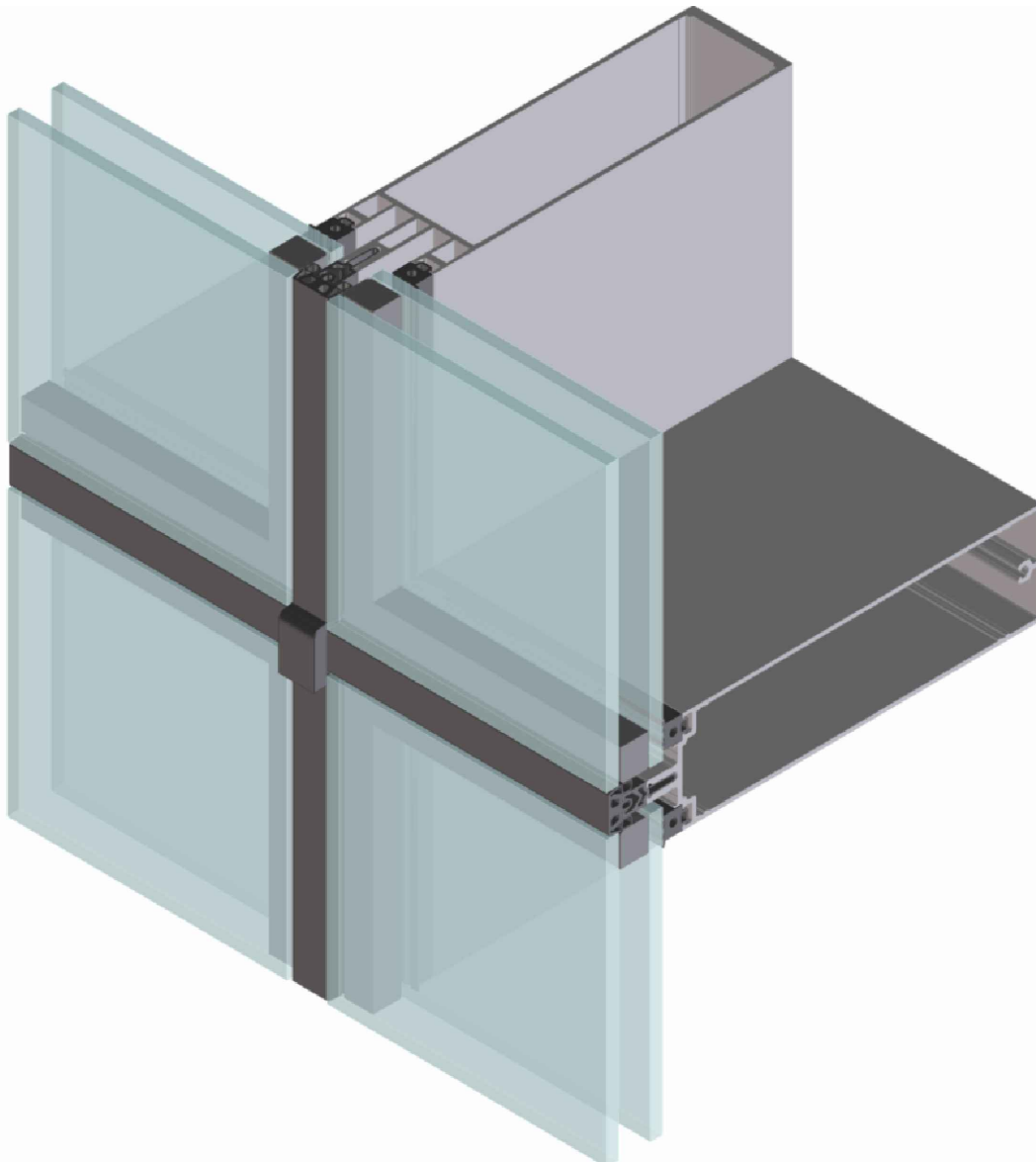
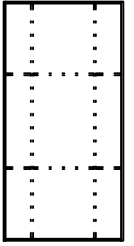


4sided SG

2

Typical details

Comar 6EFT



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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/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 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.

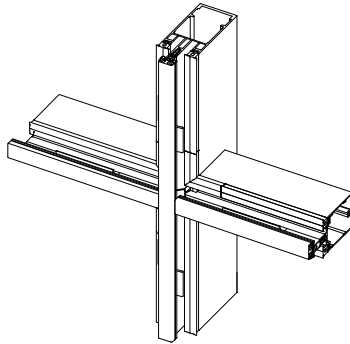
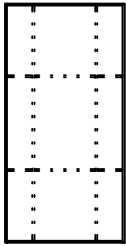
Size limitations

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

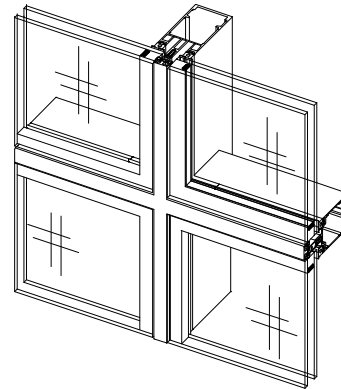
Typical details

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Comar 6EFT

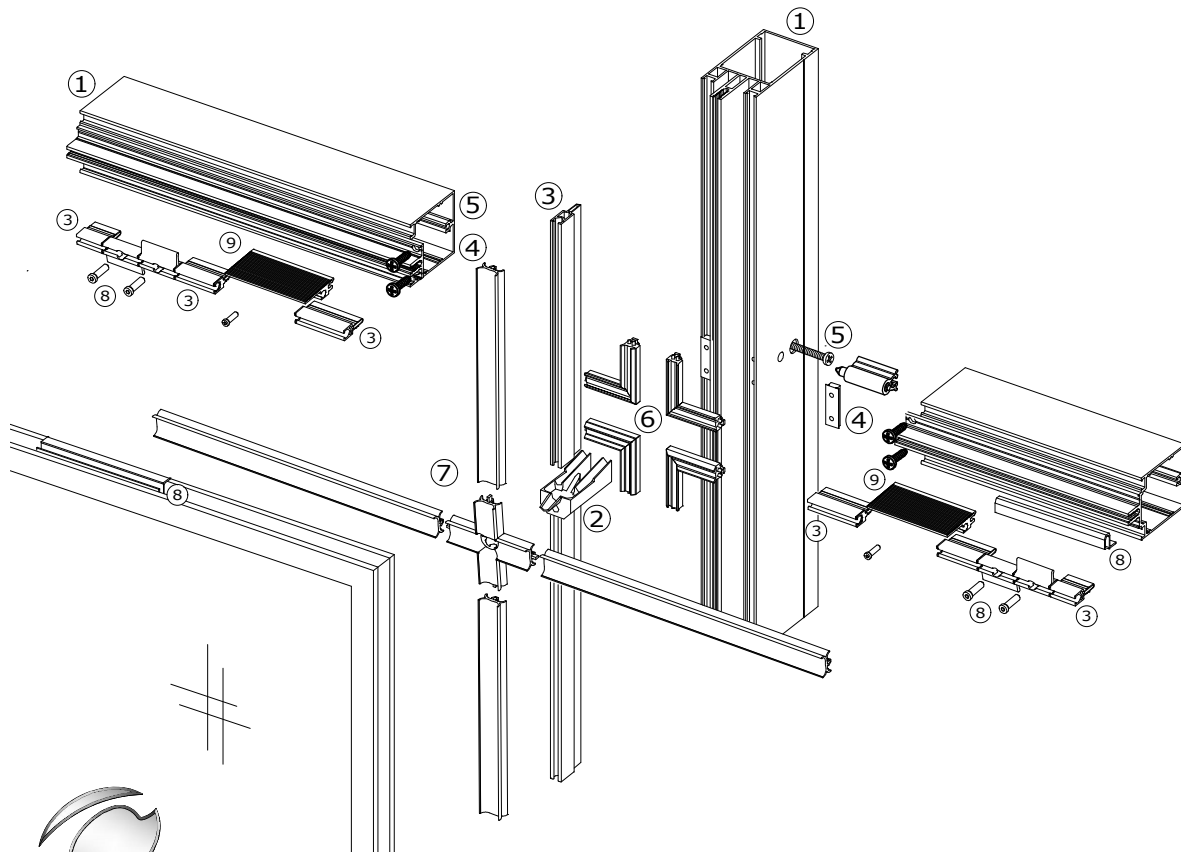


Typical Exploded Detail Four Sided Structural EFT (4sided SG)



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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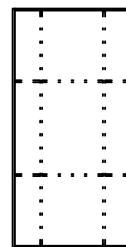
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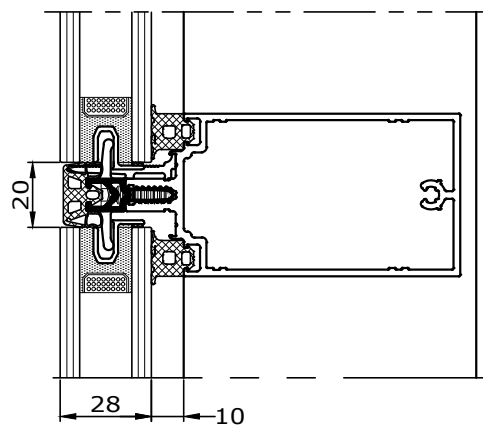
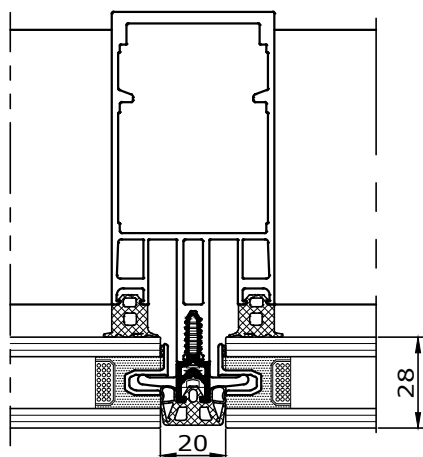
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Four sided structural glazing (4sided SG)

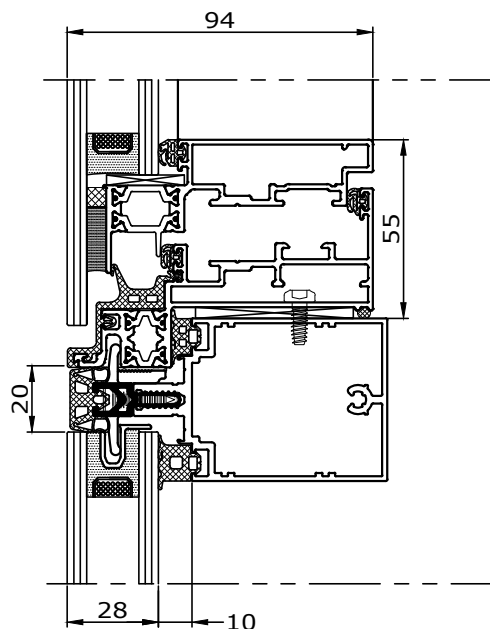
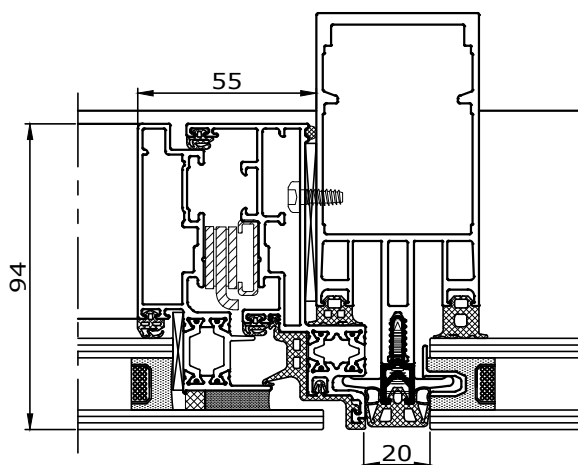
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Including Comar 6EFT Concealed Vent



For concealed vent details, refer to
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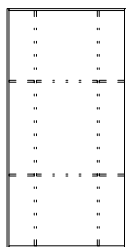
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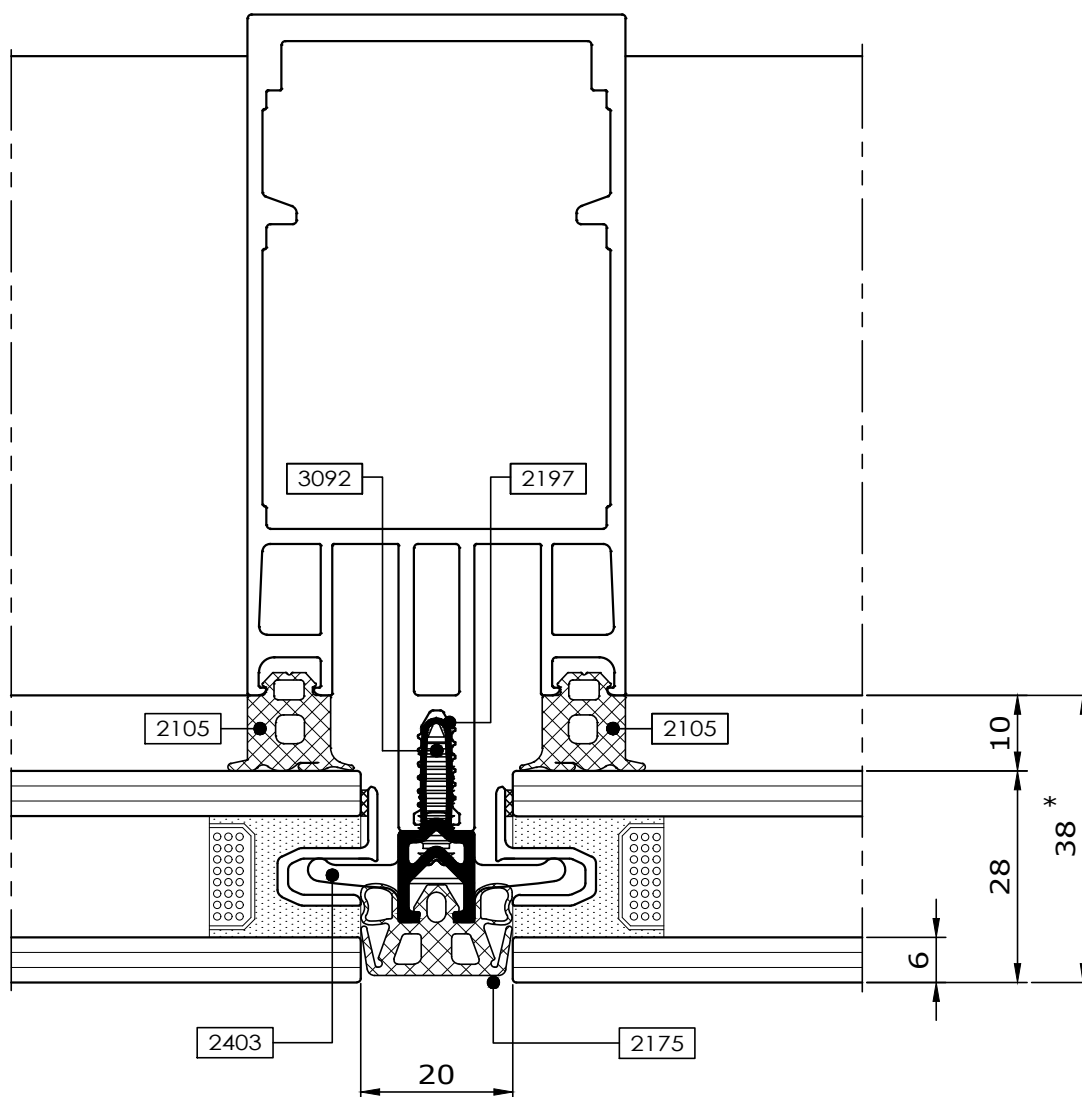
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Mullion detail EPDM gasket seal



2.57

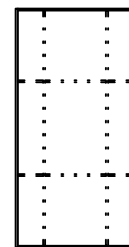
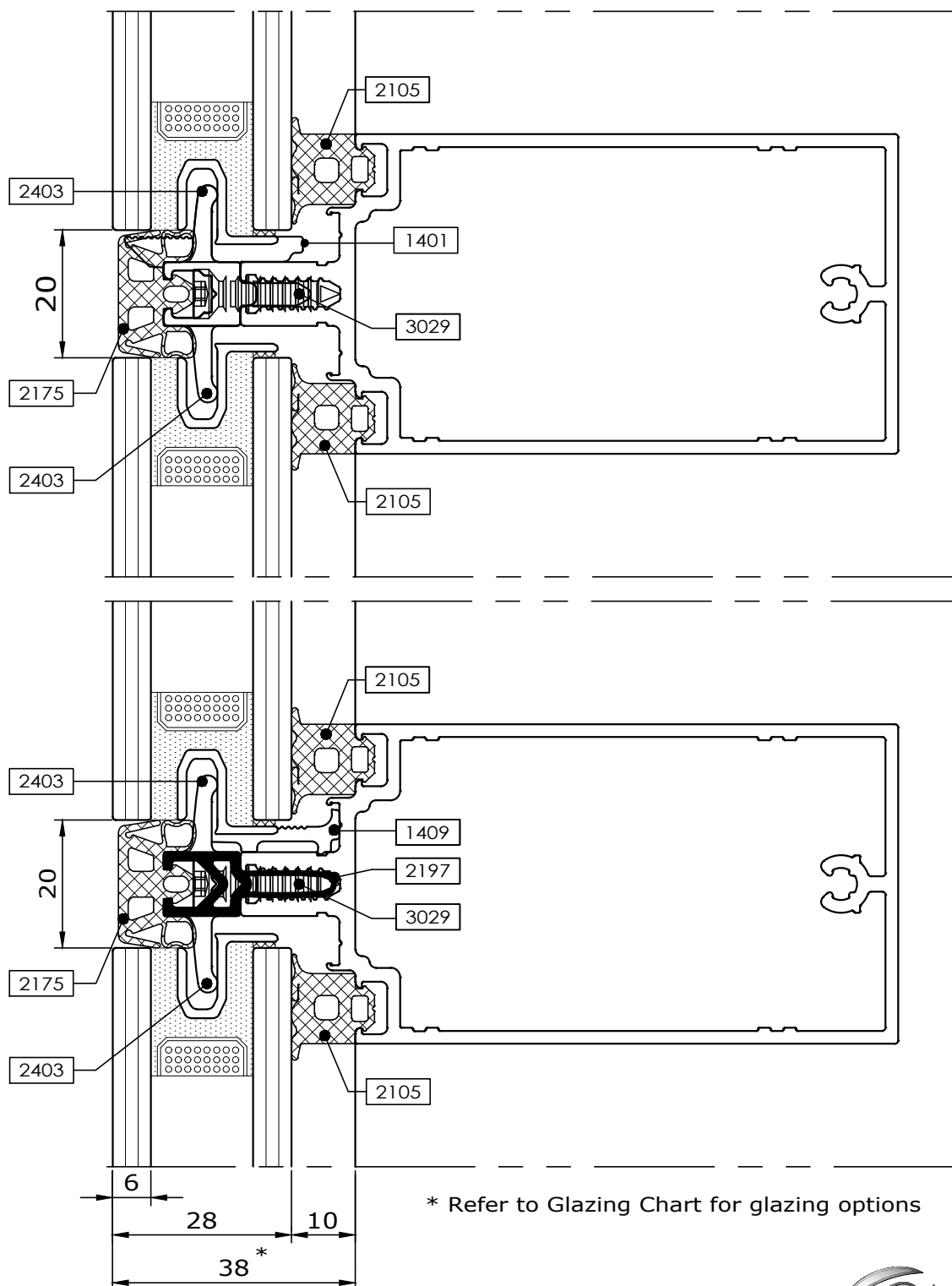
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* Refer to Glazing Chart for glazing options

Transom detail EPDM gasket seal

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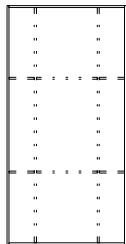
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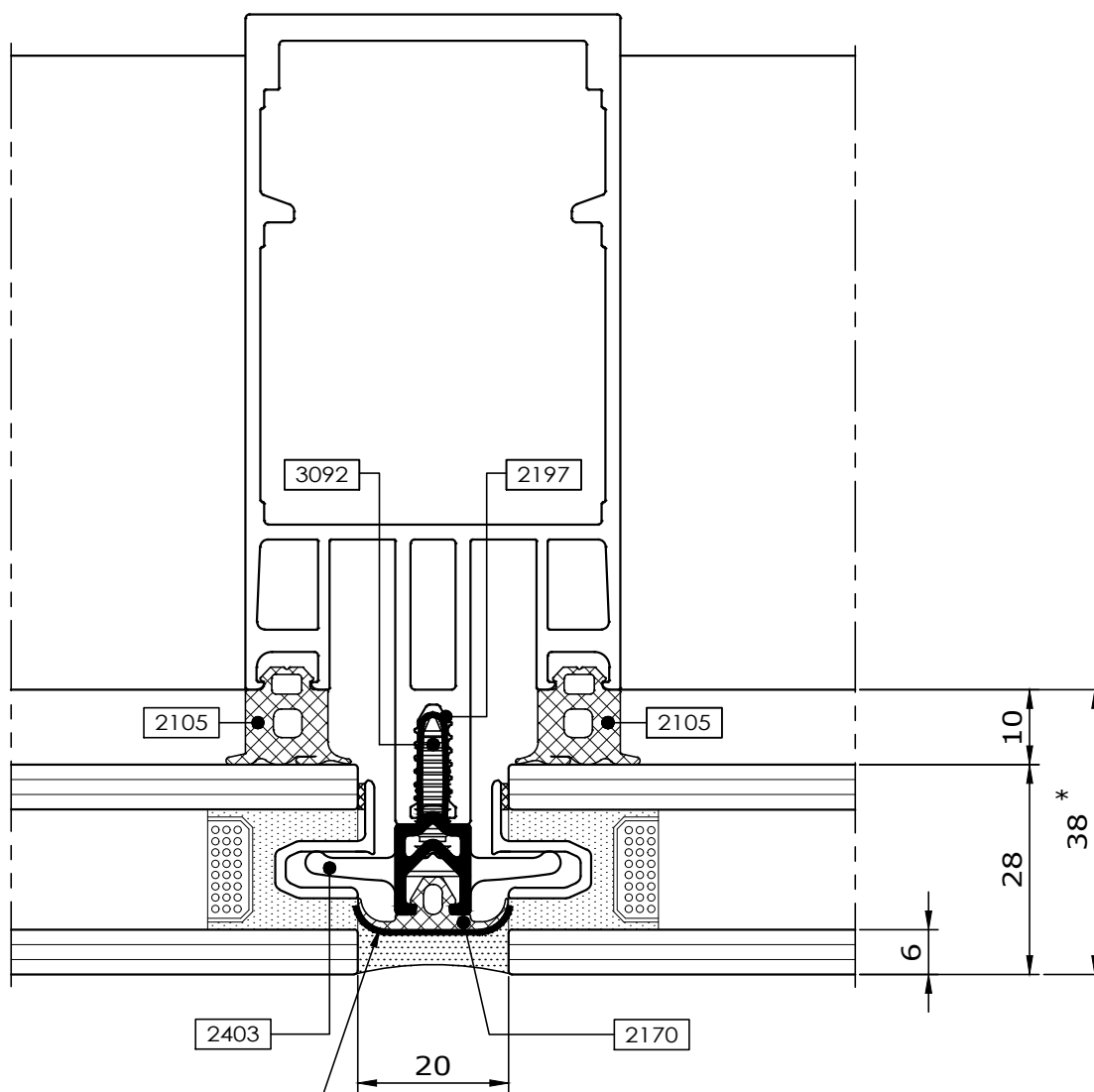
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Mullion detail Silicone seal



2.59

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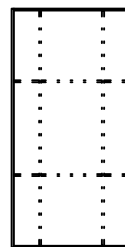
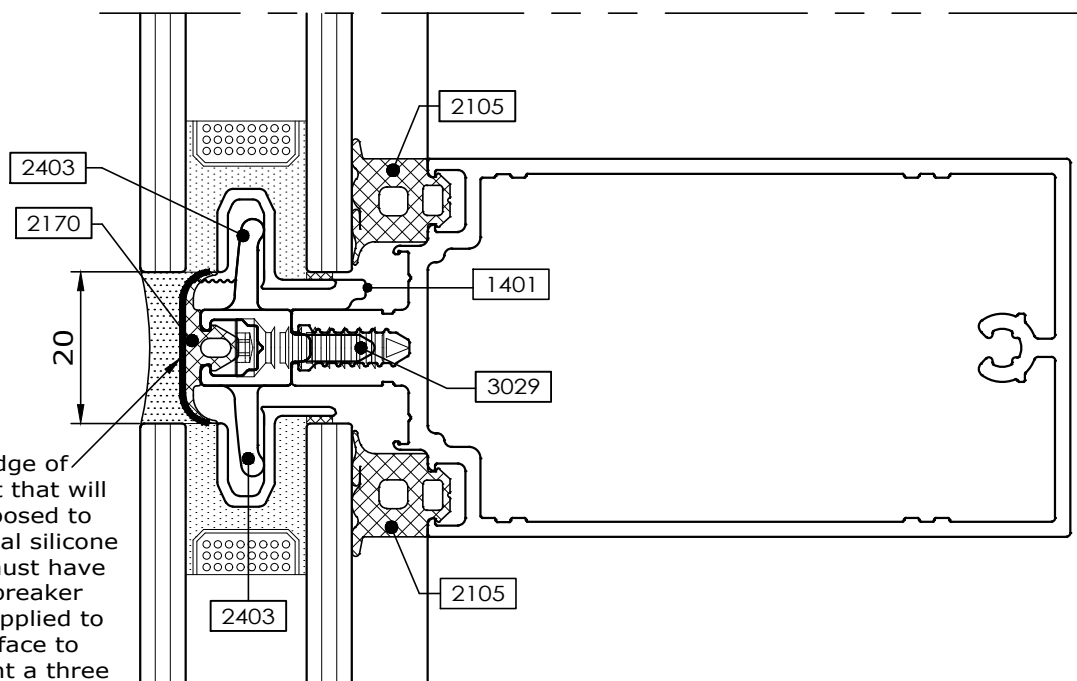
Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

* Refer to Glazing Chart for glazing options

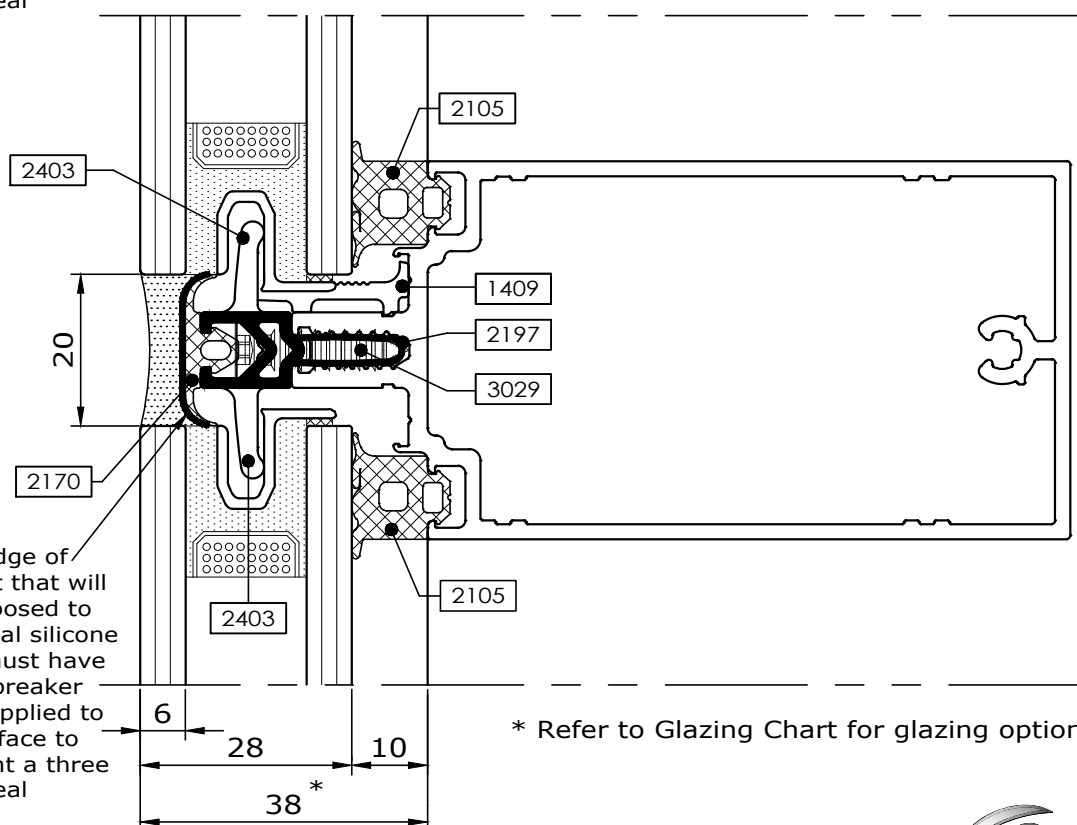
Transom detail Silicone seal

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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



2.60



* Refer to Glazing Chart for glazing options

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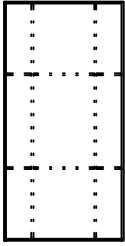
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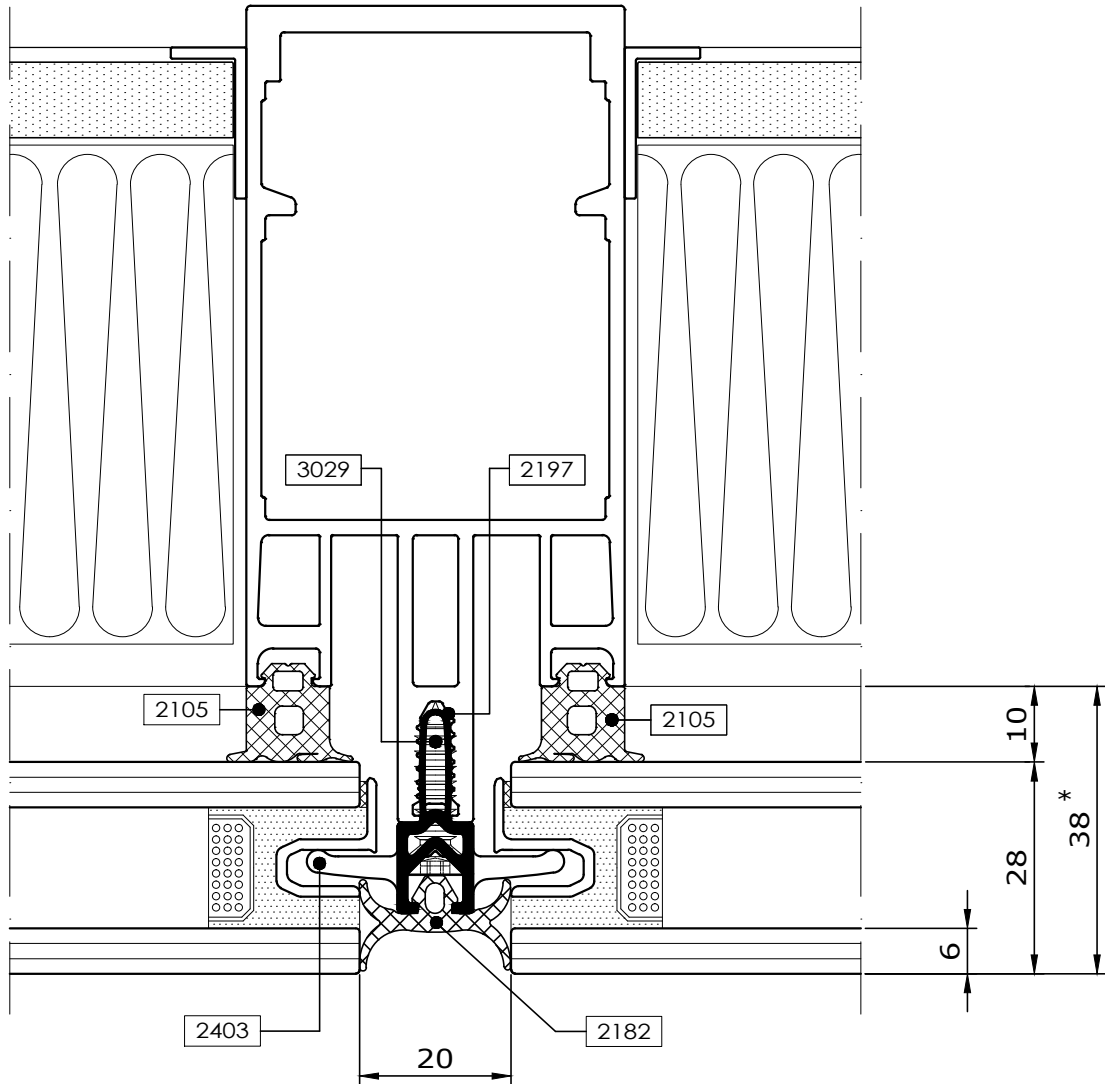
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Mullion detail
EPDM gasket seal



2.61

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* Refer to Glazing Chart for glazing options



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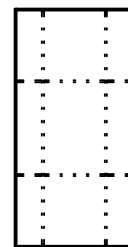
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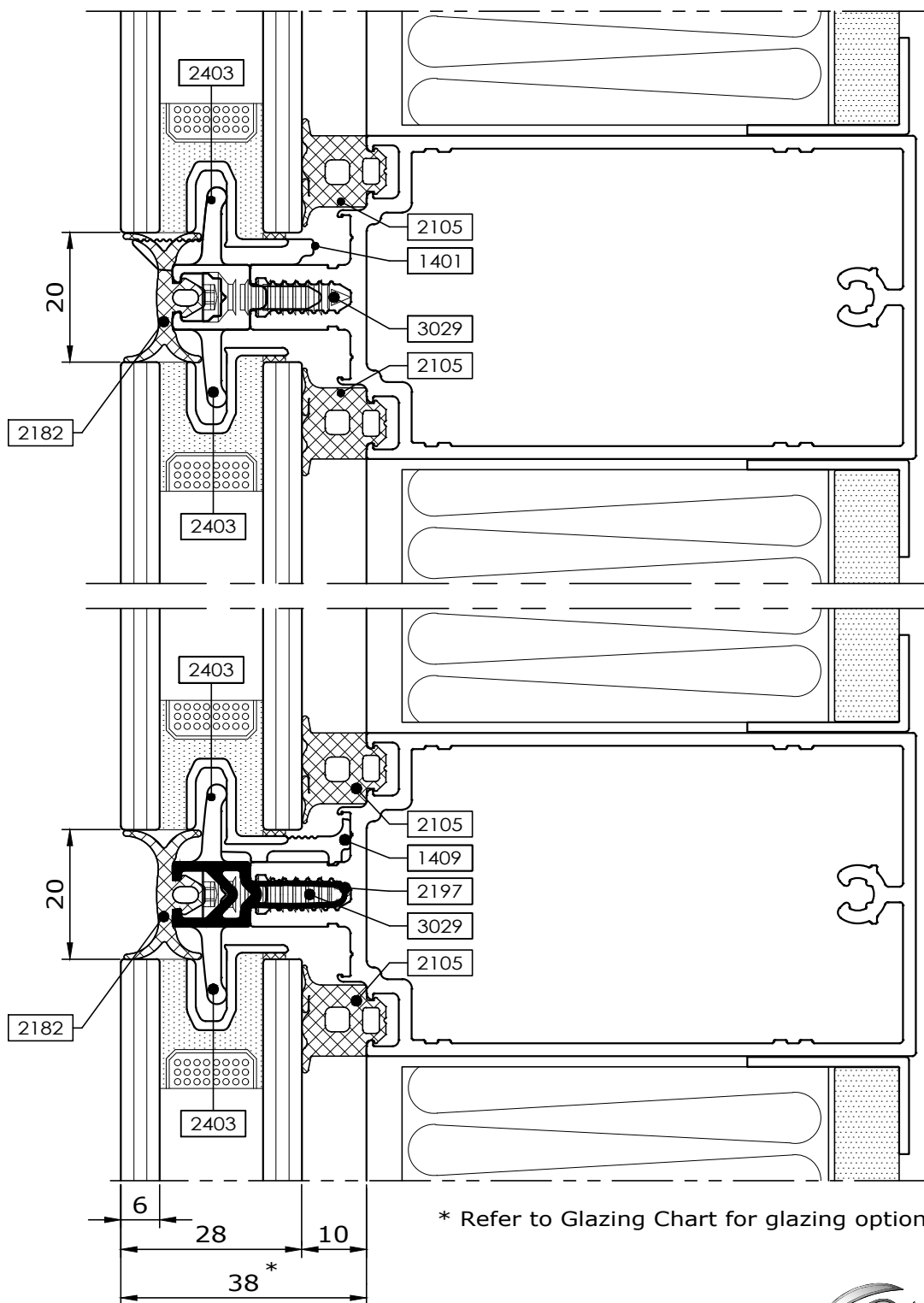
Typical details

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Transom detail



2.62



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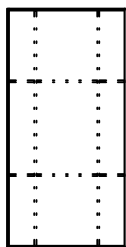
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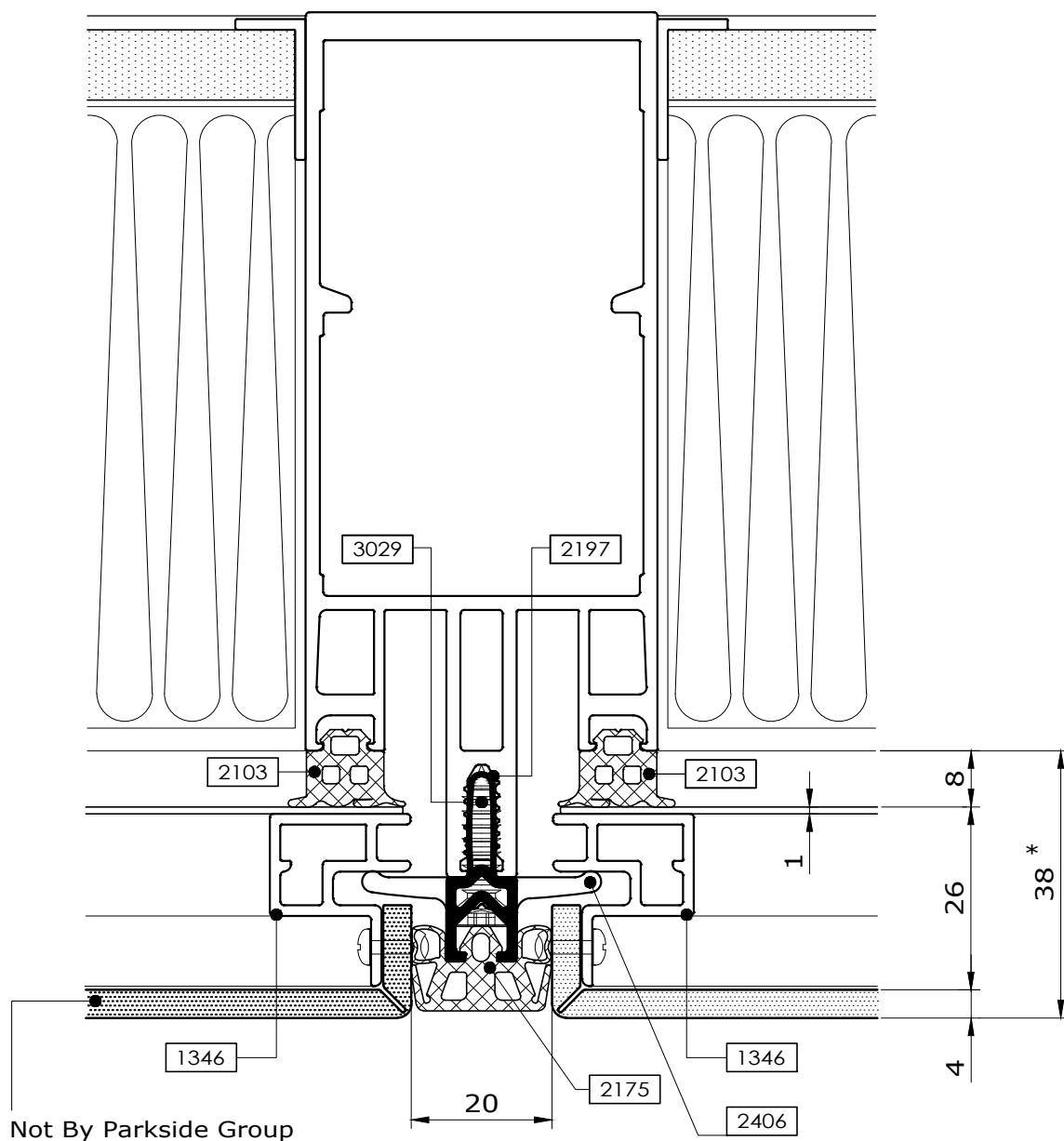
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Mullion detail
Panel frame 1346



2.63

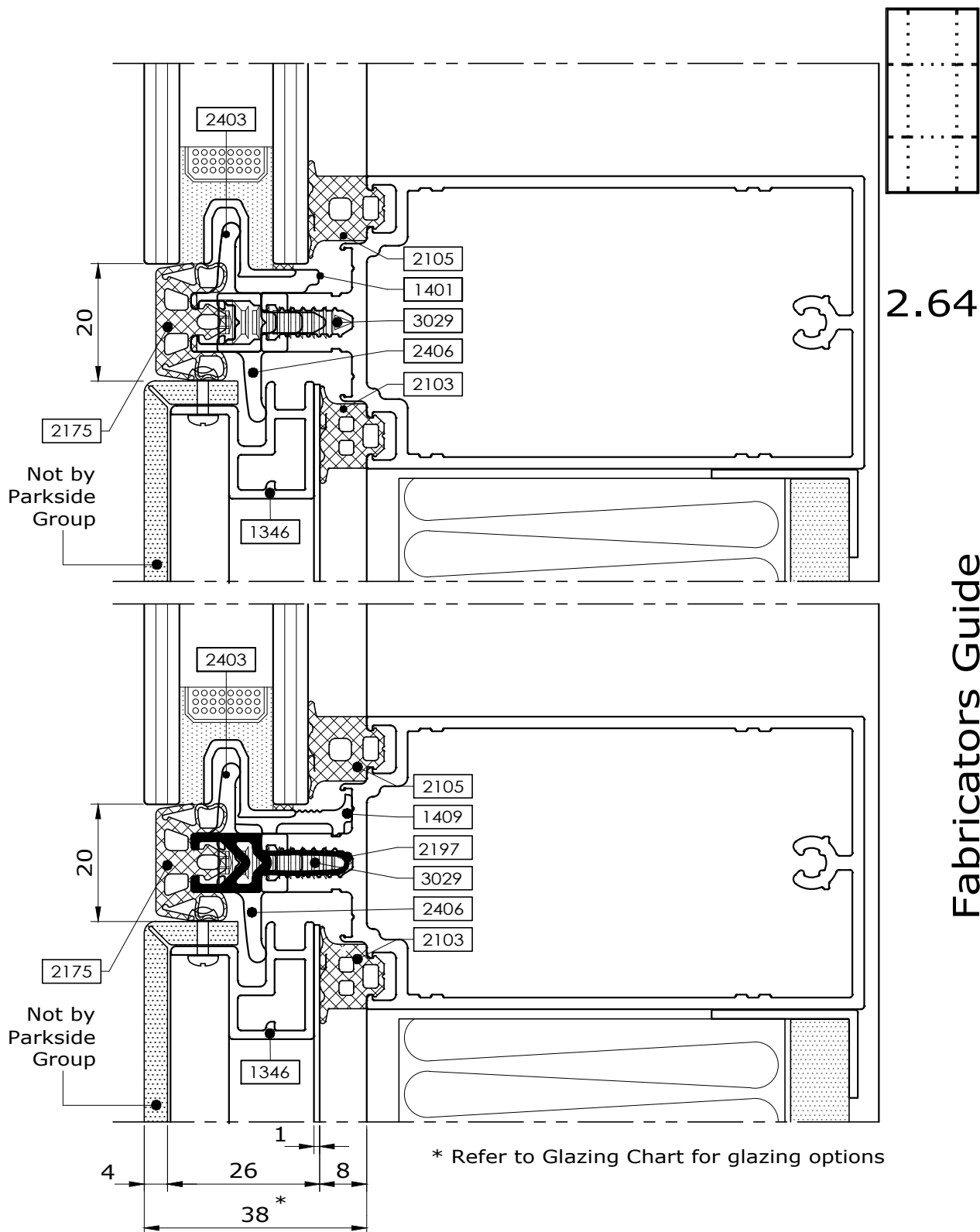
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* Refer to Glazing Chart for glazing options

Transom detail 1346

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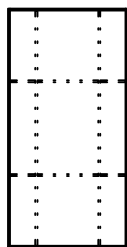
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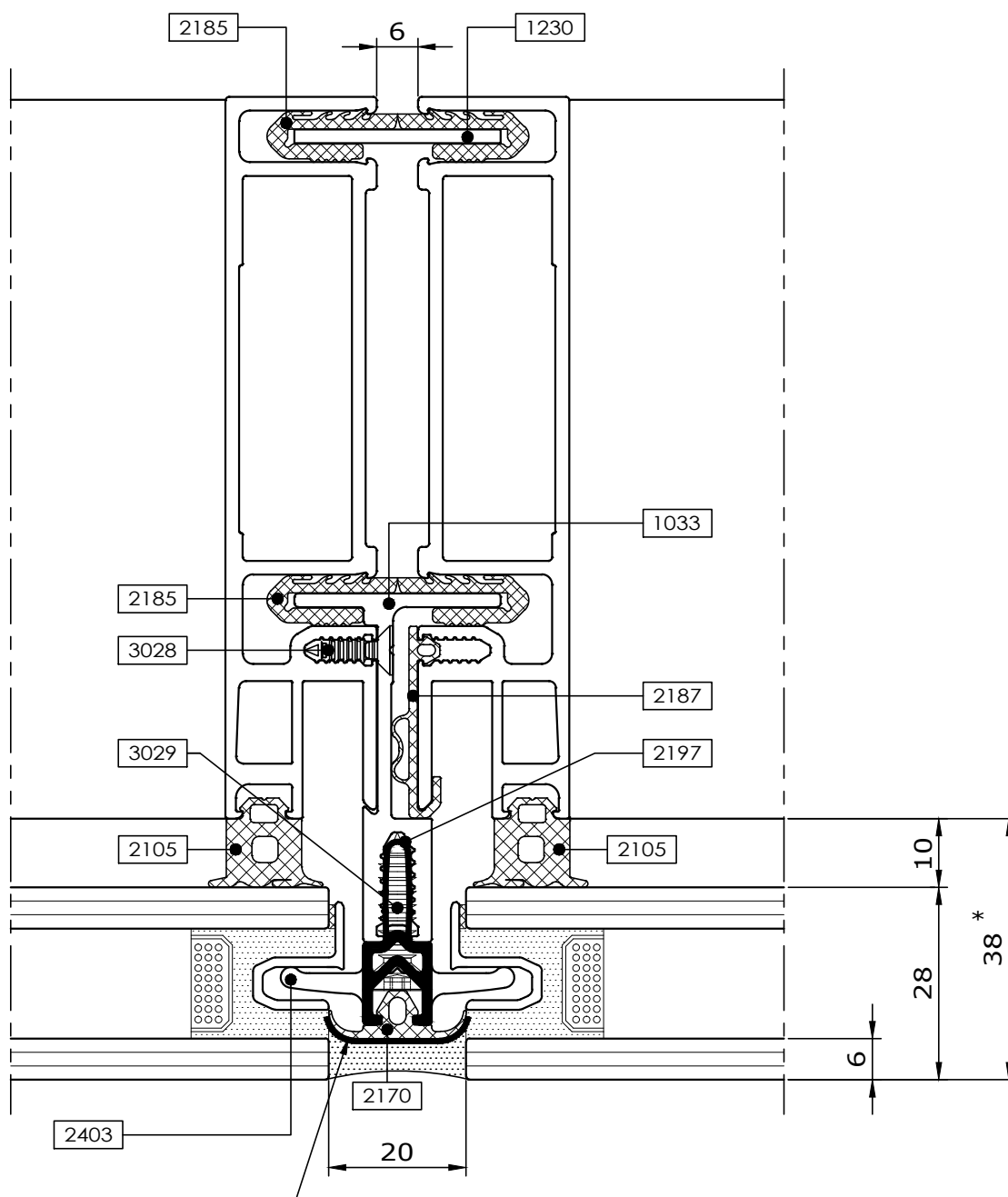
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Split mullion detail Silicone seal



2.65

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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



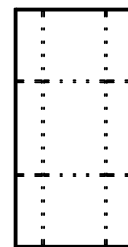
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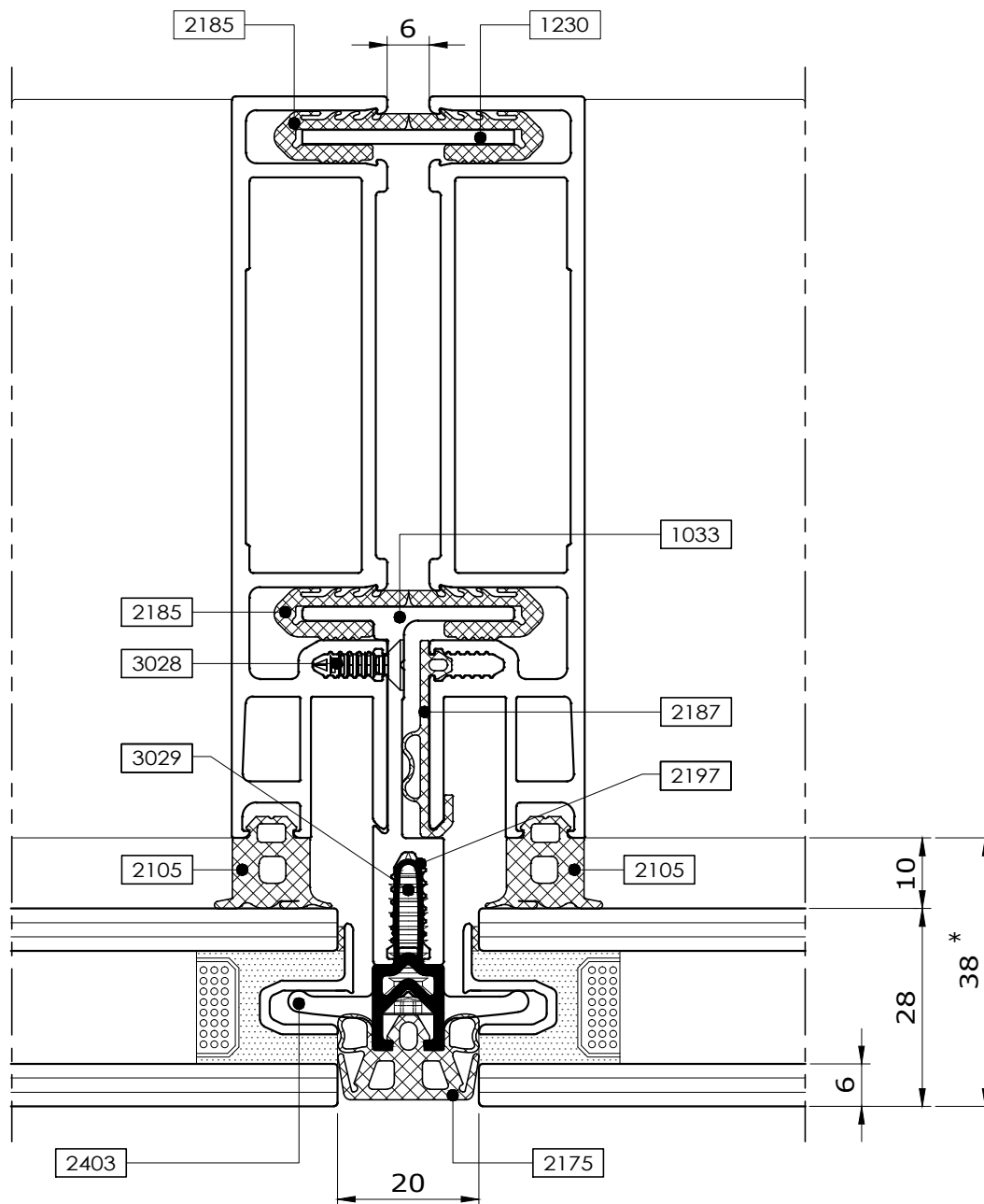
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Split mullion details EPDM gasket seal



2.66



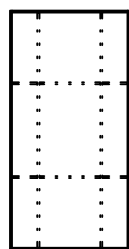
* Refer to Glazing Chart for glazing options

Typical details

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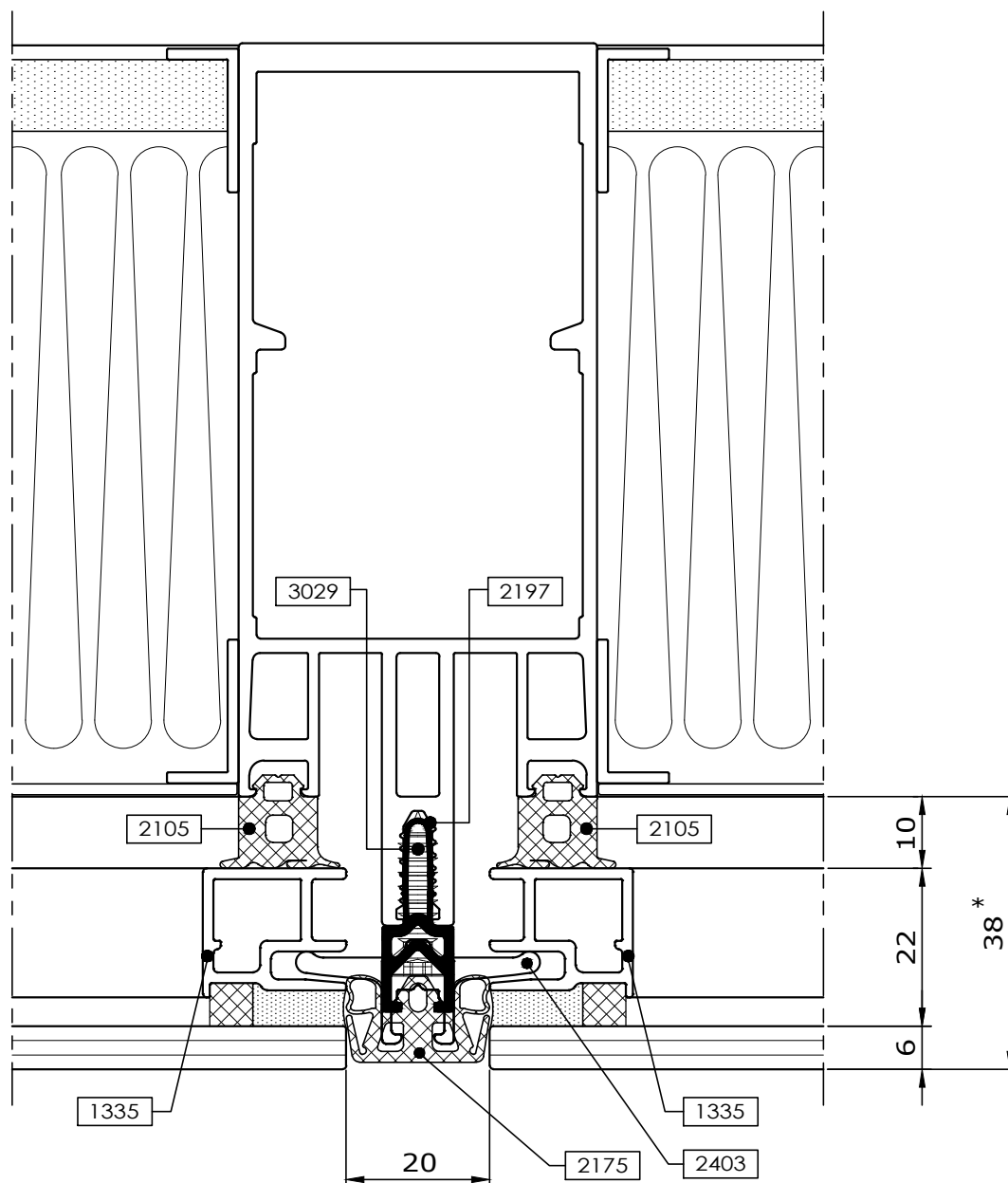
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Mullion detail
Single Glazed
EPDM Gasket seal



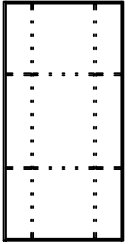
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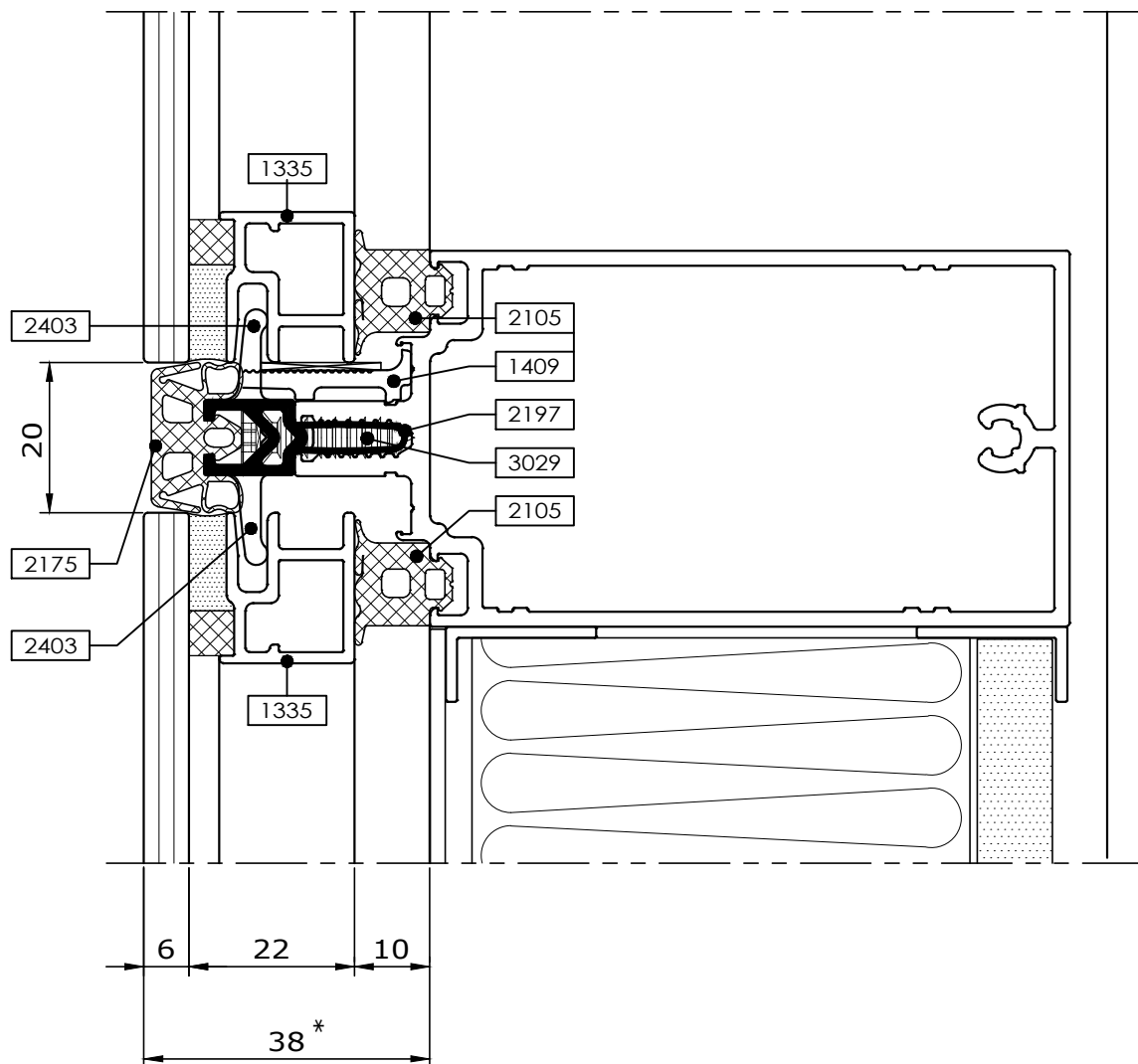


* Refer to Glazing Chart for glazing options

Transom detail
Single glazed
EPDM gasket seal



2.68



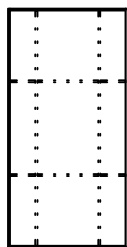
* Refer to Glazing Chart for glazing options

Typical details

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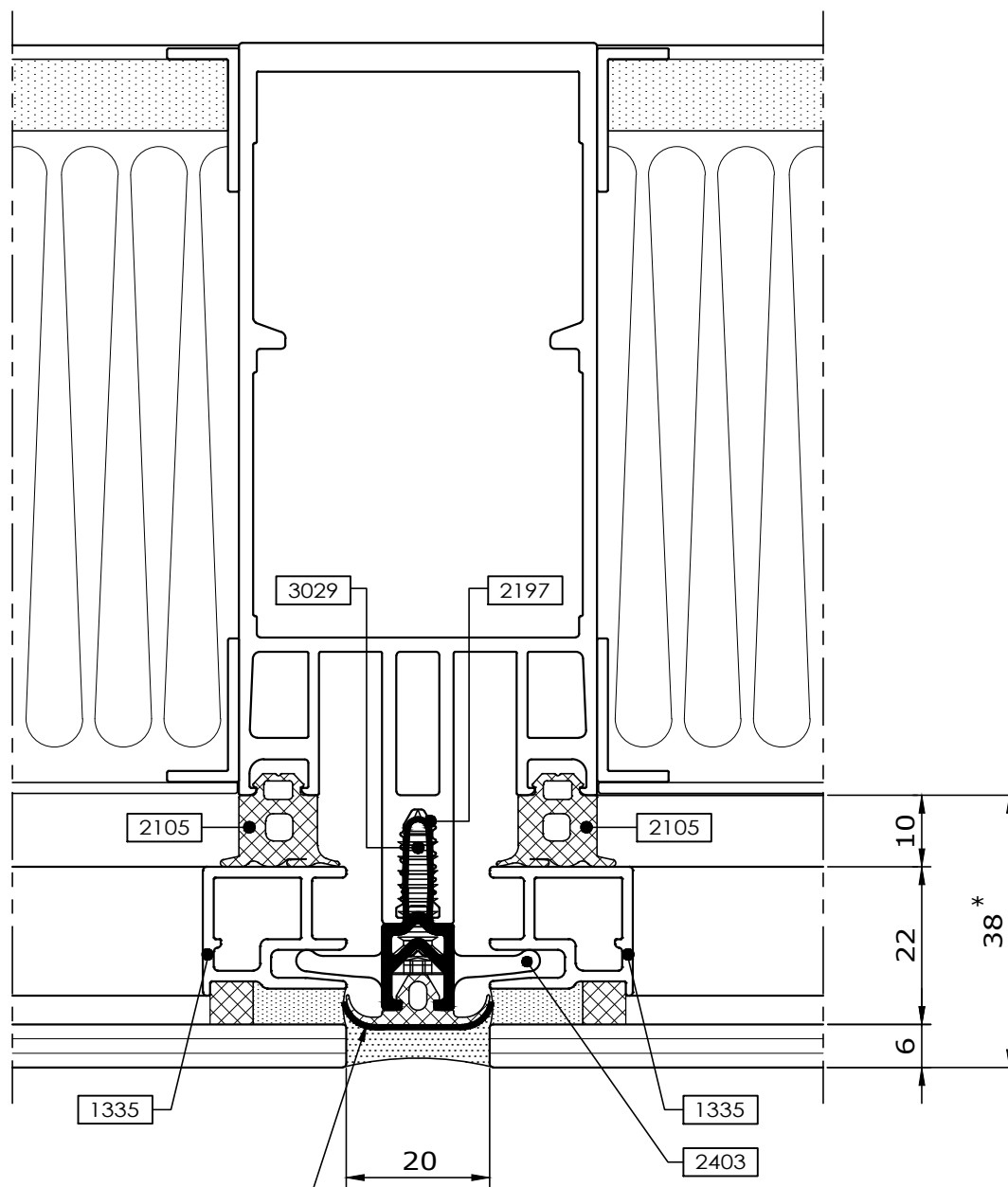
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Mullion detail
Single glazed
Silicone seal



2.69

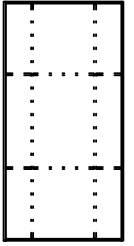
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Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

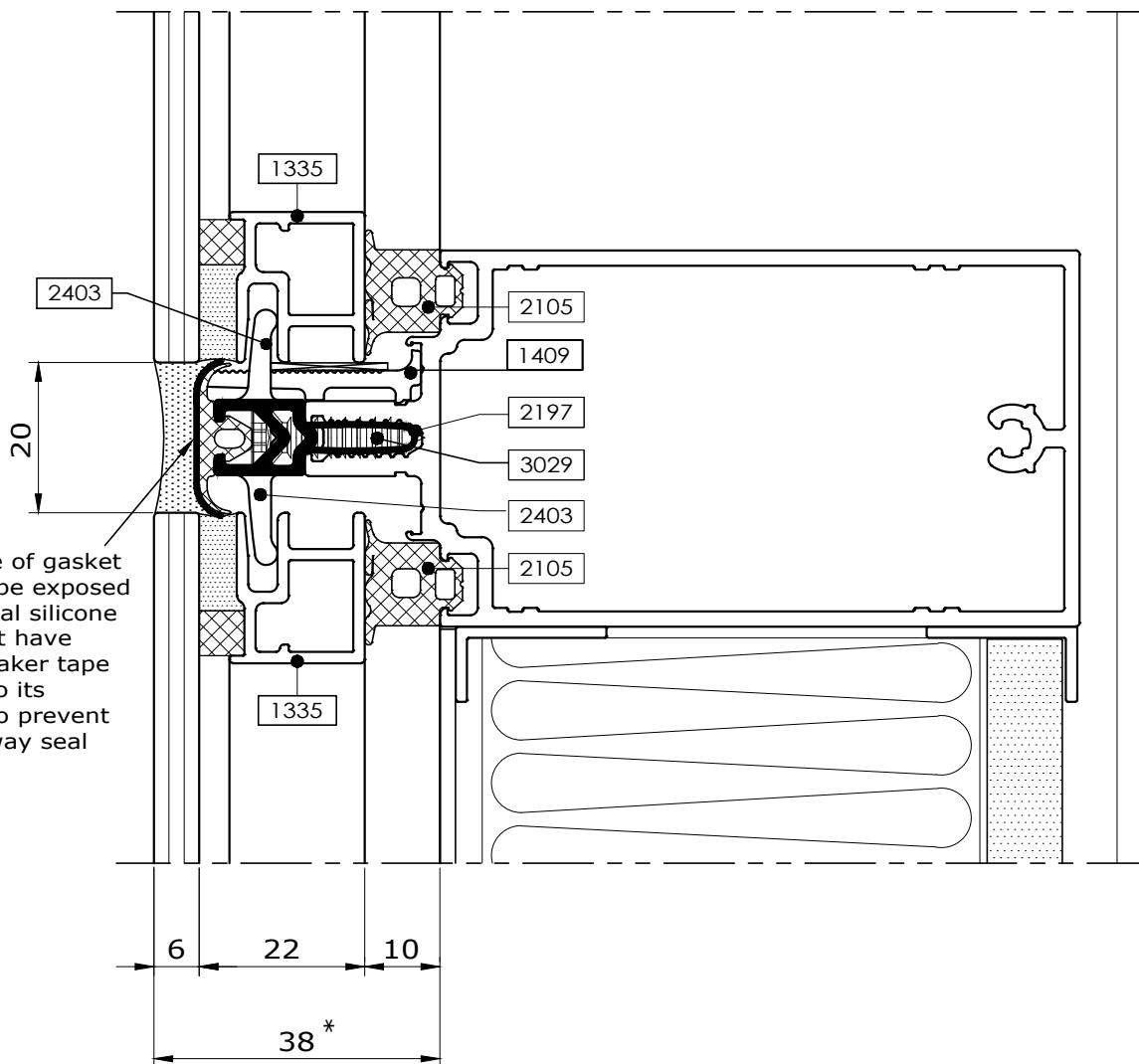
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Transom detail
Single glazed
Silicone seal



2.70

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



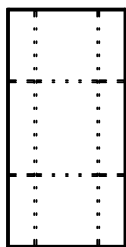
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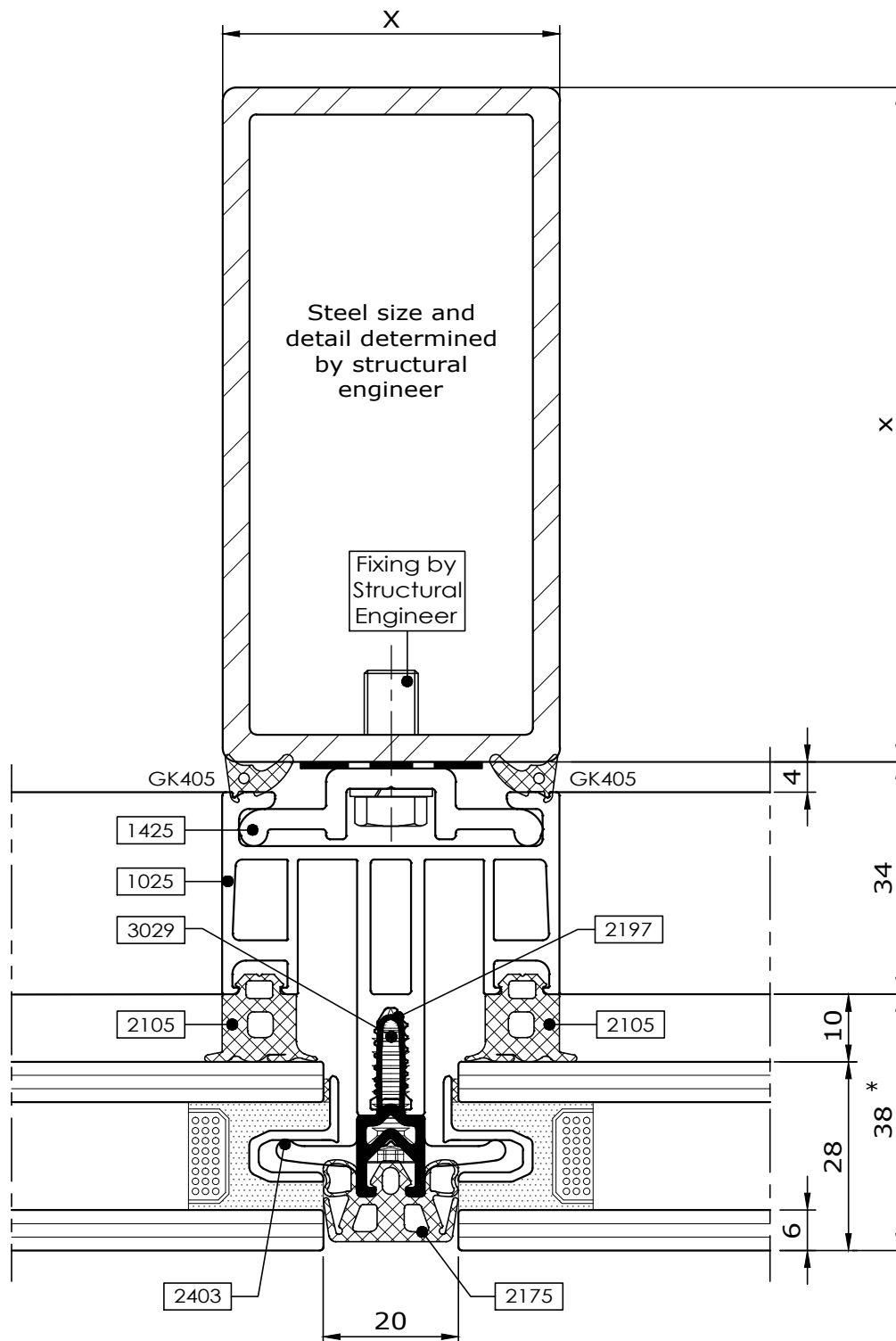
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Mullion details
Direct fix to steel
EPDM Gasket seal



2.71

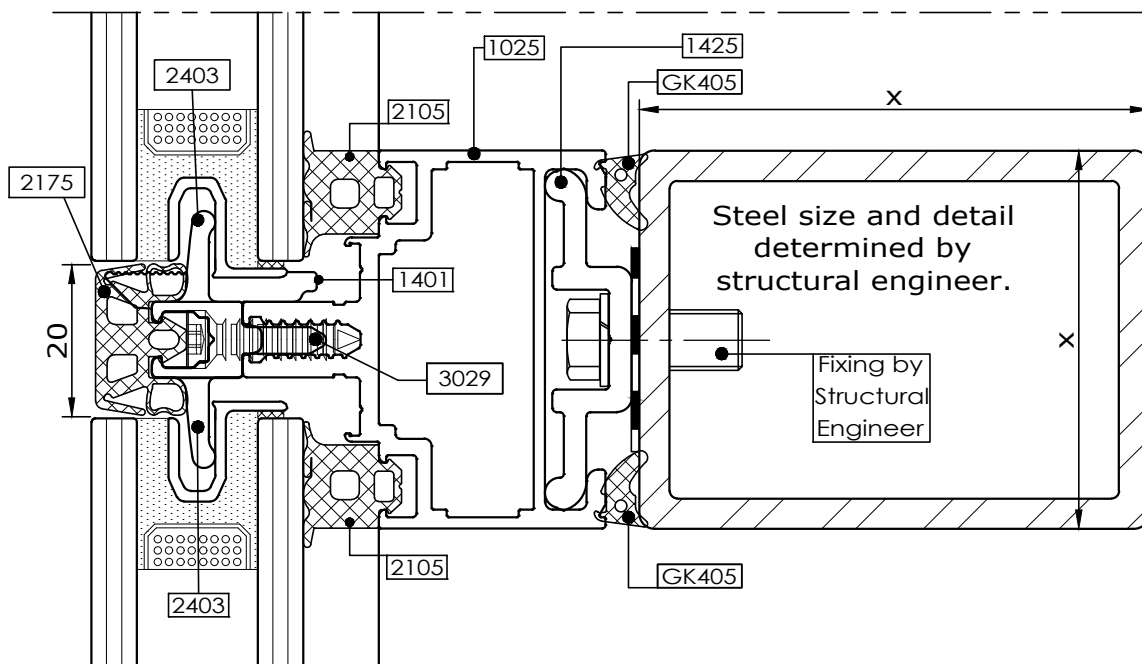
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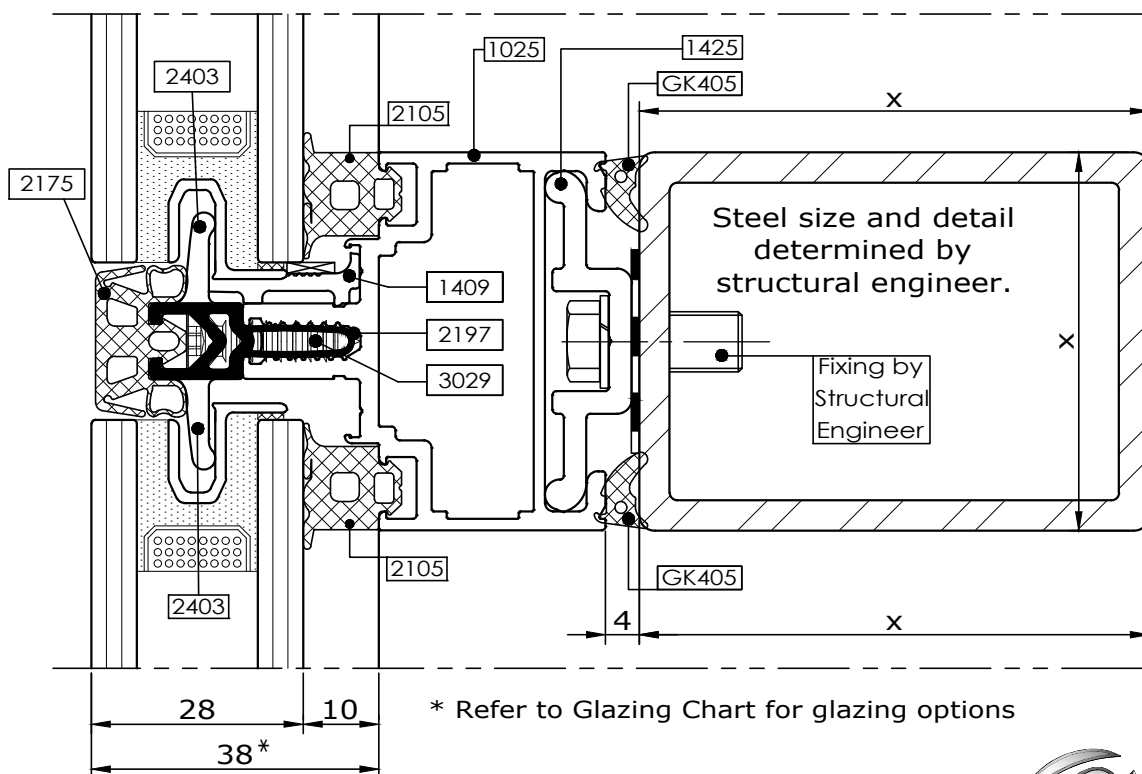
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Transom detail Direct fix to steel EPDM gasket seal

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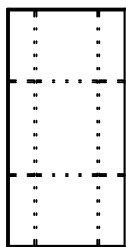
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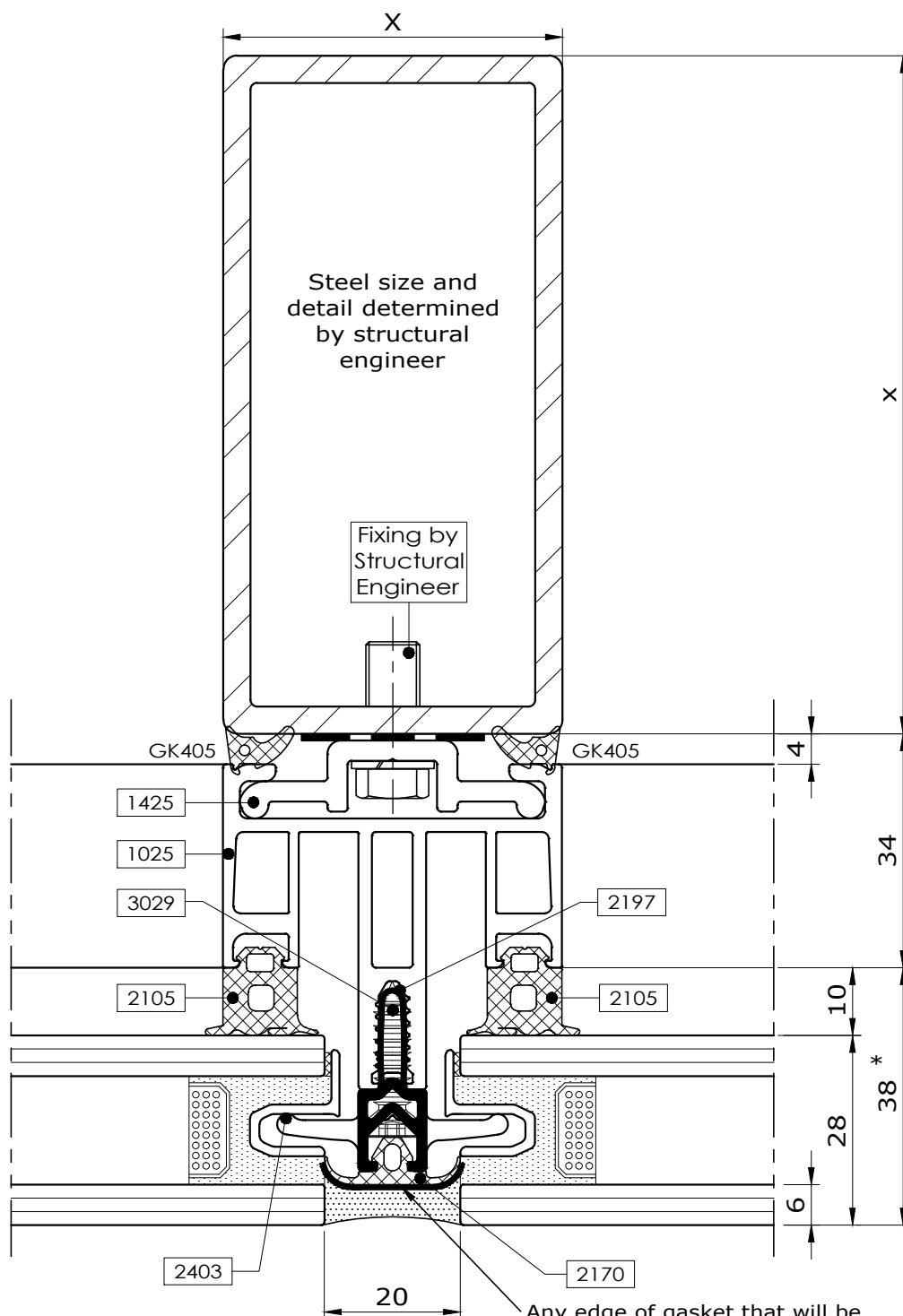
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Mullion detail
Direct fix to steel
Silicone seal



2.73

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* 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



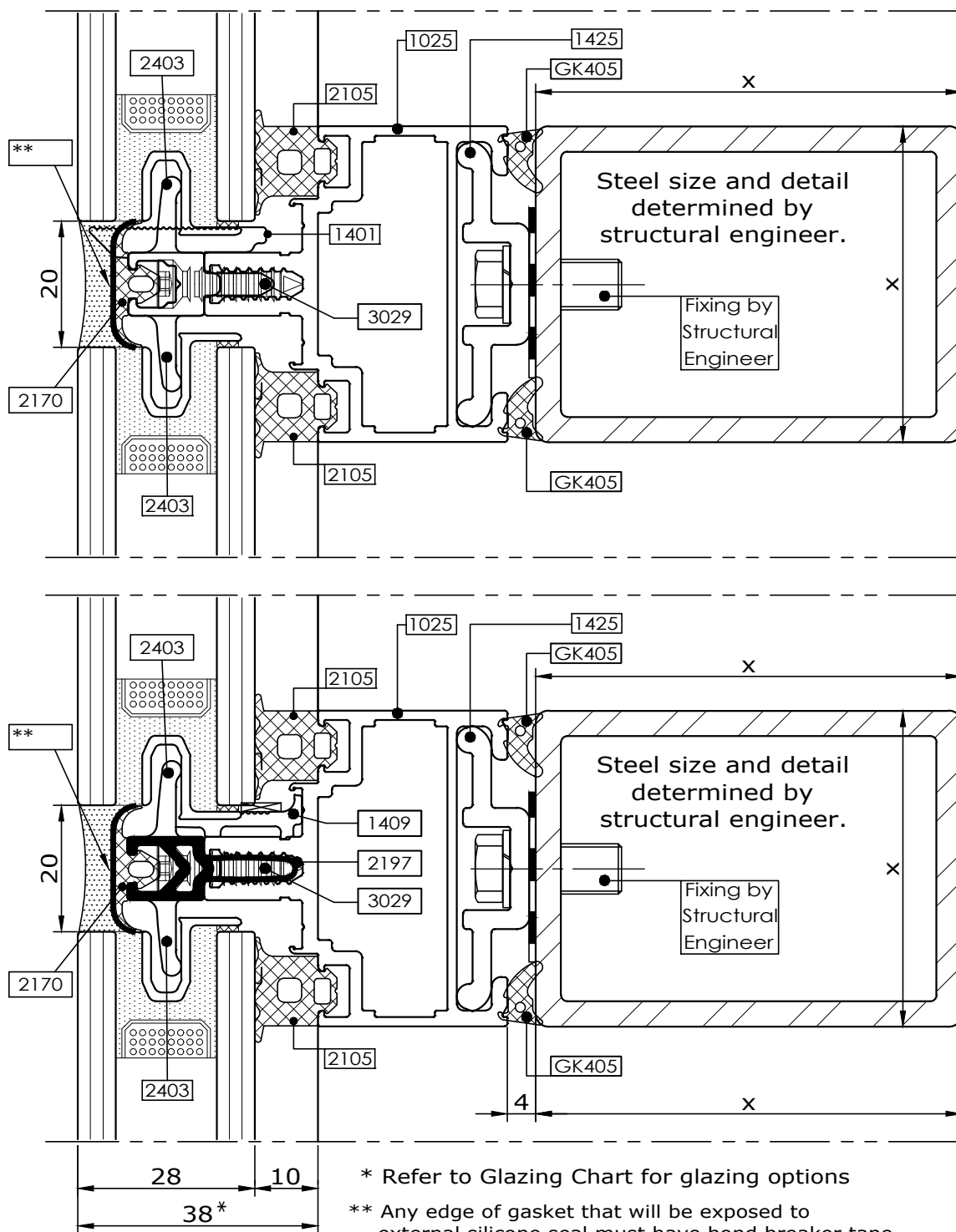
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Transom detail Direct fix to steel Silicone seal

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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

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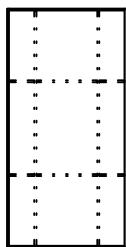
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Typical details

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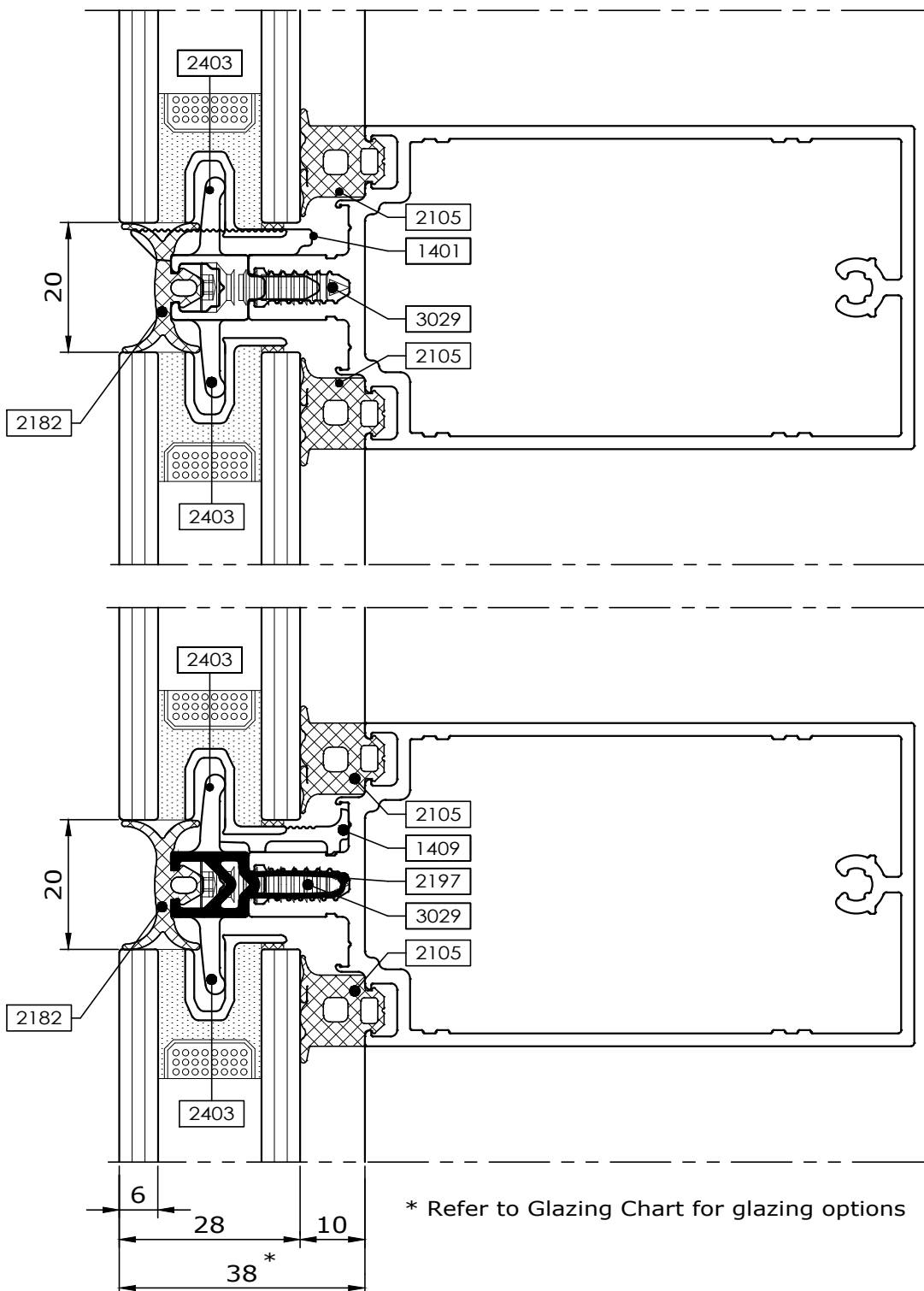
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Transom detail.
Gasket seal



2.75

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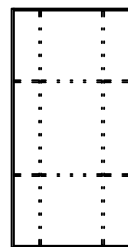
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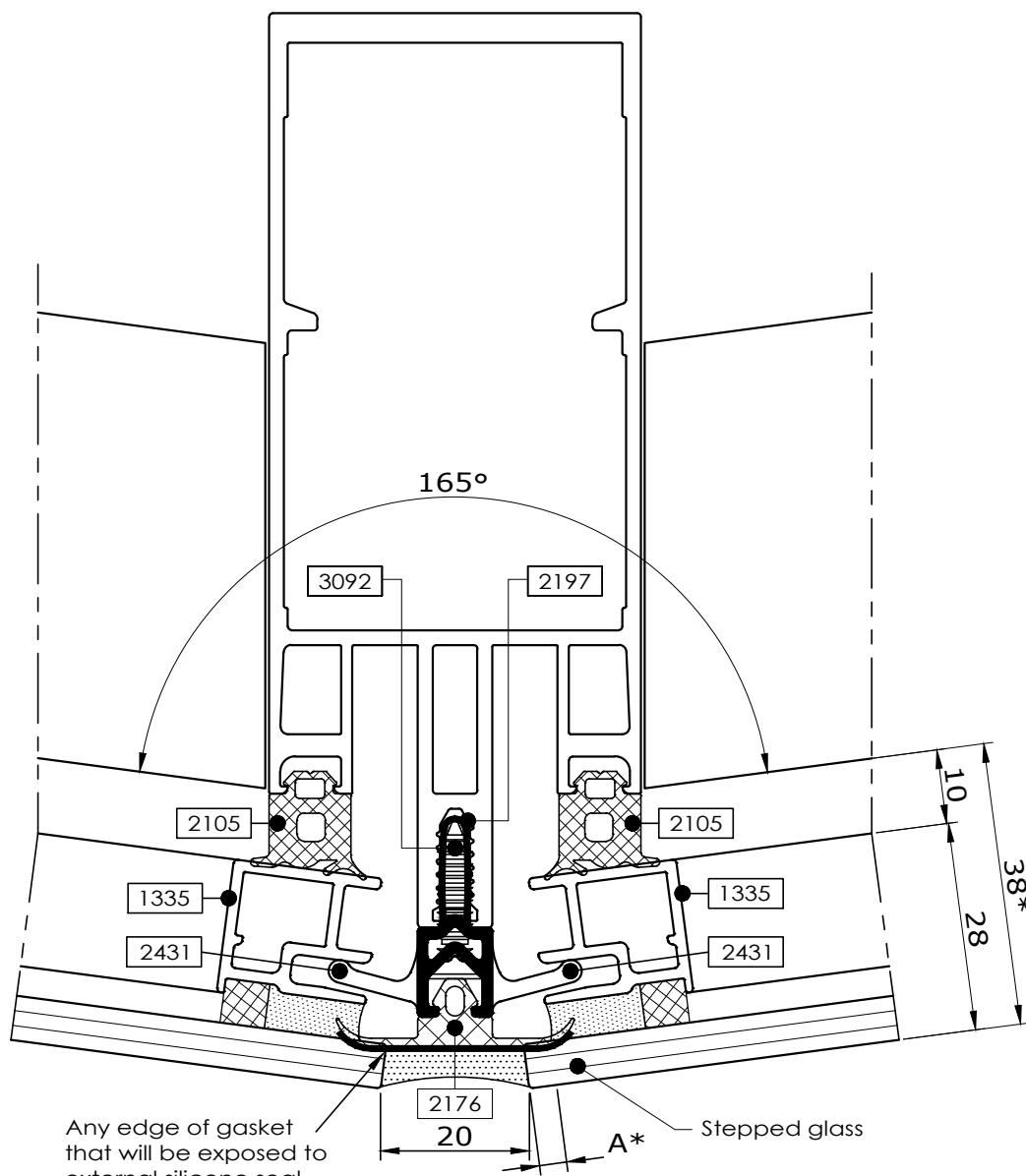
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Mullion detail
Facetted facade - Single glazed
7.5° maximum

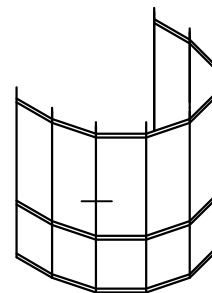
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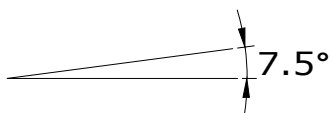
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* Refer to Glazing Chart for glazing options



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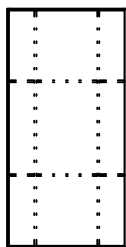
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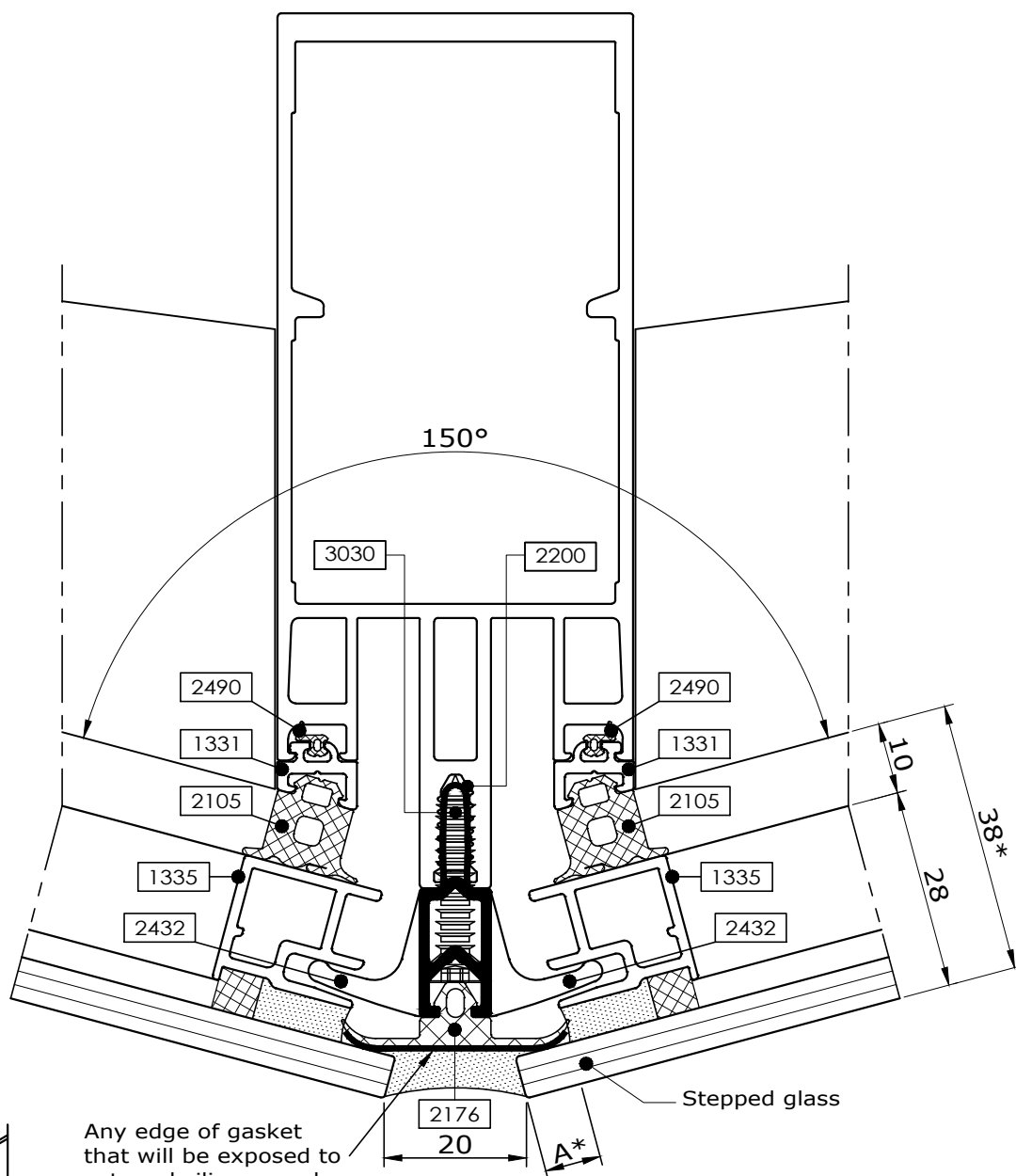
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Mullion detail, Facetted facade - Single glazed 15° nominal

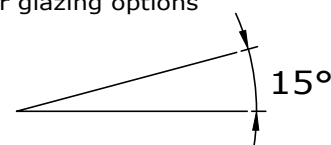


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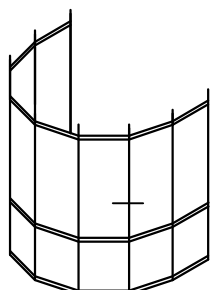
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* Refer to Glazing Chart for glazing options



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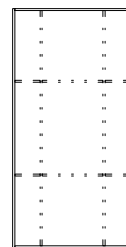
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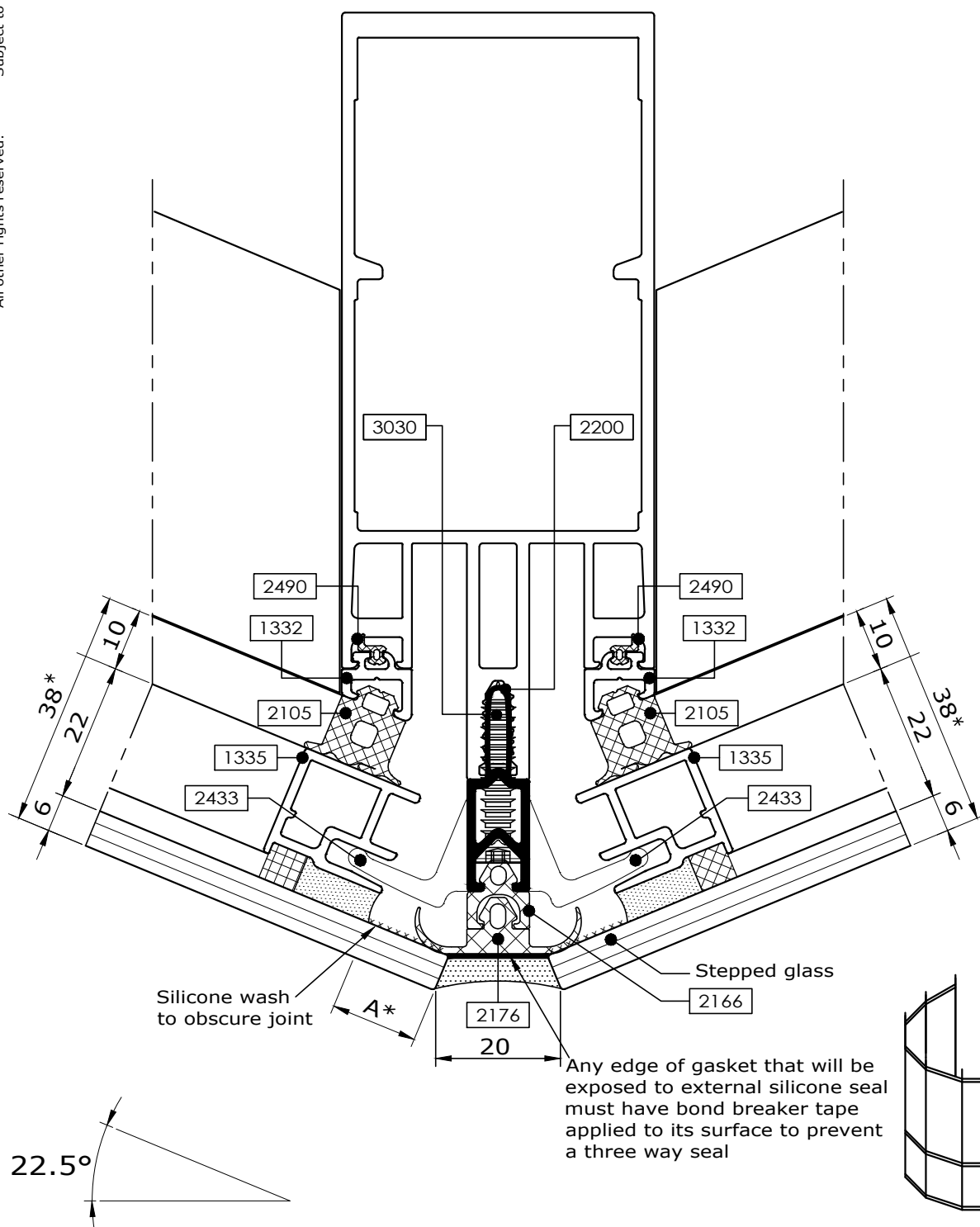
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Mullion detail
Facetted facade - Single glazed
22.5° nominal



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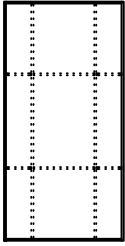


Typical details

2

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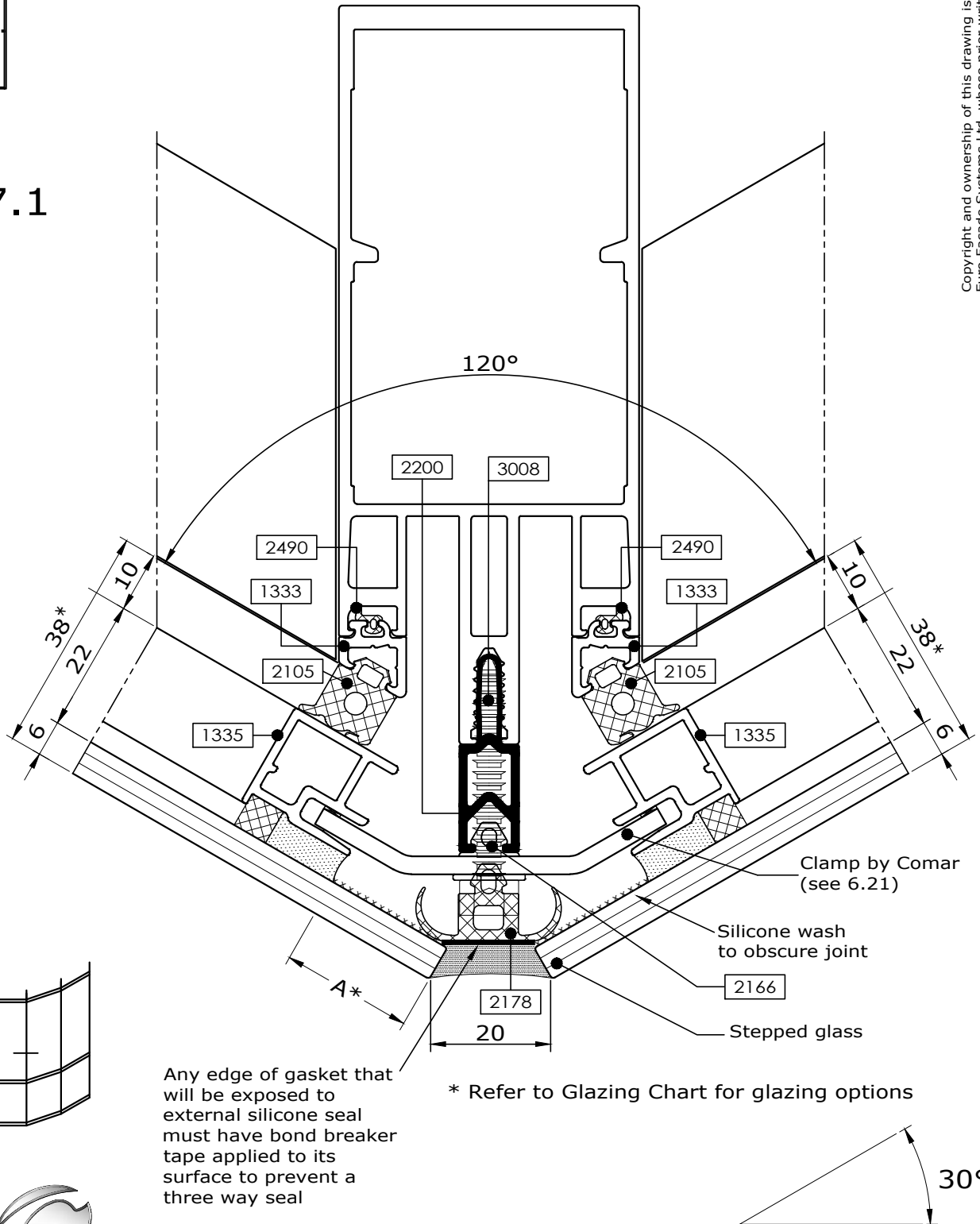
Mullion detail
Facetted facade
30° nominal



2.77.1

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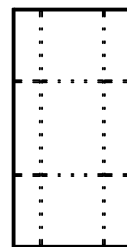


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Typical details

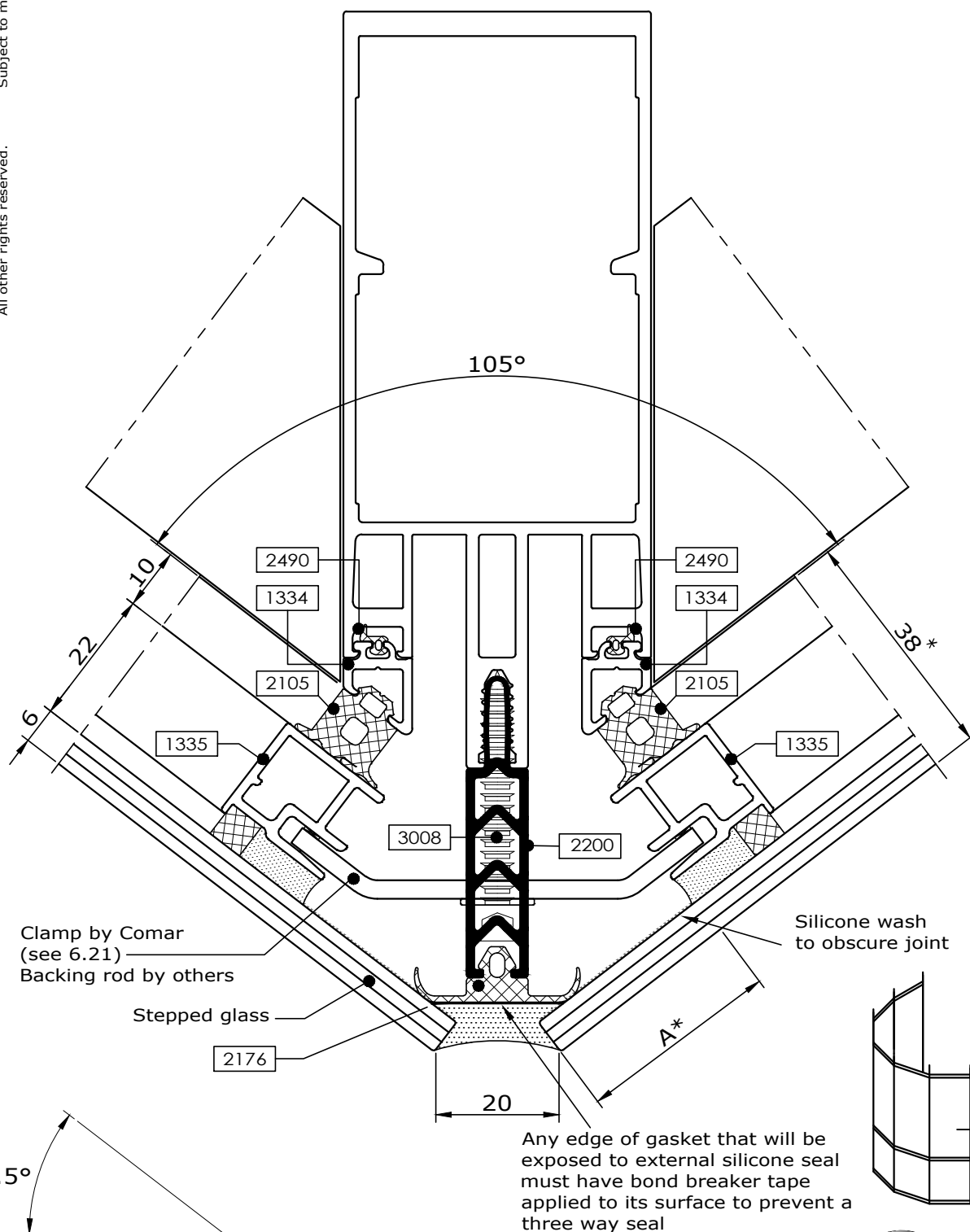
Comar 6EFT

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

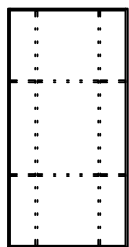
Issue: 05
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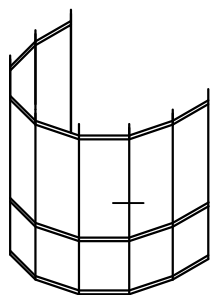
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Mullion detail, Facetted
facade - Single glazed
45° nominal

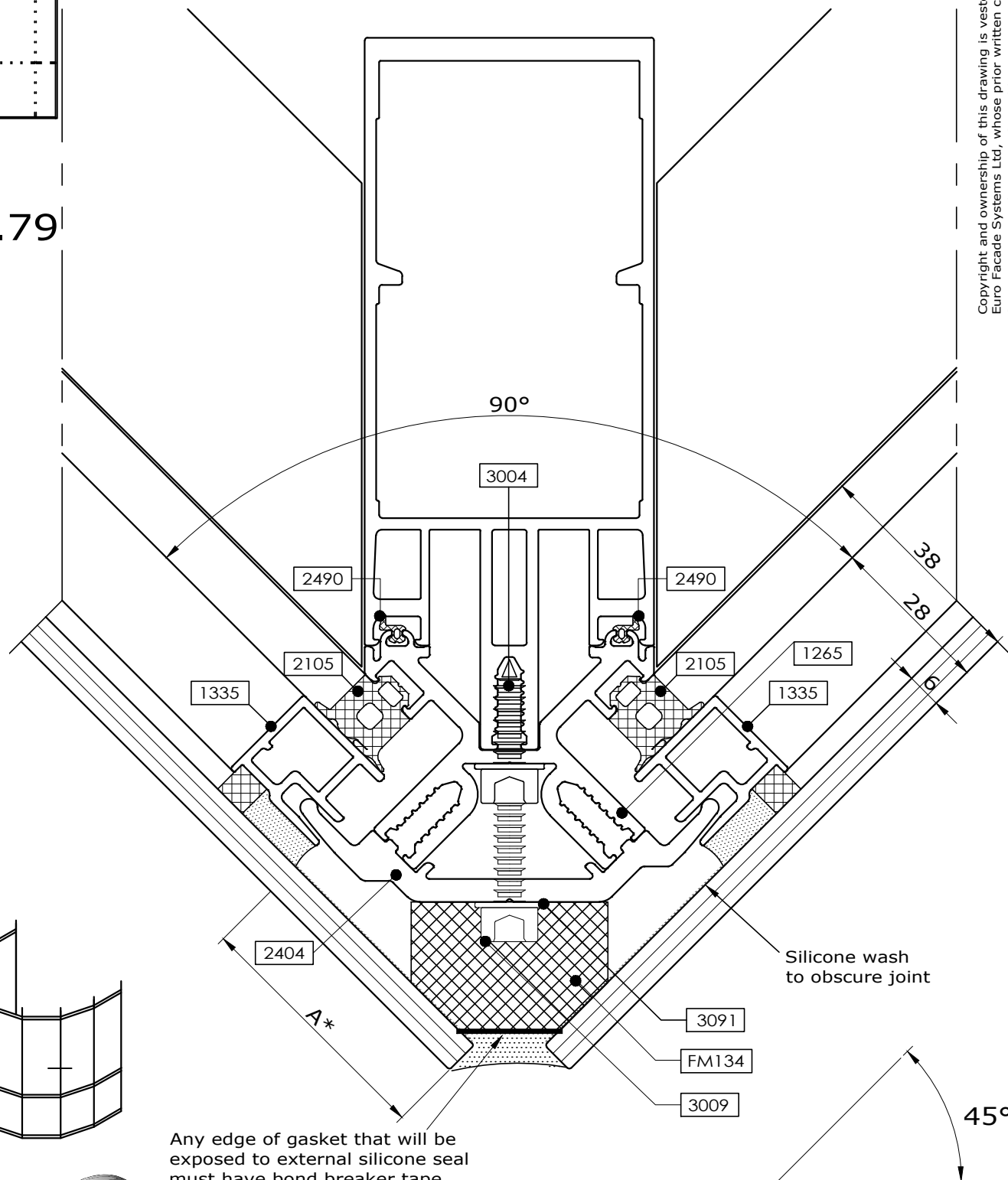


2.79

Fabricators Guide



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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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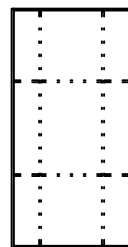
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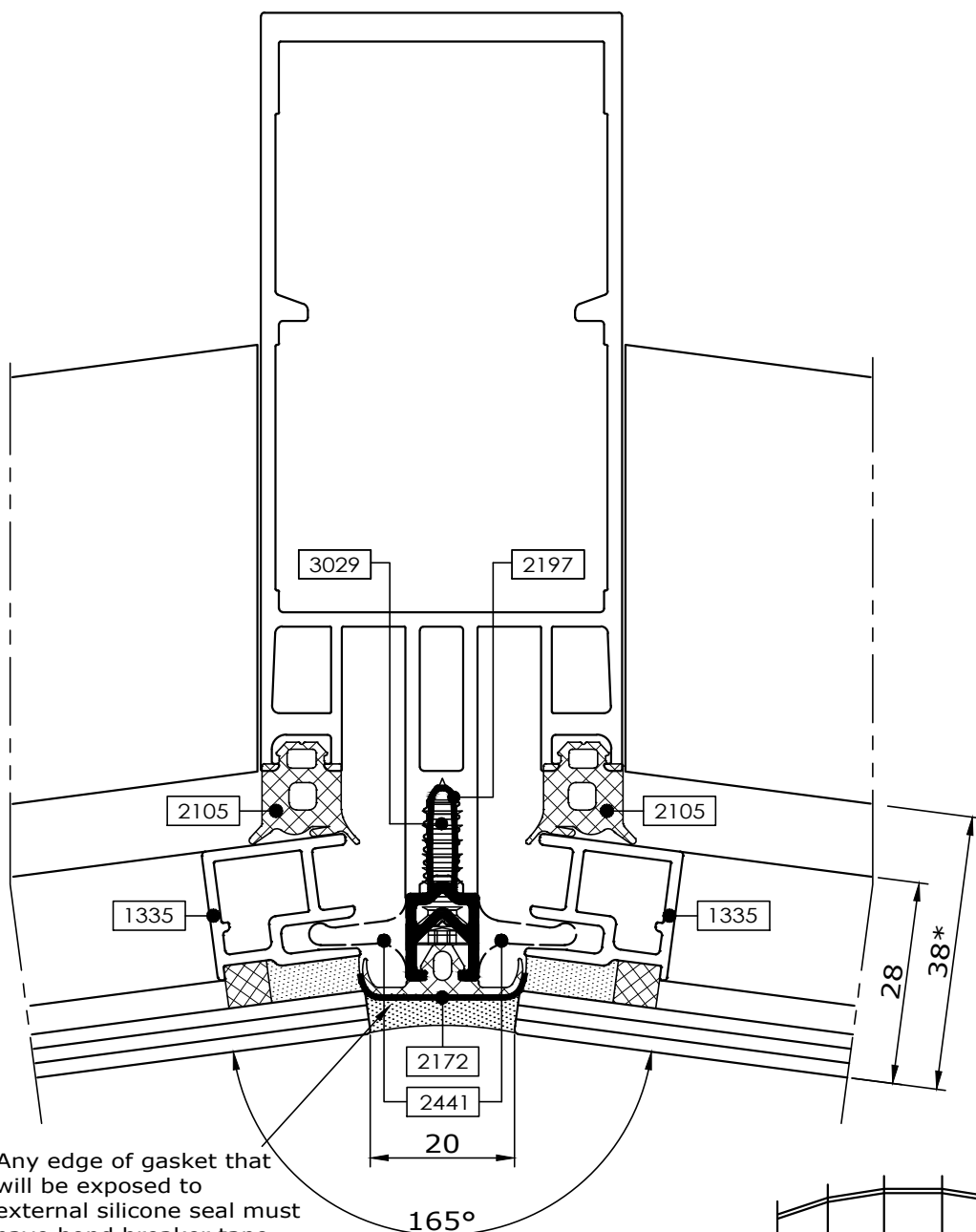
Typical details

Mullion detail Facetted facade - Single glazed 7.5° maximum

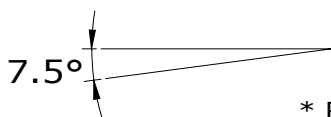
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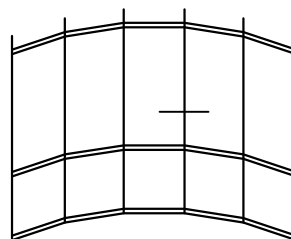
2.80



Fabricators Guide



* Refer to Glazing Chart for glazing options



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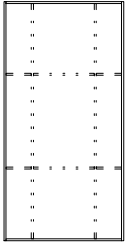
Issue: 05
Date : 10 -16

Typical details

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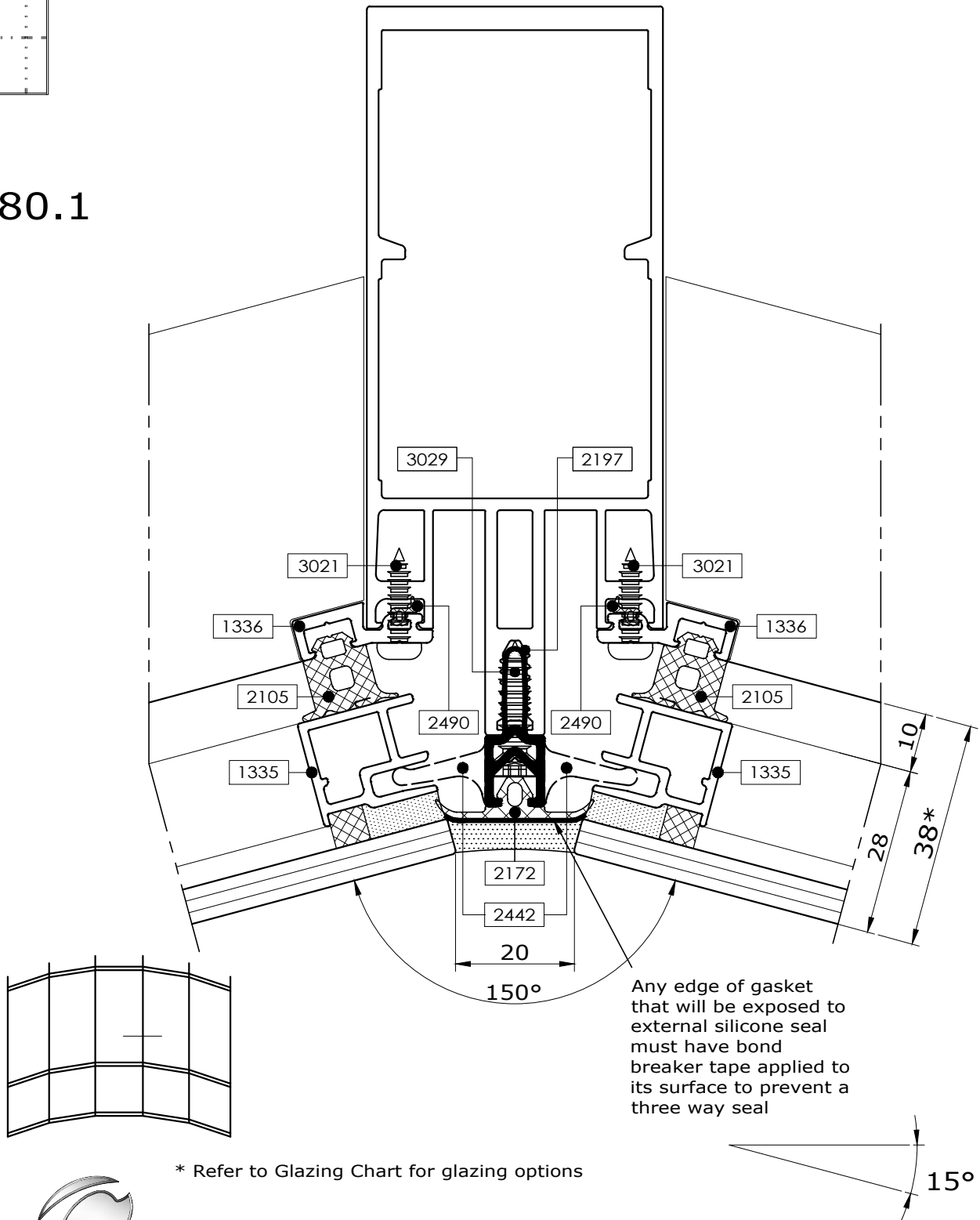
Comar 6EFT

Mullion detail, Facetted facade - Single glazed
15° nominal



2.80.1

Fabricators Guide



* Refer to Glazing Chart for glazing options



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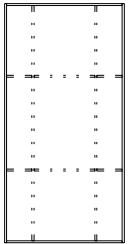
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2

Typical details

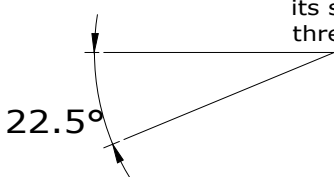
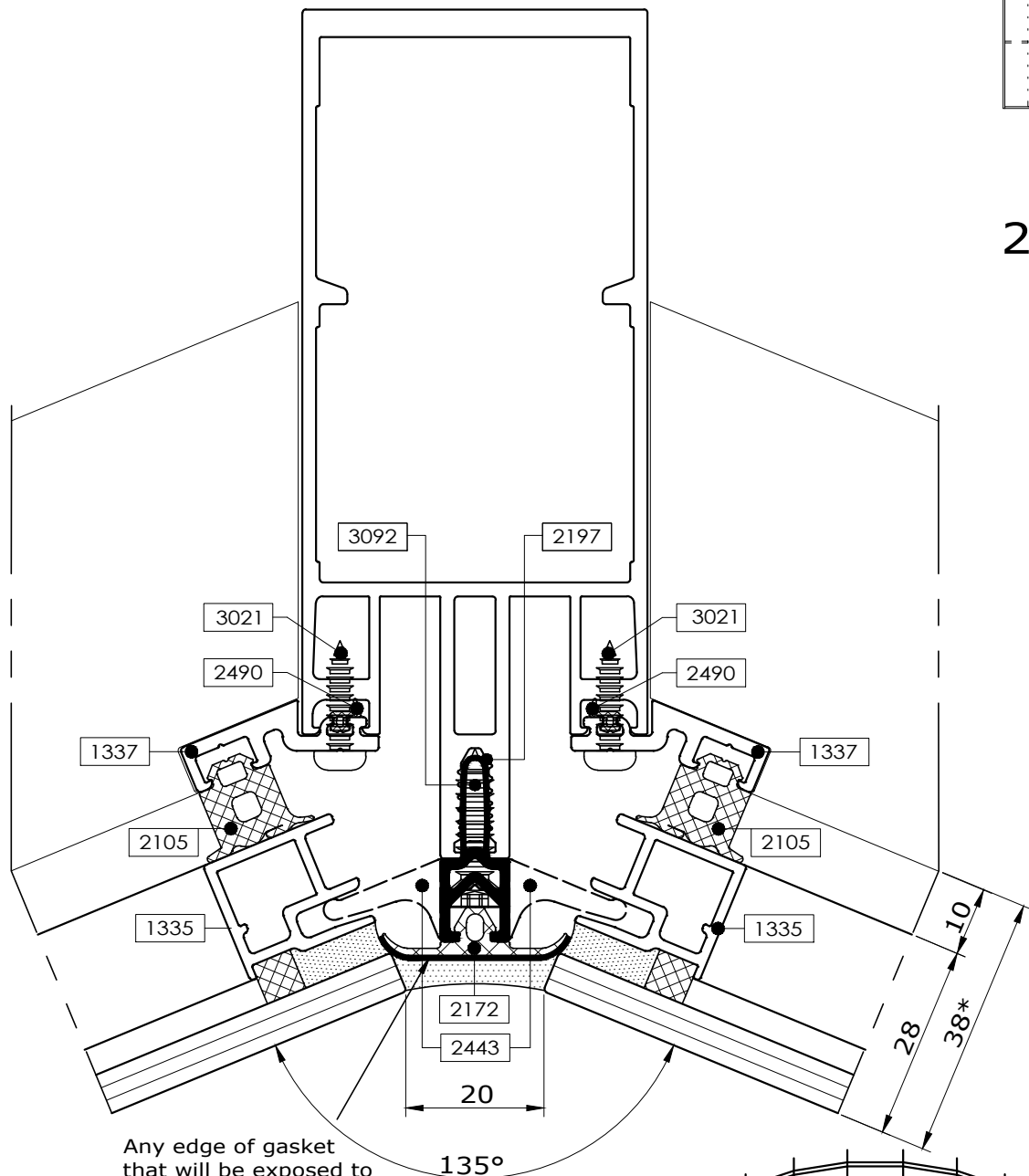
Comar 6EFT

Mullion detail
Facetted facade - Single glazed
22.5° nominal



2.81

Fabricators Guide

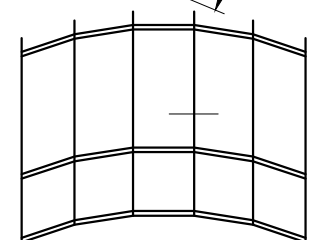


Any edge of gasket
that will be exposed to
external silicone seal
must have bond
breaker tape applied to
its surface to prevent a
three way seal

* Refer to Glazing Chart for glazing options

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Änderungen vorbehalten

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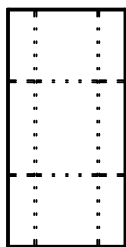
comar
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Typical details

2

Comar 6EFT

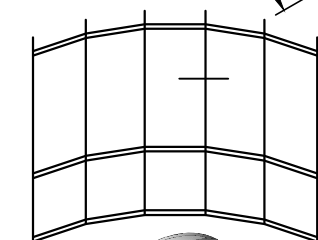
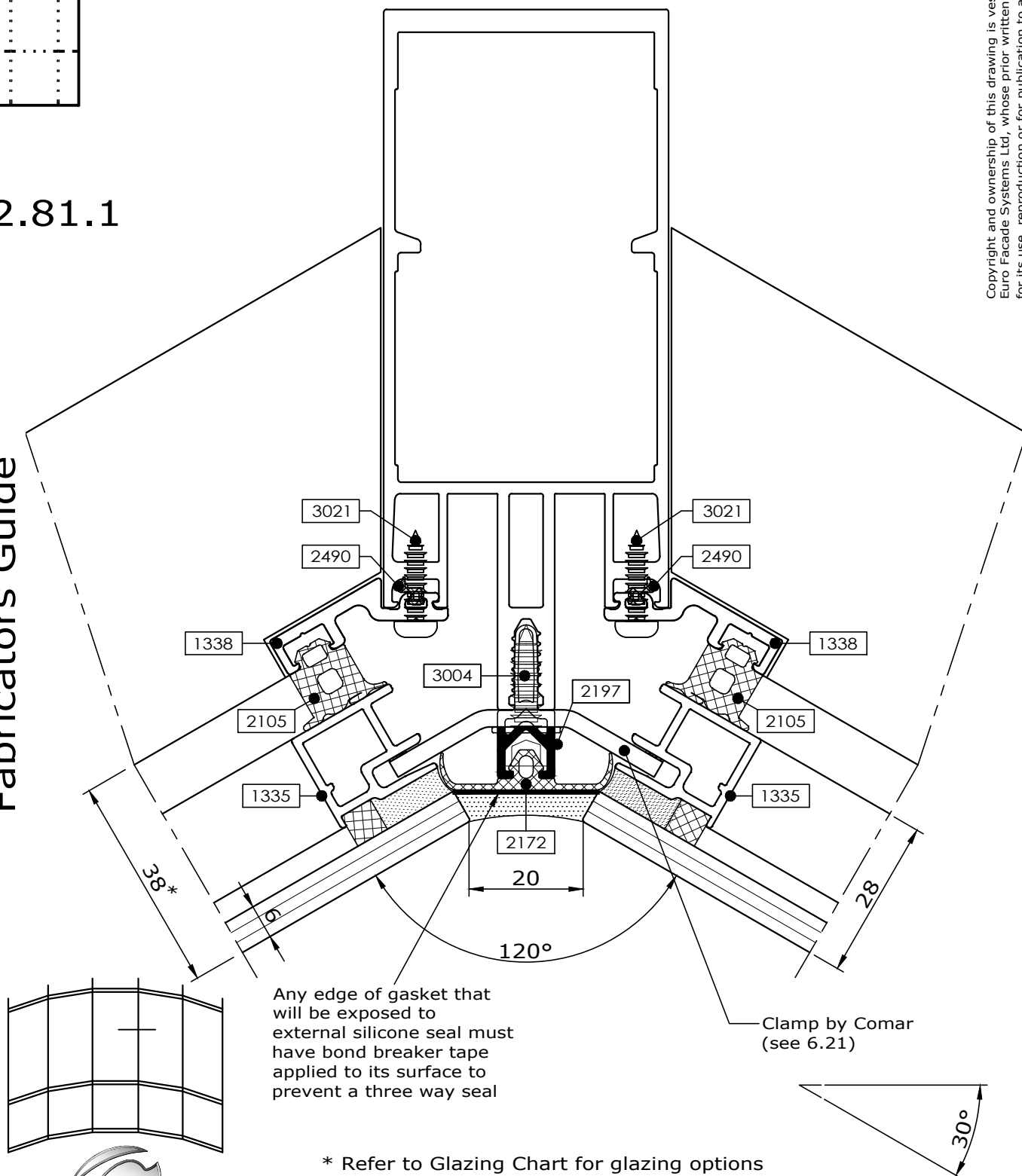
Mullion detail, Facetted facade - Single glazed 30° nominal



2.81.1

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2.82

Technical drawing showing a cross-section of a mechanical assembly, likely a container or vessel, with various components labeled with numbers. The drawing includes dimensions and a note regarding the gasket.

Key components and labels:

- 3021
- 2490
- 1339
- 2105
- 1335
- 3004
- 2168
- 3091
- 2172
- 20
- 105°
- 38*
- 6
- 28
- 37.5°

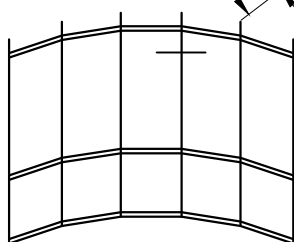
Note: Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

Clamp by Comar (see 6.21)

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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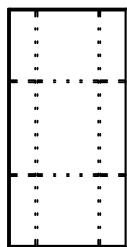
comar
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Typical details

2

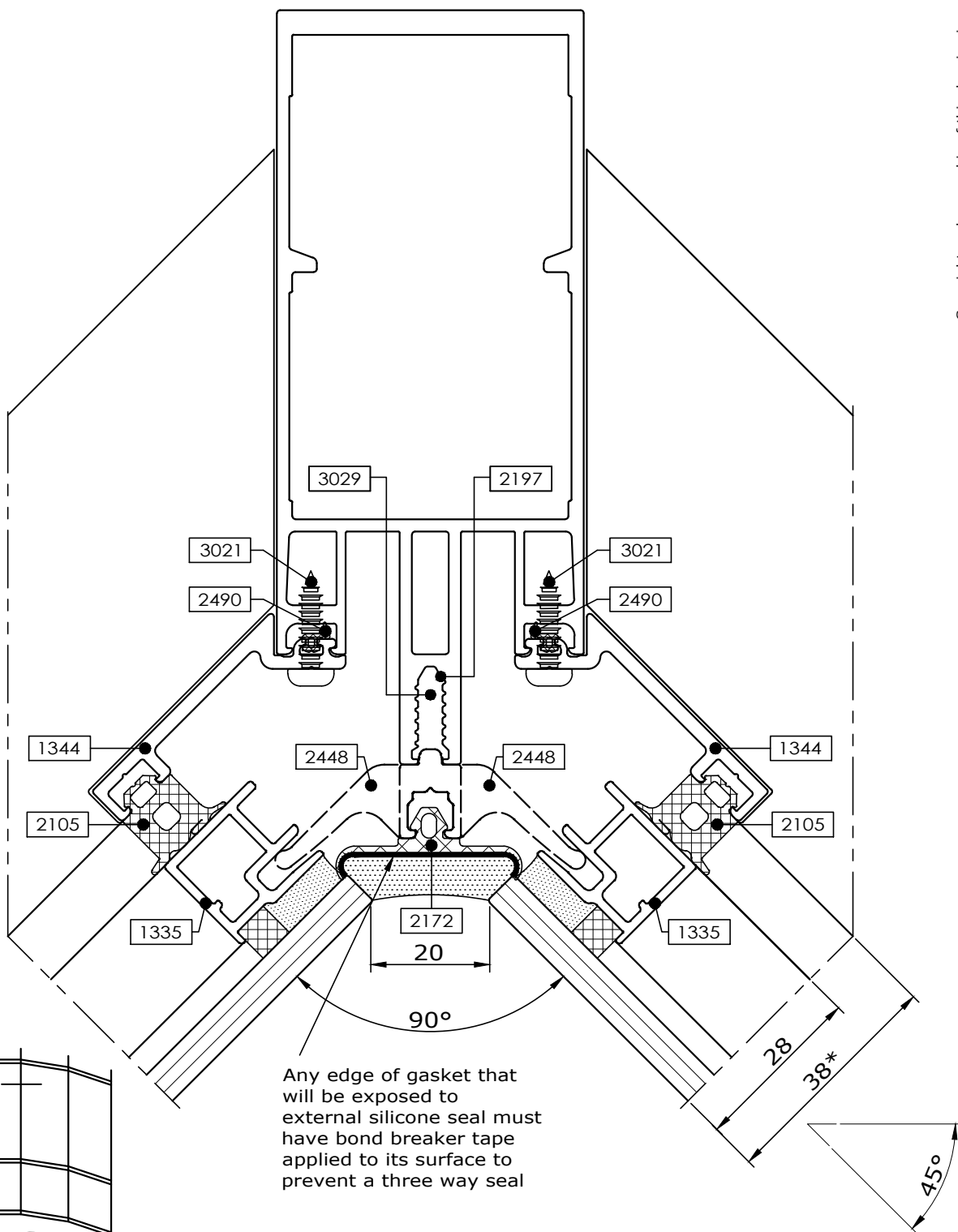
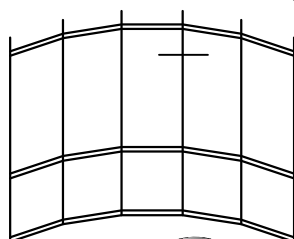
Comar 6EFT

Mullion detail, Facetted facade - Single glazed
45° nominal



2.83

Fabricators Guide



* Refer to Glazing Chart for glazing options

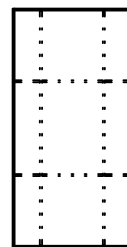
Changes reserved
Sous reserve de modifications
Änderungen vorbehalten

2

Typical details

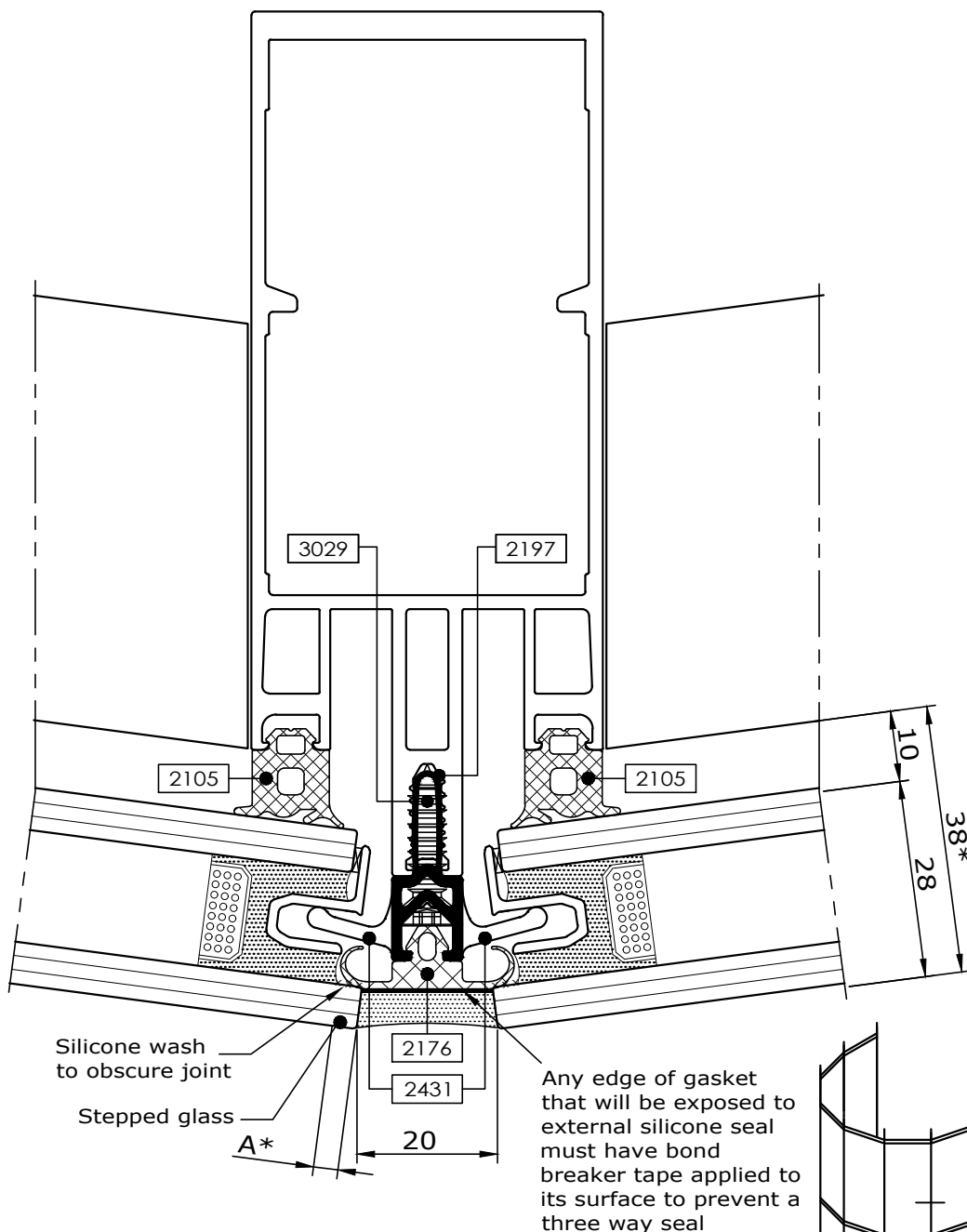
Mullion detail
Facetted facade
7.5° maximum

Comar 6EFT



2.84

Fabricators Guide



* Refer to Glazing Chart for glazing options



comar
ARCHITECTURAL ALUMINIUM SYSTEMS

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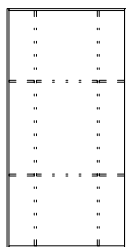
Issue: 05
Date : 10 -16

Typical details

2

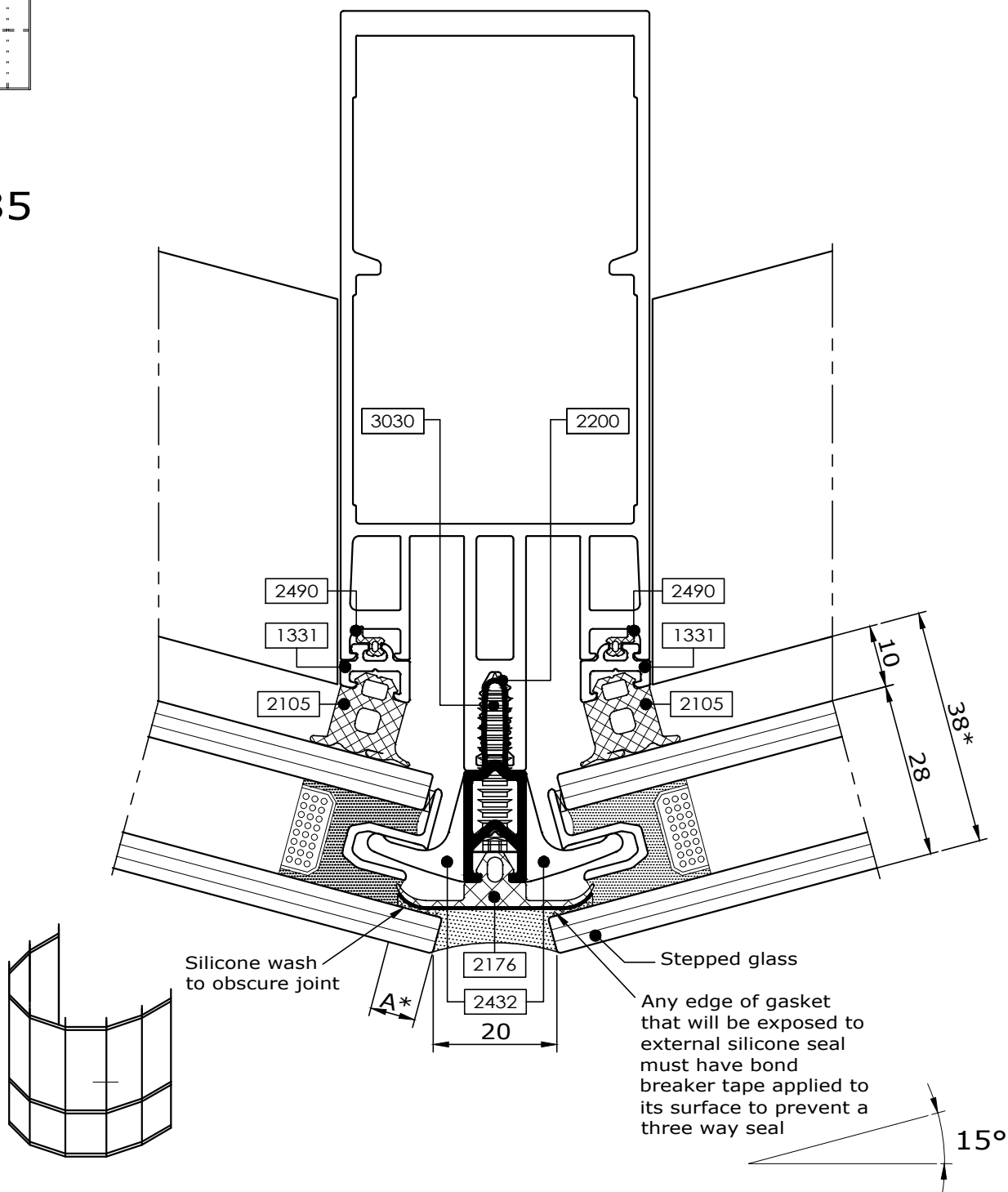
Comar 6EFT

Mullion detail
Facetted facade
15° nominal



2.85

Fabricators Guide

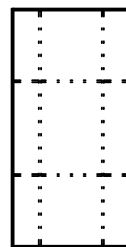


* Refer to Glazing Chart for glazing options

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Änderungen vorbehalten

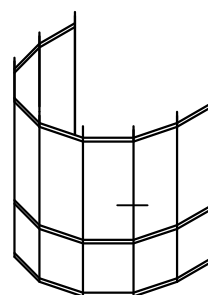
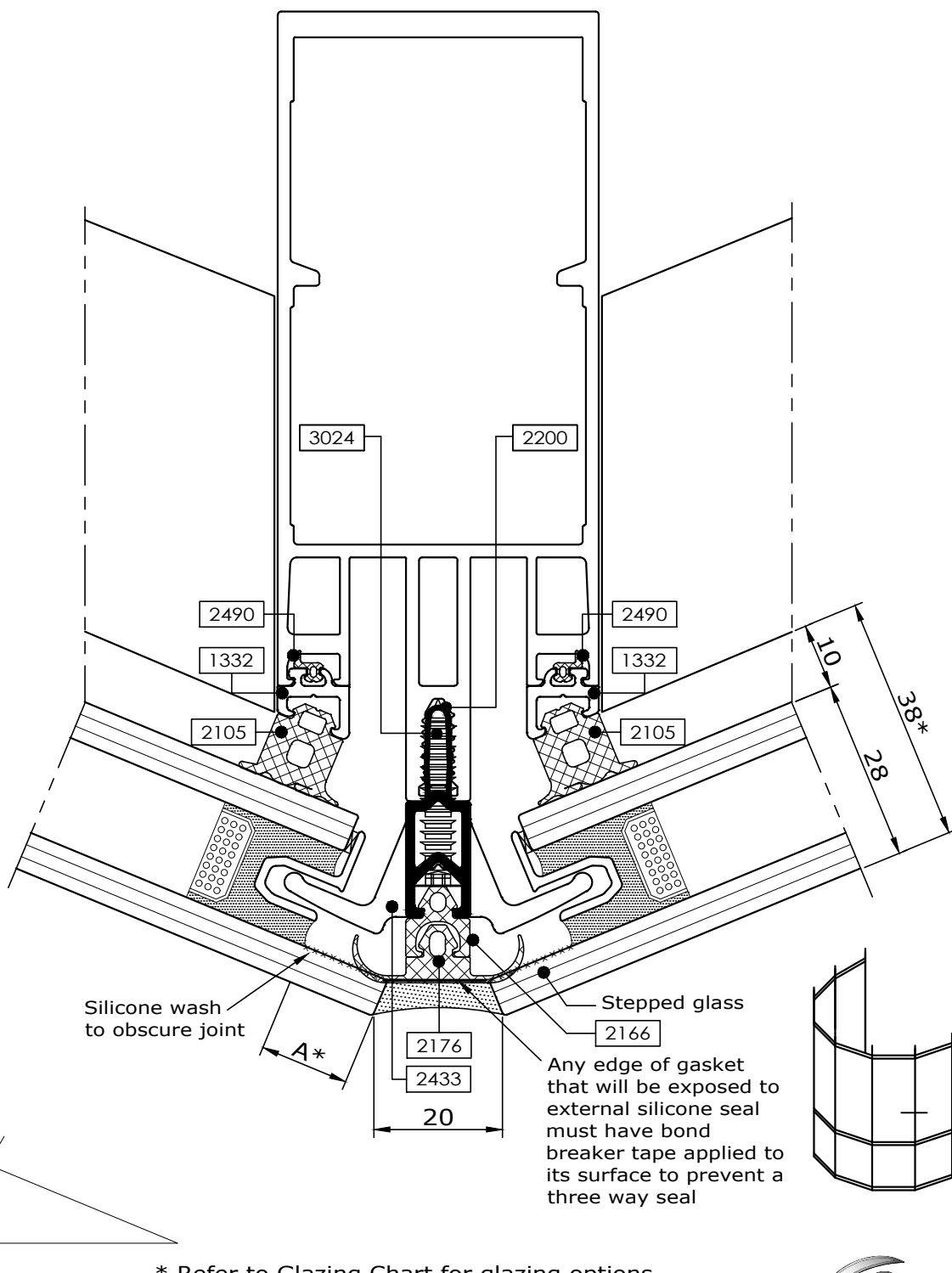
Mullion detail
Facetted facade
22.5° nominal

Comar 6EFT



2.86

Fabricators Guide



22.5°

* Refer to Glazing Chart for glazing options

Changes reserved
Sous reserve de modifications
Änderungen vorbehalten

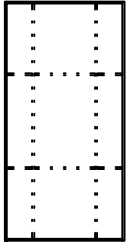
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Typical details

2

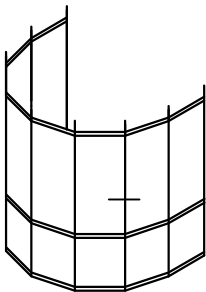
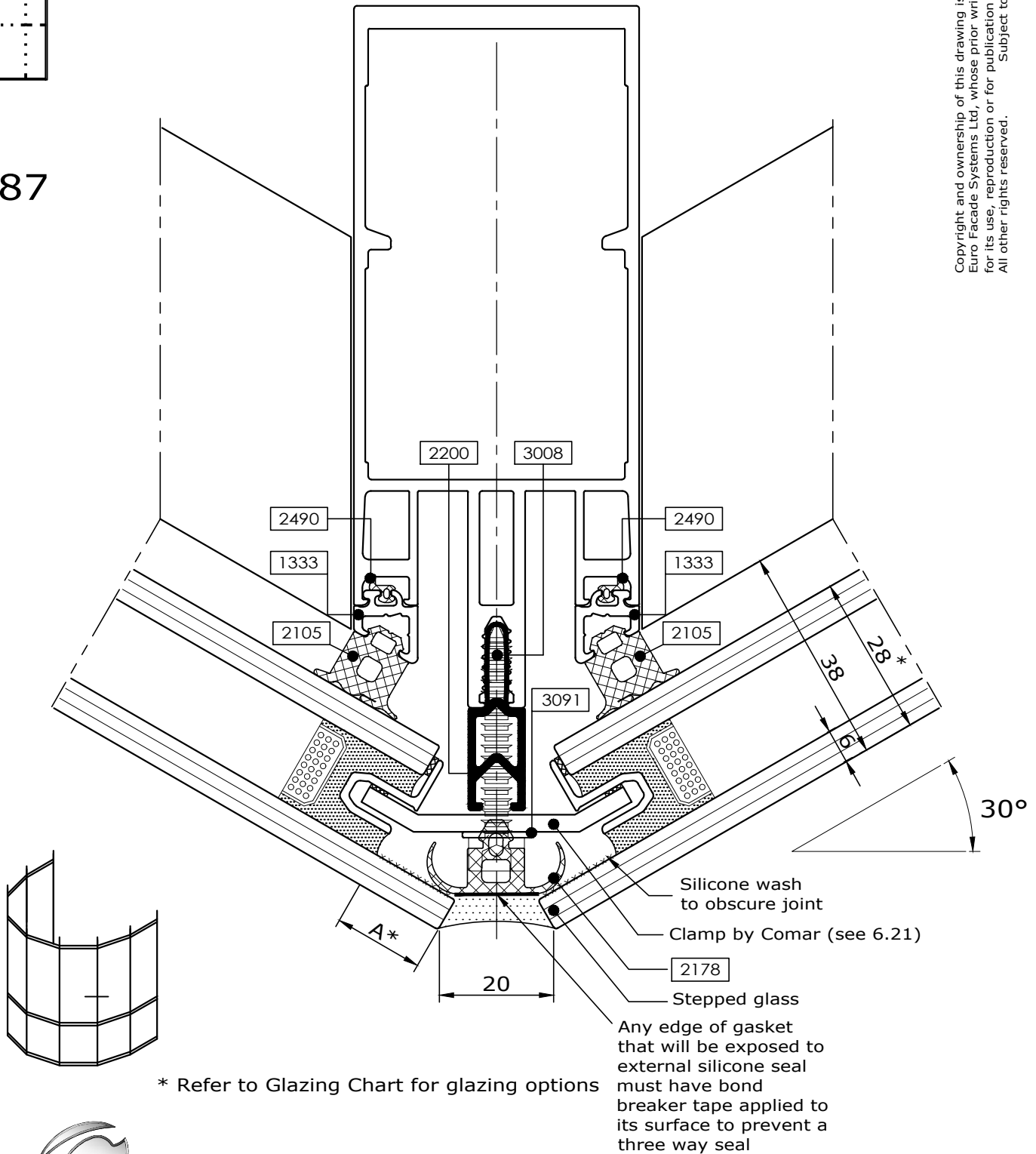
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Mullion detail Facetted facade 30° nominal



2.87

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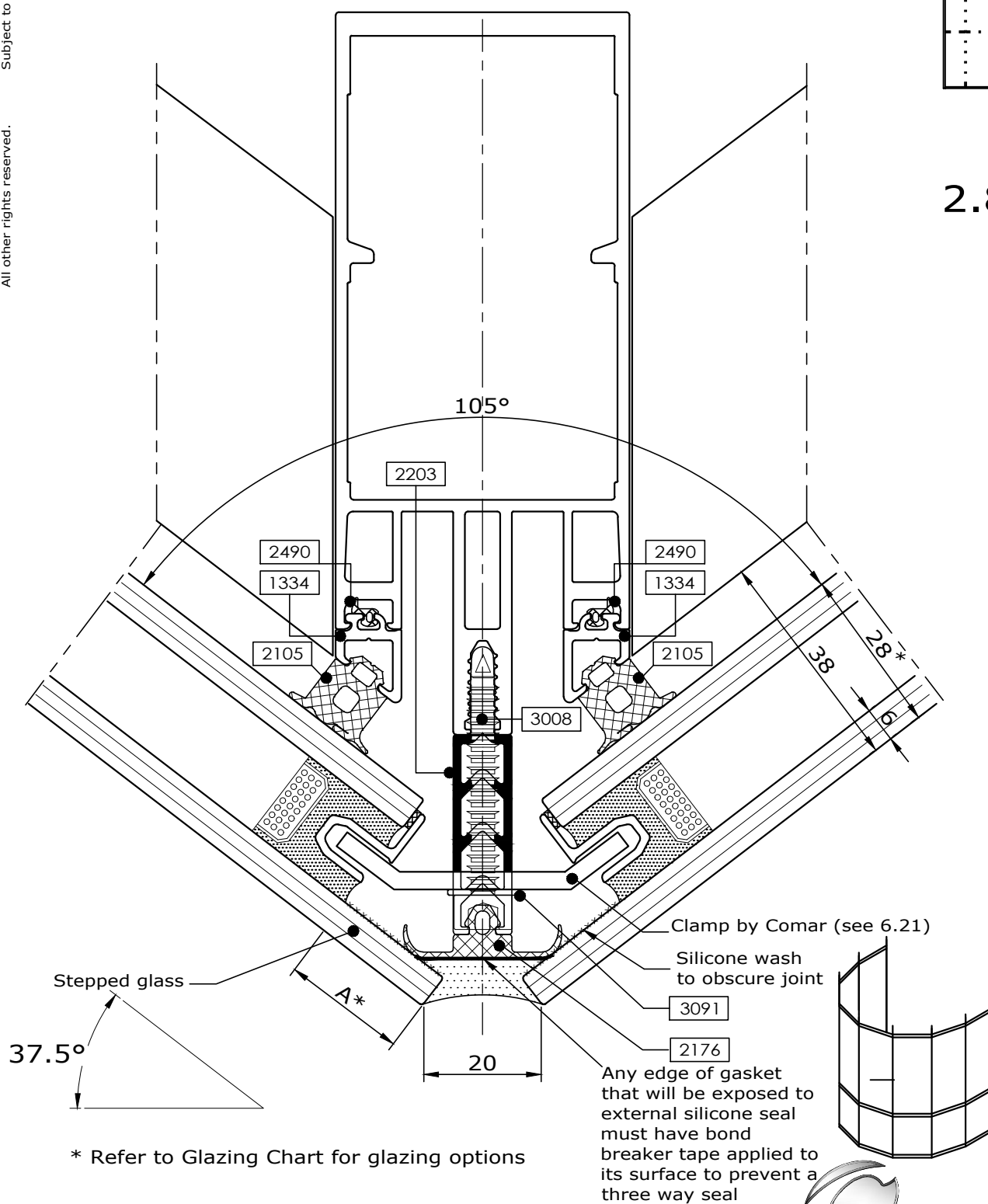
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2.88

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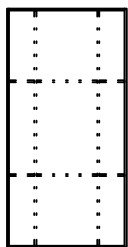
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Typical details

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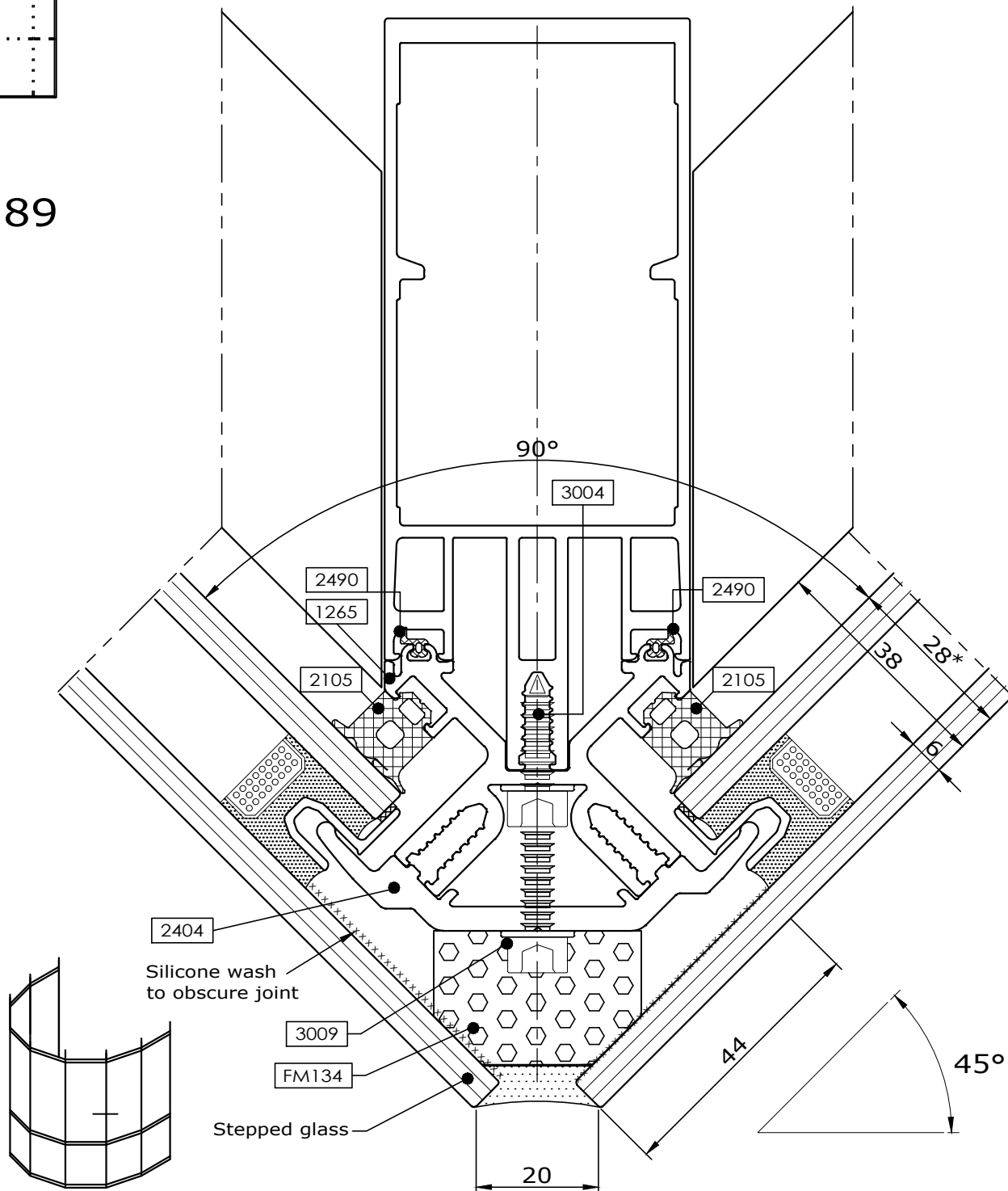
Comar 6EFT

Mullion detail
Facetted facade
45° nominal



2.89

Fabricators Guide



* Refer to Glazing Chart for glazing options



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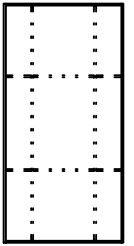
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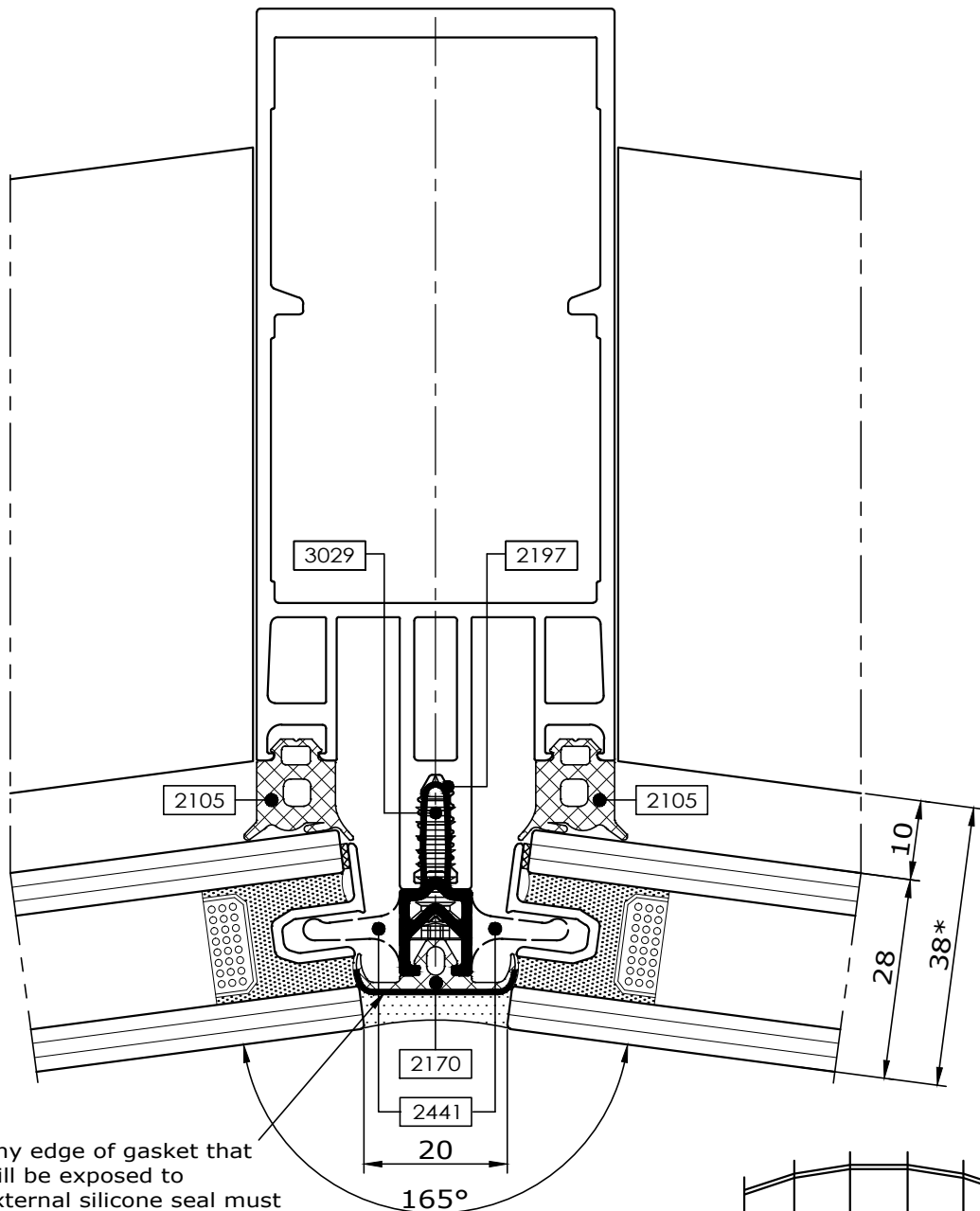
Mullion detail
Facetted facade
7.5° maximum

Comar 6EFT

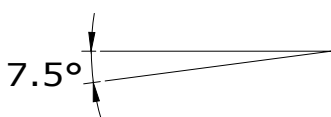


2.90

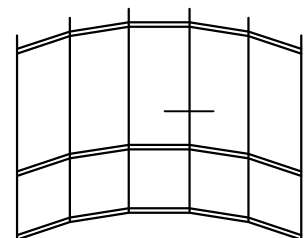
Fabricators Guide



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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Änderungen vorbehalten

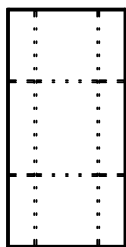
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Date : 10 -16

Typical details

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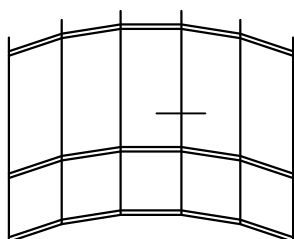
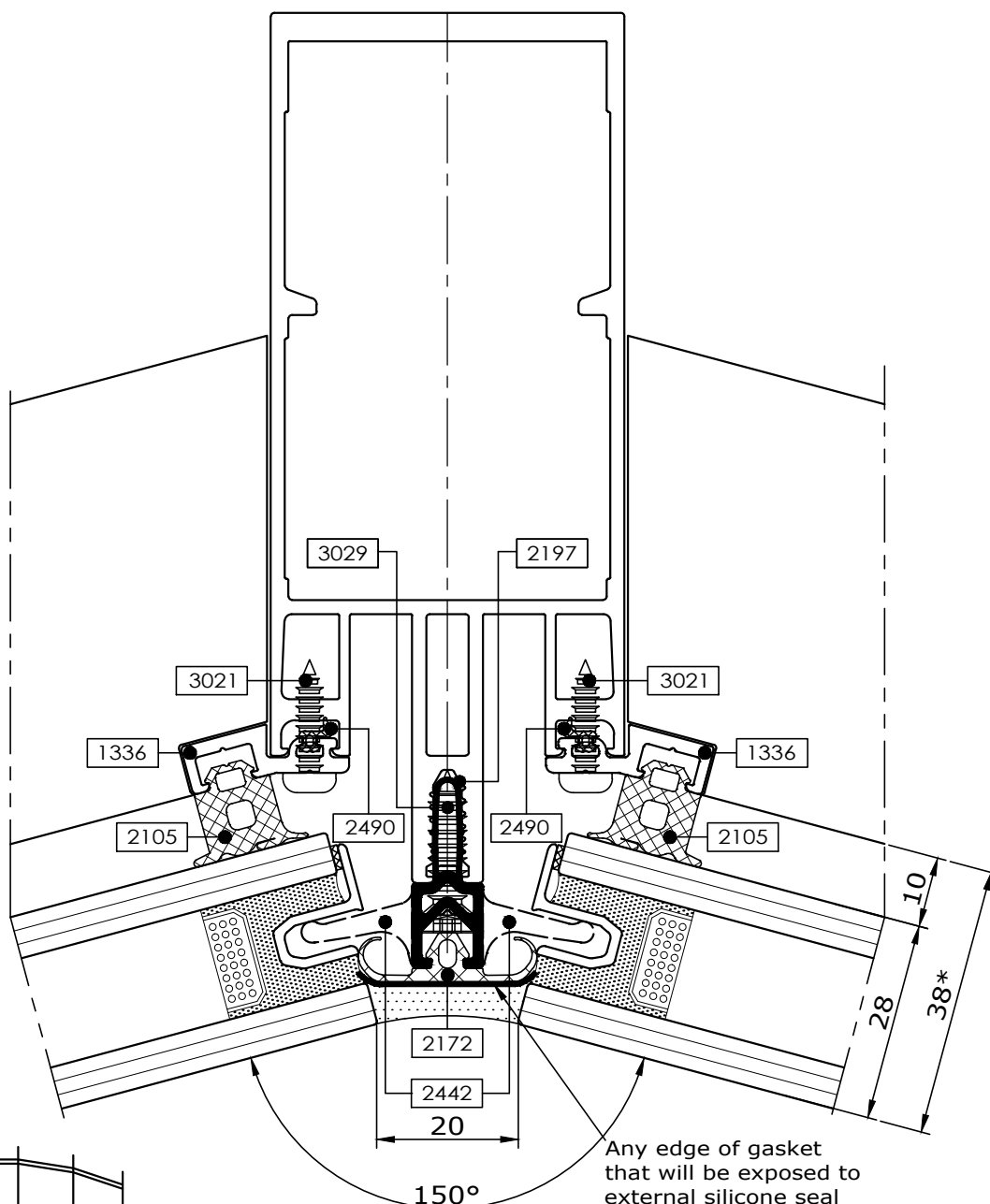
Comar 6EFT

Mullion detail
Facetted facade
15° nominal

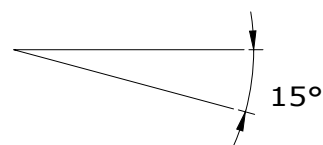


2.91

Fabricators Guide



* Refer to Glazing Chart for glazing options



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Sous reserve de modifications
Änderungen vorbehalten

2.92

Any edge of gasket

20

28

10

38*

3092

2197

3021

1337

2105

2490

2172

2443

 22.5°

* Refer to Glazing Chart for glazing options

ns

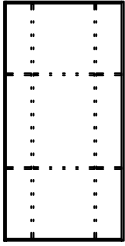
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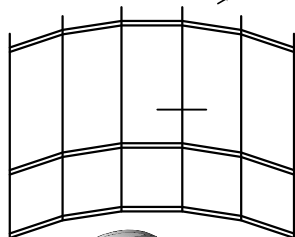
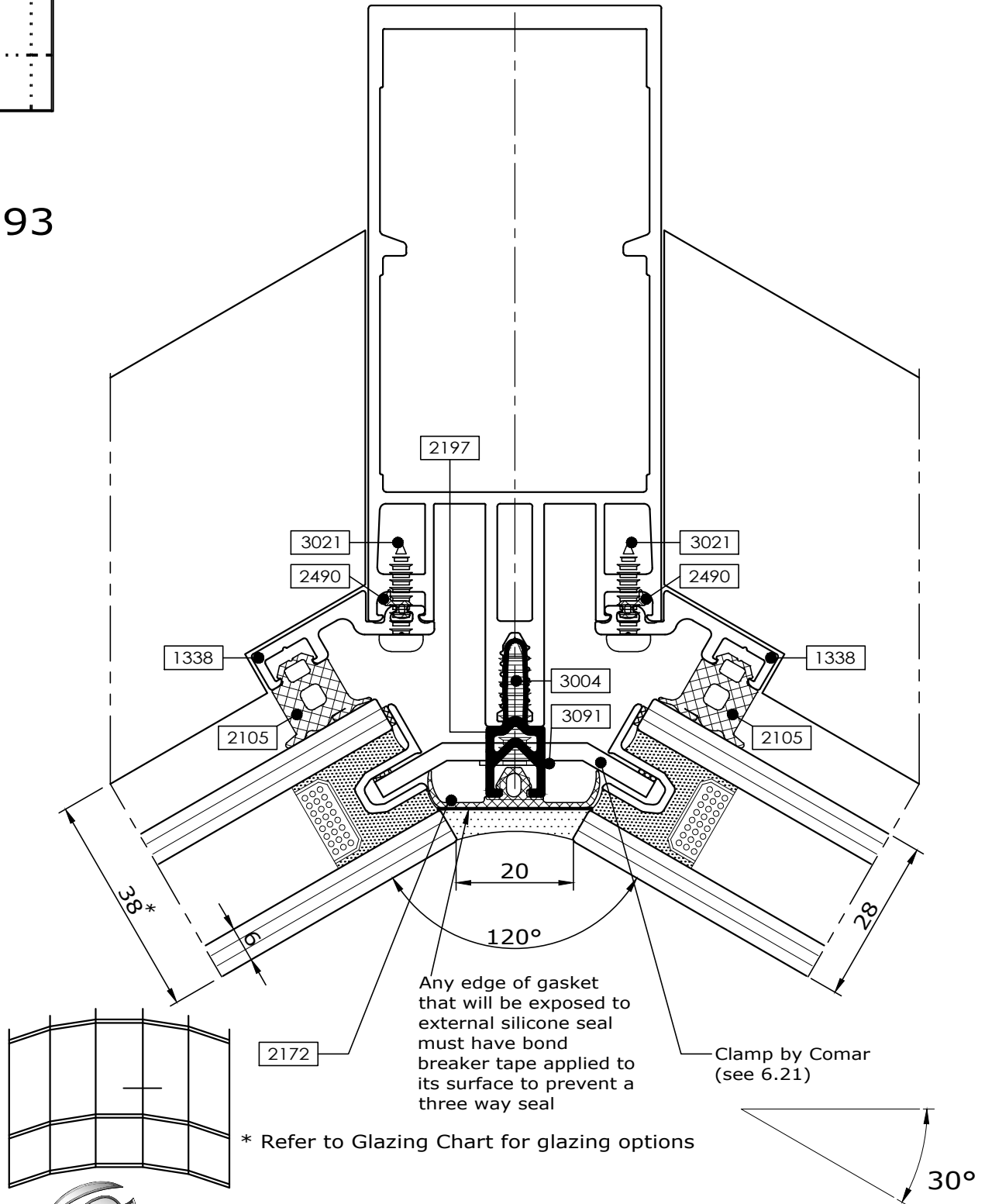
Comar 6EFT

Mullion detail
Facetted facade
30° nominal



2.93

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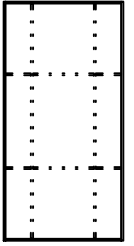
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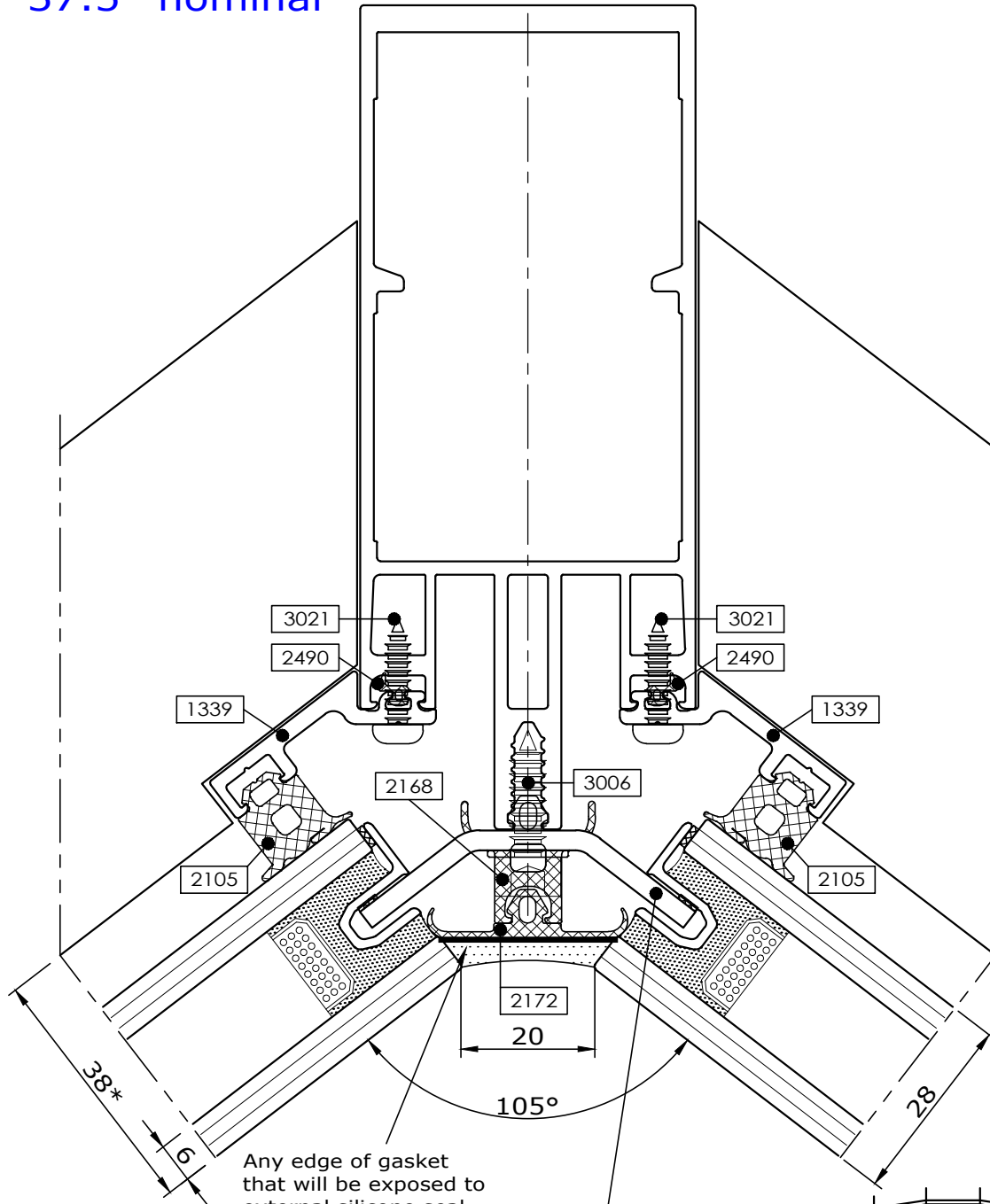
Typical details

Comar 6EFT

Mullion detail
Facetted facade
37.5° nominal



2.94

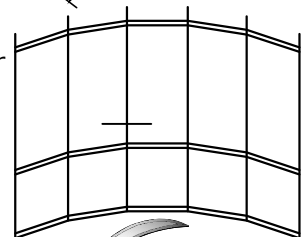


Any edge of gasket
that will be exposed to
external silicone seal
must have bond
breaker tape applied to
its surface to prevent a
three way seal

Clamp by Comar
(see 6.21)

* Refer to Glazing Chart for glazing options

37.5°



comar

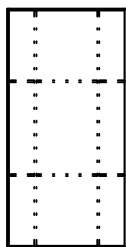
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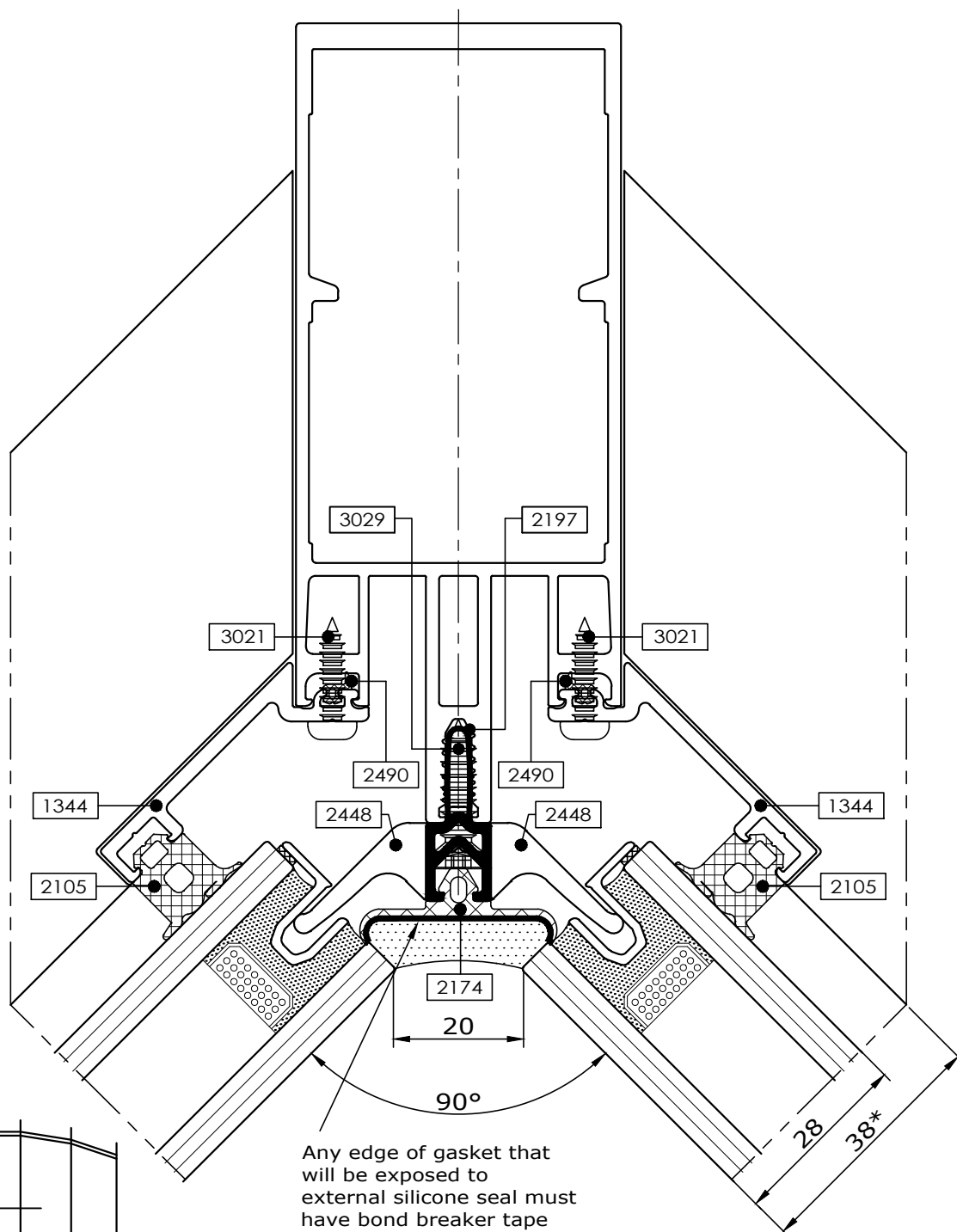
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Mullion detail
Facetted facade
45° nominal



2.95

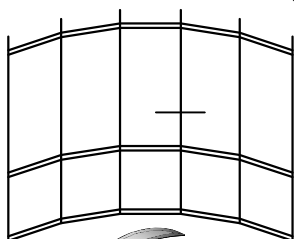
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Any edge of gasket that will be exposed to external silicone seal must have bond breaker tape applied to its surface to prevent a three way seal

45°

Changes reserved
Sous reserve de modifications
Änderungen vorbehalten



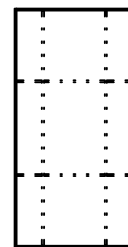
comar

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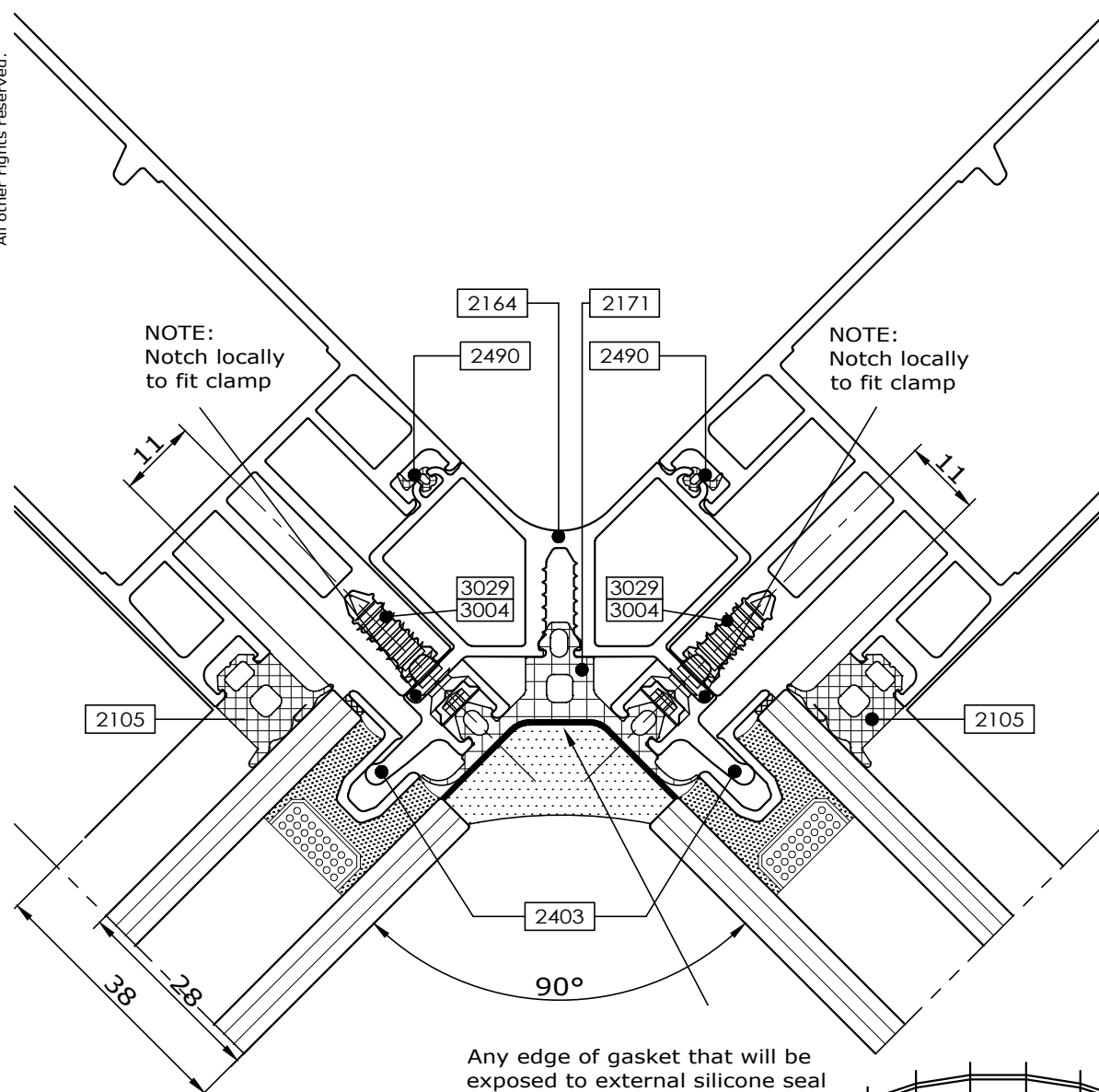
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Mullion detail Facetted facade 45° nominal

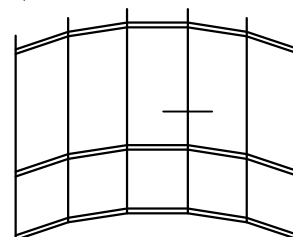


2.96



45°

* Refer to Glazing Chart for glazing options



comar
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