



Documentation générale

Le Mur Rideau CW50



www.tf-alu.fr

105, Ter Avenue du Général de Gaulle—33190 Gironde sur dropt

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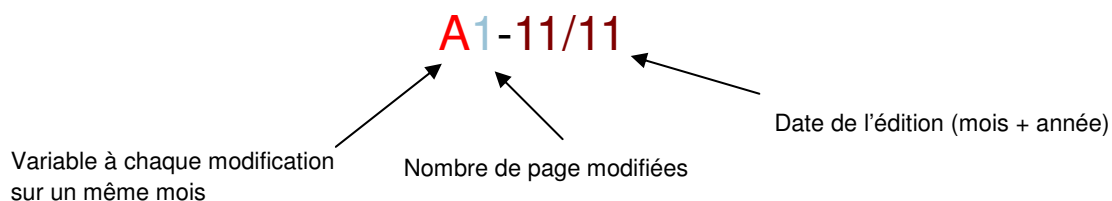
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Historique des mises à jours

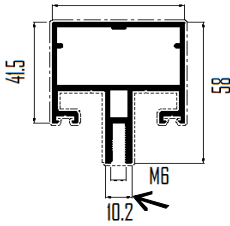
Pour exemple : (la version originelle ne comporte aucune mention)



MONTANT ET TRAVERSE

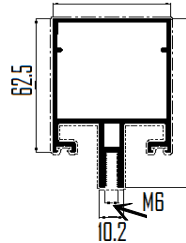
Réf 400

ix : 13.974 cm⁴
 iy : 13.552 cm⁴



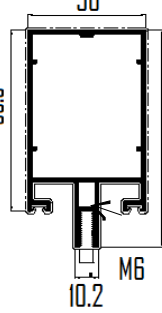
Réf 401

ix : 32.895 cm⁴
 iy : 17.716 cm⁴



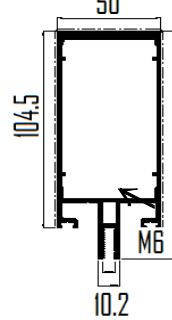
Réf 402

ix : 66.042 cm⁴
 iy : 22.243 cm⁴



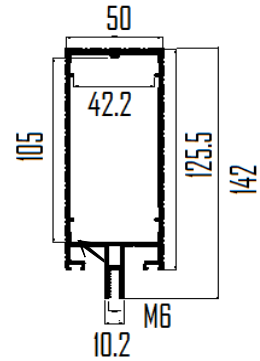
Réf 404

ix : 152.047 cm⁴
 iy : 30.142 cm⁴



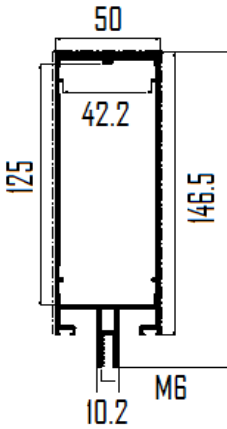
Réf 405

ix : 213.241 cm⁴
 iy : 35.003 cm⁴



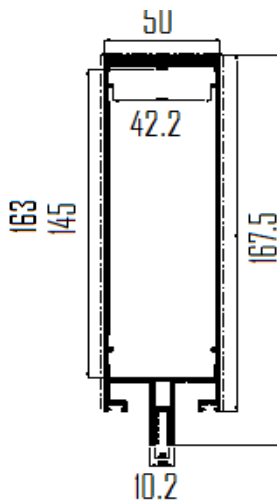
Réf 406

ix : 336.425 cm⁴
 iy : 40.680 cm⁴



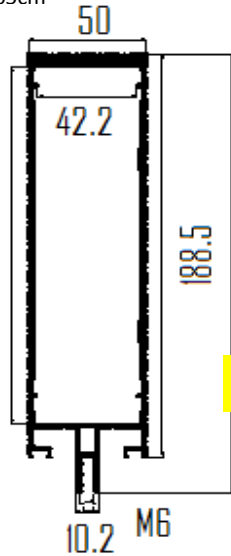
Réf 407

ix : 497.968 cm⁴
 iy : 46.432 cm⁴



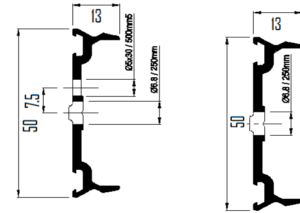
Réf 408

ix : 690.139 cm⁴
 iy : 59.365 cm⁴



Réf 435

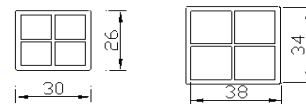
Réf 434



PIECE D'ECARTEMENT

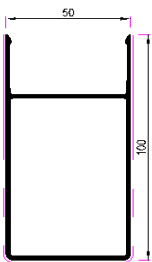
Réf 581

Réf 582

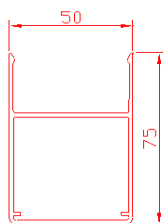


CAPOT

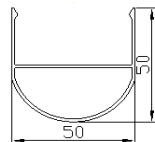
Réf 539



Réf 546



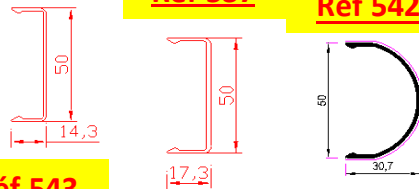
Réf 540



Réf 536

Réf 537

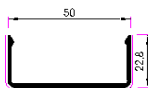
Réf 542



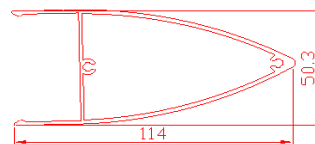
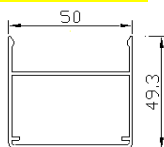
Réf 543



Réf 538

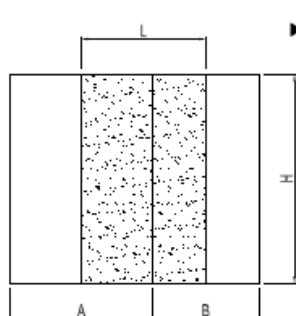


Réf 545



Calcul de la flèche raidisseur et traverse

LIBRES SUR 2 APPUIS



attaches / anchoring
raidisseur

$$f = \frac{5 \times p \times H^4}{384 \times E \times I}$$

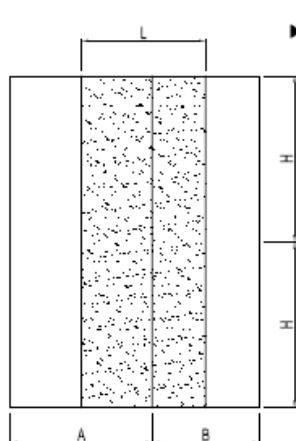
$$f = \frac{H}{300} \text{ exprimée en cm / ln cm}$$

$$Q = \frac{H \times L \times P}{10\,000} \text{ exprimée en daN / ln daN}$$

$$p = \frac{Q}{H} \text{ exprimé en daN/cm / ln daN/cm}$$

P = pression de base en daN/m² (10Pa = 1 daN/m²)
 L = largeur de la charge en cm ($L = \frac{A+B}{2}$)
 H = distance entre les deux attaches du raidisseur en cm
 E = module d'élasticité en daN/cm²
 (pour l'aluminium E = 700 000 daN/cm²)
 I = Inertie du profil en cm⁴ / Inertia ln cm⁴
 1 daN = 1.02 kg

LIBRES SUR 3 APPUIS



attaches / anchoring
raidisseur

$$f = \frac{p \times H^4}{185 \times E \times I}$$

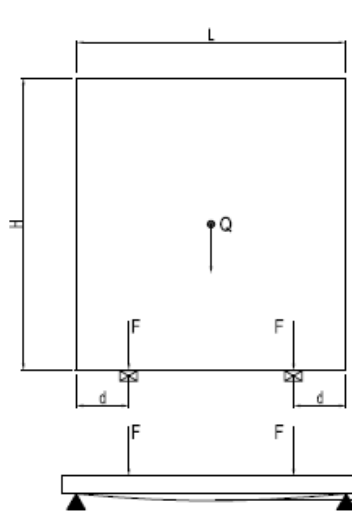
$$f = \frac{H}{300} \text{ exprimée en cm}$$

$$Q = \frac{H \times L \times P}{10\,000} \text{ exprimée en daN}$$

$$p = \frac{Q}{H} \text{ exprimé en daN/cm}$$

P = pression de base en daN/m² (10Pa = 1 daN/m²)
 L = largeur de la charge en cm ($L = \frac{A+B}{2}$)
 H = distance entre les deux attaches du raidisseur en cm
 E = module d'élasticité en daN/cm²
 (pour l'aluminium E = 700 000 daN/cm²)
 I = Inertie du profil en cm⁴
 1 daN = 1.02 kg

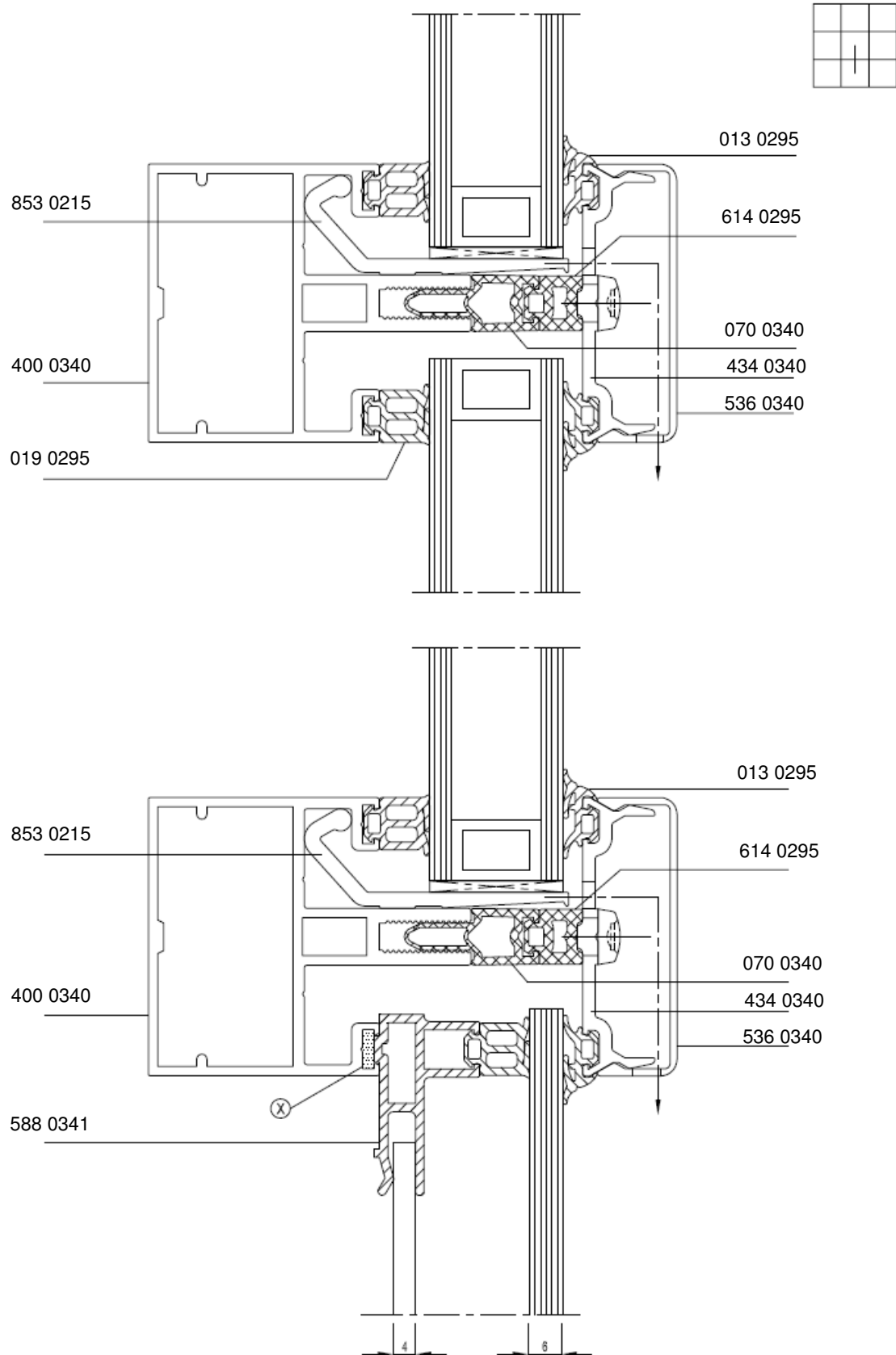
LIMITE DE CHARGE VERTICALE

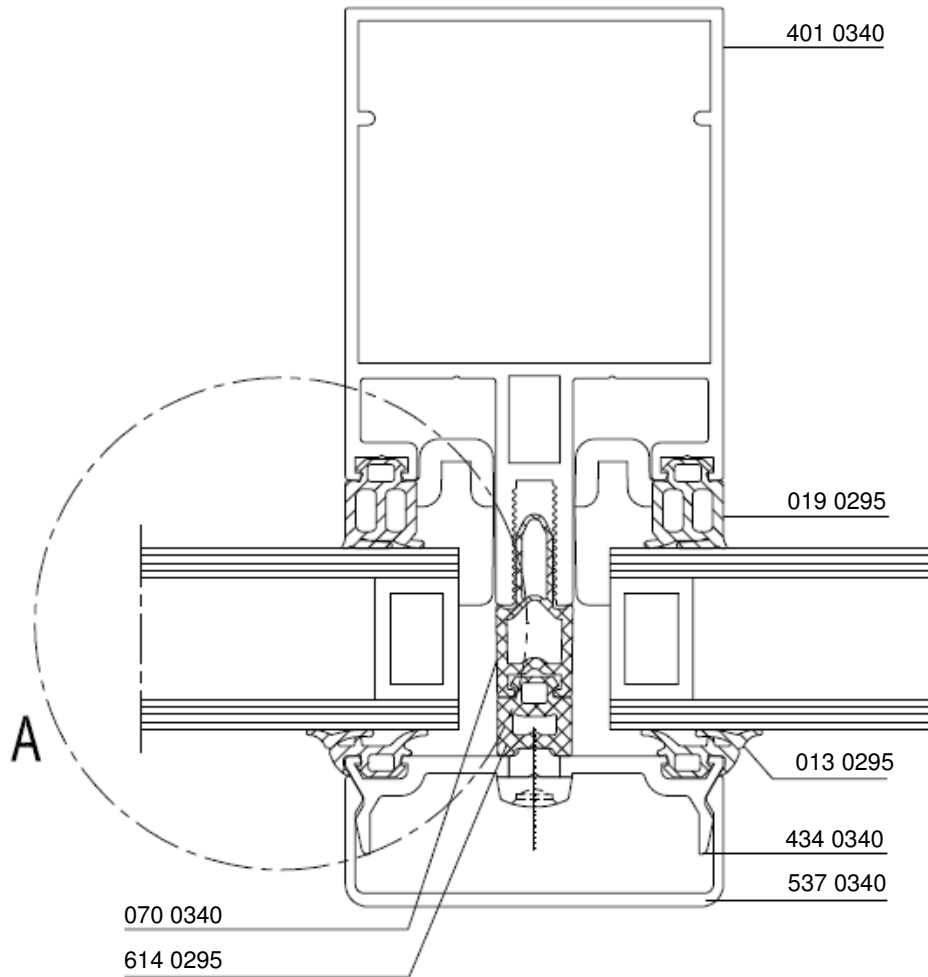


$$f = \frac{F \times d^4}{24 \times E \times I} \times (3L^2 - 4d^2)$$

$f < 0.3 \text{ cm}$
 F = charge ponctuelle $\frac{Q}{2}$
 $Q = \frac{L \times H}{10\,000} \times \text{poids/m}^2 \text{ de l'EdR}$
 $d = \frac{L}{10}$ en cm (voir DTU 39, calage d'EdR)

E = module d'élasticité en daN/cm²
 (pour l'aluminium E = 700 000 daN/cm²)
 L = largeur de l'EdR en cm
 H = hauteur de l'EdR en cm
 1 daN = 1.02 kg





A

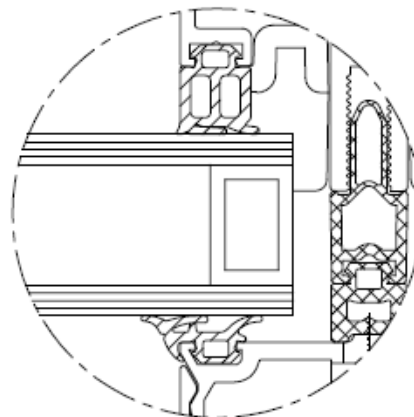
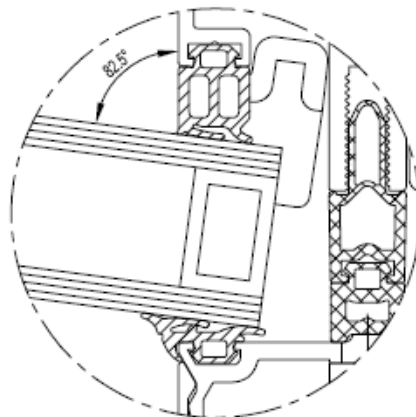
DETAIL A

165° - 180°

015 0295 / 017 0295
019 0295 / 021 0295

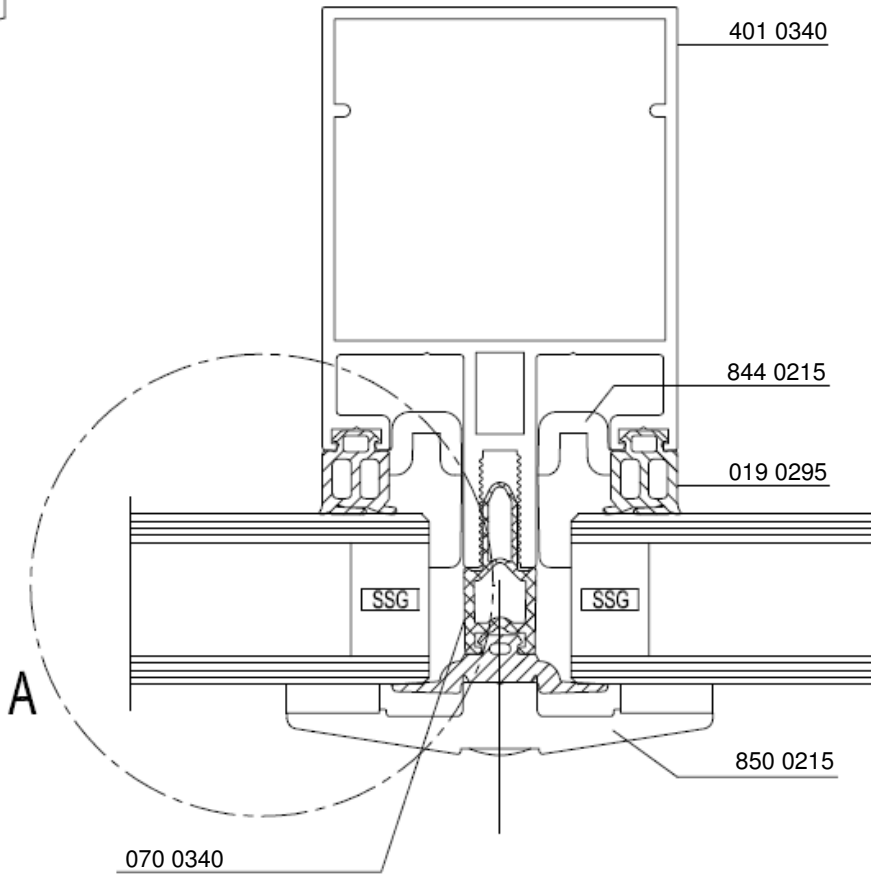
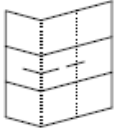
180°

015 0295 / 015 0295
019 0295 / 021 0295



Nœuds

Trame horizontale



SSG Vitrage extérieur collé

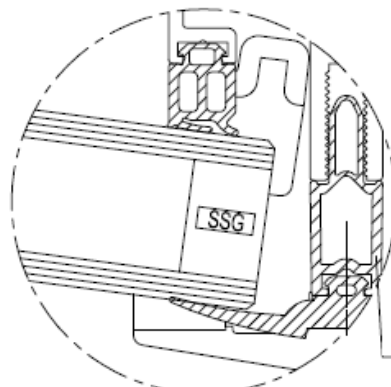
DETAIL A

165° - 180°

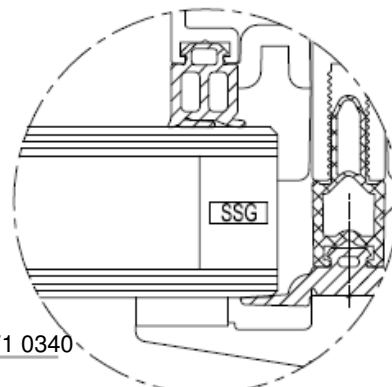
015 0295 / 017 0295
019 0295 / 021 0295

180°

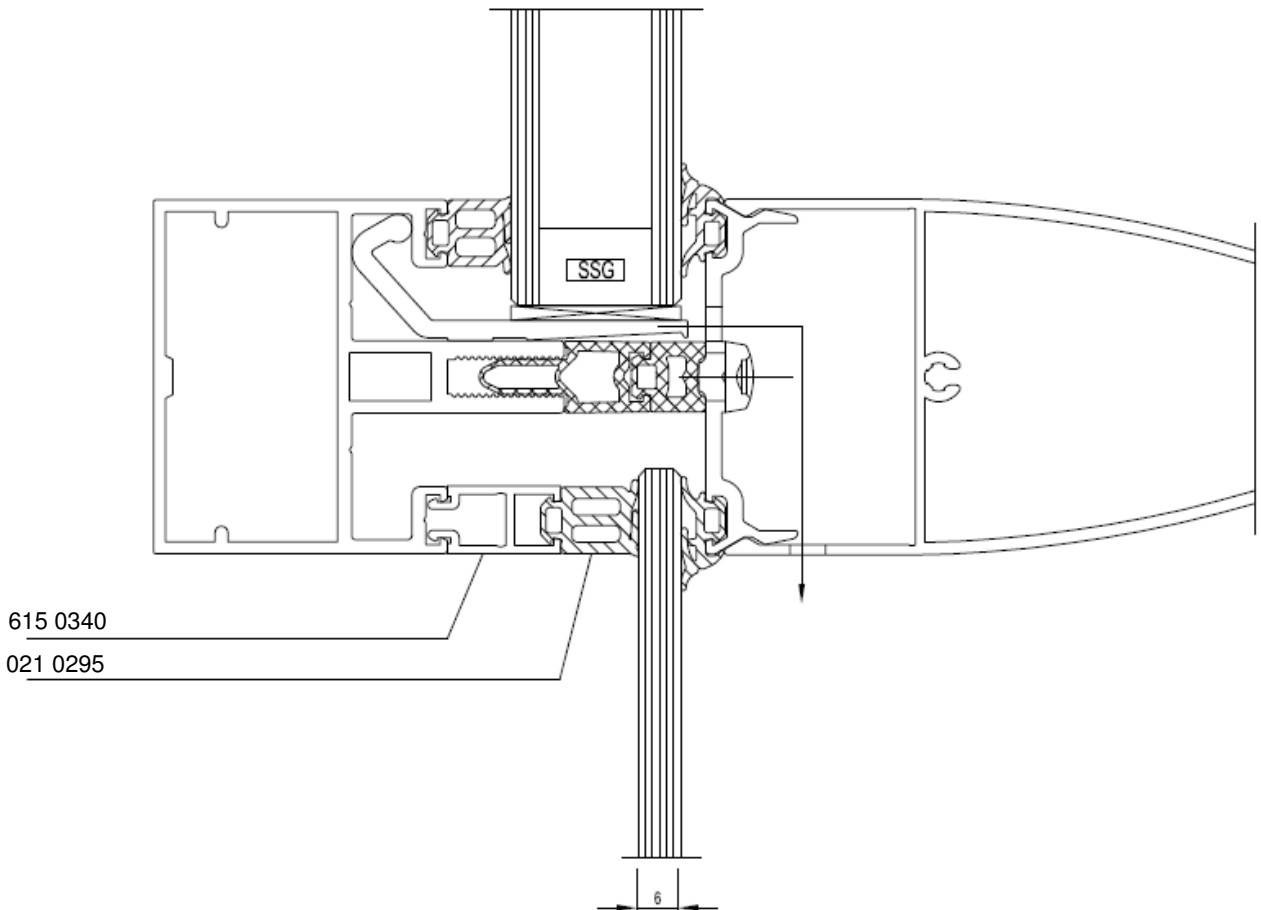
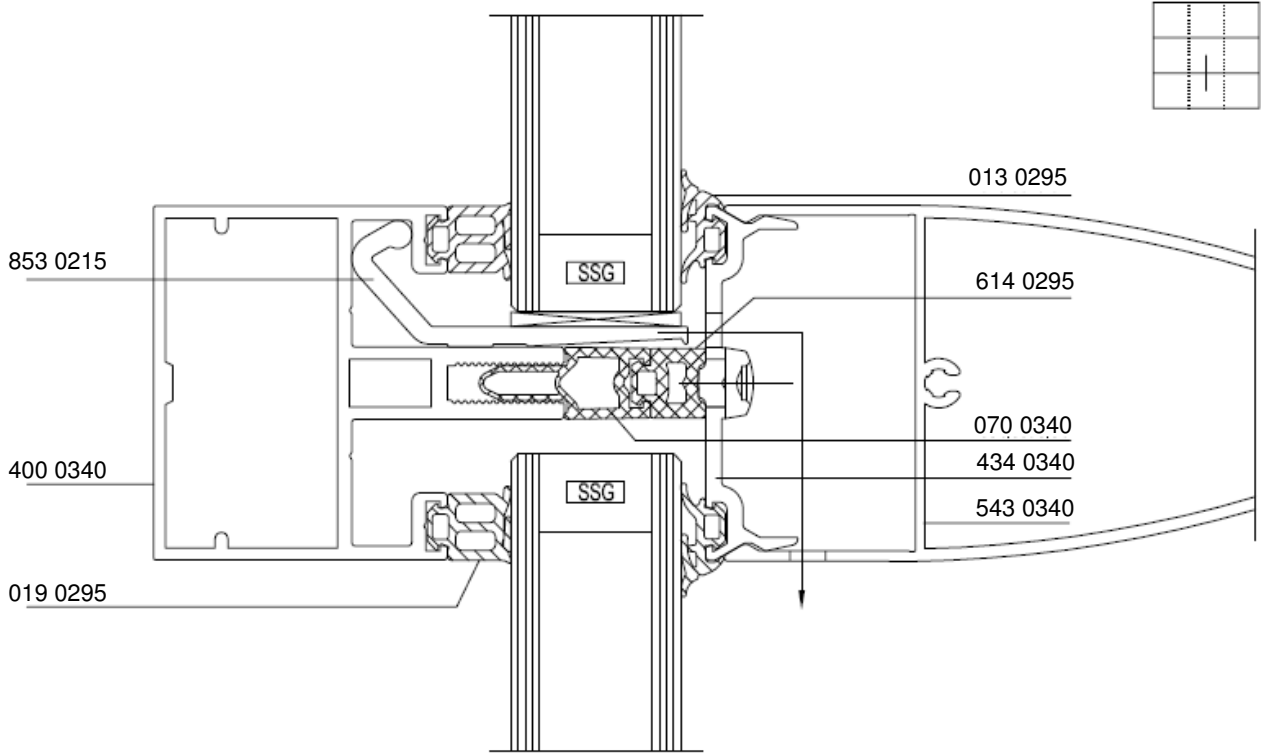
015 0295 / 017 0295
019 0295 / 021 0295



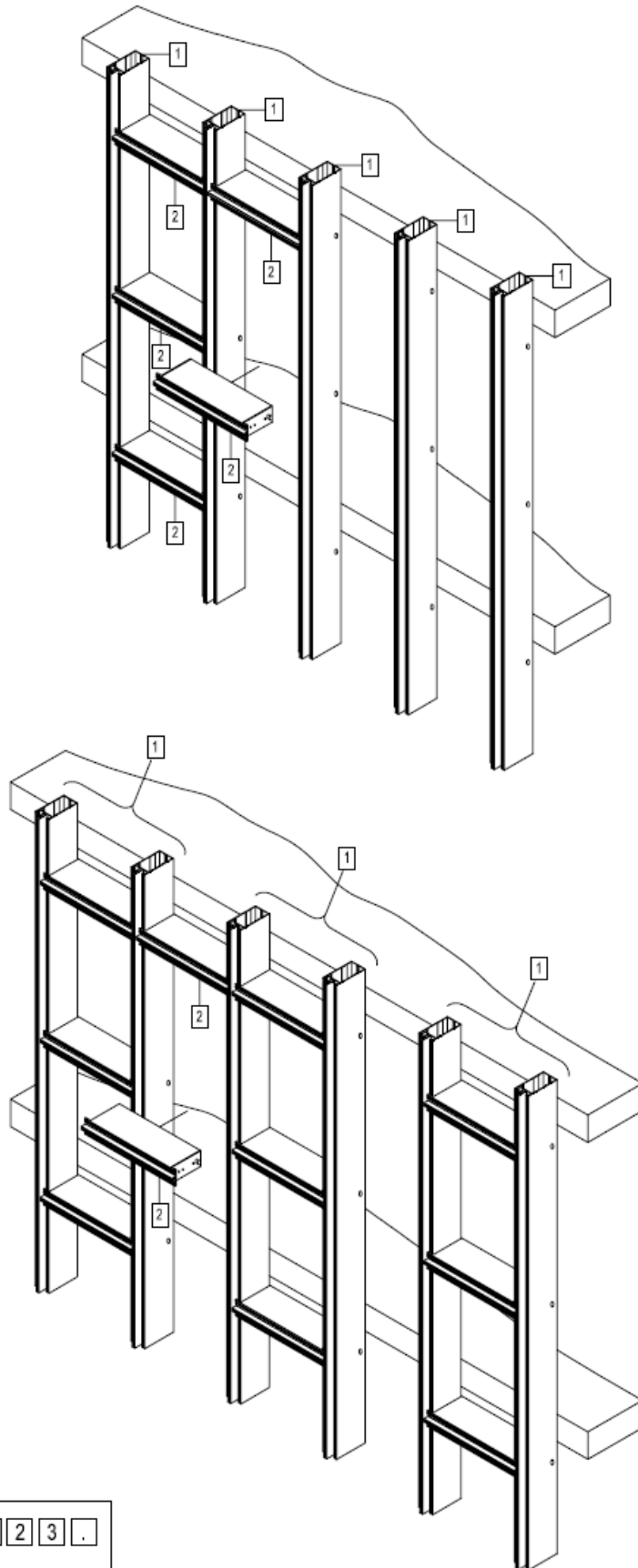
336 0809



335 0809



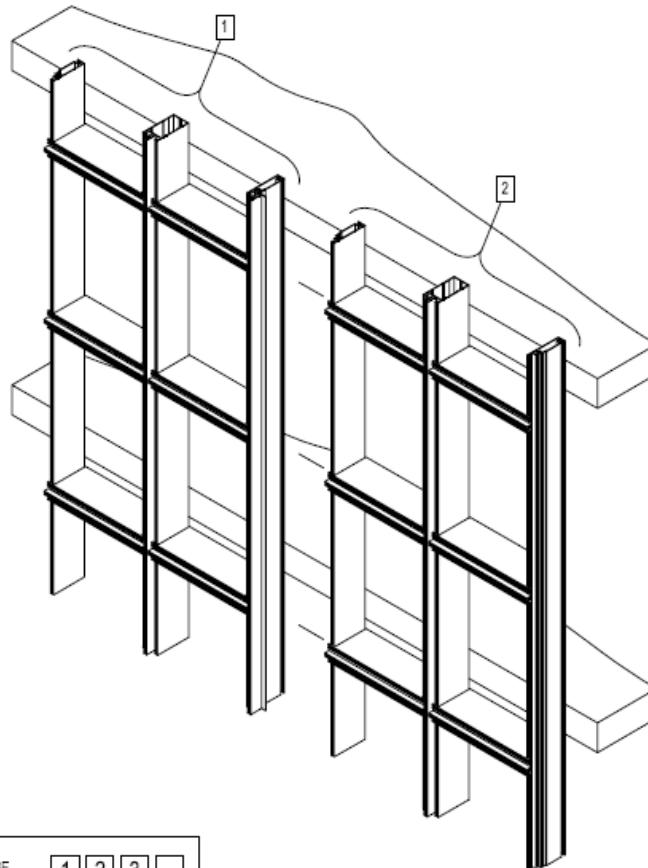
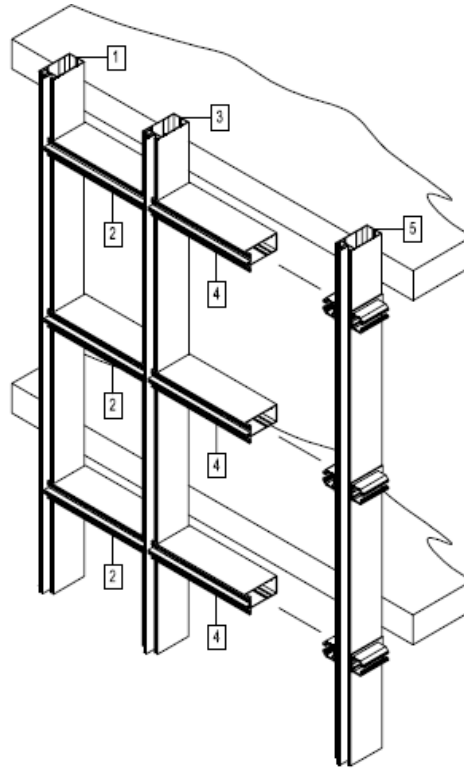
Possibilités d'assemblage



L'ORDRE DE MONTAGE

1 2 3 .

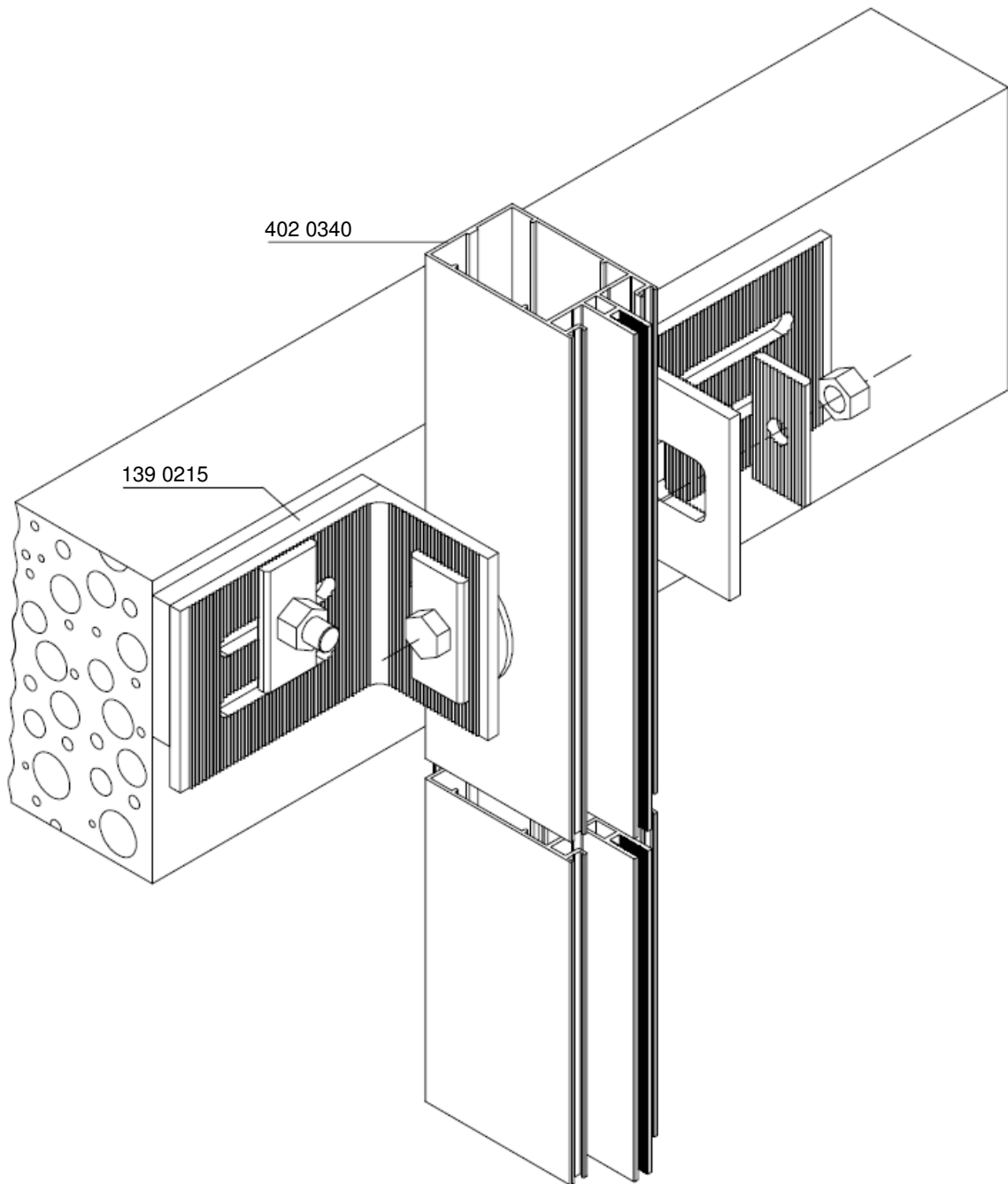
Possibilités d'assemblage



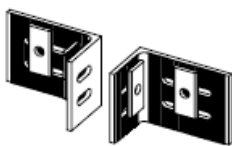
L'ORDRE DE MONTAGE

1	2	3	.
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Ancrage intermédiaire



138 0215



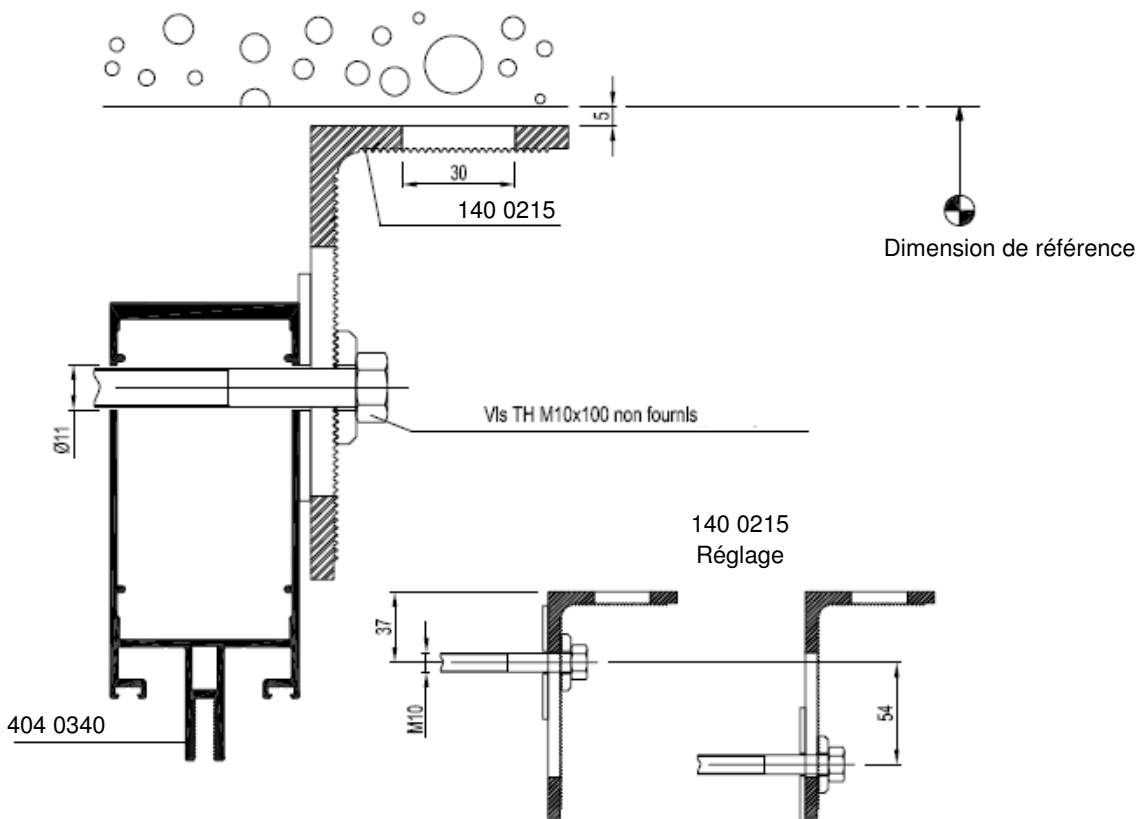
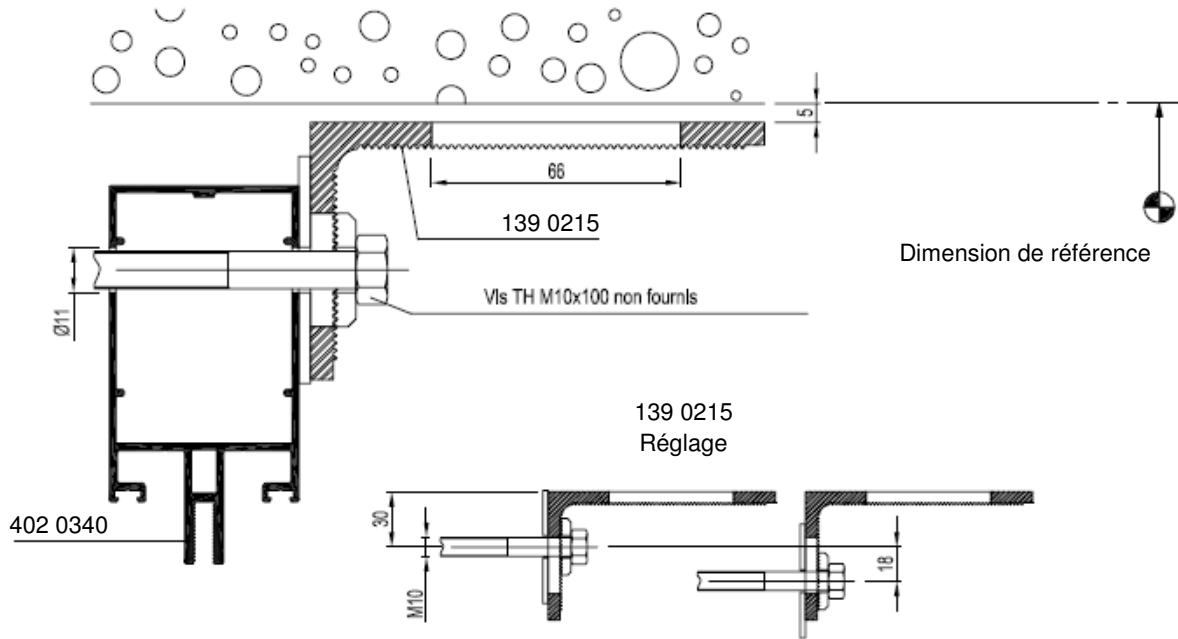
139 0215



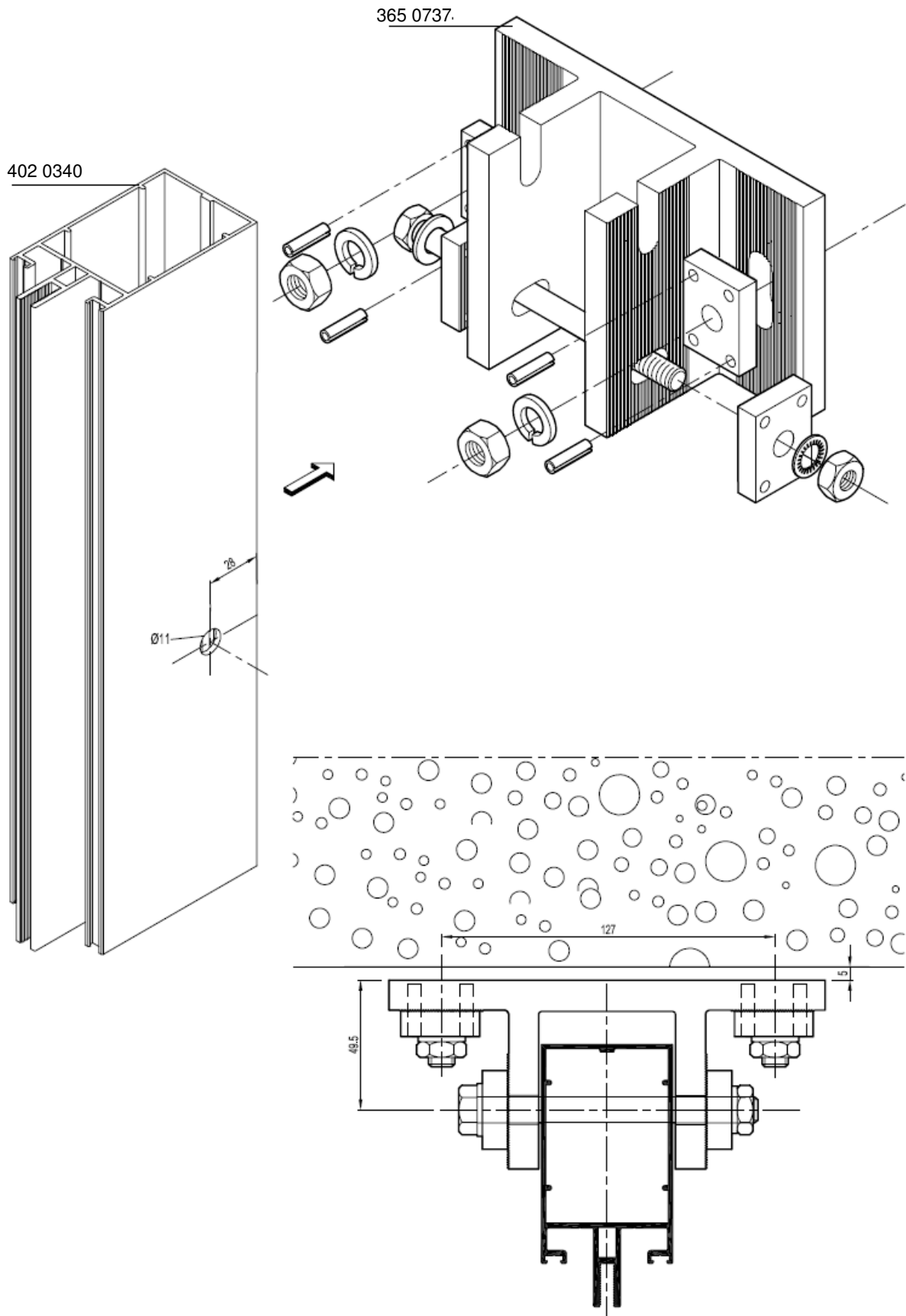
140 0215



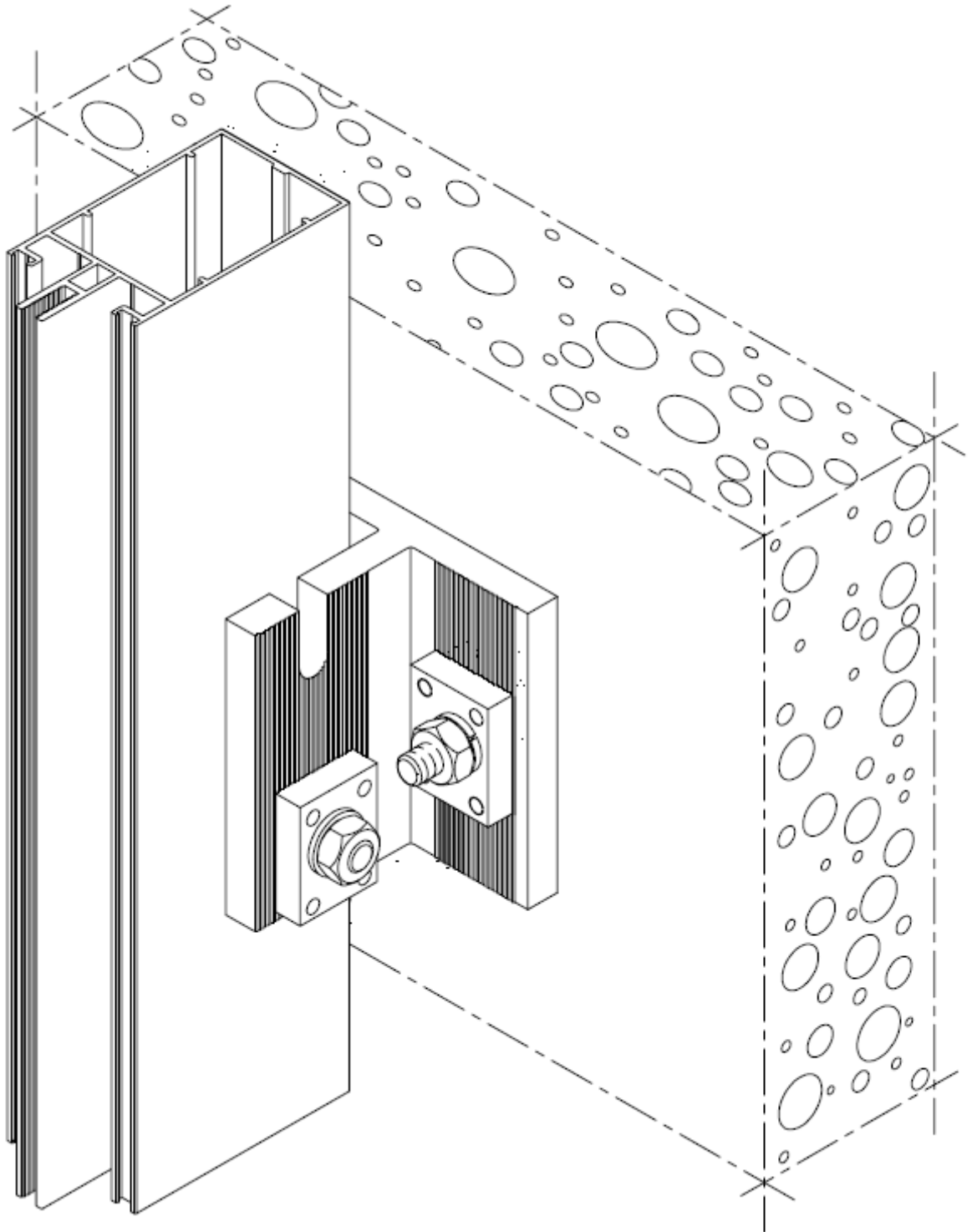
Ancrage intermédiaire



Ancrage intermédiaire

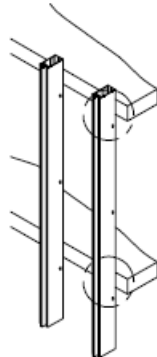


Ancrage intermédiaire

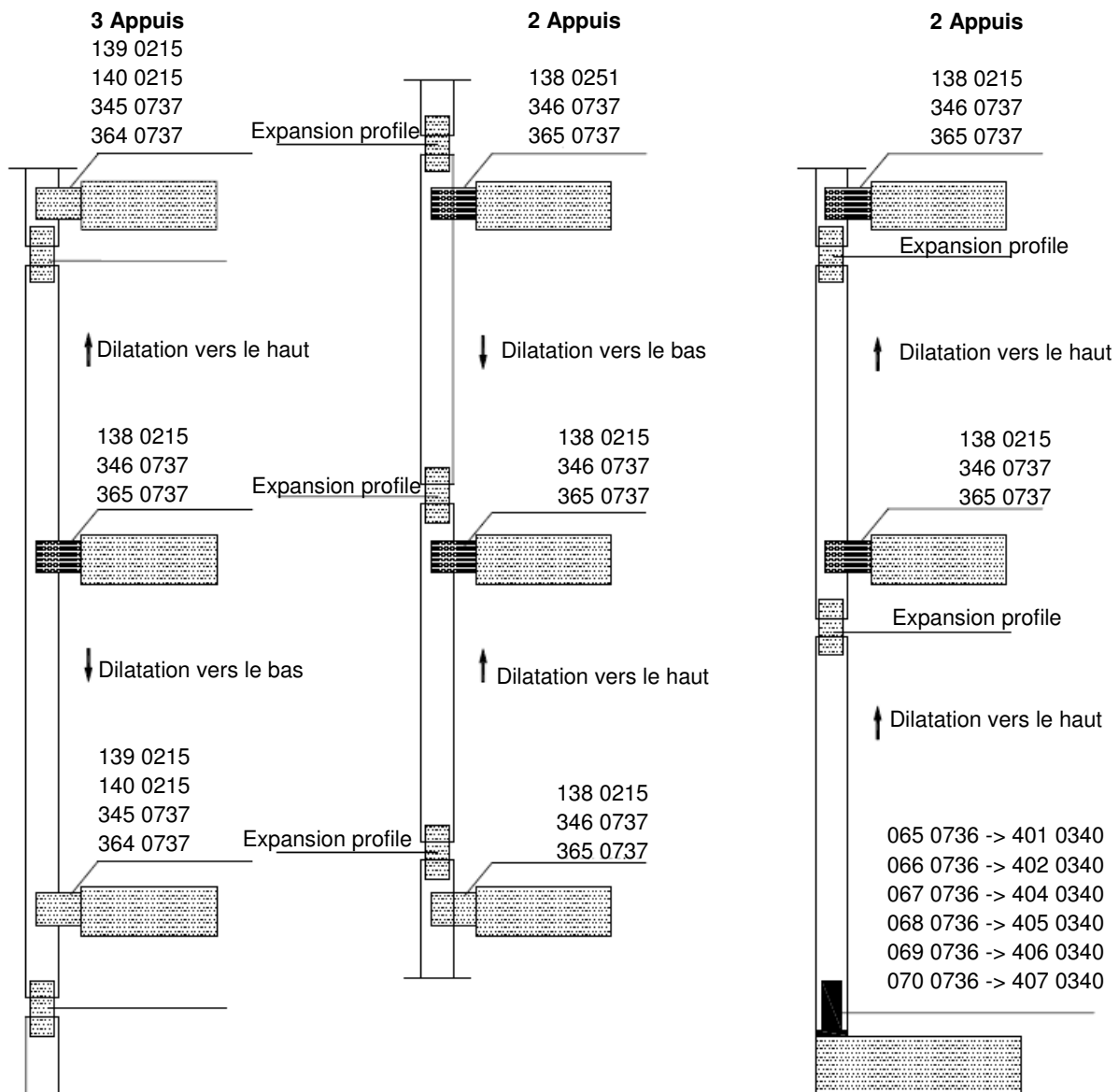
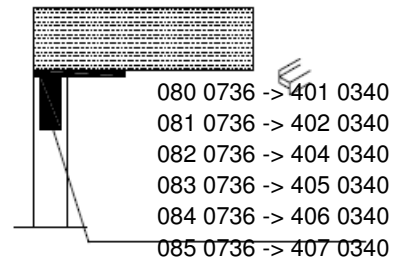


Ancrage intermédiaire

Répartition en fonction des appuis

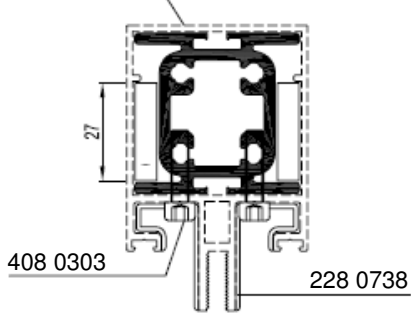


Ancrage au plafond

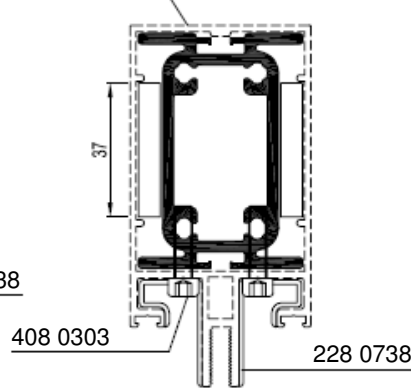


Ancrage au sol

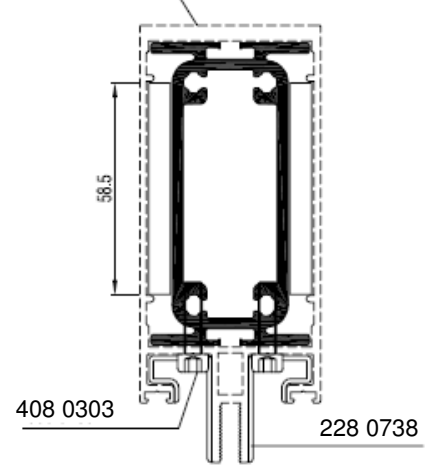
401 0340



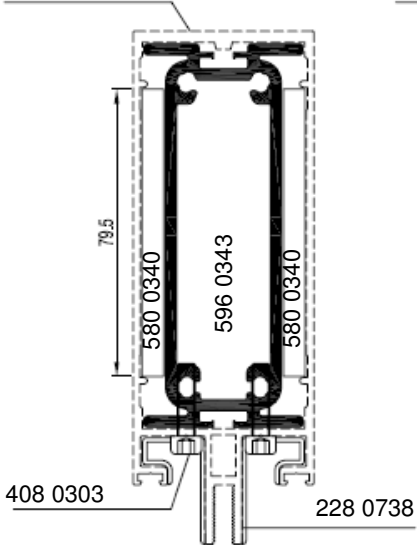
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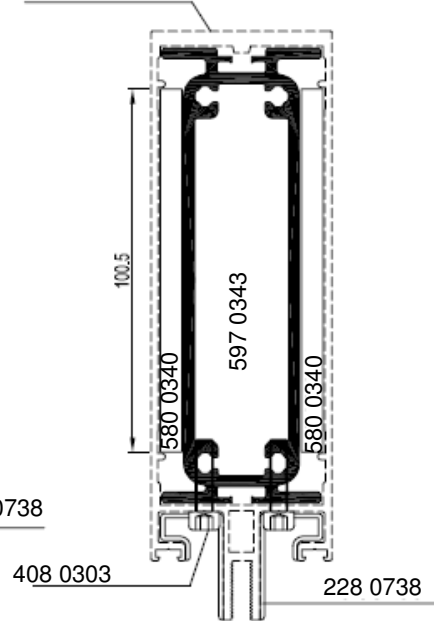
404 0340



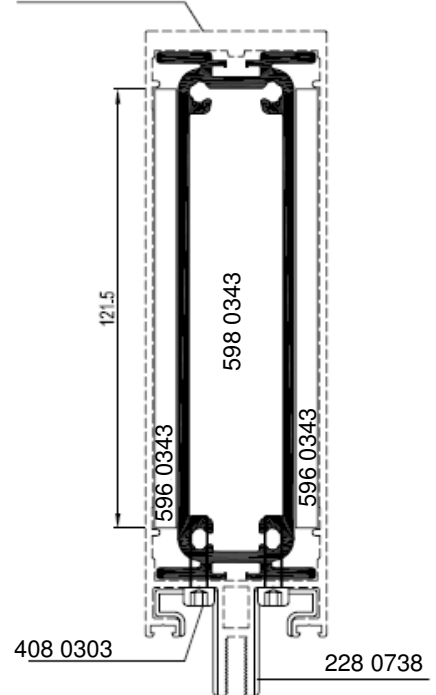
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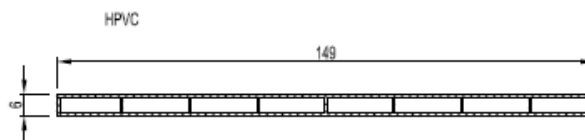
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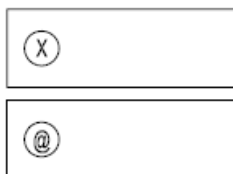
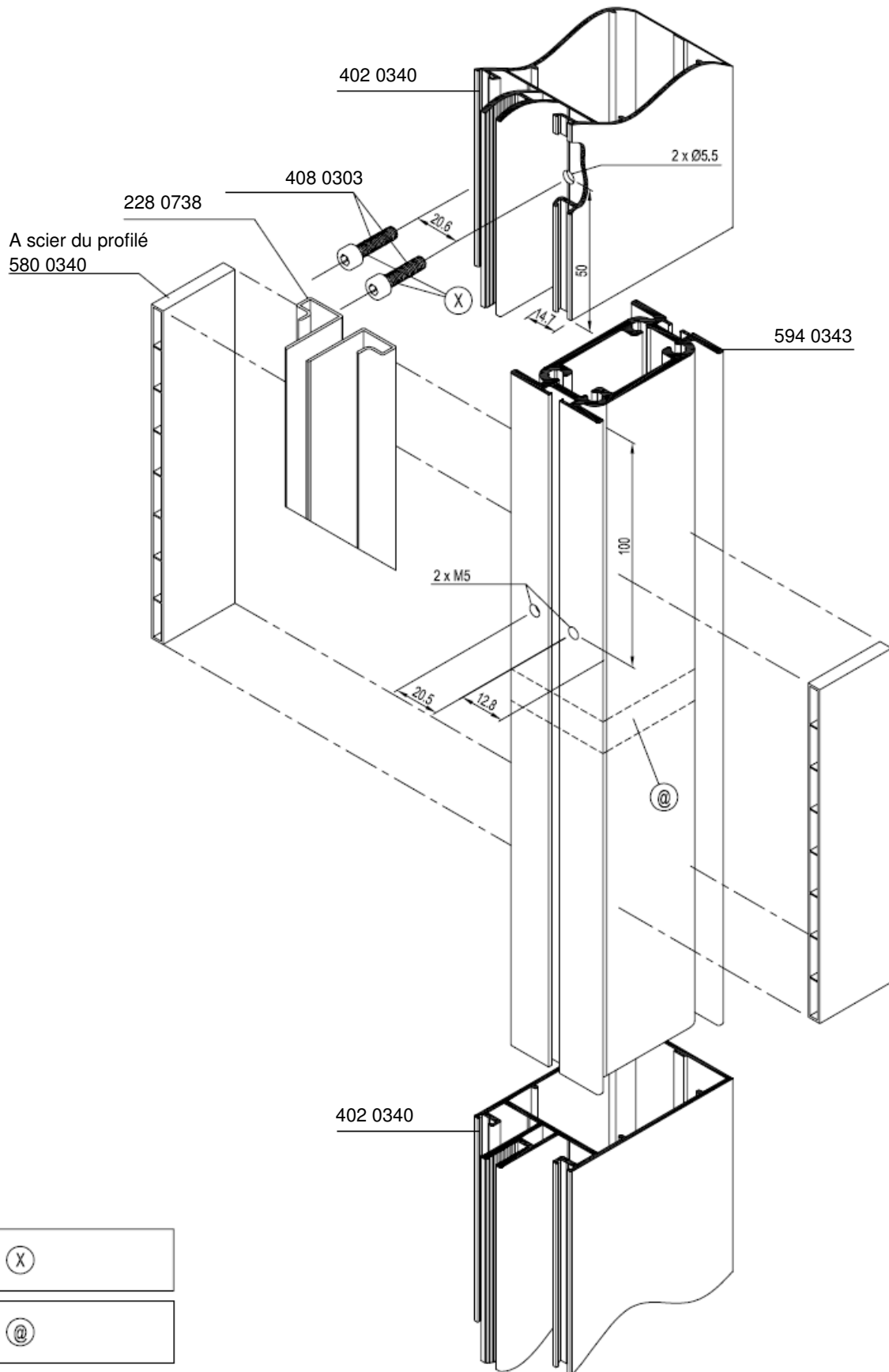
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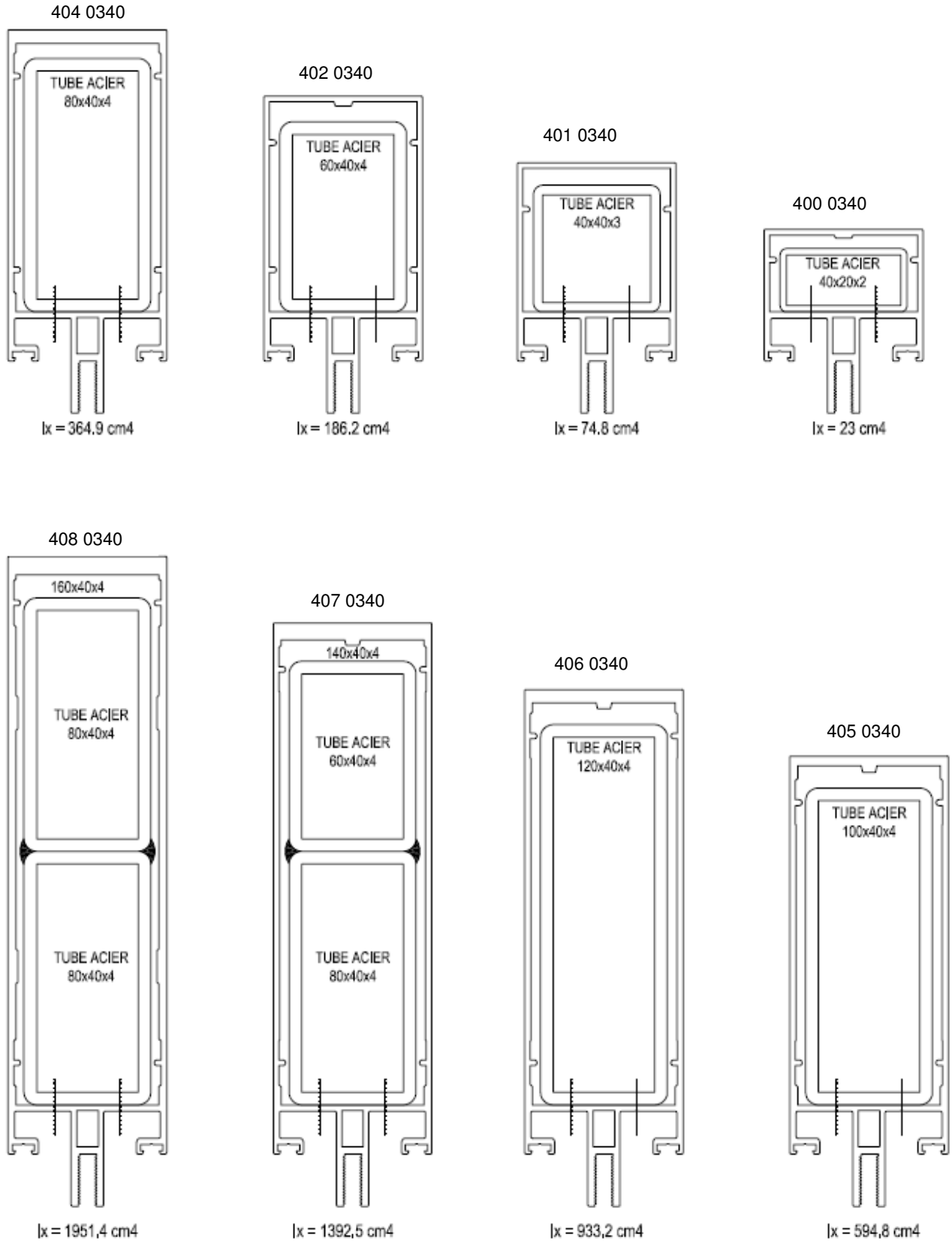
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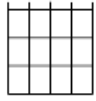
Dilatation



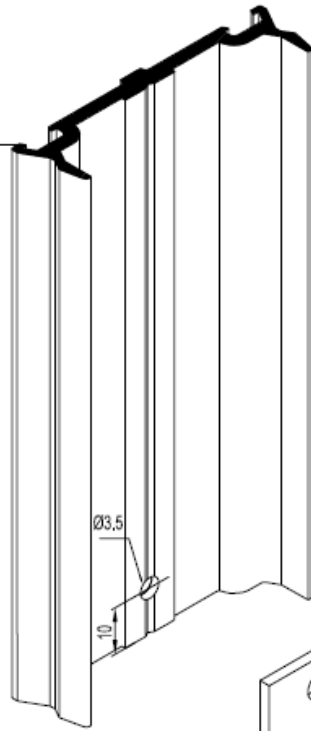
Renfort acier



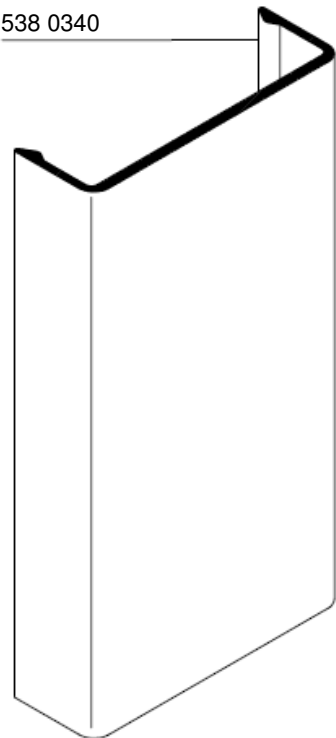
Montage des embouts



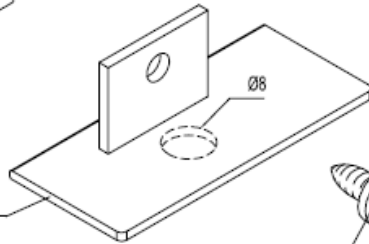
434 0340



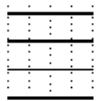
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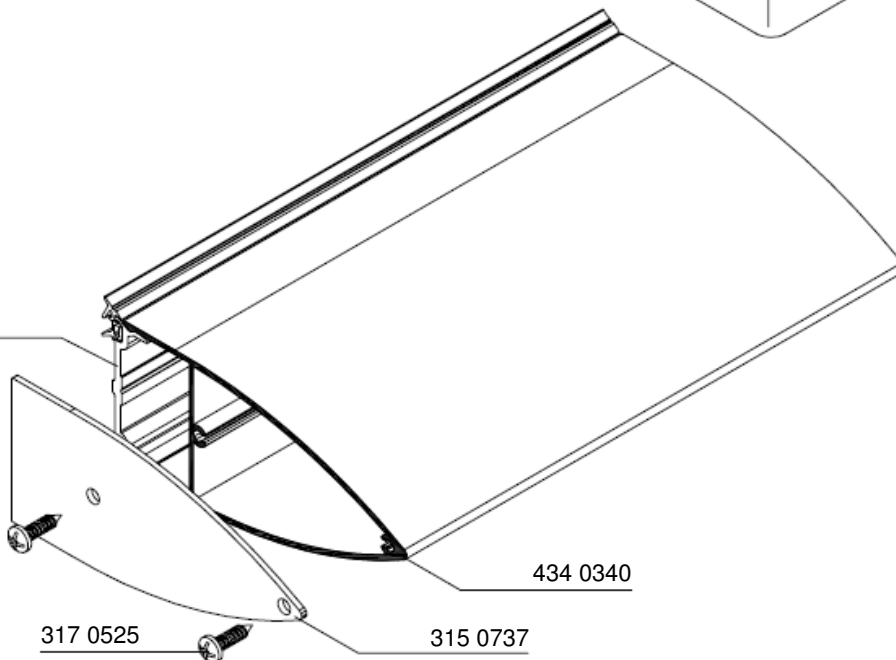
111 0736



360 0525



435 0340

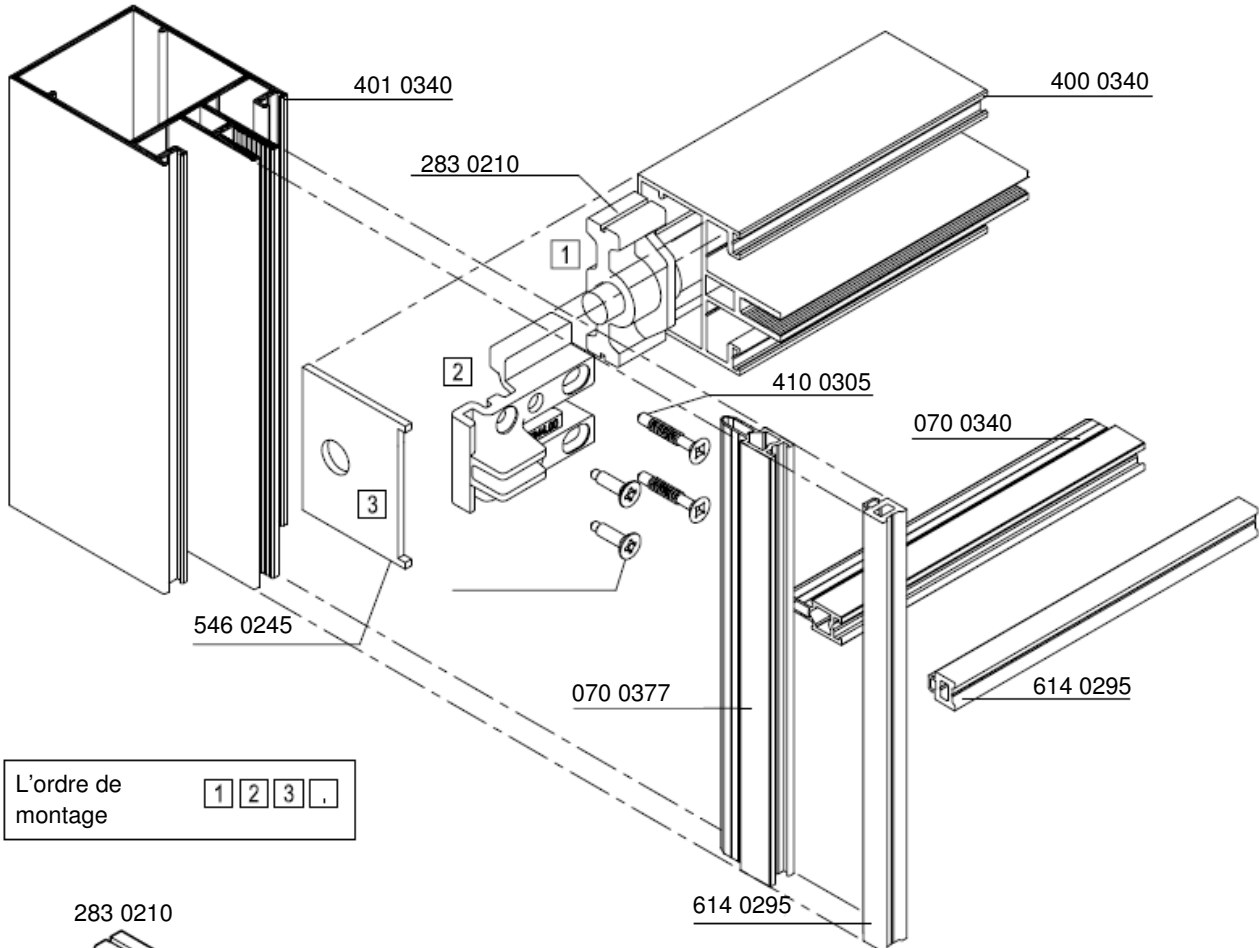


434 0340

317 0525

315 0737

Assemblage traverses



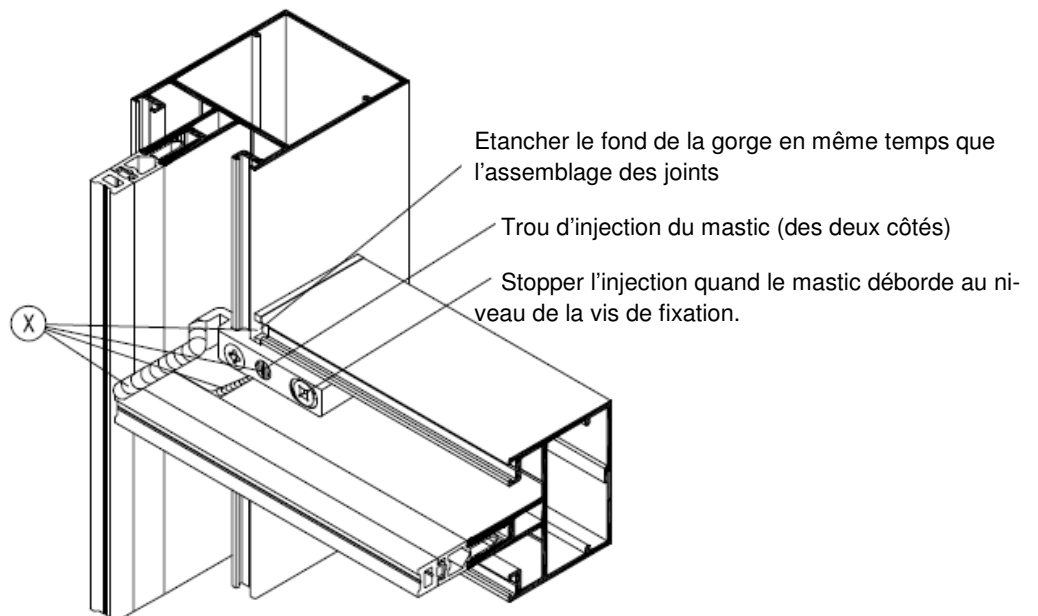
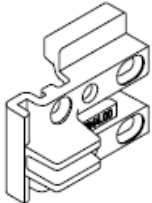
L'ordre de montage

1	2	3	.
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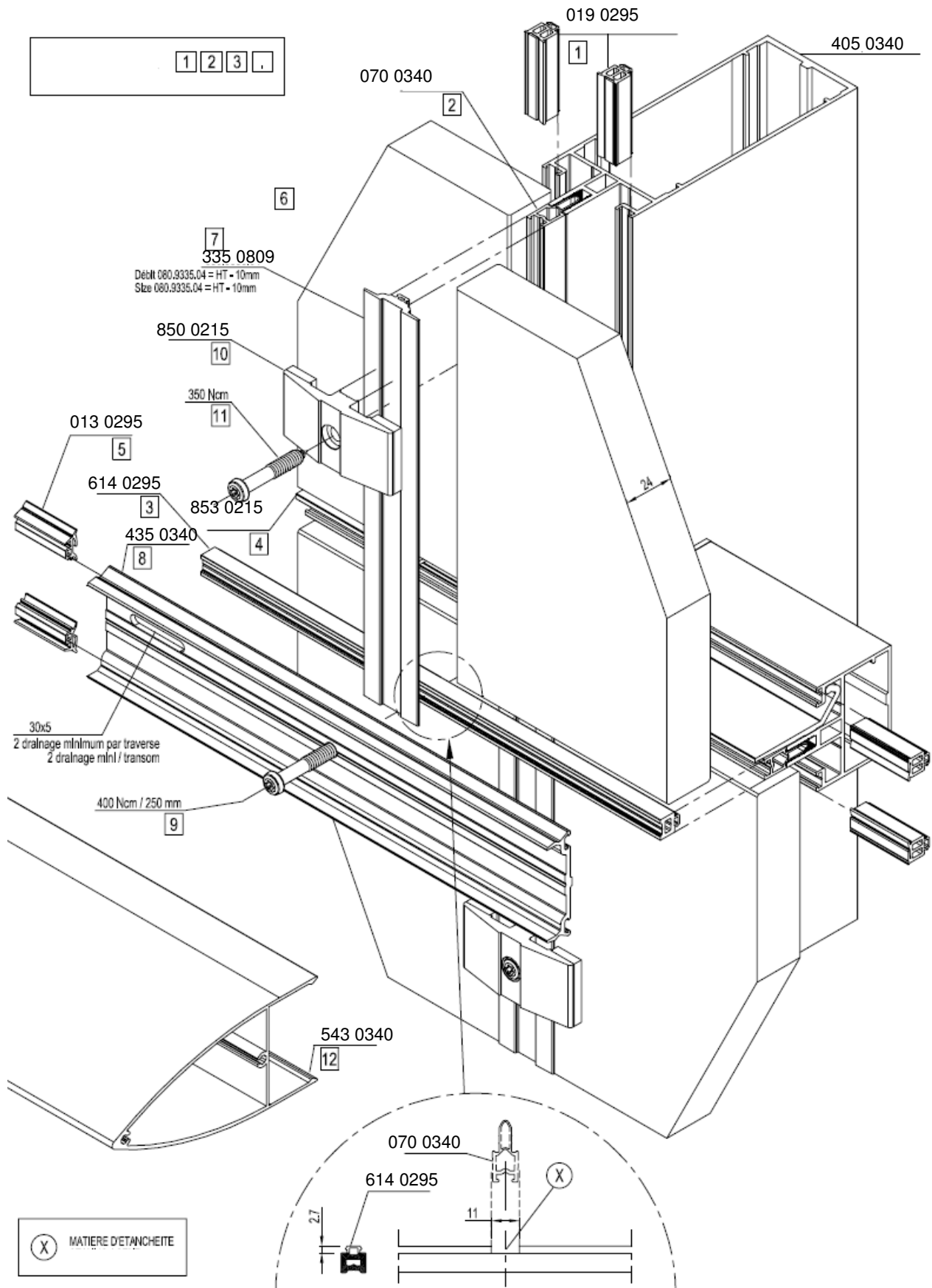
283 0210



844 0215



Aperçu trame horizontale



Aperçu trame horizontale

