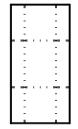
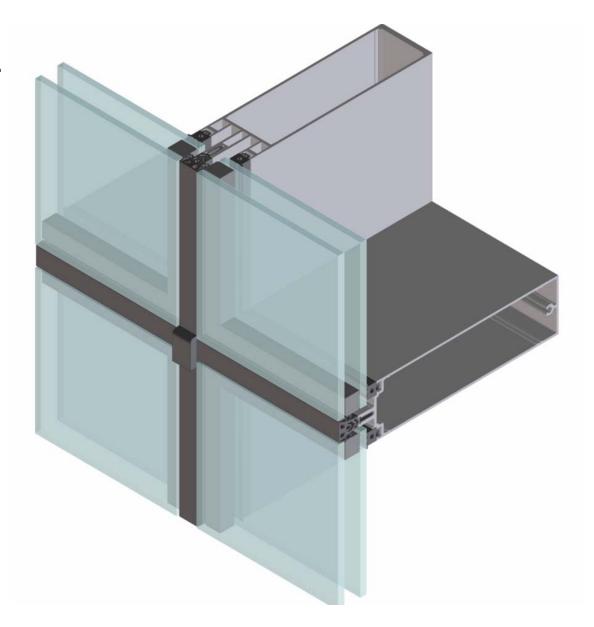
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Comar 6EFT

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4sided SG





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Introduction Comar 6 EFT 4 Sided SG

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

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

Specification Summary

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

The external vertical and horizontal sightline (joint seal) is 20 mm

The joint seal can be made of EPDM, compatable with most silicone sealants or this joint ca be made out of silicone sealant.

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/m²K) or EN ISO 10077 - 1

The thermal transmittance (Uf) W/m²K, 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

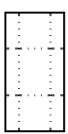
2400Pa (Pascal's) is dependent upon correct mullion and transom selection to suit span and spacing by project.

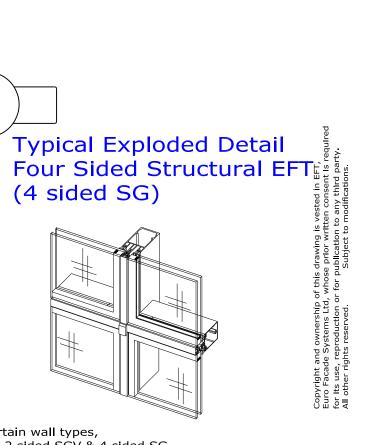
Size limitations

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

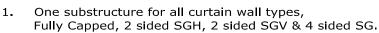


Comar 6EFT





Details:



- 2. Controlled drainage system (mullion drained) drainage diverter/cover.
- 3. Thermally broken.
- Mullion-Transom step-cut & sealed by EPDM moulding.
- Ladder (unit) construction or stick build.
- Moulded EPDM corners available.
- Continuous pressure plate gasket.
- Glazing clamping system into DG unit.

Changes reserved Sous reserve de modifications Änderungen vorbehalten

> Issue: 04 Date: 01-14

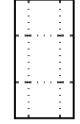
ARCHITECTURAL ALUMINIUM SYSTEMS

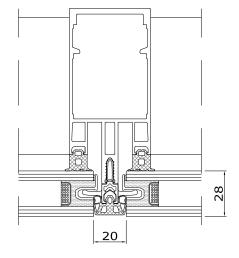
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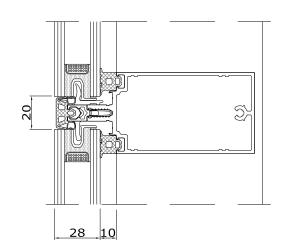
Typical details

Four sided structural glazing (4sided SG)

Comar 6EFT

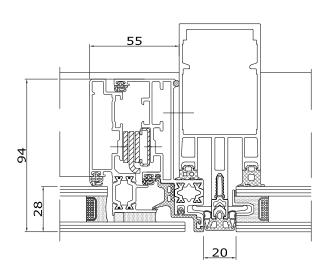




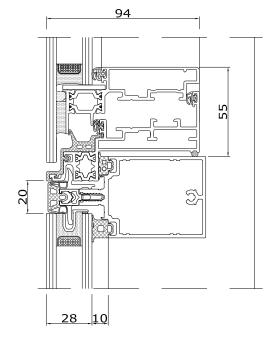


2.56

Including Comar 6EFT Concealed Vent



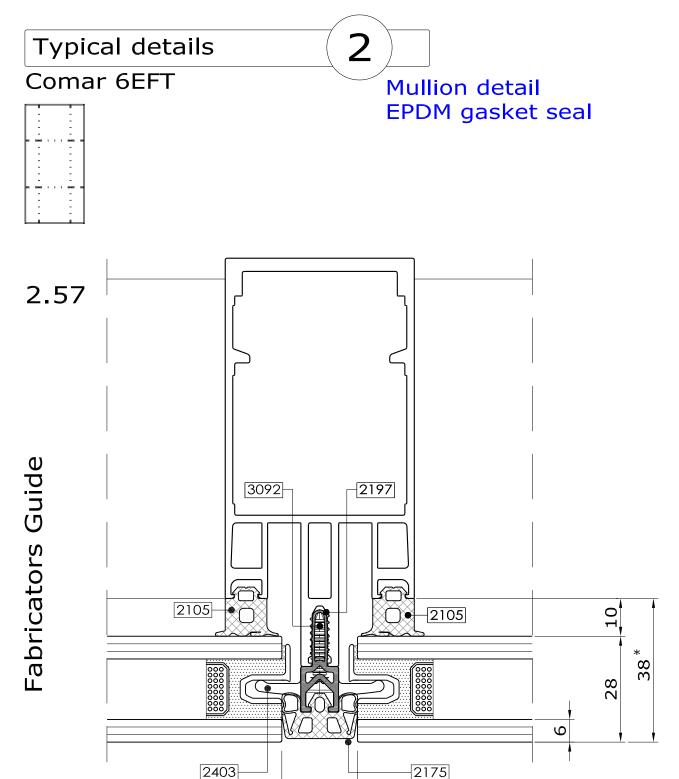
For concealed vent details, refer to section 8



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* Refer to Glazing Chart for glazing options

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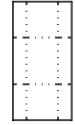


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Comar 6EFT

Transom detail EPDM gasket seal



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* Refer to Glazing Chart for glazing options

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<u>3</u>8*

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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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Comar 6EFT

Transom detail Silicone seal



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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2.60 2105 2300 2197 20 3092 2170 2105 2403 6 28 10 38

* Refer to Glazing Chart for glazing options

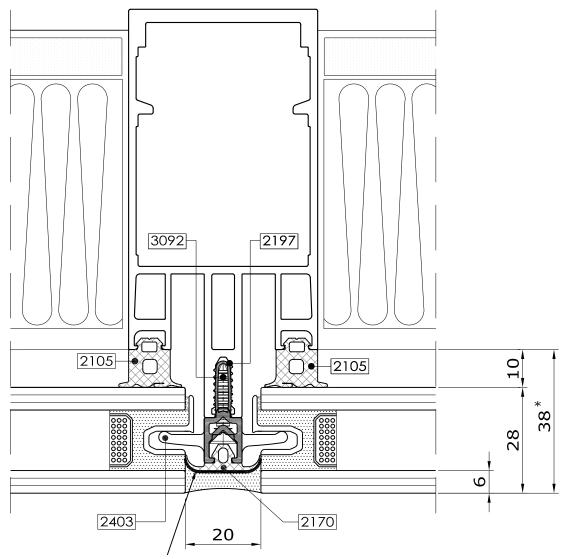
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2.61

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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

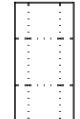
* Refer to Glazing Chart for glazing options



Changes reserved Sous reserve de modifications Änderungen vorbehalten

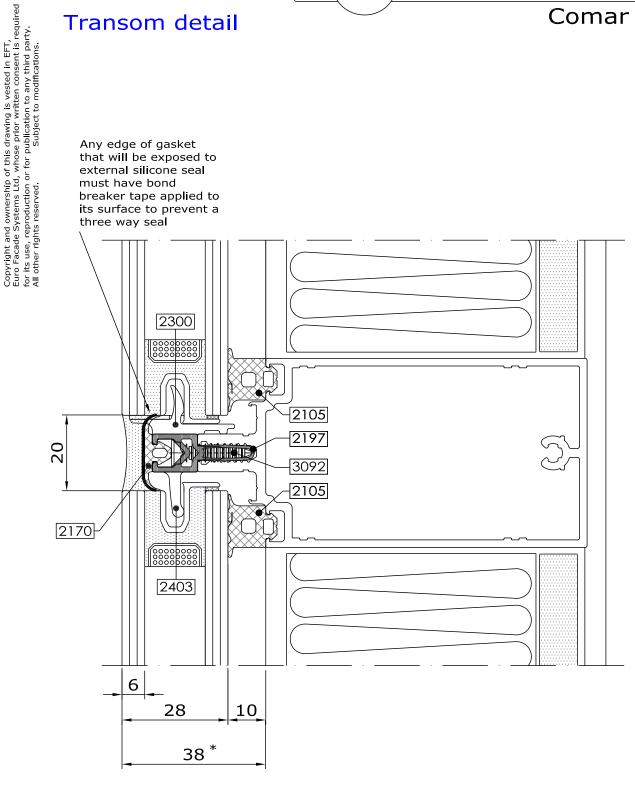
Comar 6EFT

Transom 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

2.62



* Refer to Glazing Chart for glazing options

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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

Not By Parkside Group

* Refer to Glazing Chart for glazing options

1346

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20



Changes reserved Sous reserve de modifications Änderungen vorbehalten

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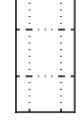
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Comar 6EFT

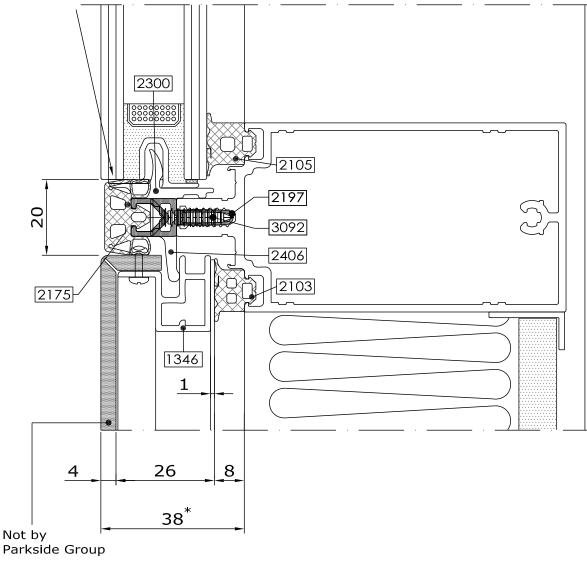
Transom detail 1346

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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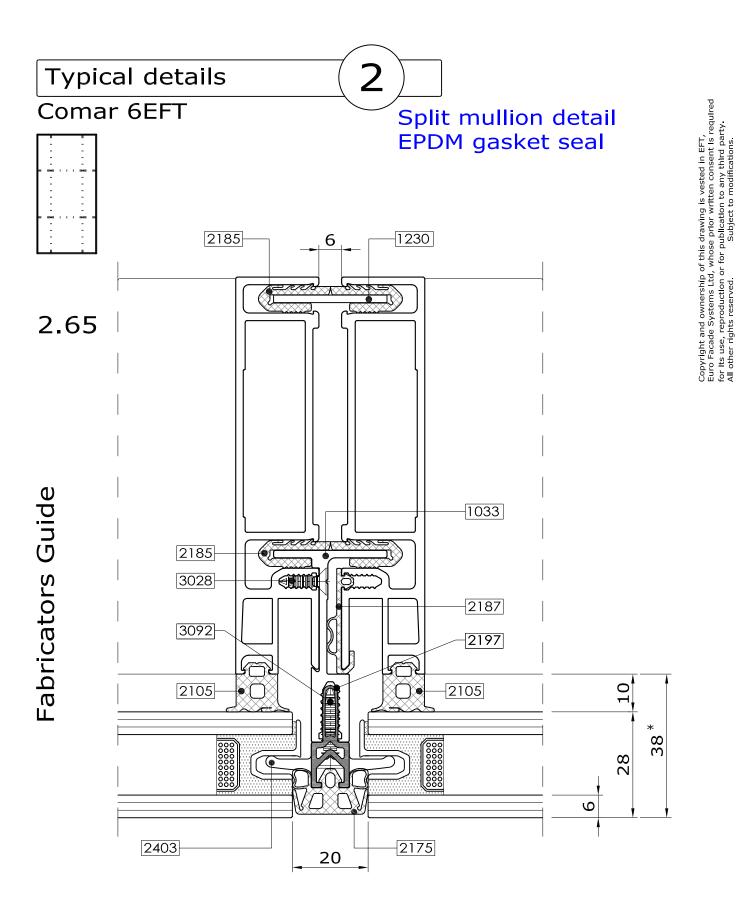
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* Refer to Glazing Chart for glazing options

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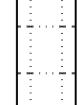


* Refer to Glazing Chart for glazing options



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2.66

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

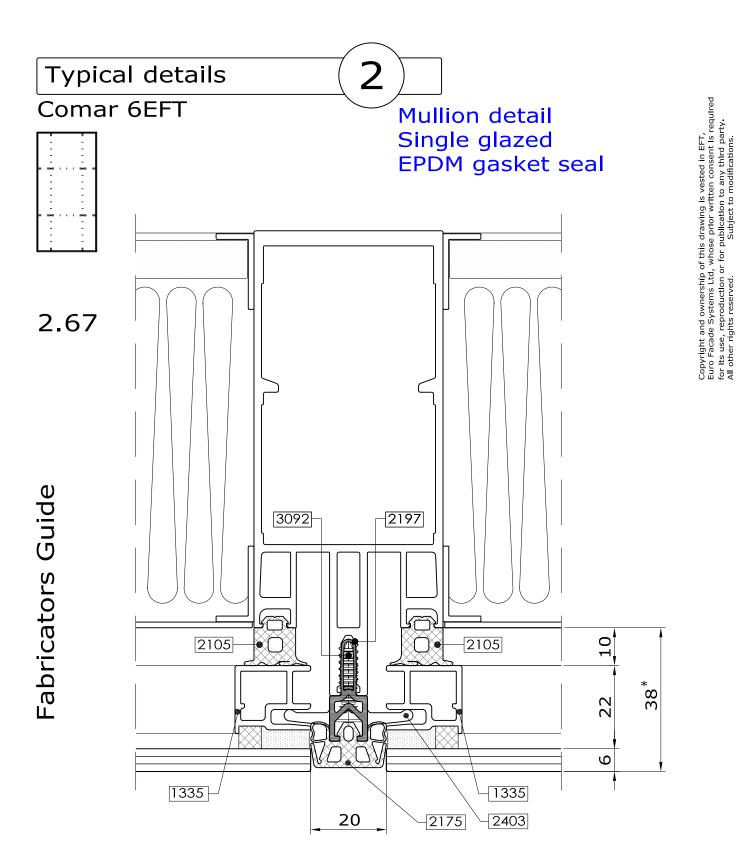
* Refer to Glazing Chart for glazing options

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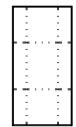
* Refer to Glazing Chart for glazing options

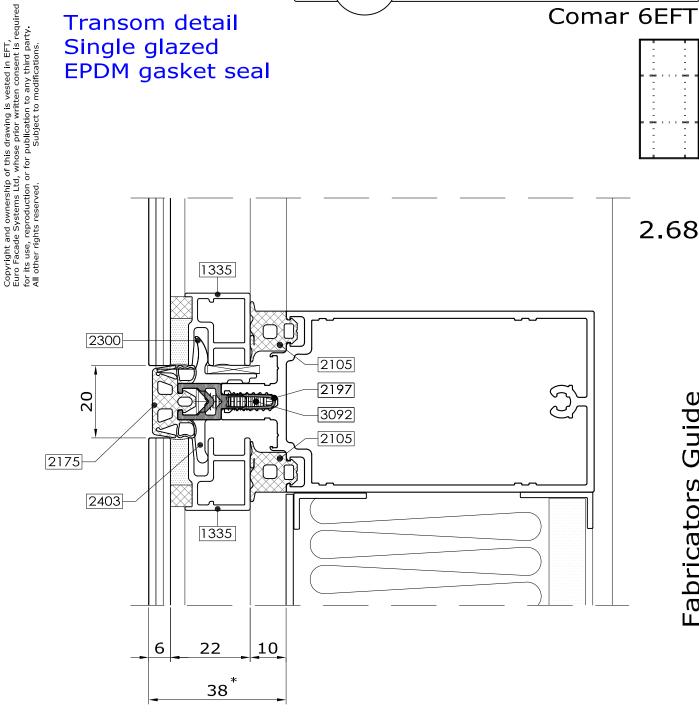


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Comar 6EFT

Transom detail Single glazed **EPDM** gasket seal





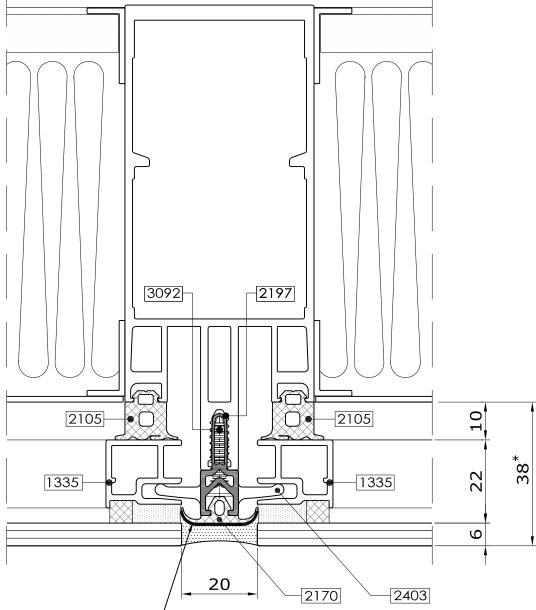
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Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

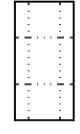
* Refer to Glazing Chart for glazing options

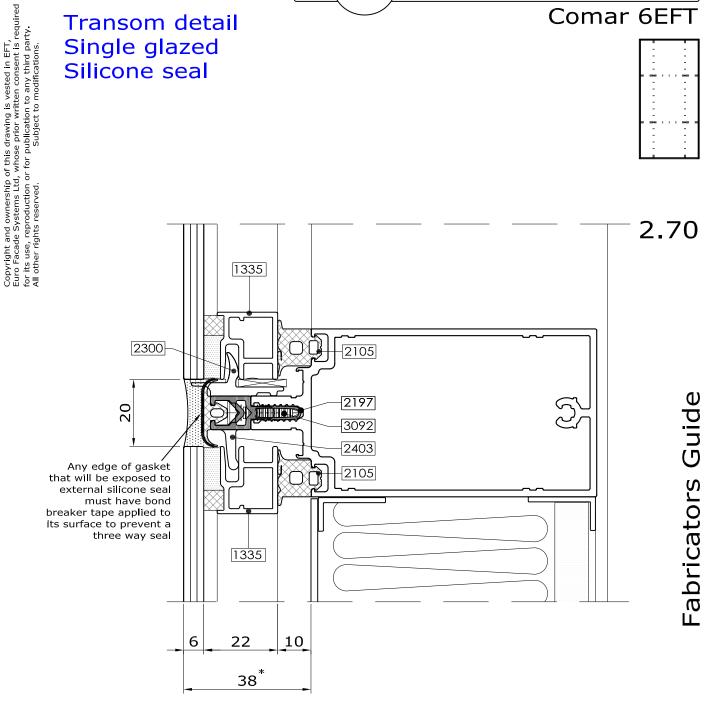


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* Refer to Glazing Chart for glazing options

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2175

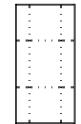
2403



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9

Con



2.72

Transom detail Direct fix to steel EPDM gasket seal

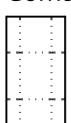
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2300 1125 1425 GK405 2175 2105 Steel size and detail determined 2197 by structural engineer \times 3092 Fixing by Structural Engineer 2105 GK405 2403 4 6 28 34 10 <u>3</u>8*

* Refer to Glazing Chart for glazing options

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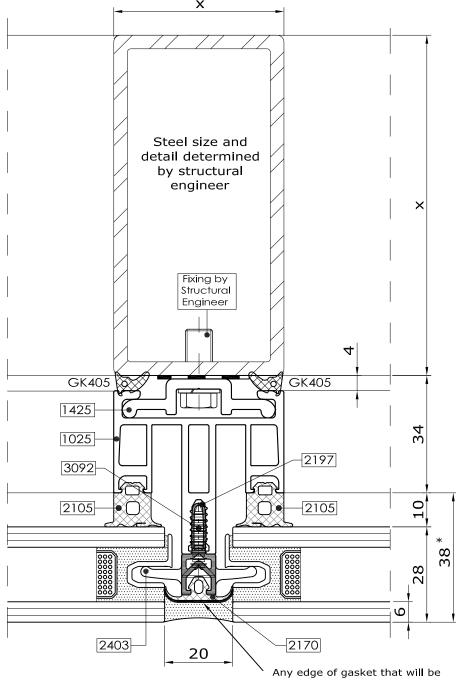


Mullion detail Direct fix to steel Silicone seal

2.73

2./3

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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> Issue: 04 Date : 01-14

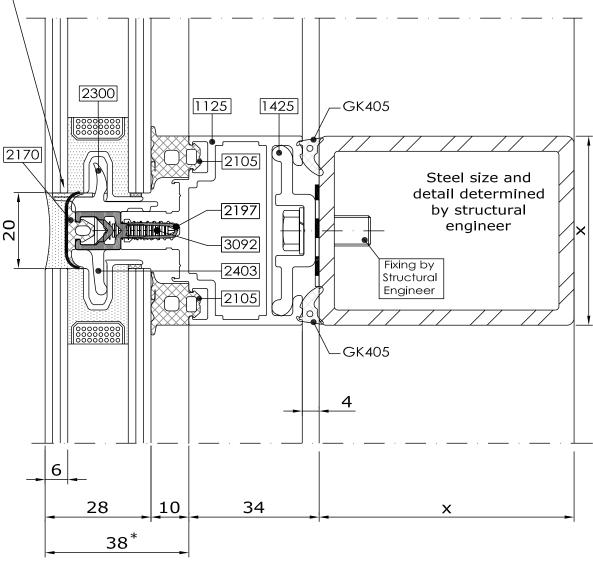
Comar 6EFT

Transom detail Direct fix to steel Silicone seal

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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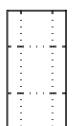
* Refer to Glazing Chart for glazing options

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Comar 6EFT



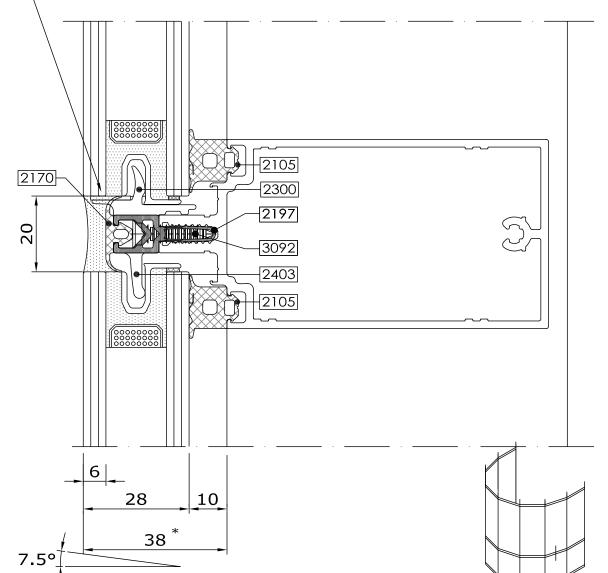
Transom detail, Silicone seal, Facetted facade 7.5° maximum

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

2.75

Fabricators Guide





* Refer to Glazing Chart for glazing options

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> Issue: 04 Date: 01-14

2

Typical details

Comar 6EFT

Mullion detail Facetted facade - Single glazed 7.5° maximum

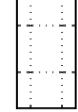
165°

2172

20

2197

3092



2.76

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

2105

1335 2431

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10

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* Refer to Glazing Chart for glazing options

2105

1335

2431

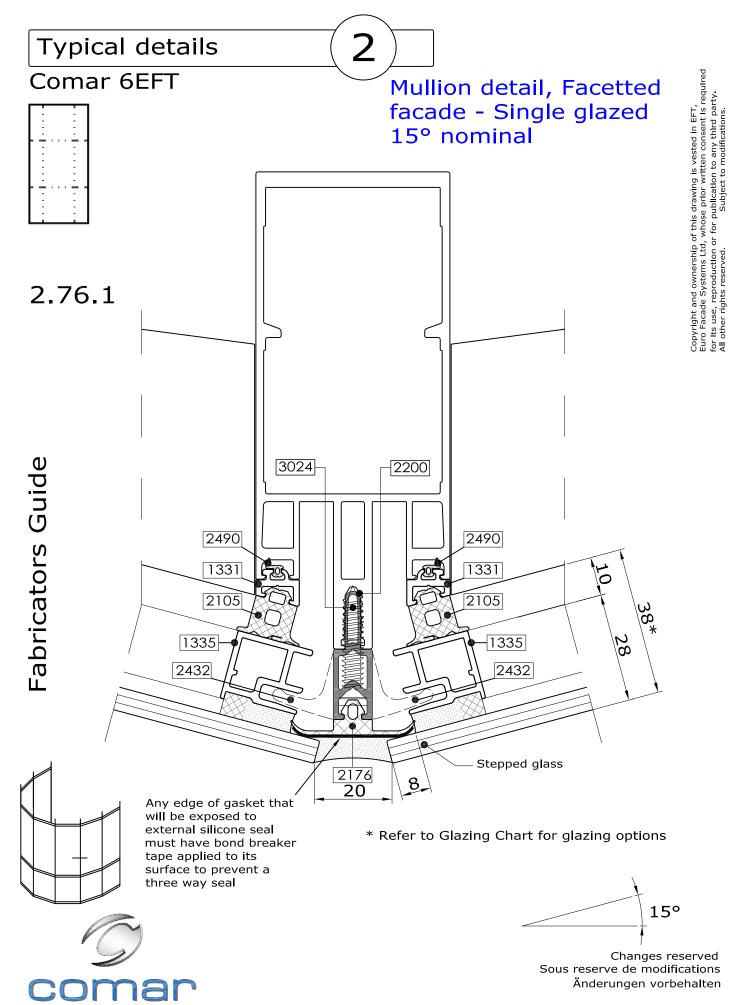
Stepped glass

7.5°

Changes reserved Sous reserve de modifications Änderungen vorbehalten

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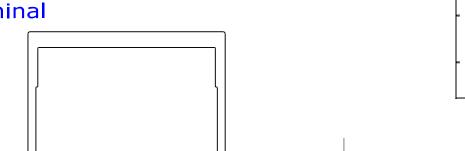




ARCHITECTURAL ALUMINIUM SYSTEMS

Comar 6EFT

Mullion detail Facetted facade - Single glazed 22.5° nominal



2.77

Fabricators Guide

3024 2200 135° 2490 2490 1332 1332 2105 2105 1335 1335 2433 2433

Stepped glass Silicone wash 2178 to obscure joint Any edge of gasket that will be 20 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

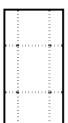
Changes reserved Sous reserve de modifications Änderungen vorbehalten

22.5°

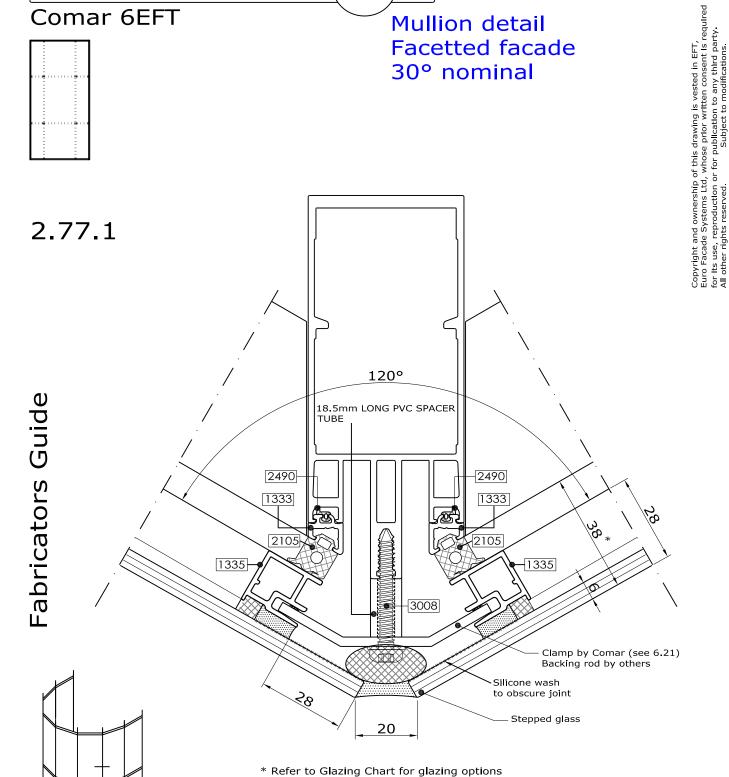
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Comar 6EFT



Mullion detail Facetted facade 30° nominal





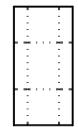
Changes reserved Sous reserve de modifications Änderungen vorbehalten

> Issue: 04 Date: 01-14

30°

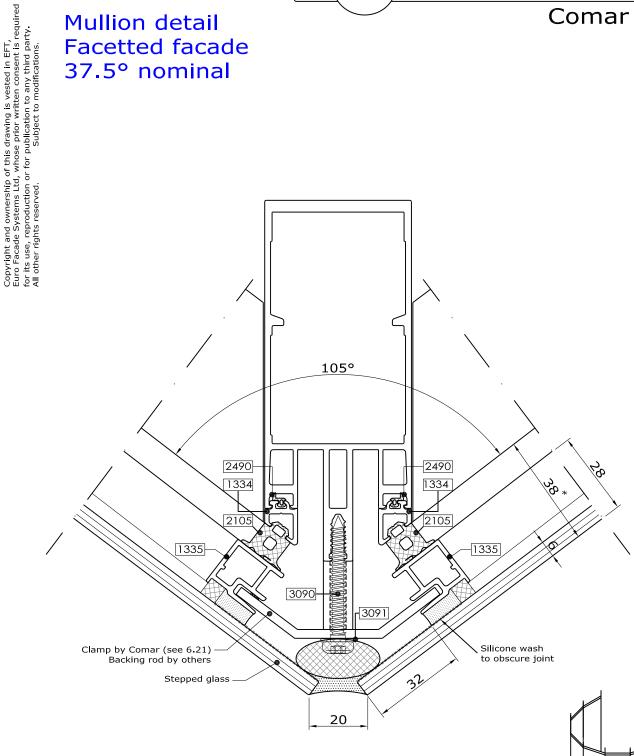
Comar 6EFT

Mullion detail Facetted facade 37.5° nominal

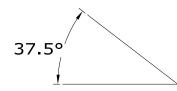


2.78

Fabricators Guide



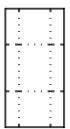
* Refer to Glazing Chart for glazing options



Changes reserved Sous reserve de modifications Änderungen vorbehalten



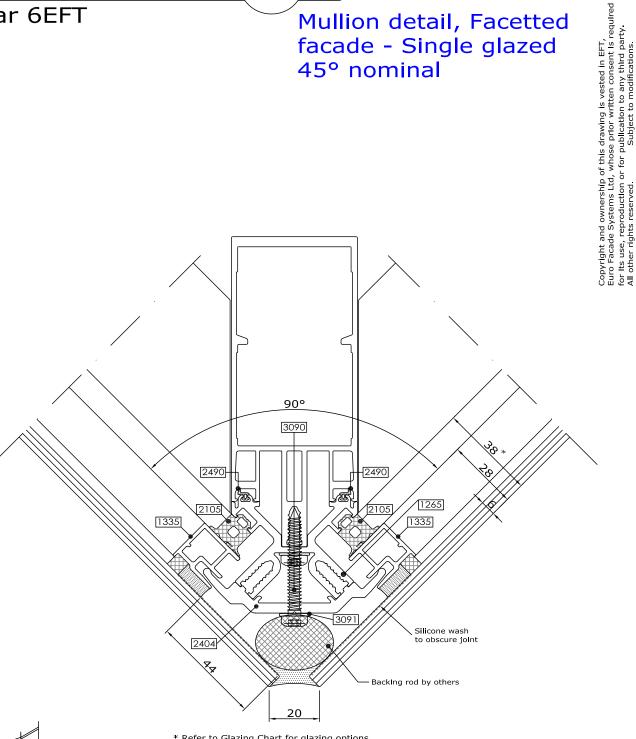
Comar 6EFT



Mullion detail, Facetted facade - Single glazed 45° nominal

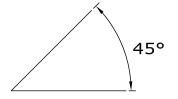
2.79

Fabricators Guide









Changes reserved Sous reserve de modifications Änderungen vorbehalten

2.80

3092 2197 2105 2105 1335 1335 28 2172 2441 20 Any edge of gasket that will be exposed to external silicone seal must 165° have bond breaker tape applied to its surface to

* Refer to Glazing Chart for glazing options



prevent a three way seal

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Mullion detail

7.5° maximum

Facetted facade - Single glazed

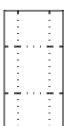


Fabricators Guide

Changes reserved

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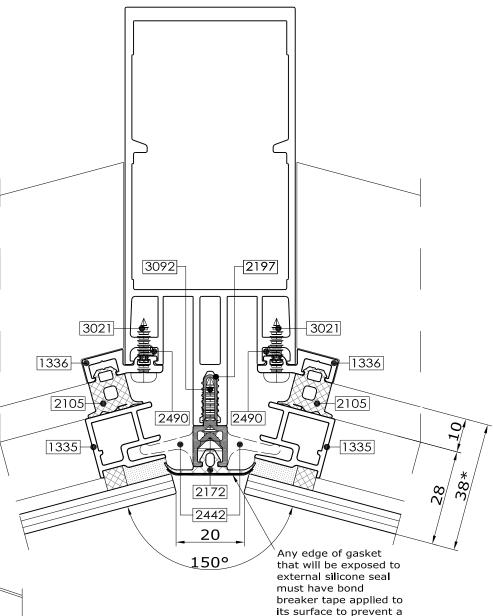
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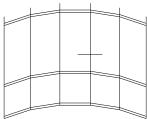


Mullion detail, Facetted facade - Single glazed 15° nominal

2.80.1

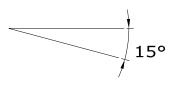
Fabricators Guide





ARCHITECTURAL ALUMINIUM SYSTEMS

* Refer to Glazing Chart for glazing options



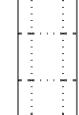
Changes reserved Sous reserve de modifications Änderungen vorbehalten

three way seal

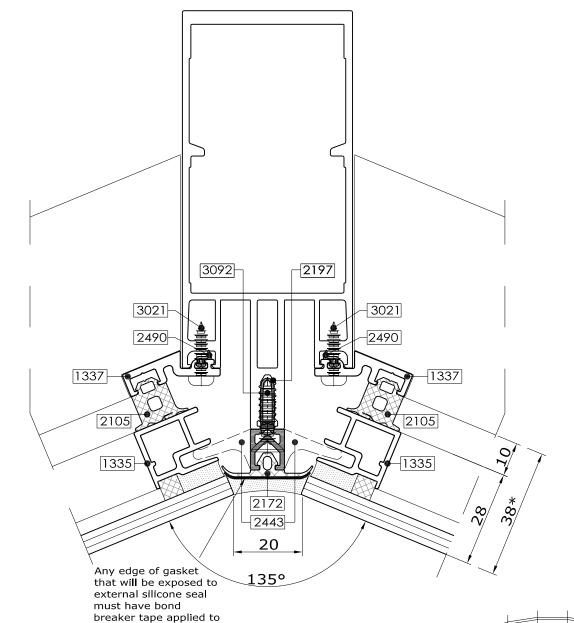
Issue: 04 Date: 01-14

Comar 6EFT

Mullion detail Facetted facade - Single glazed 22.5° nominal



2.81



22.5°

its surface to prevent a three way seal

* Refer to Glazing Chart for glazing options





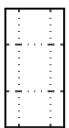
Changes reserved Sous reserve de modifications Änderungen vorbehalten

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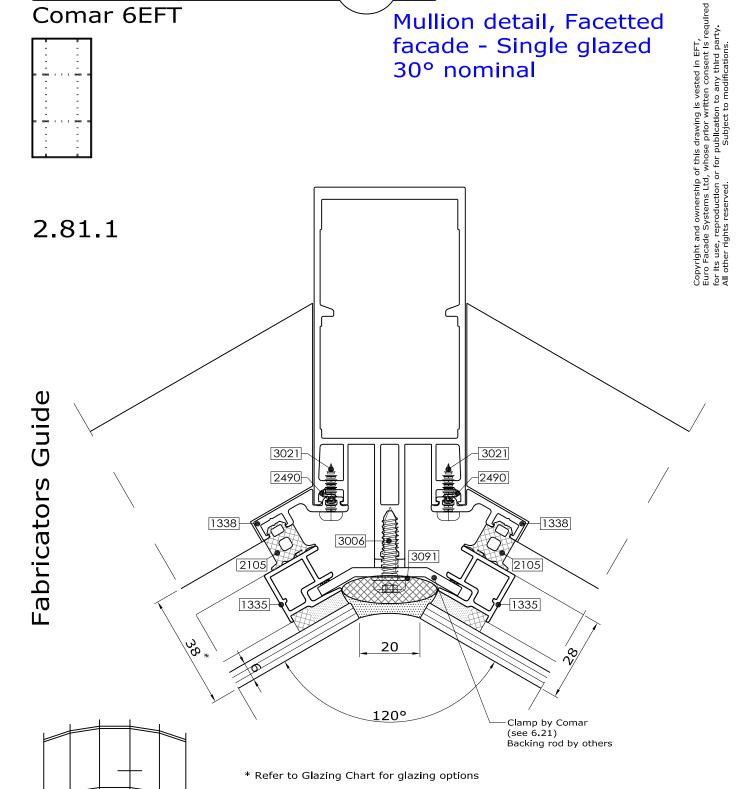
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Fabricators Guide

Comar 6EFT



Mullion detail, Facetted facade - Single glazed 30° nominal



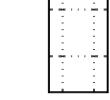


Changes reserved Sous reserve de modifications Änderungen vorbehalten

> Issue: 04 Date: 01-14

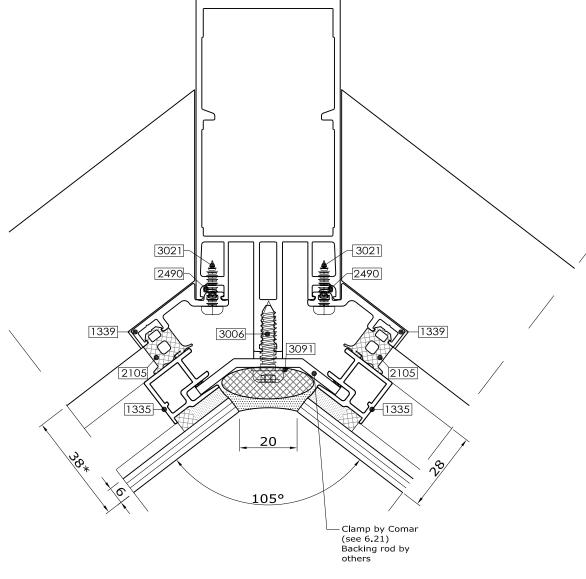
30°

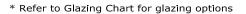
Mullion detail Facetted facade - Single glazed 37.5° nominal

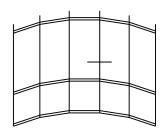


2.82

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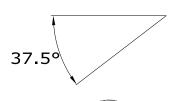




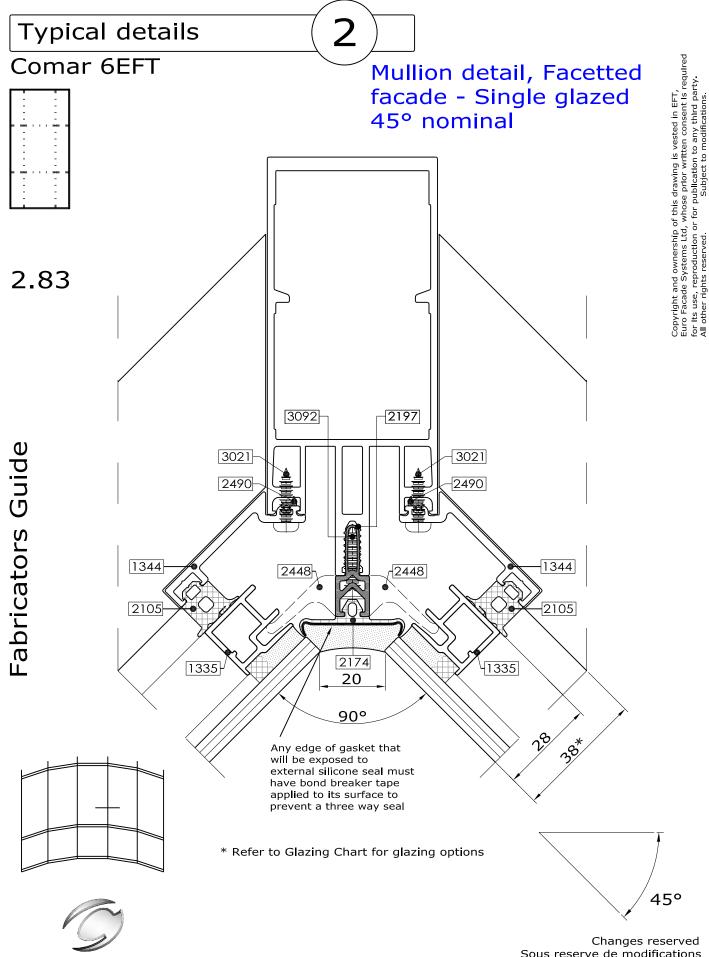


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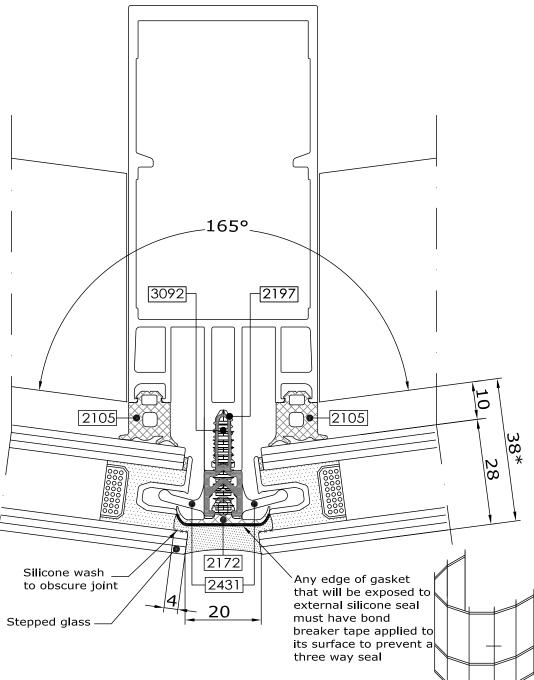
Changes reserved Sous reserve de modifications Änderungen vorbehalten

Fabricators Guide

* Refer to Glazing Chart for glazing options ARCHITECTURAL ALUMINIUM SYSTEMS

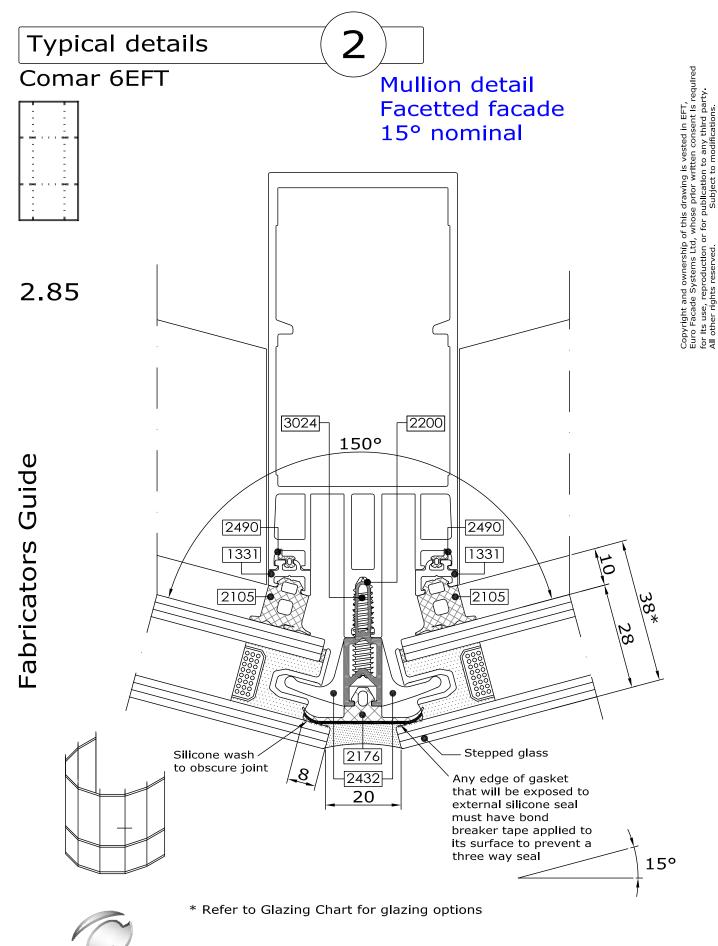
Mullion detail Facetted facade 7.5° maximum

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2.86

Fabricators Guide

Mullion detail Facetted facade 22.5° nominal

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3024 2200 135° 2490 2490 1332 1332 2105 2105 Silicone wash Stepped glass to obscure joint 2178 Any edge of gasket 2433 that will be exposed to external silicone seal 20 must have bond breaker tape applied to its surface to prevent a three way seal

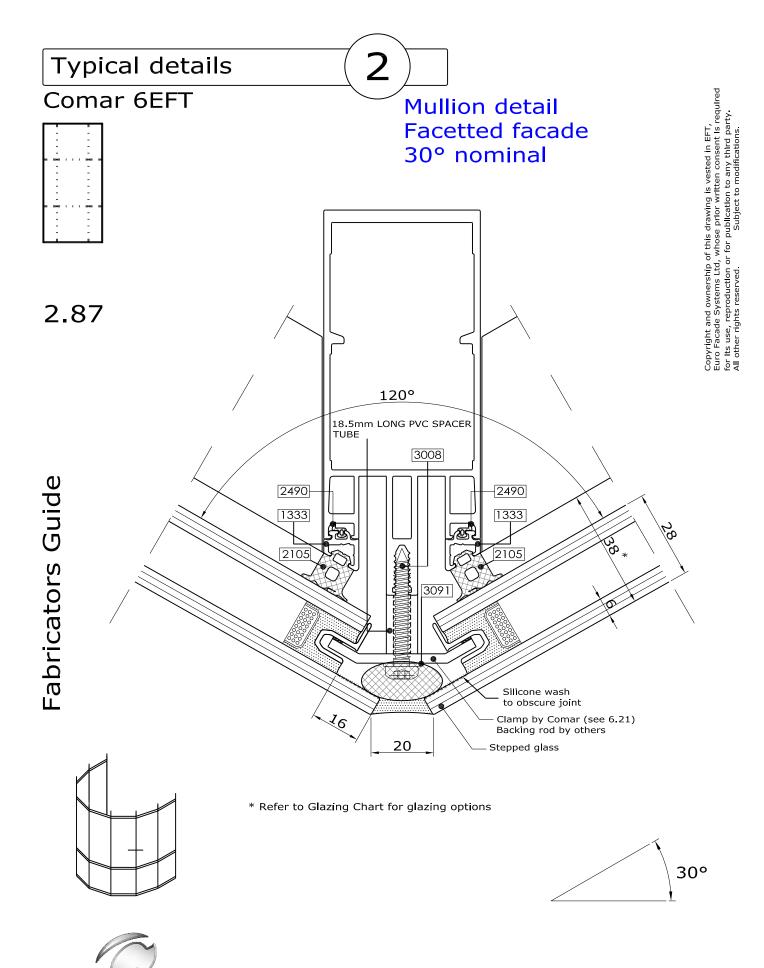
* Refer to Glazing Chart for glazing options Changes reserved Sous reserve de modifications

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22.5°



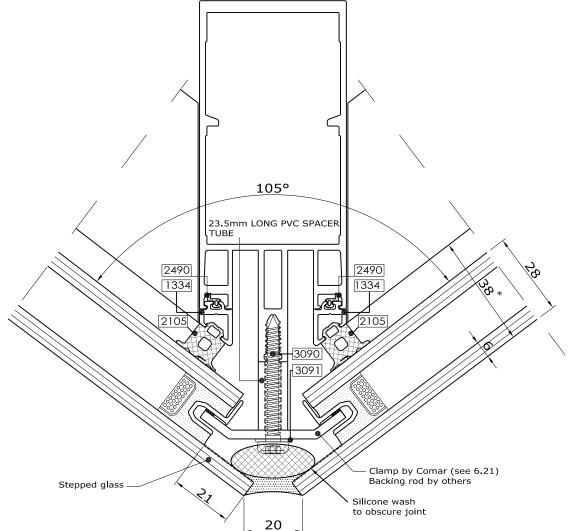


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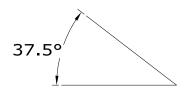
2.88

Fabricators Guide

Comar 6EFT



* Refer to Glazing Chart for glazing options



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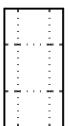
Mullion detail

Facetted facade 37.5° nominal

Typical details

2

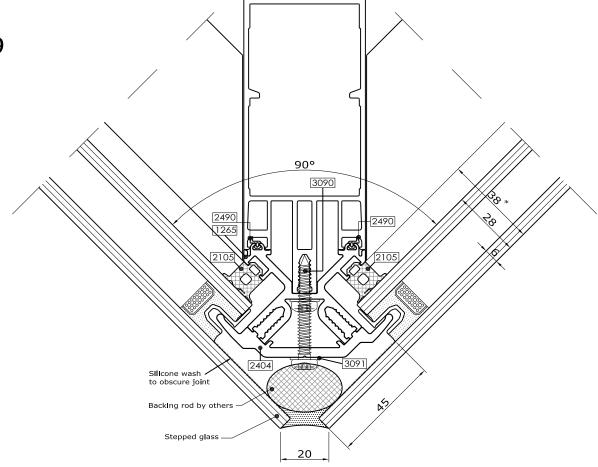
Comar 6EFT



Mullion detail Facetted facade 45° nominal

2.89

Fabricators Guide



* Refer to Glazing Chart for glazing options



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45°

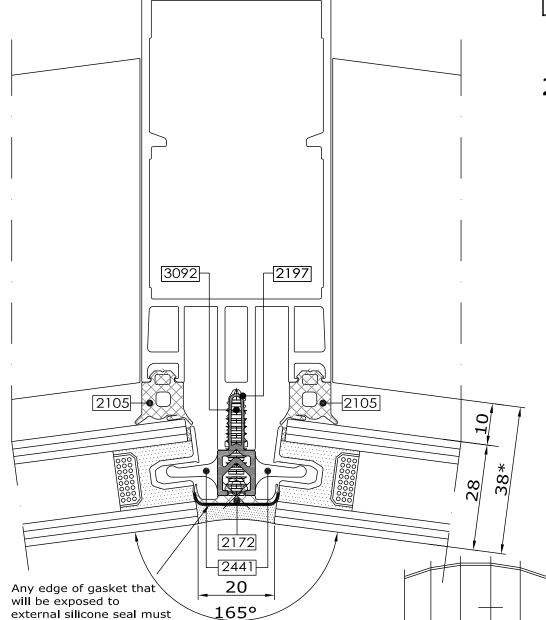
Typical details

Comar 6EFT

Mullion detail Facetted facade 7.5° maximum

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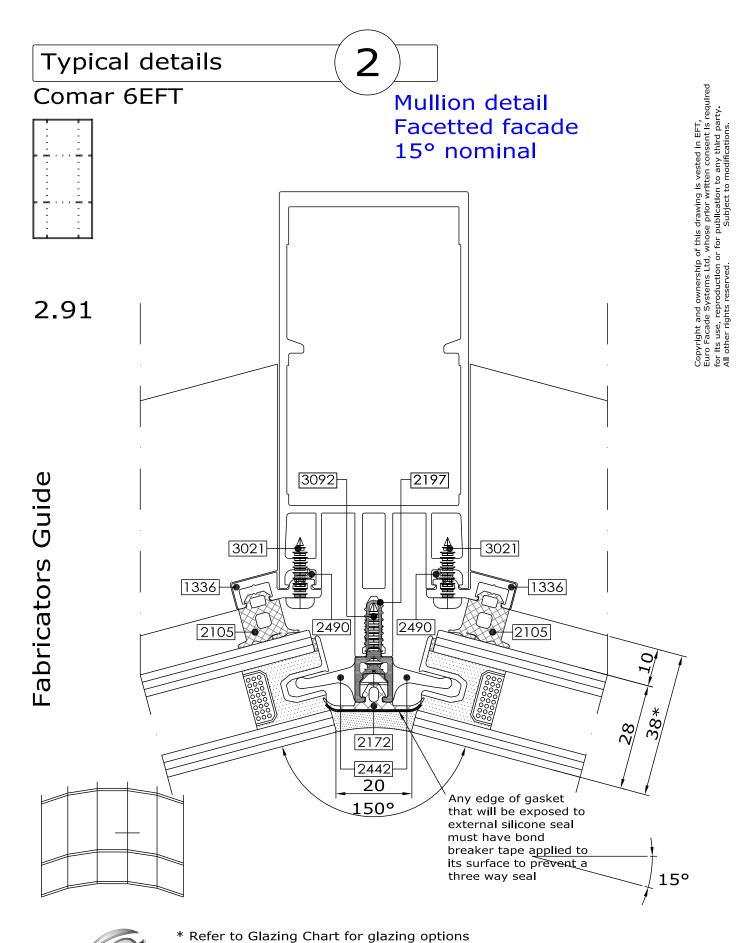


* Refer to Glazing Chart for glazing options

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have bond breaker tape applied to its surface to prevent a three way seal



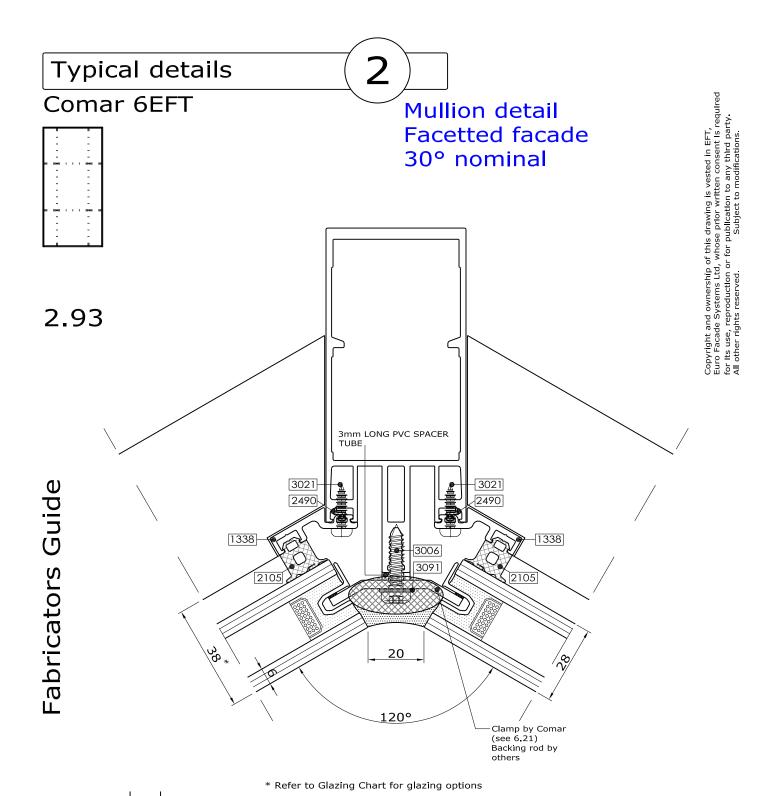


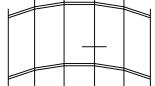


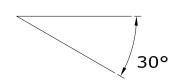
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2.94

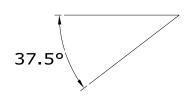
Fabricators Guide

2,5mm LONG PVC SPACER 3021 3021 1339 20

* Refer to Glazing Chart for glazing options

105°

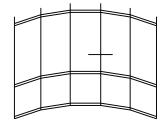
Clamp by Comar (see 6.21) Backing rod by others



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Mullion detail

Facetted facade 37.5° nominal



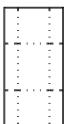
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Typical details

2

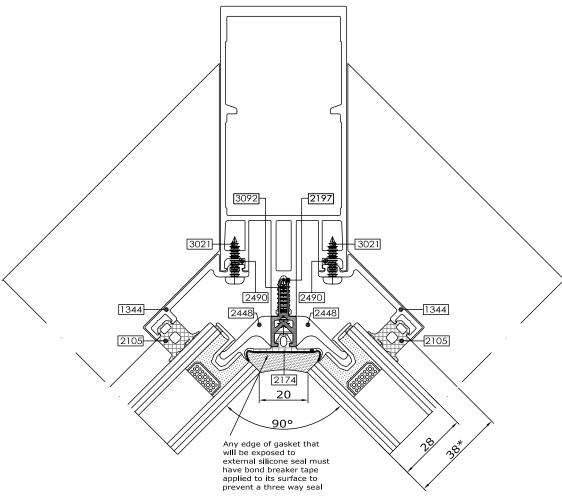
Comar 6EFT



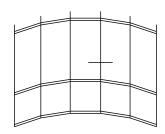
Mullion detail Facetted facade 45° nominal

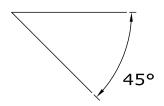
2.95

Fabricators Guide



* Refer to Glazing Chart for glazing options







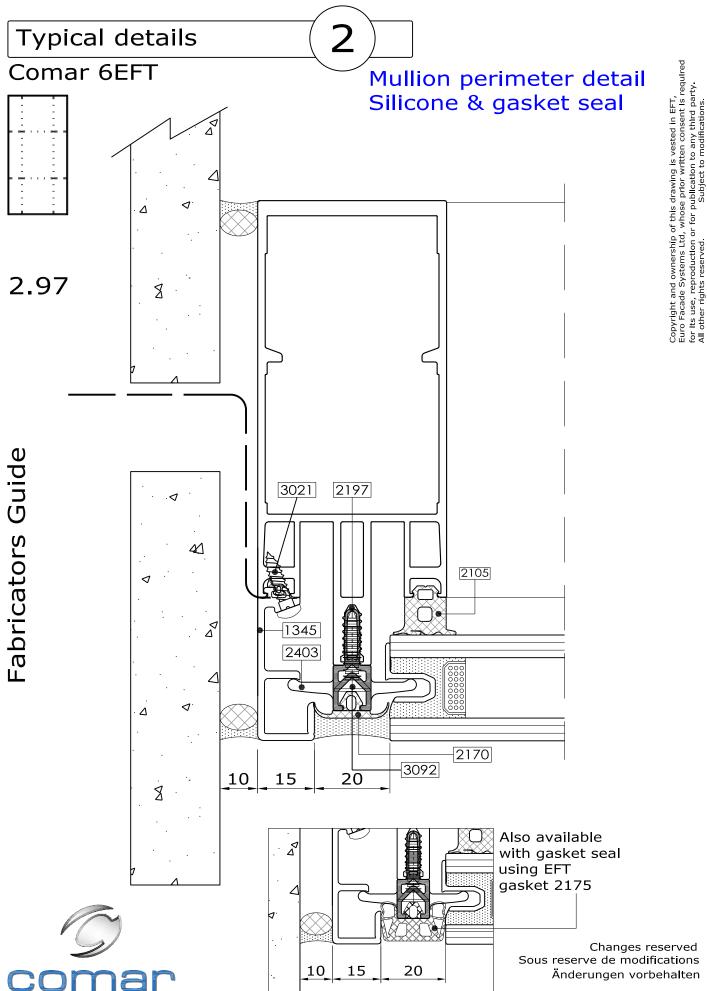
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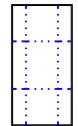
Date: 09-14

ARCHITECTURAL ALUMINIUM SYSTEMS



Comar 6EFT

Transom sill detail Silicone & gasket seal



2.98

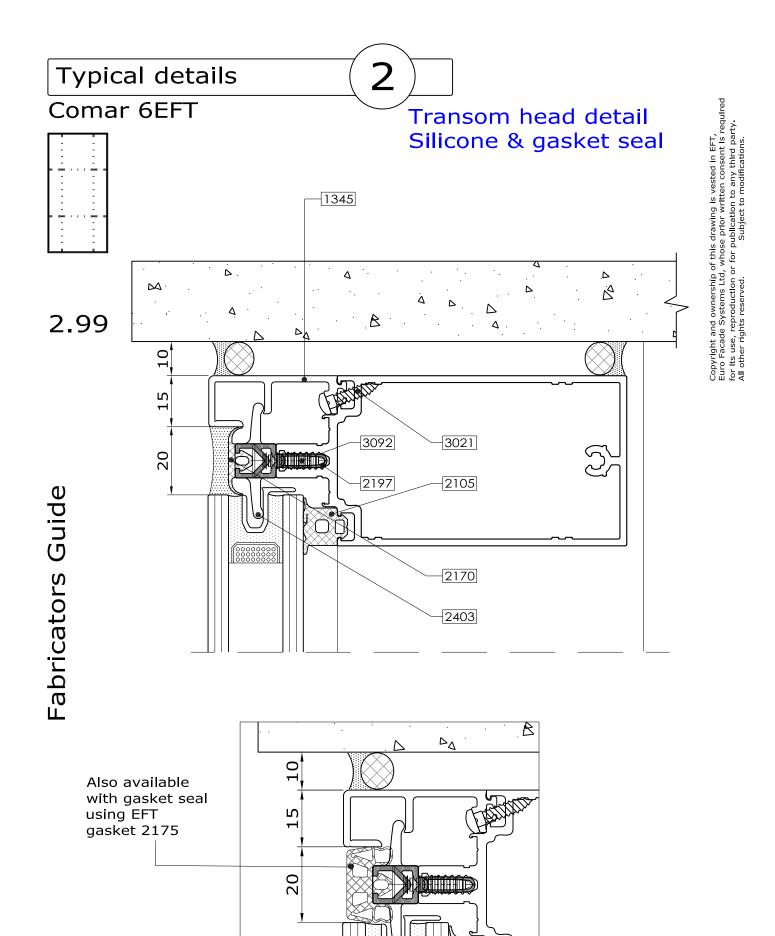
2105 2300 2170 3021 20 2197 3092 Ŋ 2403 1345 20 Ŋ Also available with gasket seal using EFT gasket 2175

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