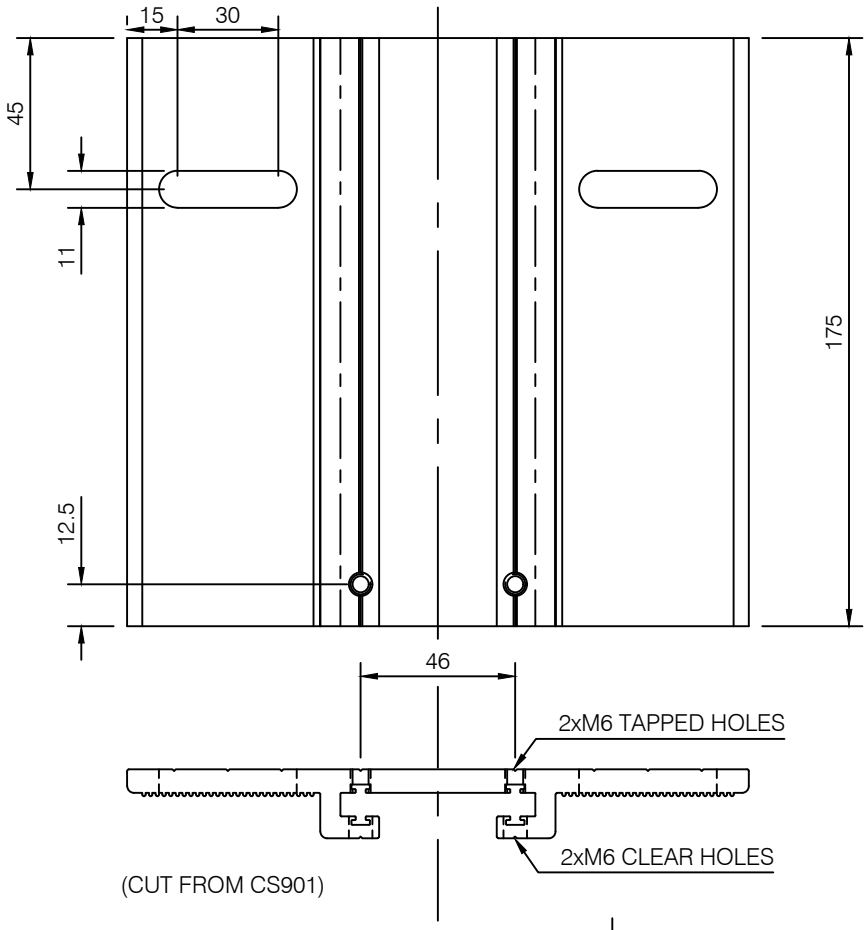
Comar 6EFT



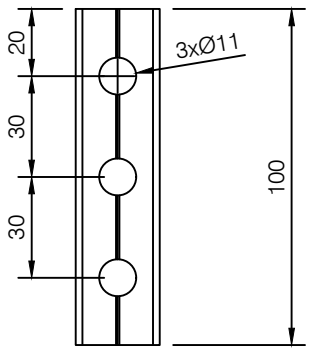
Wall fixing bracket (intermediate) CW672
Page 1

7.16

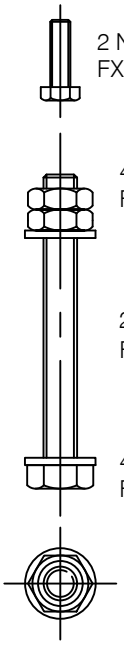
Fabricators Guide



(CUT FROM CS901)



(CUT FROM CS903)



2 No. M6 x 20mm SCREWS
FX676XSLF

4 No. M10 Locking Nuts.
FX673XSLF

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

4 No. M10 Nylon Washers.
FX674XSLF

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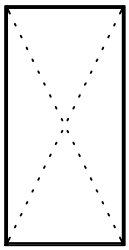
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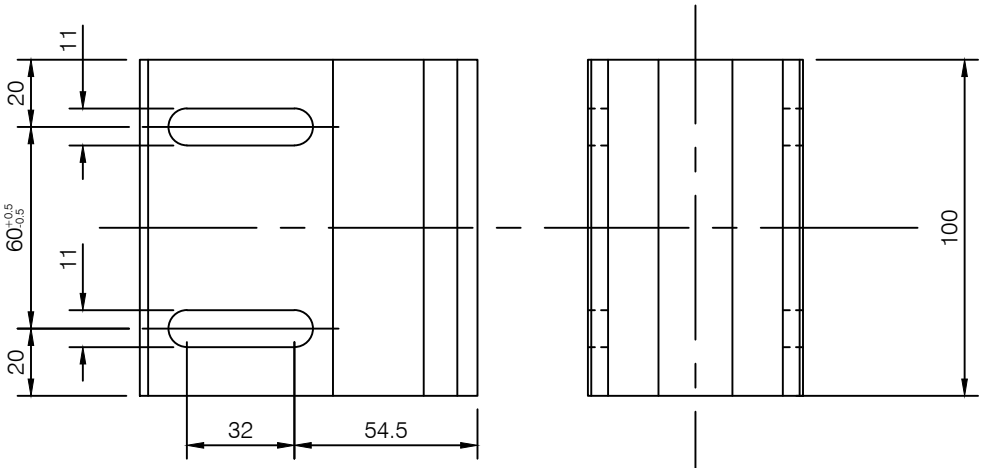
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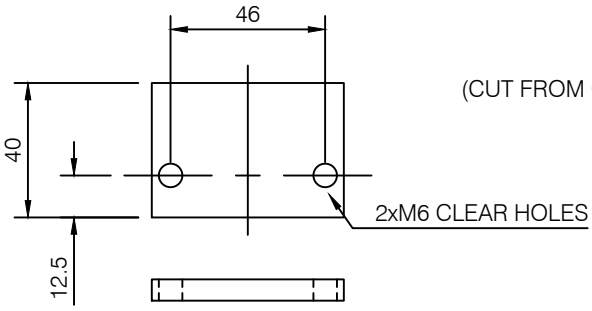
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Wall fixing bracket instructions (intermediate) CW672 Page 2

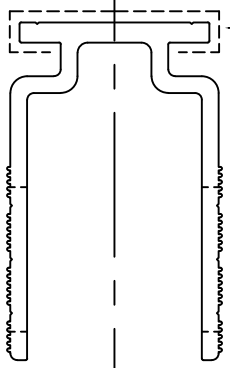


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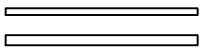


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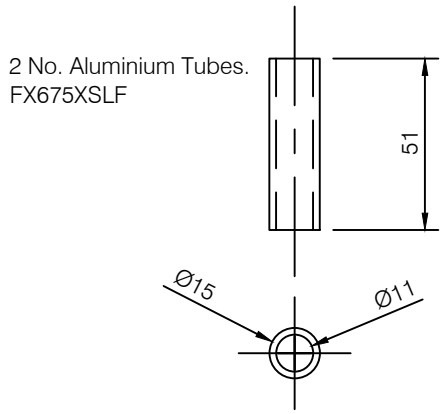
Aluminium glue to be applied before assembly (SE007)
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1 No. 2 1/4" x 1/4" Aluminium Flat
CL006XSLF



2mm packer - CL012XSLF (pack of 10)
3mm packer - CL013XSLF (pack of 10)

Packers are purchased as separate items.



KIT COMPRISES

1 No. CS901 Component
1 No. CS902 Component
4 No. CS903 Components
1 No. Aluminium Flat. CL006XSLF
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
2 No. M6 x 20mm Screws.FX676XSLF

Fabricators Guide

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Issue: 05
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Installation 7

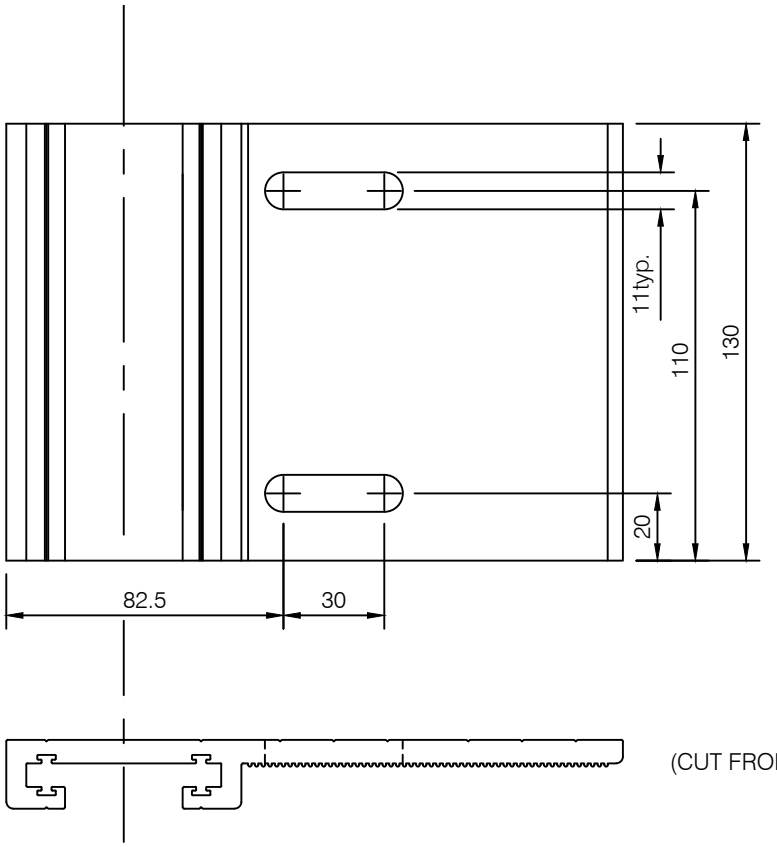
Comar 6EFT

Wall sliding bracket (jamb) CW673 Page 1

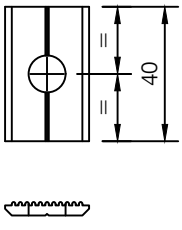
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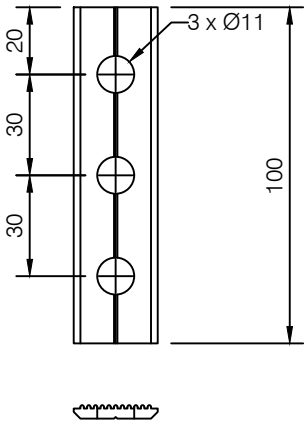
Fabricators Guide



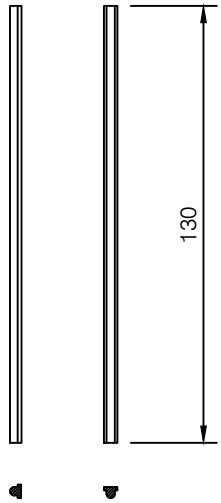
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(CUT FROM CS903)



(CUT FROM CS903)



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

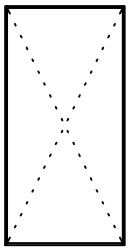
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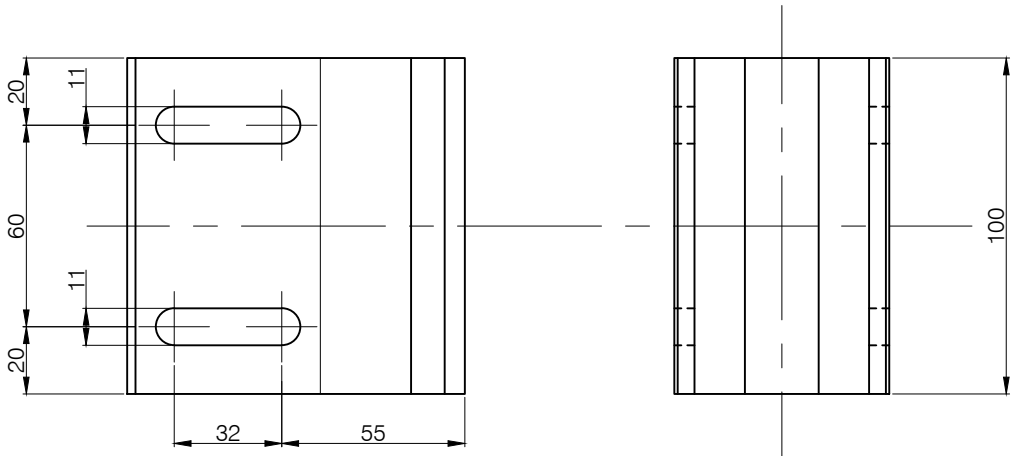
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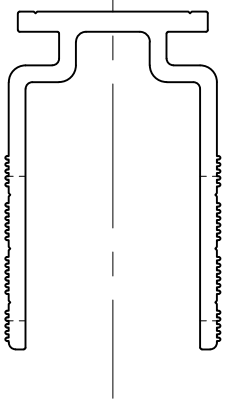
Wall fixing bracket (jamb) CW673
Page 2

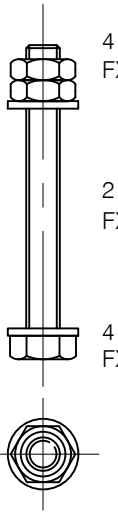


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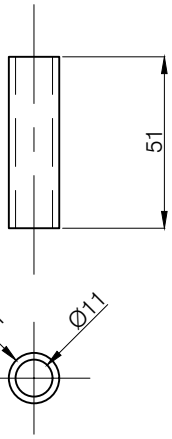




4 No. M10 Locking Nuts.
FX673XSLF

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

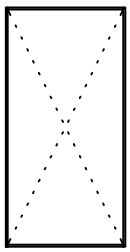
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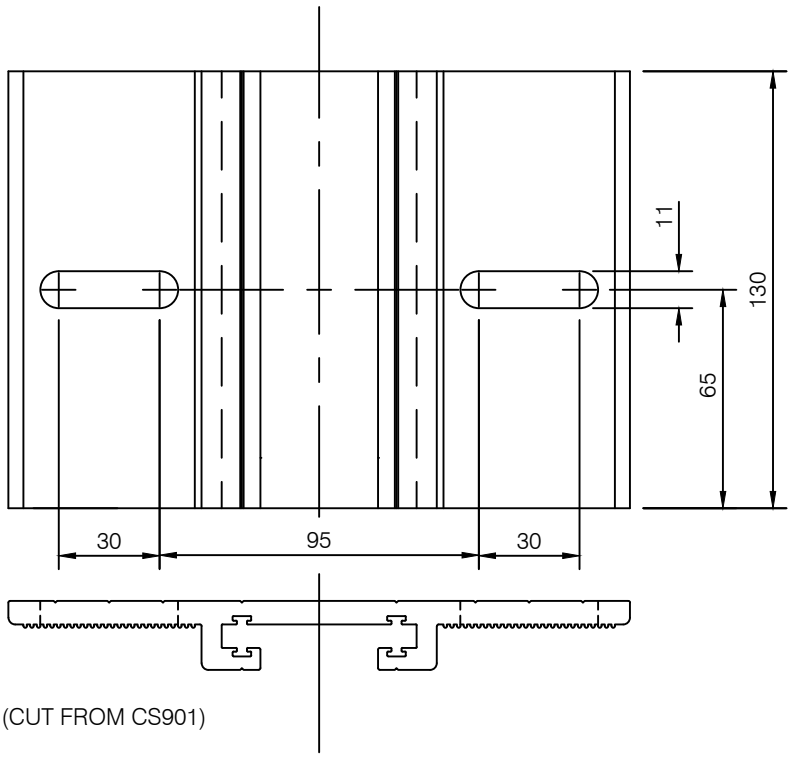
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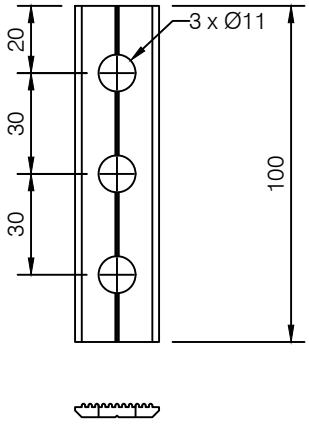
Wall sliding bracket (intermediate) CW674
Page 1



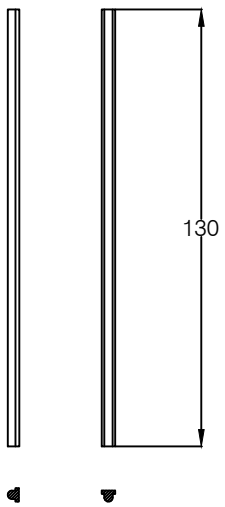
7.20



(CUT FROM CS901)



(CUT FROM CS903)



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

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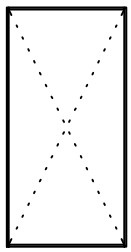
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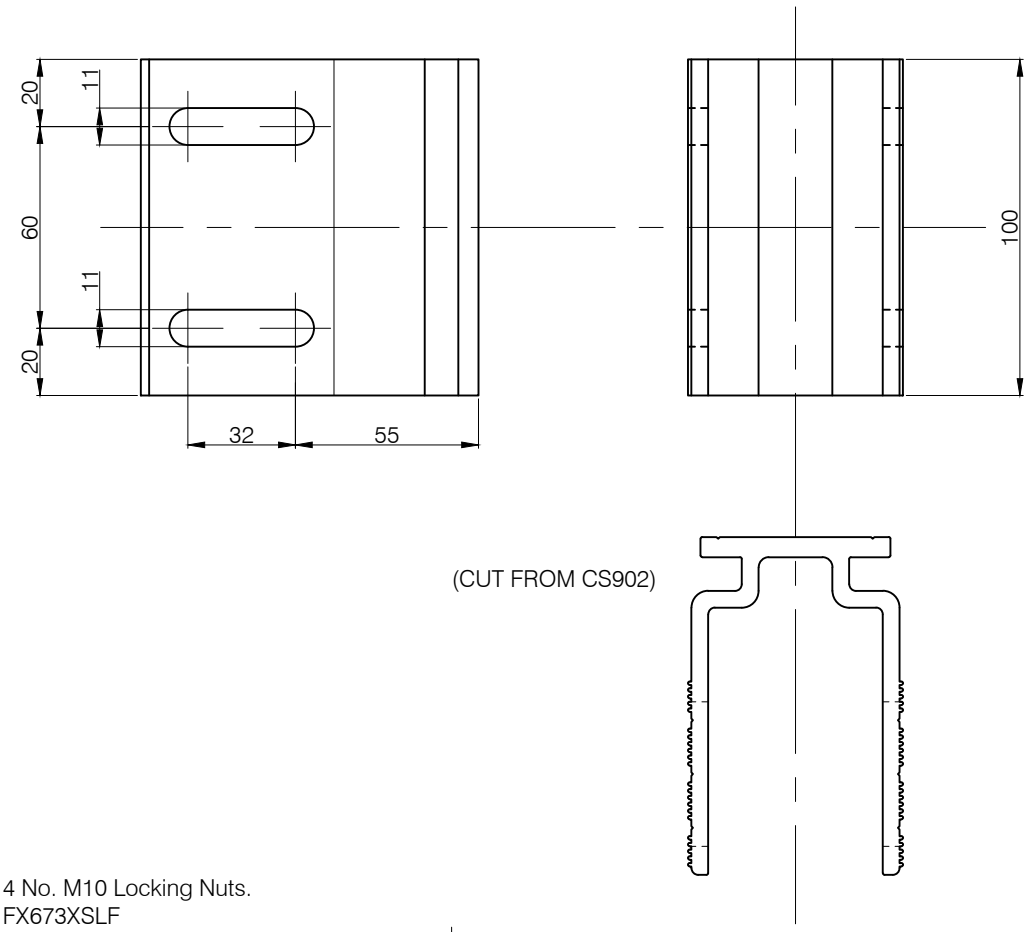
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Date: 10-16

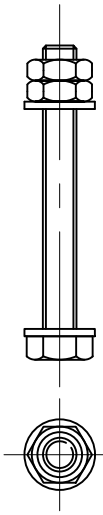
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Wall fixing bracket (intermediate) CW674 Page 2



7.21

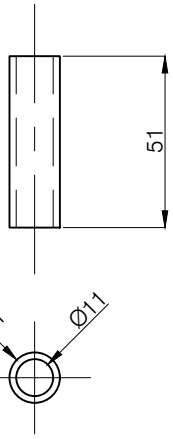




4 No. M10 Locking Nuts.
FX673XSLF

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
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4 No. M10 Nylon Washers. FX674XSLF

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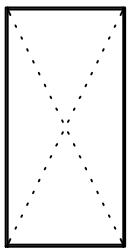
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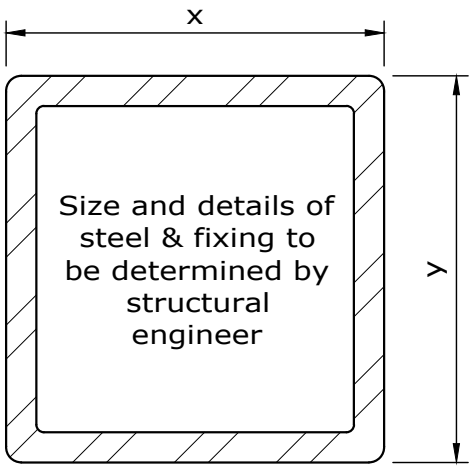
Profile Sections 7

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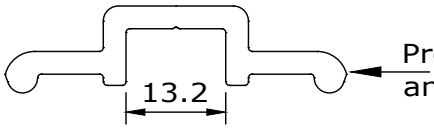
Direct fix to steel fixing lug preparation



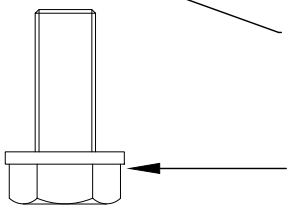
7.22



Aluminium to steel isolator (supplied by others)

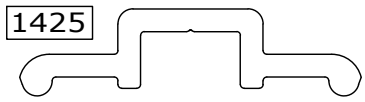


Profile 1425 (fixing lug) to be cut and drilled as shown below

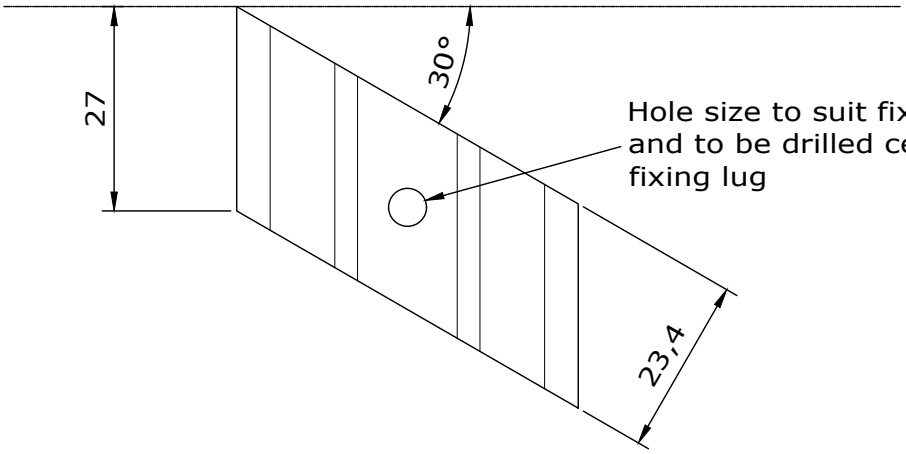


1mm spring washer (supplied by others)

Fixing bolt (supplied by others) to structural engineers specification



Profile 1425 to be cut and drilled to create fixing lugs as shown



Hole size to suit fixing bolt size and to be drilled centrally on cut fixing lug

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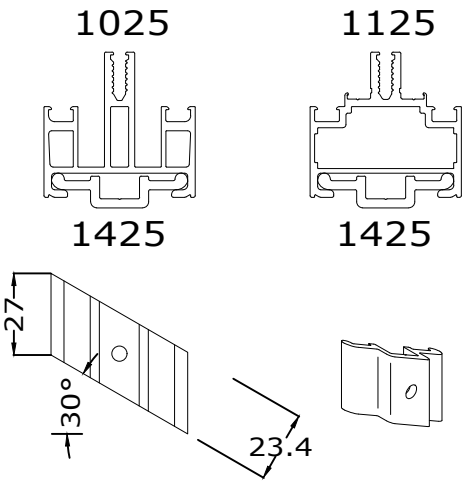
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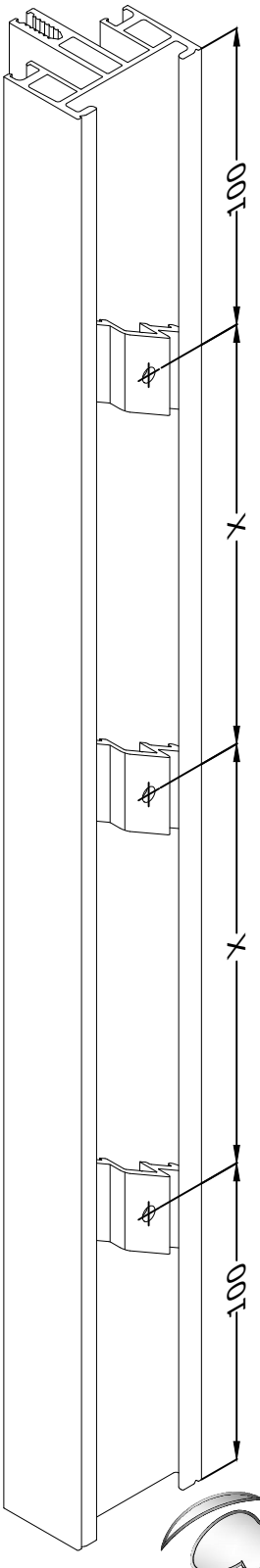
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Direct fix to steel
Fixing lug spacing





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

Fabricators Guide

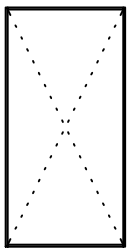
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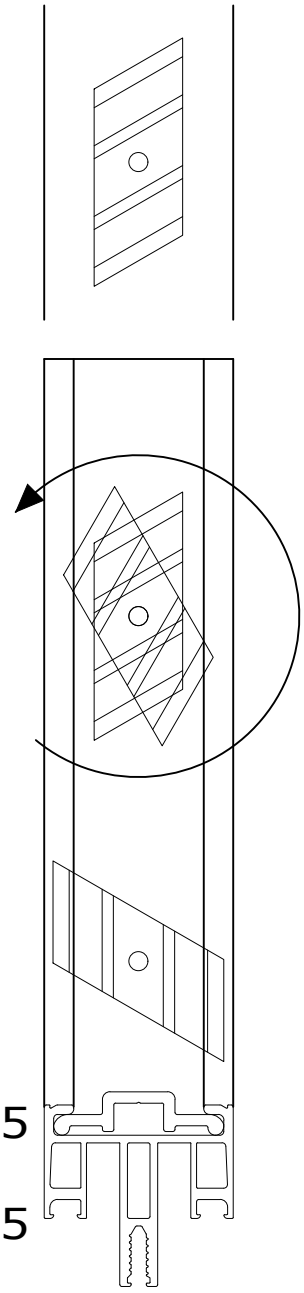
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Direct fix to steel
Fixing lugs



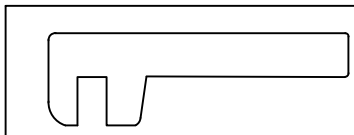
7.24



1. Aluminium to steel seperator, 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°



Example of Lug Tool
(not supplied by COMAR)
This tool to be made to suit by Fabricator

4. Toggle in final position

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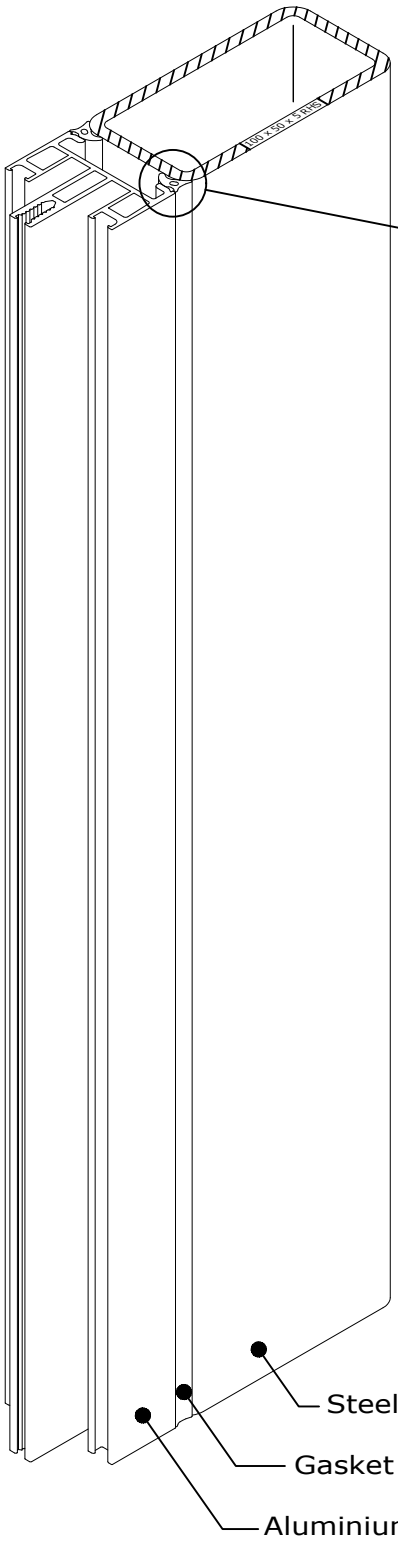
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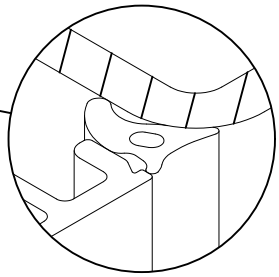
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Direct fix to steel
Internal sealing



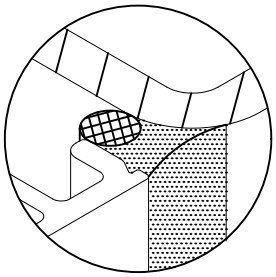
The internal seal between the aluminium profile and the steel can be a gasket or silicone sealant.

Gasket seal



or

Silicone seal



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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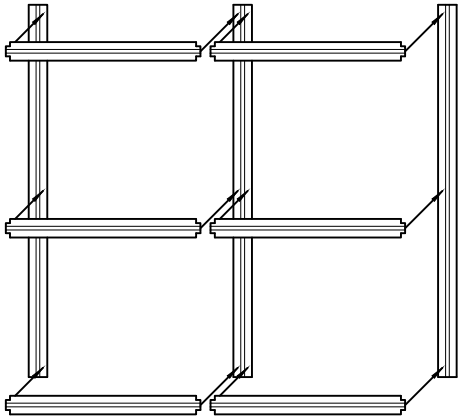
Installation methods

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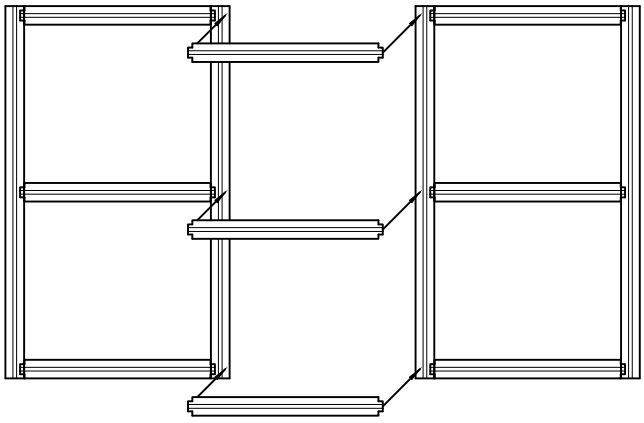
Installation Method: 1

Mullions followed by transoms.



Installation Method: 2

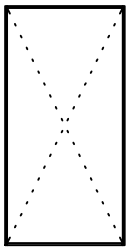
Elements (ladders) followed by intermediate transoms.

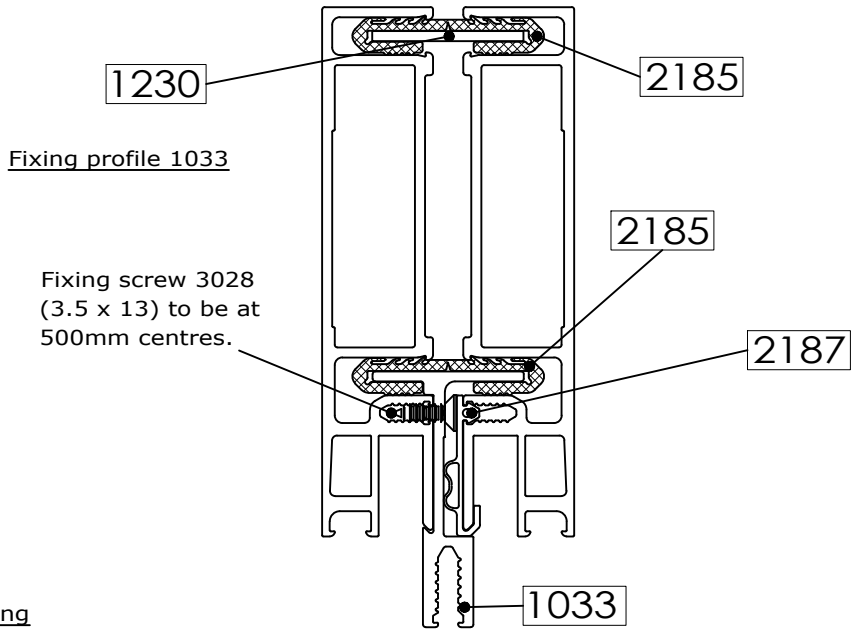


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Split mullion details





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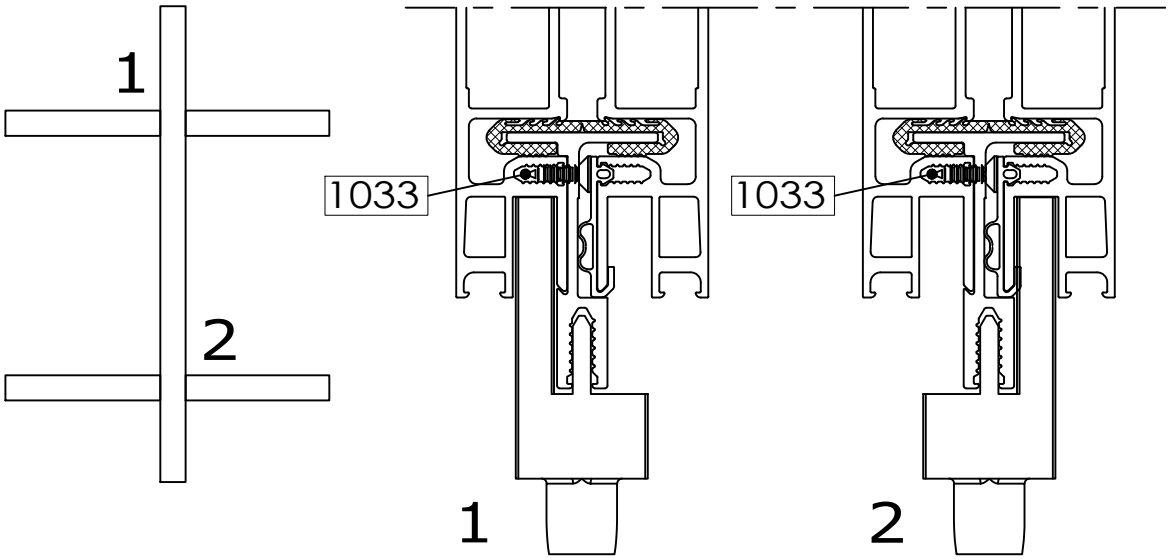
Mullion-transom fixing

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.



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Installation 7

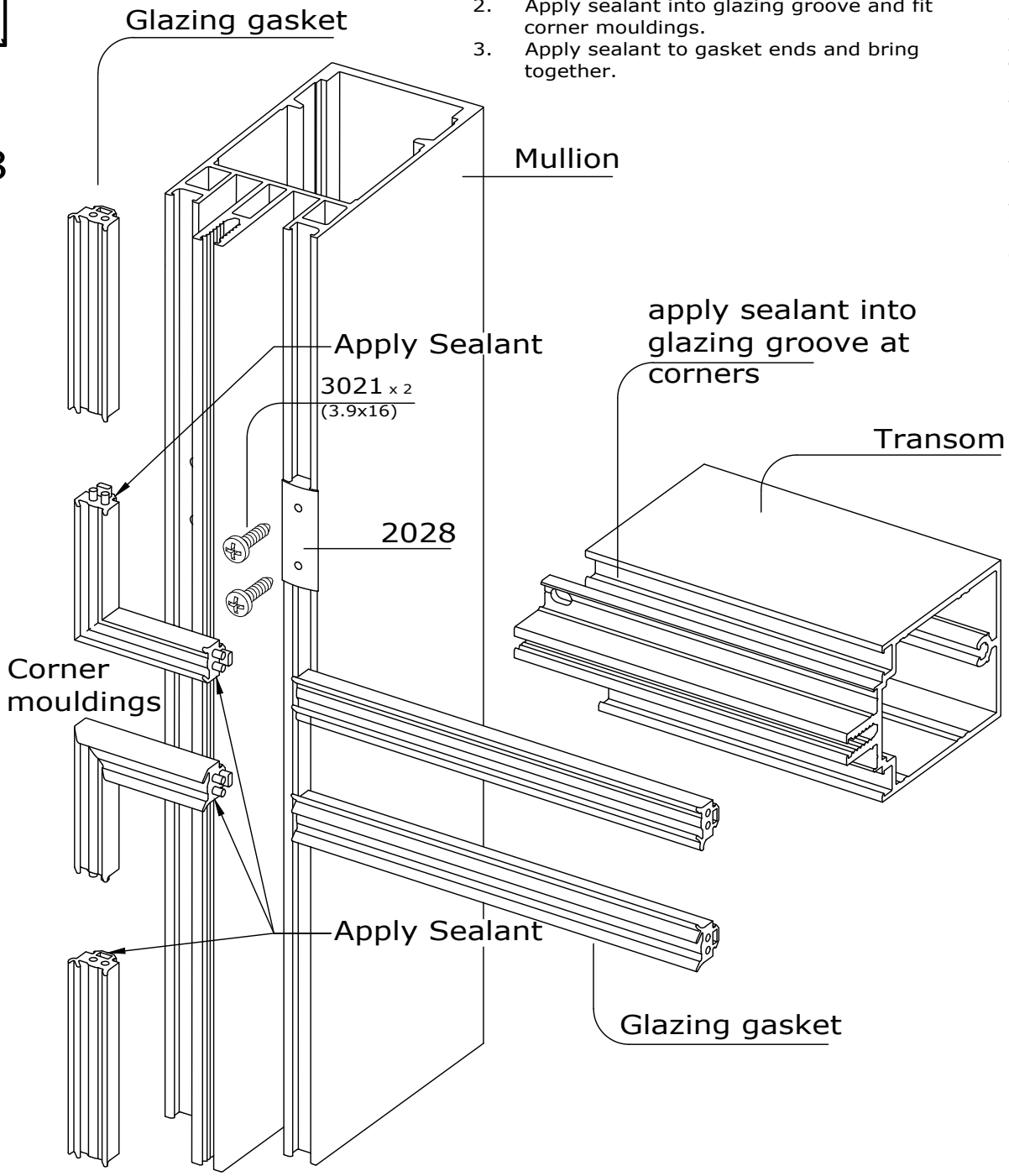
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Mullion - Transom connection (Option 1)

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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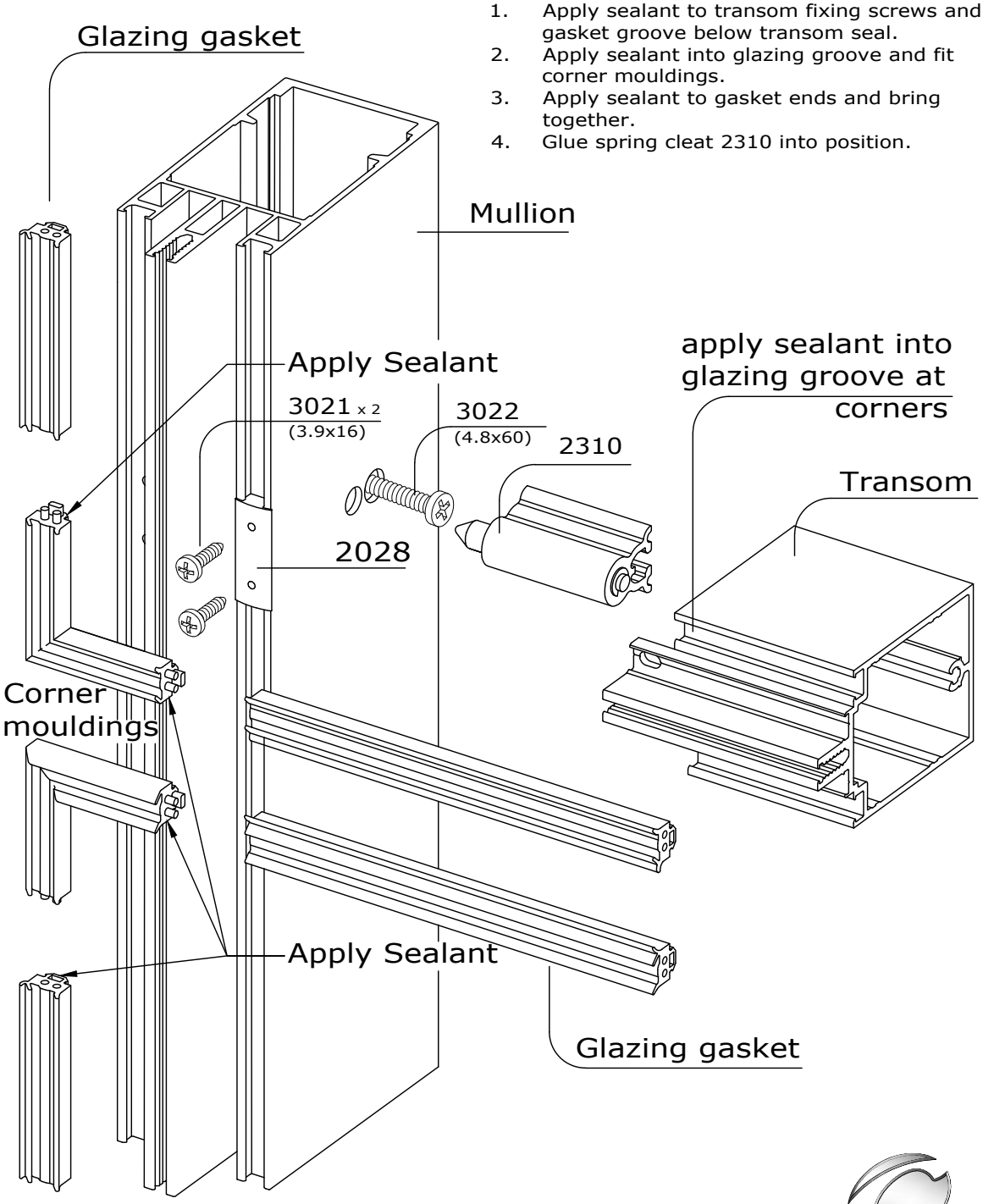
Mullion - Transom connection (Option 2)

(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.

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Mullion - Transom connection (Option 3)

(for making ladder units)

(for transoms installed between mullions or ladders)

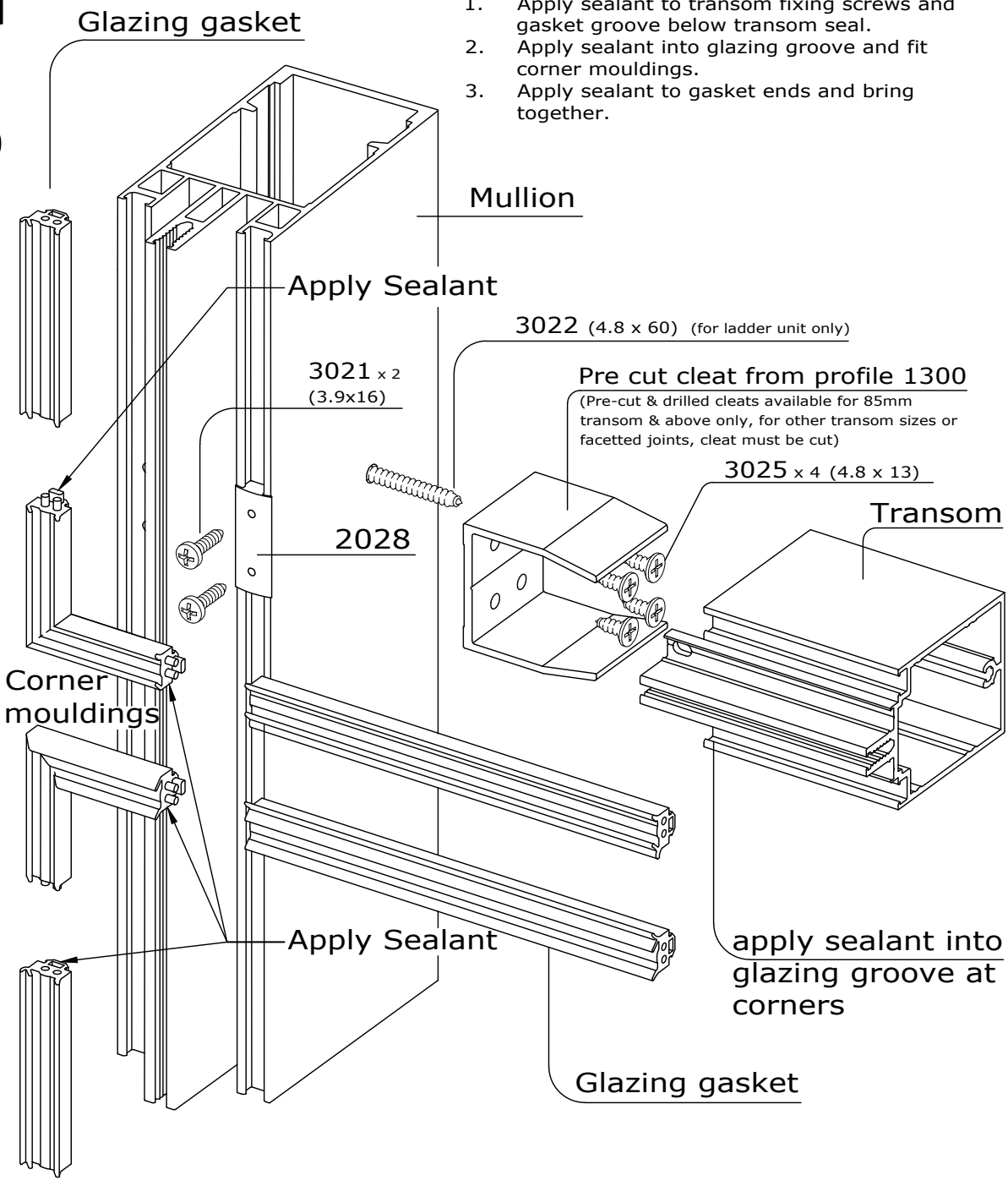
Notes:

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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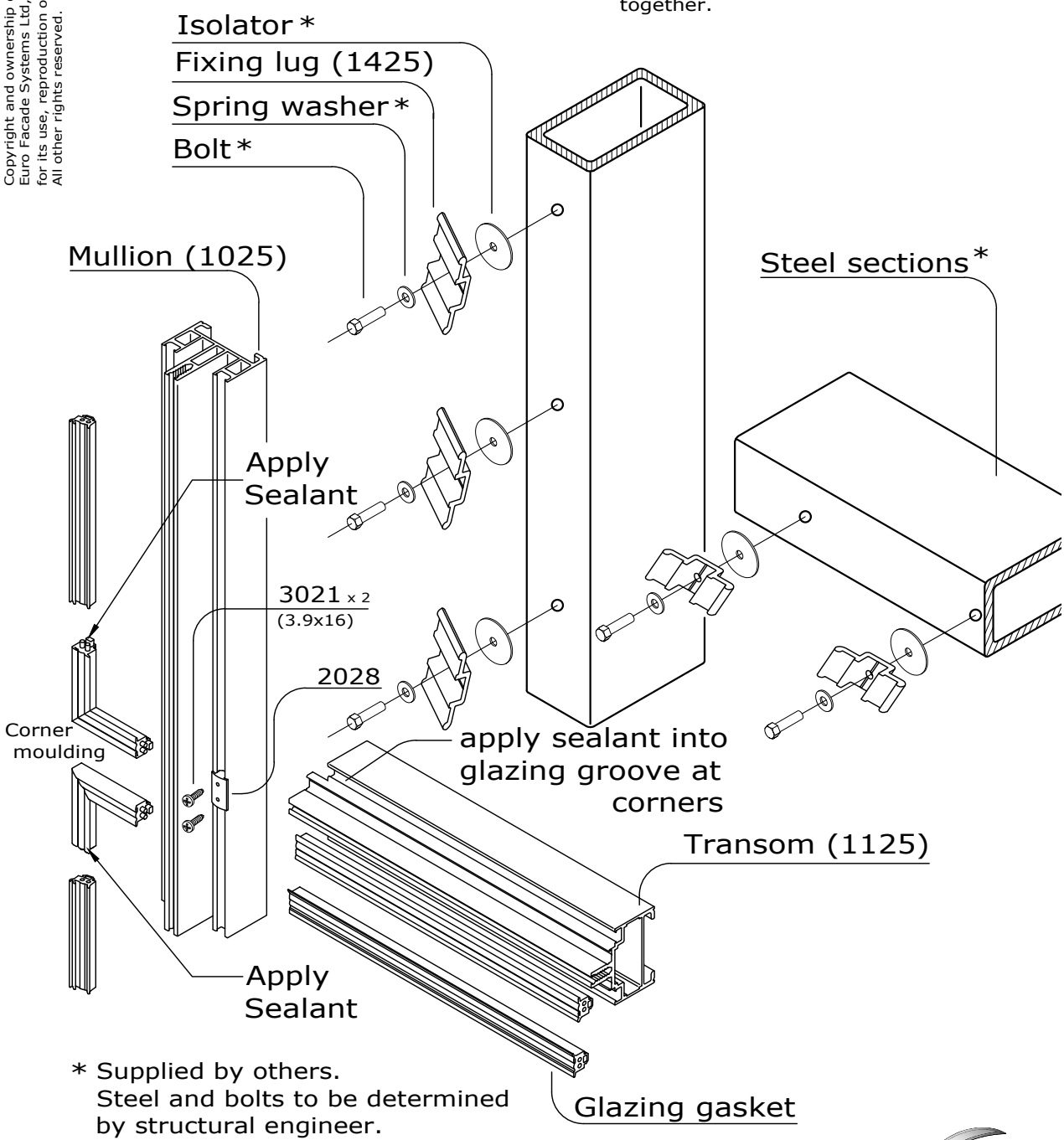
Mullion - Transom Connection (Option 4)

(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.

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* Supplied by others.
Steel and bolts to be determined by structural engineer.

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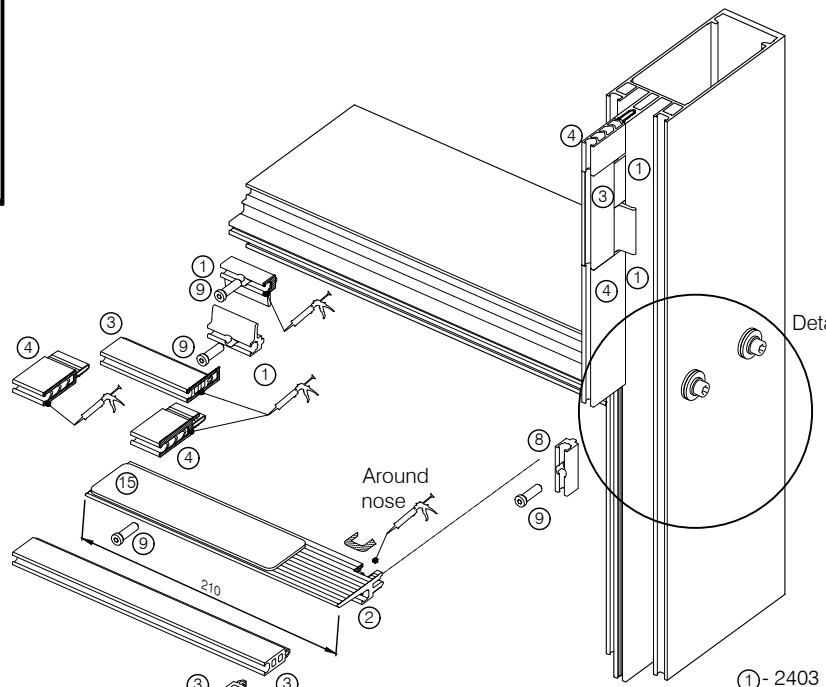
Installation 7

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Heavy glass support Connection (Option 5)

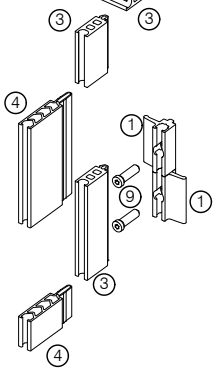
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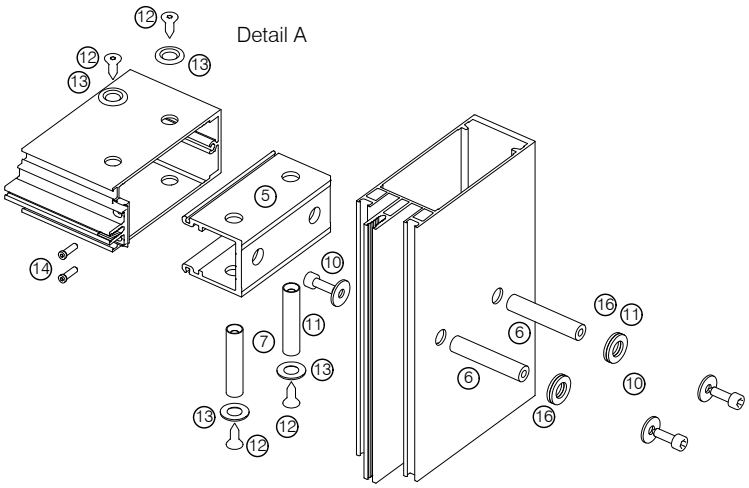




APPLY SEALANT TO ALL JOINTS



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



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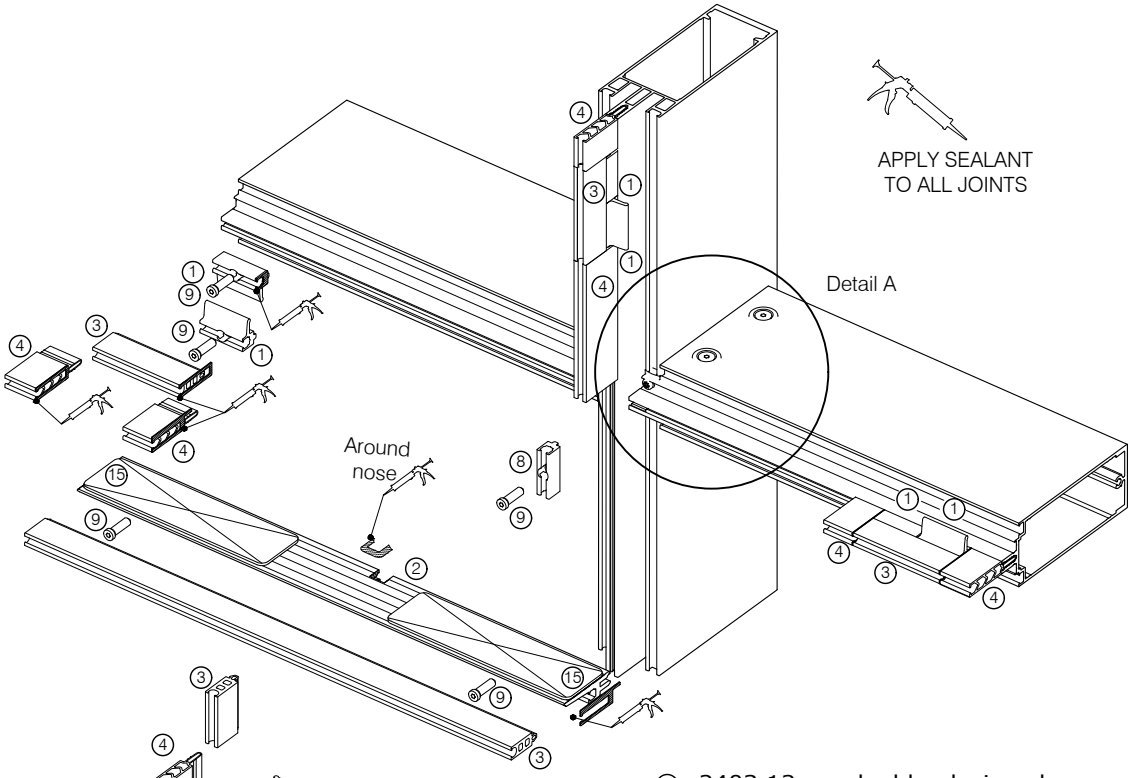
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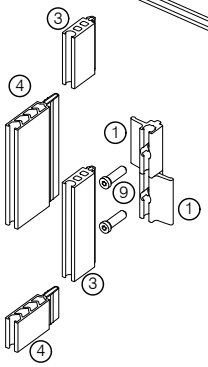
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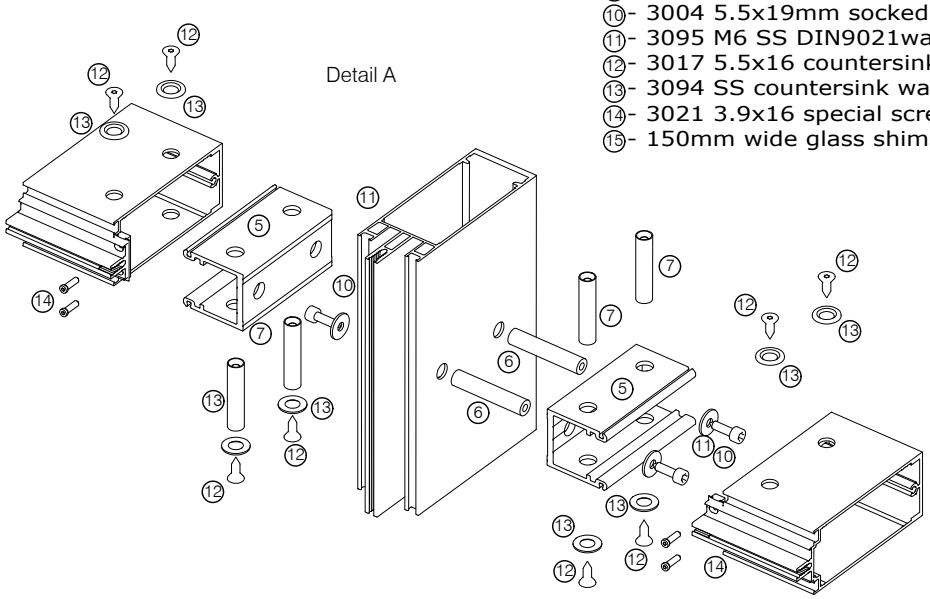
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Heavy glass support Connection (Option 5)







①- 2403 12mm double glazing clamp
②- 140x series 12mm x 400mm 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 SS DIN9021washer
⑫- 3017 5.5x16 countersink screw
⑬- 3094 SS countersink washer
⑭- 3021 3.9x16 special screw
⑮- 150mm wide glass shims

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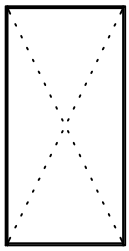
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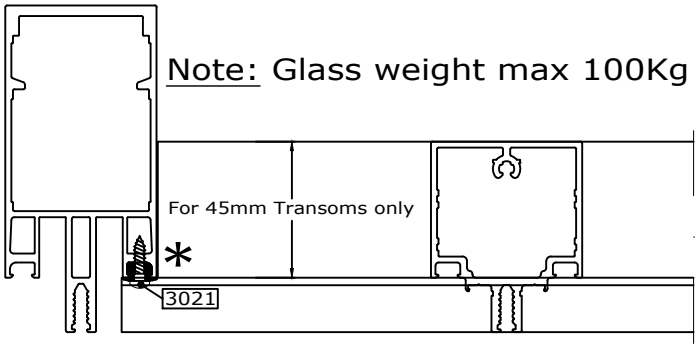
Mullion-transom Connection options



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Option 1

Screws EFT-3021

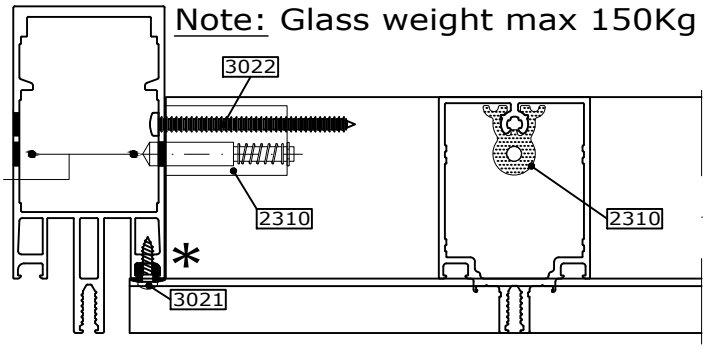


Ladders / units

Option 2

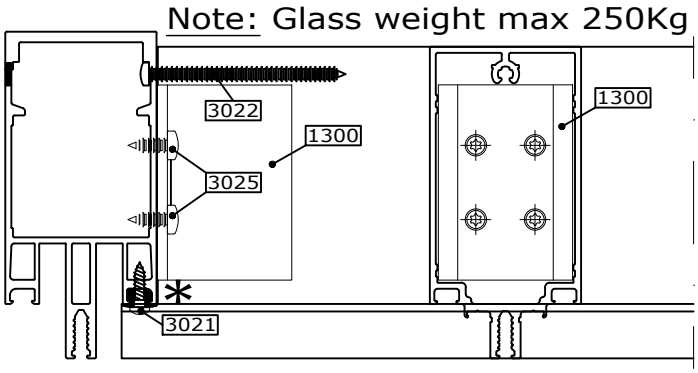
Spring loaded cleat
EFT-2310
or
Screw EFT-3022

Tooling: Com6-EFT-Jig1



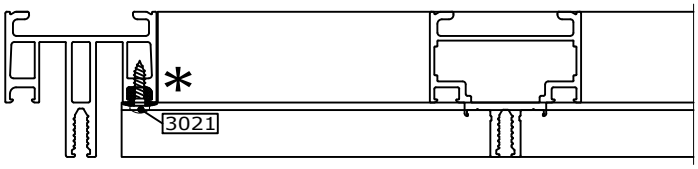
Option 3 or 3a

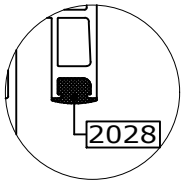
Precut & drill cleat
profile EFT-1300 to length



Option 4

For 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.

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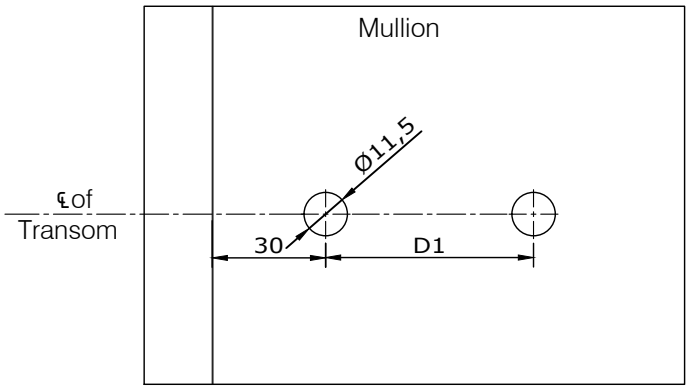
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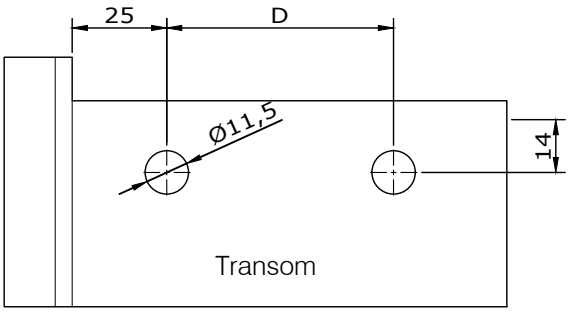
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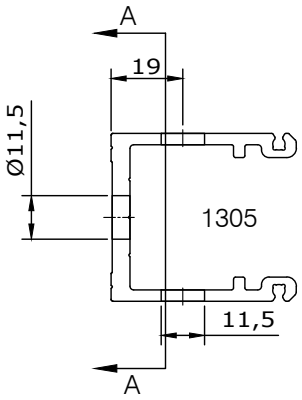
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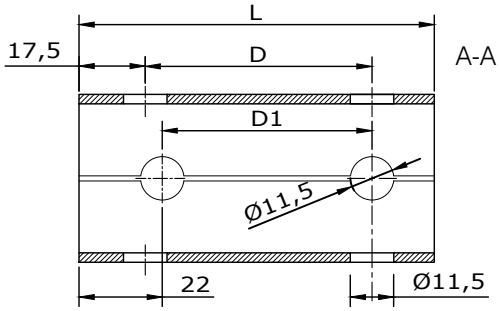
Mullion - Transom Connection





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

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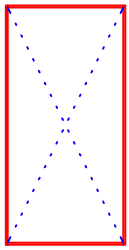
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Fabrication

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Future Additions



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FUTURE ADDITION

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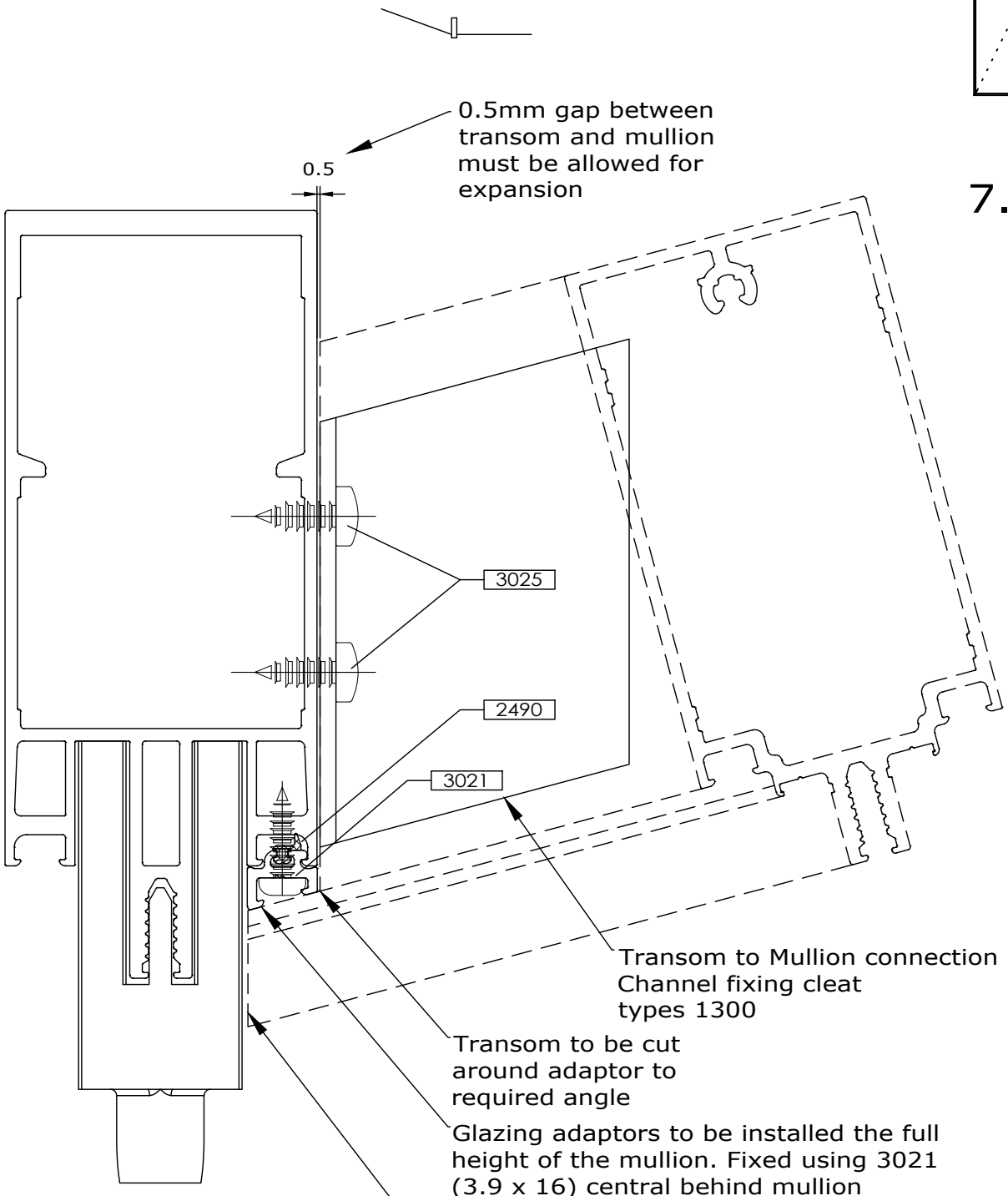
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Facetted transom preparation
External Corner



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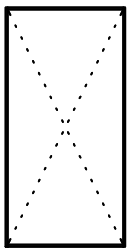
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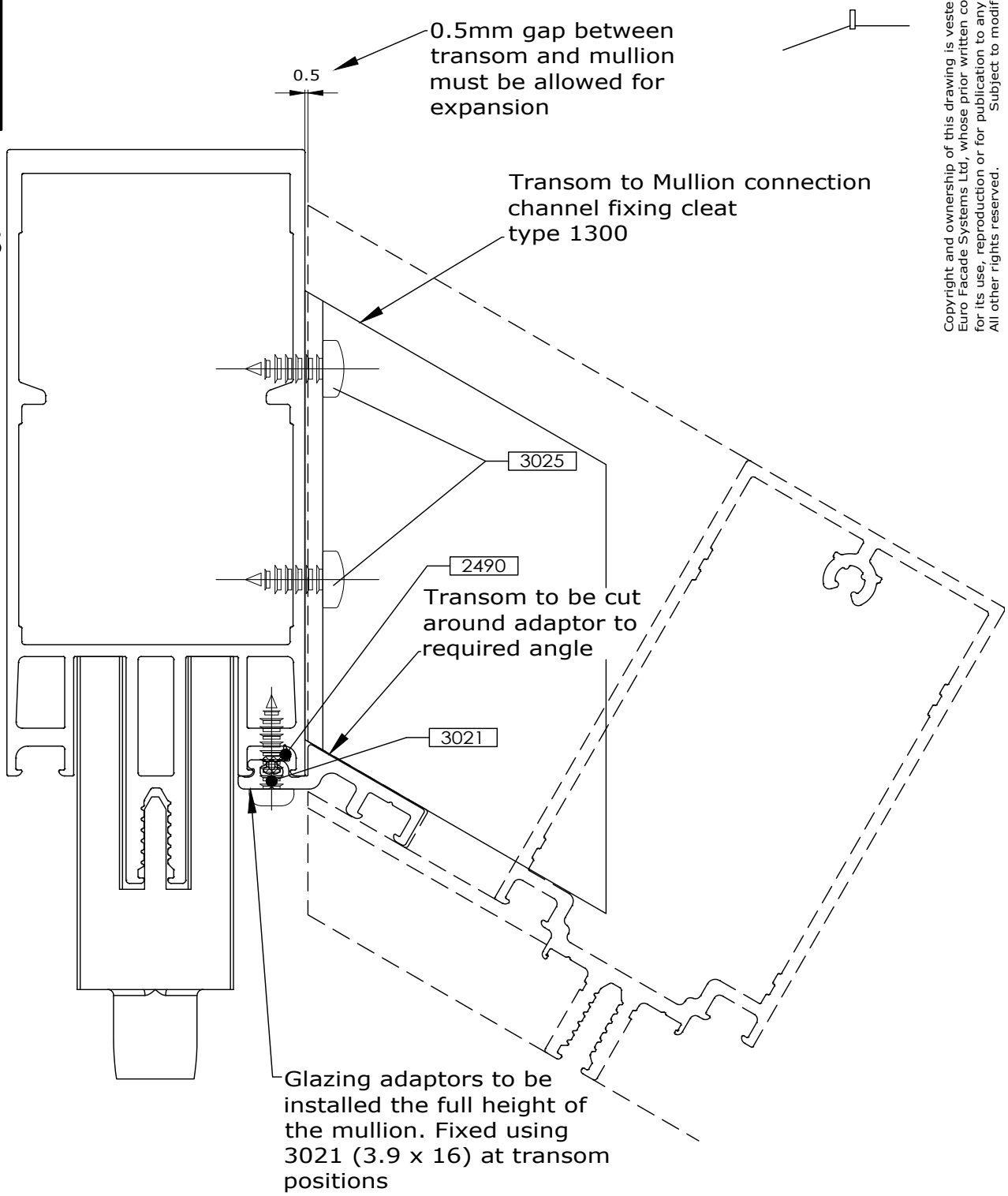
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Facetted transom preparation Internal Corner



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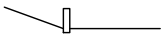
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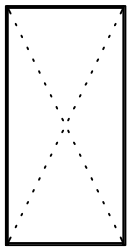
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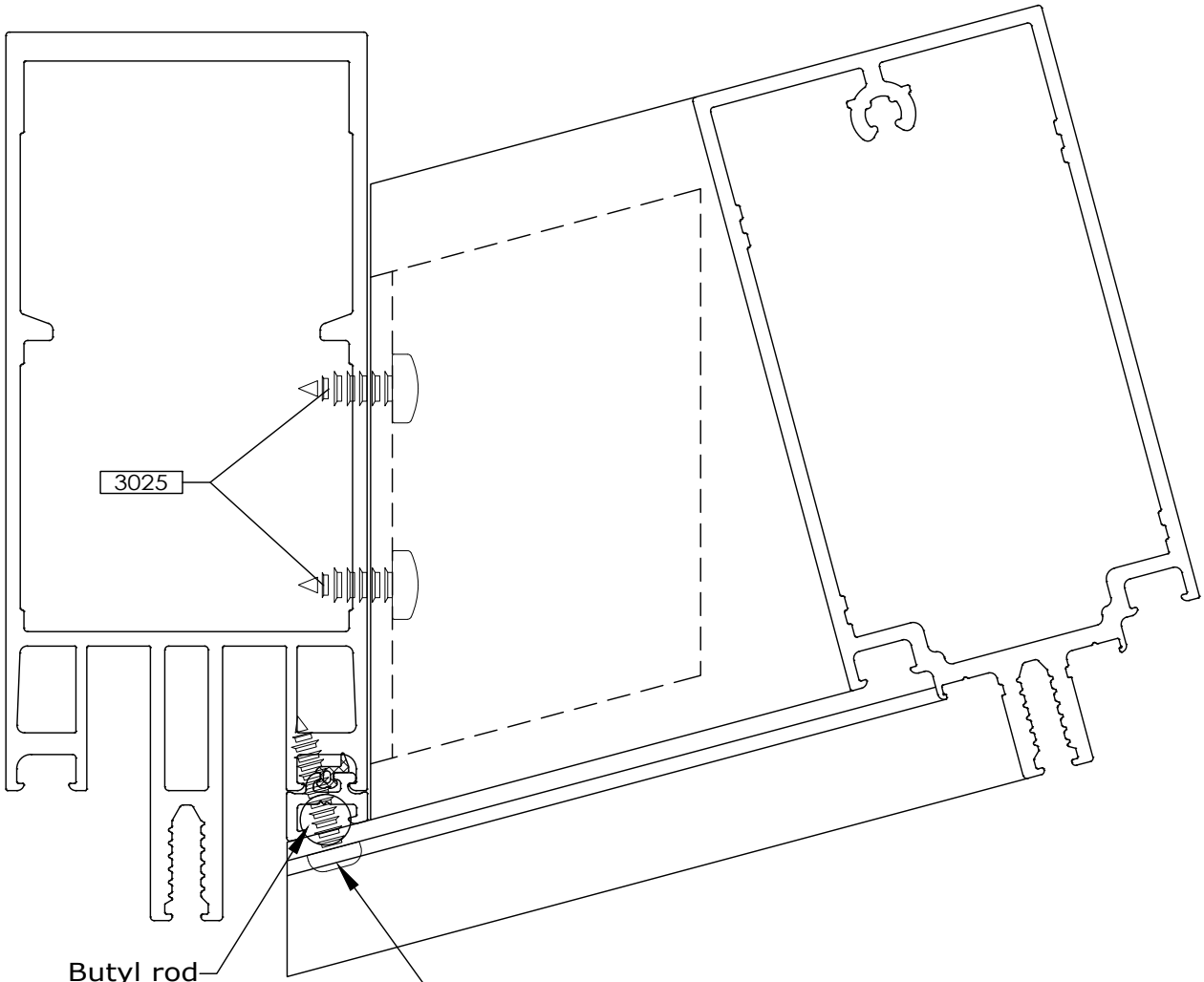
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Fixing facatted transoms External Corner





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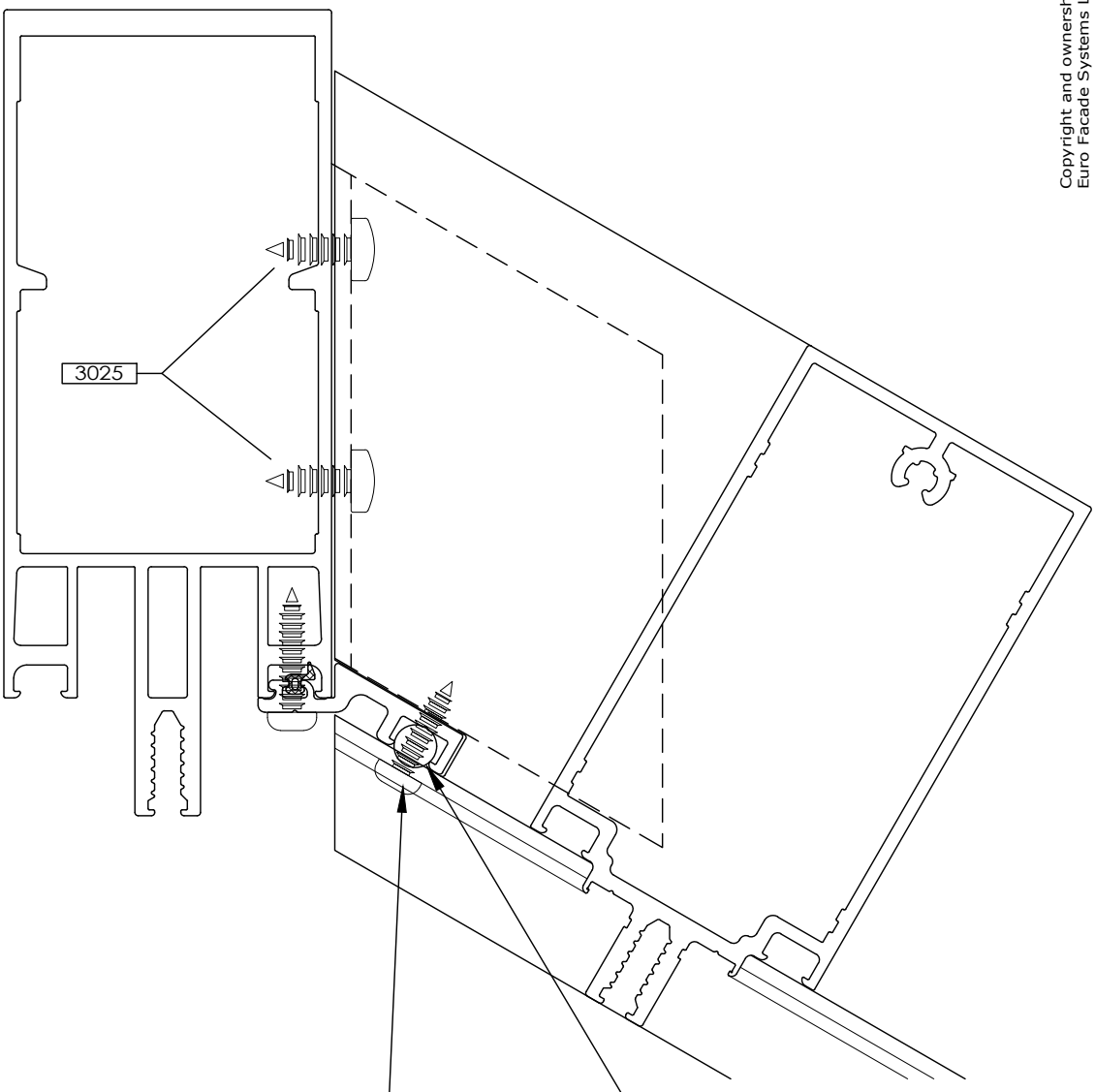
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Fixing facetted transoms
Internal Corner

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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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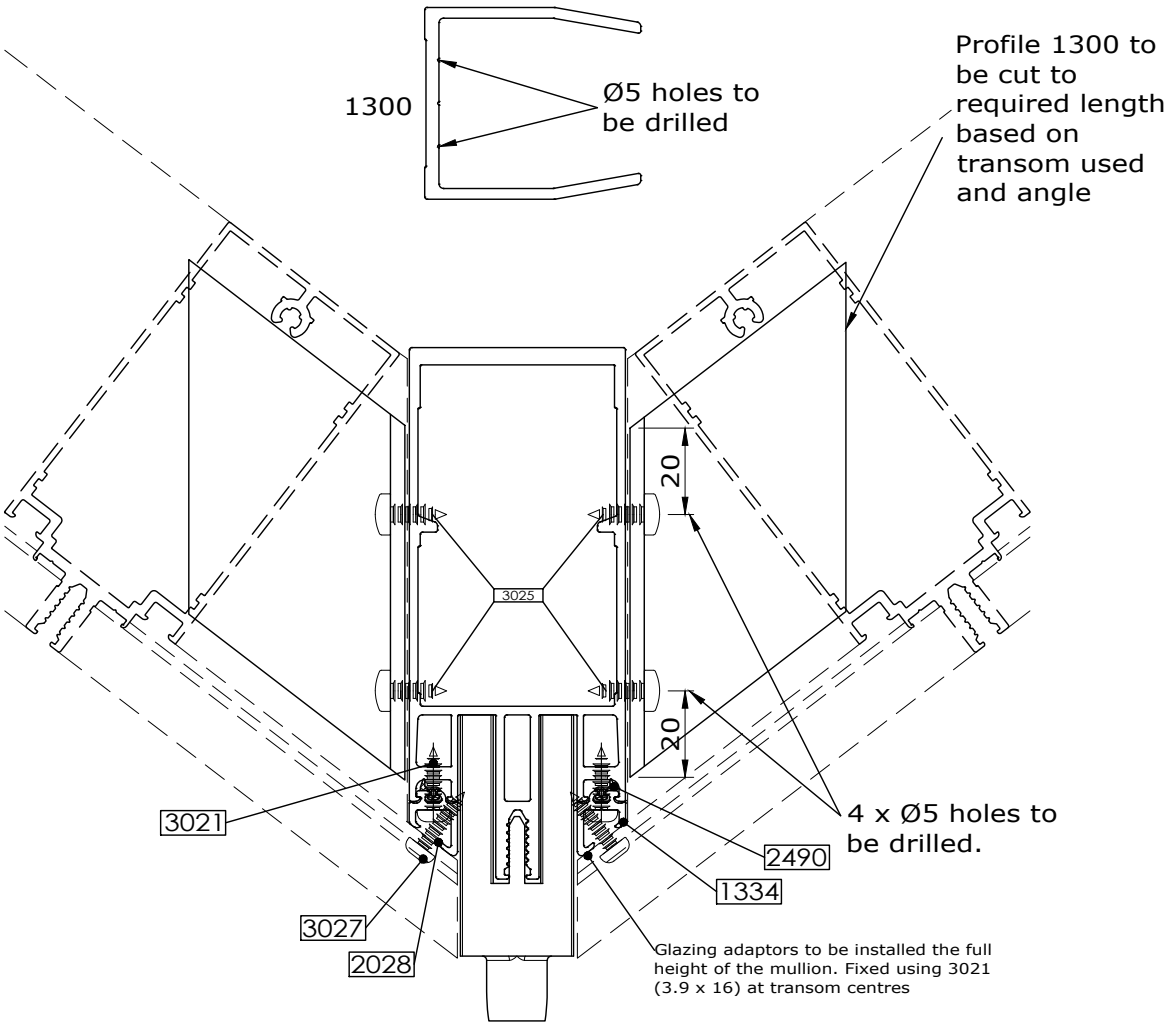
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Facatted transom
Cleat Preparation
External Corner

Any facetted 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.

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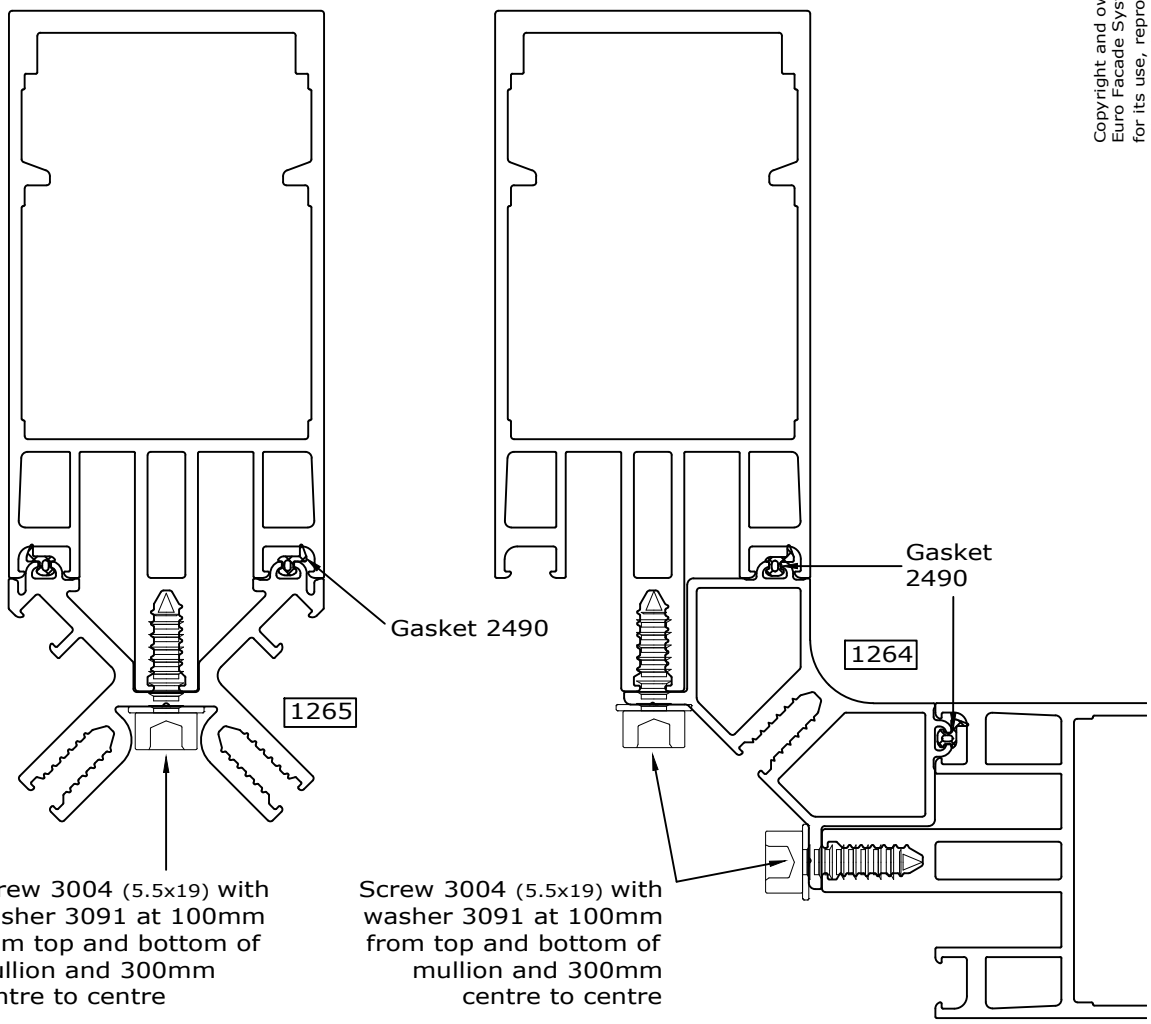
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Fixing adaptors 1264 & 1265

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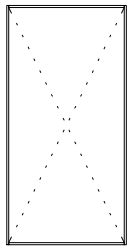
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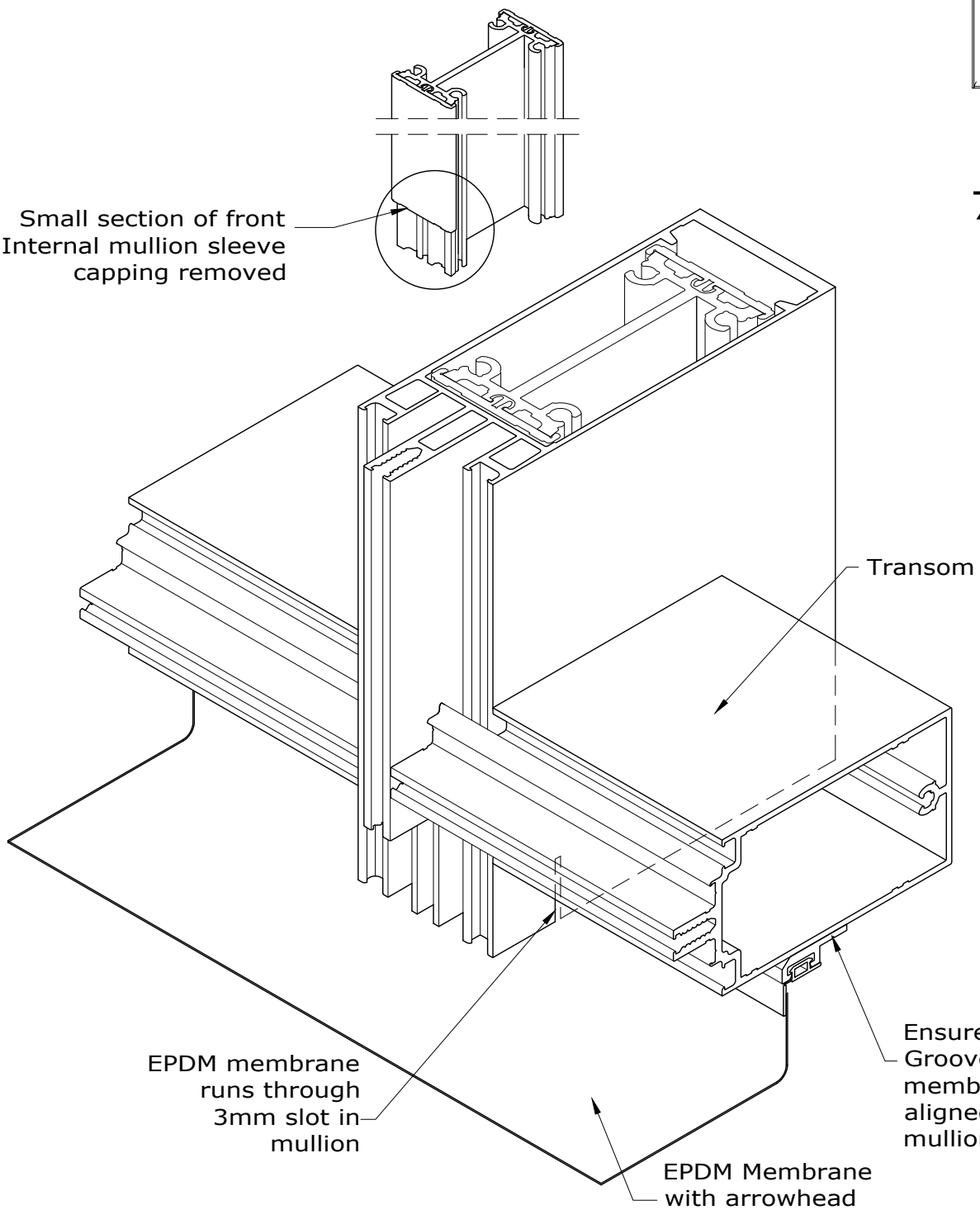
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EPDM membrame
Transom Sill, Head & Mullion preparation



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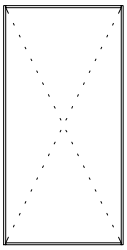
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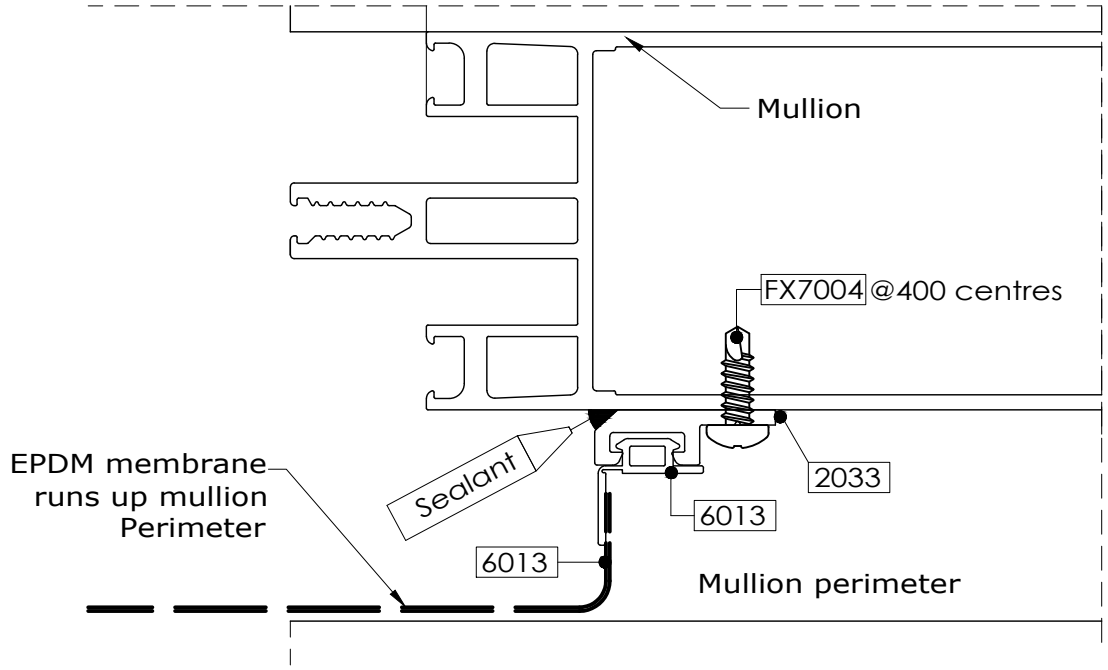
Installation 7

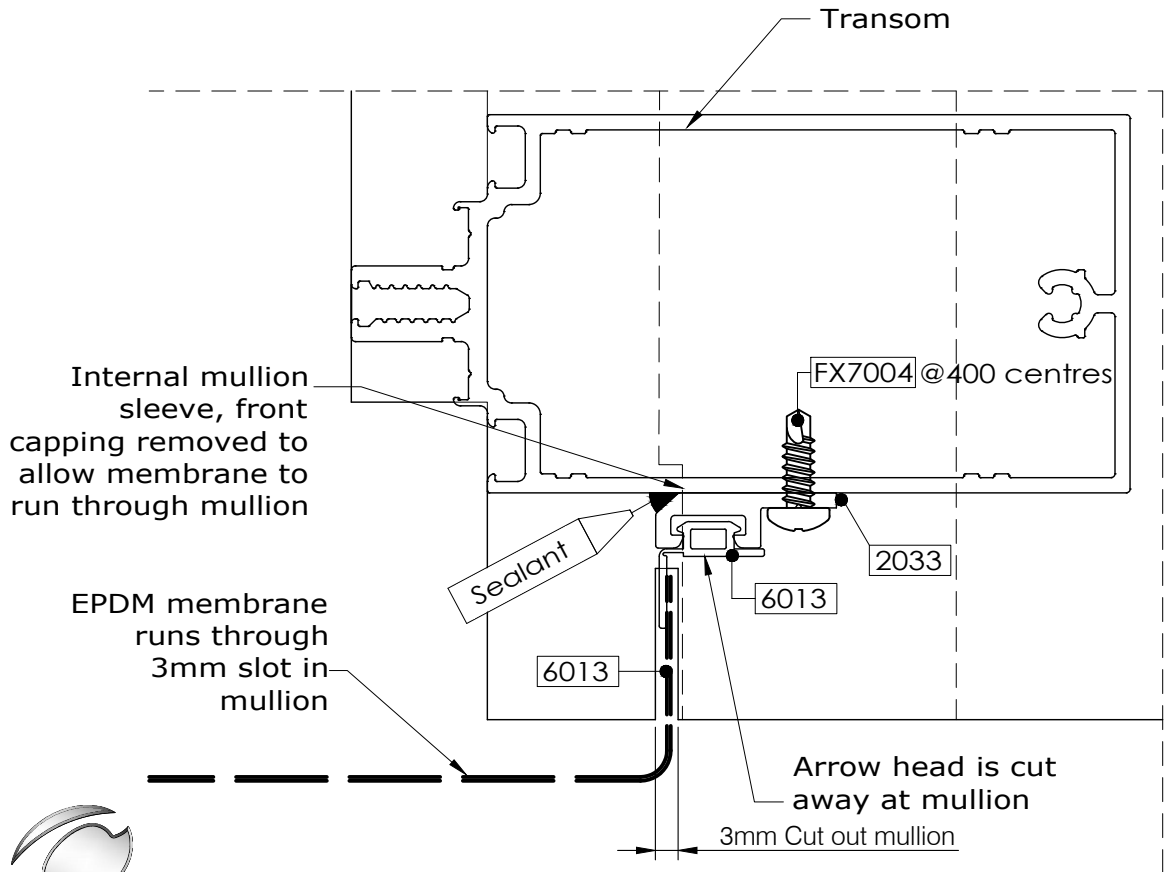
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EPDM membrame Curtain wall perimeter Preparation



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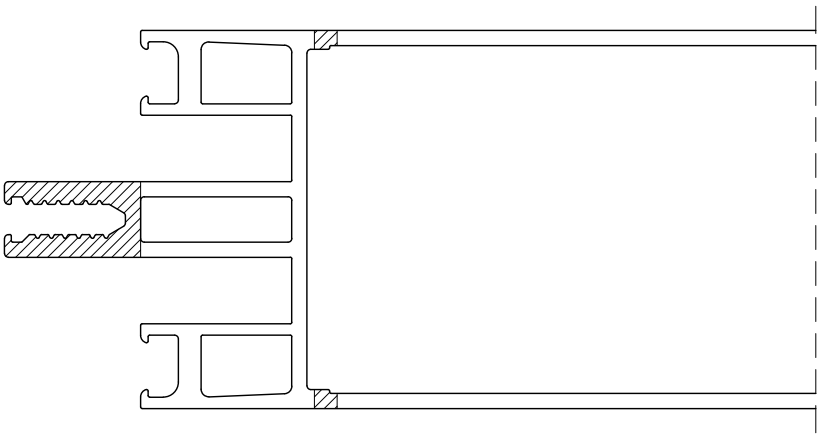
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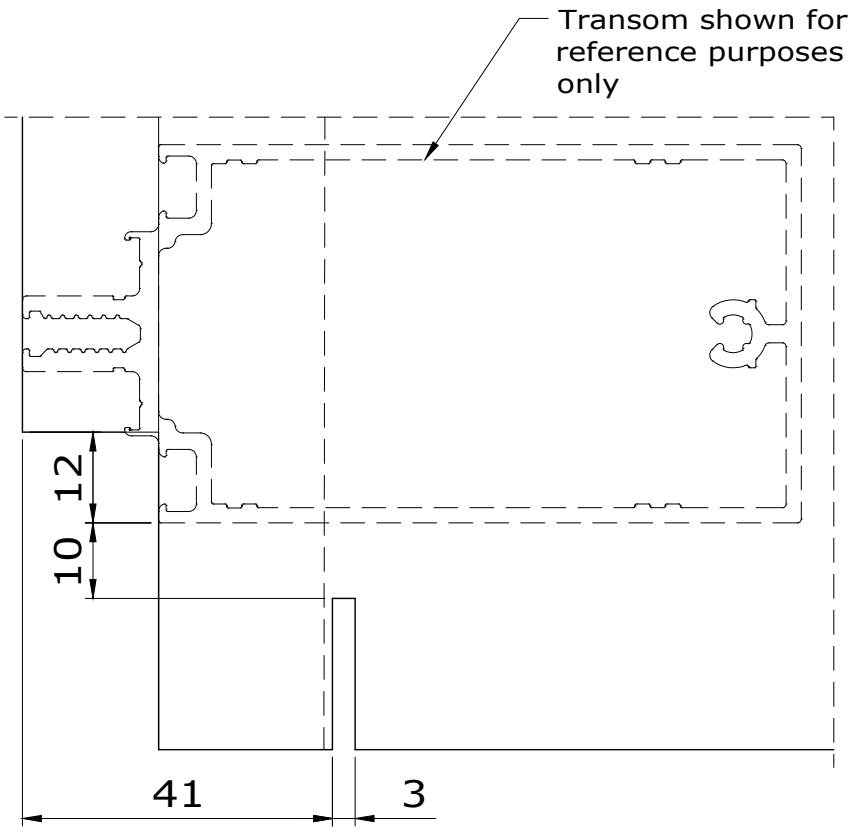
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EPDM membrame
Mullion preparation
Slot cutting details



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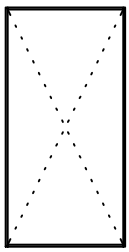
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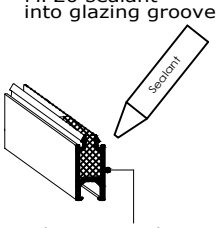
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Glazing adaptors



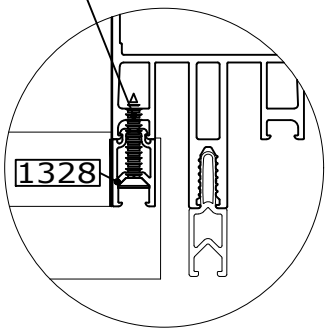
Apply Arbomeric MP20 sealant into glazing groove



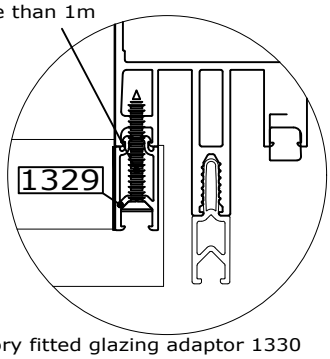
Install gasket 2490 wherever glazing adaptor is to be placed

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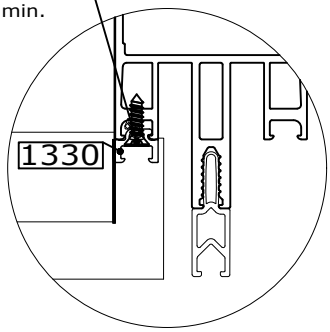
Factory fitted glazing adaptor 1328 fixed with screw 3024 (4.2 mm x 25 mm) Max pitch of 1m. 2 off min.

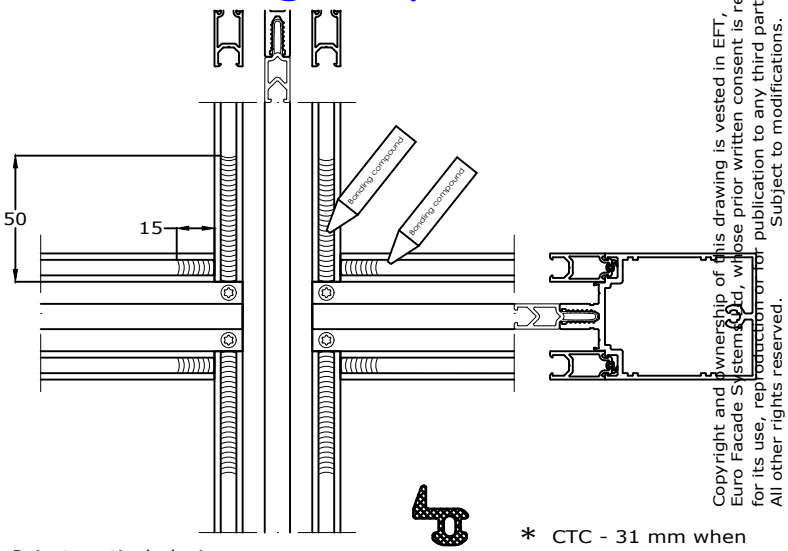


Factory fitted glazing adaptor 1329 fixed with screw 3026 (4.2 mm x 32 mm) 2 No min. Centres not more than 1m



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



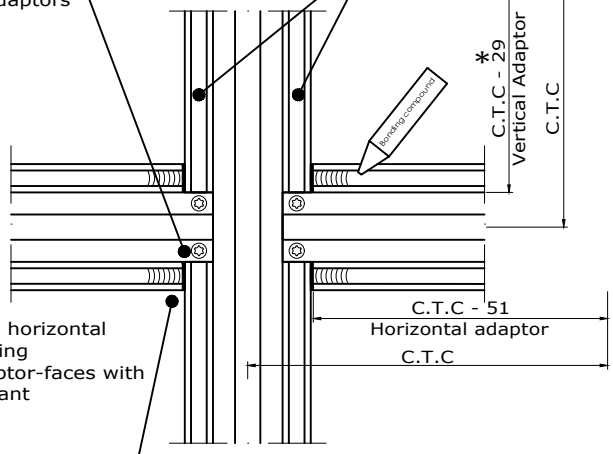


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Inject vertical glazing adaptors at top with sealant and install adaptors

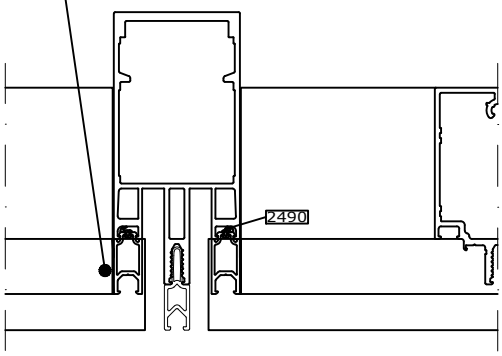


* CTC - 31 mm when the adaptor is bridging a mullion coupling



Seal horizontal glazing adaptor-faces with sealant

Install horizontal glazing adaptor



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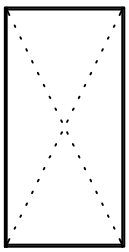
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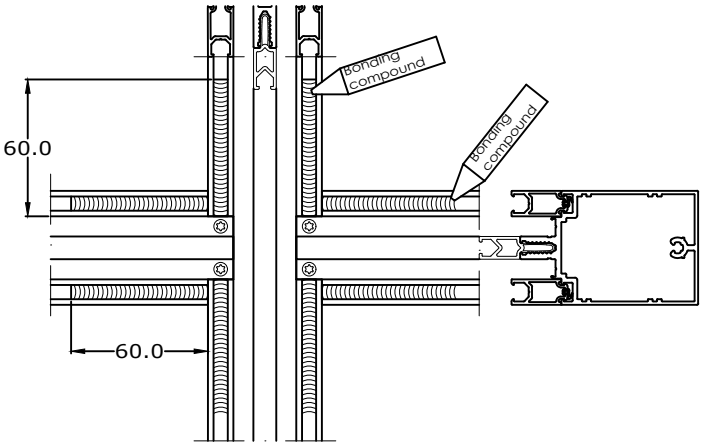
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Internal gaskets & corners

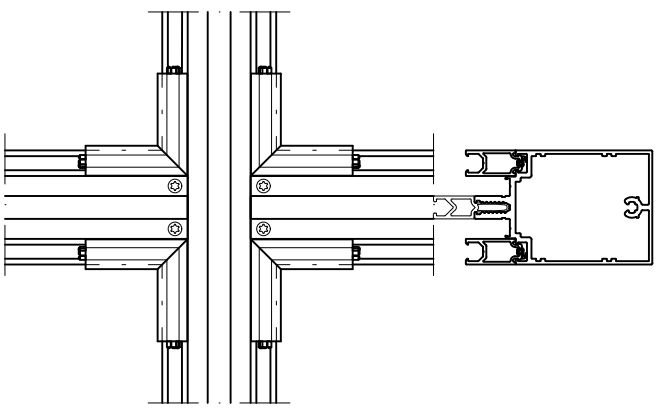


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Apply bonding compound into glazing groove



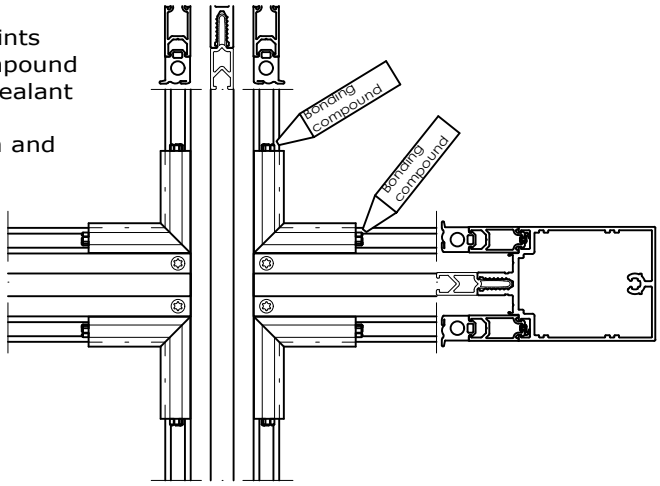
Install moulded gasket corners



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



Fabricators Guide

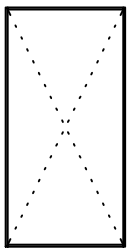
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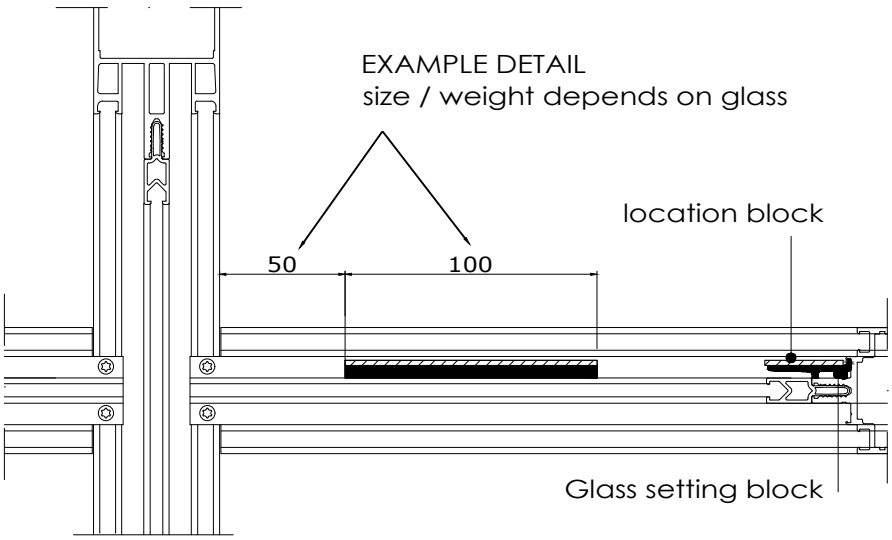
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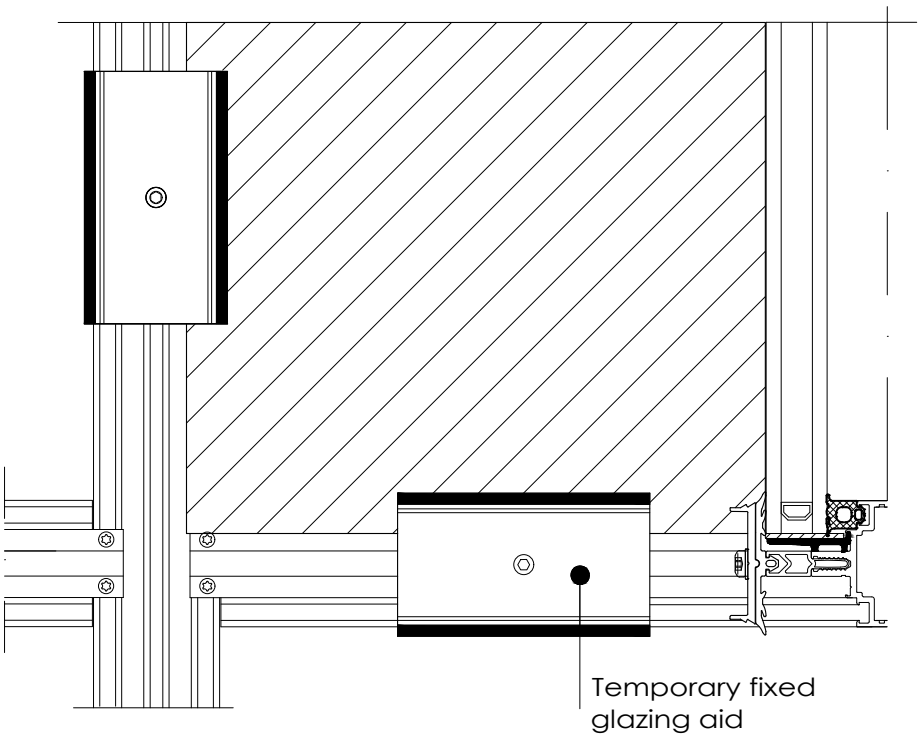


Location of glass setting blocks & temporary glazing aids

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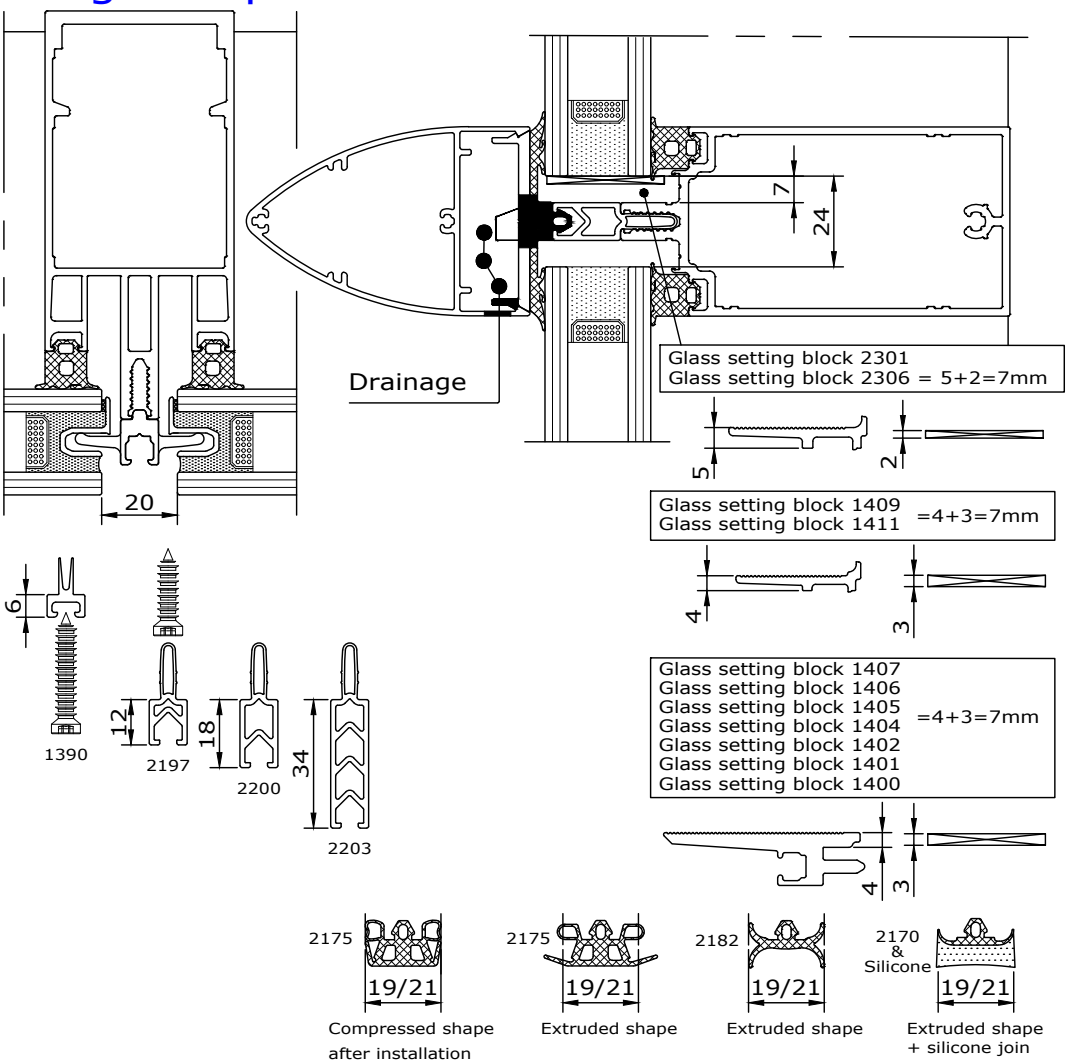
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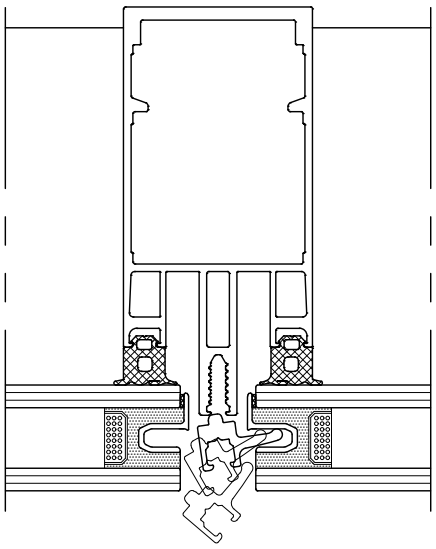
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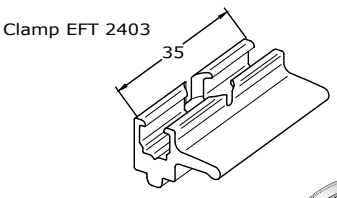
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Fixing glazing insert and fixing clamp







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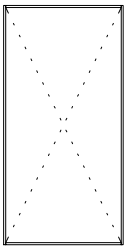
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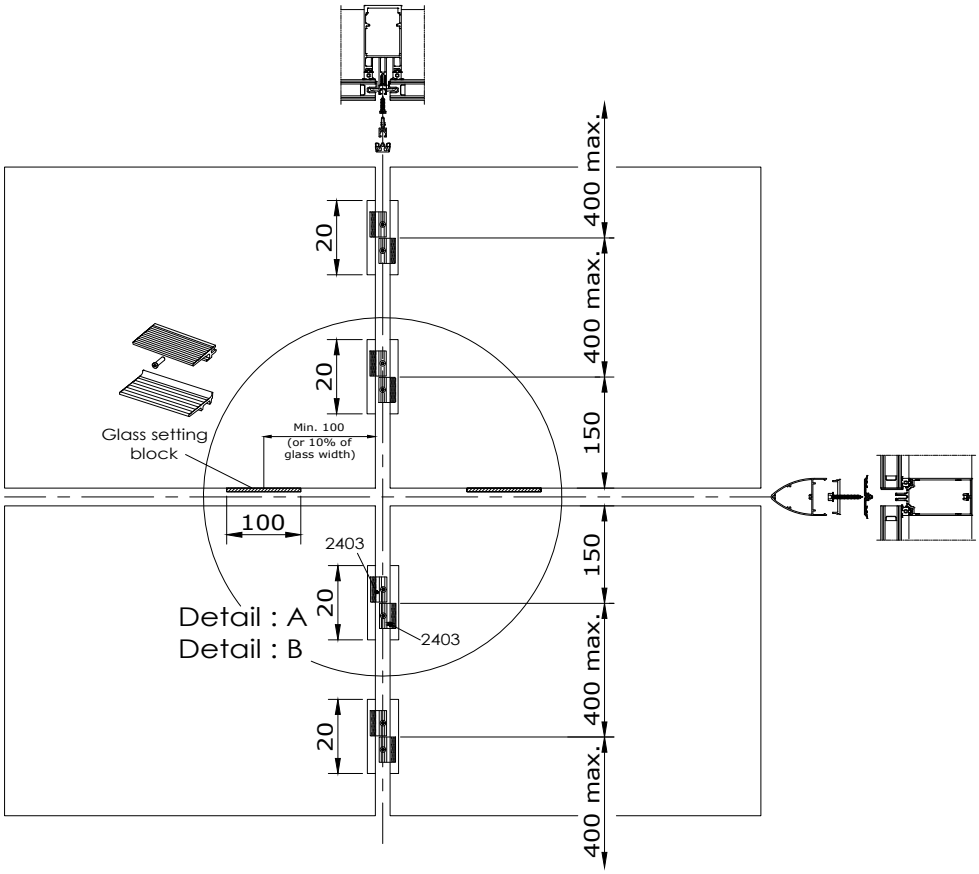
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Location of glazing inserts, fixing clamps and glass setting block

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Fabricators Guide

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.

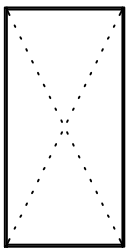
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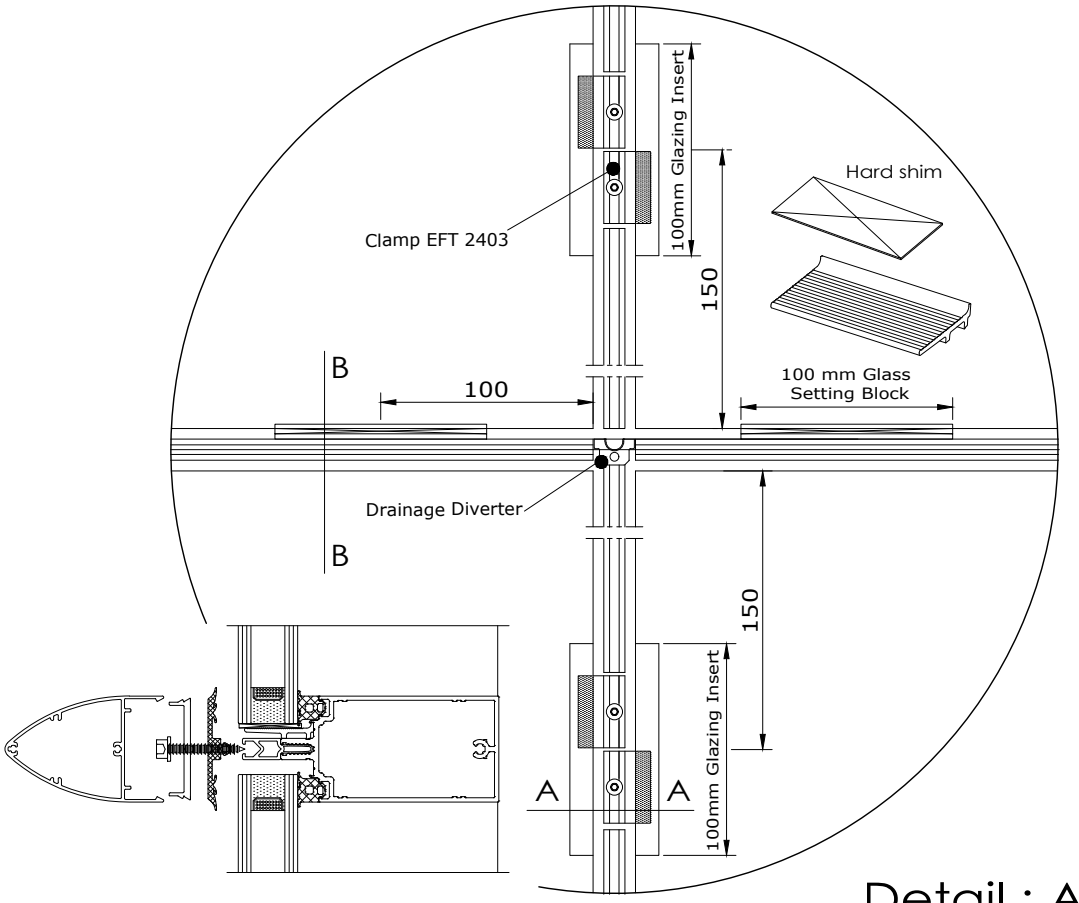
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Location of glazing inserts fixing damps and glass setting block

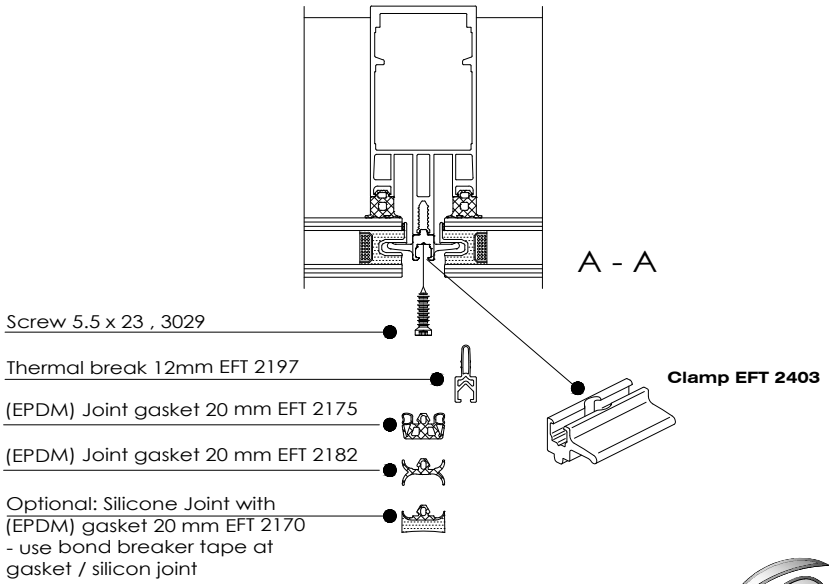


7.51



B - B

Detail : A



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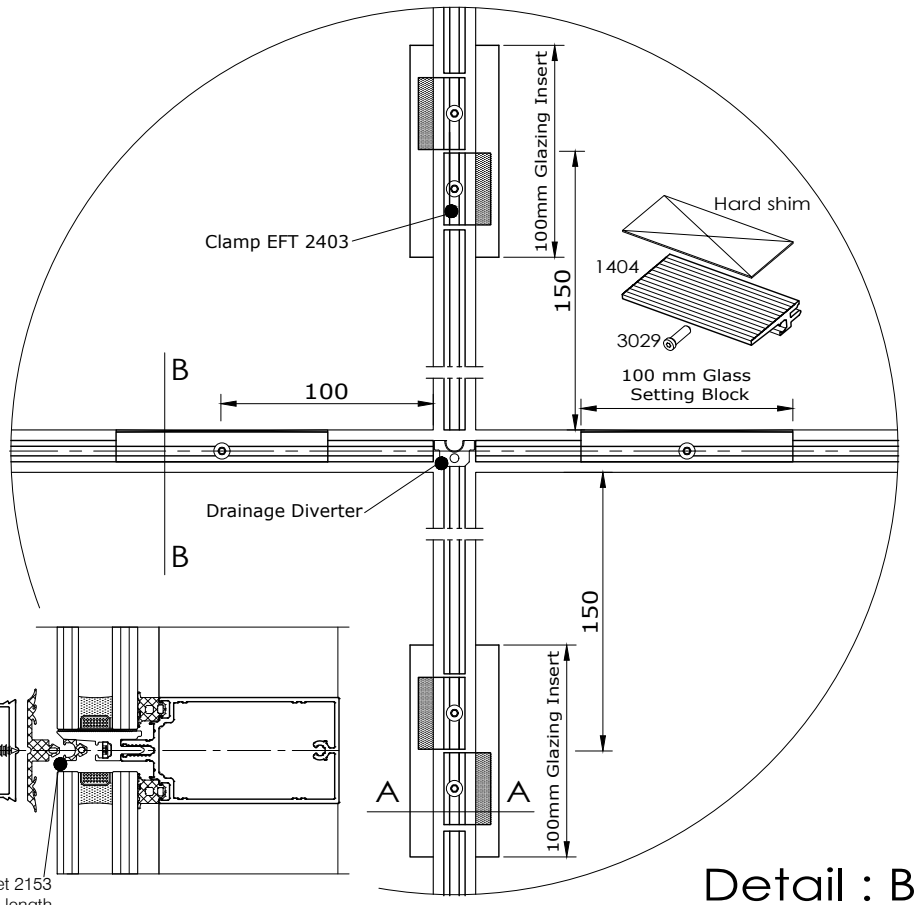
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Location of glazing insert, fixing clamps and glass setting block

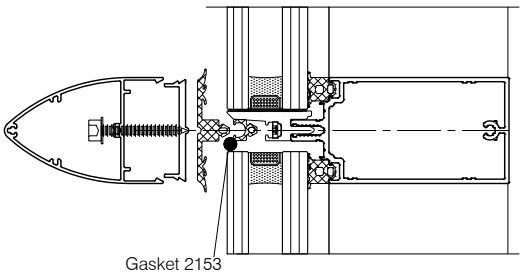
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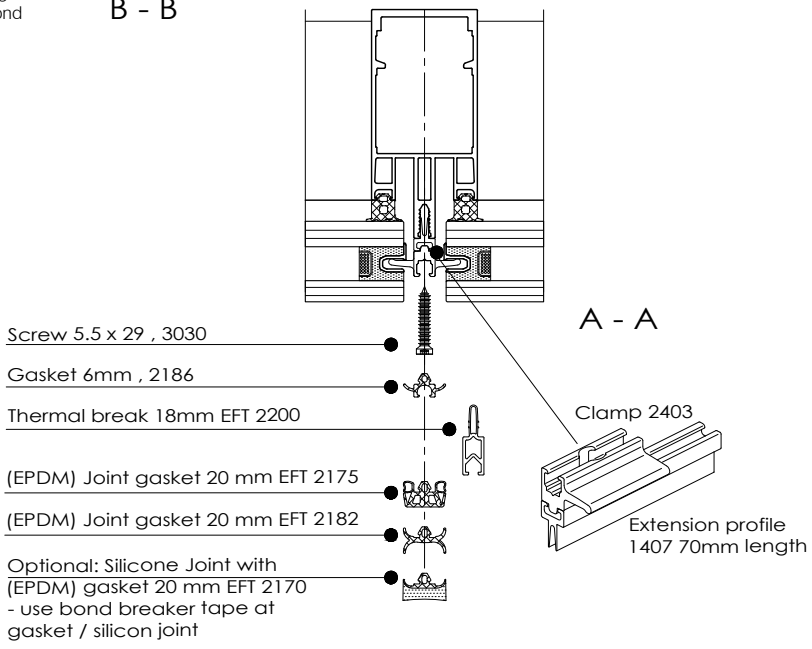


Detail : B



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

B - B



A - A

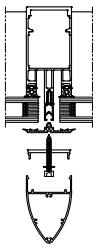
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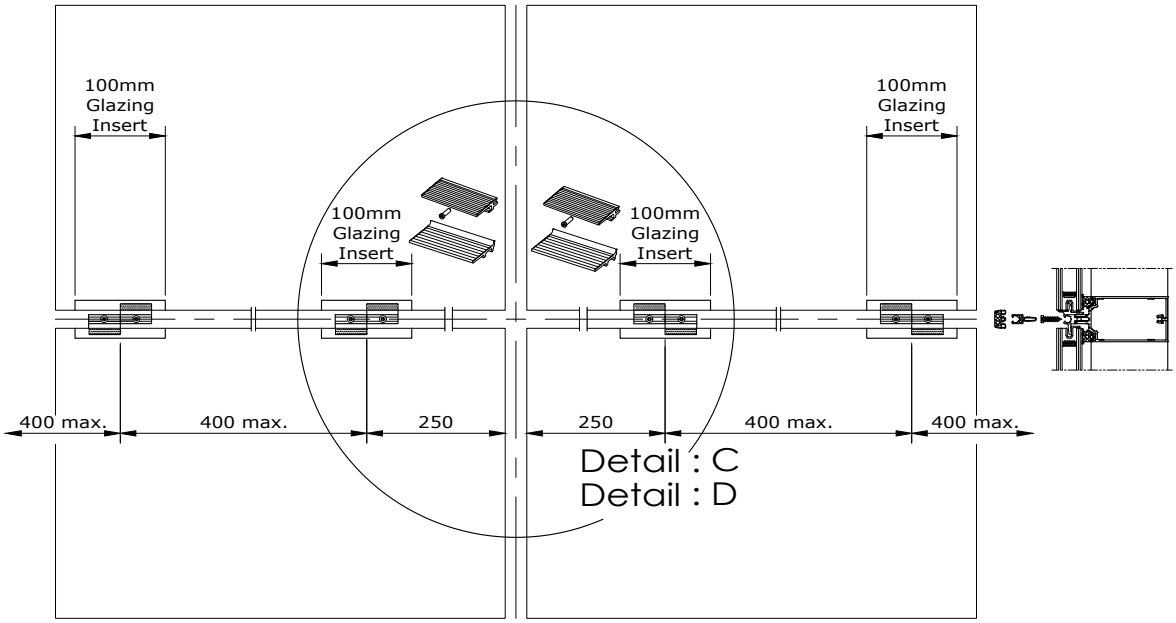
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Spacing of inserts and clamps





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.

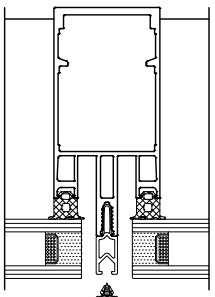
Installation 7

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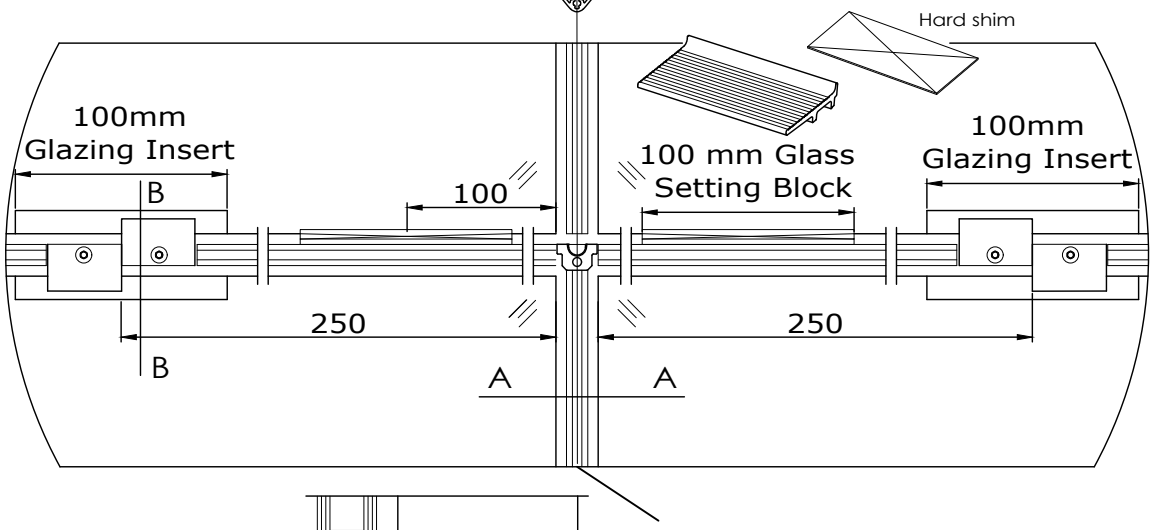
Location of glazing inserts, fixing clamps and glass setting block

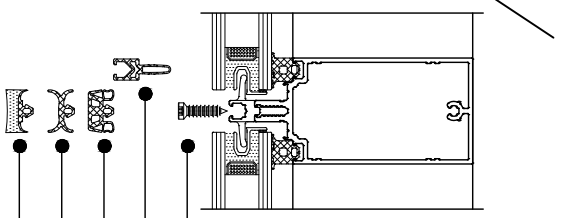
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A - A





Detail : C

B - B

Screw 4.8 x 22 , 3092

Thermal break 12mm EFT 2197 beyond

(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

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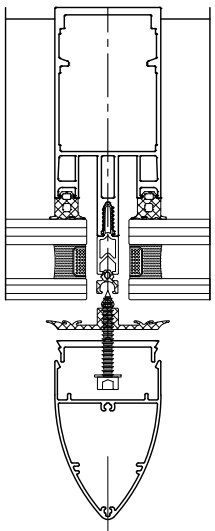
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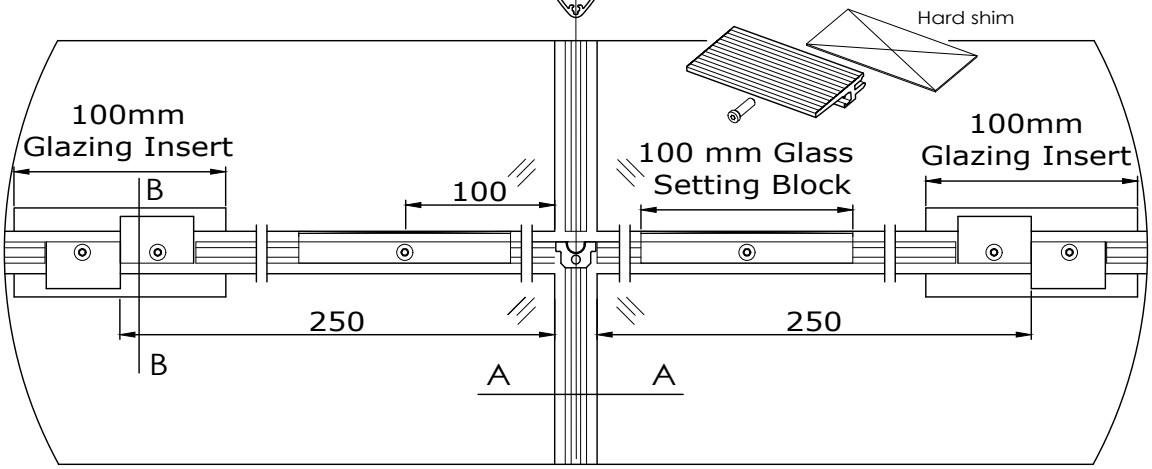
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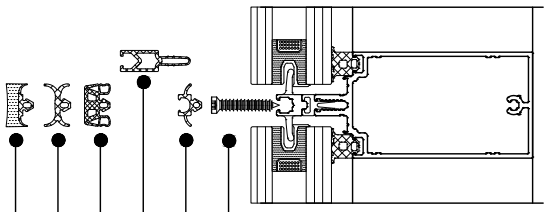
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Location of glazing insert fixing damps and glass setting block



A - A





B - B

Screw 5.5 x 29 , 3030

Thermal break 18mm EFT 2200 beyond

Thermal break 18mm EFT 2200 beyond

(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

Detail : D

7.55

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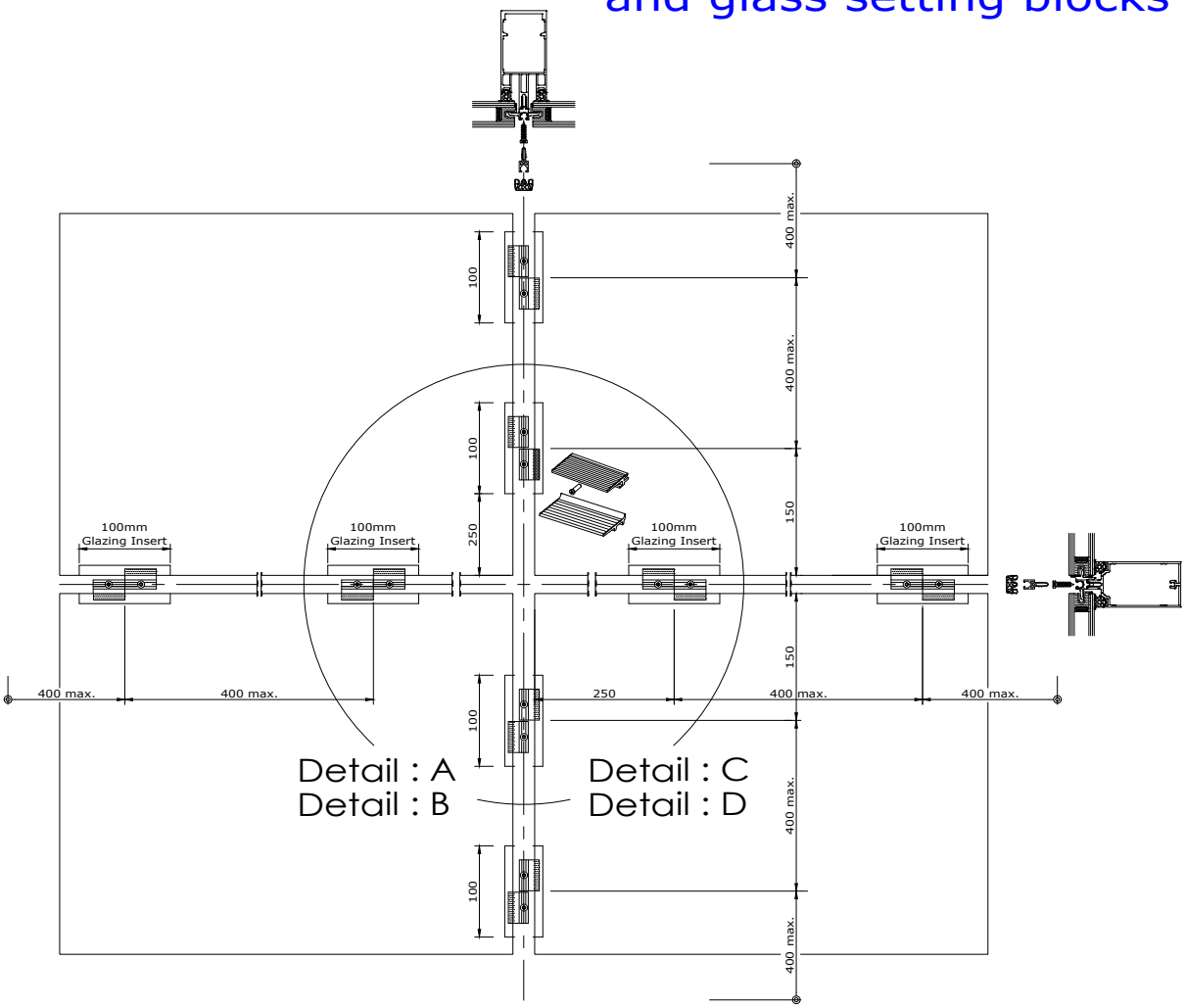
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Spacing of insert, damps and glass setting blocks

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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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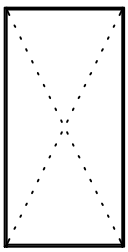
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Thermal break installation



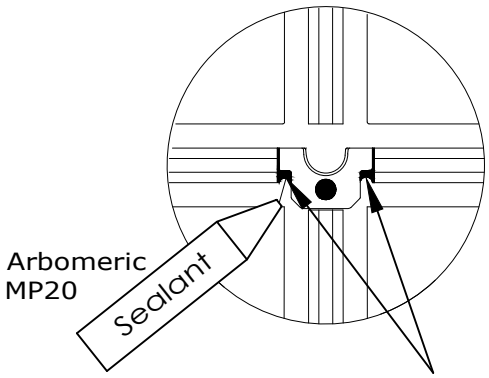
For correct isolator/thermal break, refer to glazing charts in section 3.

2 or 4 sided structural glazing

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

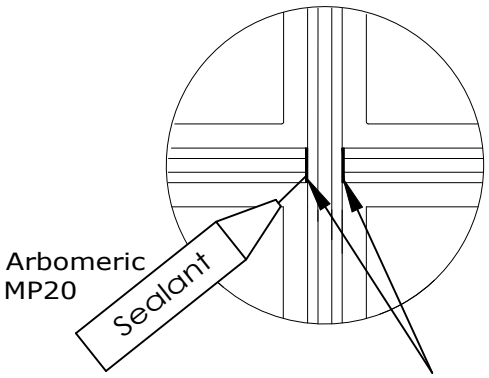
Isolator/thermal break to be sealed as shown below in all configurations.

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

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Drainage diverter Installation

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Drainage diverters are to be installed:

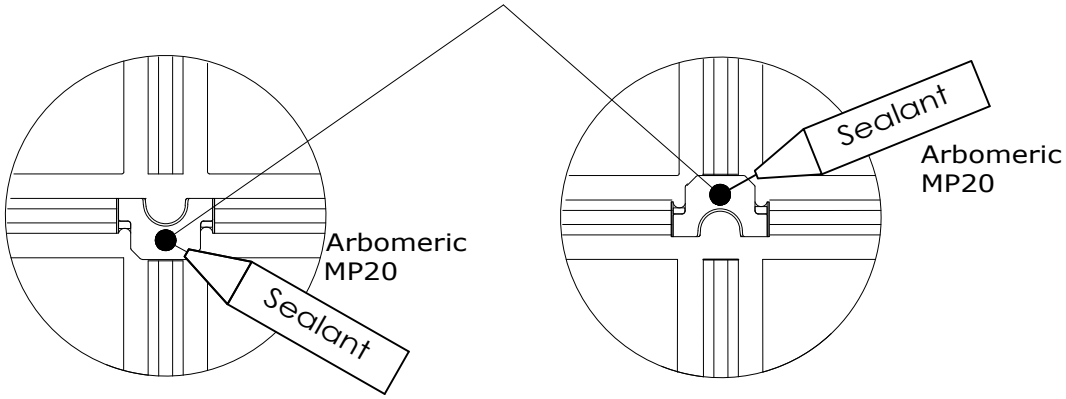
- On each mullion at the transom joint nearest the ground.
- Upside down at the highest mullion-transom joint.
- Each mullion for the cruciform above each mullion joint.
- The mullion-transom joint above any doors.

Notes:

- 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

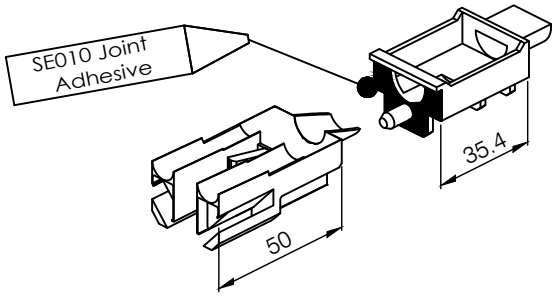
Inject sealant into hole in drainage diverter and ensure sealant covers all sides



- Lowest mullion-transom joint
- Cruciform above each mullion joint
- At mullon-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



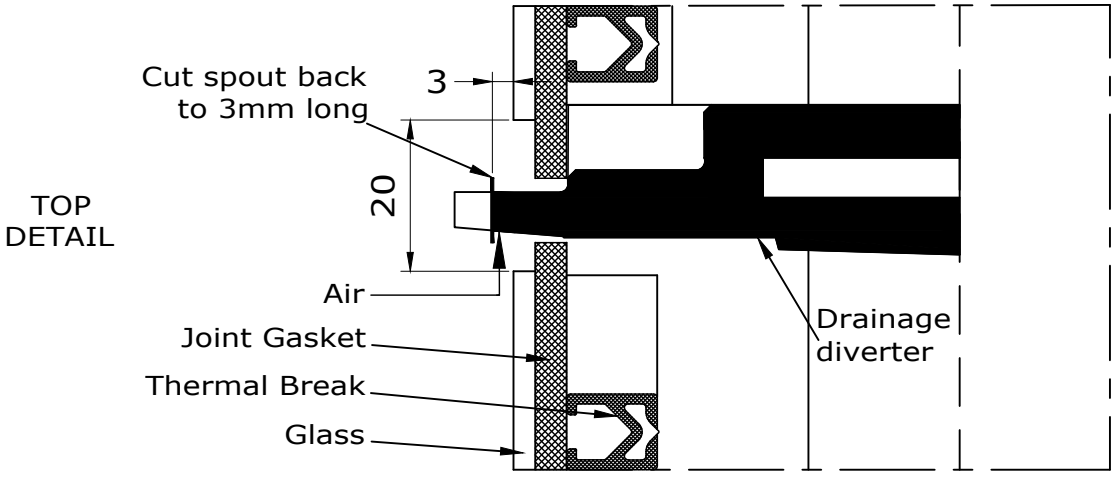
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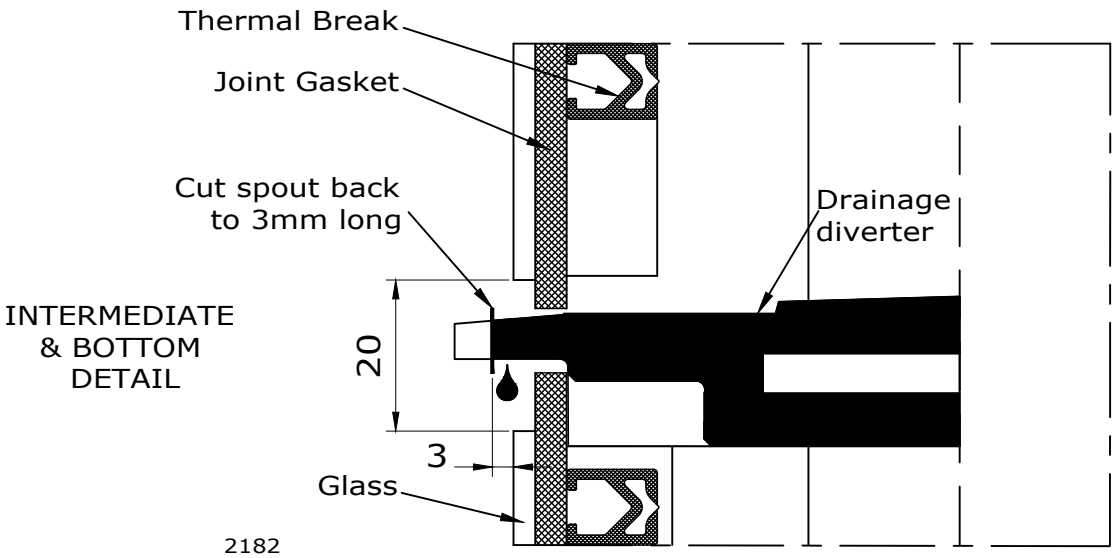
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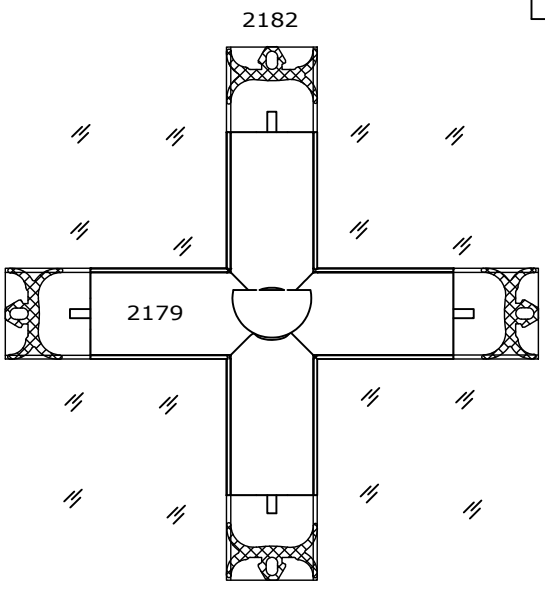
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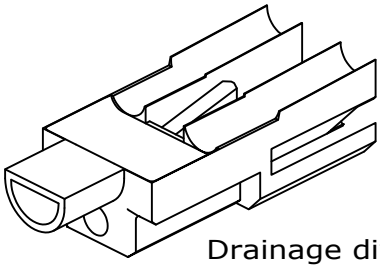
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4sided SG drainage & ventilation detail









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

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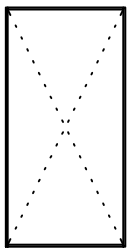
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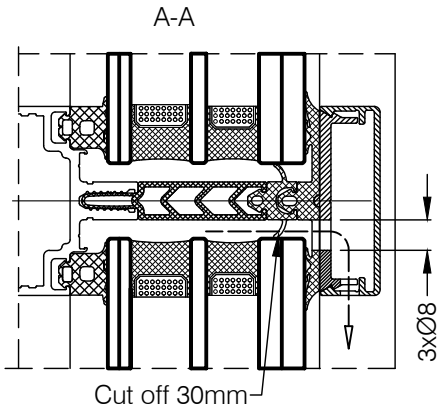
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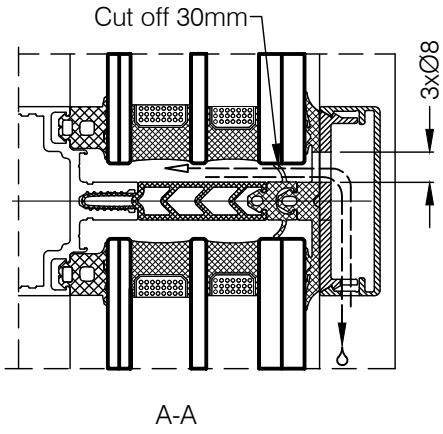
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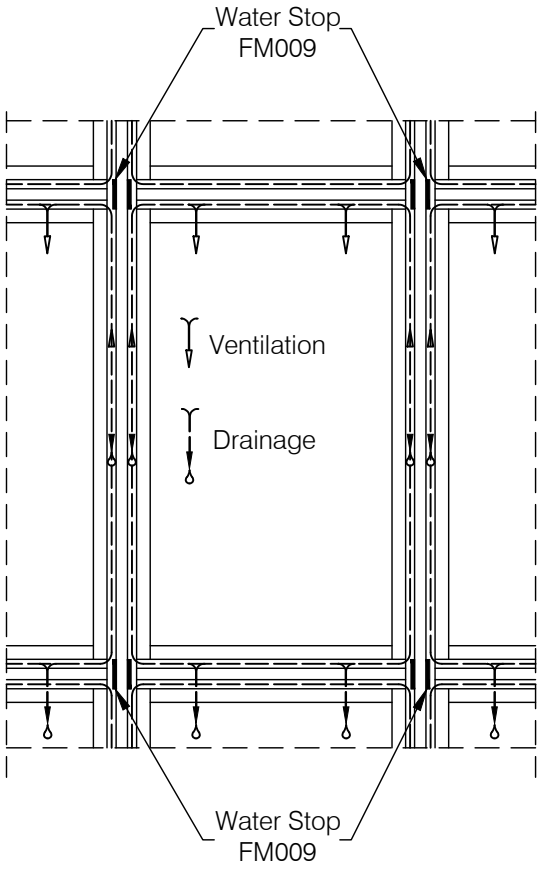
Drainage & Ventilation by Individual Window

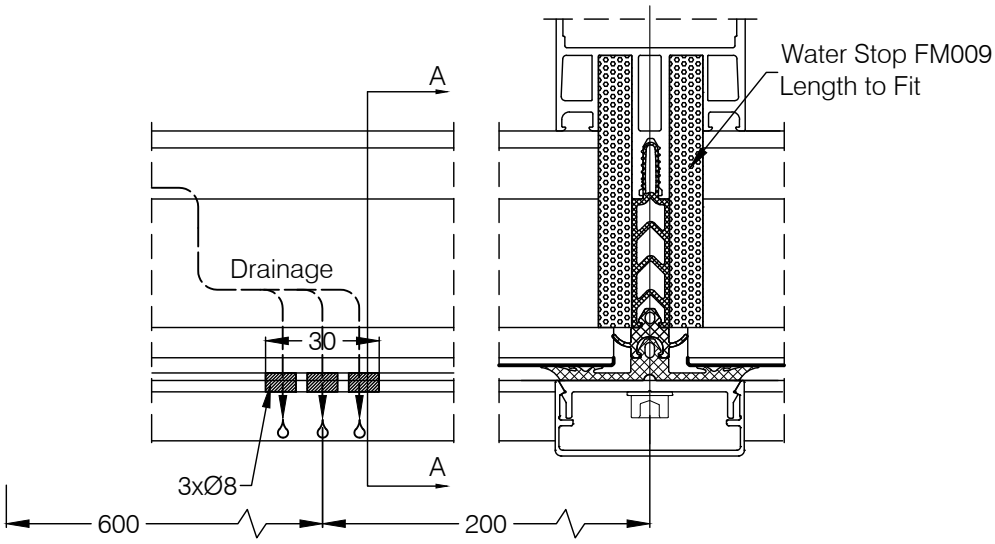


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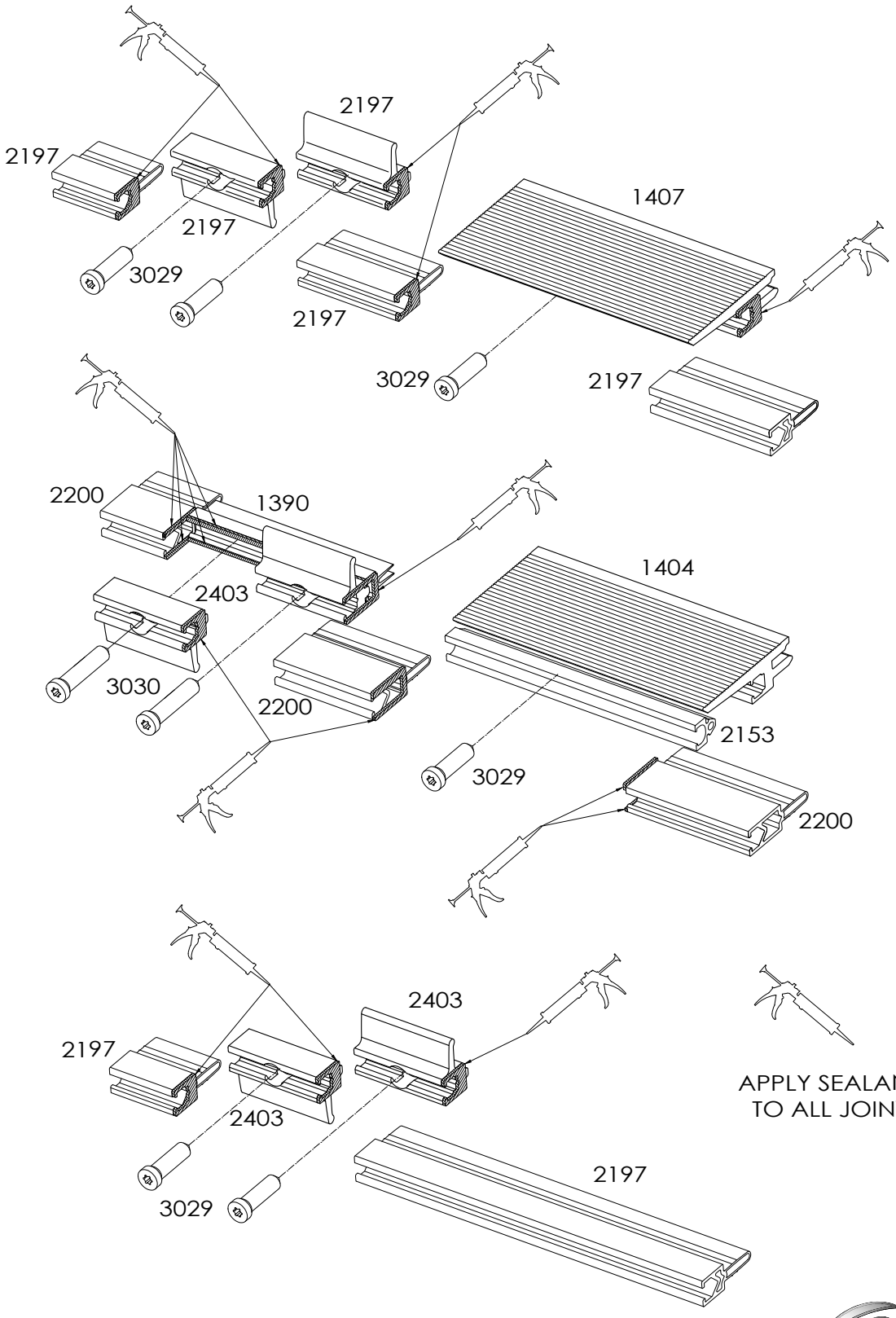
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Sealing



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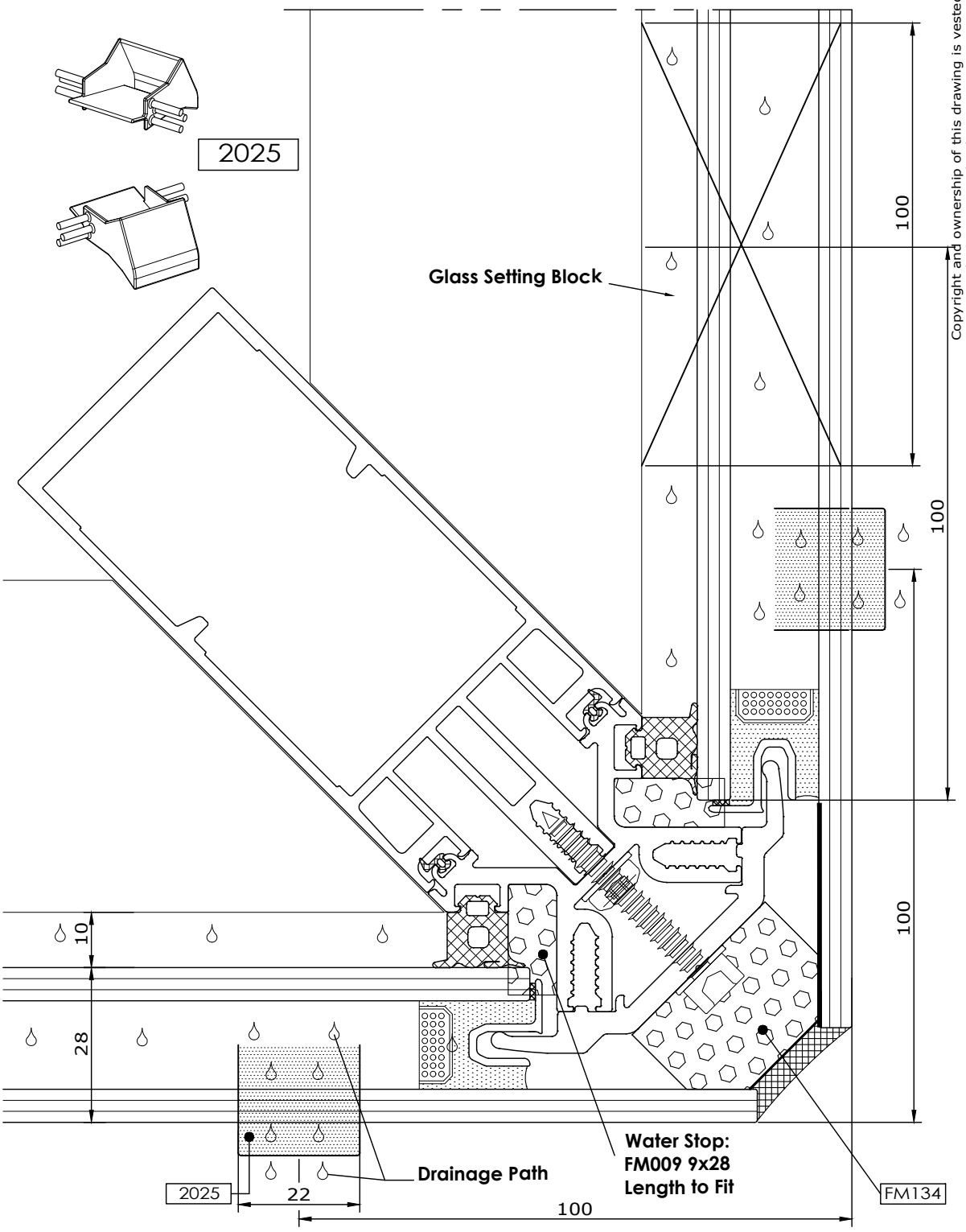
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Transom drainage diverter

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

2025

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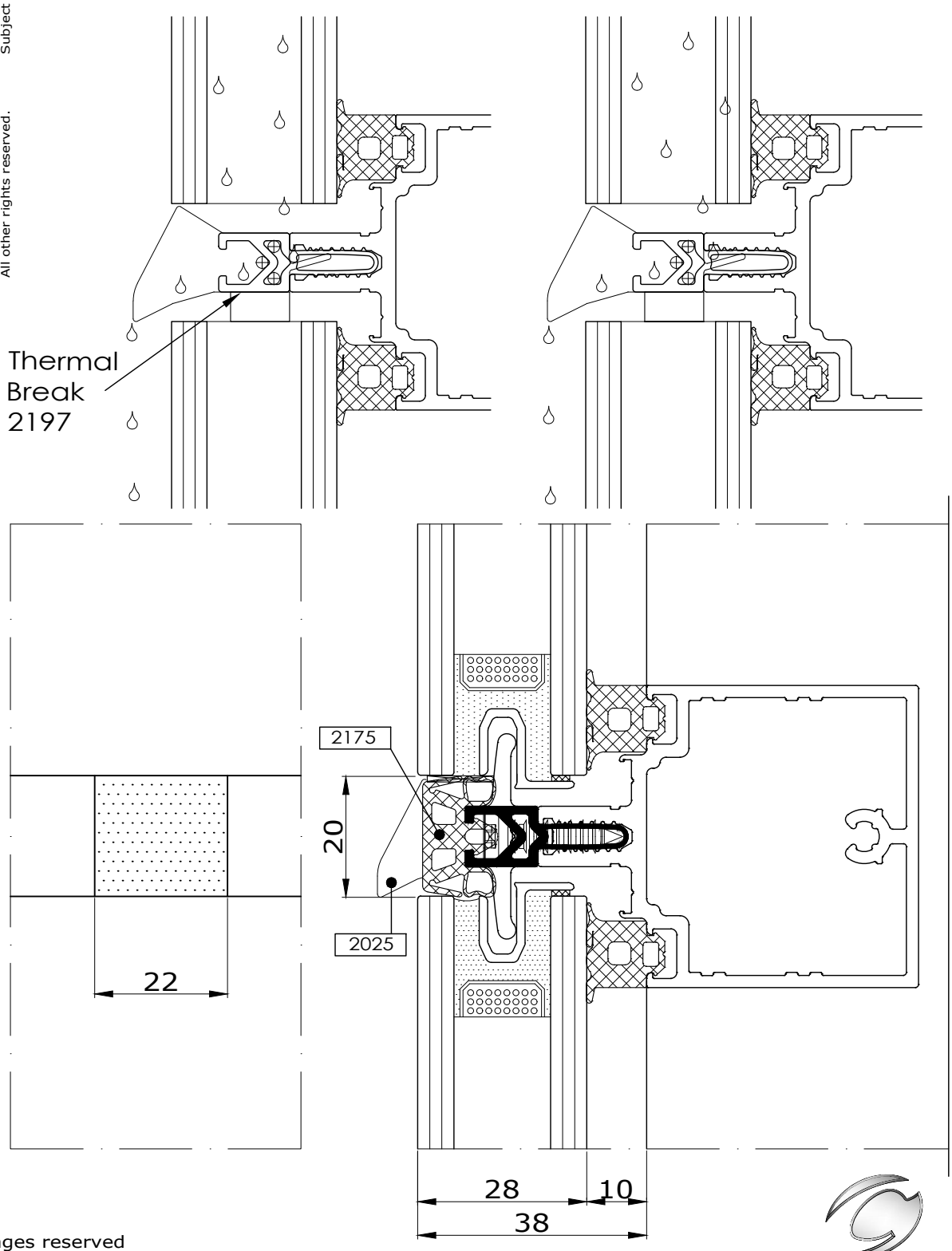
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Transom drainage diverter

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



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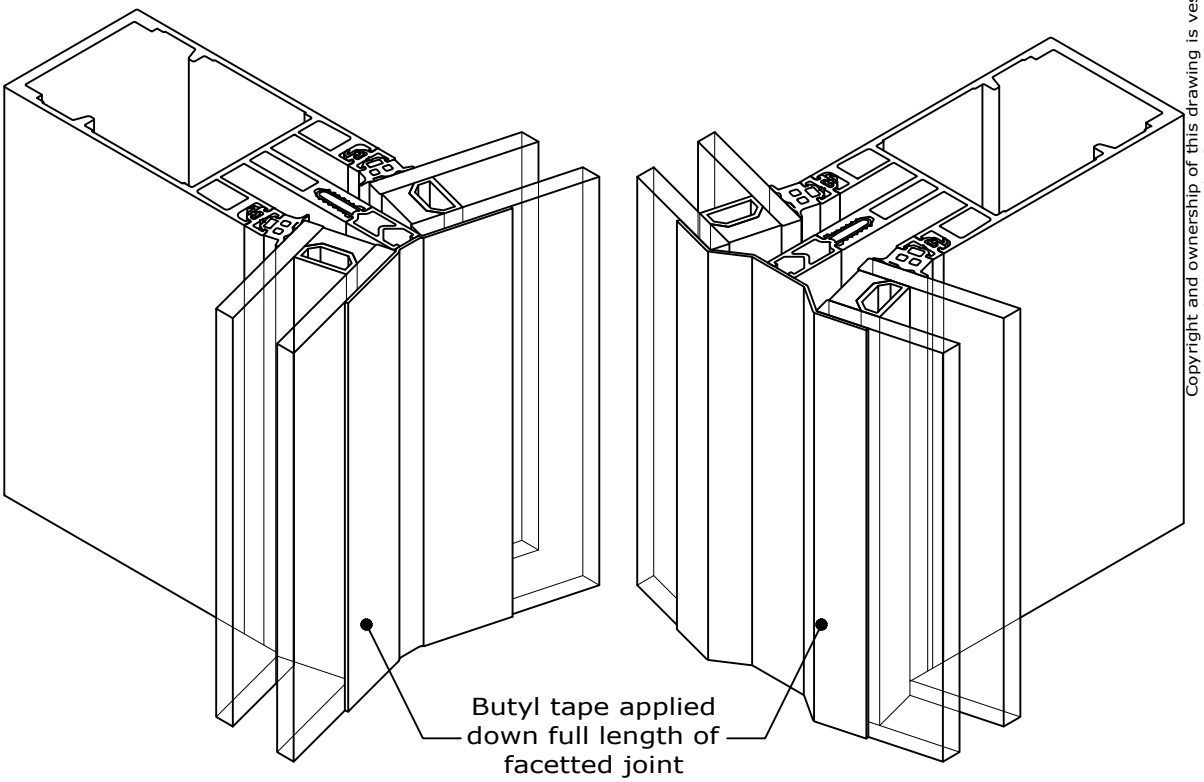
Installation 7

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Butyl tape application

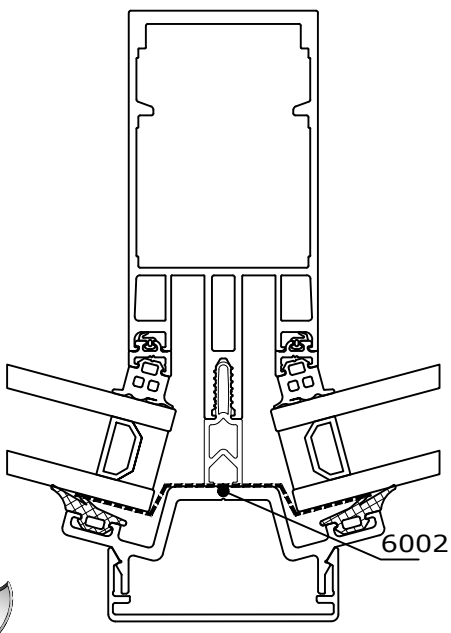
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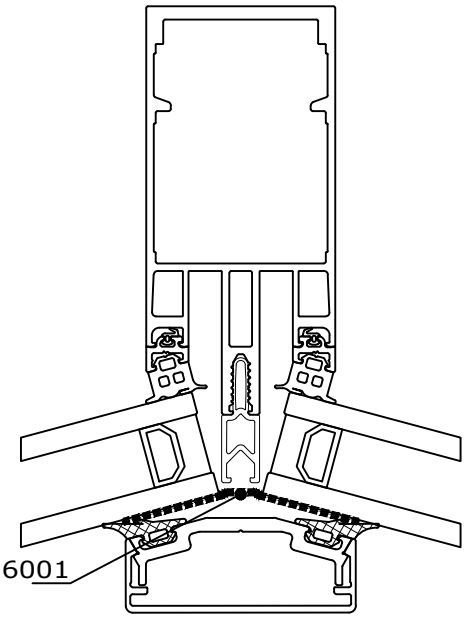
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Butyl tape 6001 or 6002 to be installed full height of the mullion down any facetted angle joint to be covered by a pressure plate & cover cap.

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





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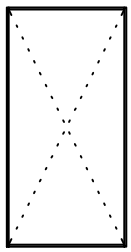
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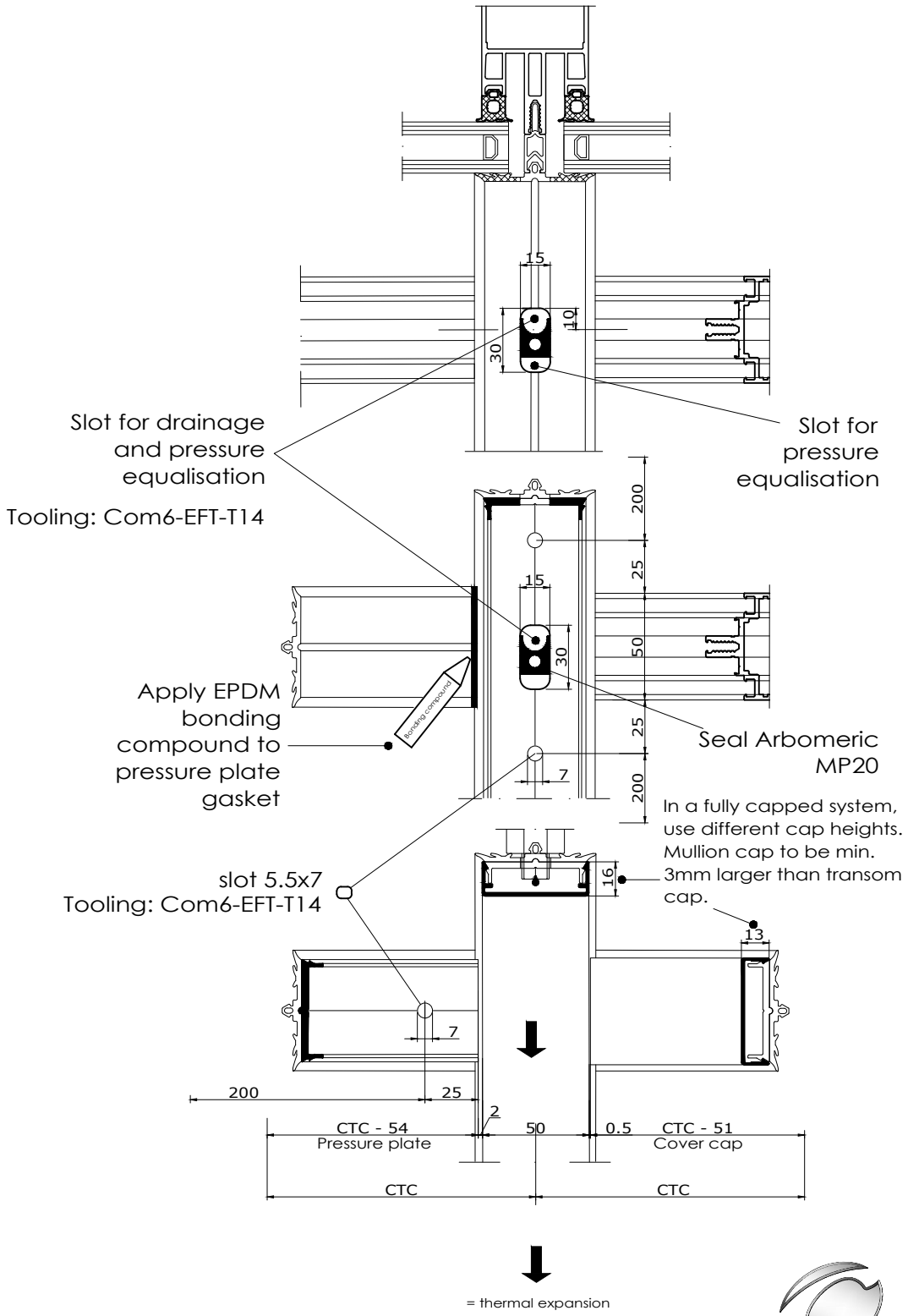
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Single gasket installation



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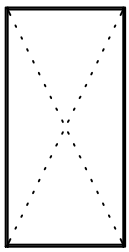
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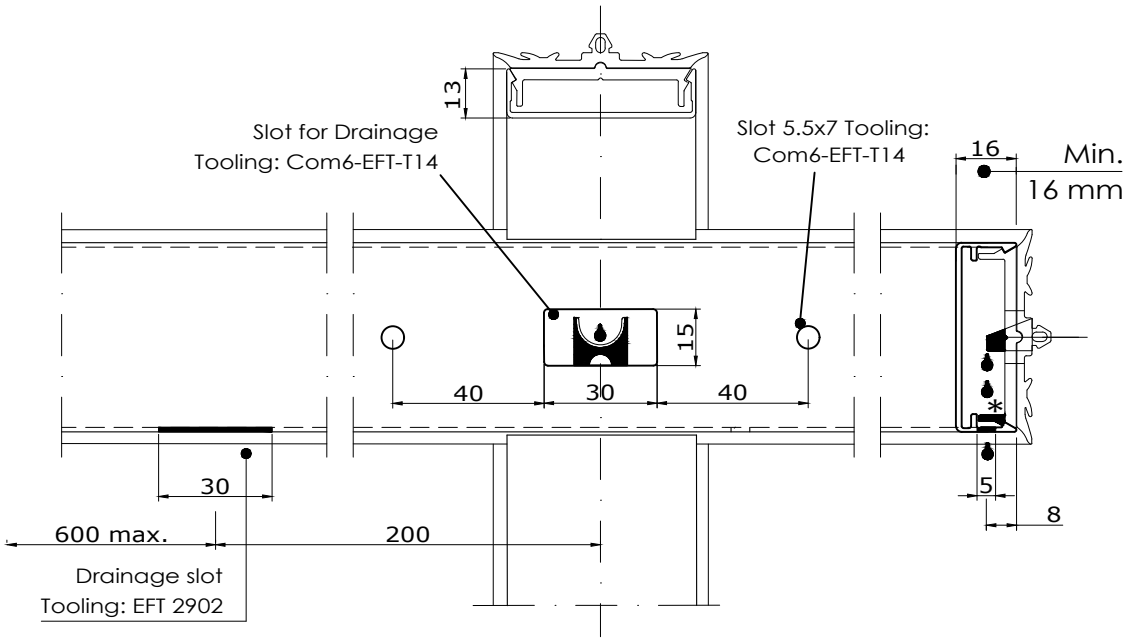
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Draining horizontal



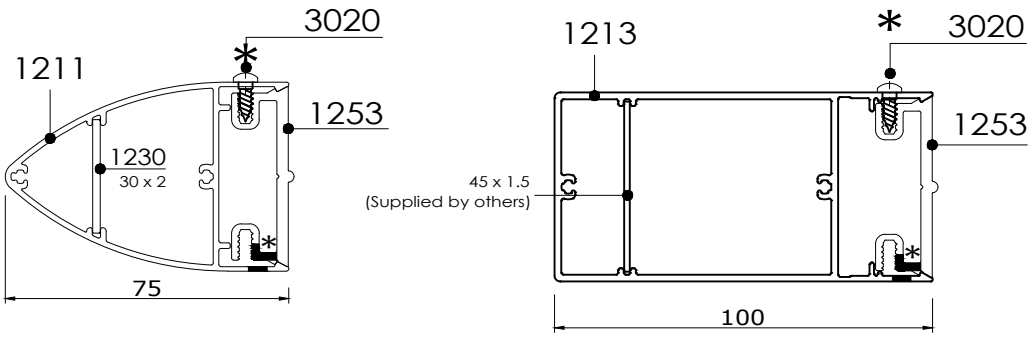
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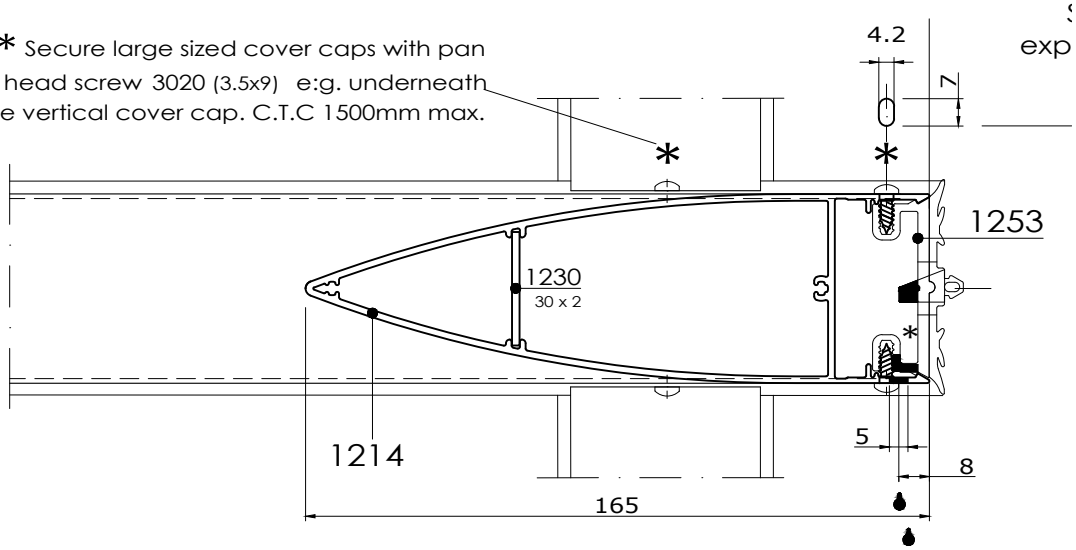
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FIXING LARGE COVER CAPS



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



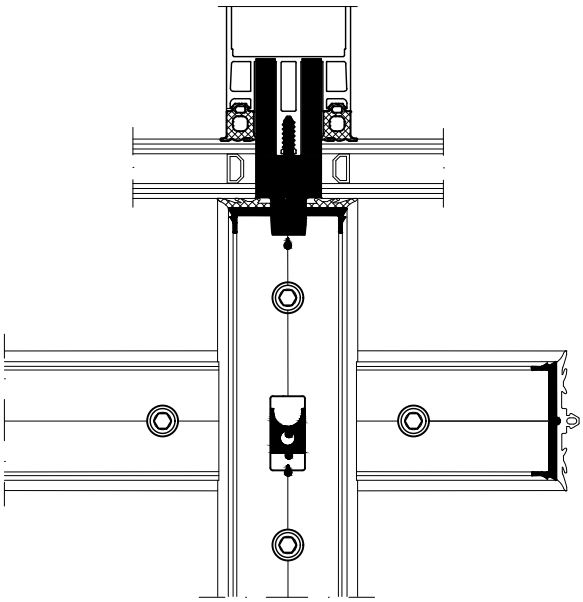
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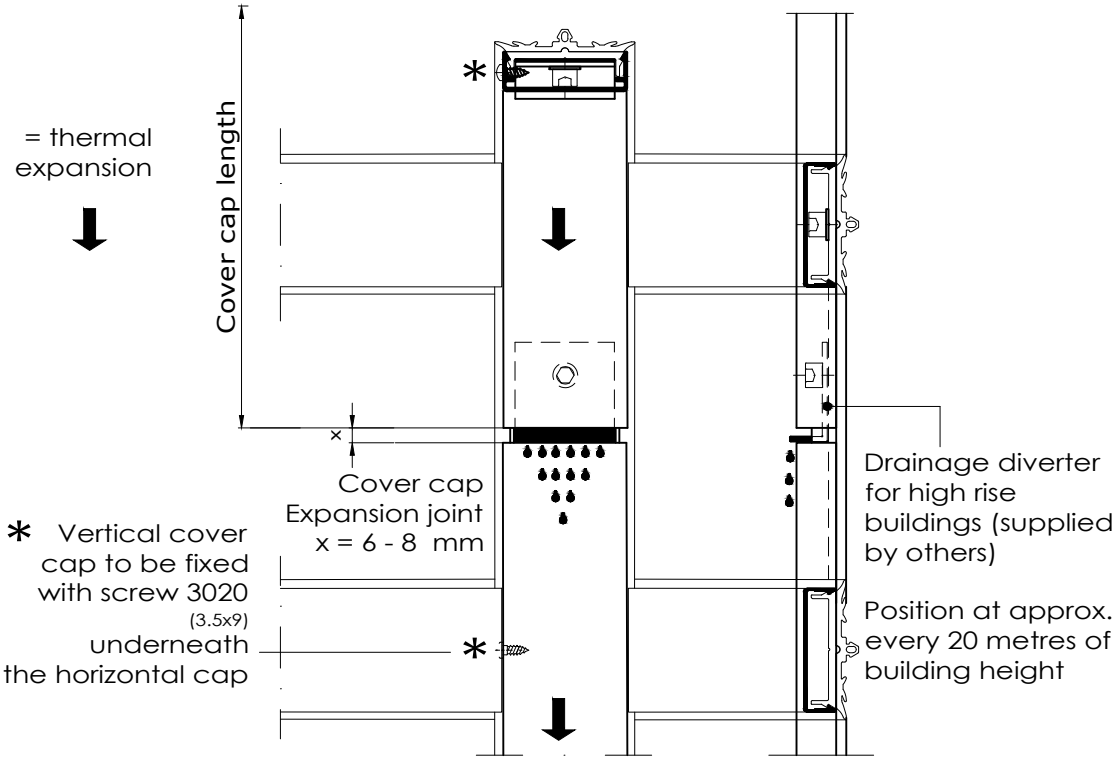
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Draining large heights
Fixing vertical cover caps





7.67

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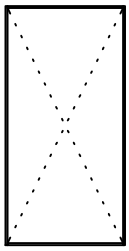
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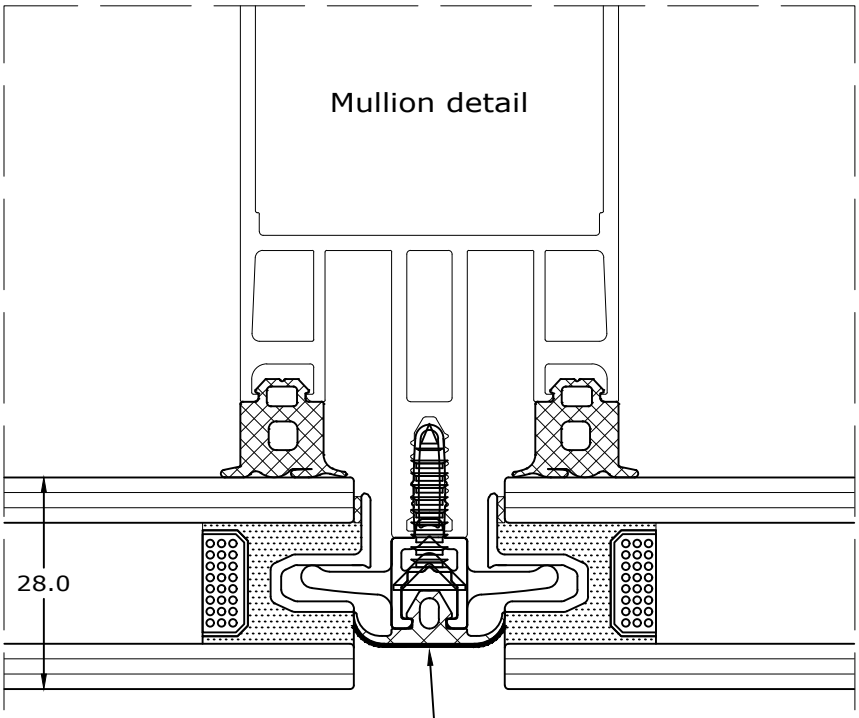
Installation 7

Comar 6EFT

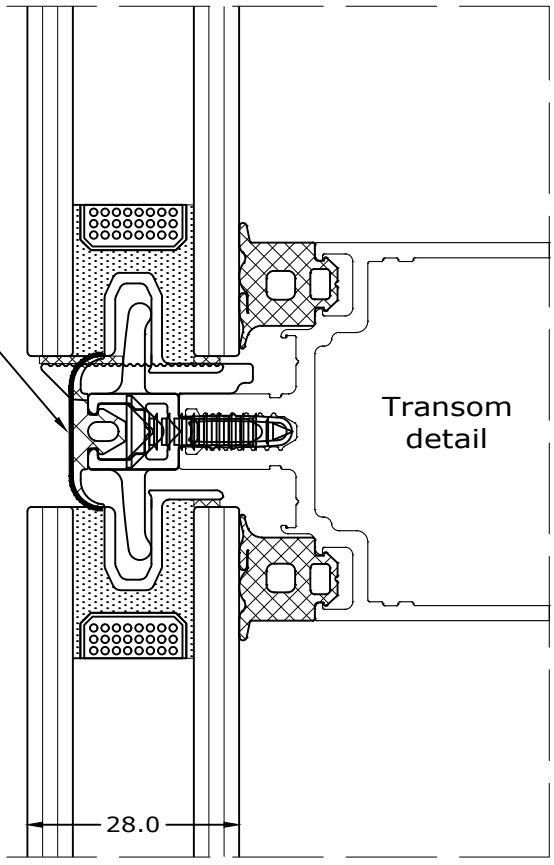
Silicone seal & bond breaker tape application



7.68



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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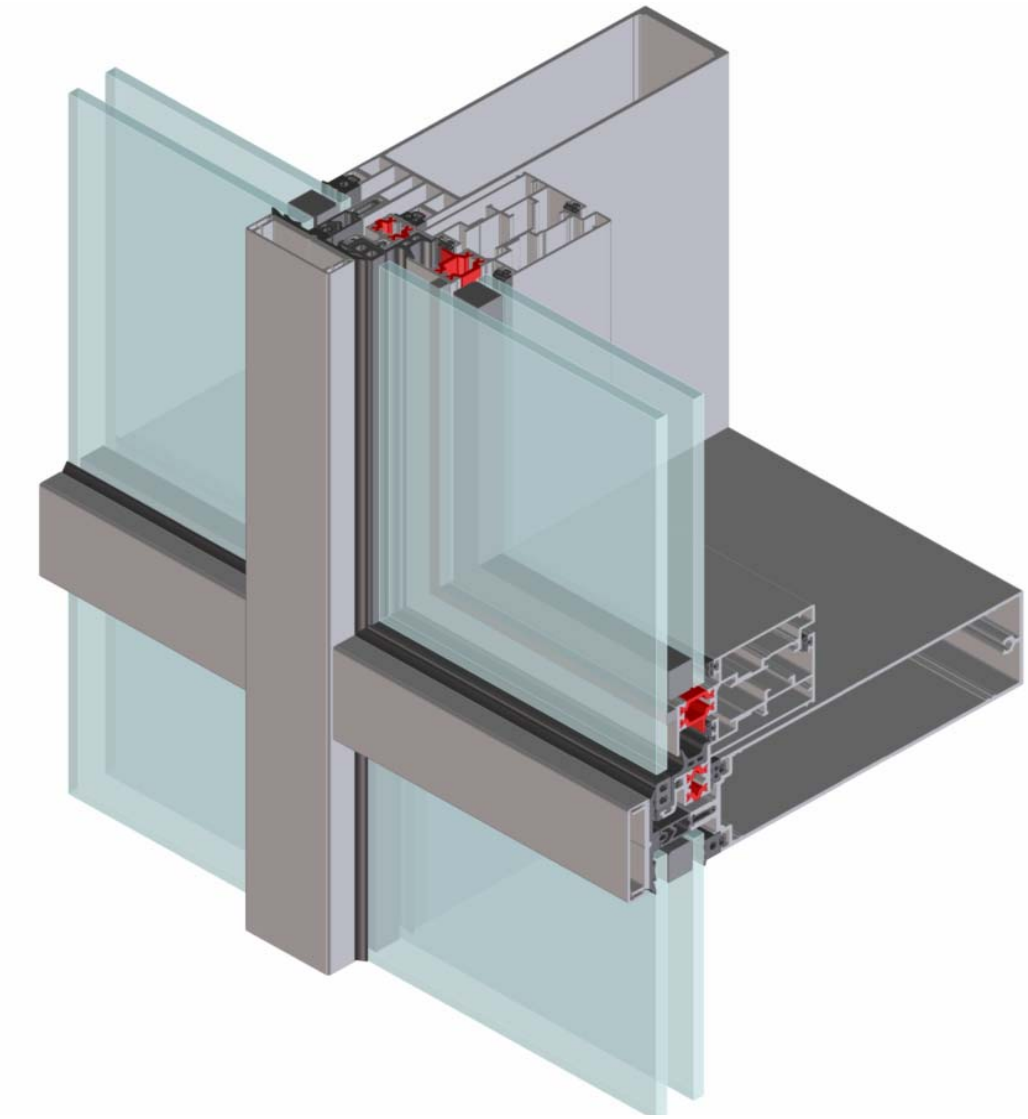
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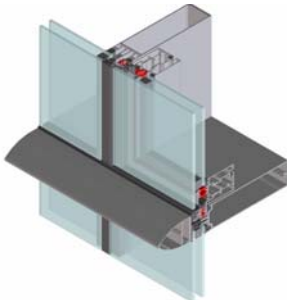
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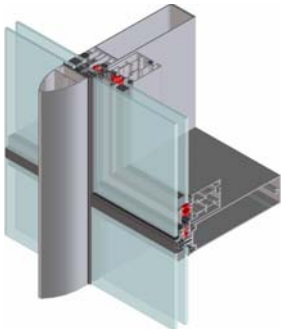
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Concealed Vent into capped CW

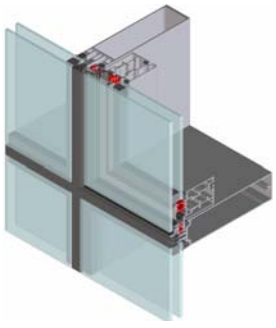




into 2sided SGH



into 2sided SGV



into 4sided SG

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Fabricators Guide

Introduction
Comar 6 EFT Concealed Vent

Comar 6 EFT Concealed Vent is a top hung or side hung window system, with friction hinges and is available with double glazed sealed units only.

This integrated curtain wall window system, the Comar 6 EFT Concealed Vent has an outer frame and vent frame developed with a thermal barrier.

Available Framing
For thermally broken double glazed units only:
System depth = 94 mm
4001 - Vent Frame
4003 - Outer Frame

Glazing options are: 24 mm / 28 mm / 30 mm
Suitable for Standard Curtain Wall
Suitable for 2 Sided Curtain Wall
Suitable for 4 Sided Curtain Wall

Specification Summary

Glazing
The system is glazed from the outside, structurally bonded to the moving frame (window vent)
Glass should conform to the requirement of BS 6262 for thickness / type amd in terms of wind resistance, safety and security.

Drainage
The system is drained, achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262

Thermal Insulation
Classification in accordance with DIN 4108 or EN ISO 10077-1

Thermally Concealed Vent
The thermal transmittance (Uf) W/m2 K is depending on the insulator strip, calculated as per EN ISO 10077-1
Comparable with class 1.0 or 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Depending largely upon the glass specification, generally the curtain wall framing reduces the figure by 2dB (A)

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying with the requirements of BS1474.
thermal barrier system is achieved by means of PVC / PP extrusion.

Construction
Any instructions regarding the manufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made conforming to BS 4255 Part 1.

Performance / exposure catagory
The system will achieve the following criterior when manufactured, installed and glazed to EFT recommended procedures.

Classification

Air permeability: BS EN 12207 - Class 4

Water tightness: BS EN 12208 - Class E750

Wind resistance: BS EN 13116 - 2400 Pa design
- 3600 Pa safety

The 2400Pa (Pascal's) wind resistance relies upon correct mullion and transom selection. Suitability of profiles for span and spacing is on a project - by - project basis.

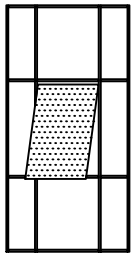
Size Limitations
The size limitations of the system depends on the hardware used.
Please refer to Comar's Technical Office for advice.

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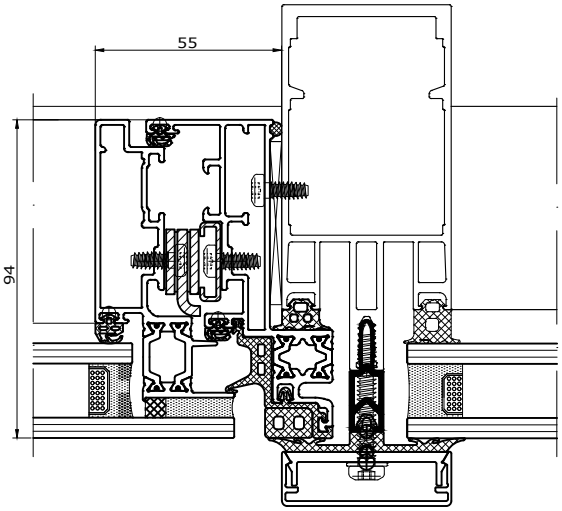
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Concealed vent overview

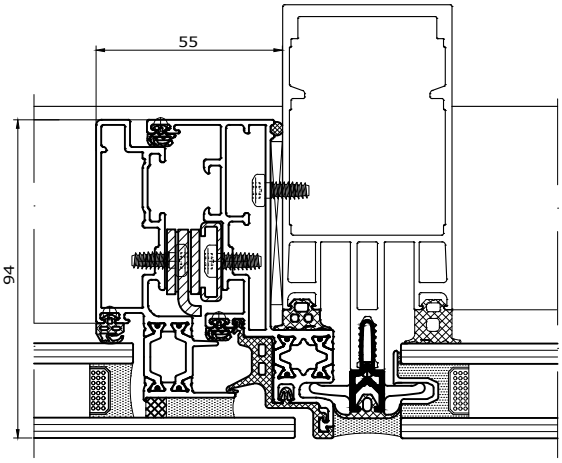
Comar 6EFT



8.00



Integrates into:
Fully capped Curtain Walling
2 sided with vertical capping
(2sided SGV)



Integrates into:
2 sided with horizontal capping
(2sided SGH)
4 sided structural glazing
(4sided SG)

Limitations

	Max. width	Max. height	Min. width	Max. weight
Top project	dependant on locking	2500mm	450mm mullion cts	180kg
Side project	838mm	dependant on locking	350mm mullion cts	55kg

Notes:

1. Vents either side of a facetted mullion may be possible depending on the angle, contact Comar's technical department for advice.

2. A minimum of a 60mm transom (Ref:1150) must be used above and below where a concealed vent is to be positioned.

3. For width / height / weight combination options, please contact Comar's technical department.

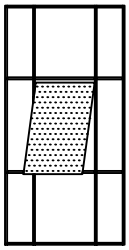
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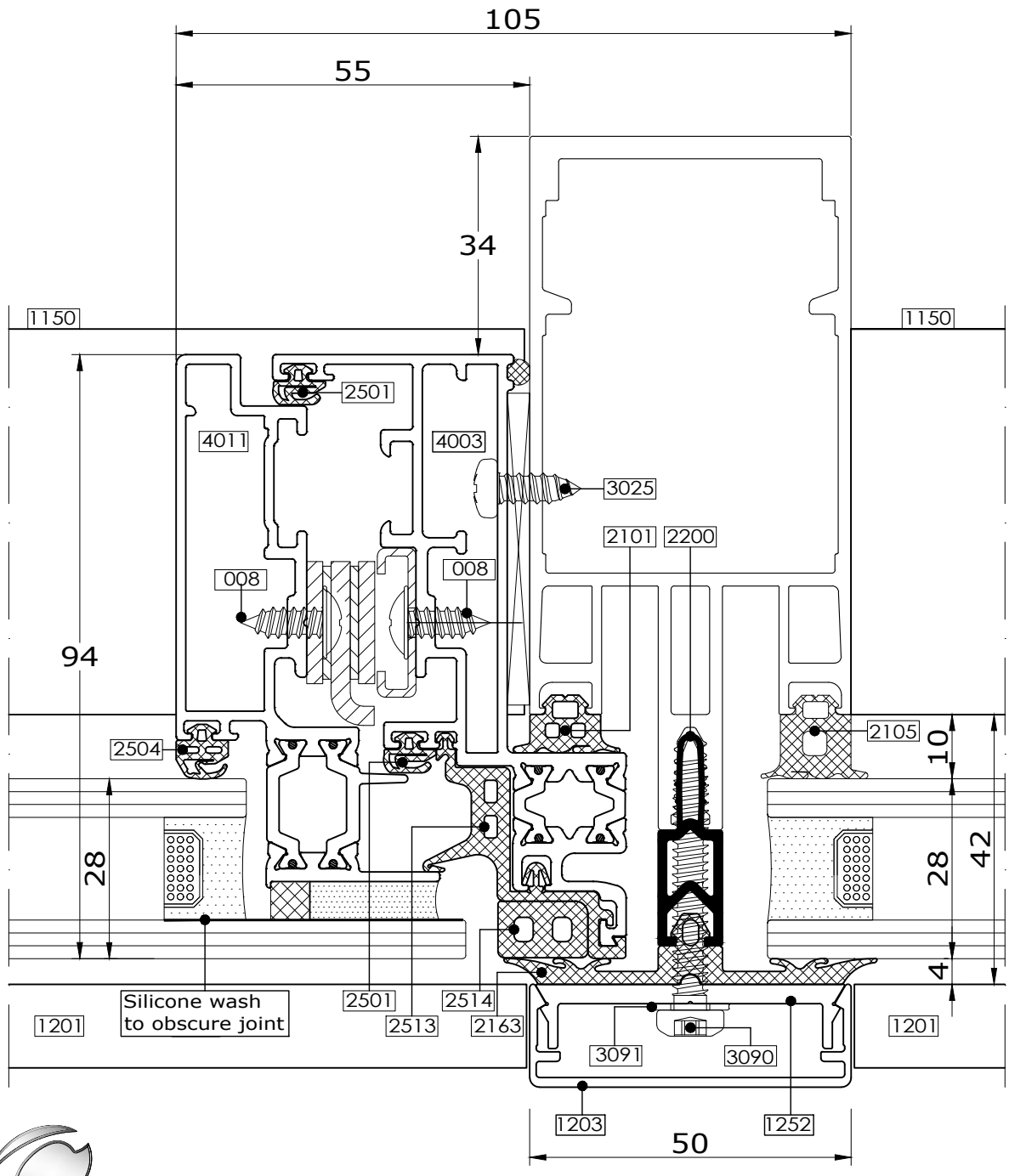


Mullion detail with Concealed Vent Fully Capped Curtain Wall

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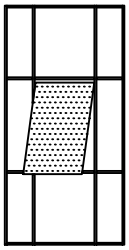
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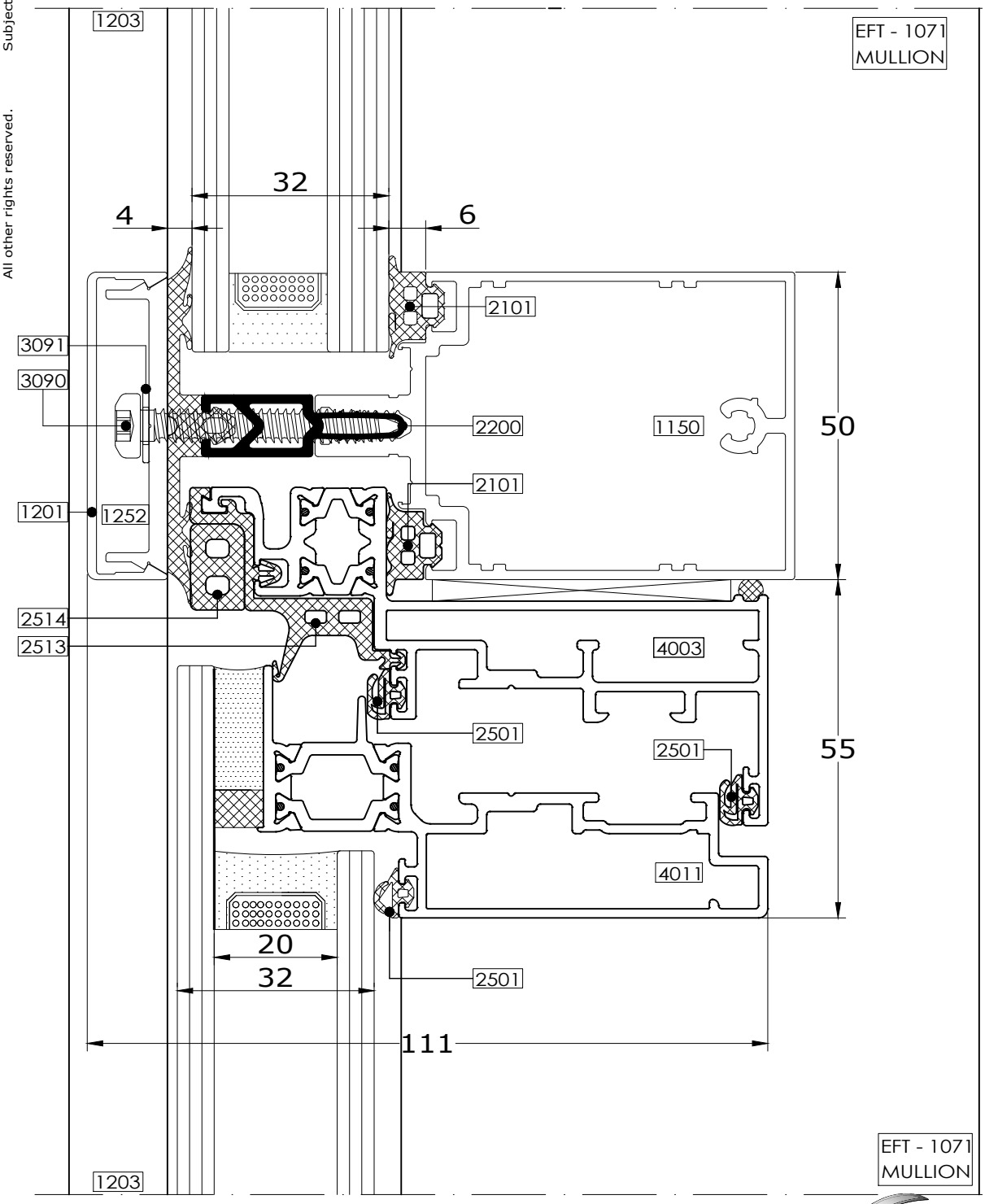
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Transom detail with Concealed Vent Fully Capped Curtain Wall



8.02



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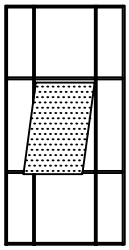
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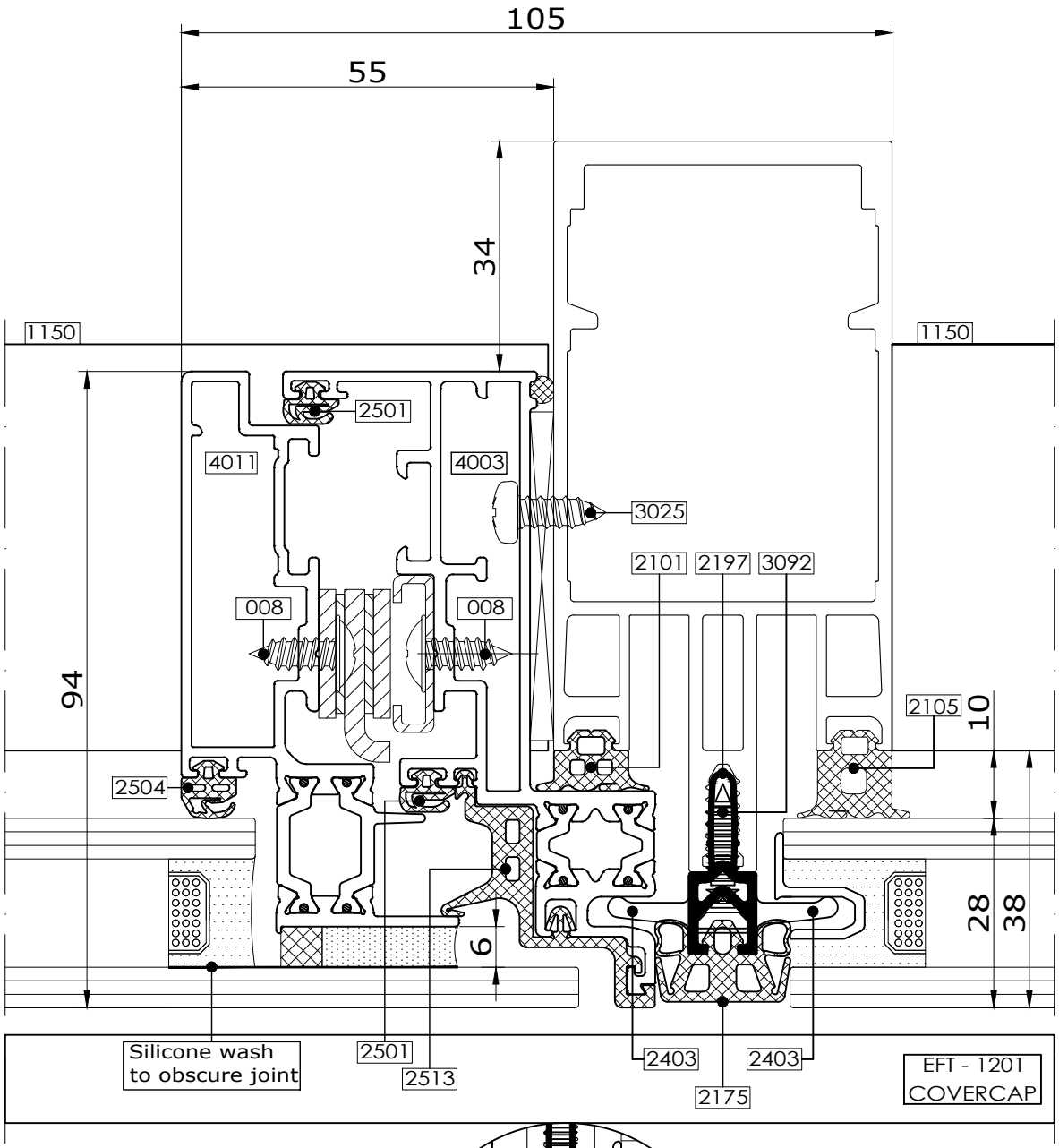
Comar 6EFT

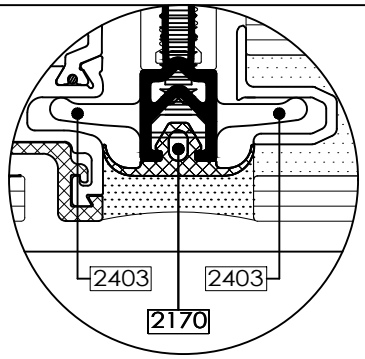


Mullion detail with Concealed Vent 2sided SGH

8.03

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Silicone seal also available using gasket 2170

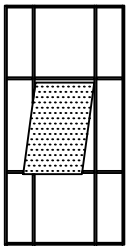
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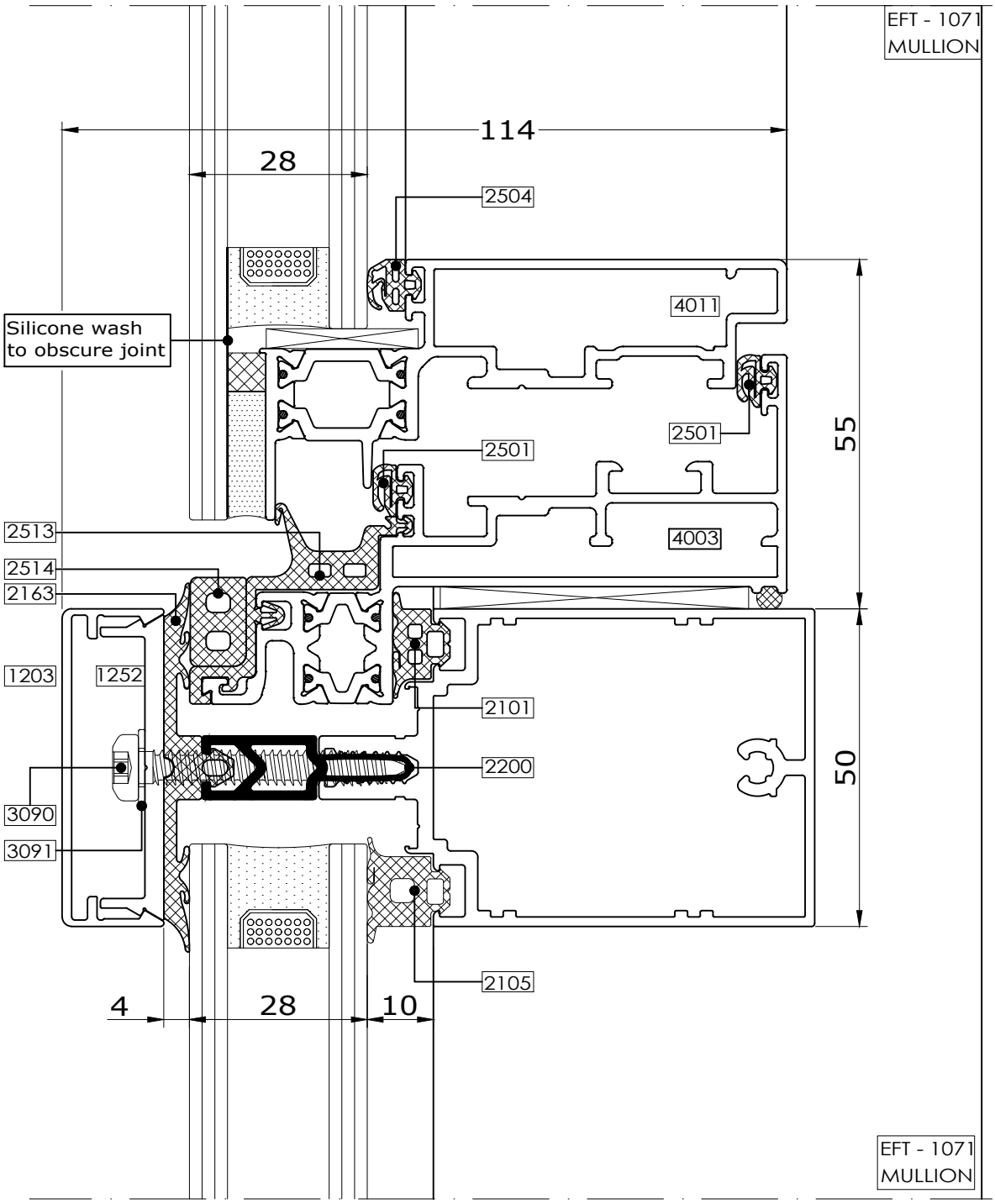
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Transom detail with Concealed Vent 2sided SGH



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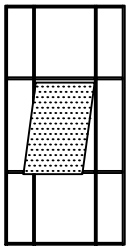
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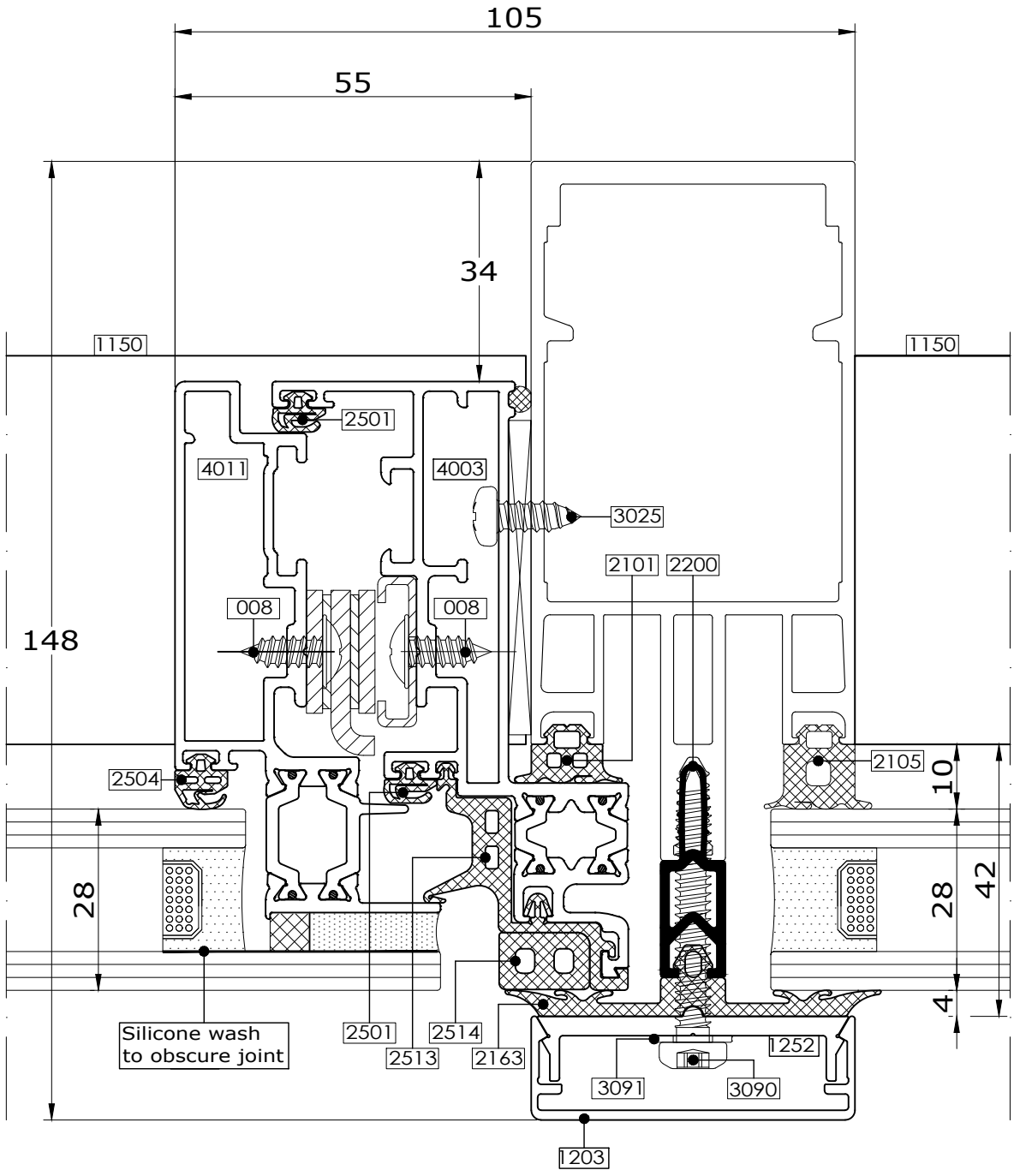


Mullion detail with Concealed Vent 2sided SGV

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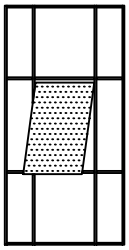
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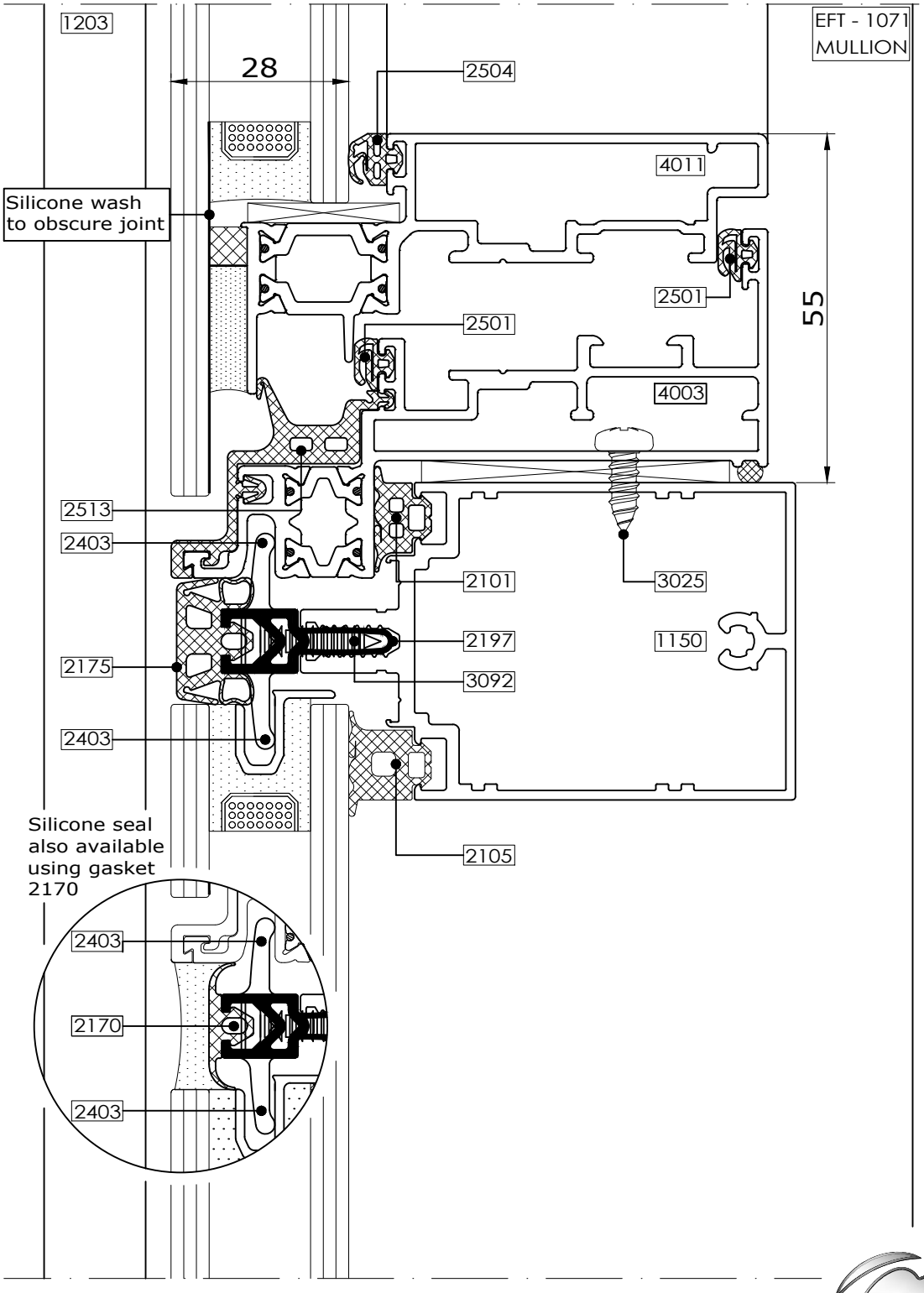
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Transom detail with Concealed Vent 2sided SGV



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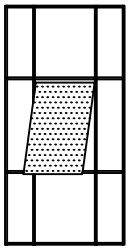
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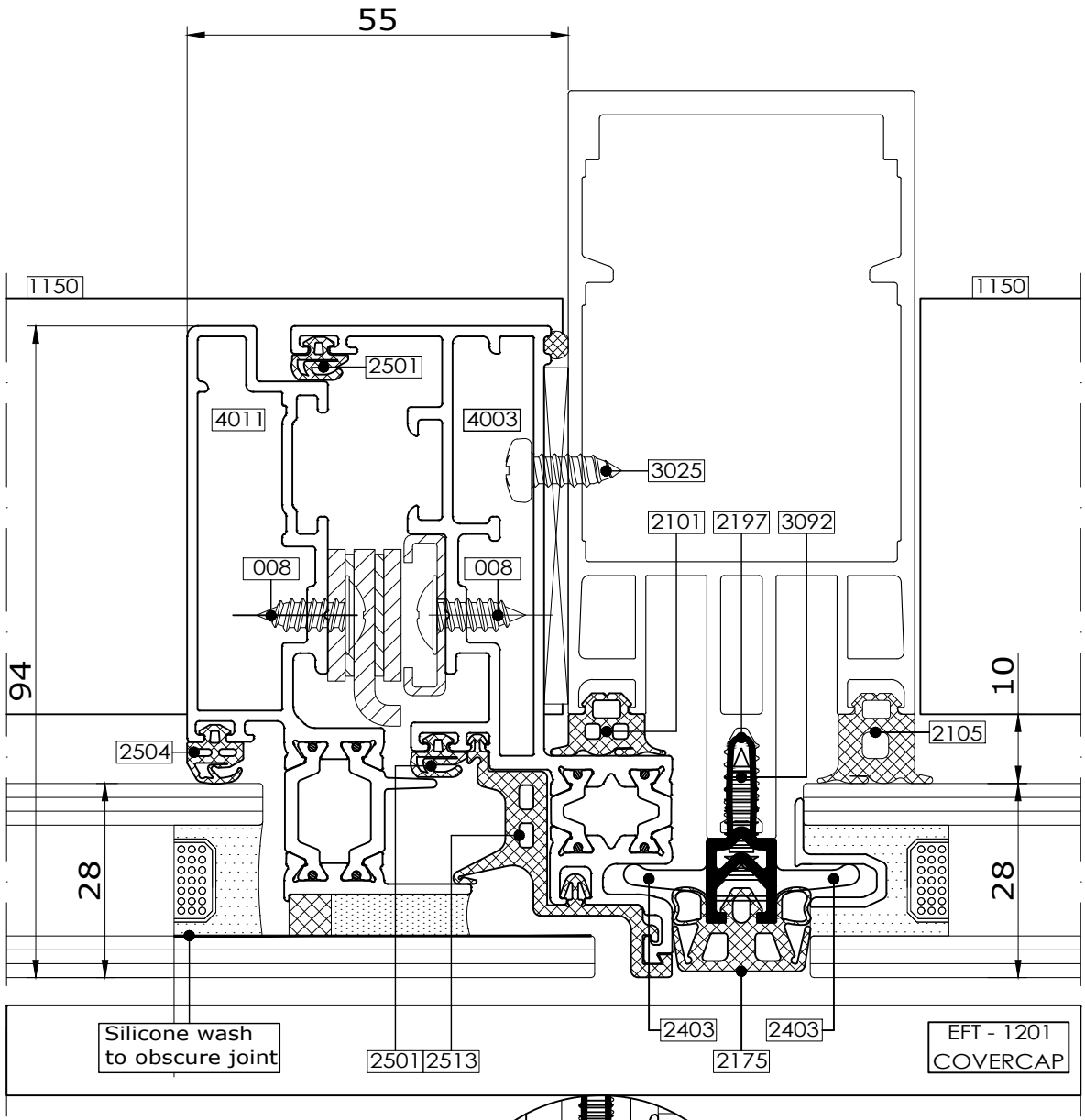
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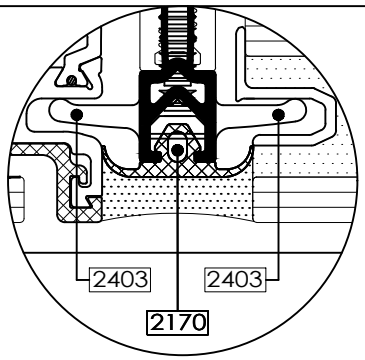


Mullion detail with Concealed Vent 4sided SG

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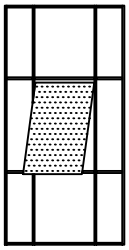
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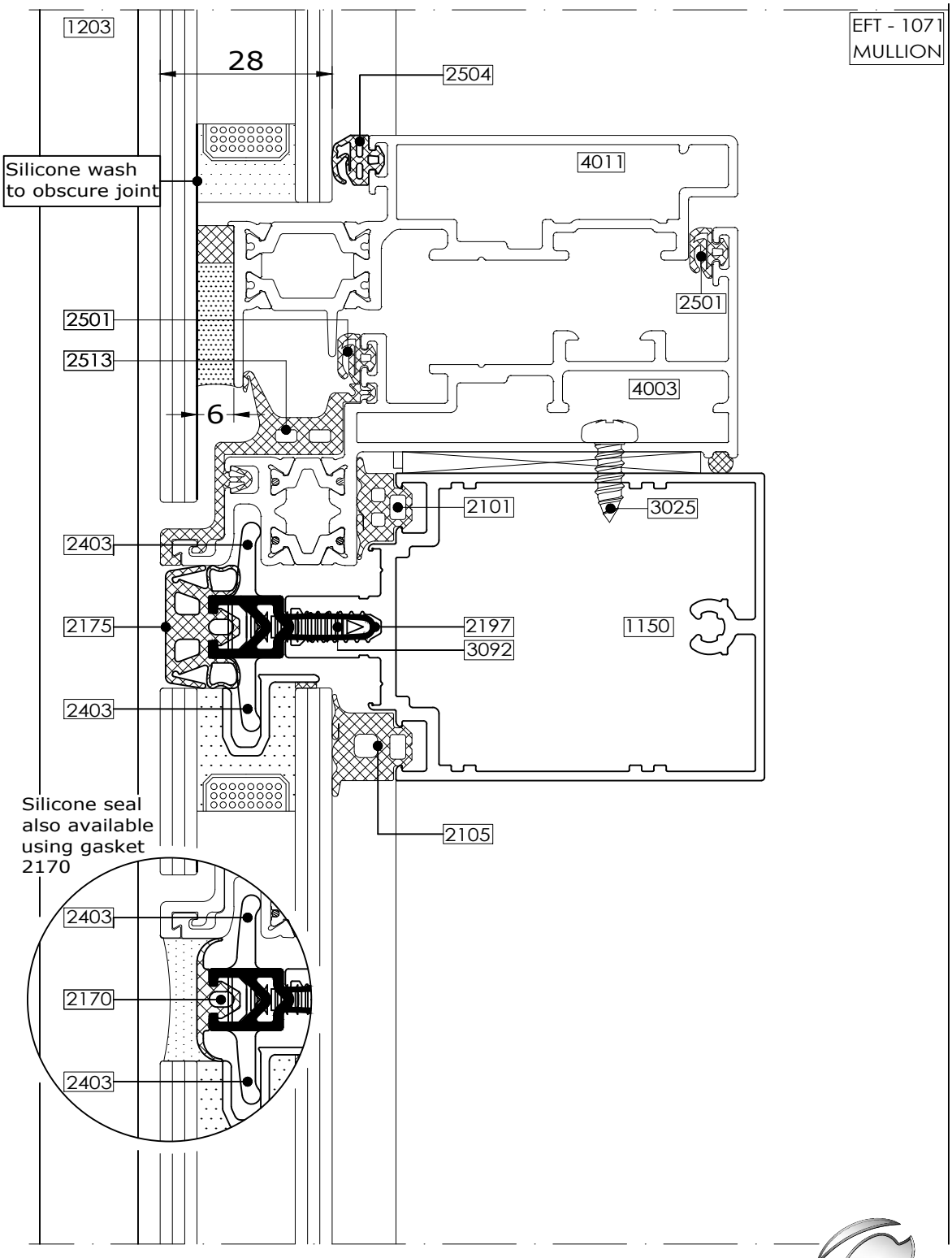
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Transom detail with Concealed Vent 4sided SG



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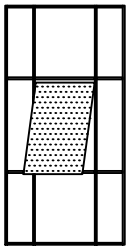
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Future Additions



8.09 - 8.29

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FUTURE ADDITION

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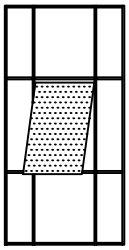
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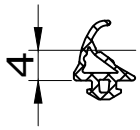
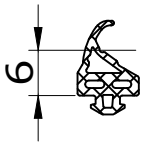
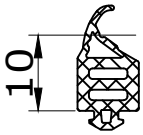
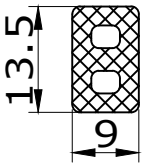
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EPDM gaskets



8.30

Illustration	Description	
	2501 Window seal (EFT - 4011) Material: EPDM Colour: Black Packing unit: 100 m Standard depth: 4mm	
	2504 Window seal (EFT - 4011) Material: EPDM Colour: Black Packing unit: 100 m Standard depth: 6mm	
	2508 Window seal (EFT - 4011) Material: EPDM Colour: Black Packing unit: 300 m Standard depth: 8mm	
	2510 Window seal (EFT - 4011) Material: EPDM Colour: Black Packing unit: 100 m Standard depth: 10mm	
	2514 Window fill block (EFT - 4003) Material: EPDM Colour: Black Packing unit: 50 m Standard depth: 9mm	
	2518 Window seal (EFT - 4011) Material: EPDM Colour: Black Packing unit: 300 m Standard depth: 2mm	

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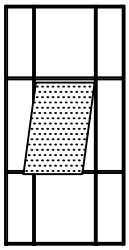
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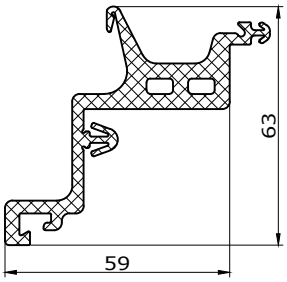
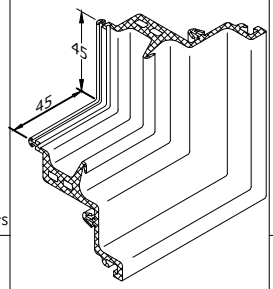
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Comar 6EFT

EPDM gaskets



8.31

Illustration	Description	Illustration	Description
	2513 Window air seal (EFT 4003) 30 mm Material: EPDM Colour: Black Packing Quantity: 50 mts		2613 Window air seal moulded corner (EFT 4003) 45 mm x 45mm Material: EPDM Colour: Black Packing Quantity: 10

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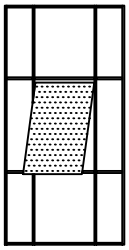
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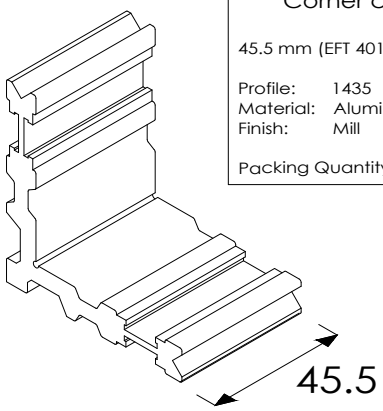
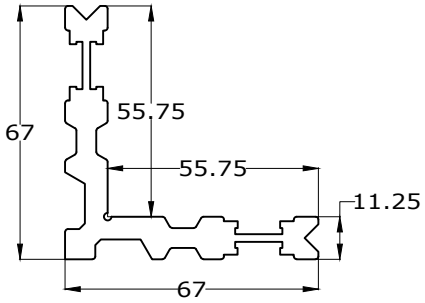
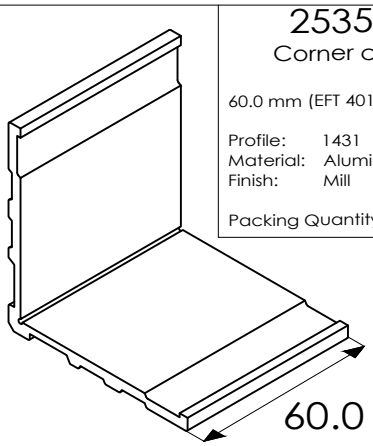
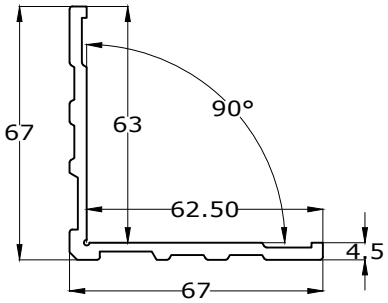
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Corner crimping cleats



8.32

Illustration	Description	Side View
	2530 R Corner cleat 45.5 mm (EFT 4011) Profile: 1435 Material: Aluminium Finish: Mill Packing Quantity:10 pcs	
	2535 R Corner cleat 60.0 mm (EFT 4011) Profile: 1431 Material: Aluminium Finish: Mill Packing Quantity: 10 pcs	

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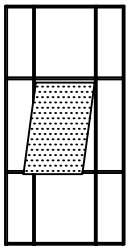
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Accessories 8

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Future Additions



8.33

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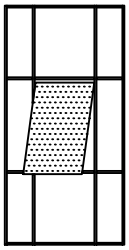
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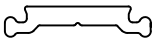
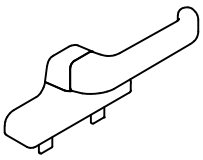
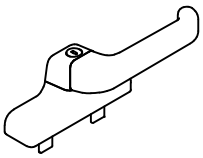
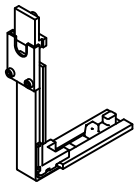
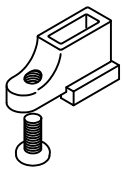
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Concealed vent hardware



8.34

Illustration	Description	Illustration	Description
	1340 Lock rod (EFT 4011) Material: Polyamide Colour: Black Packing unit: 5 pcs. Standard length: 4 m		5007 Handle - Non locking Colours: White, silver, black Materials: • Die-cast aluminium handle • Cremone case, gear • Die cast zamak racks, sliding elements & misalignment block • Hostaform internal protection & terminal board • Steel spring • Stainless steel screw & fixing plate. Packing unit: 1 pcs.
	5001 Curtain wall striker Material: Aluminium Colour: Mill Packing unit: 20		
	5002 Adjustable pawl Material: Zamak base & pawl. Stainless steel screws Packing unit: 20		5008 Handle - Locking Colours: White, silver, black Materials: • Die-cast aluminium handle • Cremone case, gear • Die cast zamak racks, sliding elements & misalignment block • Hostaform internal protection & terminal board • Steel spring • Stainless steel screw & fixing plate. Packing unit: 1 pcs.
	5003 Corner cleat Material: Zamak body & hand. Stainless steel grub screws and plates Packing unit: 10		
	5004 Connection block Material: White galvanised zamak. White galvanised steel fixing screw Packing unit: 10		

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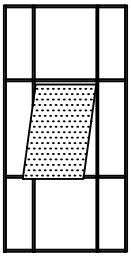
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Friction hinges details



NOTE: VENTS OF 100 KG MUST BE FITTED WITH CAM ADJUSTMENT DEVICES, WHICH ARE OPTIONAL ON LIGHTER VENTS. SEPARATE RESTRICTORS, VENT HOLDING DEVICES OR AN OPERATING MECHANISM MAY BE REQUIRED TO HOLD LARGE VENTS IN A SELECTED VENTILATION POSITION AGAINST VARIABLE WIND PRESSURE.

8.35

RESTRICTORS:
- HN013XSLF
- HN014XSLF
- HN015XSLF
- HN016XSLF
- HN018XSLF
- HN020XSLF

Note: For Max. Sash Width please contact the Comar Technical Dept.

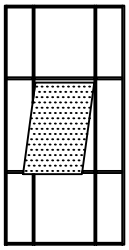
HINGE TYPE	HINGE REF.	HINGE SIZE, in/mm	MINIMUM WIDTH*, mm	MINIMUM HEIGHT*, mm	MAXIMUM WIDTH*, mm	MAXIMUM HEIGHT*, mm	MAXIMUM WEIGHT**,kg
DEFENDER							
TOP/PROJ CS955 CS956/ CS957	HN025XSLF	12"/310	-	350	-	550	20
	HN026XSLF	16"/412	-	500	-	780	21
	HN027XSLF	20"/513	-	700	-	1100	26
	HN028XSLF	24"/615	-	850	-	1300	40
SIDE/PROJ CS955 CS956/ CS957	HN022XSLF	12"/310	300	-	600	-	22
	HN021XSLF	16"/412	400	-	700	-	24
DEFENDER PLUS							
SIDE/PROJ CS955 CS956/ CS957	HN516XSLF	16"/412	400	-	1000	-	40
DEFENDER EGRESS							
SIDE/PROJ CS955 CS956/CS957	HN038XSLF	12"/310	300	-	600	-	22
	HN039XSLF	16"/413	400	-	700	-	24
STERLING							
TOP/PROJ CS955/CS956/ CS957	HN505XSLF	22"/567	-	1090	-	1500	100
TOP/PROJ CS956/CS957	HN515XSLF	22"/567	-	1500	-	2000	100
	HN506XSLF	26"/680	-	2000	-	2500	180
SIDE/PROJ CS955 CS956/CS957	HN507XSLF	10"/262	300	-	660	-	38
	HN508XSLF	16"/415	450	-	838	-	55

* Sizes shown for window vents only.
** Maximum weights determined by manufacturers hardware options.

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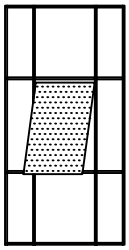
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Future Additions



8.37 - 8.39

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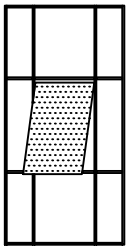
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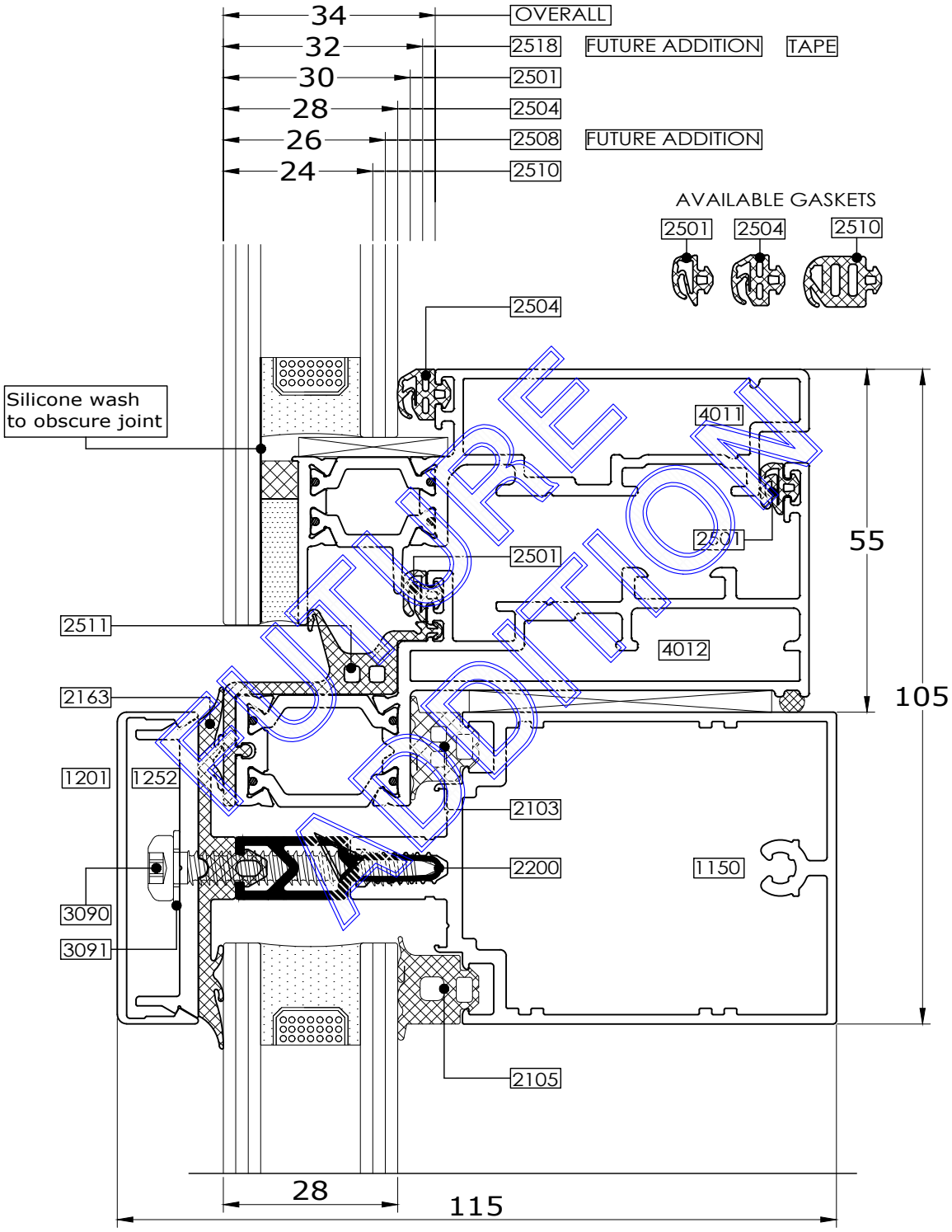
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Glazing chart 4011 / 4012



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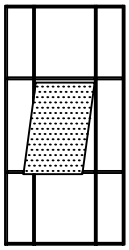
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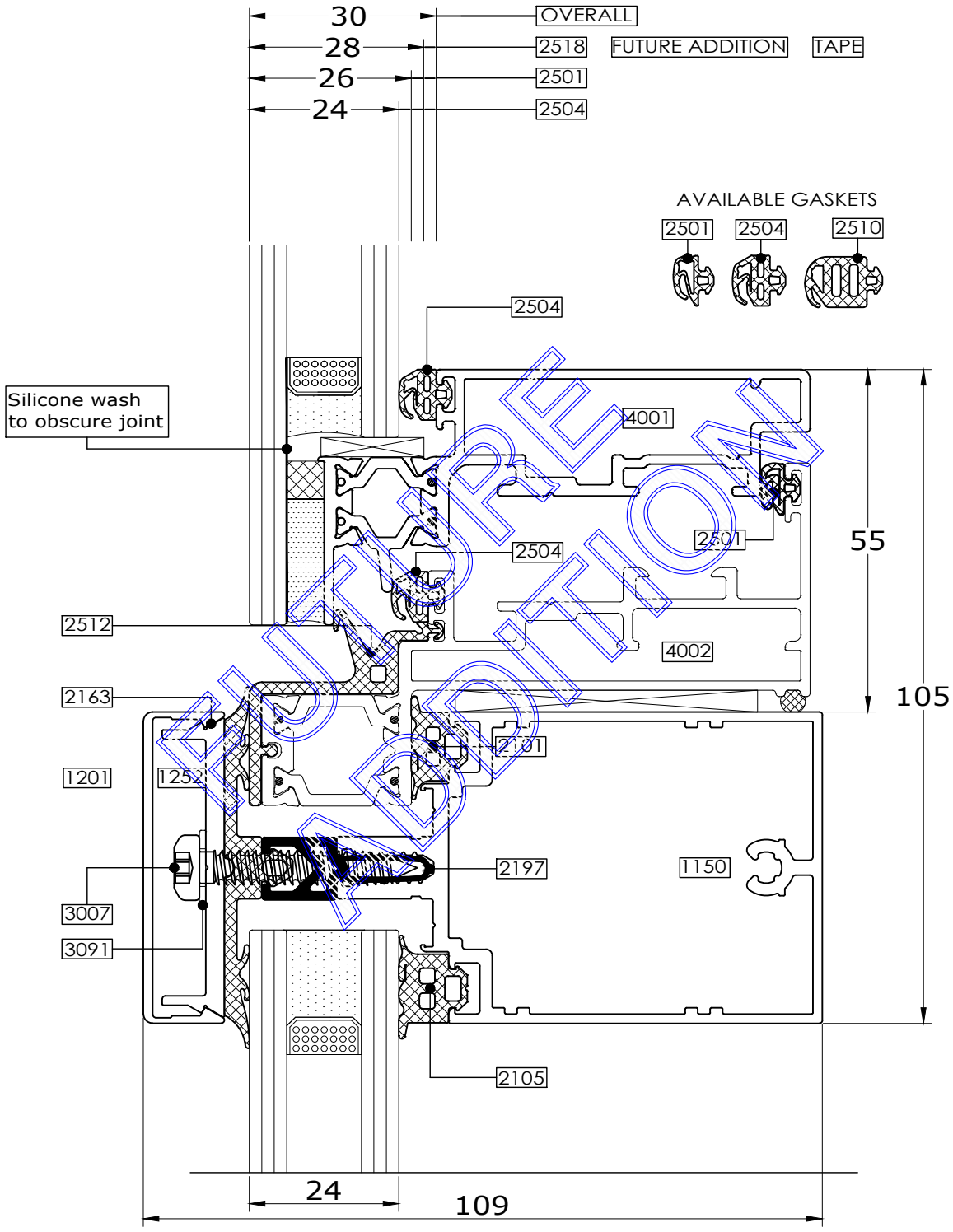
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Glazing chart 4001 / 4002



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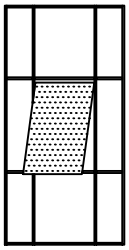
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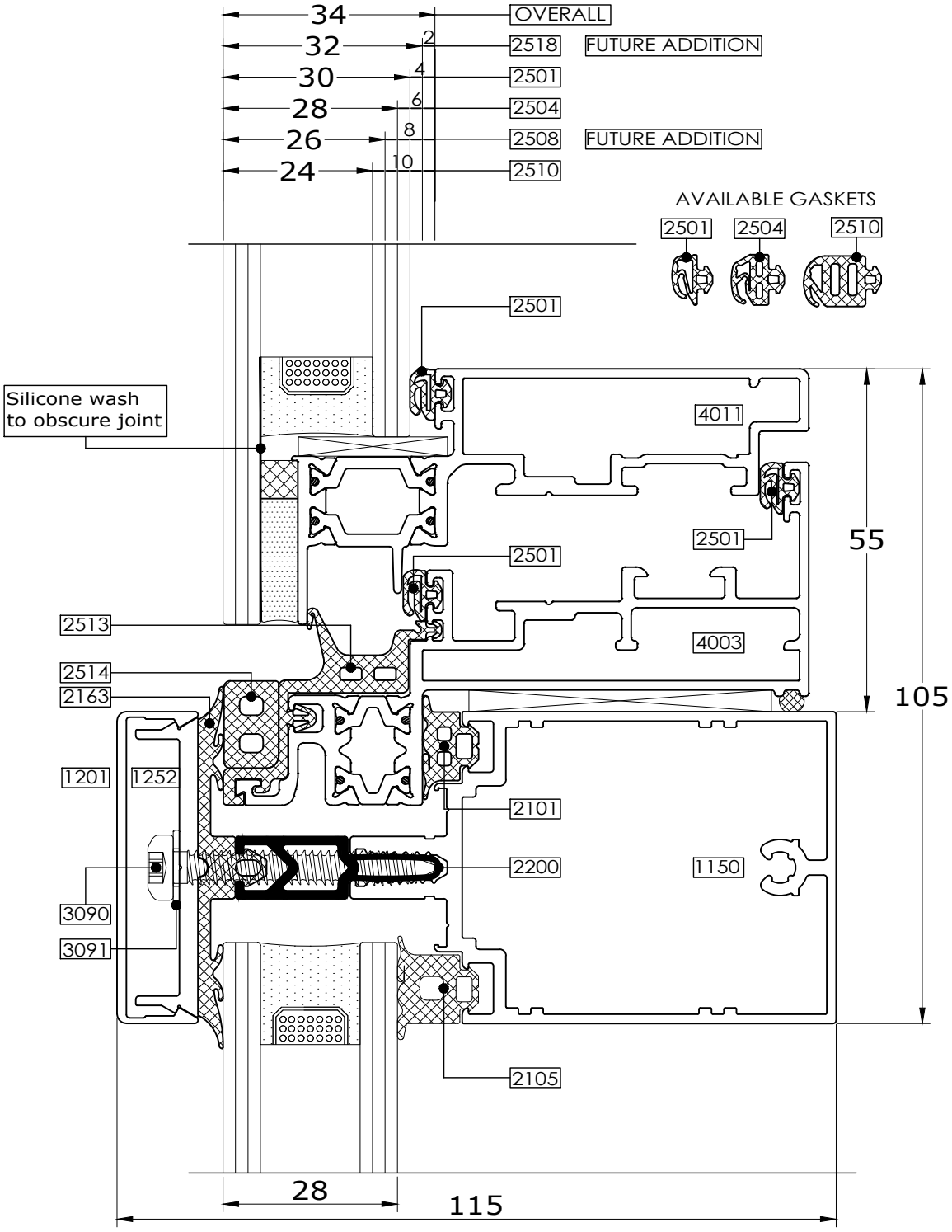
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Glazing chart - Capped 4003 / 4011





8.42

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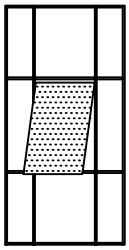
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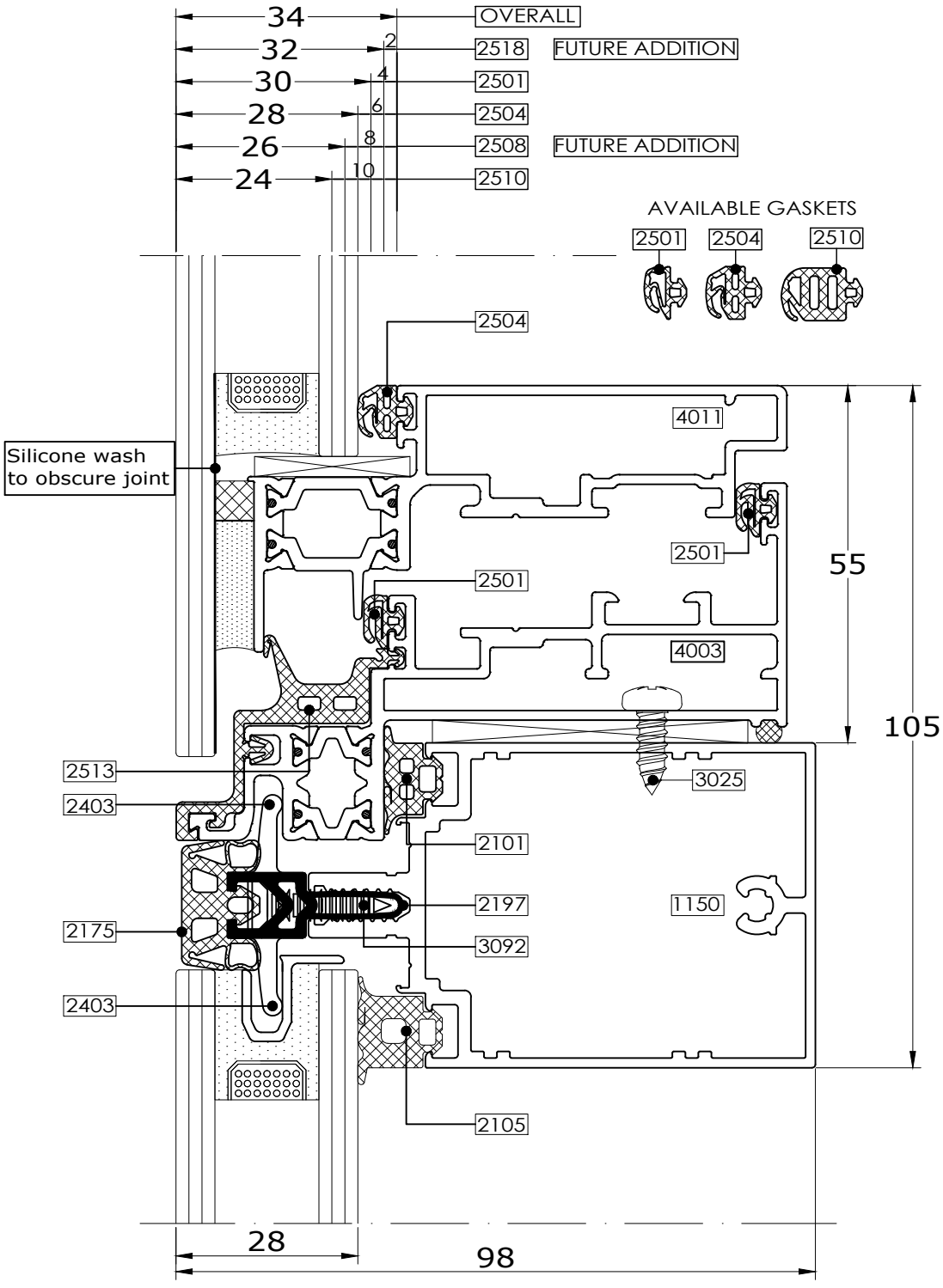
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Glazing chart - SG 4003 / 4011



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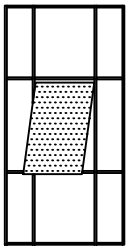
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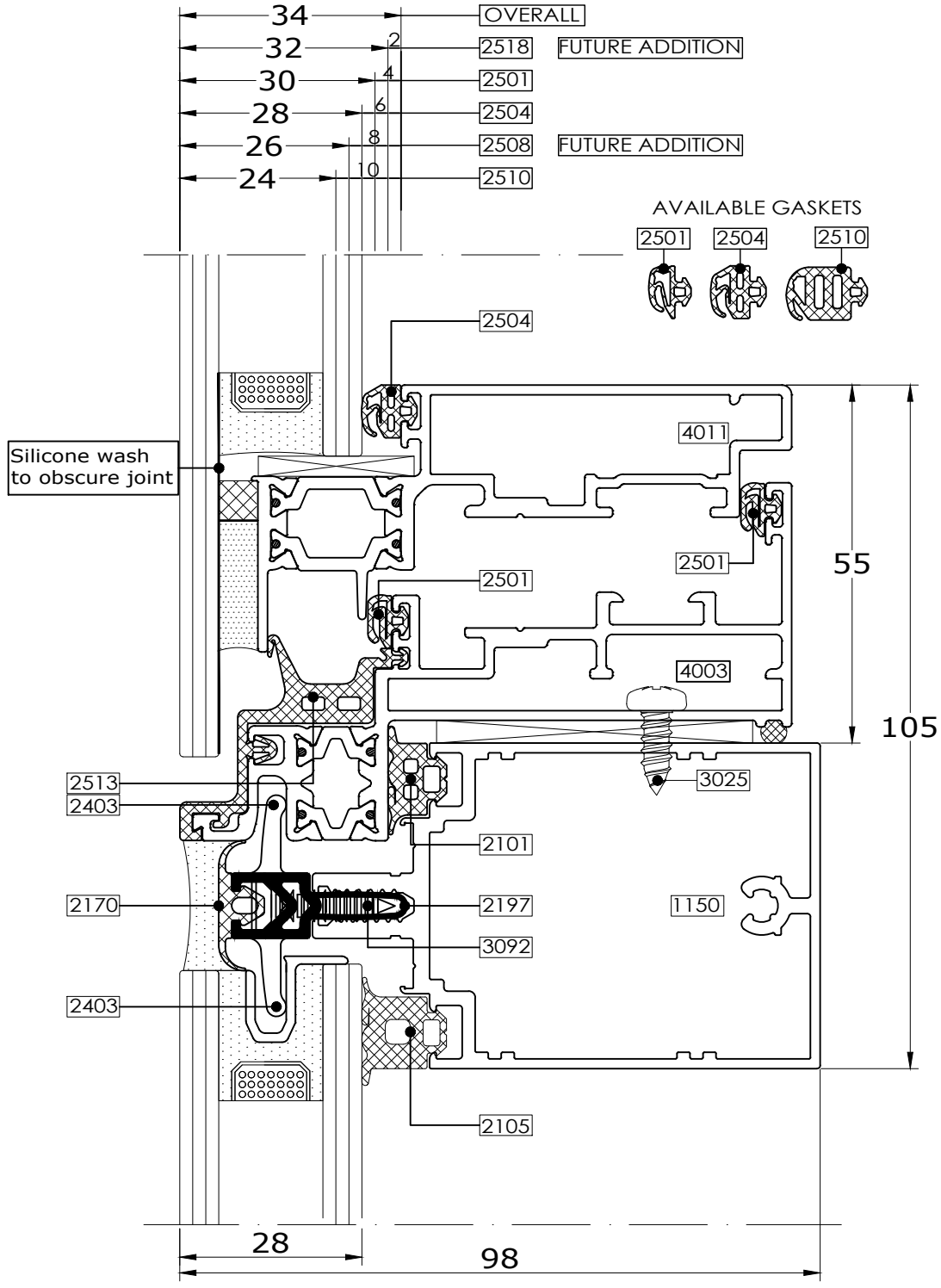
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Glazing chart - SG 4003 / 4011





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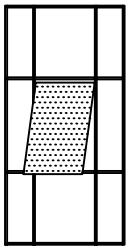
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Future Additions



8.45 - 8.49

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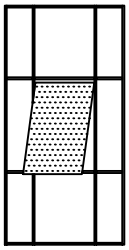
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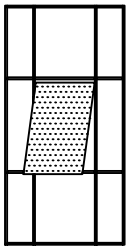
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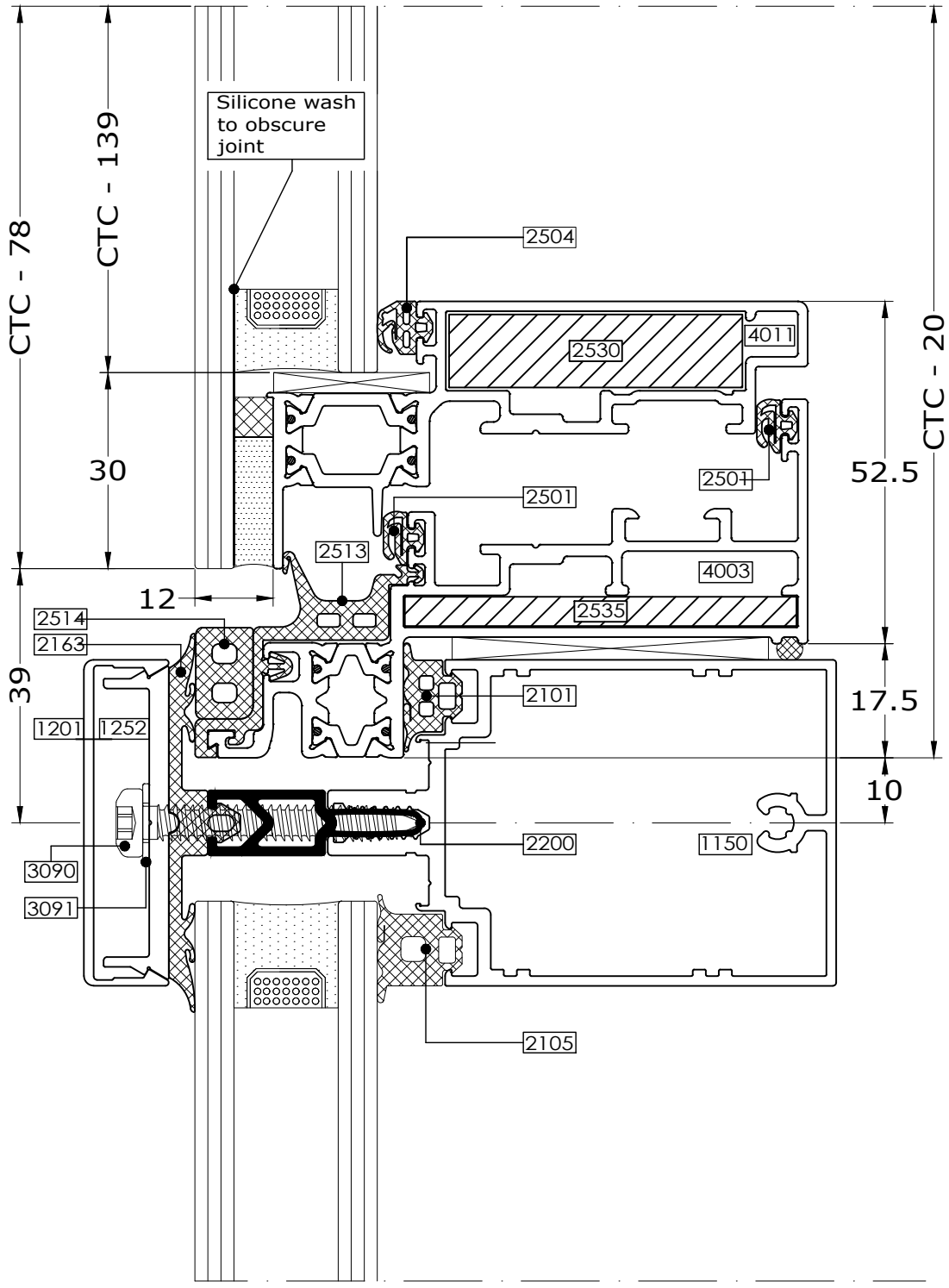
Fabrication 8

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Cutting sizes - 4003/4011 Capped



8.51



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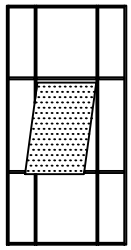
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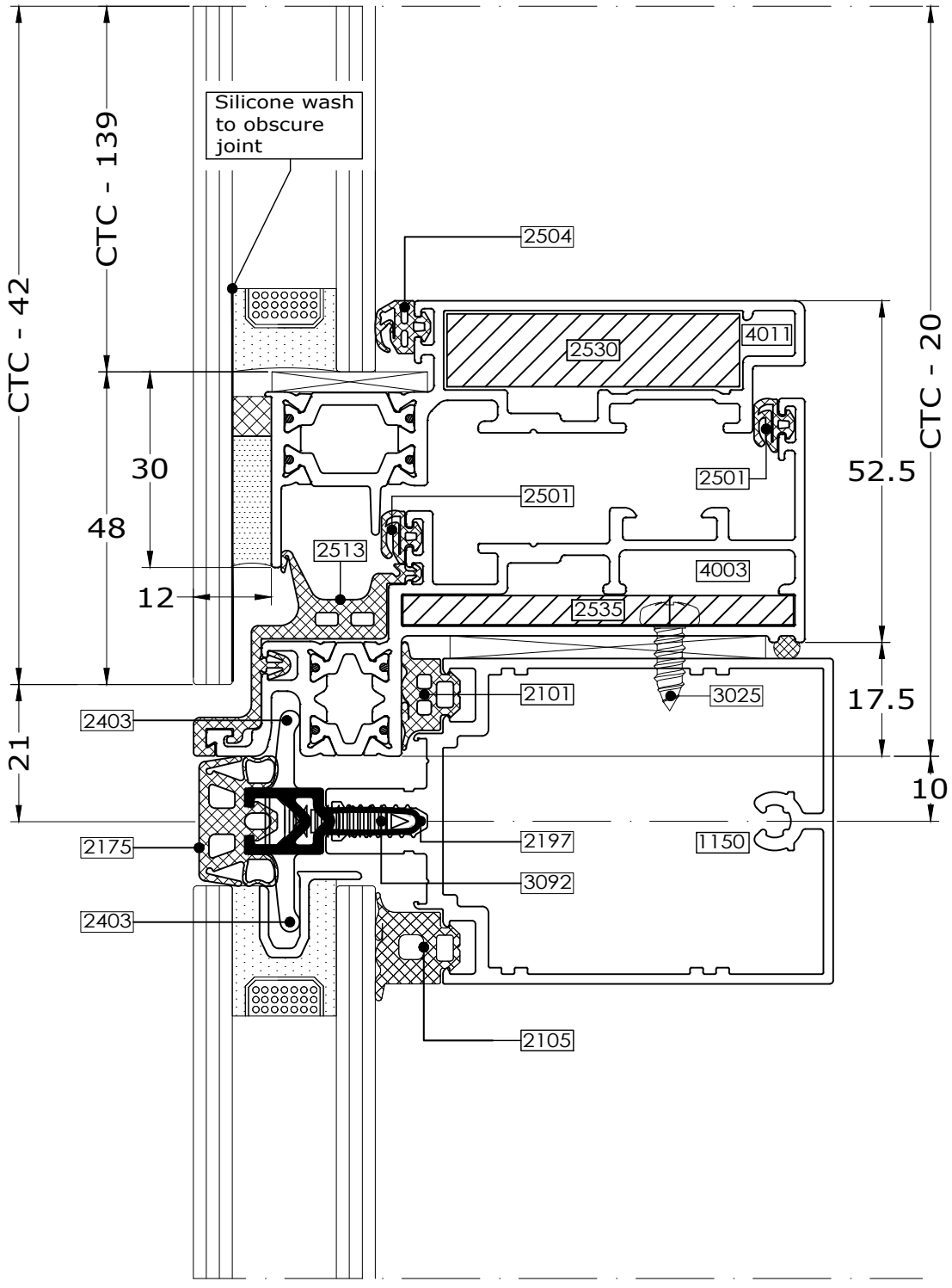
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Cutting sizes - 4003 / 4011 SG



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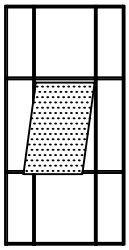
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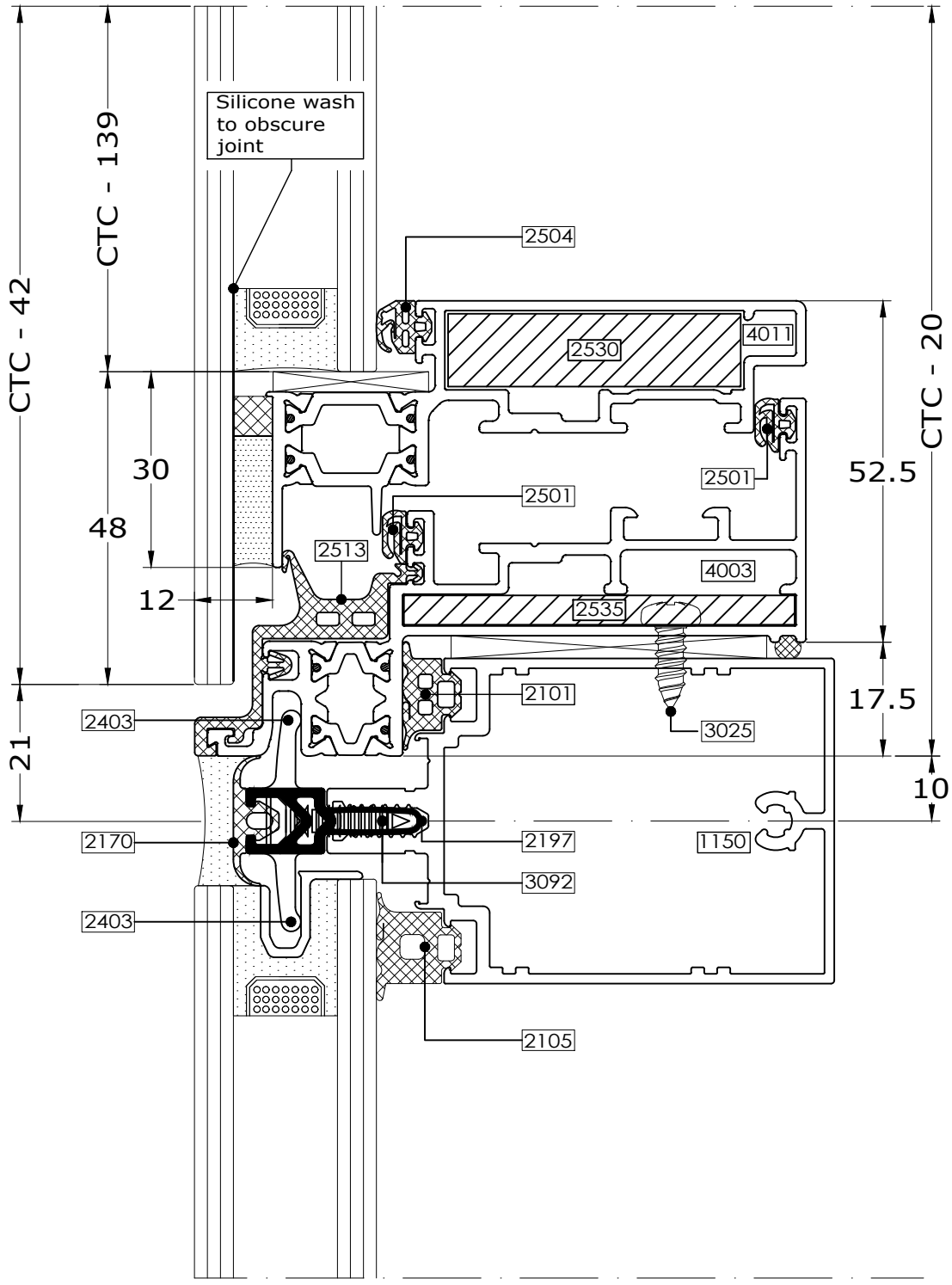
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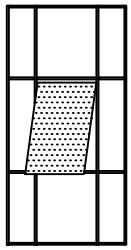
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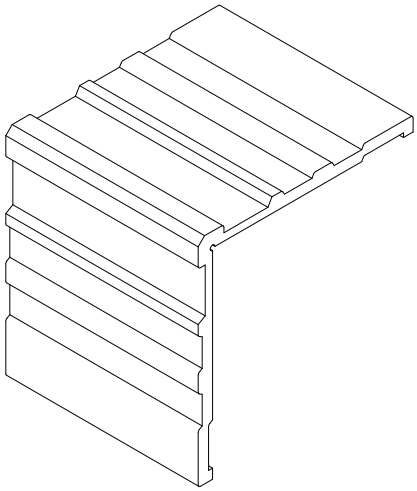
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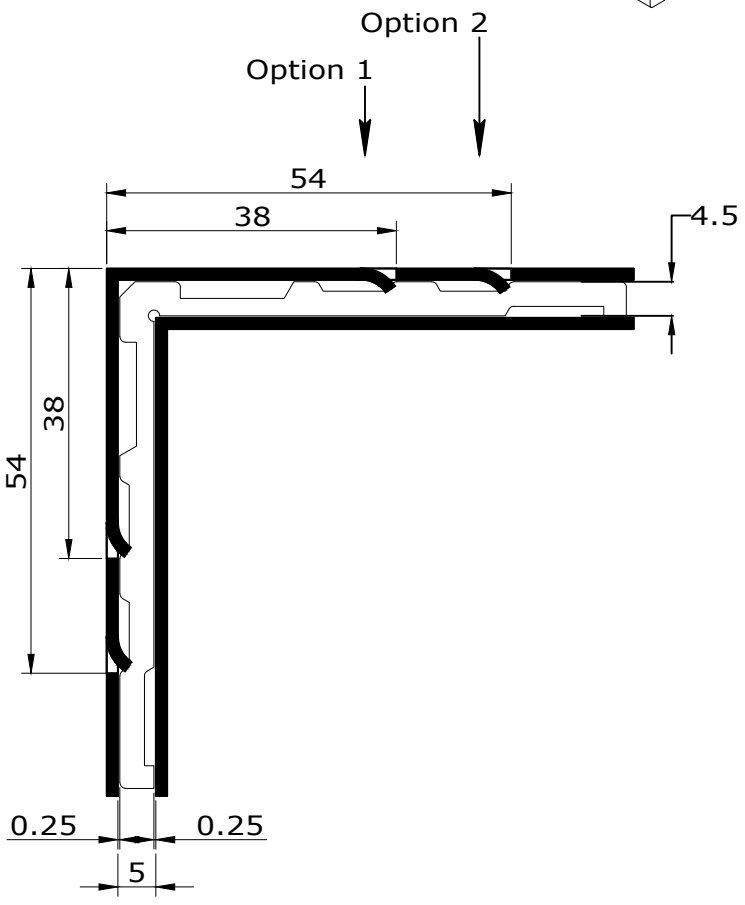
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Crimping options
Profile 1431





8.54



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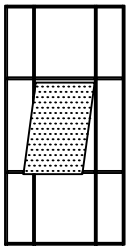
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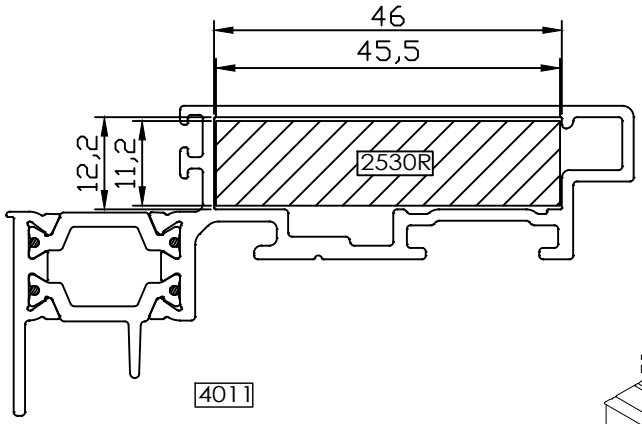
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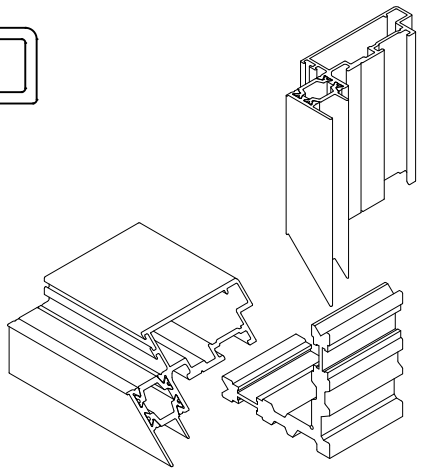
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Concealed vent sash crimping cleats

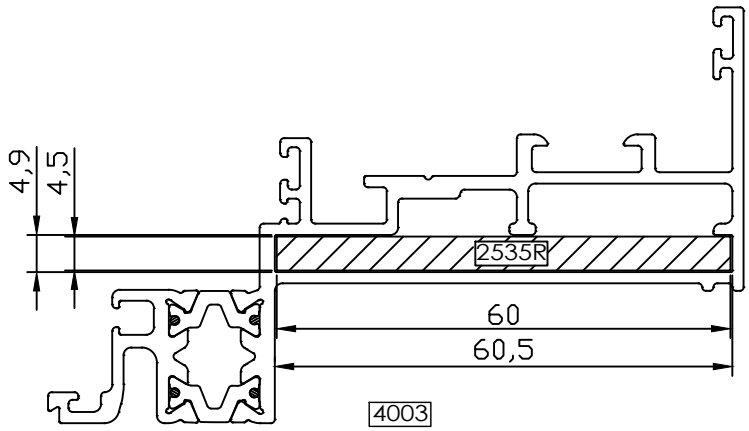


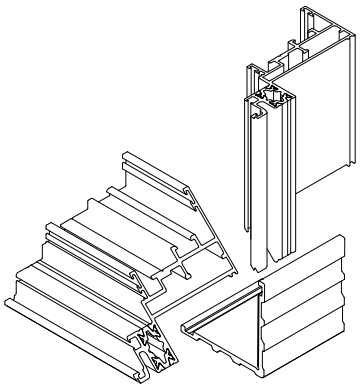
8.55





Use cleat 2530R
(cut from profile 1435)





Use cleat 2535R
(cut from profile 1431)

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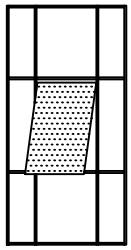
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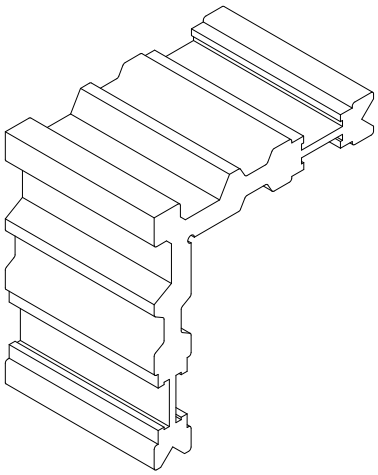
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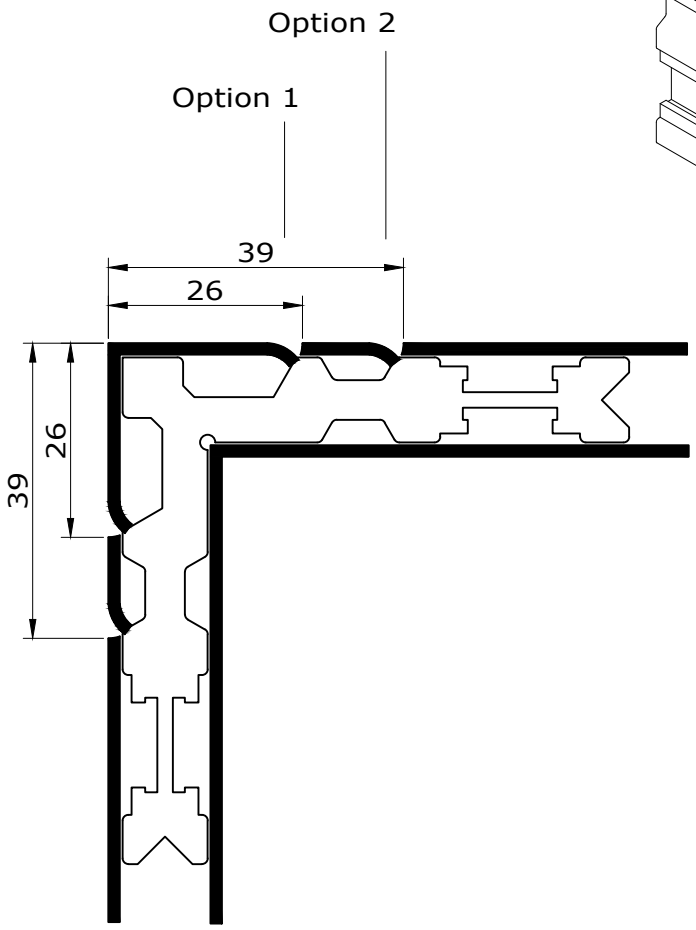
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Crimping options for EFT - 2530 cut from profile 1435





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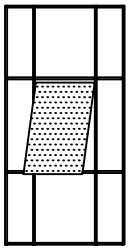
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Typical details 8

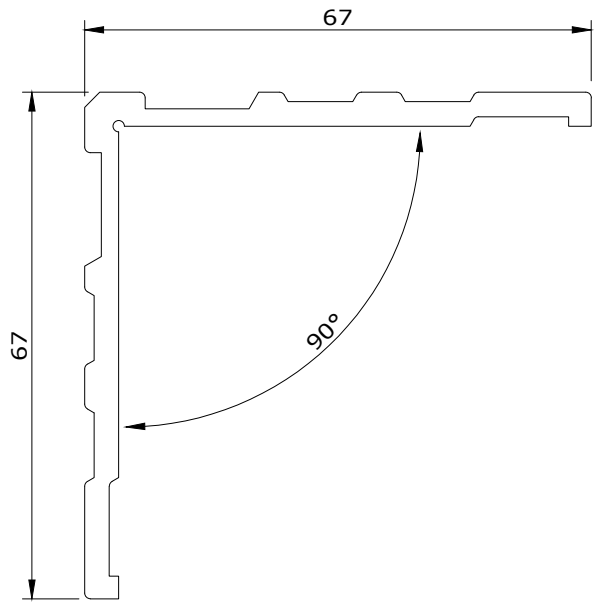
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Concealed vent sash crimping cleats

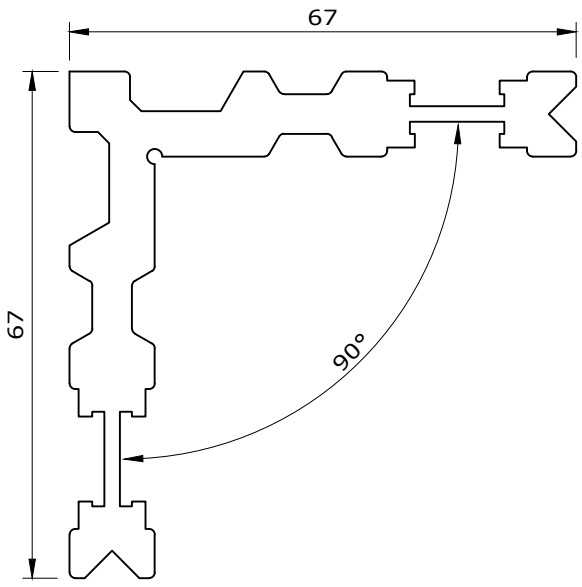


8.57

1431 - Corner cleat - 4.5 mm



1435 - Corner cleat - 11.8 mm



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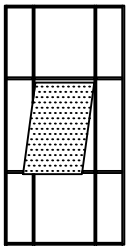
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Future Additions



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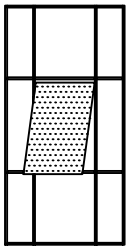
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Glazing Charts 8

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Future Additions



8.59

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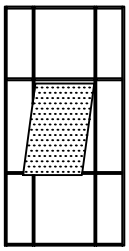
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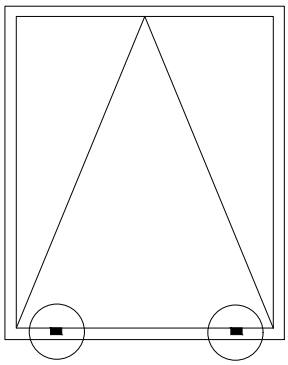
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Drainage & ventilation overview



Drainage

TOP HUNG VENT



8.60

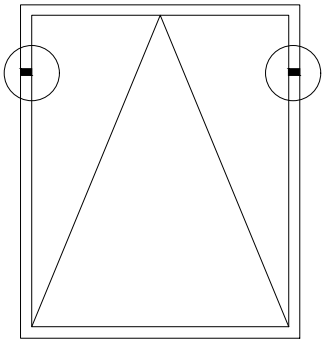
2 options for drainage:

Option 1: Drainage through frame chamber.

Option 2: Flush at window sill.

Ventilation

(pressure equalisation)



Fabricators Guide

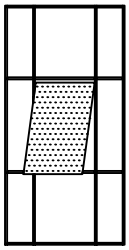
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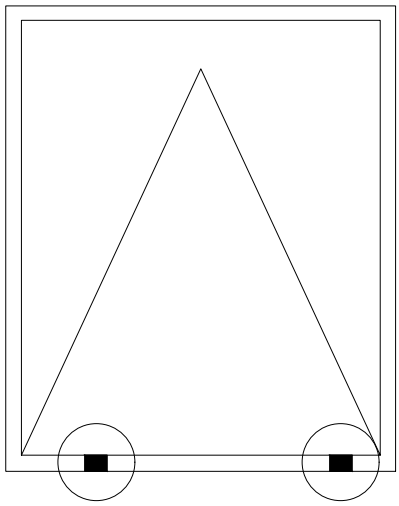
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Drainage & ventilation Option 1



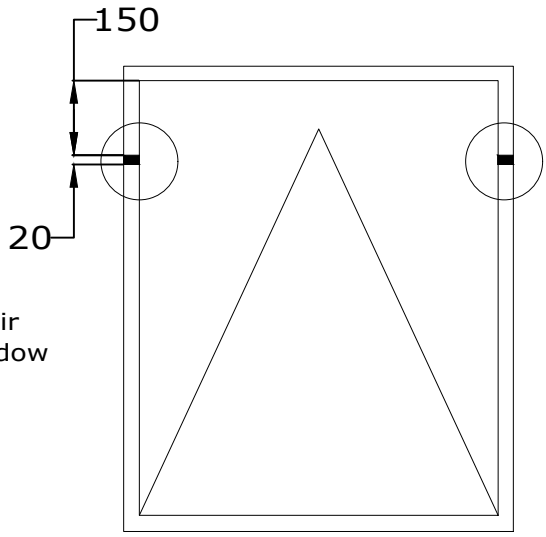
Drainage: Option 1

Drainage through frame chamber



8.61

1. Drill minimum 8mm CWCT diameter hole into frame.
2. Mill slot of 5mm x 25mm CWCT minimum.
3. Mill upstands away, 2 x approx. 10mm.
4. Remove/cut EPDM air seal profile.
5. Drill 8mm CWCT diameter hole for drainage & ventilation.



Ventilation

(pressure equalisation)

6. Remove / cut out EPDM seal & EPDM air seal (if applicable) at both sides of window at approx. 150 mm from top.
   Length: approx. 20 mm

Fabricators Guide

Note: Drainage and ventilation prep. is the same for capped /non capped, top project/side project concealed vents.

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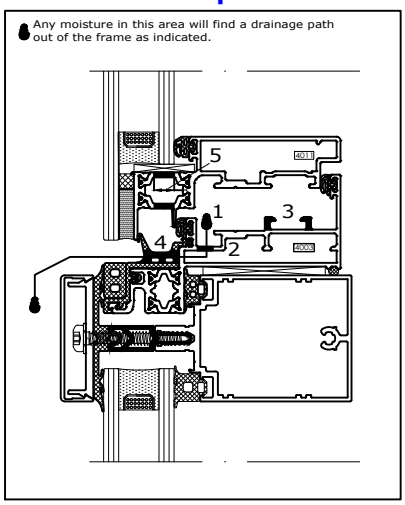
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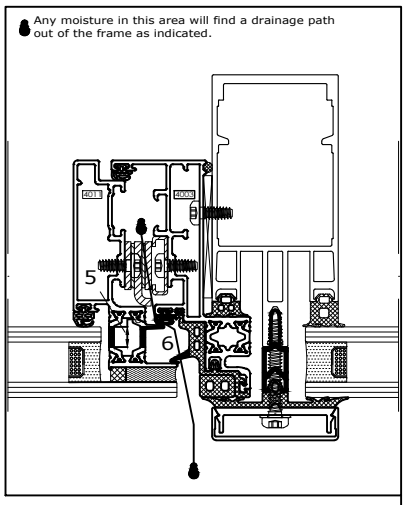
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Drainage & ventilation overview - Option 1





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FUTURE ADDITION

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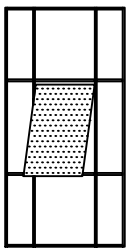
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Fabrication 8

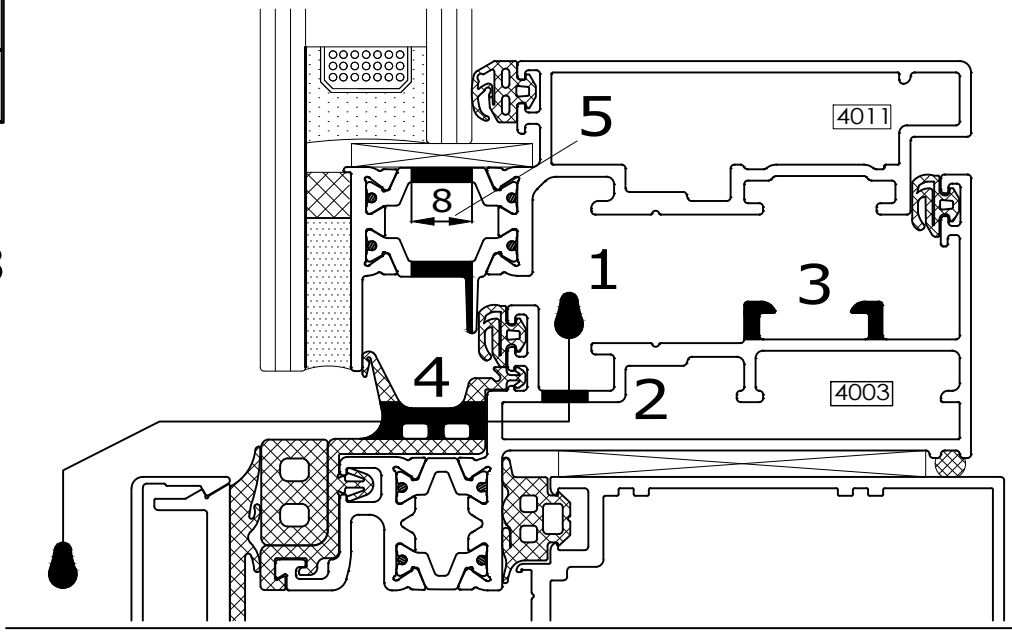
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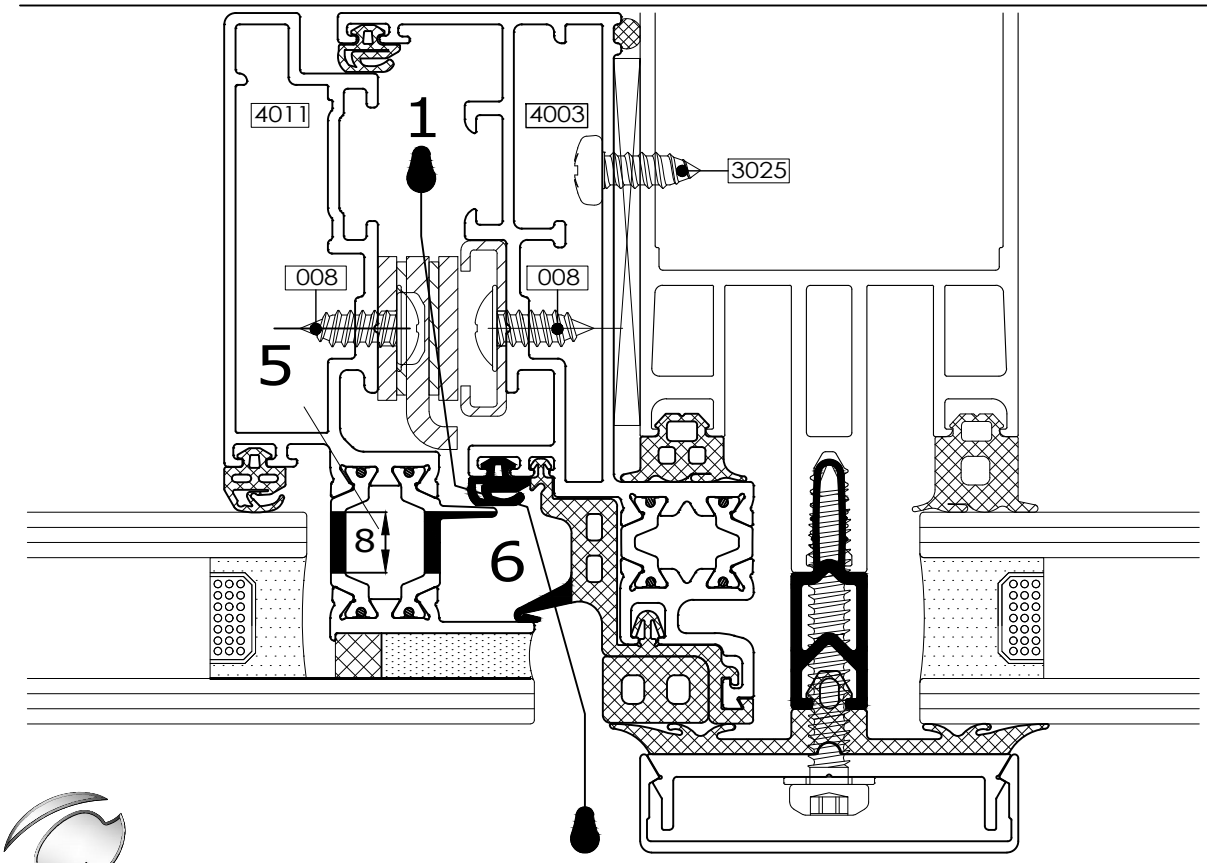
Drainage & ventilation Option 1



1 Any moisture in this area will find a drainage path out of the frame as indicated.

8.63





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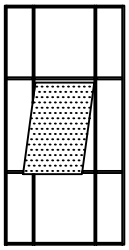
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Future Additions



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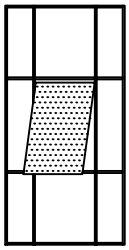
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Drainage & ventilation Option 2

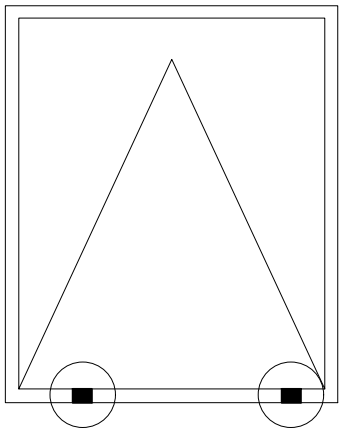


Drainage: Option 2

Flush at window cill

8.67

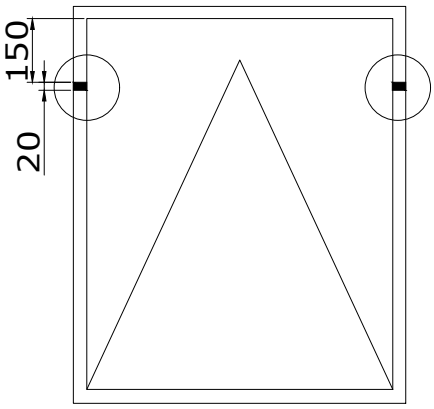
1. Mill slot of 5mm x 25mm CWCT.
2. Mill upstands away, 2 x approx. 10mm.
3. Drill 8mm CWCT hole for ventilation / drainage.
4. Remove/cut EPDM air seal profile.



Ventilation

(pressure equalisation)

5. Remove / cut out EPDM seal & EPDM air seal (if applicable) at both sides of window at approx. 150 mm from top. Length: approx. 20 mm



Note: Drainage and ventilation prep. is the same for capped / non capped, top project/side project concealed vents.

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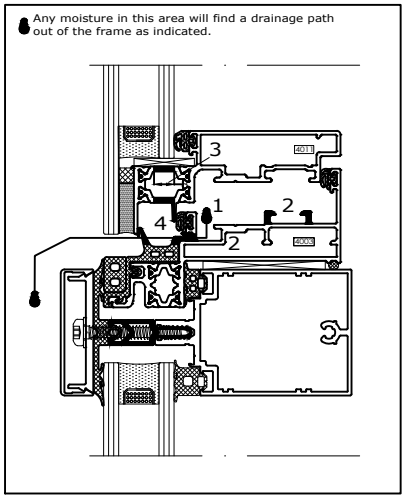
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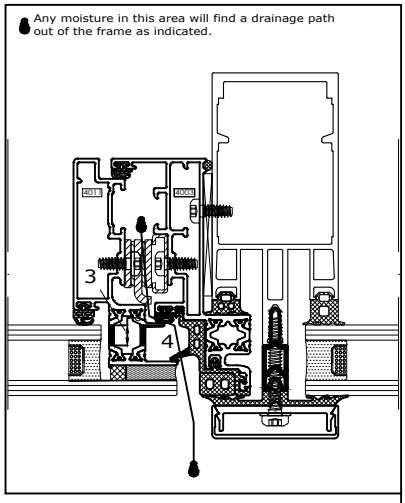
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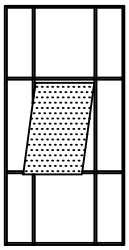
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Drainage & ventilation overview - Option 2





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8.68

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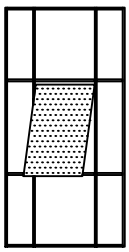
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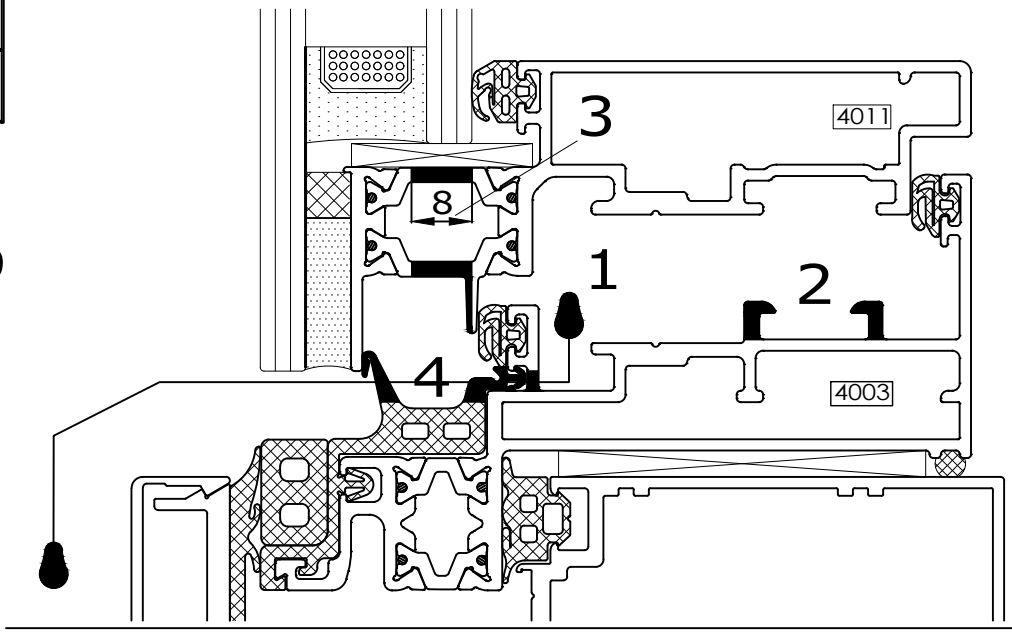
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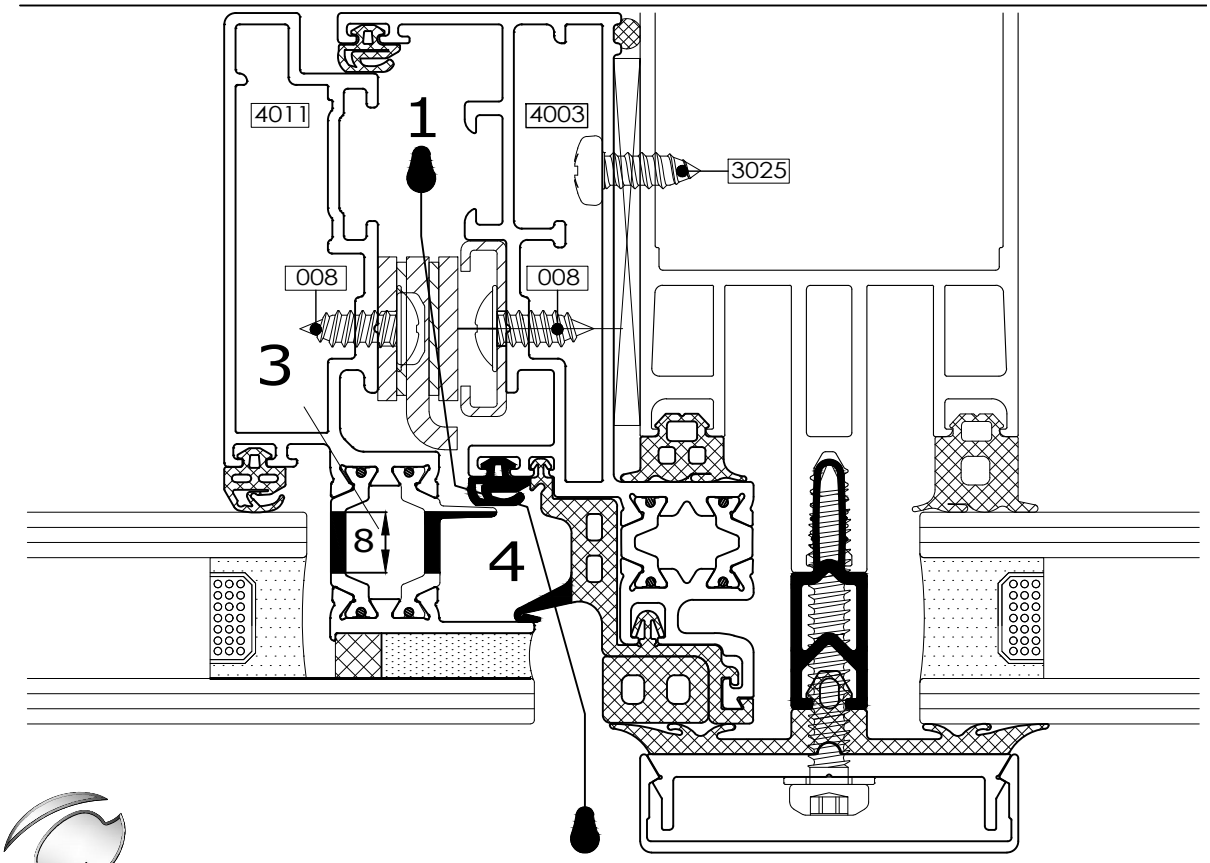
Drainage & ventilation Option 2



1 Any moisture in this area will find a drainage path out of the frame as indicated.

8.69





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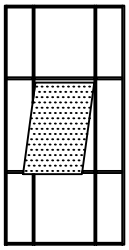
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Future Additions



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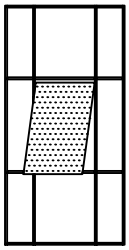
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Future Additions



8.71 - 8.79

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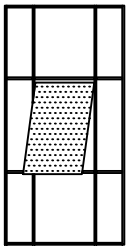
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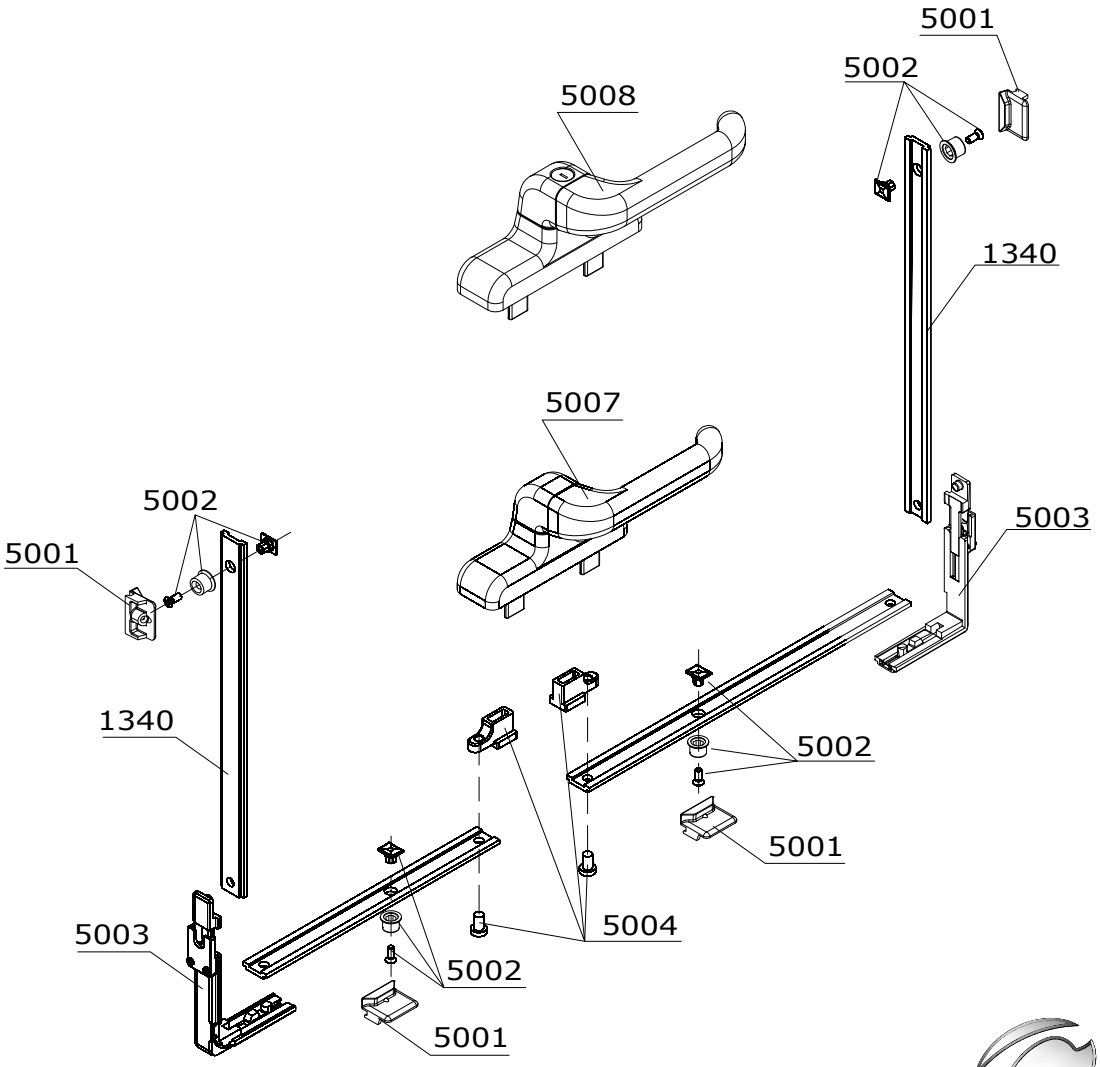
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Hardware overview



8.80

		Locking	
Part no.	Description	2 points	4 points
1340	Drive rods	see 8.81	see 8.81
5001	Curtain wall striker	2 of	4 of
5002	Adjustable pawl	2 of	4 of
5003	Corner cleat	0 of	2 of
5004	Connection block	1 of	1 of
5007	Handle - non locking	1 of	1 of
5008	Handle - locking	1 of	1 of



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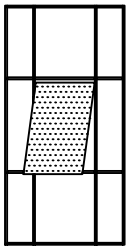
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Fabrication 8

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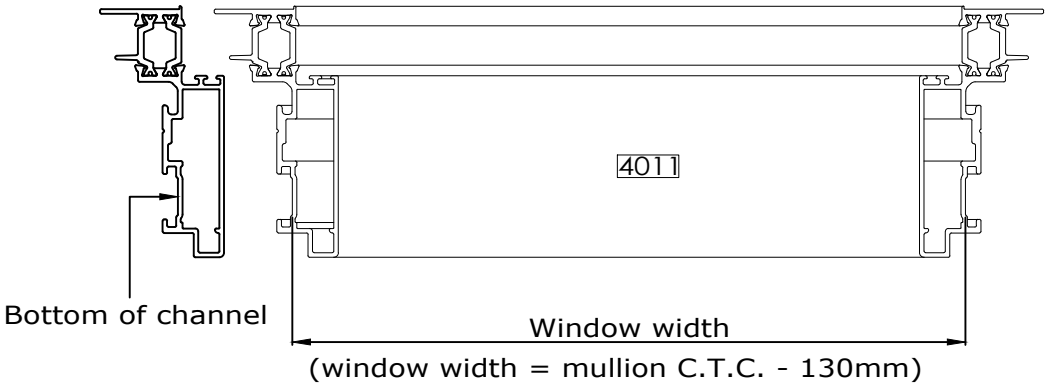
Bottom drive rods 1340 preparation



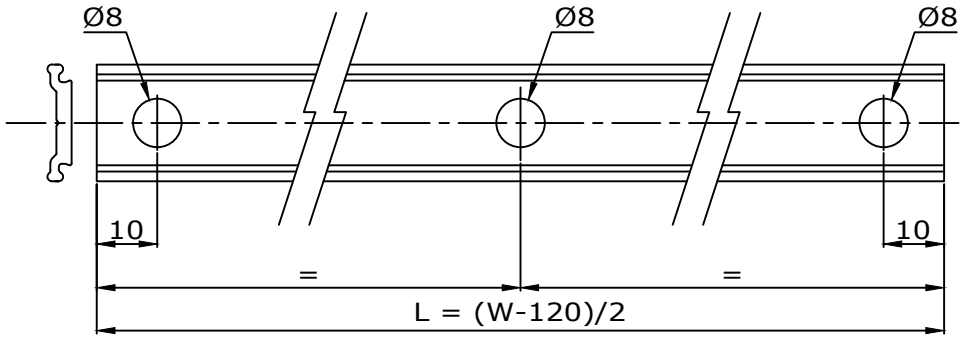
4 POINTS LOCKING: Rod lengths = window width - 124mm/2
2 POINTS LOCKING: Rod lengths = window width - 79mm/2

Window width measured along bottom of channel

8.81

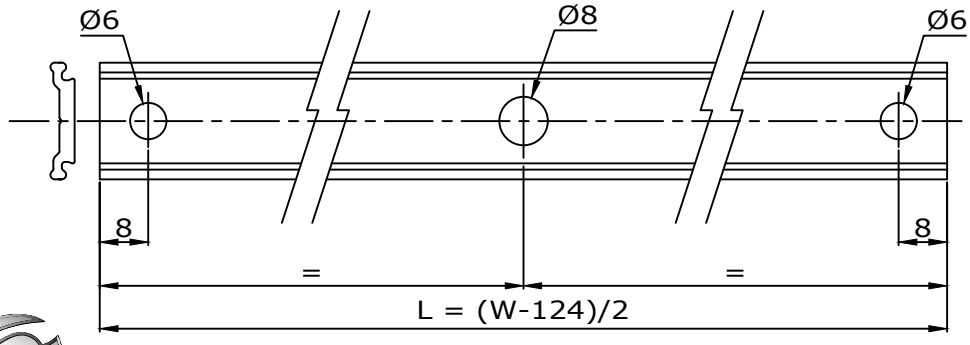


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x2

"OR"



x2

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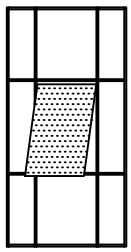
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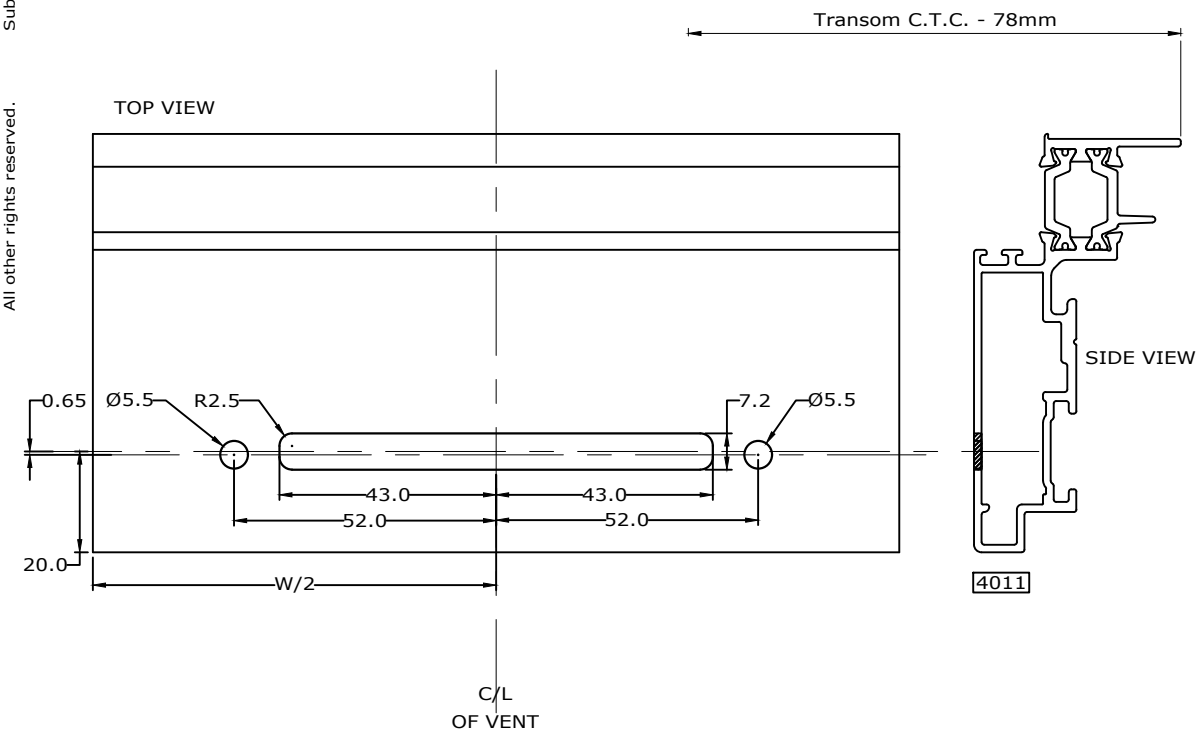
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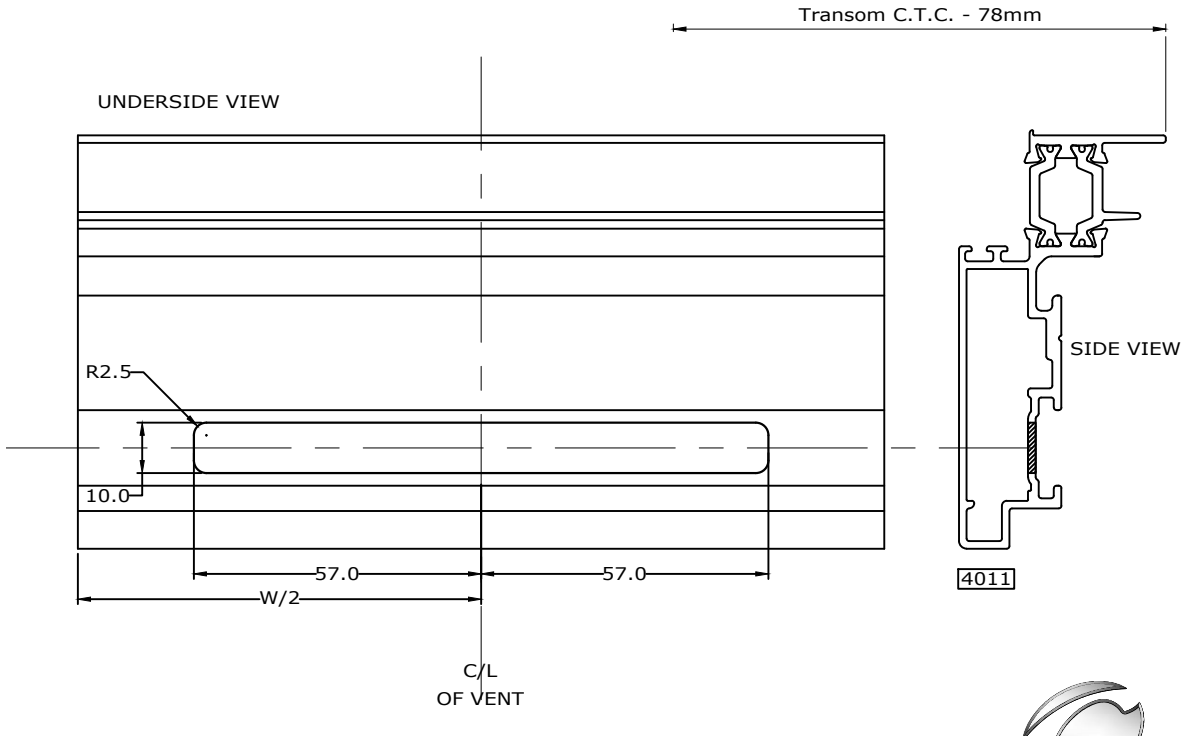
Handle preparation 5007 & 5008



8.82



C/L
OF VENT



C/L
OF VENT

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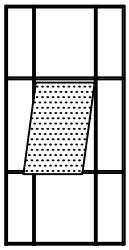
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Future Additions



8.83 - 8.99

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FUTURE ADDITION

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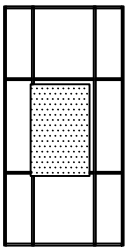
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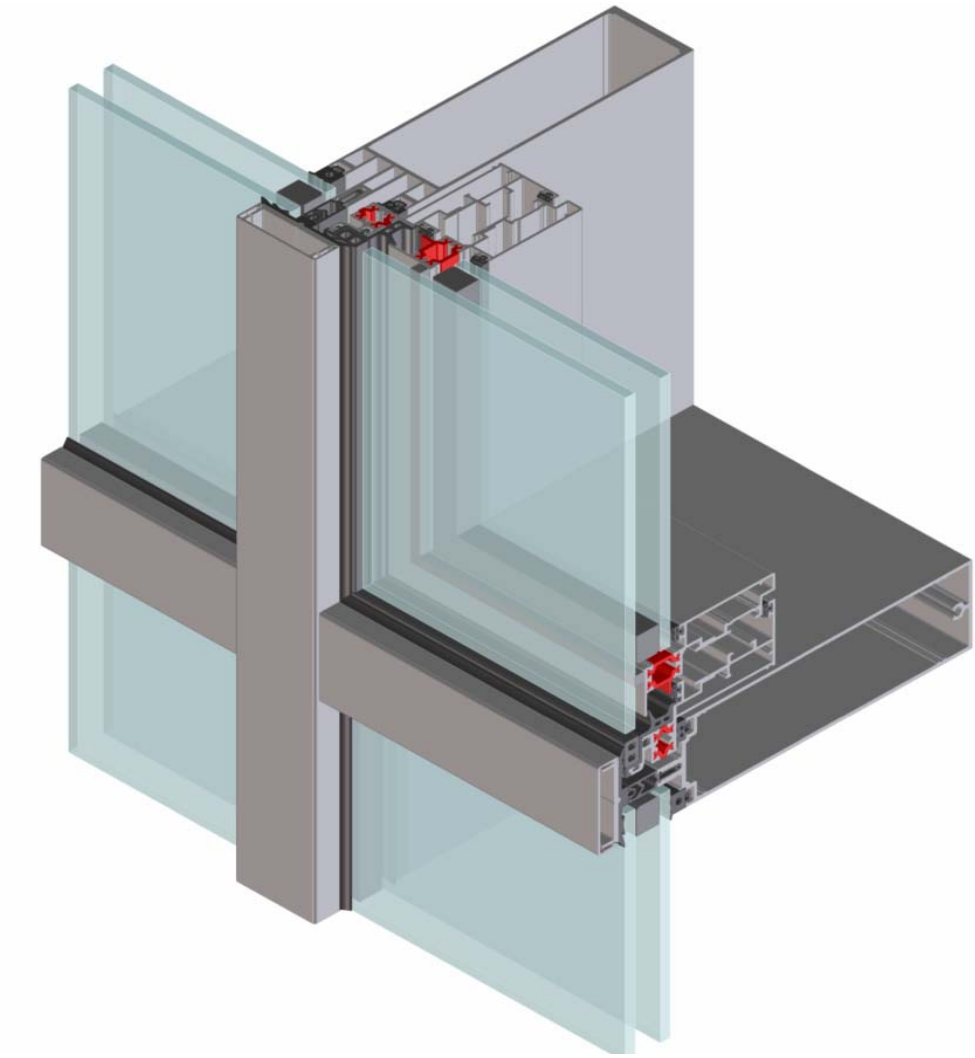
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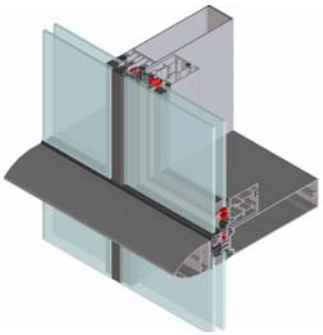
Parallel Hinge System

Comar 6EFT

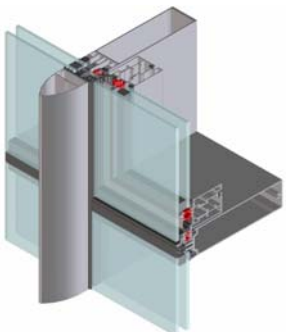




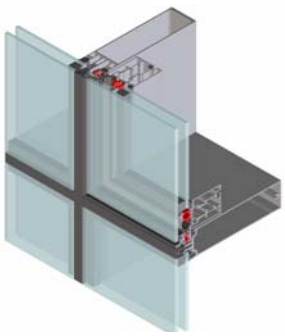
Concealed Vent into Capped CW



2side SGH



2side SGV



4side SG

Fabricators Guide

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Introduction
Comar 6 EFT Concealed Vent

Comar 6 EFT Concealed Vent - Parallel Hinge System is a window fitted with scissor action friction hinges that allows the window to be pushed out horizontally and is available in single or double glazed units.

Specification Summary

Glazing
The system is glazed from the outside, structurally bonded to the moving frame (window vent)
Glass should conform to the requirements of BS 6262 for thickness and type, in terms of wind resistance, safety and security.

Drainage
The system is drained and achieved by meeting the requirements of "ventilated and drained glazing system" as specified in BS 6262

Thermal Insulation
Classification in accordance with DIN 4108 or EN ISO 10077 - 1

Thermally Concealed Vent:
The thermal transmittance (Uf) W/m2 K, is dependant on the insulator strip, calculated as per EN ISO 10077 - 1.
Comparable with class 1.0 or 2.1 DIN 4108 - 4 Table 3

Sound Insulation
Depending largely upon the glass specification, generally the curtain wall framing reduces the figure by 2dB (A).

Materials
The system is constructed from extruded aluminium profiles, using alloy 6063 complying to the requirements of BS EN 755 & BS EN 12020
The themal barrier system is achieved by means of PVC/PP extrusion. with the requirements of BS 3734.

Construction
Any instructions regarding the manuufacture and installation of the system must be strictly adhered to.

Weathering
Glazing vision strips are made of EPDM conforming to BS 4255 Part 1

Performance / exposure category
The system will achieve the following criteria when manufactured, installed and glazed to EFT recommended procedures.

Classification

Air permeability:	BS EN 12207 - Class 4
Water tightness:	BS EN 12208 - Class E 750
Wind resistance:	BS EN 13116 - 2400 Pa design - 3600 Pa safety

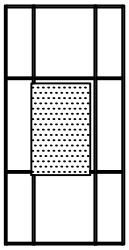
2400Pa (Pascal's) depends upon correct mullion and transom selection to suit span and spacing on a project-by-project basis.

Size limitations
The size limitations of the system depends mainly on the hardware used. Please refer to Comar's Technical Office for advise.

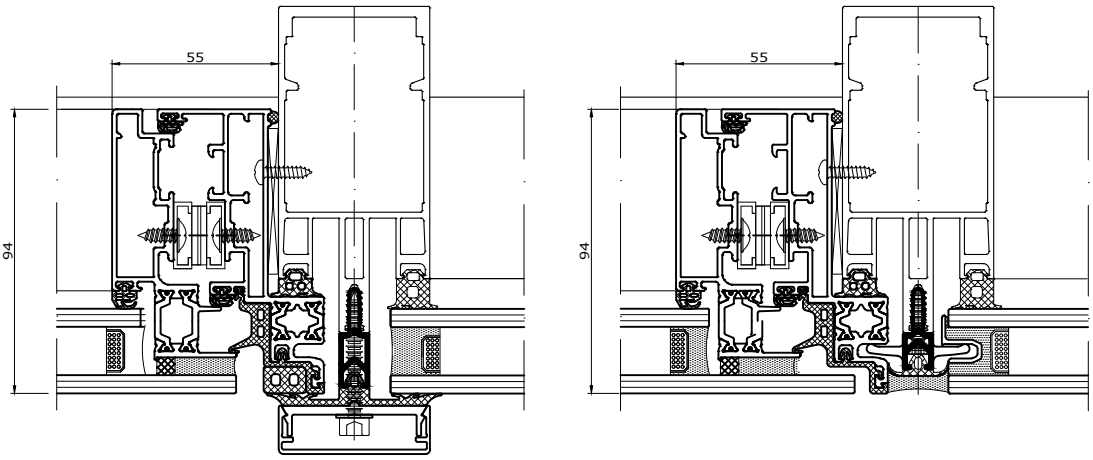
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Parallel Hinge System Overview



9.00



Notes:

1. For manual operation up to 1500mm wide 2 handles central at the sides. Can also be mechanically or electrically operated.

2. For vents 1500mm to 2000mm wide electric operation should be used.

2. Vents either side of a facetted mullion may be possible depending on the angle, contact Comar's technical department for advice.

3. A minimum of a 60mm transom (1150) must be used above and below where a concealed vent is to be positioned.

4. For width / height / weight combination options, please contact Comar's technical department.

Integrates into:
Fully capped Curtain Walling
2 sided with vertical capping
(2sided SGV)

Integrates into:
2 sided with horizontal capping
(2sided SGH)
4 sided structural glazing
(4sided SG)

Limitations

	Max. width	Max. height	Max. weight
Parallel Hinge System	2000mm depends on height	2000mm depends on width	100 / 200kg depends on sizing

Fabricators Guide

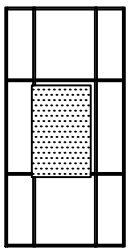
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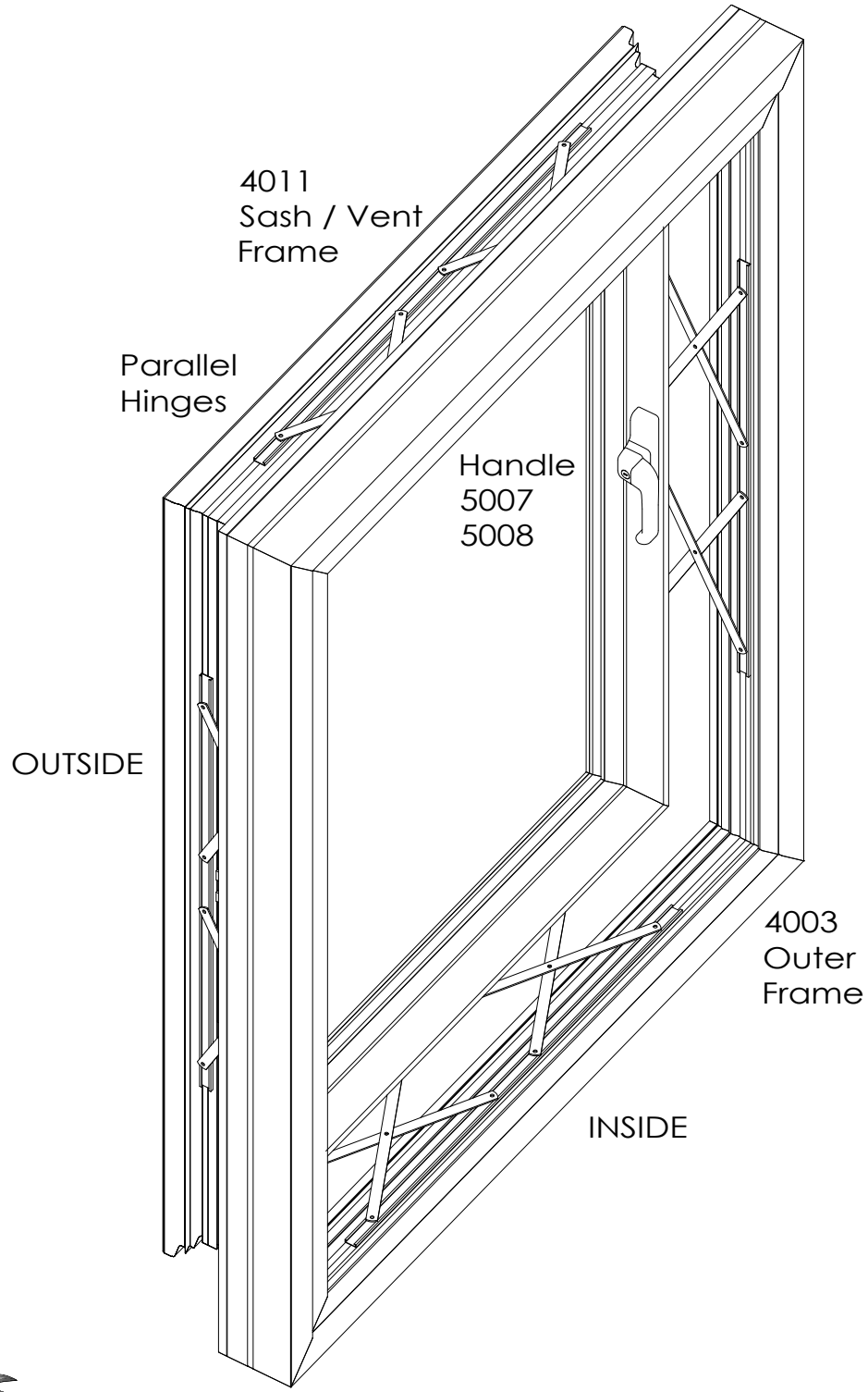
Typical details 9

Comar 6EFT



Parallel Hinge System
Typical window

9.01



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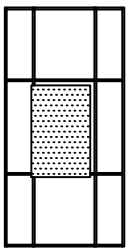
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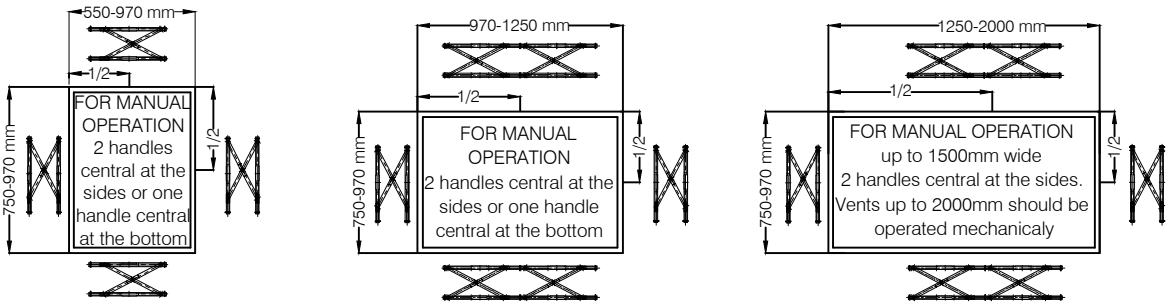
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Parallel Hinge System
Hinges charts



STANDARD PARALLEL

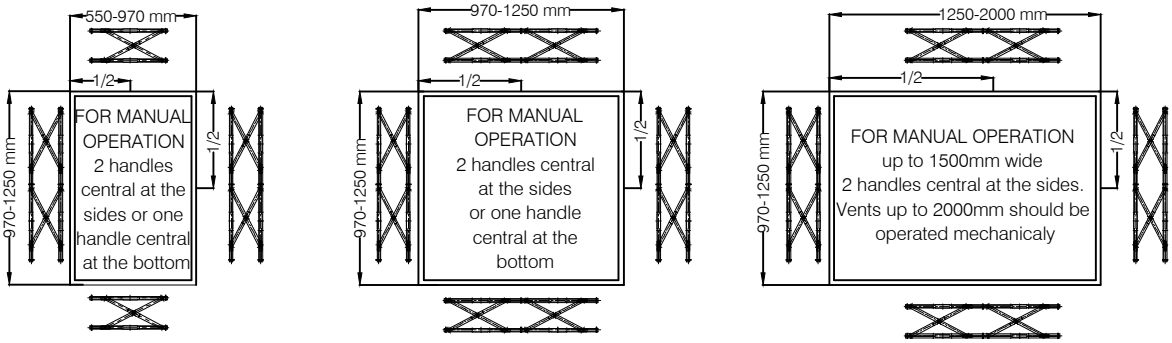
Maximum vent weight for manual operation is 100 kg



9.02

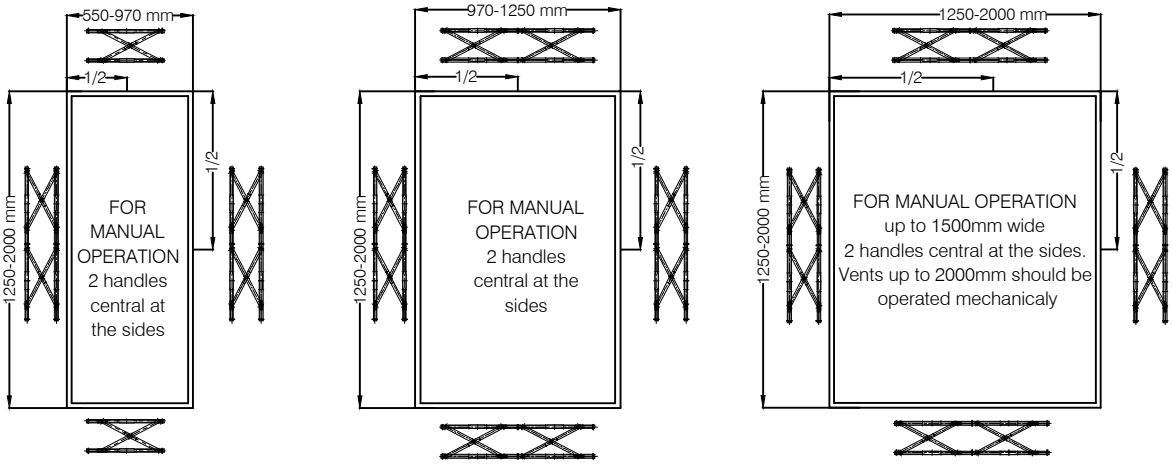
DUAL PARALLEL

Maximum vent weight for manual operation is 200kg



DUAL PARALLEL

Maximum vent weight for manual operation is 200kg



Standard parallel stay 18.5" HN600XSLF



Opening distance 180mm



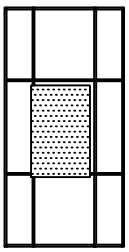
Dual parallel stay 36" HN601XSLF

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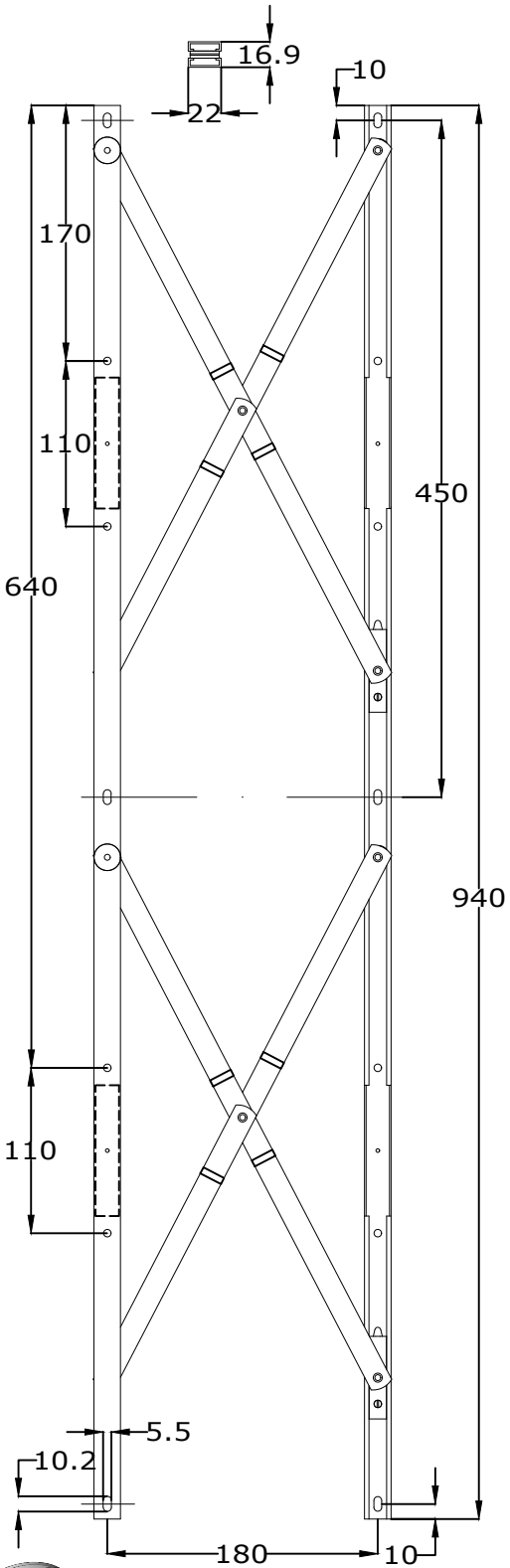
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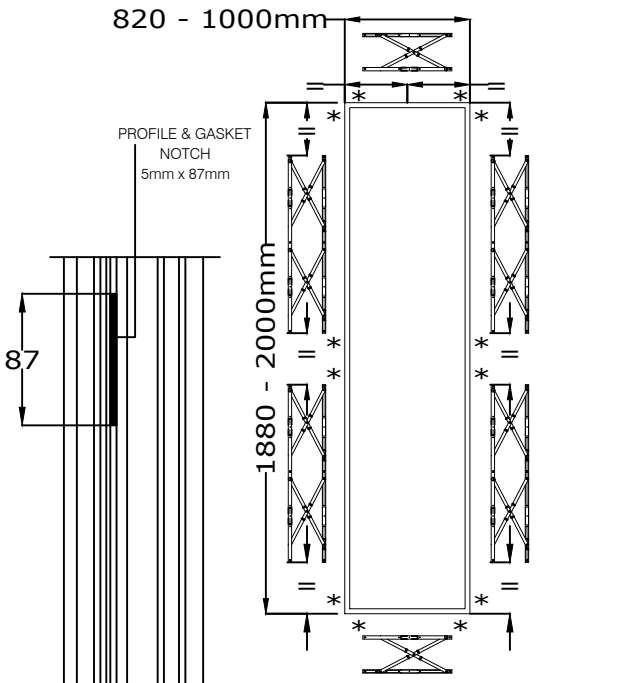
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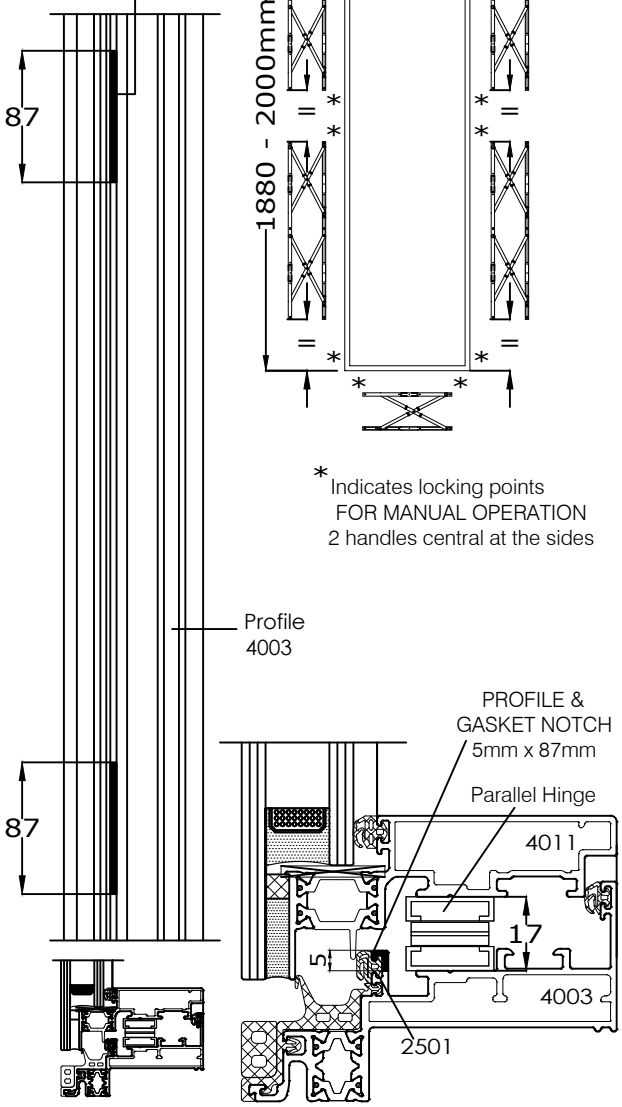


Parallel Hinge System
Dual hinges

Hinges are universal and will open & close for left & right hand sides also, top & bottom frame / sash fitting.



* Indicates locking points
FOR MANUAL OPERATION
2 handles central at the sides



Handing is achieved by opening the hinge either to the left or to the right as required.

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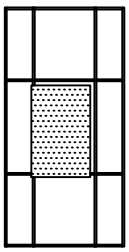
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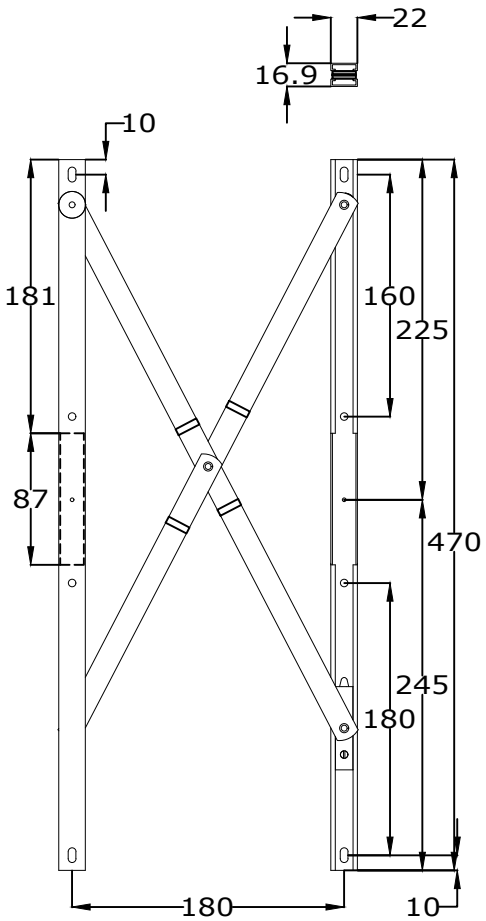
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Parallel Hinge System
Single hinges

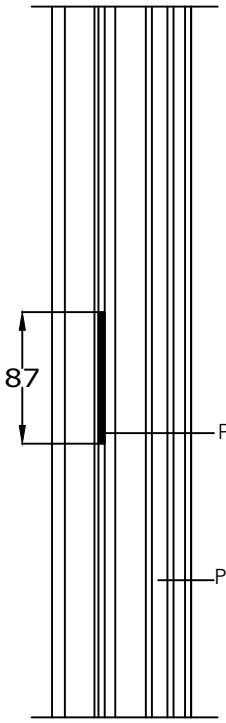
NOTE:
Hinges are universal and will open & close for left & right hand sides also, top & bottom frame / sash fitting.

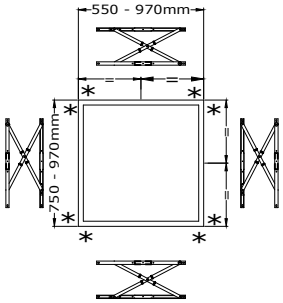


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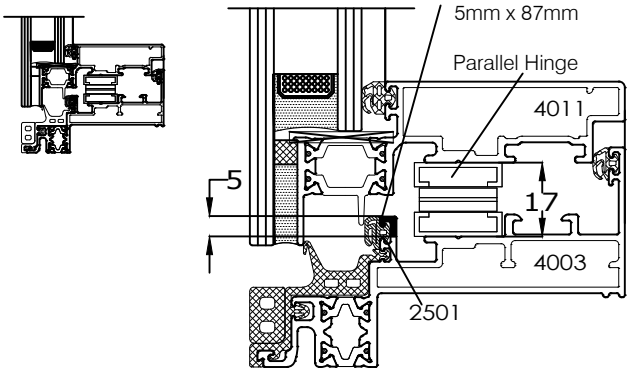


Single hinge





* Indicates locking points



Hinges are universal and will open and operate for both left and right sides of the frame and sash and for the top and bottom.

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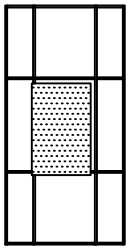
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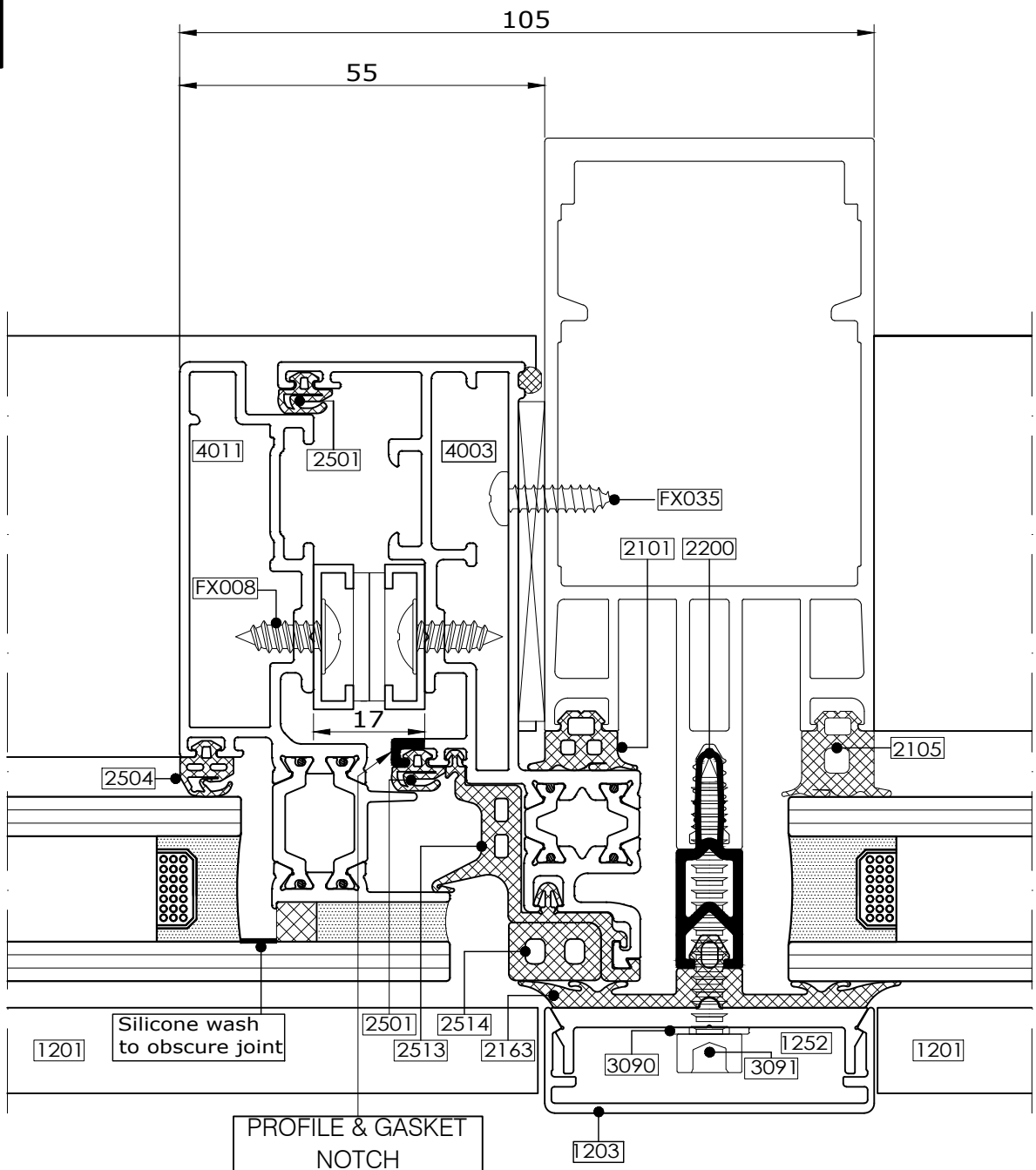
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Parallel Hinge System
Mullion section - Capped



9.05



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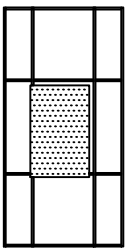
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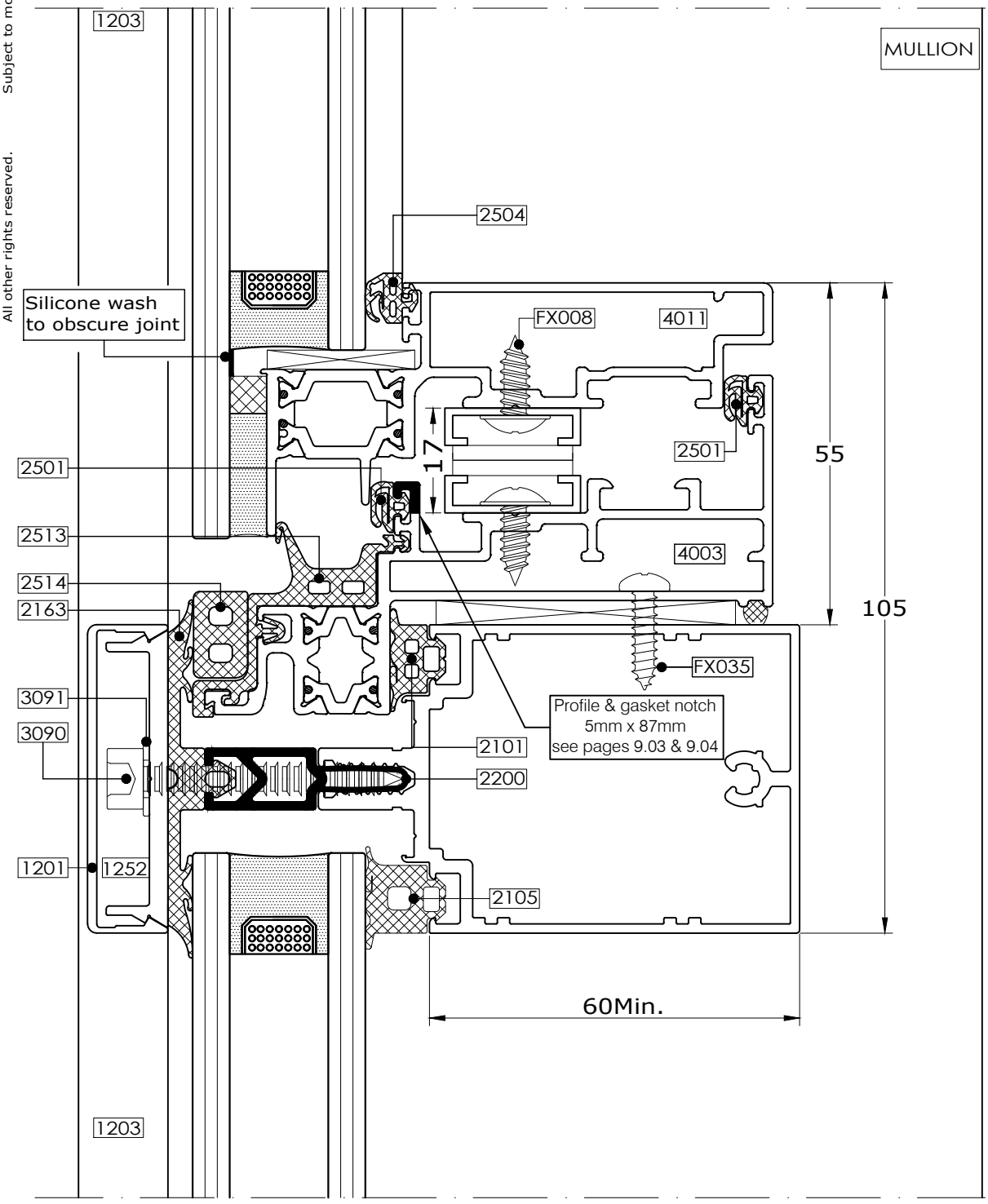
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Parallel Hinge System
Transom section - Capped

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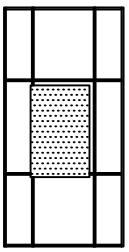
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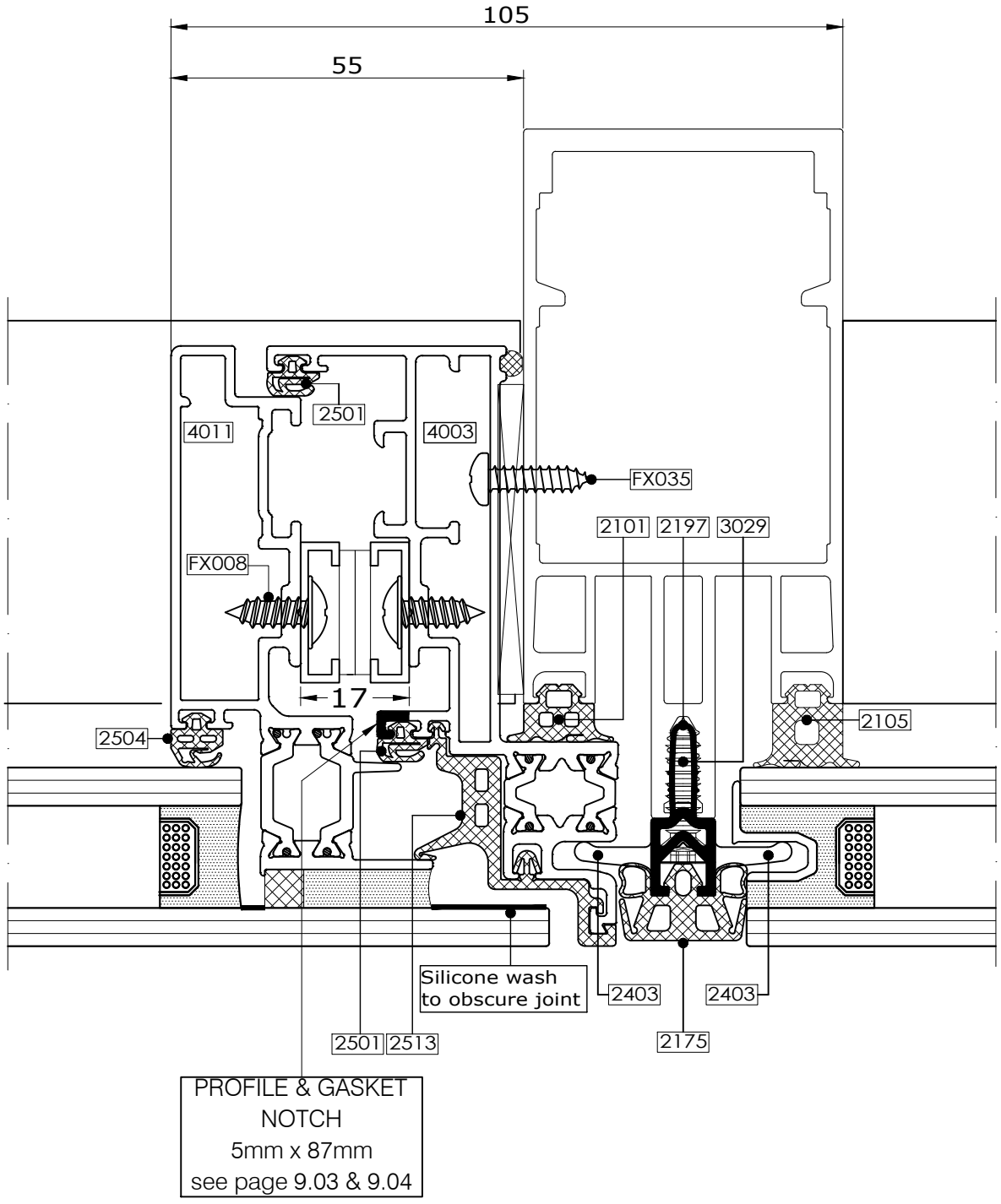
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Parallel Hinge System
Mullion section - SG



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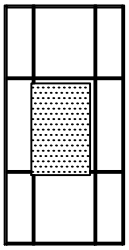
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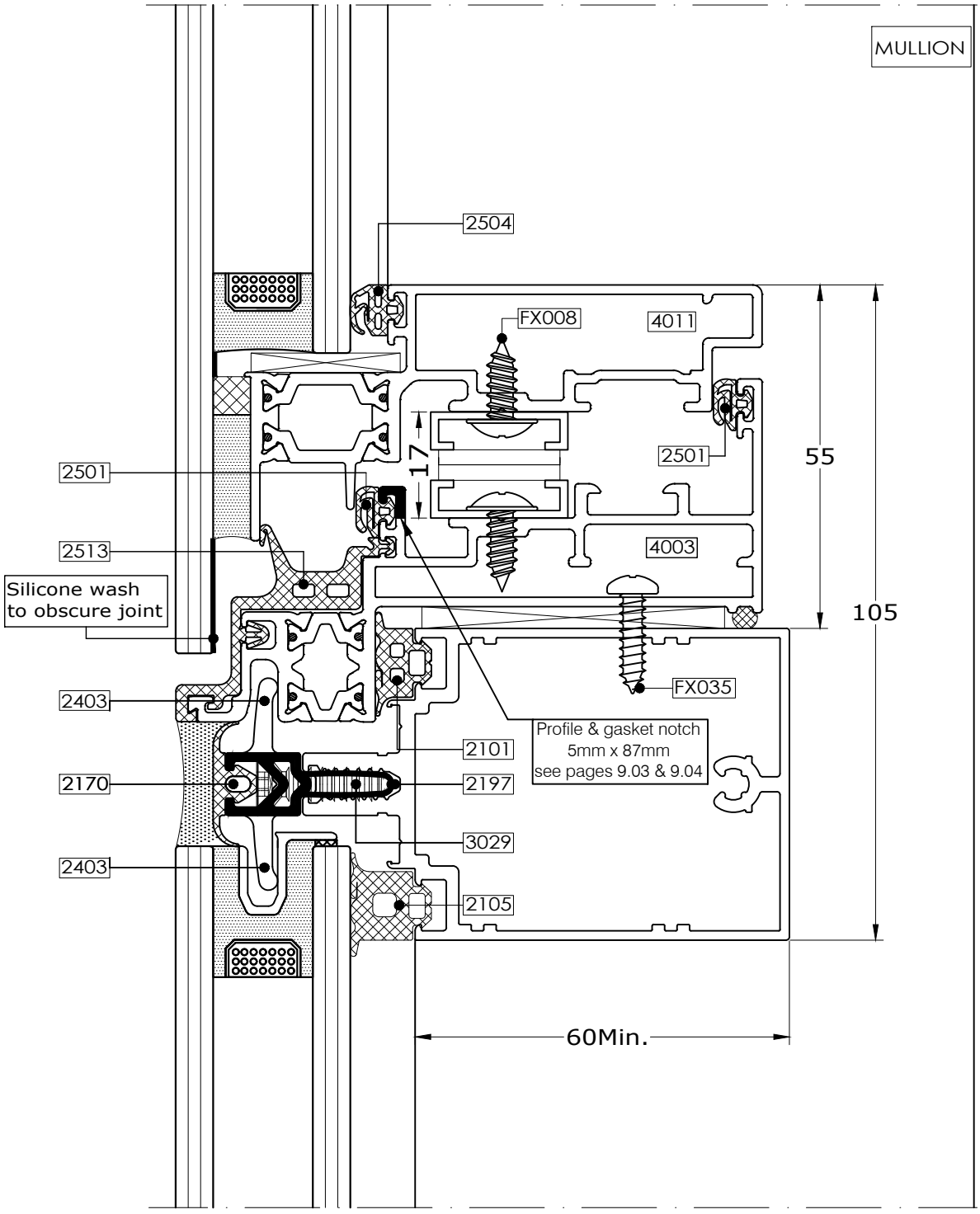
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Parallel Hinge System
Transom hinge - SG





9.08

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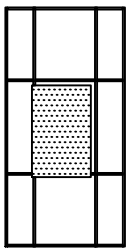
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Fabrication 9

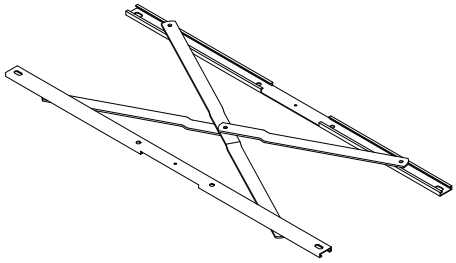
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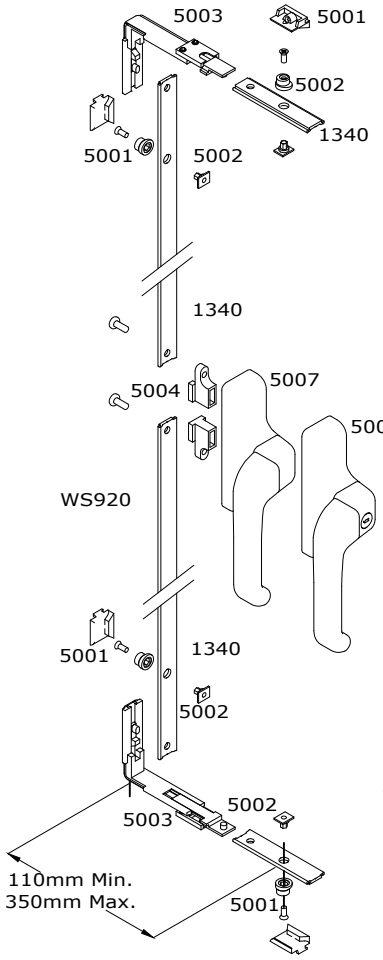


Parallel Hinge System
Twin single hinge locking

9.09

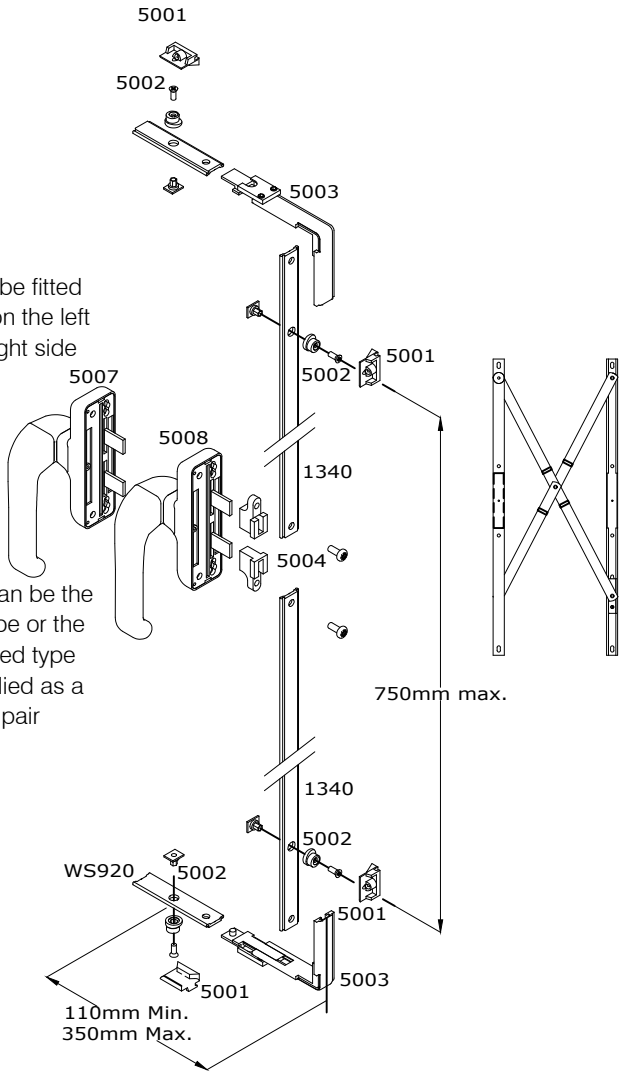
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Handles can be fitted with the lock on the left side or the right side

The handles can be the key locked type or the non-key locked type and are supplied as a matched pair



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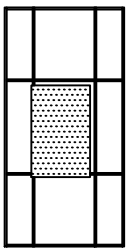
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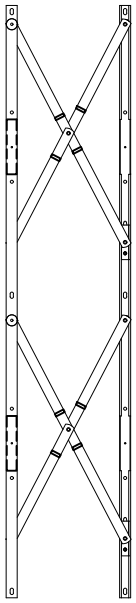
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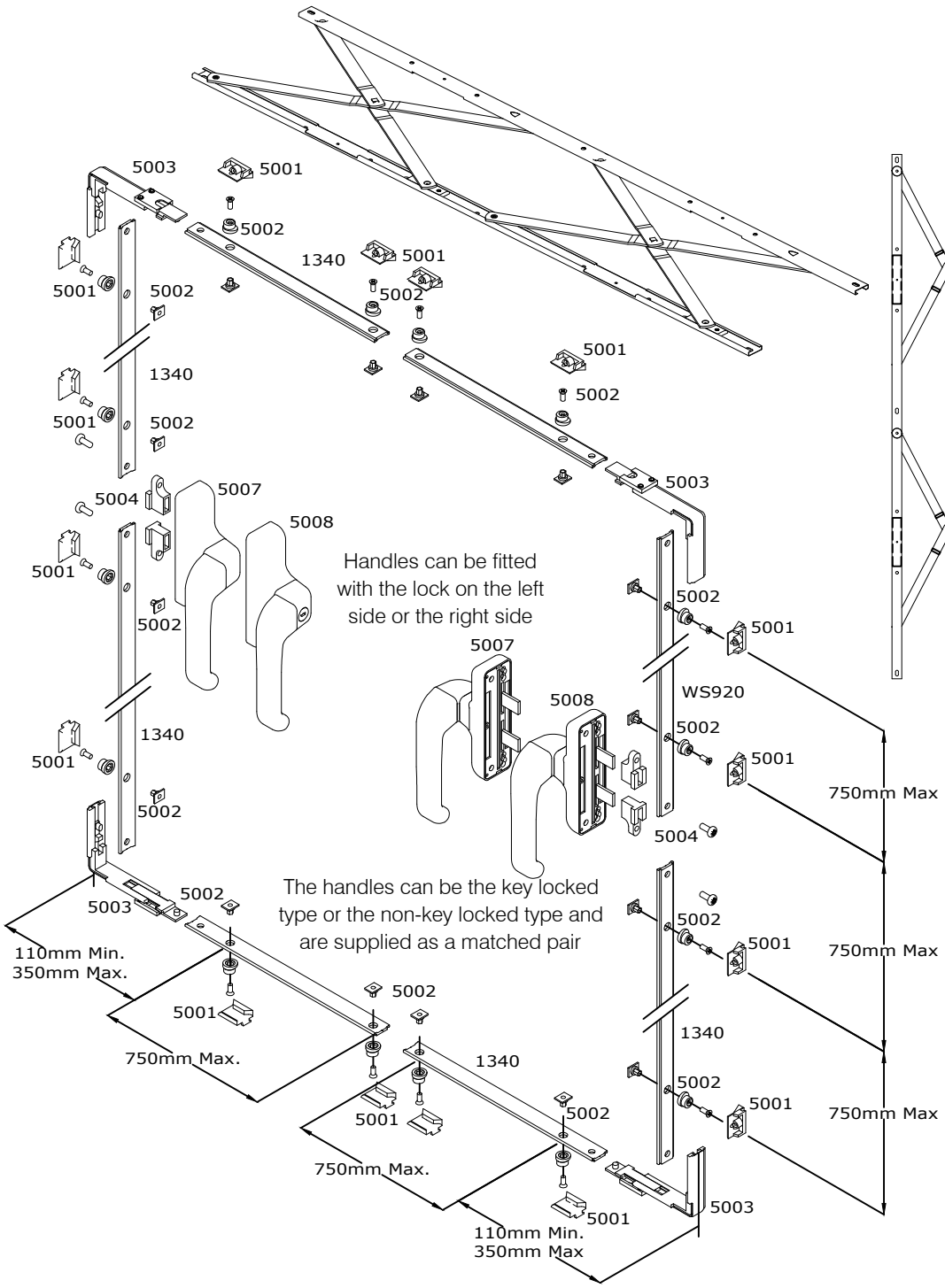
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Parallel Hinge System
Twin dual hinge locking





9.10



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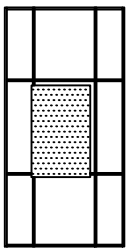
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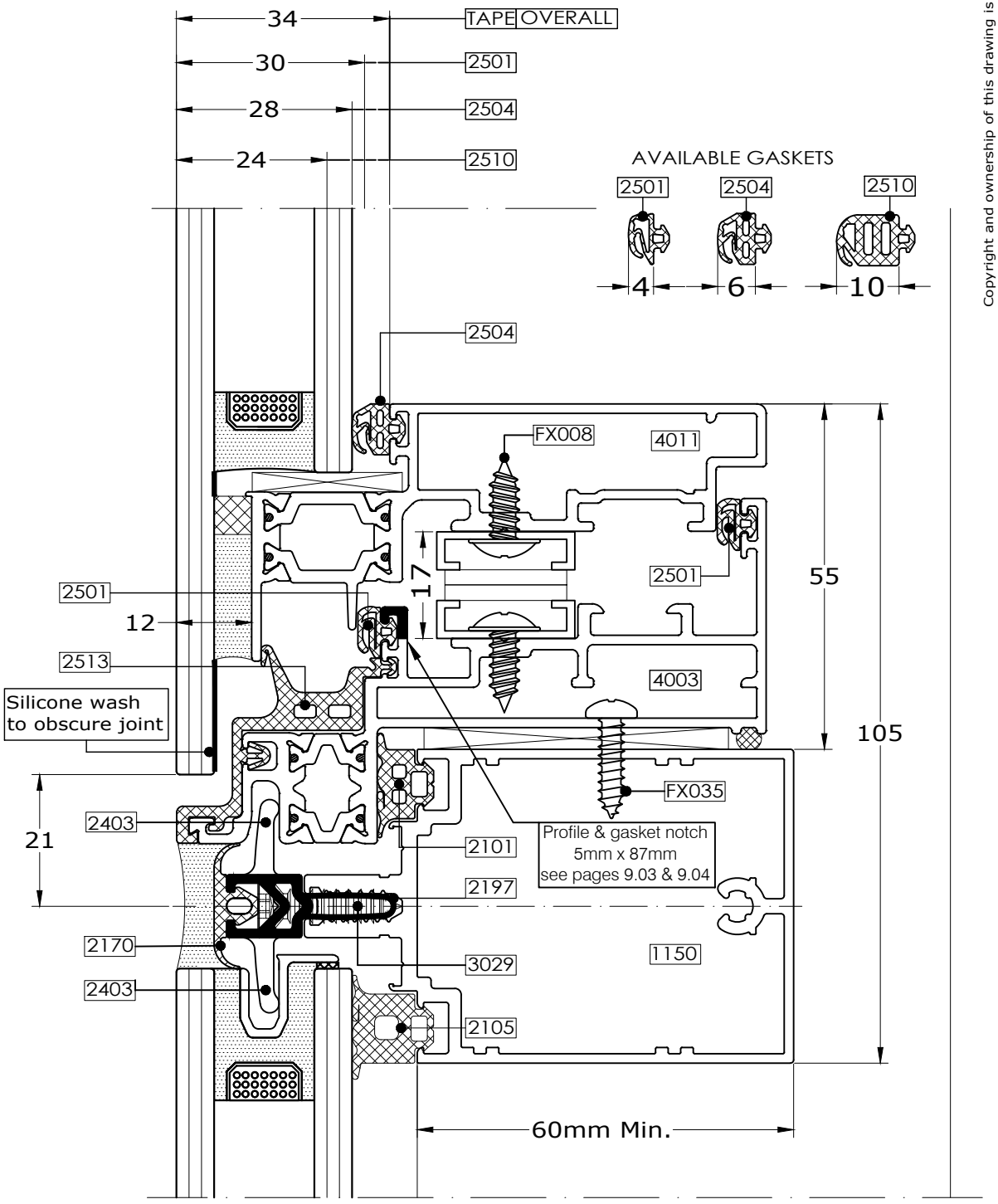
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Parallel Hinge System
Glazing Chart - SG



9.11



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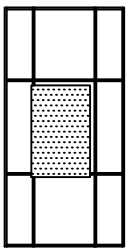
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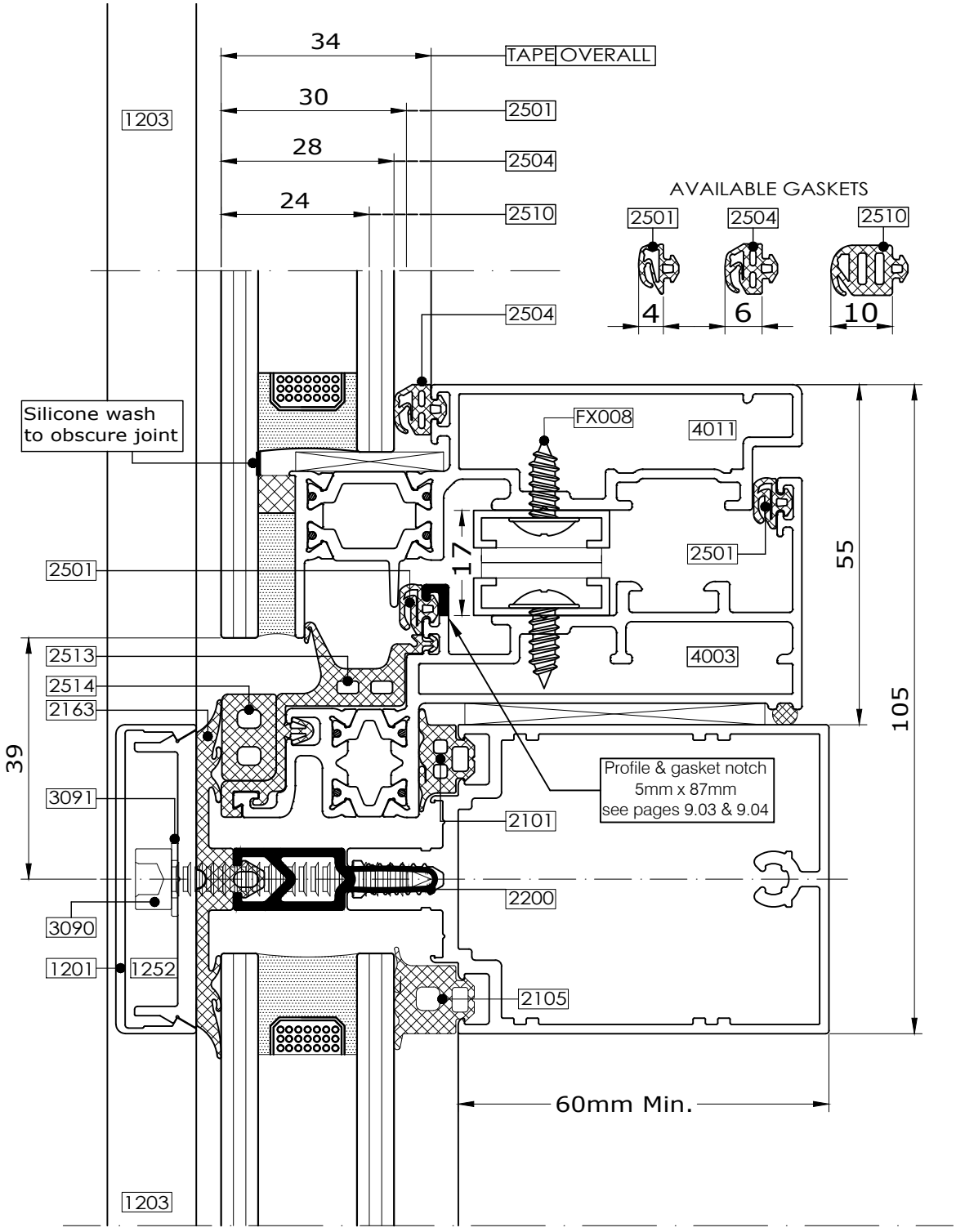
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Parallel Hinge System
Glazing chart - Capped



9.12



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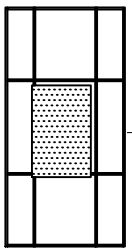
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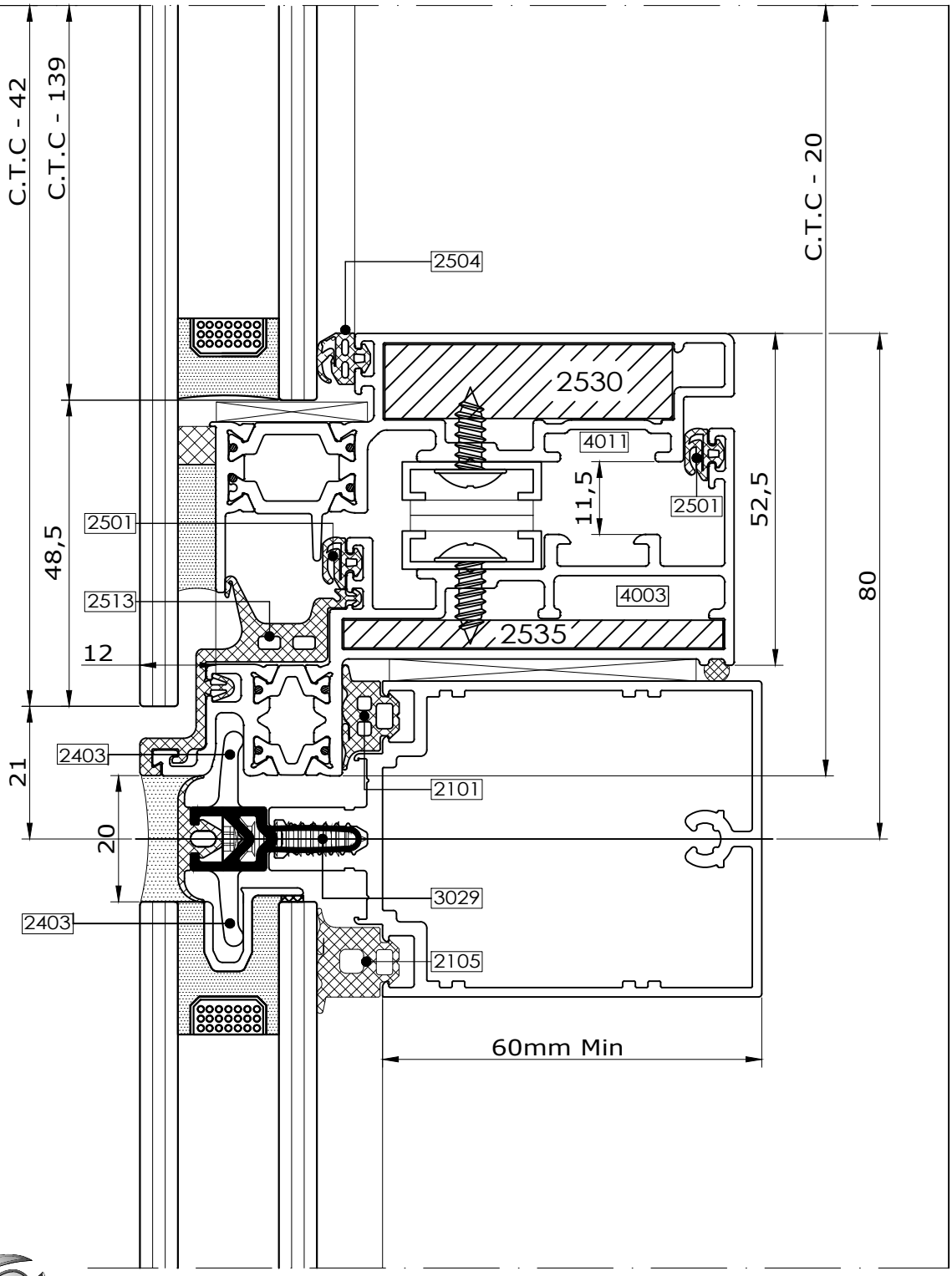
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Parallel Hinge System
Cutting sizes
4003 / 4011 - SG



9.13



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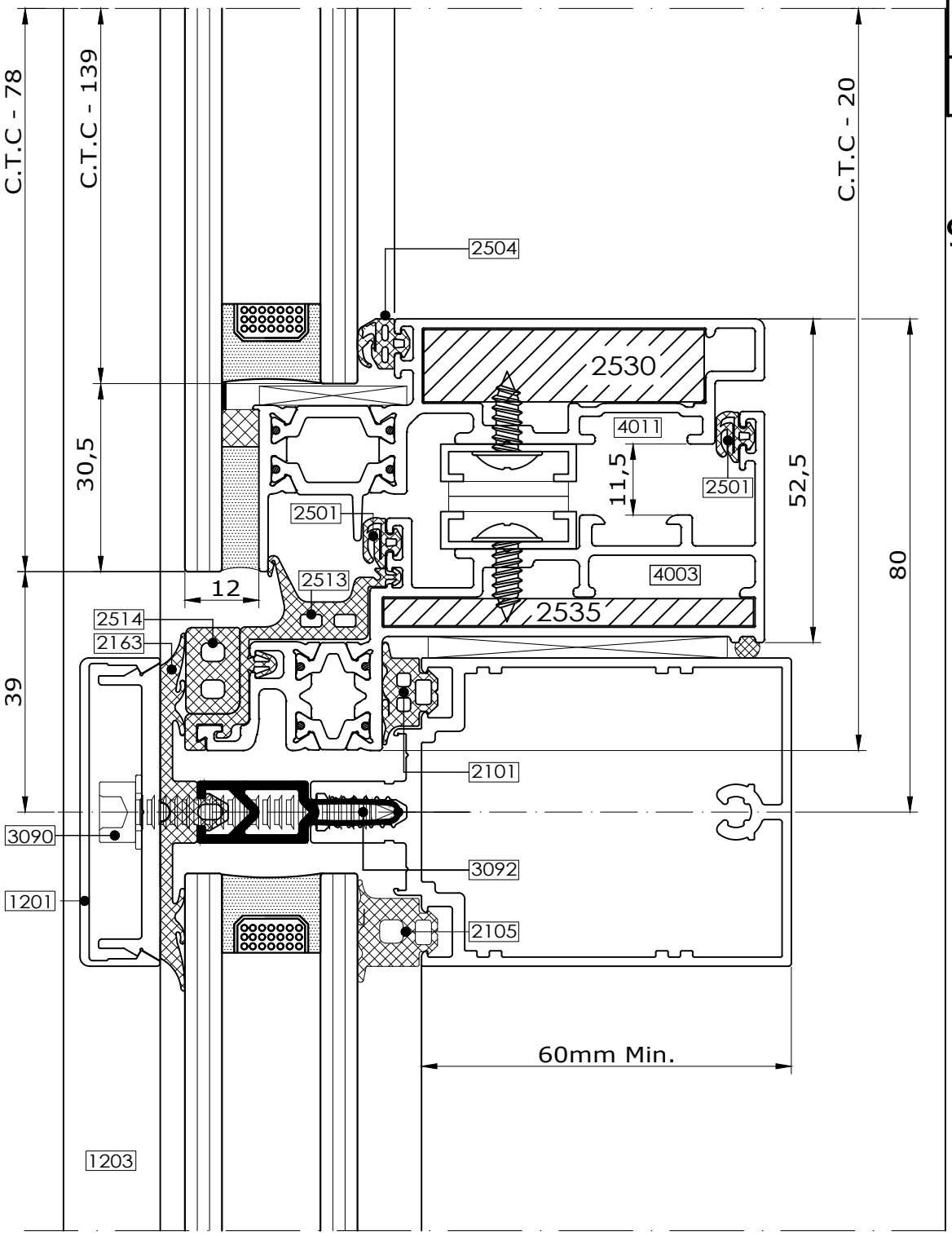
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Parallel Hinge System
Cutting sizes - 4003 / 4011 - Capped



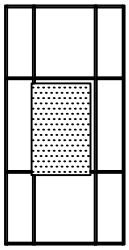
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Parallel Hinge System
Drainage & Ventilation



9.15

Drainage: Option 1

Drainage through frame chamber

1 - Drill 6mm hole
2 - Mill slot 5x15mm, cut gasket 15mm
3 - Mill upstands away 10mm
4 - Drill 8mm hole
5 - Drill 8mm hole

Ventilation
(pressure equalization)

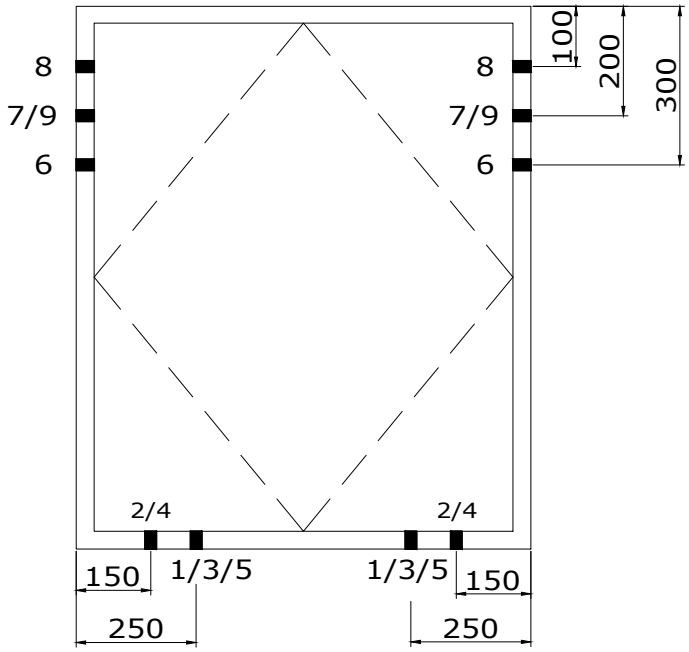
6 - Cut gasket 2513- 20mm
7 - Cut gasket 2501- 20mm
8 - Drill 5mm hole
9 - Drill 5mm hole

Drainage: Option 2

Drainage flash at window sill

1 - Mill slot 5x15mm, cut gasket 2501-15mm
2 - Cut gasket 2513- 15mm
3 - Mill upstands away 10mm
4 - Drill 8mm hole
5 - Drill 8mm hole

Note:
Drainage and ventilation preparation is the same for capped and non capped concealed vent



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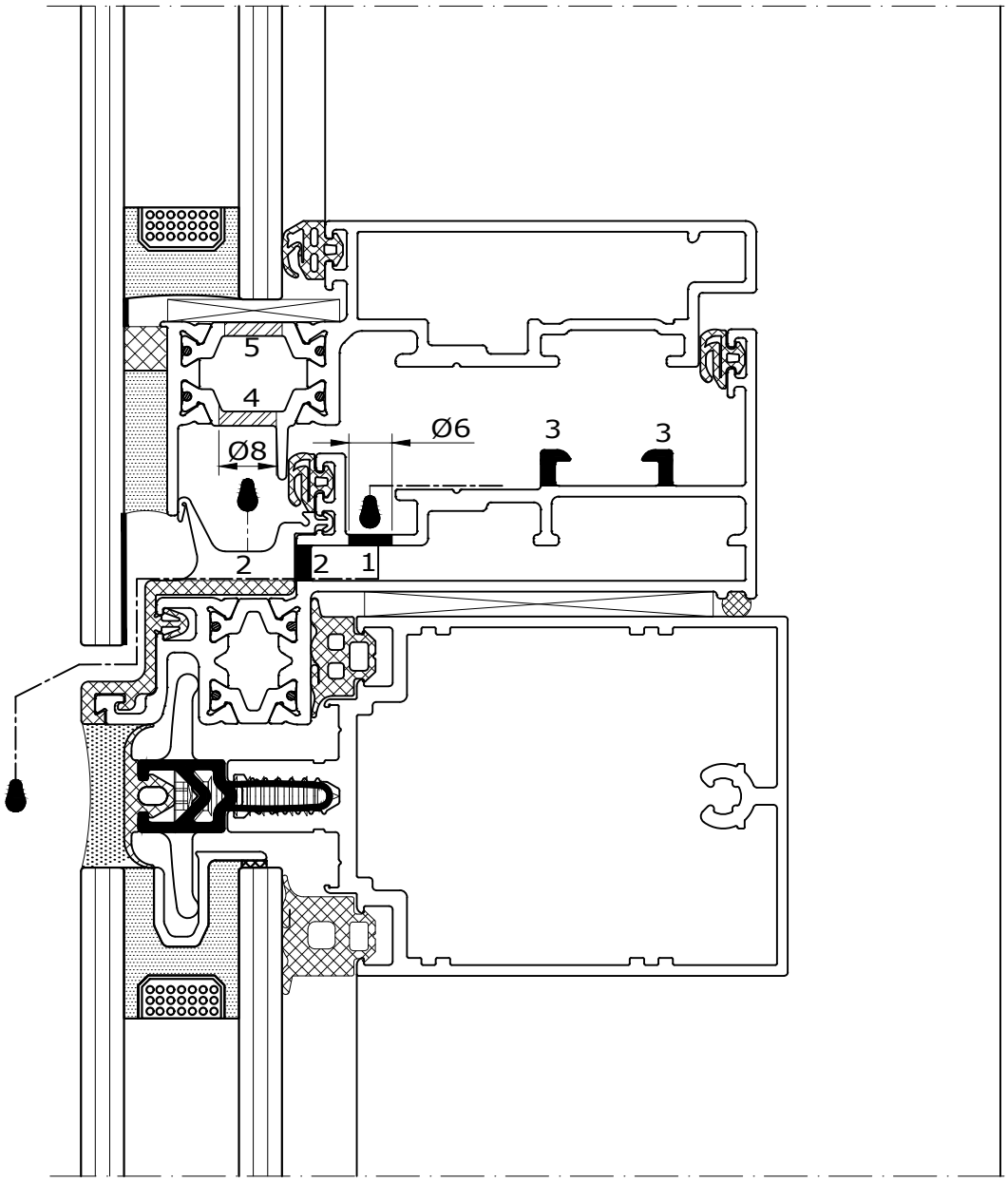
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Parallel Hinge System
Drainage Option 1



9.16

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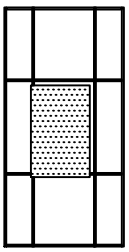
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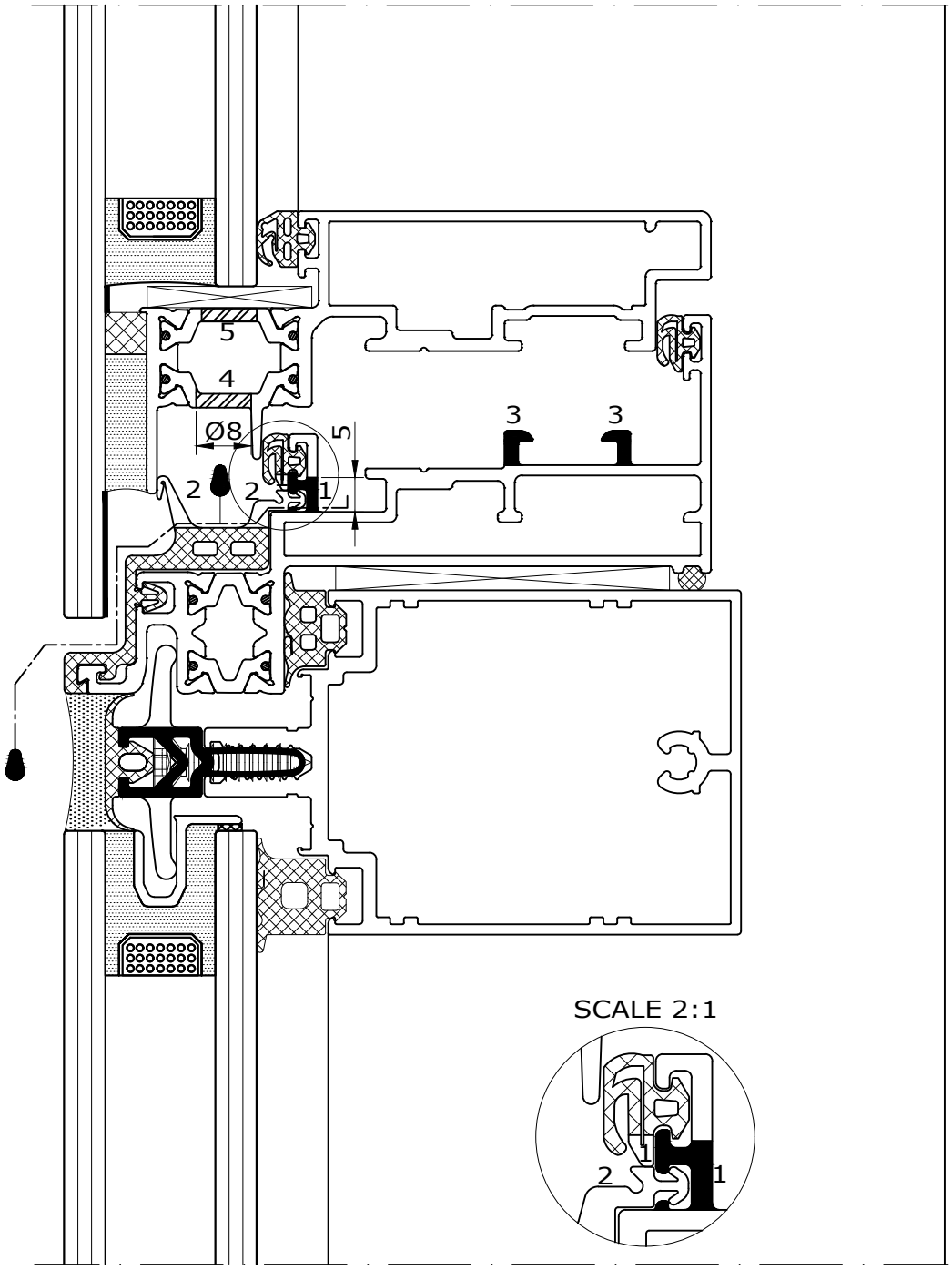
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Parallel Hinge System
Drainage Option 2



9.17



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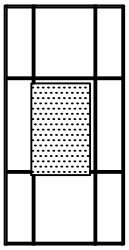
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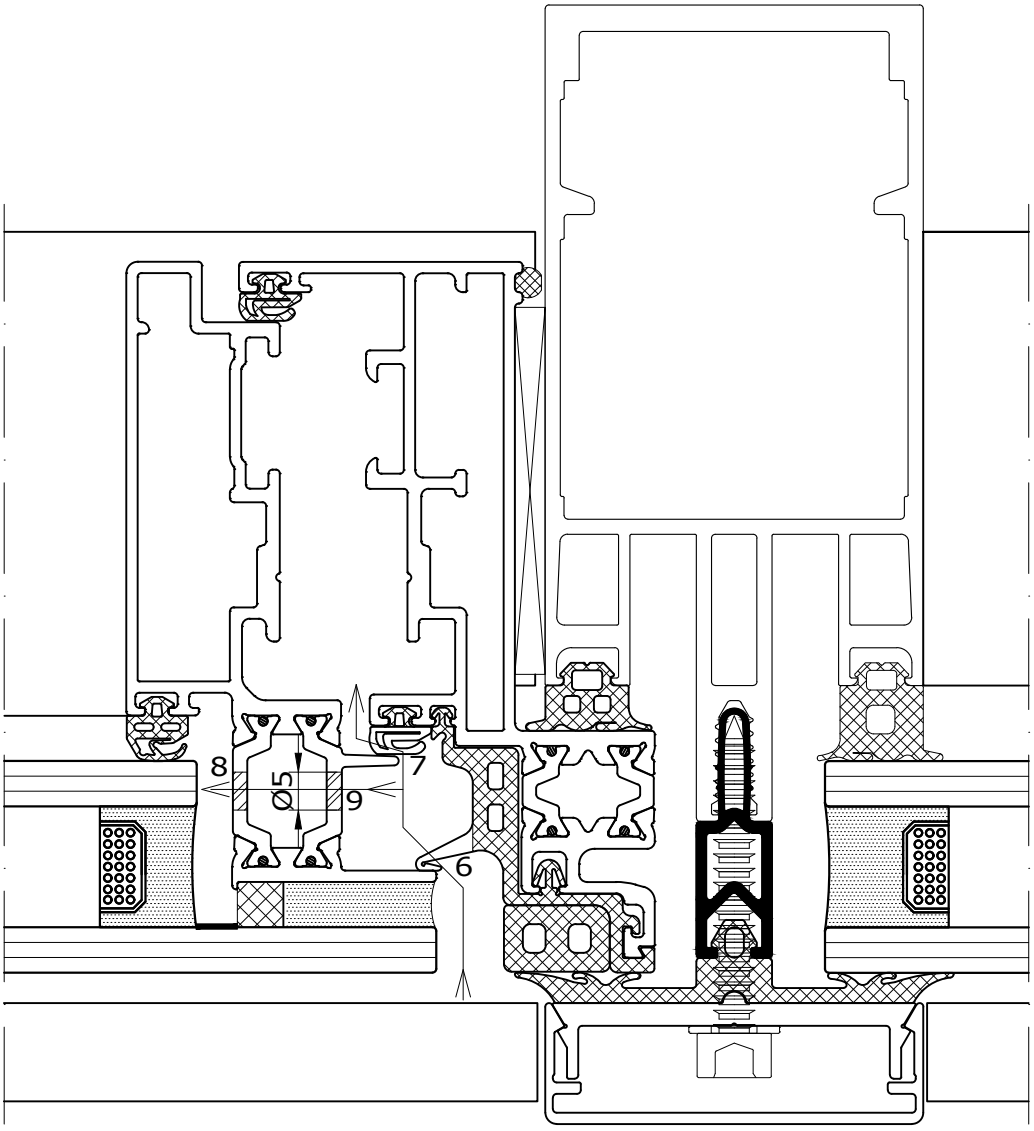
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Parallel Hinge System
Ventilation



9.18



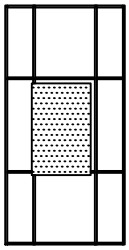
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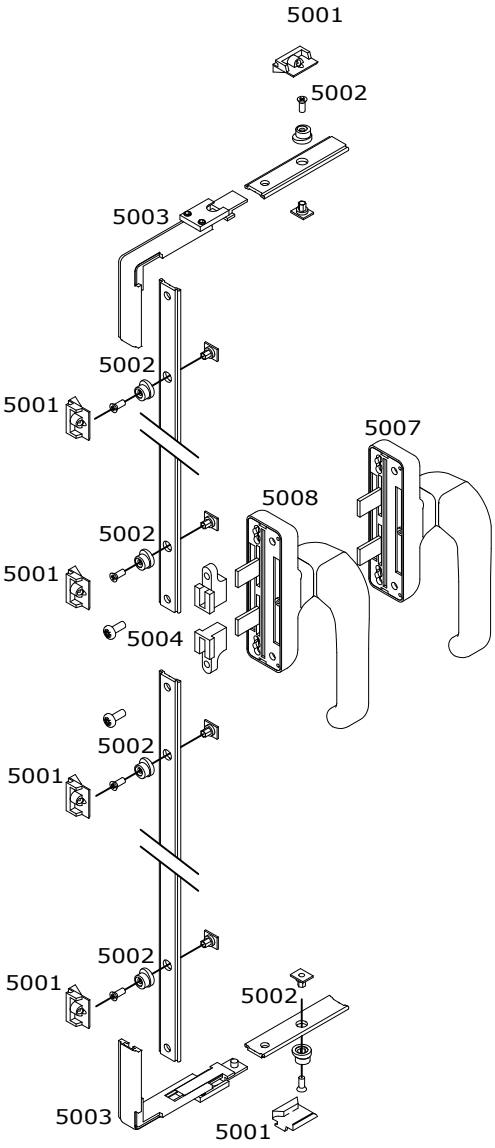
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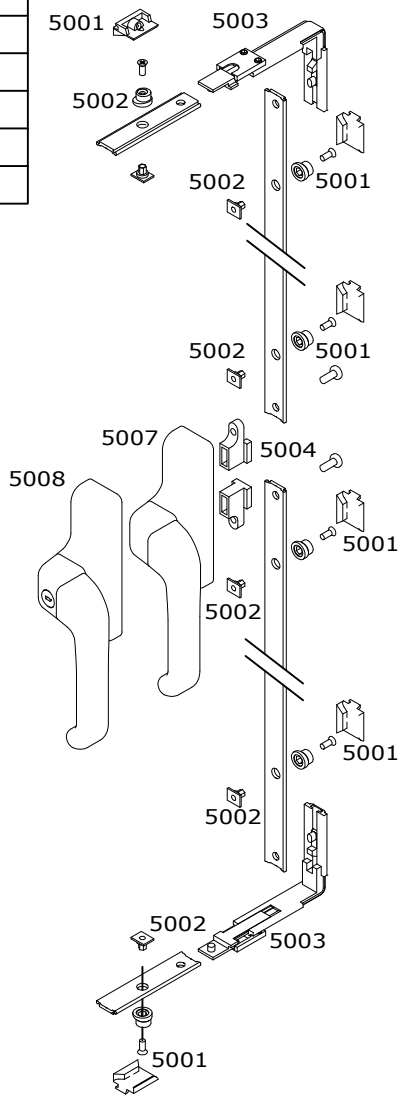
Parallel Hinge System
Hardware Overview



9.19

		Locking	
Part no.	Description	2 points	4 points
1340	Drive rods	see 8.81	see 8.81
5001	Curtain wall striker	2 of	4 of
5002	Adjustable pawl	2 of	4 of
5003	Corner cleat	0 of	2 of
5004	Connection block	1 of	1 of
5007	Handle - non locking	1 of	1 of
5008	Handle - locking	1 of	1 of





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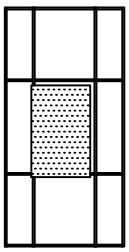
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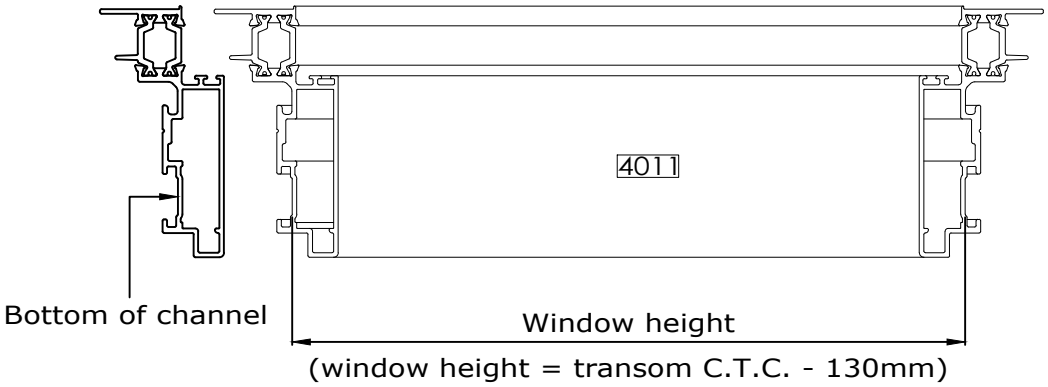
Parallel Hinge System
Drive rod preparation

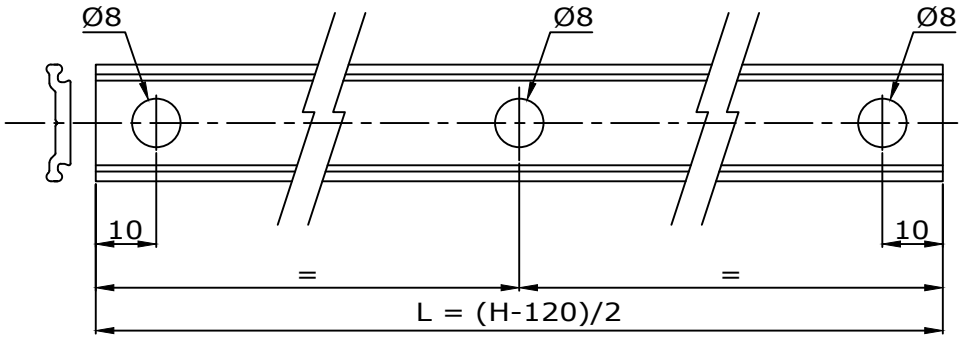


9.20

4 POINTS LOCKING: Rod lengths = window height - 124mm/2
2 POINTS LOCKING: Rod lengths = window height - 79mm/2

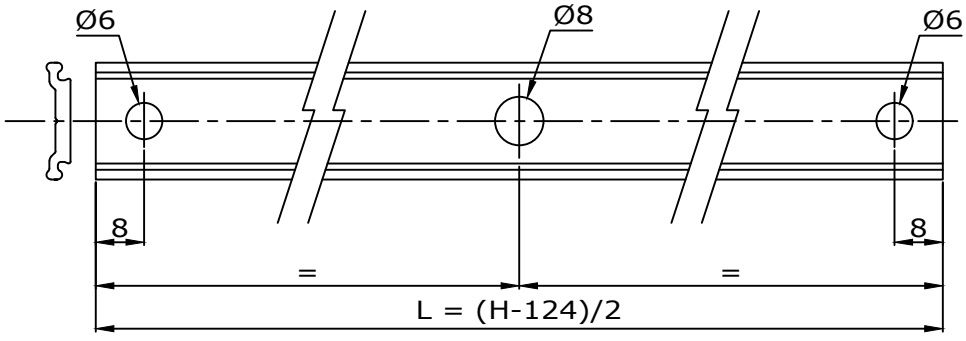
Window width measured along bottom of channel





x2

"OR"



x2

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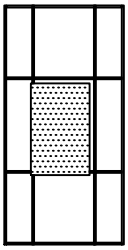
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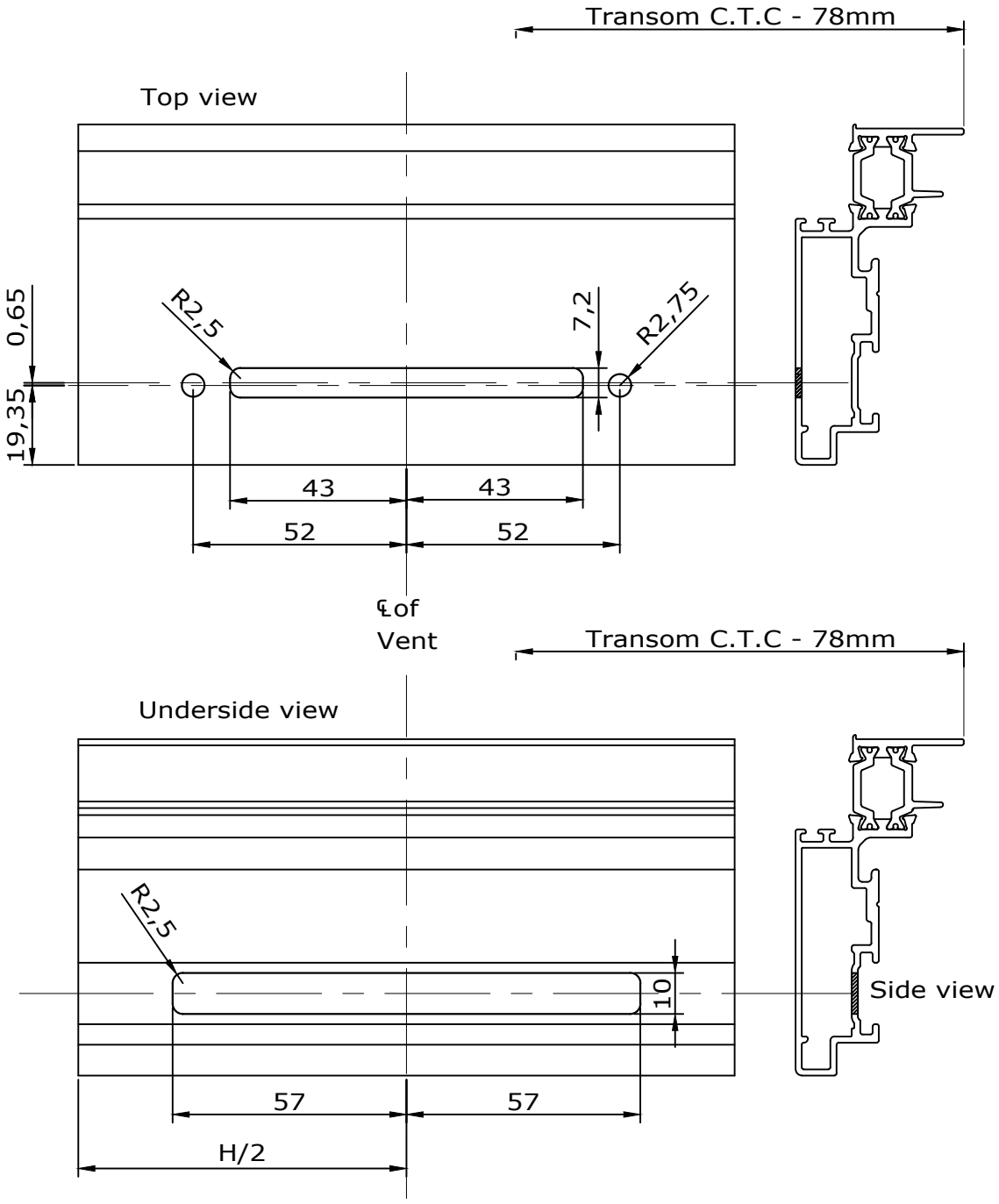
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Parallel Hinge System
Handle preparation



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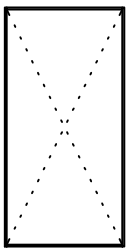
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Future Additions



9.22-9.99

FUTURE ADDITION

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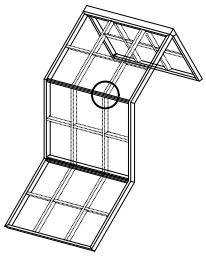
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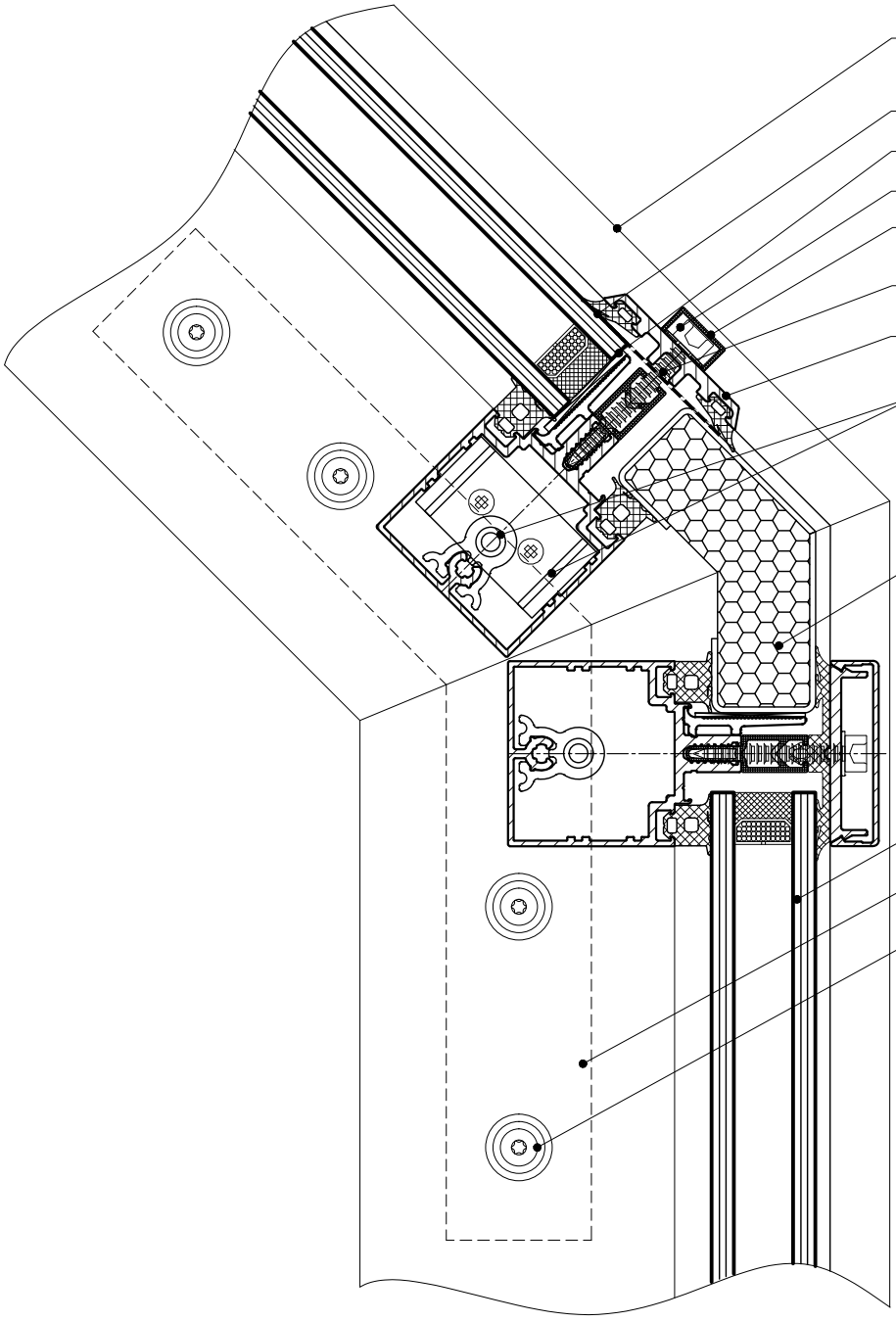
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10 Sloped Roof

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Outer Corner





10.01

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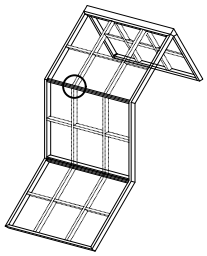
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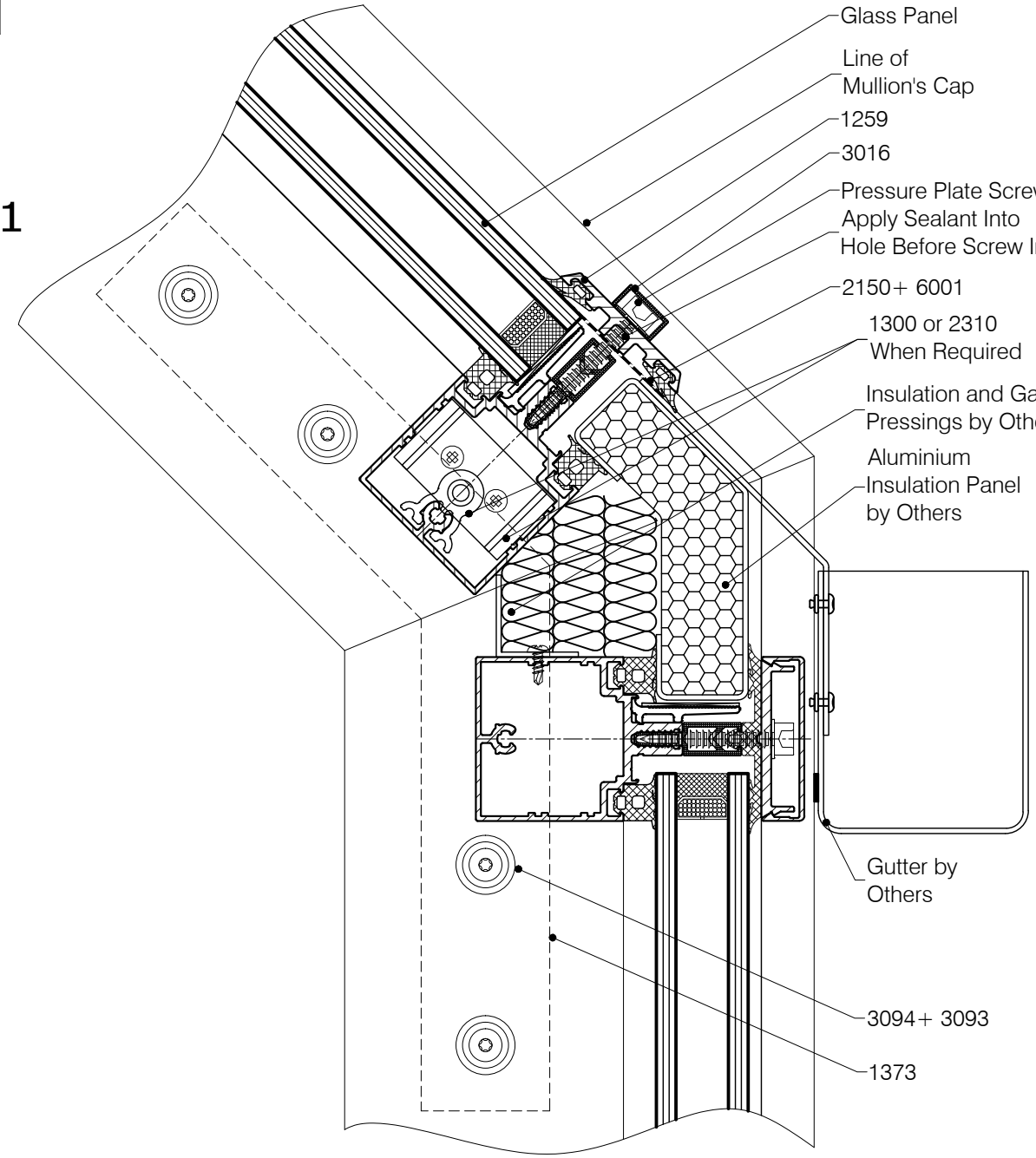
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Outer Corner



10.01



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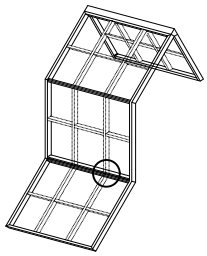
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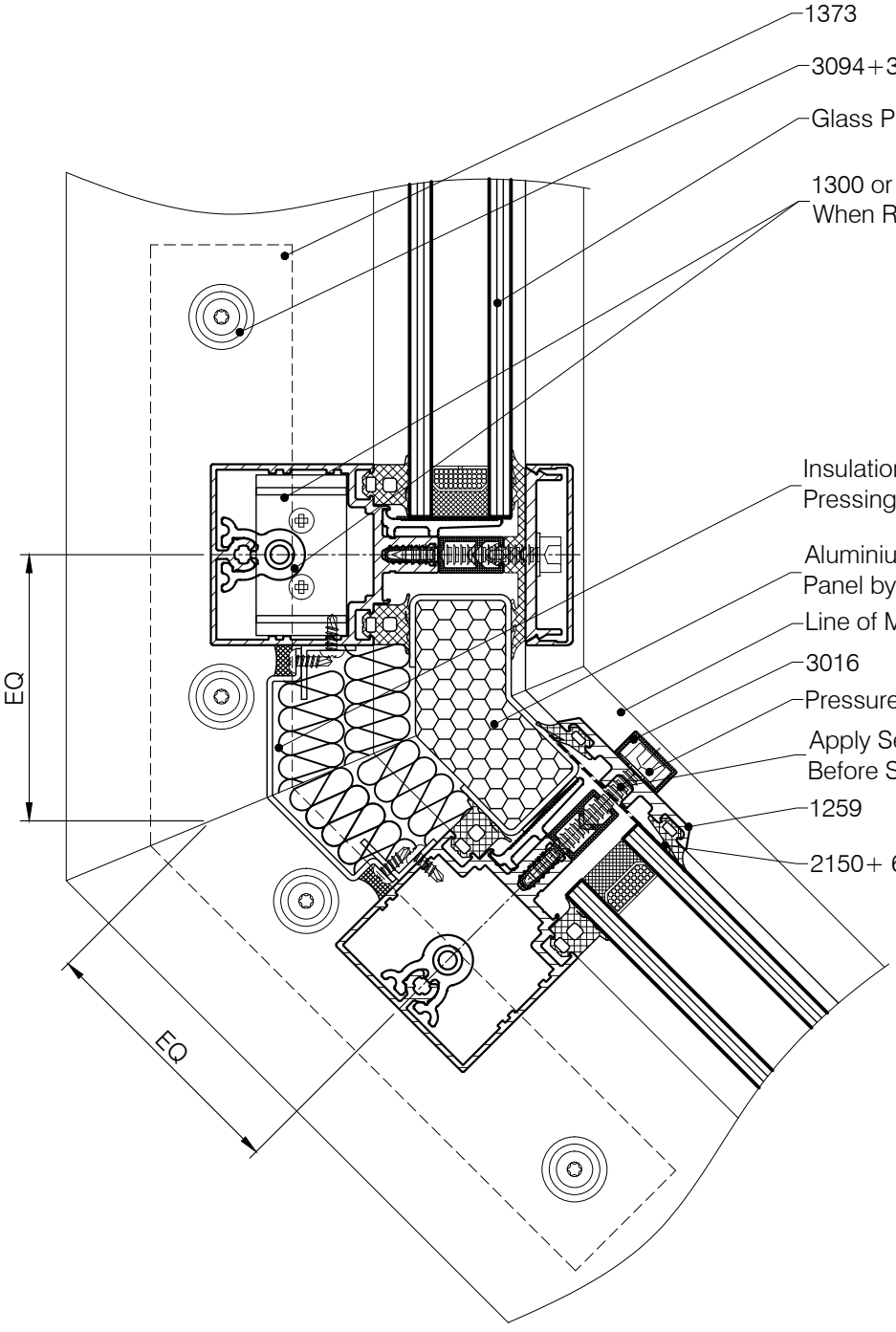
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10 Sloped Roof

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Inner Corner





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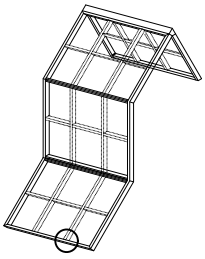
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Sloped Roof

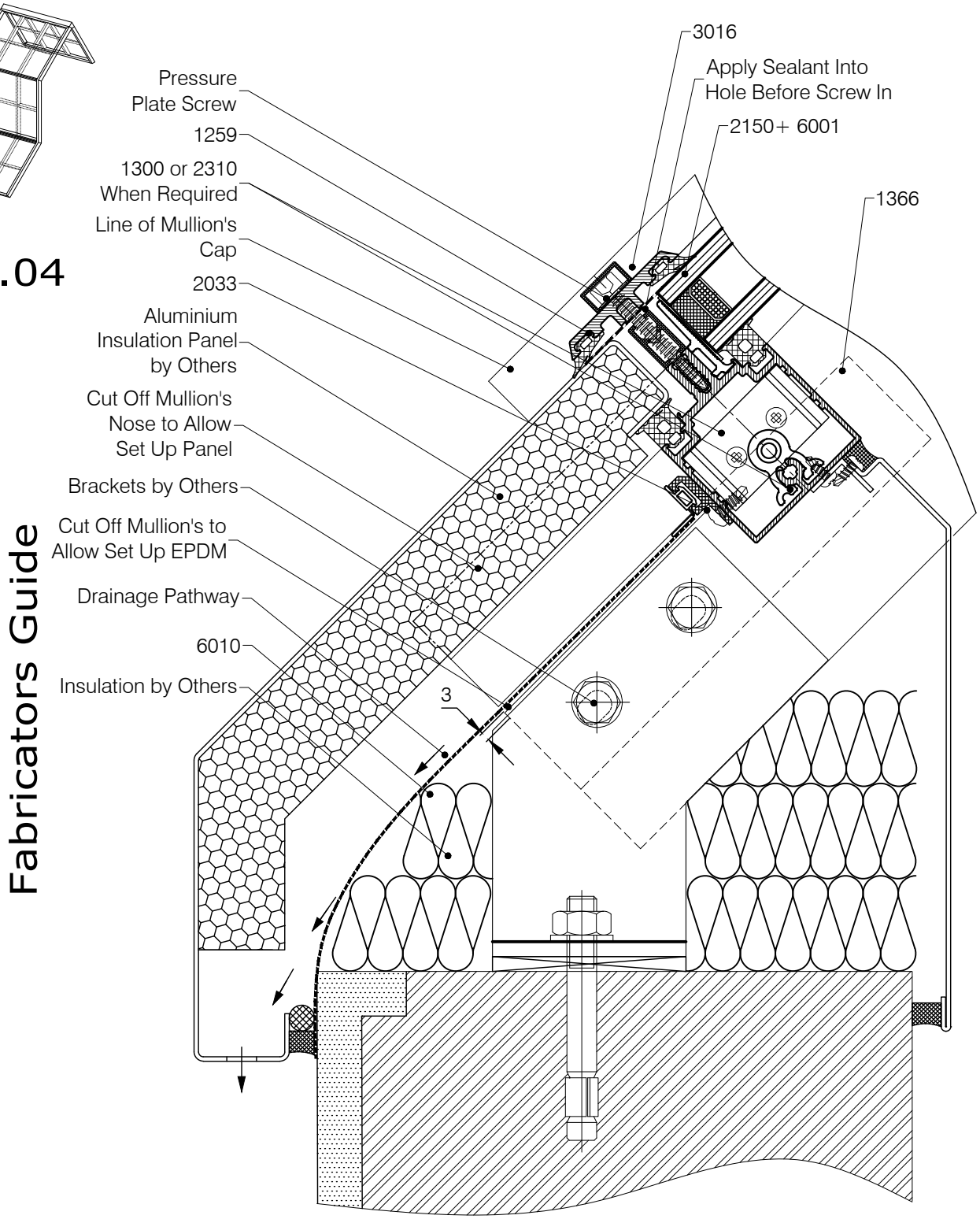
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Comar 6EFT

Base Transom to Structure



10.04



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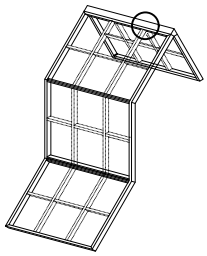
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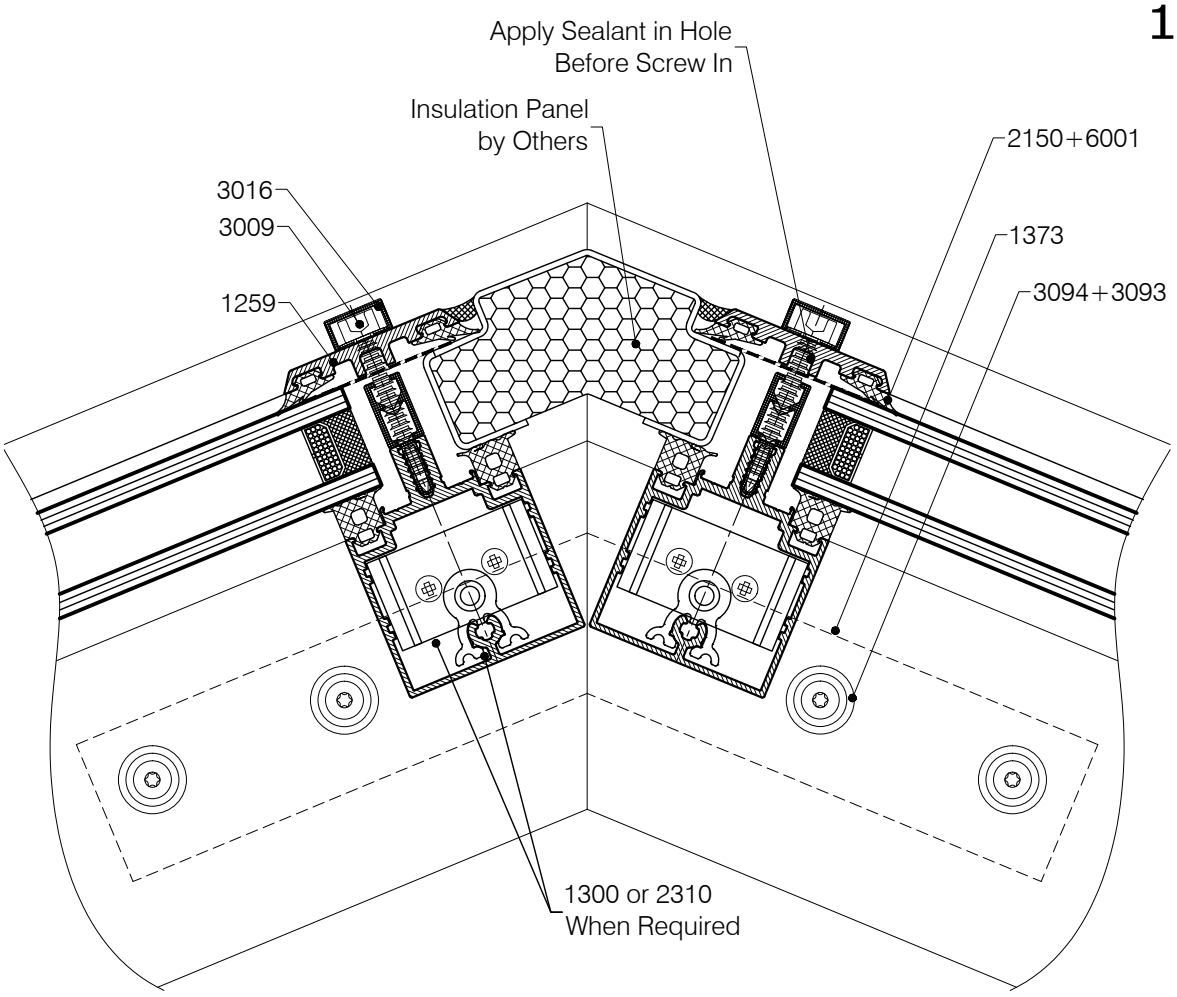
10 Sloped Roof

Comar 6EFT

Roof Apex



10.05



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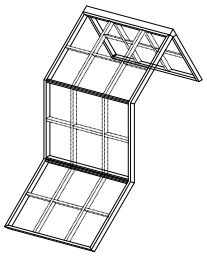
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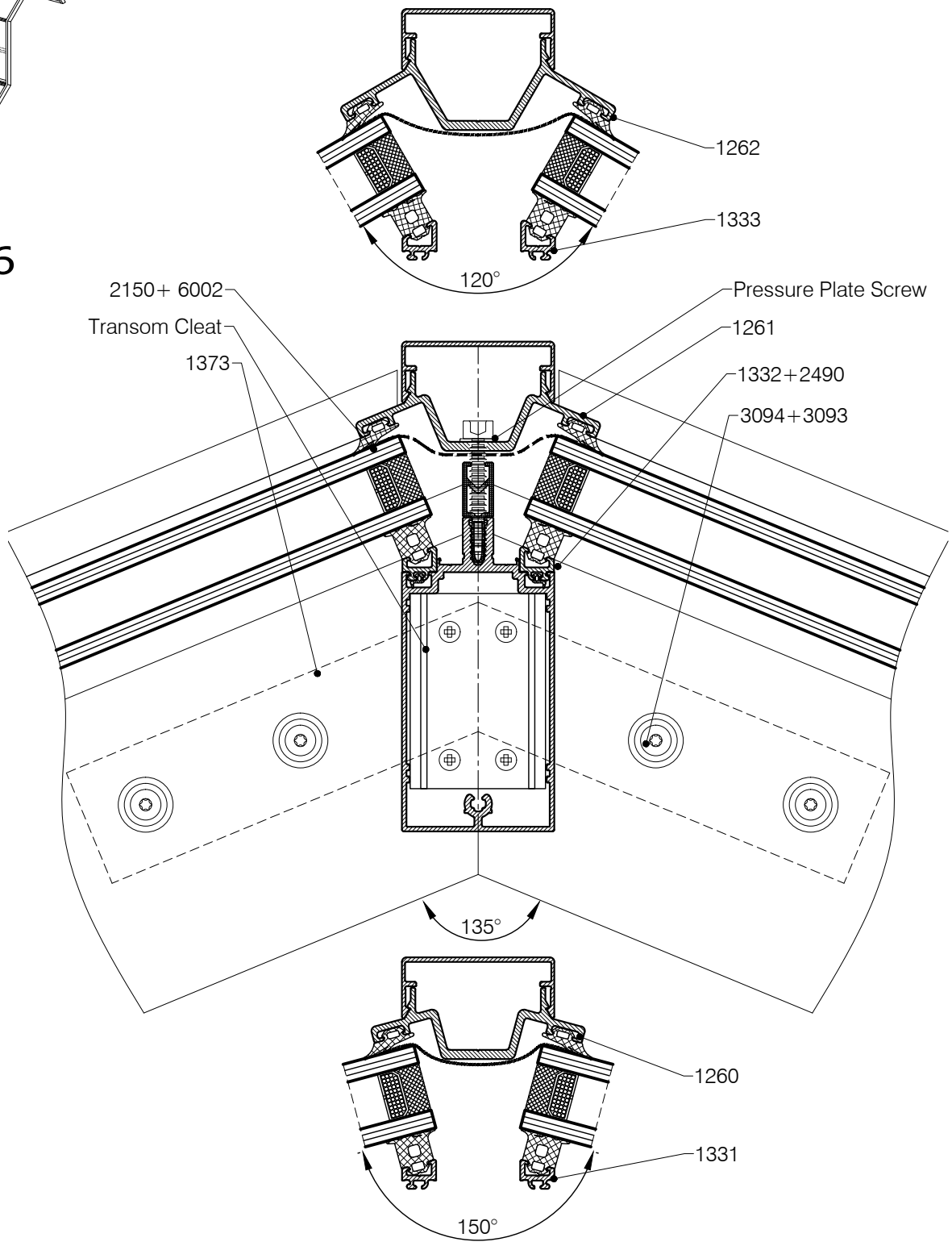
Sloped Roof 10

Comar 6EFT

Ridge Top



10.06



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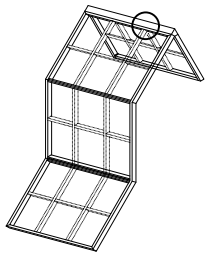
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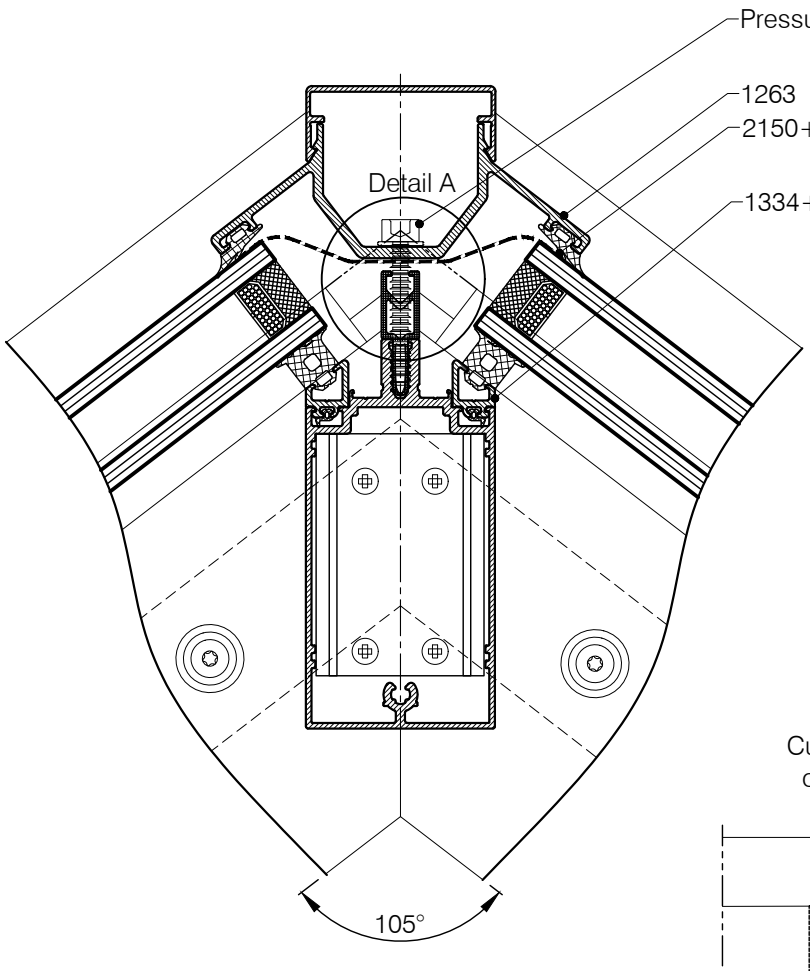
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Ridge Top 105°
Mullion Preparation

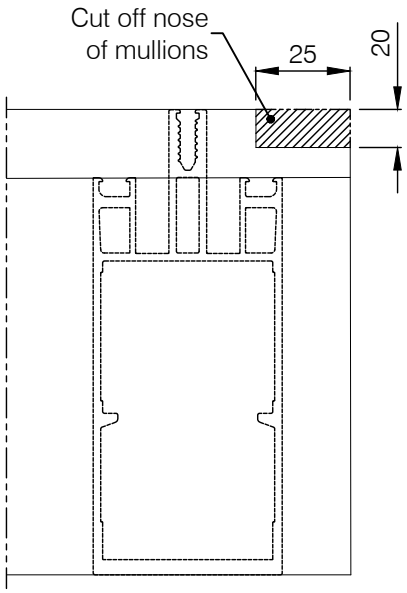




10.07

Fabricators Guide

Detail A



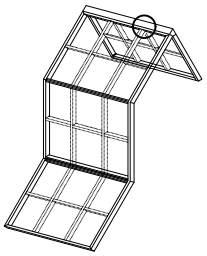
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Sloped Roof 10

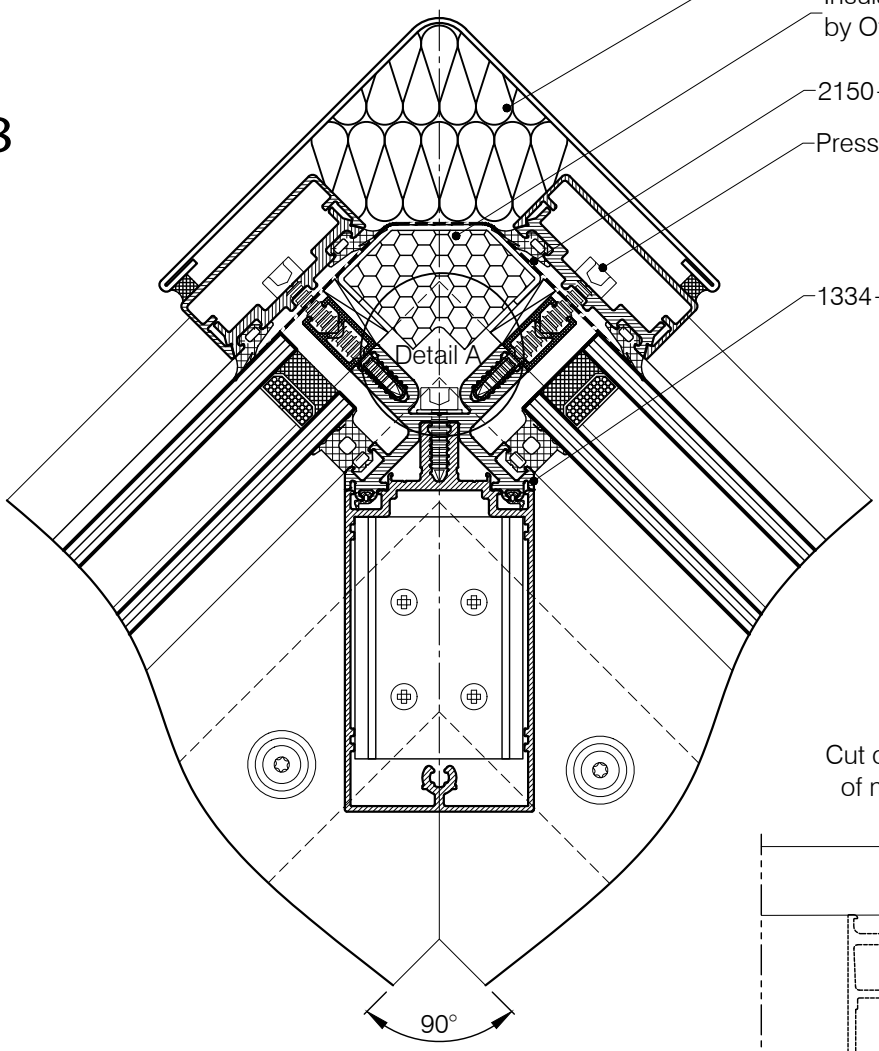
Comar 6EFT



Ridge Top 90°
Mullion Preparation

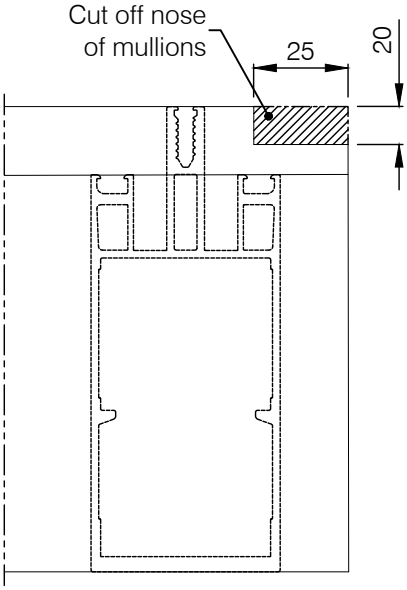
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Detail A



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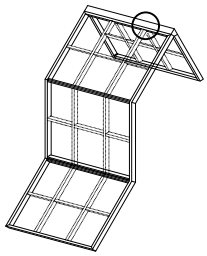
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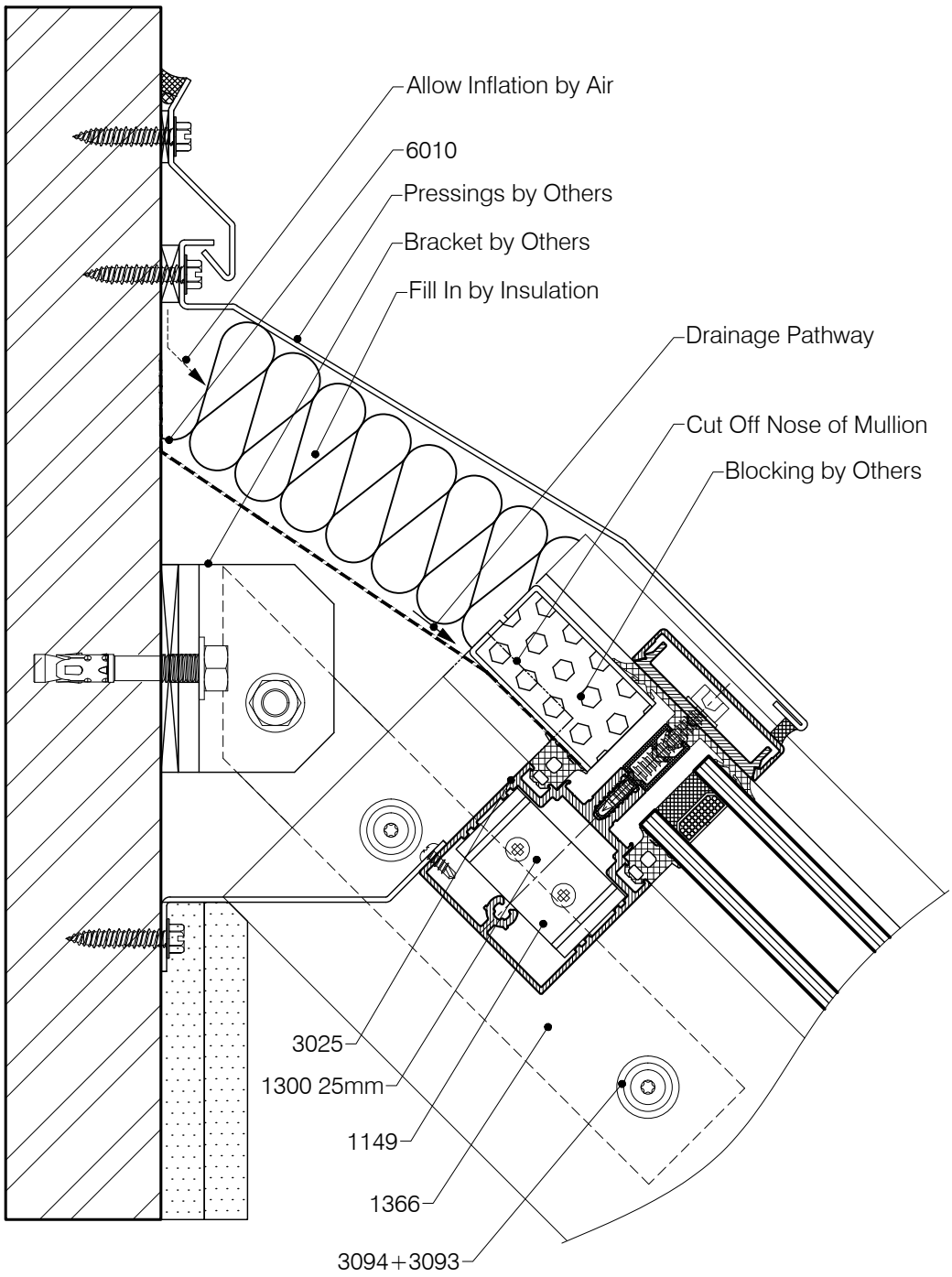
10 Sloped Roof

Comar 6EFT

Top at Wall



10.09



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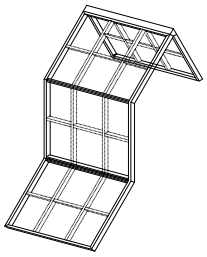
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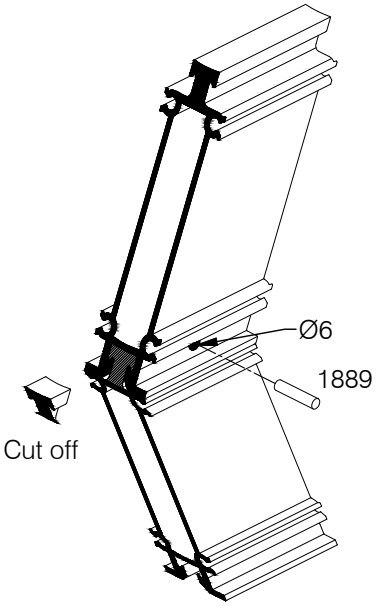
Sloped Roof 10

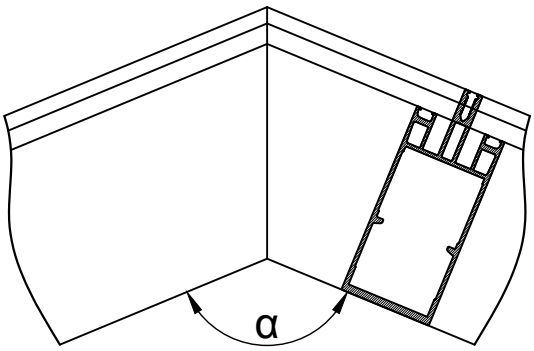
Comar 6EFT

Mullion's Connector 1373 Preparation



10.10



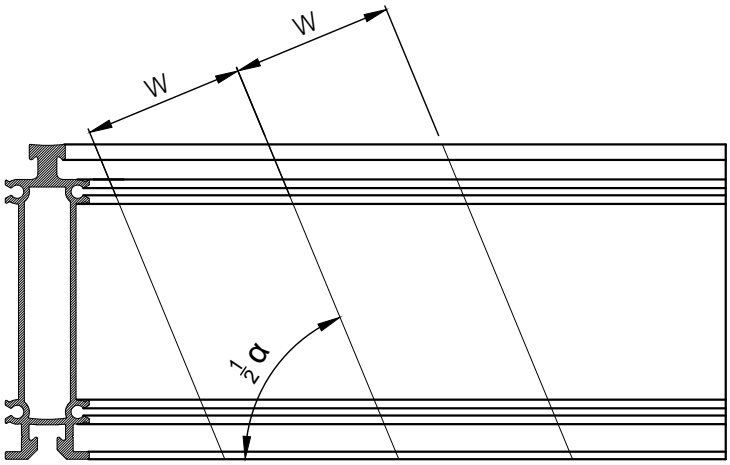


1070, 1072 W_1=39.5 mm

1069, 1073
1074, 1075 W_2=85mm
1076

1069, 1073
1074, 1075 W_1=39.5 mm + W_2=85mm

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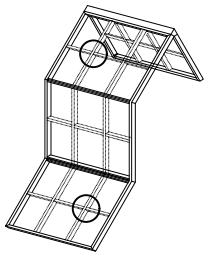
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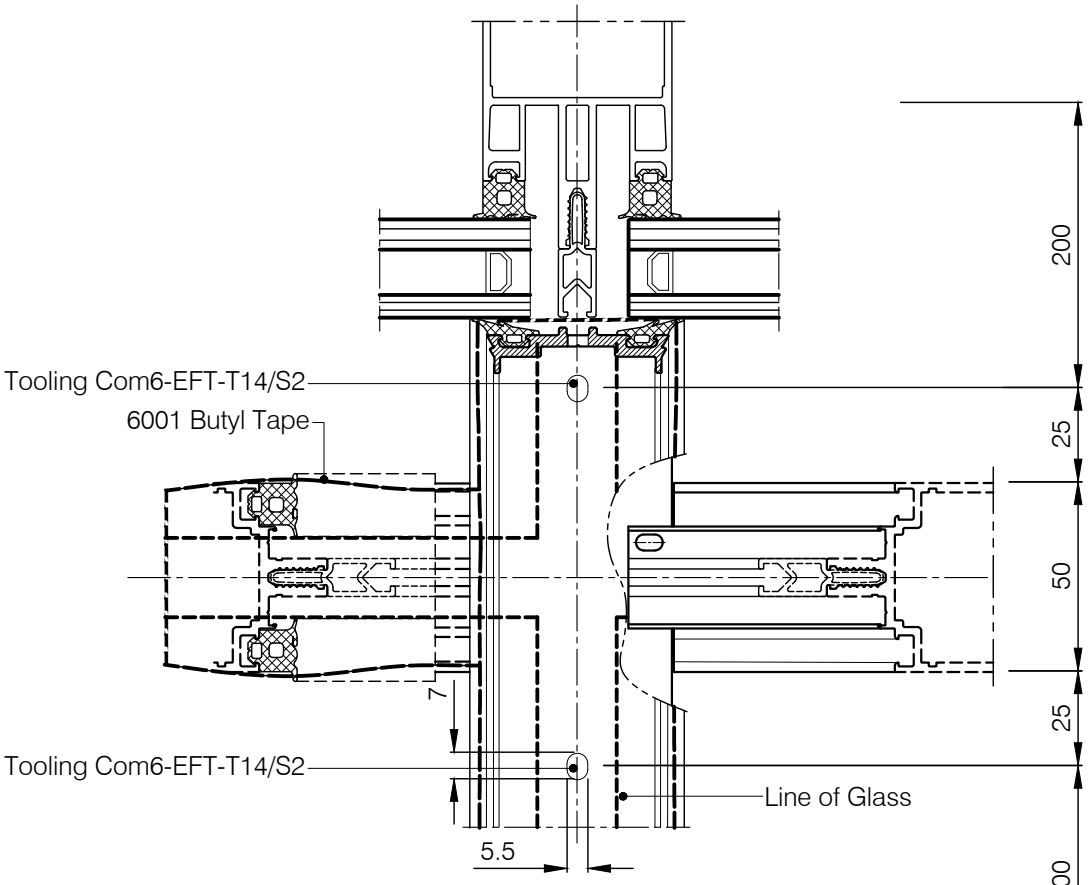
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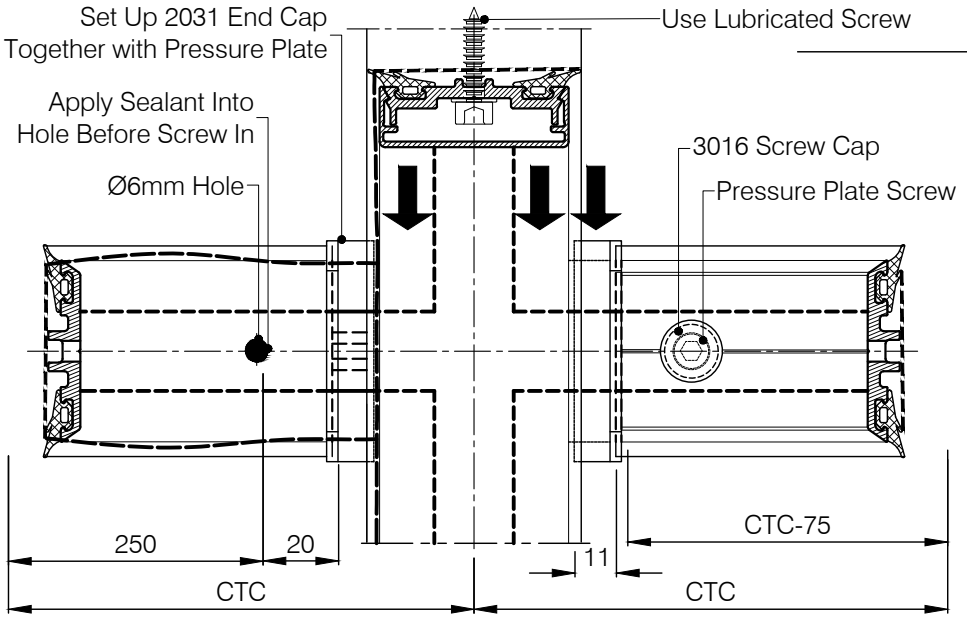
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Pressure Plate Junction



10.11





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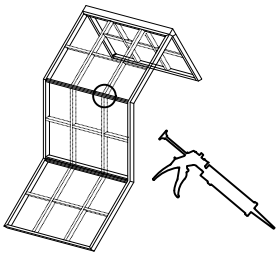
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Sloped Roof 10

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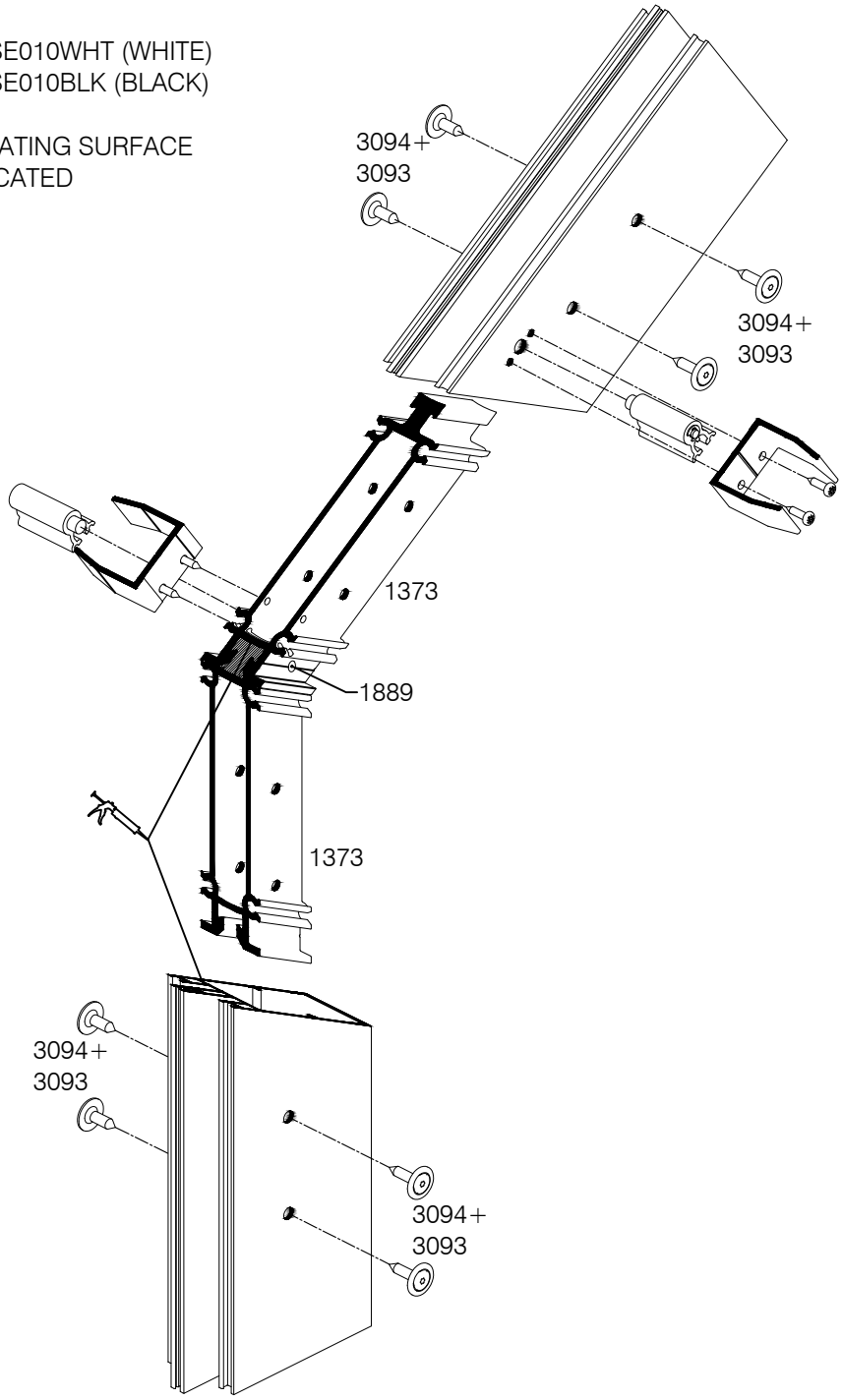
Mullion's Corner Assembly



SE010WHT (WHITE)
SE010BLK (BLACK)

GLUE MATING SURFACE
AS INDICATED

10.12



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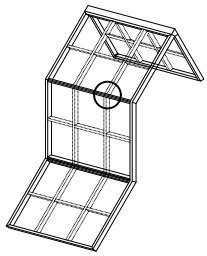
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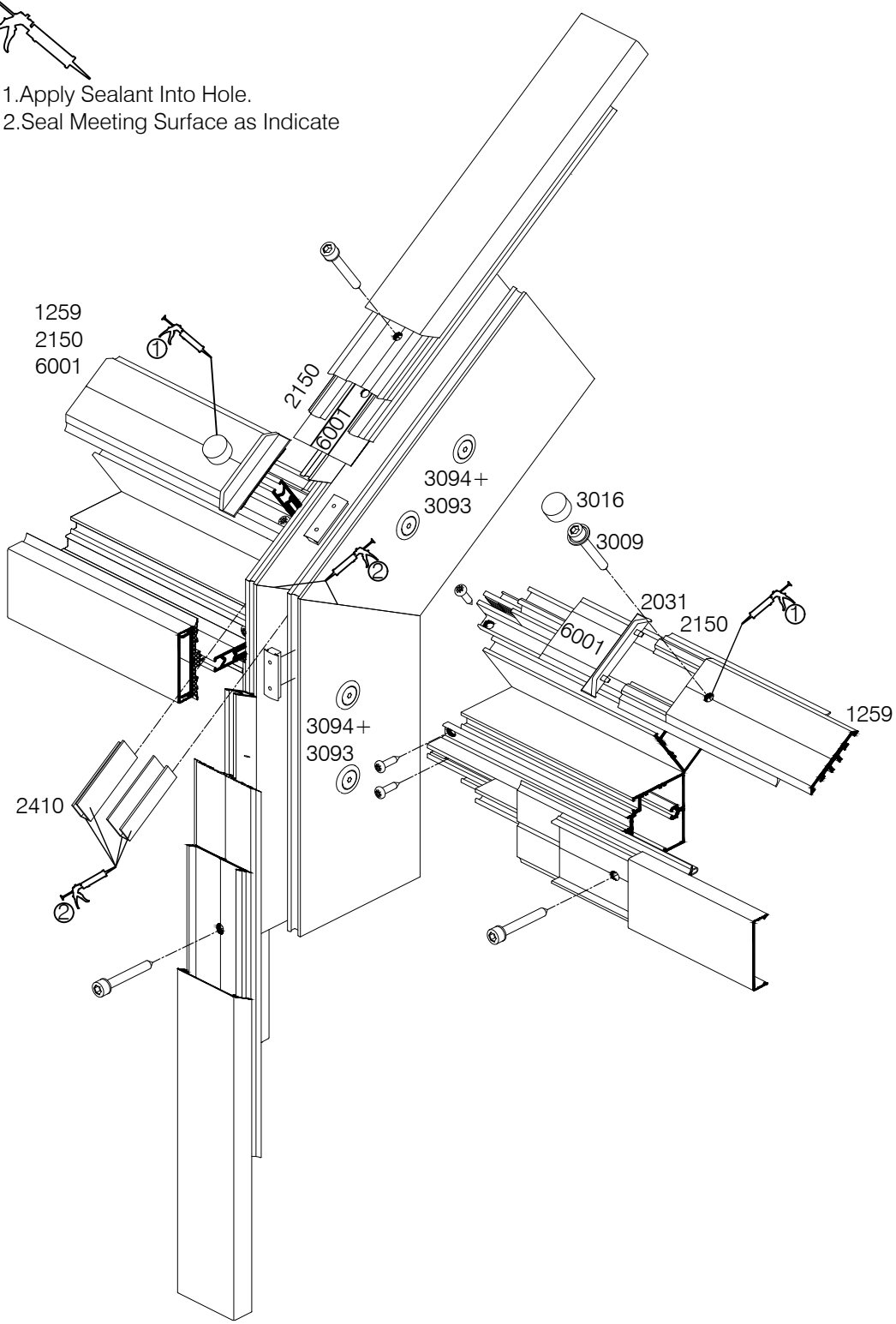
Outer Corner Assembly

Comar 6EFT





1.Apply Sealant Into Hole.
2.Seal Meeting Surface as Indicate



10.13

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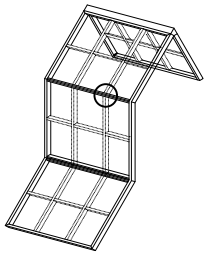
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Sloped Roof 10

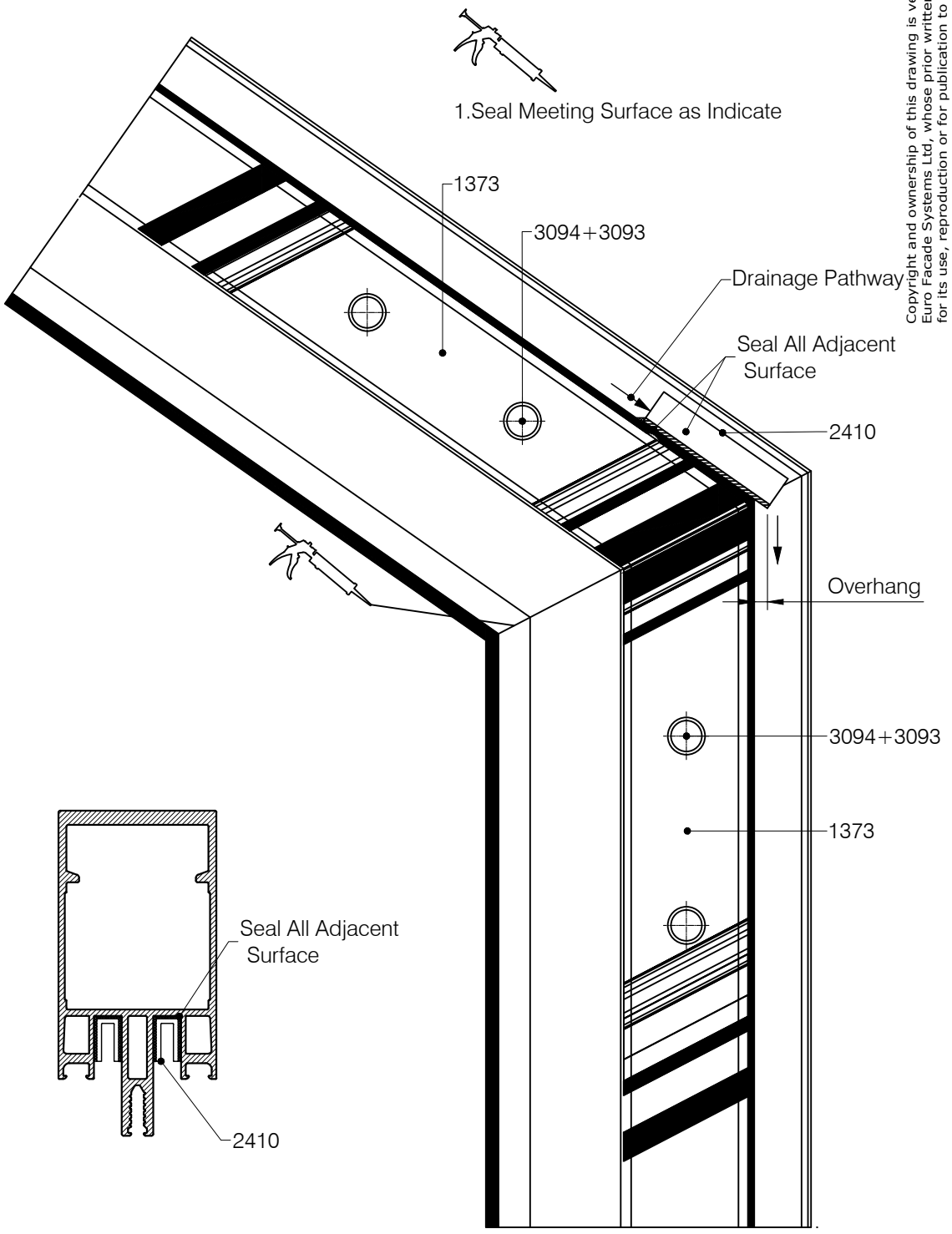
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Outer Corner Assembly



10.14

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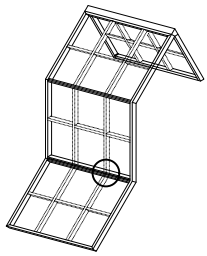
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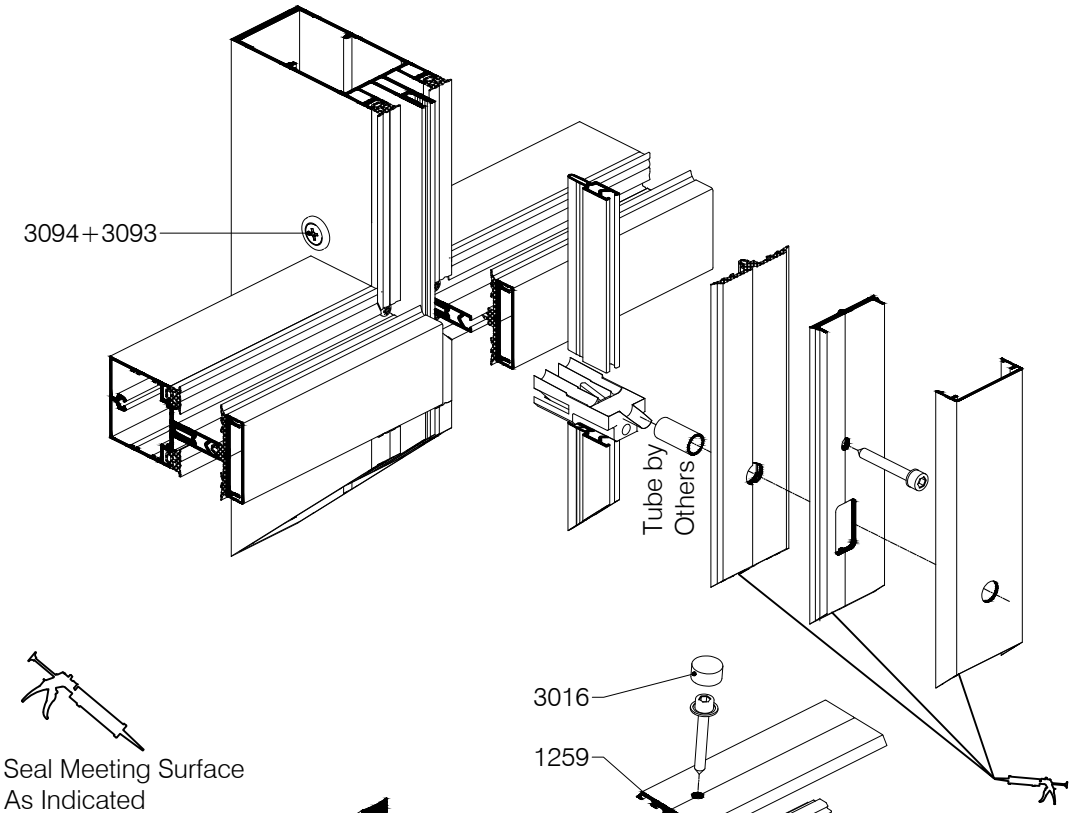
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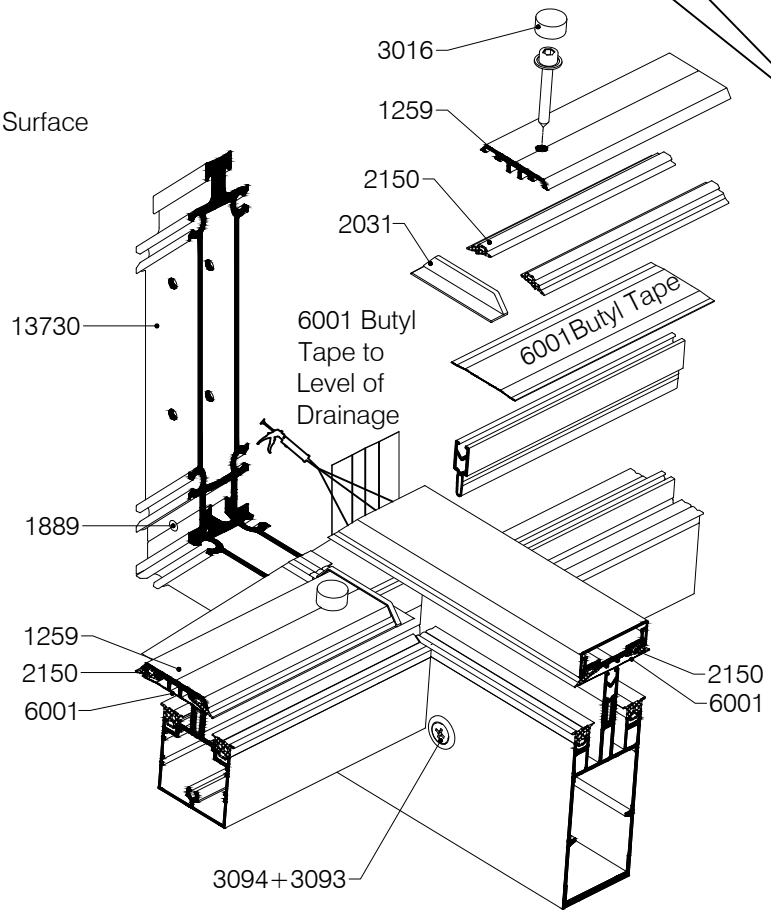
Inner Corner Assembly



10.15



Seal Meeting Surface As Indicated



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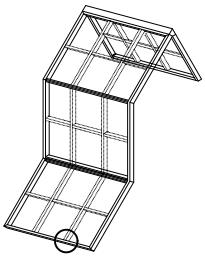
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Sloped Roof 10

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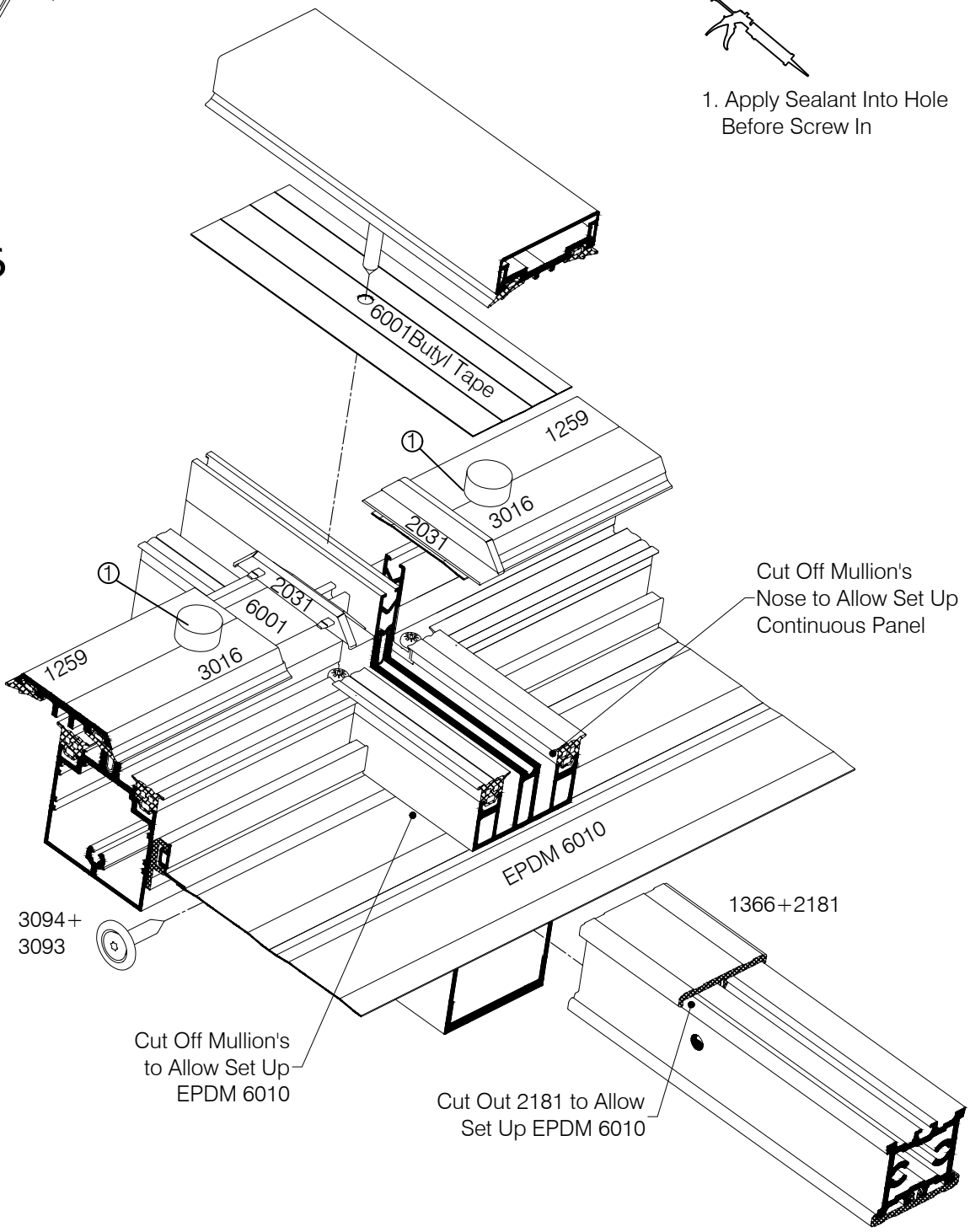
Assembly at Cill





1. Apply Sealant Into Hole Before Screw In

10.16



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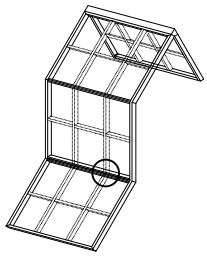
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10 Sloped Roof

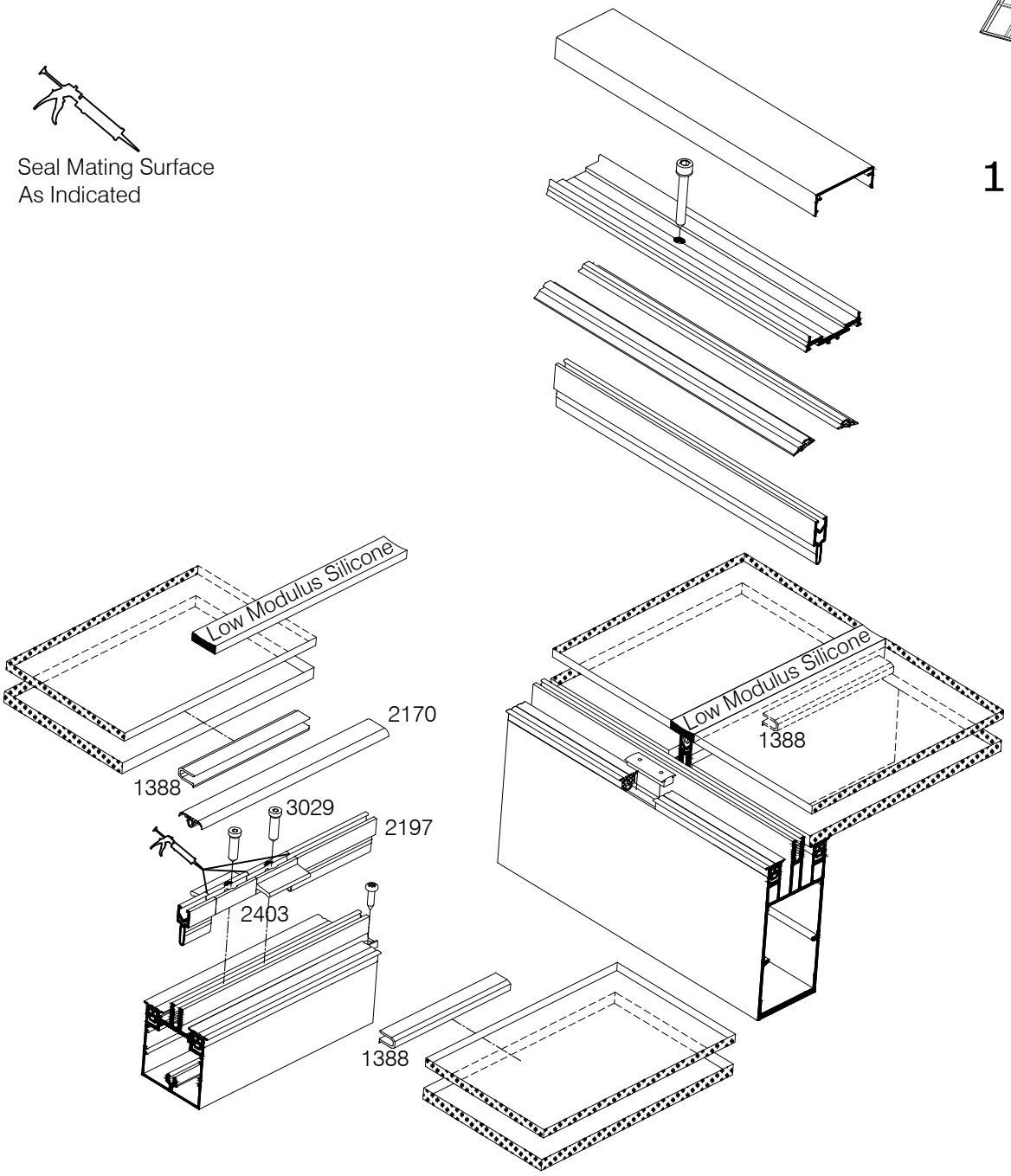
2 Sided SGV Assembly

Comar 6EFT



Seal Mating Surface
As Indicated

10.17



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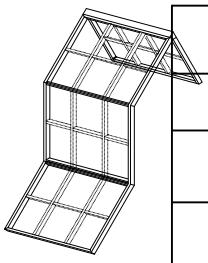
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Sloped Roof 10

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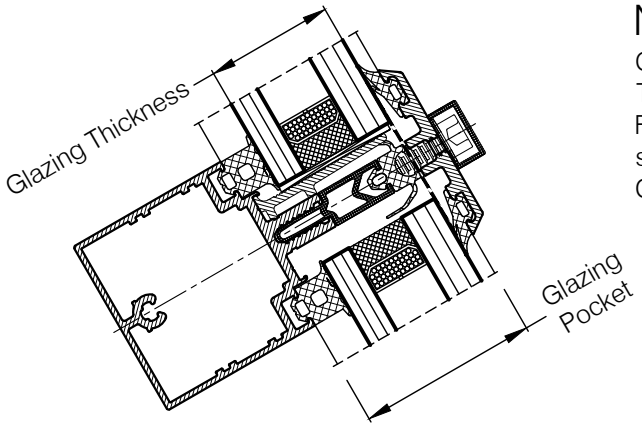
Sloped Roof Glazing Chart



Glazing Pocket	36			42			48			54		
Glazing Thickness	22	26	28	32	34	38	40	44	24	30	36	42
2101 6mm			X			X			X			X
2103 8mm		X			X			X			X	
2105 10mm	X			X			X			X		
2197-12mm Thermal Break		X										
2200-18mm Thermal Break					X			X			X	
2305-27mm Glass Support		X										
2490-33mm Glass Support					X							
1411-40mm Glass Support								X				
2153 6mm Gasket — 1404-40mm Glass Support											X	
3029- 23mm Screw											X	
2167 8mm Gasket								X				
2168 14mm Gasket											X	
	3008- 38mm Screw			3009- 42mm Screw			3010- 50mm Screw			3011- 55mm Screw		
Screw Cap	3016 WHT- White, BSVR-Silver DBLK-Black, CBRZ-Bronze											
	2150- 4mm Pressure Plate Gasket 6001- 50mm Butyl Tape											

10.18

Fabricators Guide



NOTE

Glazing Chart is for Transom only.
For Mullion please see Glazing Chart Capped C.W.

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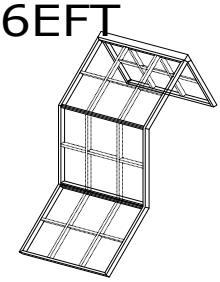
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10

Sloped Roof

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Future Additions

10.19 - 10.99

FUTURE ADDITION

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