

VISS Fire TVS (schräg)

Wärmegeämmte Brandschutz-Dachverglasungen

VISS Fire TVS (oblique)

Verrières de protection incendie à rupture de pont thermique

VISS Fire TVS (sloping)

Thermally insulated fire-resistant roof glazings

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Alle Ausführungen dieser Dokumentation haben wir sorgfältig und nach bestem Wissen zusammengestellt. Wir können aber keine Verantwortung für die Benützung der vermittelten Vorschläge und Daten übernehmen. Wir behalten uns technische Änderungen ohne Vorankündigung vor.

Nous avons apporté le plus grand soin à l'élaboration de cette documentation. Cependant, nous déclinons toute responsabilité pour l'utilisation faite de nos propositions et de nos données. Nous nous réservons le droit de procéder à des modifications techniques sans préavis.

All the information contained in this documentation is given to the best of our knowledge and ability. However, we decline all responsibility for the use made of these suggestions and data. We reserve the right to effect technical modifications without prior warning.

VISS Fire E30 TVS (schräg)
Standardlösung

Füllelementstärken 27-33 mm

Wärmegeämmte, auf dem System der Trockenverglasung basierende Pfosten-Riegelkonstruktion für Brandschutz-Schrägverglasungen.

Anwendung:
E30
EI30

VISS Fire E30 TVS (oblique)
Solution standard

Eléments de remplissage 27-33 mm

Construction à montants et traverses à rupture de pont thermique basée sur le système de vitrage à sec pour vitrages inclinés de protection incendie.

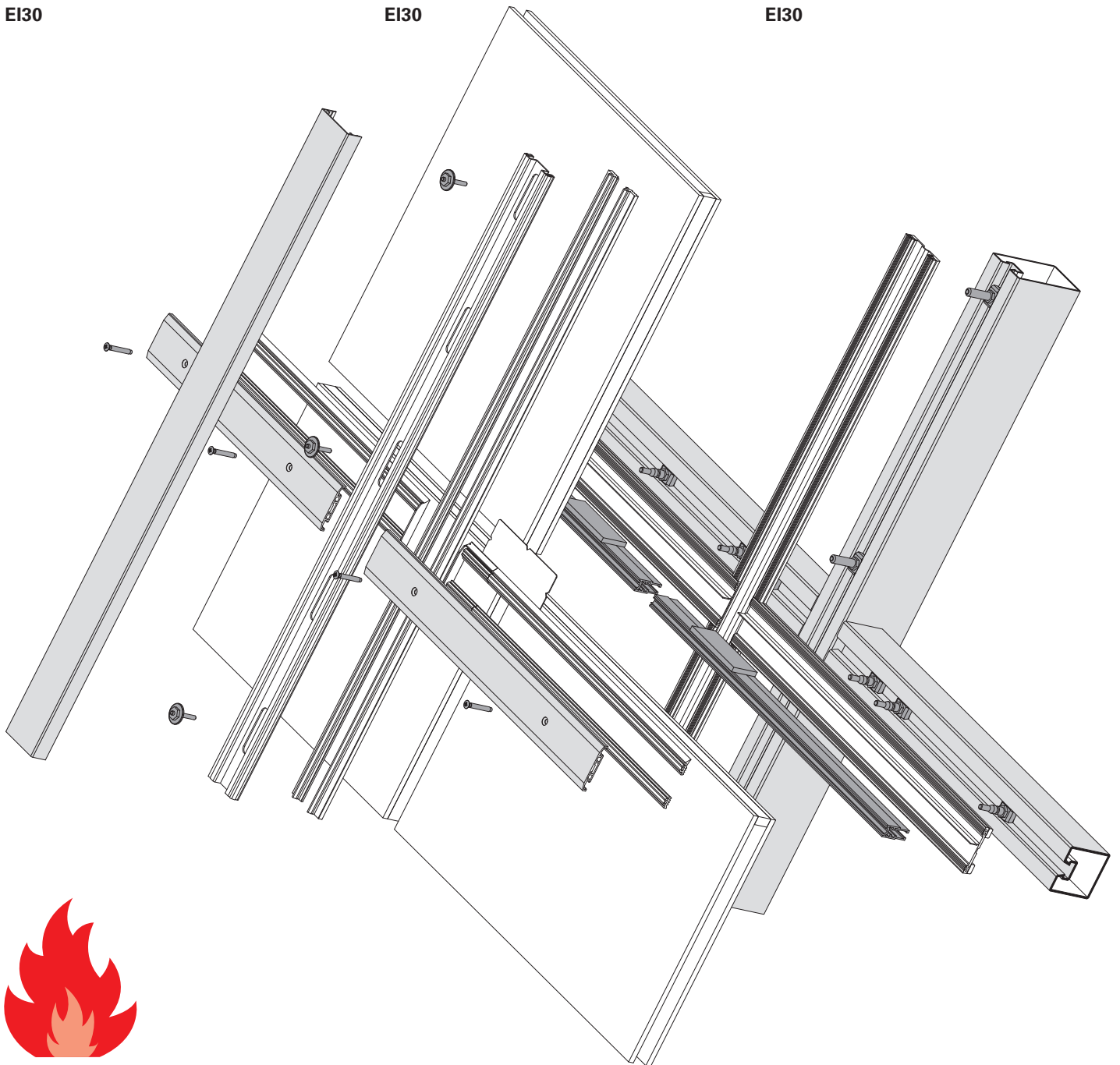
Application:
E30
EI30

VISS Fire E30 TVS (sloping)
Standard solution

Infill elements 27-33 mm

Fully insulated curtain walling system, suitable for fire protection inclined glazed areas, using mullions and transoms and based on the dry glazing system.

Application:
E30
EI30



VISS Fire E30 TVS (schräg)
Sonderlösung

Füllelementstärken
12-26 mm und 34-57 mm

Wärmegeämmte, auf dem System der Trockenverglasung basierende Pfosten-Riegelkonstruktion für Brandschutz-Schrägverglasungen.

Anwendung:
E30
EI30

VISS Fire E30 TVS (oblique)
Solution spéciale

Éléments de remplissage
12-26 mm et 34-57 mm

Construction à montants et traverses à rupture de pont thermique basée sur le système de vitrage à sec pour vitrages inclinés de protection incendie.

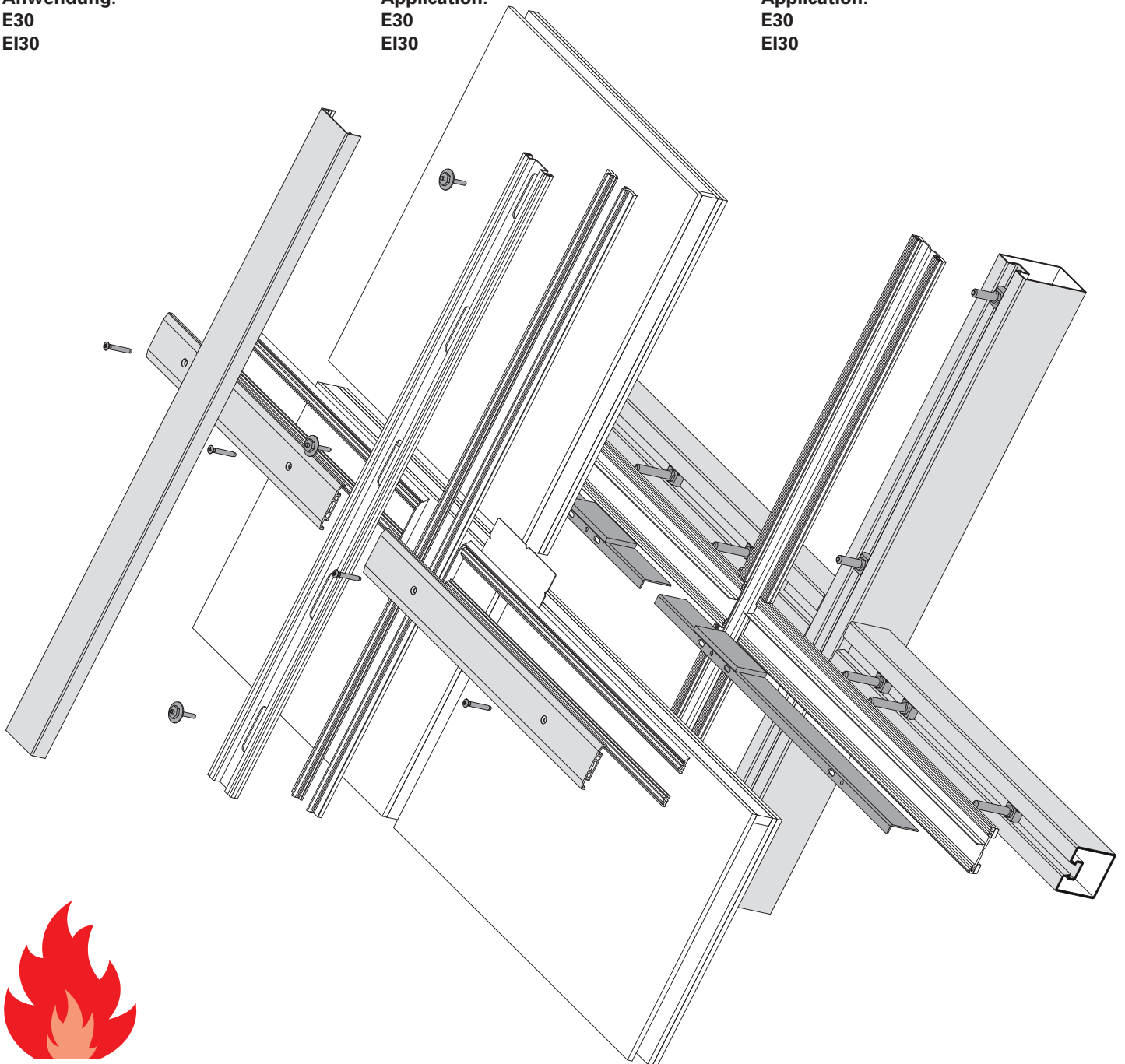
Application:
E30
EI30

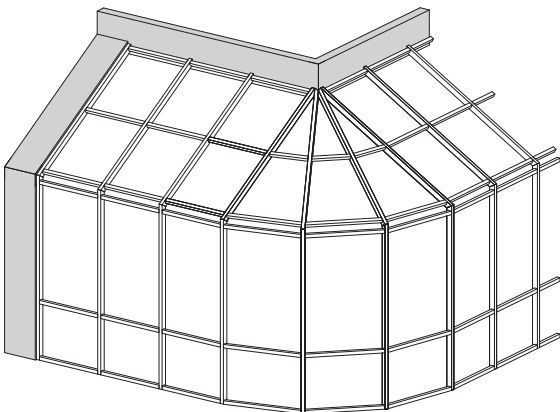
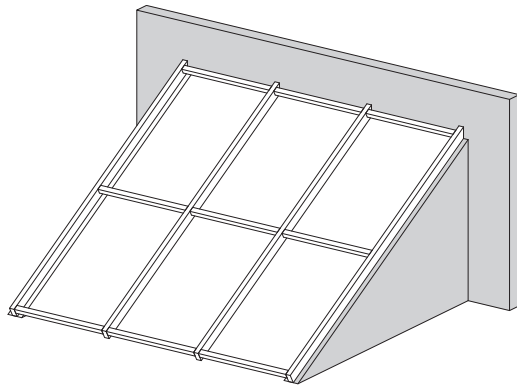
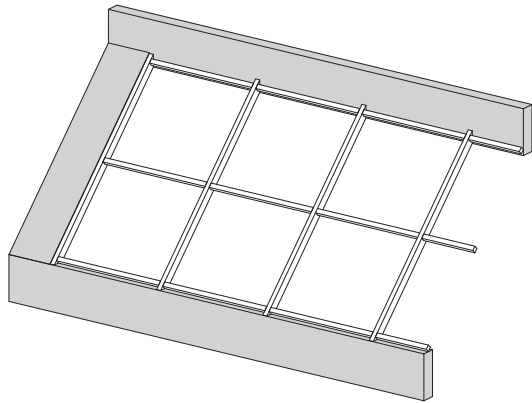
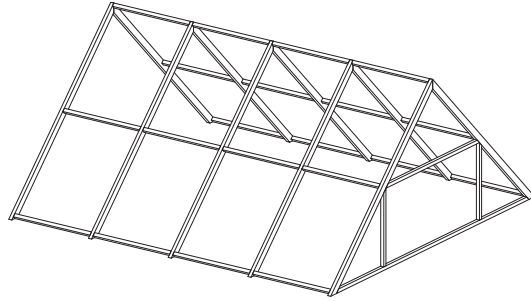
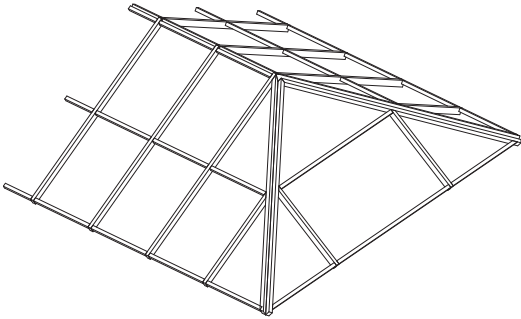
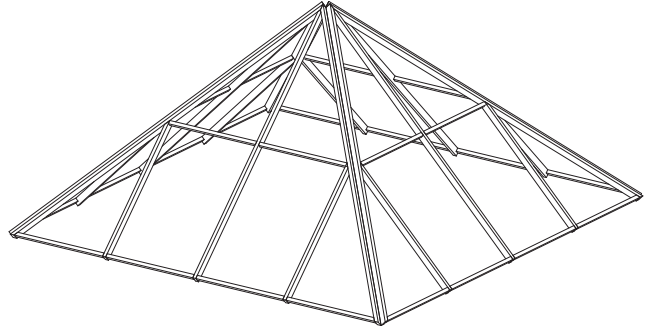
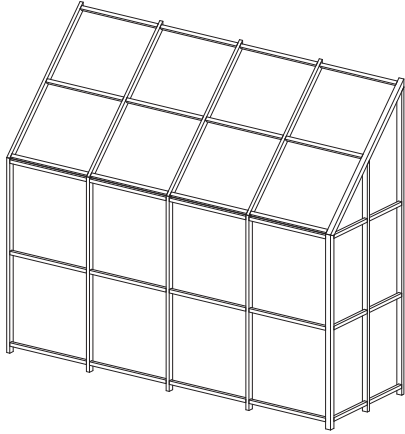
VISS Fire E30 TVS (sloping)
Customized solution

Infill elements
12-26 mm and 34-57 mm

Fully insulated curtain walling system, suitable for fire protection inclined glazed areas, using mullions and transoms and based on the dry glazing system.

Application:
E30
EI30





VISS Fire TVS (schräg)
Brandschutzverglasung Klasse E

VISS Fire TVS (oblique)
Vitrage pare-flammes Classe E

VISS Fire TVS (sloping)
Fire protection glazing Class E

CH: G30 SBZ 13632
DE: G30 Z-19.14-1995
A: E30 Klassifizierungsbericht Nr. 100 308 27-4 IBS Linz
F: Pare-flammes 30' Divers Procès-verbaux efectis france
GB: Integrity 1/2 h, 1 h BS 476:Part 22:1987 CC 223495 BRE GB-Bucknalls Lane, Harston, Watford, Herfordshire

CH: G30 SBZ 13632
DE: G30 Z-19.14-1995
A: E30 Klassifizierungsbericht Nr. 100 308 27-4 IBS Linz
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F: Pare-flammes 30' Divers Procès-verbaux efectis france
GB: Integrity 1/2 h, 1 h BS 476:Part 22:1987 CC 223495 BRE GB-Bucknalls Lane, Harston, Watford, Herfordshire

VISS Fire TVS (schräg)
Brandschutzverglasung Klasse EI

VISS Fire TVS (oblique)
Vitrage coupe feu Classe EI

VISS Fire TVS (sloping)
Fire protection glazing Class EI

A: EI30 Klassifizierungsbericht Nr. 100 308 27-4 IBS Linz
F: Coupe feu 30' Divers Procès-verbaux efectis france
GB: Integrity 1/2 h, 1 h BS 476:Part 22:1987 CC 223495 BRE GB-Bucknalls Lane, Harston, Watford, Herfordshire

A: EI30 Klassifizierungsbericht Nr. 100 308 27-4 IBS Linz
F: Coupe feu 30' Divers Procès-verbaux efectis france
GB: Integrity 1/2 h, 1 h BS 476:Part 22:1987 CC 223495 BRE GB-Bucknalls Lane, Harston, Watford, Herfordshire

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F: Coupe feu 30' Divers Procès-verbaux efectis france
GB: Integrity 1/2 h, 1 h BS 476:Part 22:1987 CC 223495 BRE GB-Bucknalls Lane, Harston, Watford, Herfordshire

Die landesspezifischen
Brandschutz-Zulassungen bzw.
deren Bestimmungen und
Vorschriften sind zu beachten.

Les certificats de protection
incendie spécifiques au pays,
leurs dispositions et leurs
prescriptions doivent être respectés.

Fire-protection approvals or
applicable national regulations
and determinations must be
observed.

Profile 50 mm (Massstab 1:3)

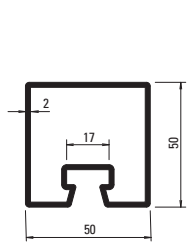
Profils 50 mm (échelle 1:3)

Profiles 50 mm (scale 1:3)

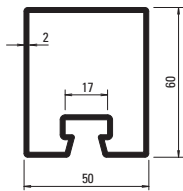
VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

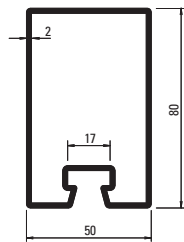
VISS Fire TVS (sloping)



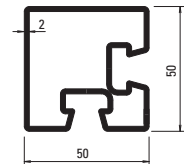
76.694
76.694 Z



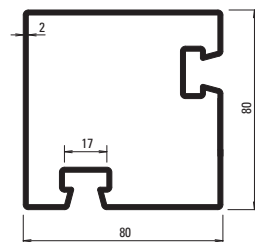
76.671
76.671 Z



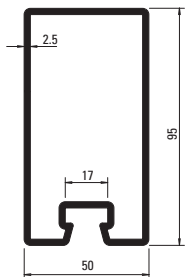
76.696
76.696 Z



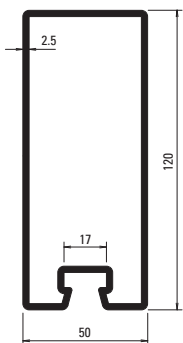
76.094
76.094 GV+GC



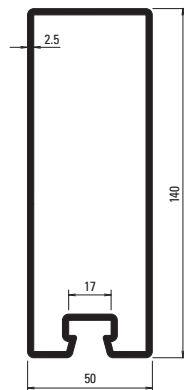
76.096
76.096 GV+GC



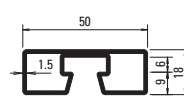
76.697
76.697 Z



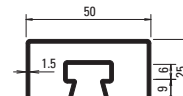
76.679
76.679 Z



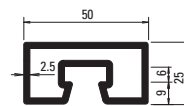
76.666
76.666 Z



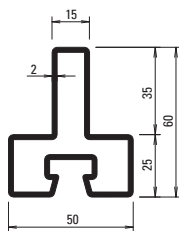
76.692
76.692 GV+GC



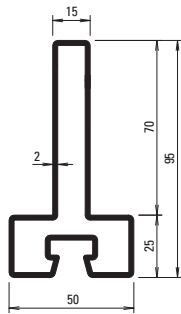
76.682
76.682 GV+GC



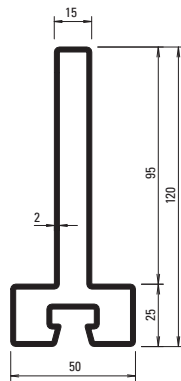
76.680
76.680 GV+GC



76.114
76.114 GV+GC



76.115
76.115 GV+GC



76.116
76.116 GV+GC

Profil-Nr.	G kg/m	F cm ²	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
76.094	4,090	5,21	15,20	5,90	15,20	5,90	0,280
76.096	6,000	7,64	68,50	16,79	68,53	16,79	0,391
76.114	3,820	4,87	15,36	4,14	9,79	3,91	0,251
76.115	4,920	6,27	54,76	9,31	10,38	4,15	0,321
76.116	5,710	7,27	105,00	14,31	10,81	4,32	0,371
76.666	7,910	10,10	240,0	32,10	43,50	17,40	0,412
76.671	3,860	4,90	23,2	7,20	17,30	6,90	0,260

Profil-Nr.	G kg/m	F cm ²	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
76.679	7,120	9,07	162,0	25,20	37,90	15,20	0,373
76.680	3,390	4,32	3,17	2,38	11,08	4,43	0,182
76.682	2,120	2,70	2,34	1,81	7,20	2,90	0,190
76.692	1,900	2,52	0,85	0,81	6,00	2,40	0,176
76.694	3,500	4,50	15,0	5,70	14,80	5,90	0,240
76.696	4,450	5,70	48,4	11,50	21,80	8,70	0,300
76.697	6,100	7,90	92,0	17,90	31,00	12,40	0,330

Deckprofile 50 mm (Masstab 1:3)

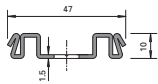
Profils de recouvrement 50 mm (échelle 1:3)

Cover sections 50 mm (scale 1:3)

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

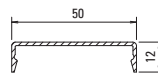
VISS Fire TVS (sloping)



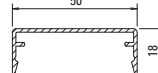
400.867



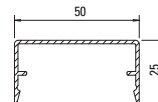
400.867 Z



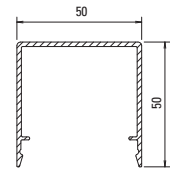
407.860



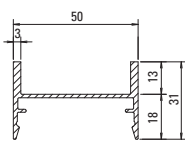
407.861



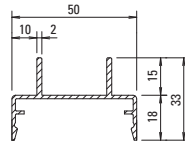
407.862



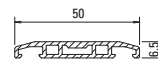
407.863



407.900



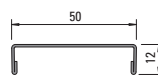
407.911



407.815*

**Edelstahl-Abdeckprofile
Werkstoff 1.4301 (AISI 304)**

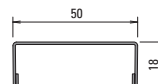
geschliffen, Korn 220/240,
mit Schutzfolie, Länge 6 m



400.860

**Profilé de recouvrement acier Inox
Qualité 1.4301 (AISI 304)**

meulé, degré 220/240, avec feuille
de protection, longueurs 6 m



400.861

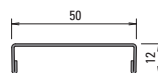
**Stainless steel cover sections
Material 1.4301 (AISI 304)**

polished, grain 220/240,
with protective film, length 6 m



**Edelstahl-Abdeckprofile
Werkstoff 1.4401 (AISI 316)**

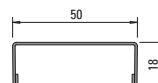
geschliffen, Korn 220/240,
mit Schutzfolie, Länge 6 m



400.862

**Profilé de recouvrement acier Inox
Qualité 1.4401 (AISI 316)**

meulé, degré 220/240, avec feuille de
protection, longueurs 6 m



400.863

**Stainless steel cover sections
Material 1.4401 (AISI 316)**

polished, grain 220/240,
with protective film, length 6 m

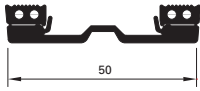
Profil-Nr.	G kg/m	U m ² /m	P m ² /m
407.860	0,266	0,147	0,072
407.861	0,341	0,185	0,084
407.862	0,394	0,213	0,098
407.863	0,660	0,313	0,148
407.900	0,556	0,240	0,138
407.911	0,510	0,245	0,146

Profil-Nr.	G kg/m
400.860	0,644
400.861	0,734
400.862	0,652
400.863	0,744

Dichtungen
Klasse E30
Klasse EI30

Joints
Classe E30
Classe EI30

Gaskets
Class E30
Class EI30



455.547

Innendichtung vertikal
schwer entflammbar, schwarz,
50 mm breit

VE = 50 m

455.547

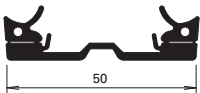
Joint intérieur vertical
difficilement combustible, noir,
largeur 50 mm

UV = 50 m

455.547

Inner gasket vertical
flame retardant, black,
50 mm wide

PU = 50 m



455.549

Innendichtung vertikal
schwer entflammbar, schwarz,
50 mm breit

Einsatz:
polygonale Dachverglasungen

VE = 50 m

455.549

Joint intérieur vertical
difficilement combustible, noir,
largeur 50 mm

Utilisation:
verrières polygonales

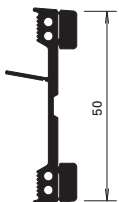
UV = 50 m

455.549

Inner gasket vertical
flame retardant, black,
50 mm wide

Application:
polygonal roof glazing

PU = 50 m



455.548

Innendichtung horizontal
schwer entflammbar, schwarz,
50 mm breit

Einsatz:
Riegel im Dachbereich

VE = 50 m

455.548

Joint intérieur horizontal
difficilement combustible, noir,
largeur 50 mm

Utilisation:
traverse de verrière

UV = 50 m

455.548

Inner gasket horizontal
flame retardant, black,
50 mm wide

Application:
transom in roof area

PU = 50 m



450.096

Kleb- und Dichtmasse
schwarz, für das Abdichten der
Dichtungs-Stösse und -Durch-
brüche von schwer entflamm-
baren Dichtungen.

VE = 1 Kartusche 310 cm³

Klebestellen mit 3M-Primer 94
vorbehandeln.

450.096

Pâte à coller et à étancher
noir, pour étancher les raccorde-
ments et les points de raccord
des joints difficilement com-
bustible

UV = 1 cartouche de 310 cm³

Traiter au préalable les points de
collage avec 3M-Primer 94.

450.096

Adhesive and sealing compound
black, for sealing gasket joints
and breaks, flame retardant.

PU = 1 cartridge 310 cm³

Pre-treat contact spots with
3M primer 94

Dichtungen
Klasse E30
Klasse EI30

Joints
Classe E30
Classe EI30

Gaskets
Class E30
Class EI30



455.508

Aussendichtung

schwer entflammbar, schwarz,
für Anpressprofile 400.867 und
400.867 Z

Einsatz: Sparren

VE = 100 m

455.508

Joint extérieur

difficilement combustible, noir,
pour profilés de fixation 400.867
et 400.867 Z

Utilisation: chevron

UV = 100 m

455.508

Outer gasket

flame retardant, black,
for clamping sections 400.867
and 400.867 Z

Application: rafter

PU = 100 m



455.519

Aussendichtung

schwer entflammbar schwarz,
für Anpressprofile 400.867 und
400.867 Z

Einsatz: Sparren,
polygonale Dachverglasungen

VE = 100 m

455.519

Joint extérieur

difficilement combustible, noir,
pour profilés de fixation 400.867
et 400.867 Z

Utilisation: chevron,
verrières polygonales

UV = 100 m

455.519

Outer gasket

flame retardant, black,
for clamping sections 400.867
and 400.867 Z

Application: rafter,
polygonal roof glazing

PU = 100 m



450.094

SIKA Colma Reiniger

zur Vorbehandlung des auf das
Falzprofil zu klebenden Dicht-
lappens der Dichtung 455.548

VE = 1 Liter

Wichtig:

**Ohne diese Vorbehandlung ist die
Klebehaftung nicht gewährleistet.**

450.094

Nettoyant Colma SIKA

Pour le traitement préalable de la
languette d'étanchéité du joint
455.548 à coller sur le profilé de
feuillure.

UV = 1 litre

Important:

**L'adhérence n'est pas garantie
sans ce traitement préalable.**

450.094

SIKA Colma cleaner

for the pre-treatment of the
gasket lip of gasket 455.548 to
be attached to the rebate profile

PU = 1 litre

Important:

**We cannot guarantee that the
adhesive will hold without this
pre-treatment.**

Dichtungen
Klasse E30
Klasse EI30

Joints
Classe E30
Classe EI30

Gaskets
Class E30
Class EI30



455.517

Aussendichtung

schwer entflammbar, schwarz,
für Anschraubprofil 407.815

Einsatz:
Riegel unten im Dachbereich

VE = 50 m

455.517

Joint extérieur

difficilement combustible, noir,
pour profilés à visser 407.815

Utilisation:
traverse inférieure, verrière

UV = 50 m

455.517

Outer gasket

flame retardant, black,
for screw-on sections 407.815

Application:
transom bottom, roof glazing

PU = 50 m



455.518

Aussendichtung

schwer entflammbar, schwarz,
für Anschraubprofil 407.815

Einsatz:
Riegel oben im Dachbereich

VE = 50 m

455.518

Joint extérieur

difficilement combustible, noir,
pour profilés à visser 407.815

Utilisation:
traverse supérieur, verrière

UV = 50 m

455.518

Outer gasket

flame retardant, black,
for screw-on sections 407.815

Application:
transom top, roof glazing

PU = 50 m



455.603

Dichtungs-Formstück

schwer entflammbar, schwarz,
für Anschraubprofil 407.815

Einsatz:
Riegel im Dachbereich

VE = 10 Paar

455.603

Joint de bout

difficilement combustible, noir
pour profilé à visser 407.815

Utilisation:
traverse, verrière

UV = 10 paires

455.603

Gasket cushion

flame retardant, black
for screw-on sections 407.815

Application:
transom, roof glazing

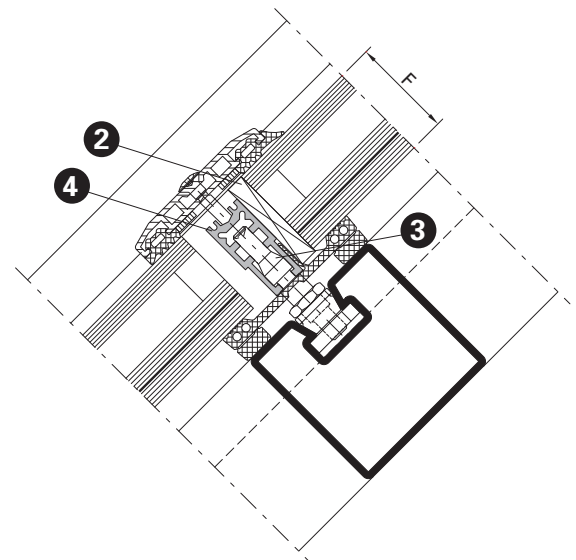
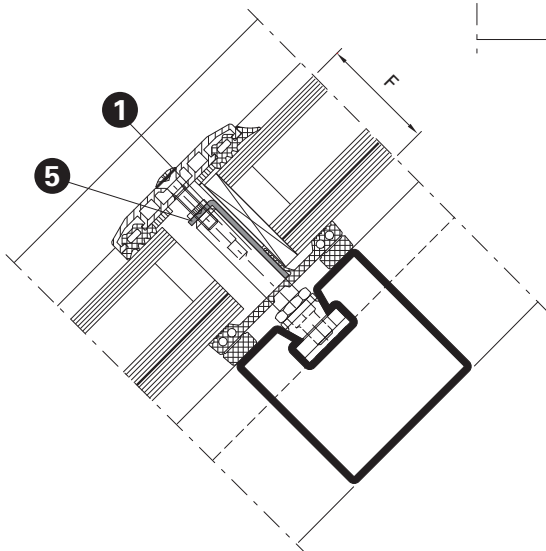
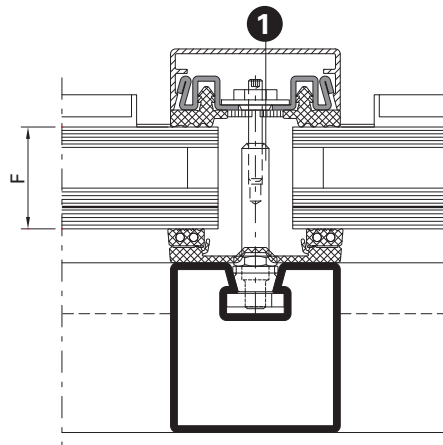
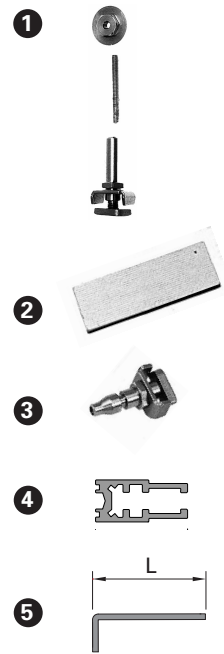
PU = 10 pair

Artikel in Abhängigkeit der
Füllelementstärken

Articles en fonction de l'éléments
de remplissage

Items depending on thickness of
infill elements

F mm	Brandschutzanker Boulon d'ancrage Fire-proof anchor ①	Tragklotz Cale pour remplissage Glazing support ②	Traganker Support de verre Glazing support ③	Falzprofil Profilé de feuillure Rebate section ④	Abkantprofil* Profilé de plié* Folding profile* ⑤
12 – 15	452.482	453.070			11 mm
16 – 18	452.453	453.070			15 mm
19 – 21	452.472	453.070			17 mm
22 – 23	452.475	453.070			21 mm
24 – 26	452.476	453.070			24 mm
27 – 30	452.477	453.070	452.471	400.901	
31 – 33	452.478	453.070			
34 – 36	452.479	453.070			33 mm
37 – 39	452.448	453.070			36 mm
40 – 42	452.441	453.070			39 mm
43 – 45	452.442	453.070			42 mm
46 – 49	452.443	453.070			45 mm
50 – 52	452.446	453.070			49 mm
53 – 57	452.444	453.070			52 mm



* Durch Metallbauer herzustellen
(Seite 53-55)

* A réaliser par un menuisier métallique
(page 53-55)

* To be made by fabricators
(page 53-55)



452.471

Traganker

Edelstahl, mit vormontiertem Keil und Nutenstein, zum Abtragen der Füllelement-Gewichte

VE = 20 Stück

**Einsatz Standard-Lösung:
Riegel, für Füllelementstärken
27 – 33 mm**

452.471

Support de verre

acier Inox, avec cale et languette montées au préalable, pour la reprise du poids du remplissage

UV = 20 pièces

**Utilisation solution standard:
Traverse, pour éléments de
remplissage 27 – 33 mm**

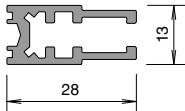
452.471

Glazing support

stainless steel, with pre-assembled key and tenon block, to carry the weight of the infill panels

PU = 20 pieces

**Application standard solution:
Transom, for infill panels
27 – 33 mm**



400.901

Falzprofil

aus Baubronze, für Glasauflage, Verklebung der Riegeldichtung und für die Befestigung der Riegel-Anschraubprofile, 0,830 kg/m

VE = 6 m

**Einsatz Standard-Lösung:
Riegel, für Füllelementstärken
27 – 33 mm**

400.901

Profilé de feuillure

en bronze spécial, pour support de verre, pour le collage du joint de traverse et la fixation des profilés à visser des traverses, 0,830 kg/m

UV = 6 m

**Utilisation solution standard:
Traverse, pour éléments de
remplissage 27 – 33 mm**

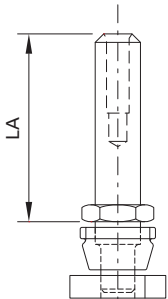
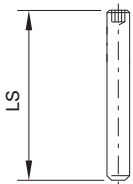
400.901

Rebate section

made of structural bronze, for glass carrier pad, bonding of lockbar seal and to fix the lockbar screw profile, 0,830 kg/m

PU = 6 m

**Application standard solution:
Transom, for infill panels
27 – 33 mm**



452.482	LA = 20 mm LS = 30 mm
452.453	LA = 24 mm LS = 30 mm
452.472	LA = 26 mm LS = 30 mm
452.475	LA = 30 mm LS = 30 mm
452.476	LA = 33 mm LS = 30 mm
452.477	LA = 36 mm LS = 30 mm
452.478	LA = 39 mm LS = 30 mm
452.479	LA = 42 mm LS = 30 mm
452.448	LA = 45 mm LS = 30 mm
452.441	LA = 48 mm LS = 30 mm
452.442	LA = 51 mm LS = 30 mm
452.443	LA = 54 mm LS = 30 mm
452.446	LA = 58 mm LS = 30 mm
452.444	LA = 61 mm LS = 30 mm
452.427	LA = 61 mm LS = 35 mm

Brandschutzanker
Edelstahl, mit vormontiertem Keil
und Nutenstein, Gewindestift M4,
Zentrier Mutter M4

VE = 50 Stück

Einsatz:
Artikel in Abhängigkeit der
Füllelementdicke
(siehe Seite 53-11)

452.482	LA = 20 mm LS = 30 mm
452.453	LA = 24 mm LS = 30 mm
452.472	LA = 26 mm LS = 30 mm
452.475	LA = 30 mm LS = 30 mm
452.476	LA = 33 mm LS = 30 mm
452.477	LA = 36 mm LS = 30 mm
452.478	LA = 39 mm LS = 30 mm
452.479	LA = 42 mm LS = 30 mm
452.448	LA = 45 mm LS = 30 mm
452.441	LA = 48 mm LS = 30 mm
452.442	LA = 51 mm LS = 30 mm
452.443	LA = 54 mm LS = 30 mm
452.446	LA = 58 mm LS = 30 mm
452.444	LA = 61 mm LS = 30 mm
452.427	LA = 61 mm LS = 35 mm

Boulon d'ancrage anti-incendie
acier Inox, avec cale et languette
montées au préalable, vis sans
tête M4, écrou de centrage M4

UV = 50 pièces

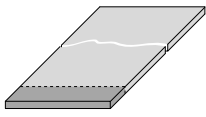
Utilisation:
Article en fonction de l'épaisseur
de l'élément de remplissage
(voir page 53-11)

452.482	LA = 20 mm LS = 30 mm
452.453	LA = 24 mm LS = 30 mm
452.472	LA = 26 mm LS = 30 mm
452.475	LA = 30 mm LS = 30 mm
452.476	LA = 33 mm LS = 30 mm
452.477	LA = 36 mm LS = 30 mm
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452.442	LA = 51 mm LS = 30 mm
452.443	LA = 54 mm LS = 30 mm
452.446	LA = 58 mm LS = 30 mm
452.444	LA = 61 mm LS = 30 mm
452.427	LA = 61 mm LS = 35 mm

Fire-proof anchor
stainless steel, with pre-
assembled key and tenon block,
set screw M4, centring nut M4

PU = 50 pieces

Application:
Article depending on thickness
of infill panels
(see page 53-11)



453.070

Glasklotz

glasfaserverstärkter Kunststoff,
80 x 5 mm, Zuschnitt entsprechen
Füllelementstärke durch
Metallbauer

VE = 1 Stück à 1000 mm

Einsatz:

Artikel in Abhängigkeit der
Füllelementdicke
(siehe Seite 53-11)

453.070

Cale de verre

Plastique renforcé par fibres de
verre, 80 x 5 mm, découpe par
le constructeur métallique selon
l'épaisseur des éléments de
remplissage

UV = 1 pièce à 1000 mm

Utilisation:

Article en fonction de l'épaisseur
de l'élément de remplissage
(voir page 53-11)

453.070

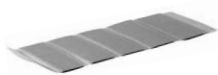
Glazing bridge

glass fibre reinforced plastic,
80 x 5 mm, to be cut by a sheet
metal worker according to
thickness of the filling material

PU = 1 piece, 1000 mm each

Application:

Article depending on thickness
of infill panels
(see page 53-11)



455.423

50 mm

Butyl-Dichtstück

zum Abdichten der Kreuz- und
Endpunkte der Innendichtungen

VE = 50 Stück

455.423

50 mm

Pièce de butyl

pour étancher les points de
croisée et les points T des joints
intérieurs

UV = 50 pièces

455.423

50 mm

Butyl sealing strip

for sealing the intersecting and
end points of the inner gaskets

PU = 50 pieces



455.493

Doppelseitiges Klebeband

modifizierter Acrylat-Haftkleber,
mit Schutzfolie, 9 x 0,3 mm.

Einsatz:

auf Baubronze-Falzprofil 400.901
kantenbündig aufbringen zur
späteren Verklebung des
horizontalen Dichtungslappens.

VE = 50 m

455.493

Bande à deux faces adhésives

bande auto-adhésive modifiée
en acrylate, avec feuille de pro-
tection, 9 x 0,3 mm.

Application:

poser à fleur du bord sur profilé
de feuillure en bronze de
construction 400.901 pour
collage ultérieur de la languette
du joint horizontal.

UV = 50 m

455.493

Double-sided adhesive strip

modified acrylate bonding
emulsion with protective film
9 x 0,3 mm.

Application:

for later sticking of the horizontal
gasket flange apply on structure
bronze rebate section 400.901
concisely to the edge.

PU = 50 m



455.601

Kreuzpunkt-Dichtungsplatte
aus Edelstahl,
mit Dichtungs-Klebeband

VE = 20 Stück

455.601

Plaque de point croisée
en acier Inox,
avec bande d'étanchéité

UV = 20 pièces

455.601

Intersection sealing plate
stainless steel, with adhesive
sealing strip

PU = 20 pieces



455.602

Endpunkt-Dichtungsplatte
aus Edelstahl,
mit Dichtungs-Klebeband

VE = 10 Stück

455.602

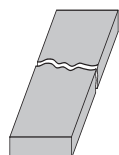
Plaque de point T
en acier Inox,
avec bande d'étanchéité

UV = 10 pièces

455.602

End sealing plate
stainless steel, with adhesive
sealing strip

PU = 10 pieces



451.081

Brandschutzlaminat
selbstklebend, 7,2 x 1,8 mm

VE = 50 Stück à 1075 mm

Einsatz:
Anpressprofil Sparren
Anschraubprofil Riegel

451.081

Bande de protection-incendie
auto-adhésive, 7,2 x 1,8 mm

UV = 50 pièces à 1075 mm

Utilisation:
Profilé de fixation chevron
Profilé de vissé traverse

451.081

Fire protection laminate
self-adhesive, 7,2 x 1,8 mm

PU = 50 pieces, 1075 mm each

Application:
Clamping section rafter
Screw-on section transom



452.496

SR1-Selbstbohrschraube
Ø 4,5 x 33 mm
Edelstahl, für Riegel-
Anschraubprofil 407.815

VE = 100 Stück

Einsatz:
Für Füllelementstärken
27 bis 33 mm

452.496

Vis autoforeuse SR1
Ø 4,5 x 33 mm
acier Inox, pour profilé à
visser 407.815

UV = 100 pièces

Utilisation:
Pour éléments de
remplissage 27 – 33 mm

452.496

SR1 self-cutting screw
Ø 4,5 x 33 mm
stainless steel, for screw-on
section 407.815

PU = 100 pieces

Application:
For infill panels 27 – 33 mm



536.026

VISS Fire Dach G30
DIBt Z-19.14-1995

Kennzeichen-Schild DE
inkl. Übereinstimmungs-
bestätigung

VE = 1 Stück

536.026

VISS Fire Dach G30
DIBt Z-19.14-1995

Plaque signalétique DE
avec confirmation de
compatibilité

UV = 1 pièce

536.026

VISS Fire Dach G30
DIBt Z-19.14-1995

Identification plate DE
including declaration of
conformity

PU = 1 piece

Verarbeitungshilfen

Outils d'usinage

Assembly tools

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

VISS Fire TVS (sloping)



499.003

Schraubklingen
mit SR1-Angriff,
für Schraube 452.496

VE = 3 Stück

499.003

Embout de tournevis
avec tête spéciale SR1,
pour vis 452.496

UV = 3 pièces

499.003

Blades
for SR1-head screws,
for screw 452.496

PU = 3 pieces



499.006

2 mm Sechskant-Bit
zum Eindrehen der M4-
Gewindestifte der Brand-
schutzanker

VE = 2 Stück

499.006

Embout de tournevis
6-pans 2 mm
pour visser les vis sans tête
M4 du boulon d'ancrage anti-
incendie

UV = 2 pièces

499.006

2 mm hexagonal bit
for inserting M4 set screws of
fire-proof anchor

PU = 2 pieces



499.253

Dichtungsstanze
für das Zuschneiden der
Riegel-Innendichtungen 455.548
(VISS TVS)

VE = 1 Stück

499.253

Poinçon à joints
pour la coupe des joints
intérieurs traverse 455.548
(VISS TVS)

UV = 1 pièce

499.253

Gasket punch
for cutting the transom
inner gaskets 455.548
(VISS TVS)

PU = 1 piece

499.205

Ersatzklingen
zu 499.253

VE = 10 Stück

499.205

Lames de rechange
pour 499.253

UV = 10 pièces

499.205

Spare blades
for 499.253

PU = 10 pieces

Verarbeitungshilfen**Outils d'usinage****Assembly tools**

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

VISS Fire TVS (sloping)

**499.256****Auslinklehre für**
für Sparrendichtungen 455.547
und 455.549, Breite 50 mm
(VISS TVS)

VE = 1 Garnitur

499.256**Gabarit d'entaille**
pour joints chevron 455.547 et
455.549, largeur 50 mm
(VISS TVS)

UV = 1 garniture

499.256**Notching template**
for gaskets rafter 455.547 and
455.549, width 50 mm
(VISS TVS)

PU = 1 set

**499.255****Dispenser für**
Klebeband 455.493
für Falzprofil 400.901

VE = 1 Stück

499.255**Dérouleuse de bande**
adhésive 455.493
pour profilé de feuillure 400.901

UV = 1 pièce

499.255**Dispenser for adhesive**
tape 455.493
for rebate section 400.901

PU = 1 piece

**499.206****Abziehhebel**
für die Demontage der
aufgeklipsten Abdeckprofile

VE = 1 Stück

499.206**Levier de démontage**
pour le démontage des profilés
de recouvrement clipsés

UV = 1 pièce

499.206**Stripping lever**
for disassembly of the clipped
on cover profile

PU = 1 piece

Ausgeführte Objekte
Objets réalisés
Completed projects

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Polnische Fernsehstation TVP S.A., Warschau/PL (Architekt: DOM i Miasto, Warschau/PL)



System-Hinweise		VISS Fire TVS (schräg)	
Remarques concernant les systèmes		VISS Fire TVS (oblique)	
System instructions		VISS Fire TVS (sloping)	
<hr/>			
System-Hinweise	Remarques concernant les systèmes	System instructions	
Glasfalz-Belüftung / Glasfalz-Entwässerung	Ventilation de feuillure de verre / Drainage de la feuillure à verre	Glazing rebate ventilation / Glazing rebate drainage	20
U _f -Werte nach EN 10077-2	Valeurs U _f selon EN 10077-2	U _f values according to EN 10077-2	22
<hr/>			
Schnittpunkte E30 / EI30	Coupe de détails E30 / EI30	Constructions details E30 / EI30	24
Konstruktions-Details E30 / EI30	Détails de construction E30 / EI30	Constructions details E30 / EI30	30
Anschlüsse am Bau E30 / EI30	Raccordement au mur E30 / EI30	Attachment to structure E30 / EI30	39
<hr/>			
Verarbeitungs-Hinweise	Indications d'usage	Assembly instructions	47

System-Hinweise

Remarques concernant les systèmes

System instructions

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

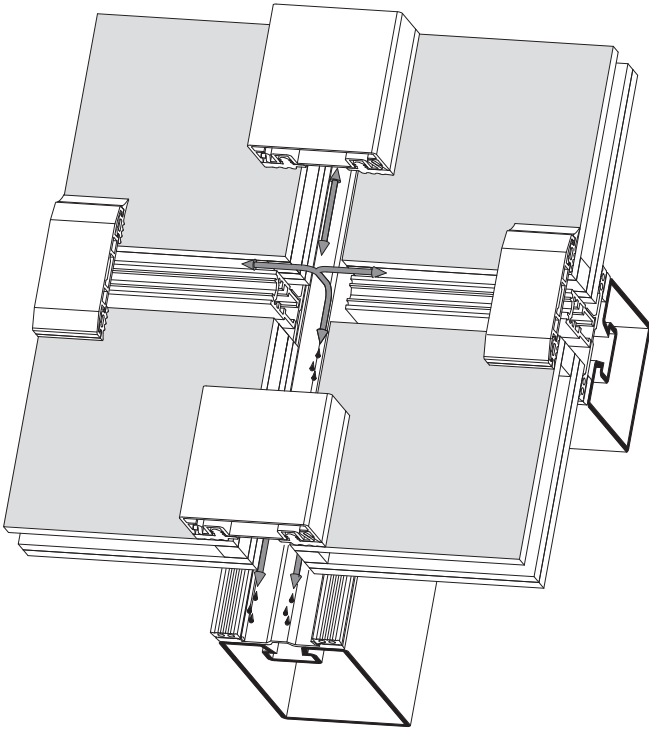
VISS Fire TVS (sloping)

**Glasfalz-Belüftung/
Glasfalz-Entwässerung**

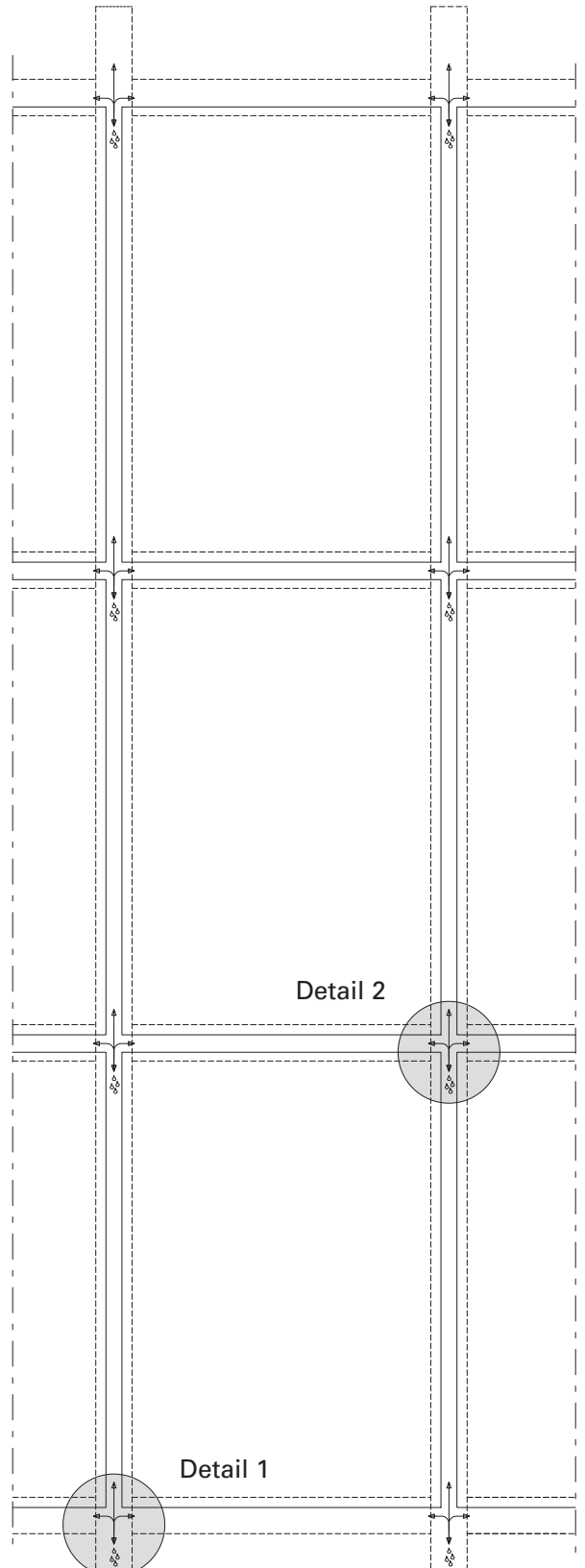
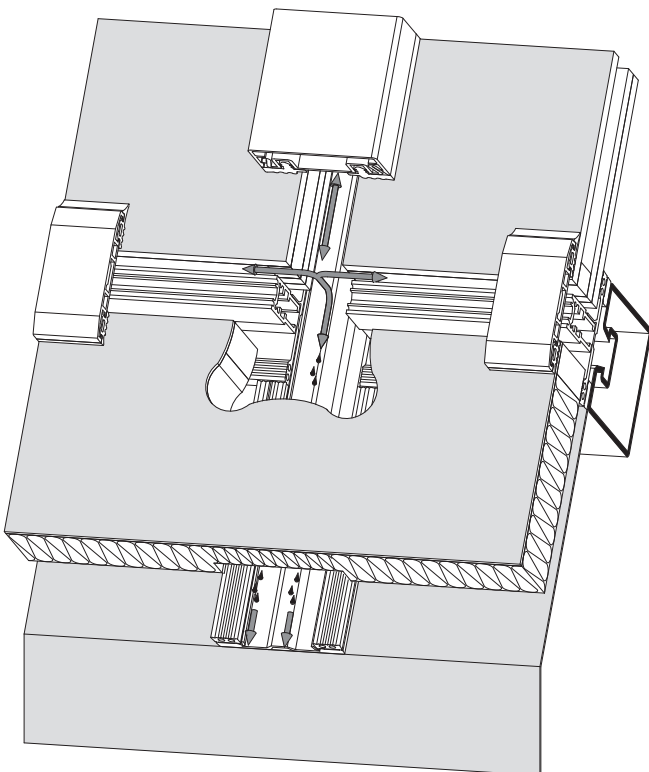
**Ventilation de feuillures de verre/
Drainage de la feuillure à verre**

**Glazing rebate ventilation/
Glazing rebate drainage**

Detail 2



Detail 1



System-Hinweise

Remarques concernant les systèmes

System instructions

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

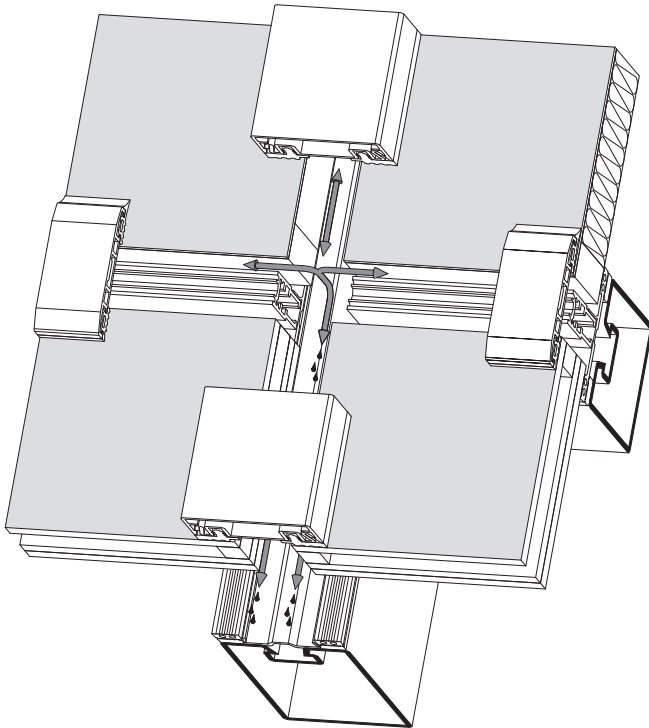
VISS Fire TVS (sloping)

**Glasfalz-Belüftung/
Glasfalz-Entwässerung**

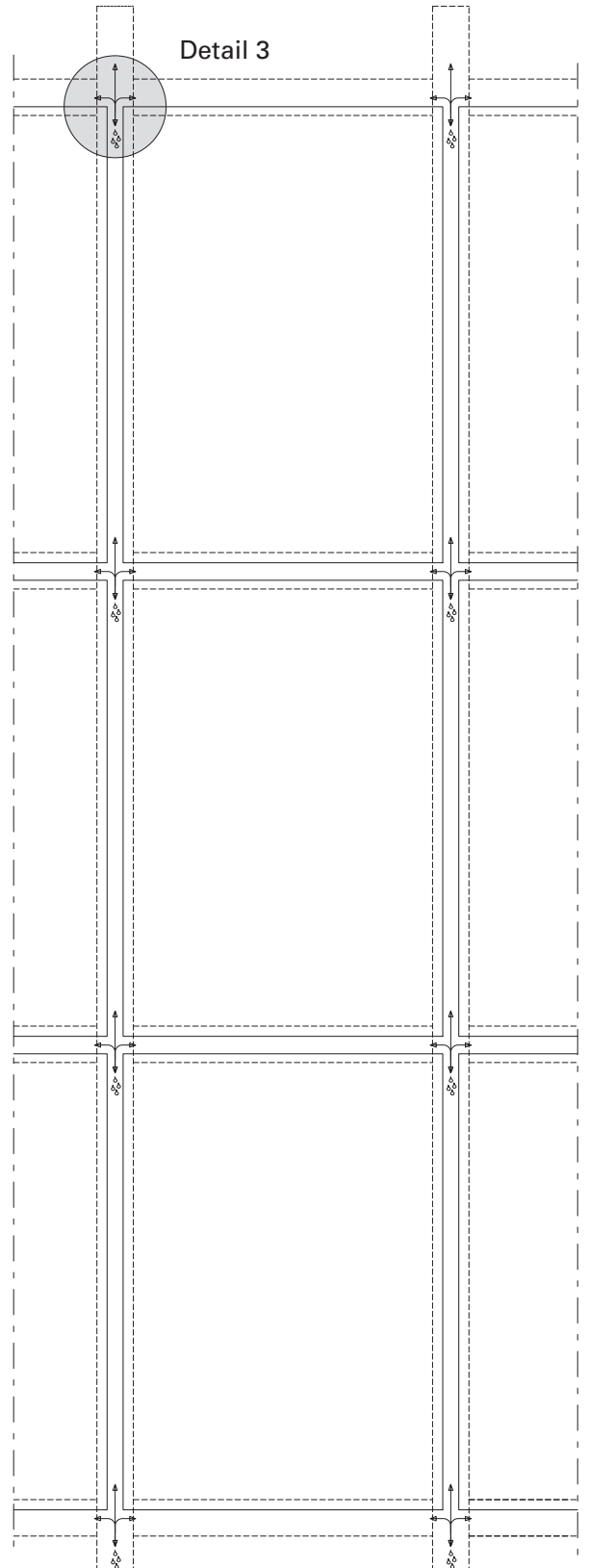
**Ventilation de feuillures de verre/
Drainage de la feuillure à verre**

**Glazing rebate ventilation/
Glazing rebate drainage**

Detail 3



Detail 3



System-Hinweise

Remarques concernant les systèmes

System instructions

VISS Fire TVS (schräg)

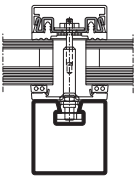
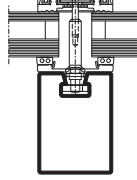
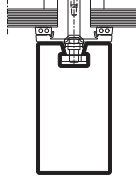
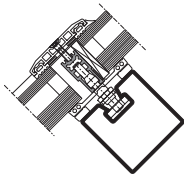
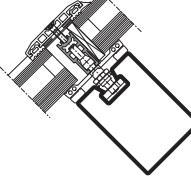
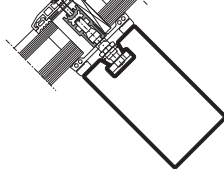
VISS Fire TVS (oblique)

VISS Fire TVS (sloping)

**U_f-Werte nach EN 10077-2
VISS Fire TVS (schräg)**

**Valeurs U_f selon EN 10077-2
VISS Fire TVS (oblique)**

**U_f values according to 10077-2
VISS Fire TVS (sloping)**

						
Glas Verre Glass	Sparren 50/50 Chevron 50/50 Rafters 50/50	Sparren 50/95 Chevron 50/95 Rafters 50/95	Sparren 50/140 Chevron 50/140 Rafters 50/140	Riegel 50/50 Traverse 50/50 Transom 50/50	Riegel 50/95 Traverse 50/95 Transom 60/95	Riegel 50/140 Traverse 50/140 Transom 50/140
20 mm*	1,7 W/m ² K	1,8 W/m ² K	1,8 W/m ² K	3,0 W/m ² K	1,9 W/m ² K	1,9 W/m ² K
25 mm*	1,7 W/m ² K	1,7 W/m ² K	1,7 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K
30 mm	1,6 W/m ² K	1,6 W/m ² K	1,6 W/m ² K	3,3 W/m ² K	3,4 W/m ² K	3,4 W/m ² K
35 mm*	1,5 W/m ² K	1,5 W/m ² K	1,6 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K
40 mm*	1,5 W/m ² K	1,5 W/m ² K	1,5 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K
45 mm*	1,4 W/m ² K	1,5 W/m ² K	1,5 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K
50 mm*	1,4 W/m ² K	1,4 W/m ² K	1,4 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K
55 mm*	1,4 W/m ² K	1,4 W/m ² K	1,4 W/m ² K	3,0 W/m ² K	3,0 W/m ² K	3,0 W/m ² K

Der Einfluss der Schraubenbefestigung in Höhe von 0.3 W/m²K ist berücksichtigt.

L'influence de la fixation à vis de 0.3 W/m²K est prise en compte.

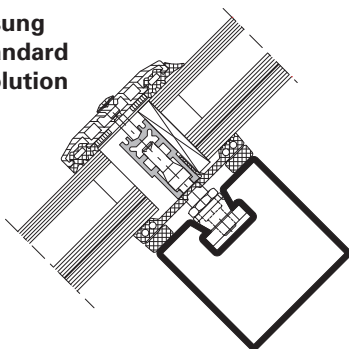
The 0.3 W/m²K influence of the screw fixing is taken into account.

* U_f-Wert mit Sonderlösung ermittelt (durchgehendes Edelstahlblech)

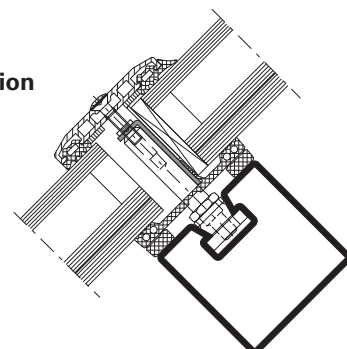
* Détermination spécifique de la valeur U_f (tôle continue en acier inoxydable)

* U_f-value determined by proprietary solution (end-to-end stainless steel sheet)

**Standardlösung
Solution standard
Standard solution**



**Sonderlösung
Solution spéciale
Customized solution**





VISS Fire TVS (schräg)
Brandschutzverglasung
Klasse E / EI

Hinweis:

Bei der Auswahl von Schnittpunkten, Konstruktions-Details und Bauanschlüssen sind die landesspezifischen Brandschutz-Zulassungen und Vorschriften zwingend zu beachten!



VISS Fire TVS (oblique)
Vitrage
pare-flammes / coupe feu
Classe E / EI

Note:

Les certificats de protection incendie et les prescriptions spécifiques au pays doivent être impérativement respectés lors du choix des coupe de détails, des détails de construction et des raccordements au mur!



VISS Fire TVS (sloping)
Fire protection glazing
Class E / EI

Note:

When selecting section details, construction details and attachment to structure, the national fire-protection approvals and regulations must be observed (mandatory)!

Cerako Einkaufszentrum, Warschau/PL (Architekt: Bartłomiej Bielyszew, Warschau/PL)



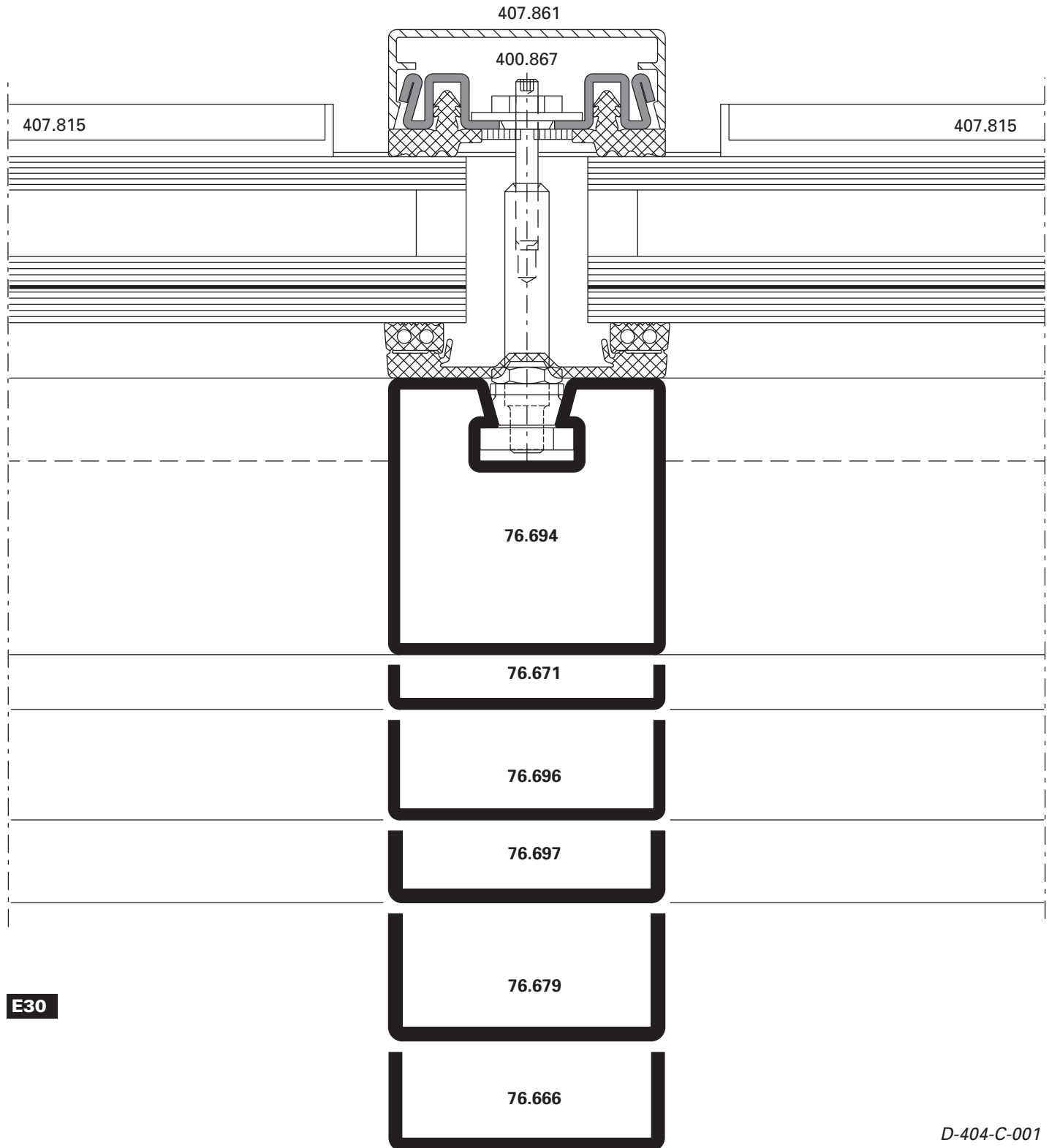
Schnittpunkte im Massstab 1:1
Coupe de détails à l'échelle 1:1
Section details on scale 1:1

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Sparren-Detail

Détail du chevron

Detail of rafter



E30

D-404-C-001

Schnittpunkte im Massstab 1:1
Coupe de détails à l'échelle 1:1
Section details on scale 1:1

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Riegel-Detail

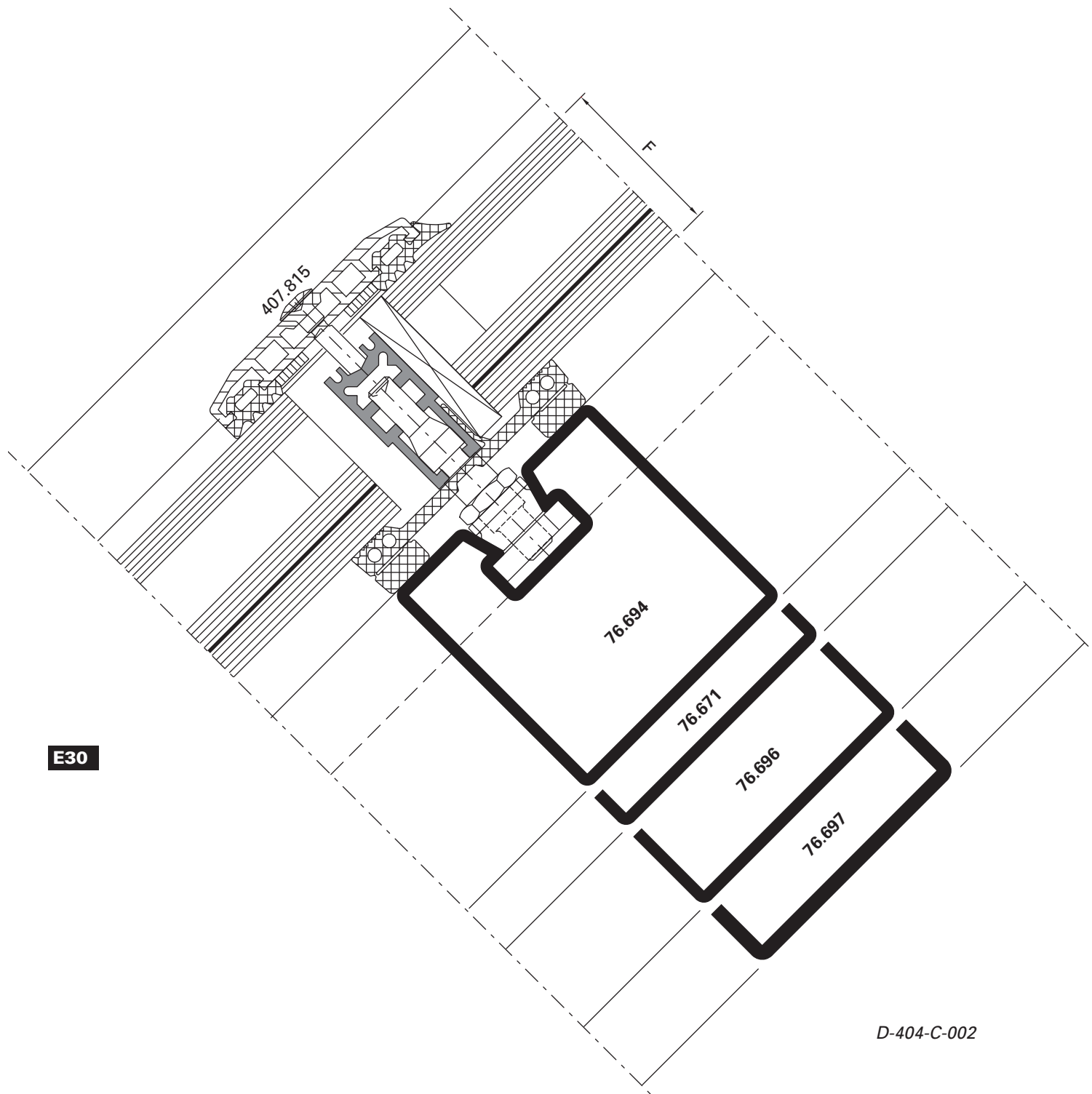
(F = 27 - 33 mm)

Détail de la traverse

(F = 27 - 33 mm)

Detail of transom

(F = 27 - 33 mm)



E30

D-404-C-002

Riegel-Detail

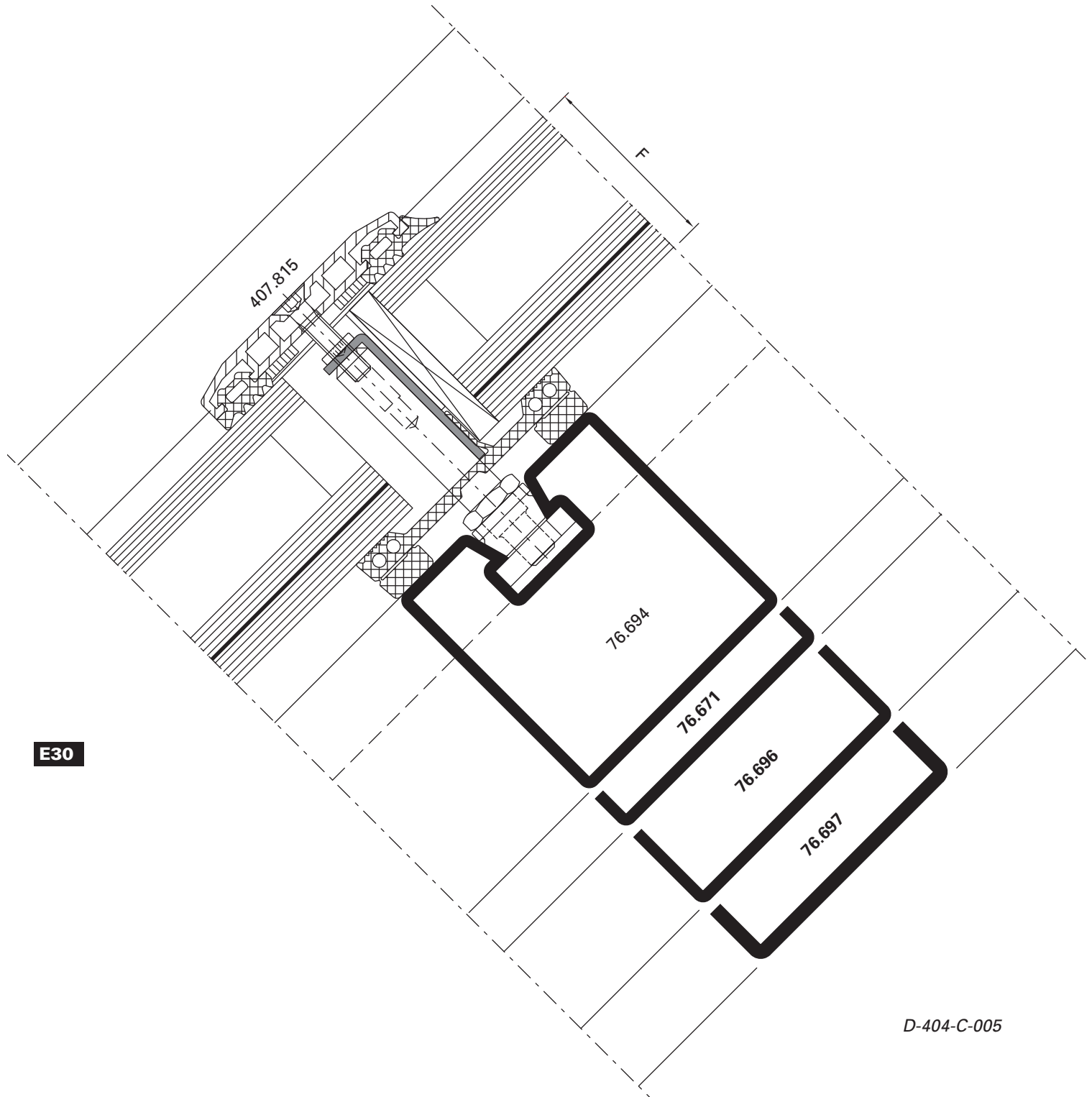
(F = < 26 / > 34 mm)

Détail de la traverse

(F = < 26 / > 34 mm)

Detail of transom

(F = < 26 / > 34 mm)

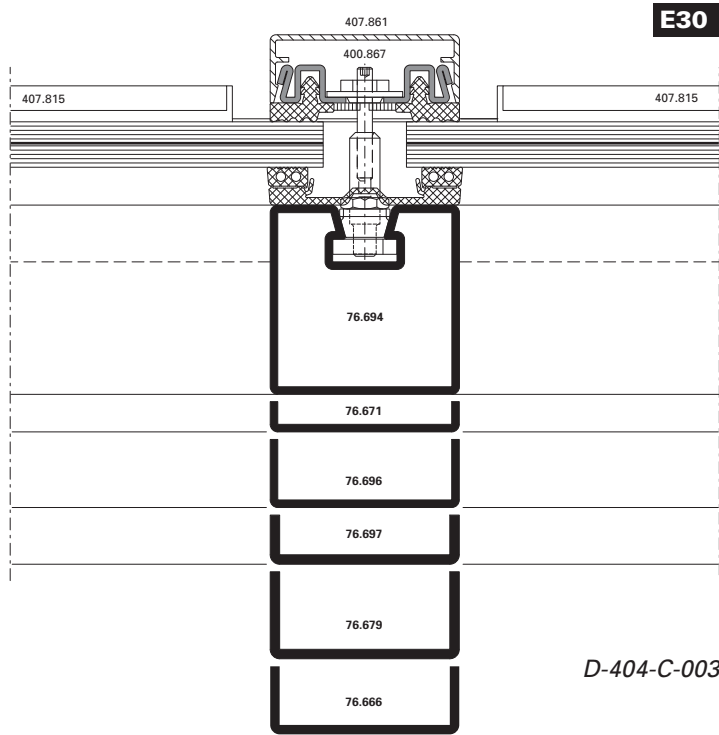


D-404-C-005

Sparren-Detail

Détail du chevron

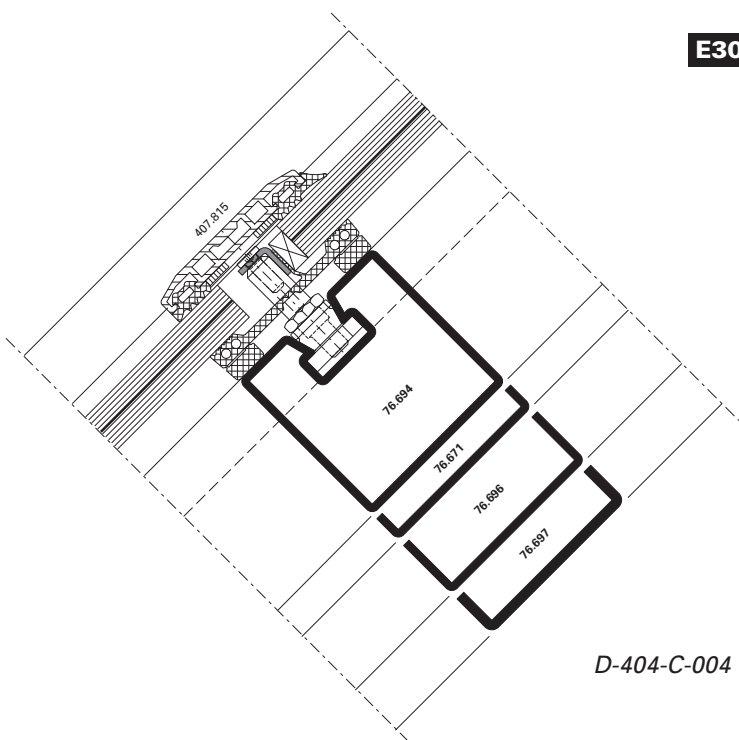
Detail of rafter



Riegel-Detail

Détail de la traverse

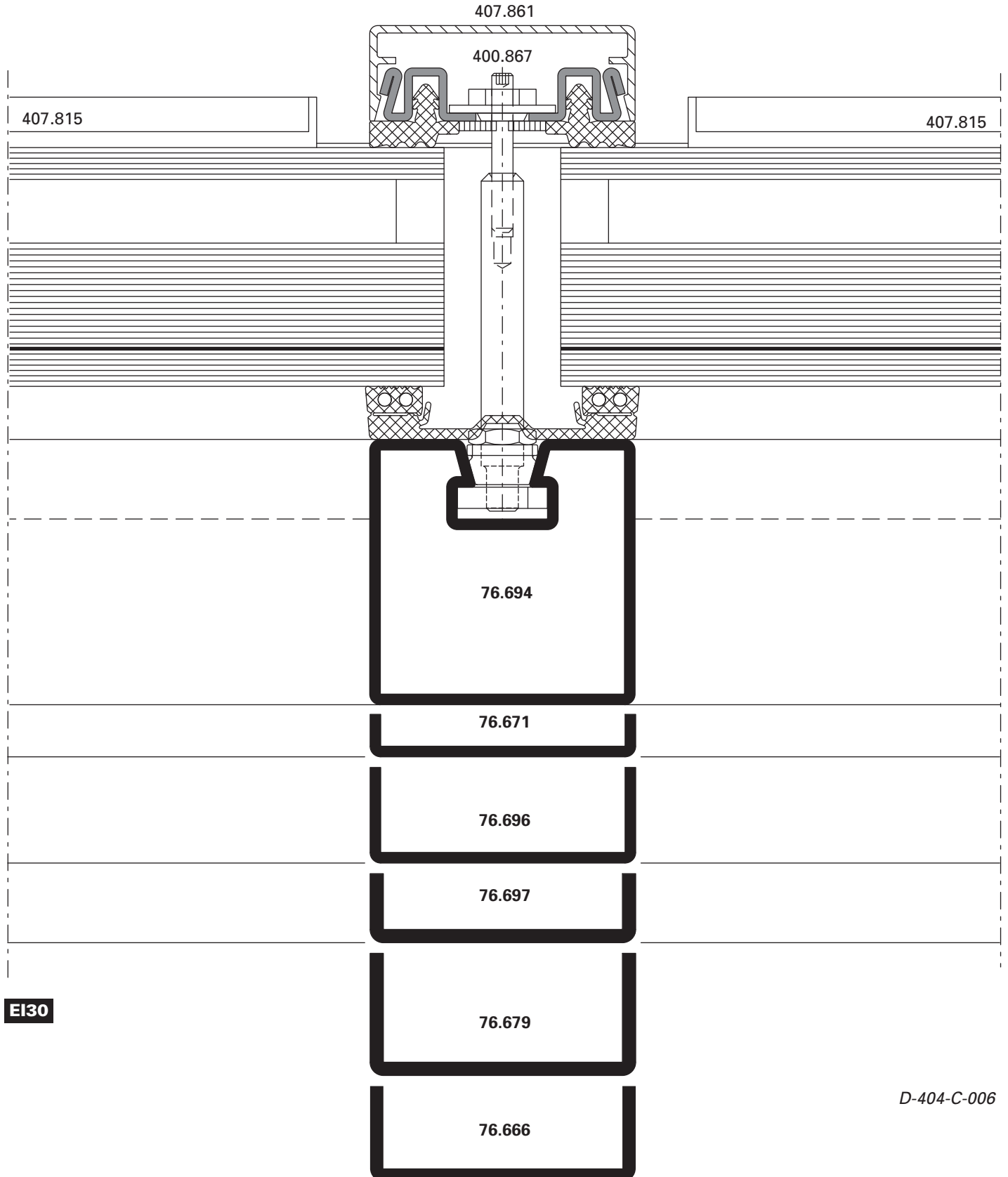
Detail of transom



Sparren-Detail

Détail du chevron

Detail of rafter



Schnittpunkte im Massstab 1:1
Coupe de détails à l'échelle 1:1
Section details on scale 1:1

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Riegel-Detail

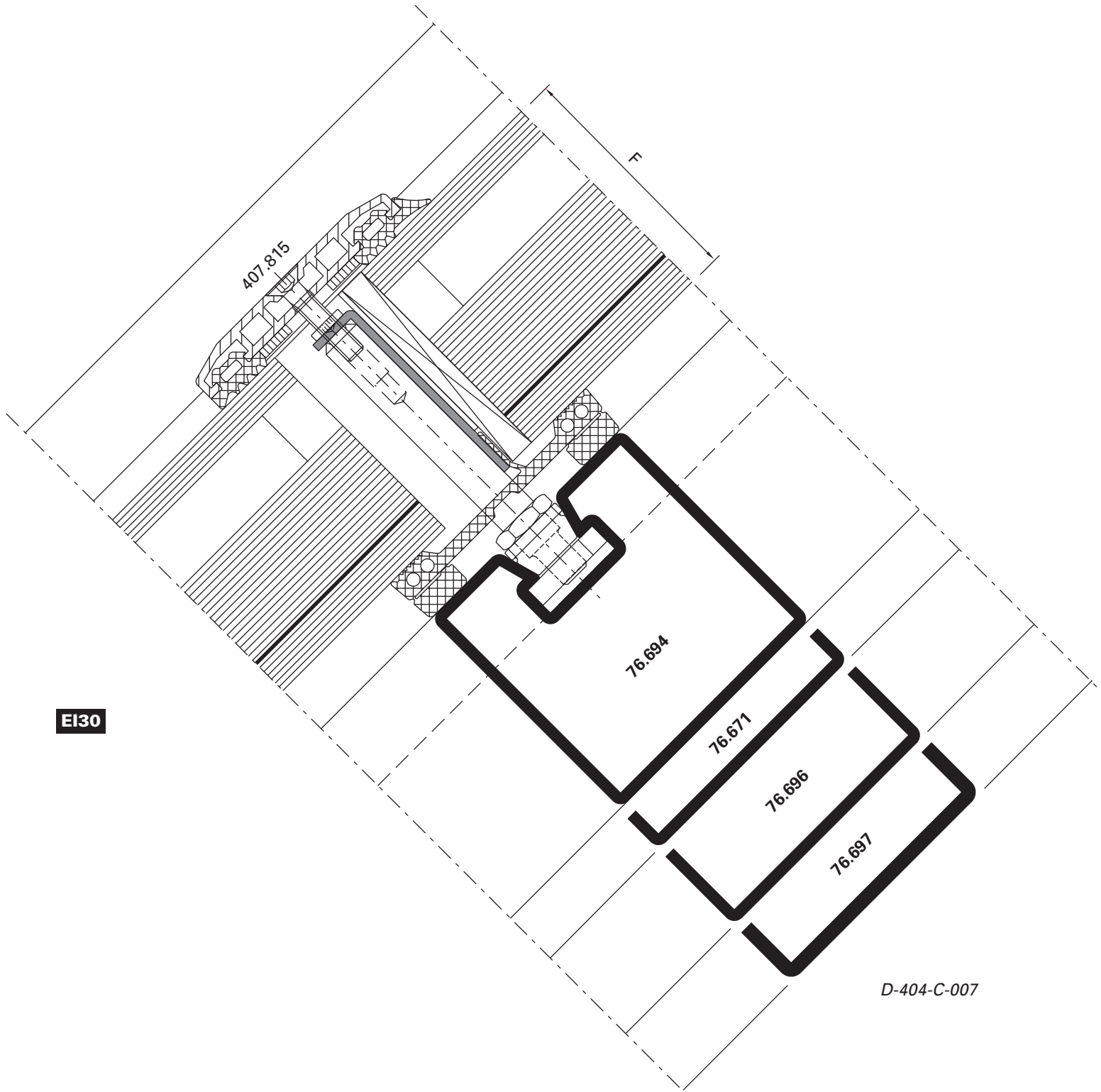
(F = < 26 / > 34 mm)

Détail de la traverse

(F = < 26 / > 34 mm)

Detail of transom

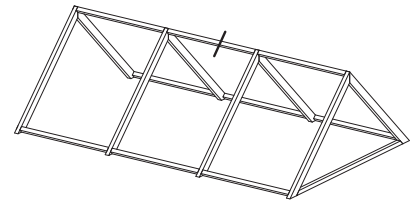
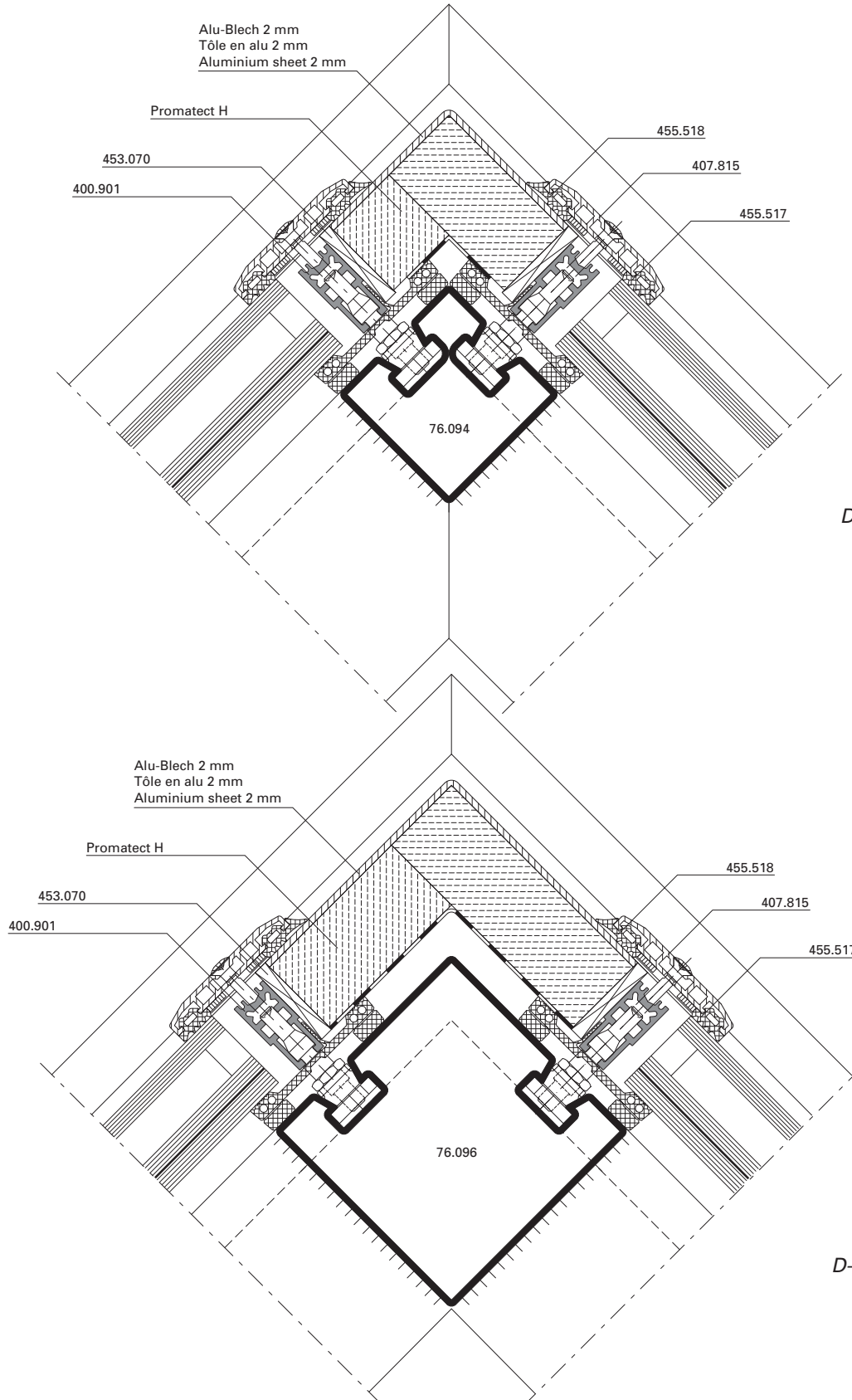
(F = < 26 / > 34 mm)



First-Detail 90°
Giebel-Verglasung 50 mm

Détail du faite 90°
Vitrage de pignon 50 mm

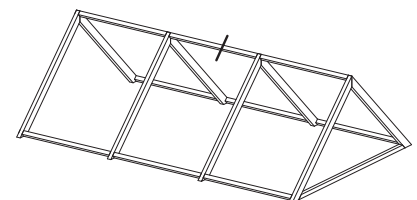
Ridge detail 90°
Gable glazing 50 mm



E30

EI30

D-404-K-002



E30

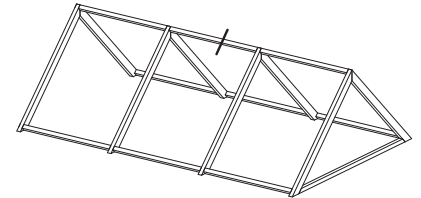
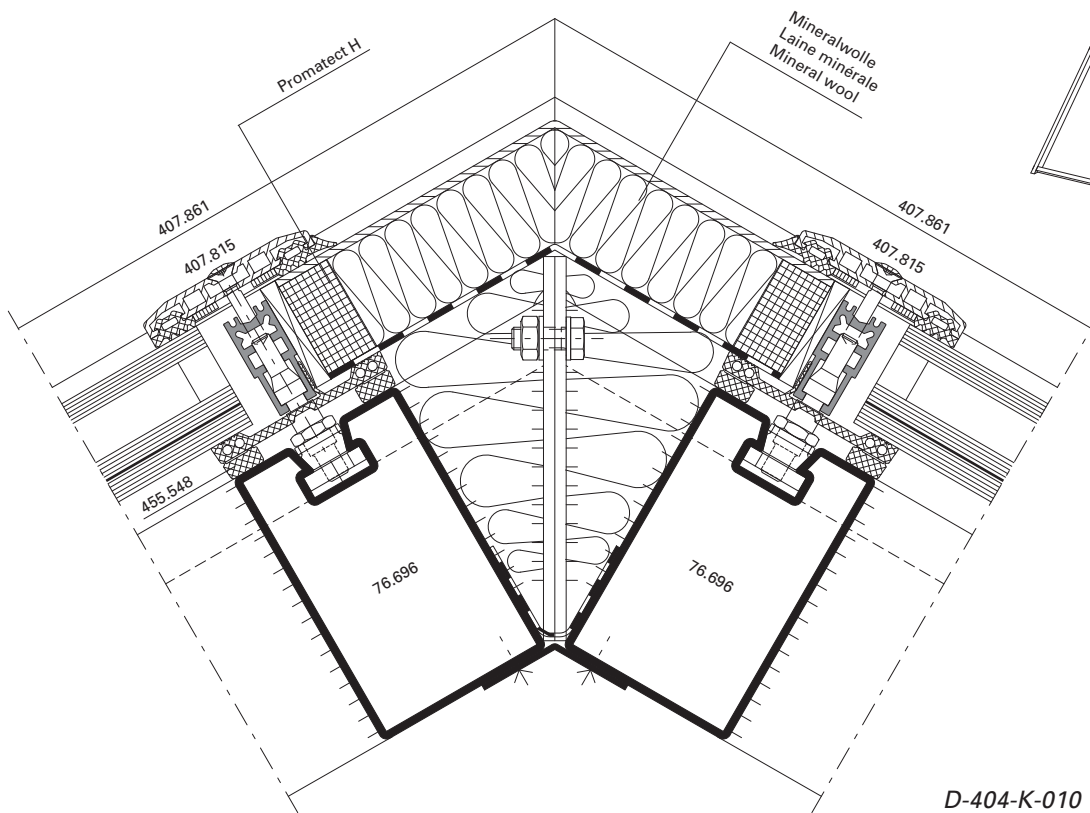
EI30

D-404-K-003

Firstdetail variabel

Détail du faite variable

Ridge detail variable



E30

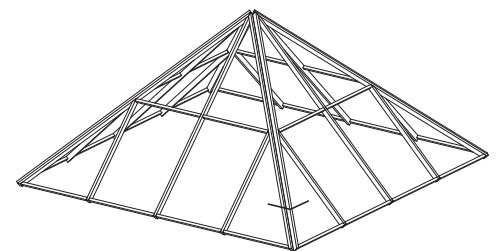
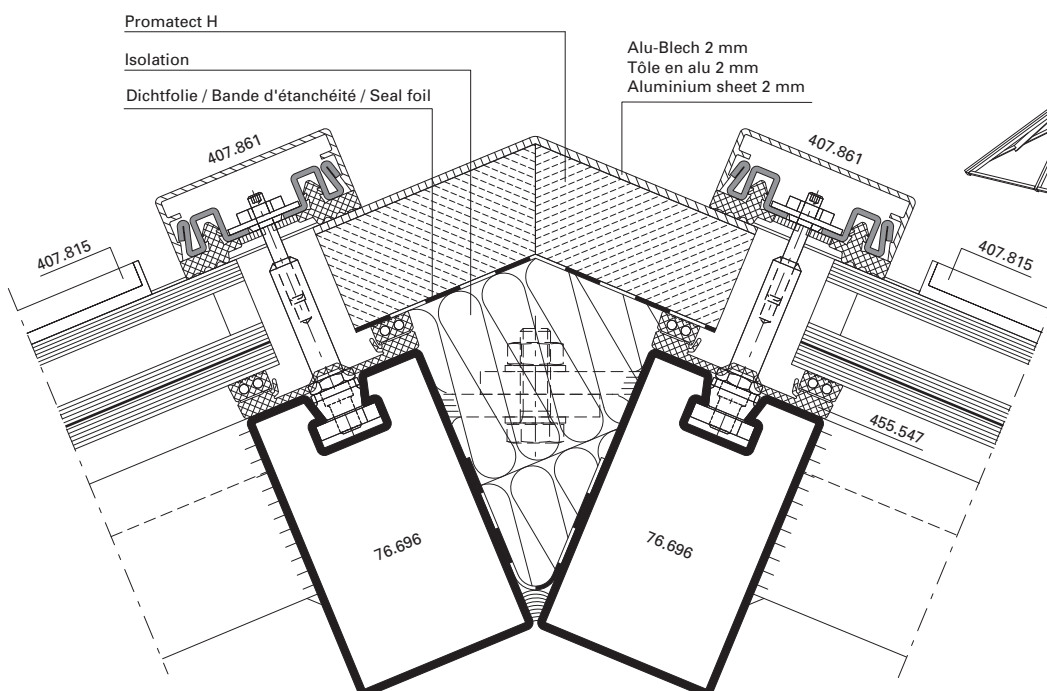
EI30

D-404-K-010

Gratsparren

Albalétriers

Angle rafter



E30

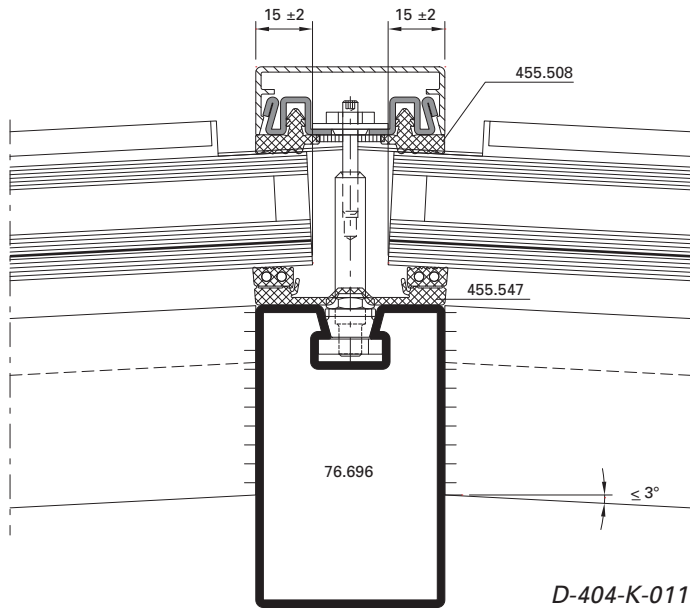
EI30

D-404-K-008

Segment-Sparren

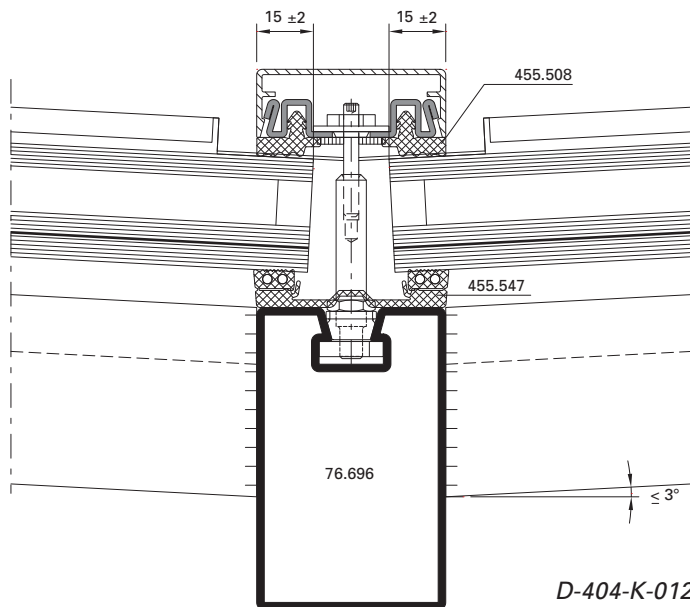
Chevron segment

Segmented rafter



E30

EI30



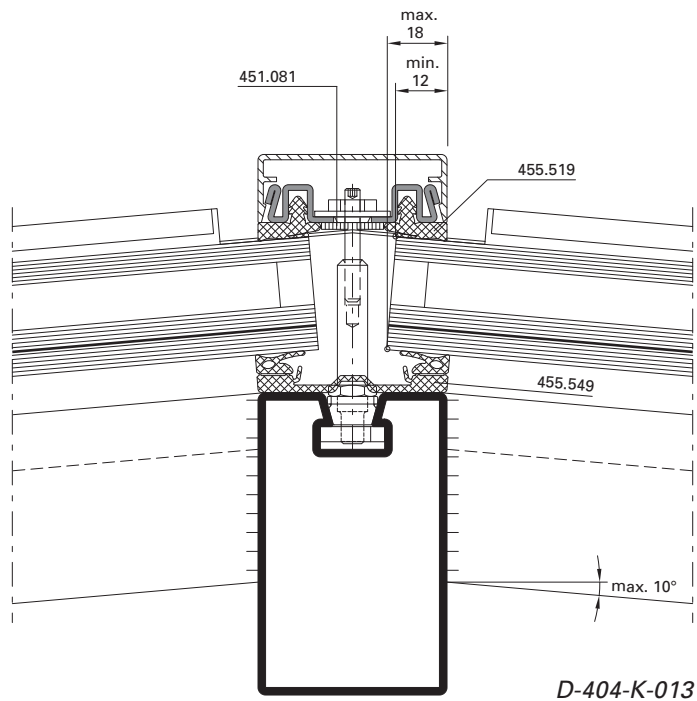
E30

EI30

Segment-Sparren

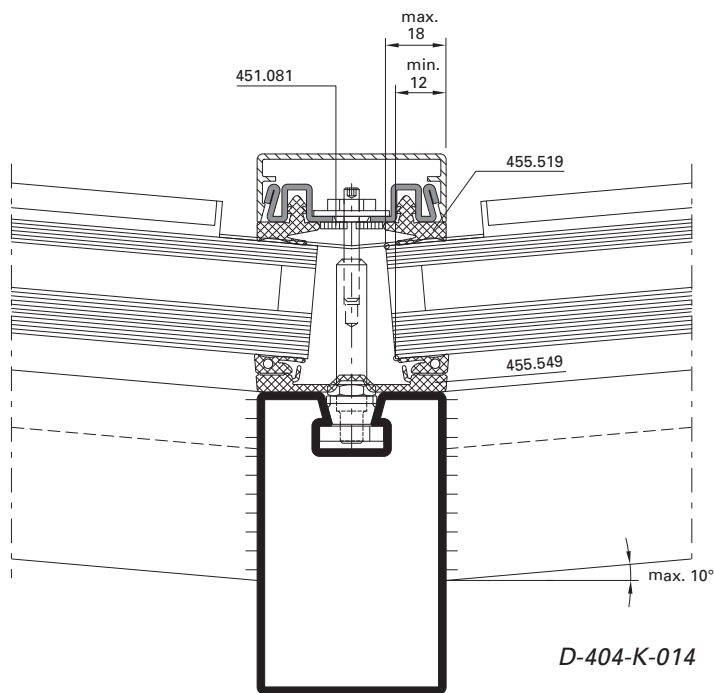
Chevron segment

Segmented rafter



E30

EI30

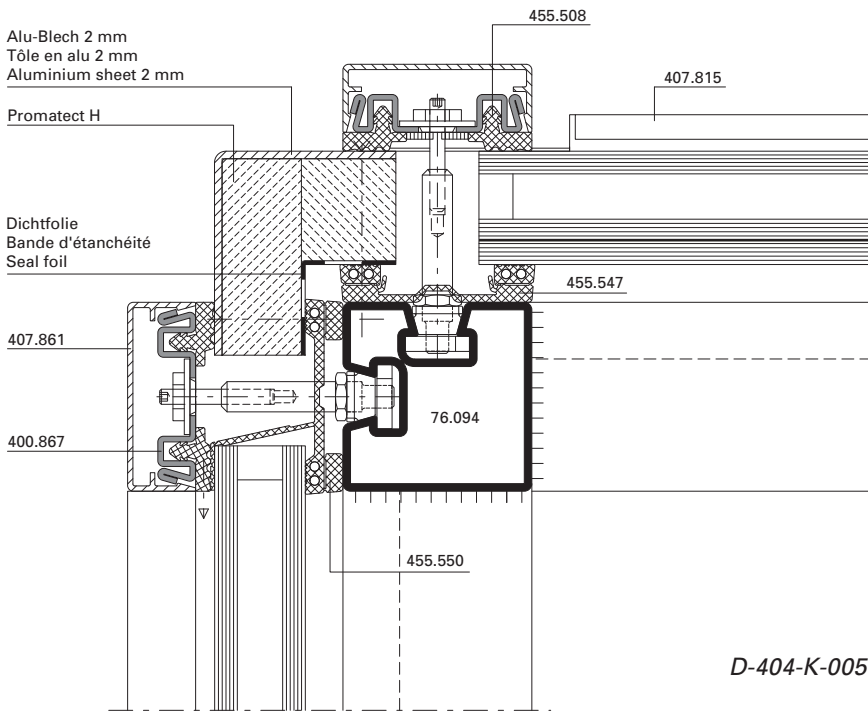


E30

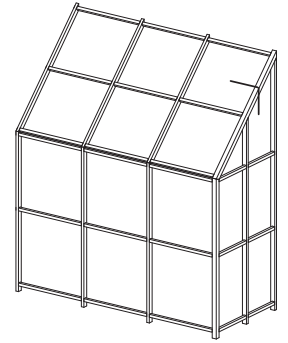
EI30

Ortgang-Detail

Détails de la rive



Verge detail

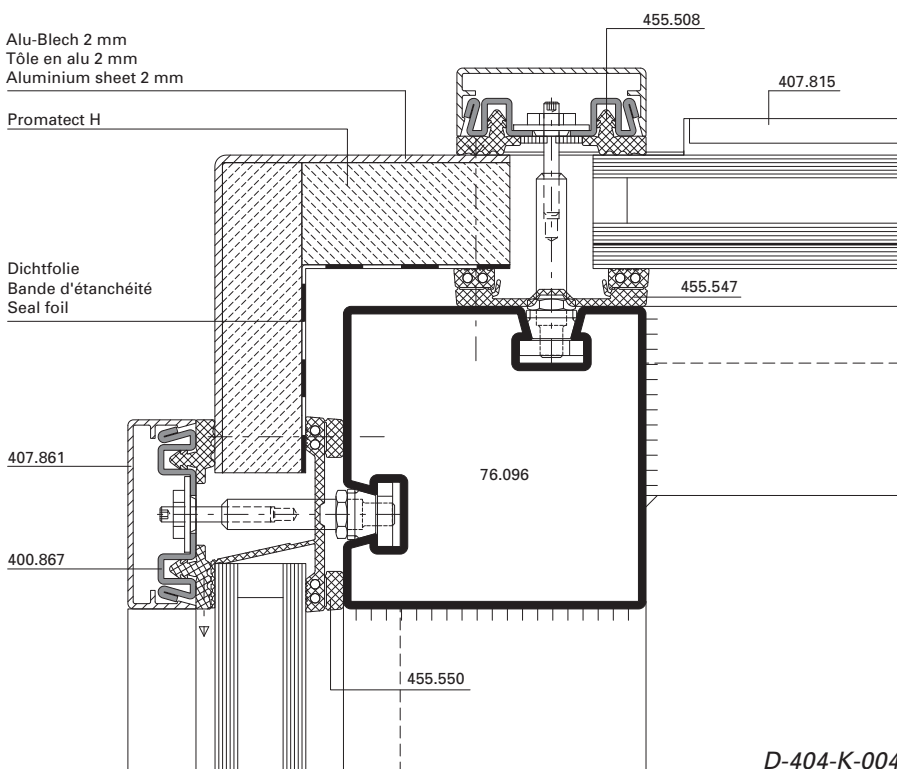


E30

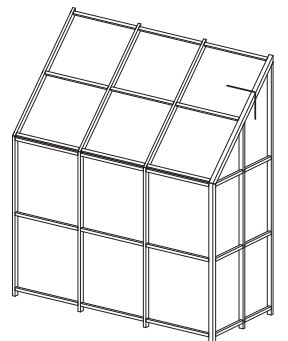
EI30

Ortgang-Detail

Détails de la rive



Verge detail



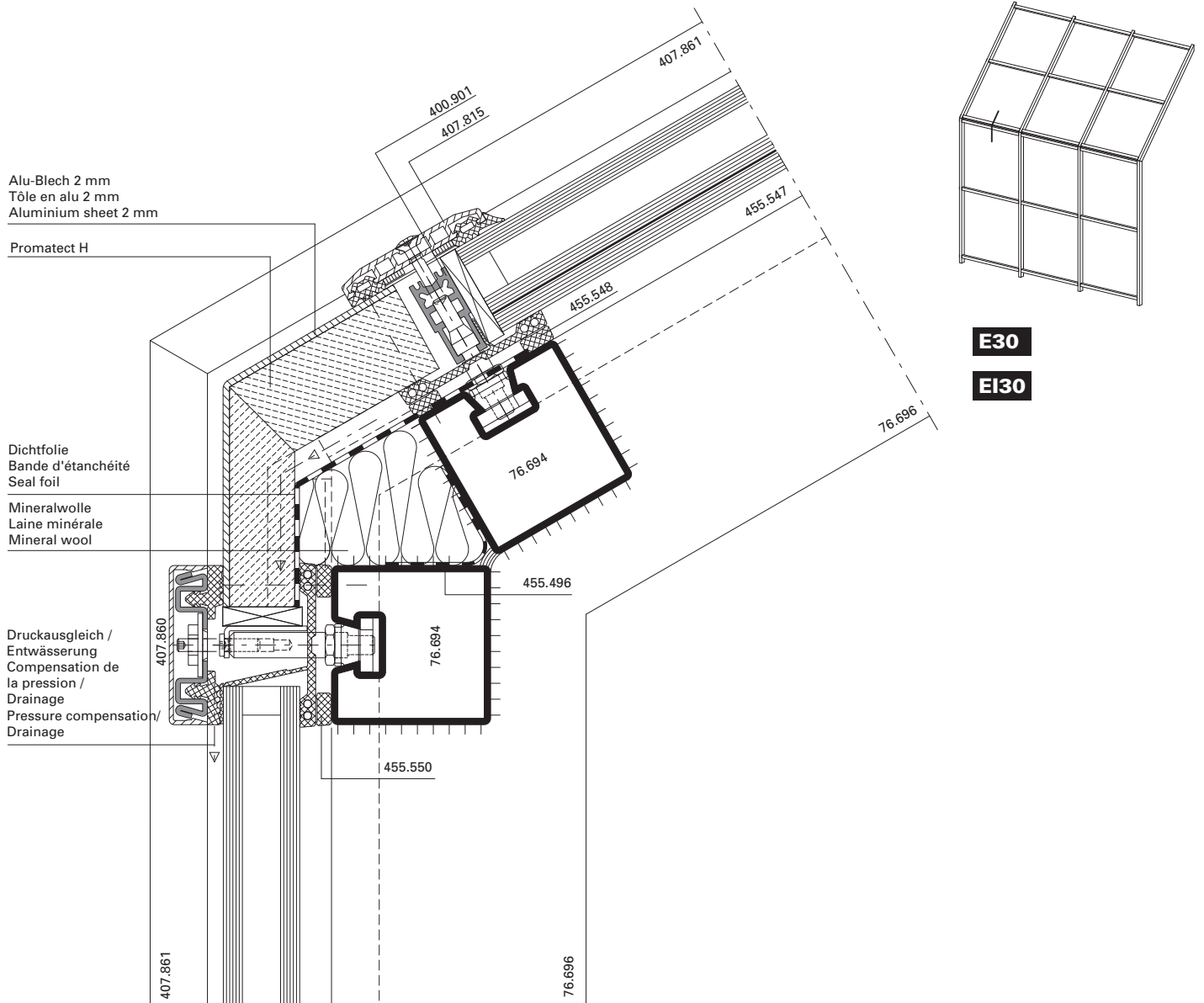
E30

EI30

Knickpunkt-Detail

Détail d'angle

Detail of corner

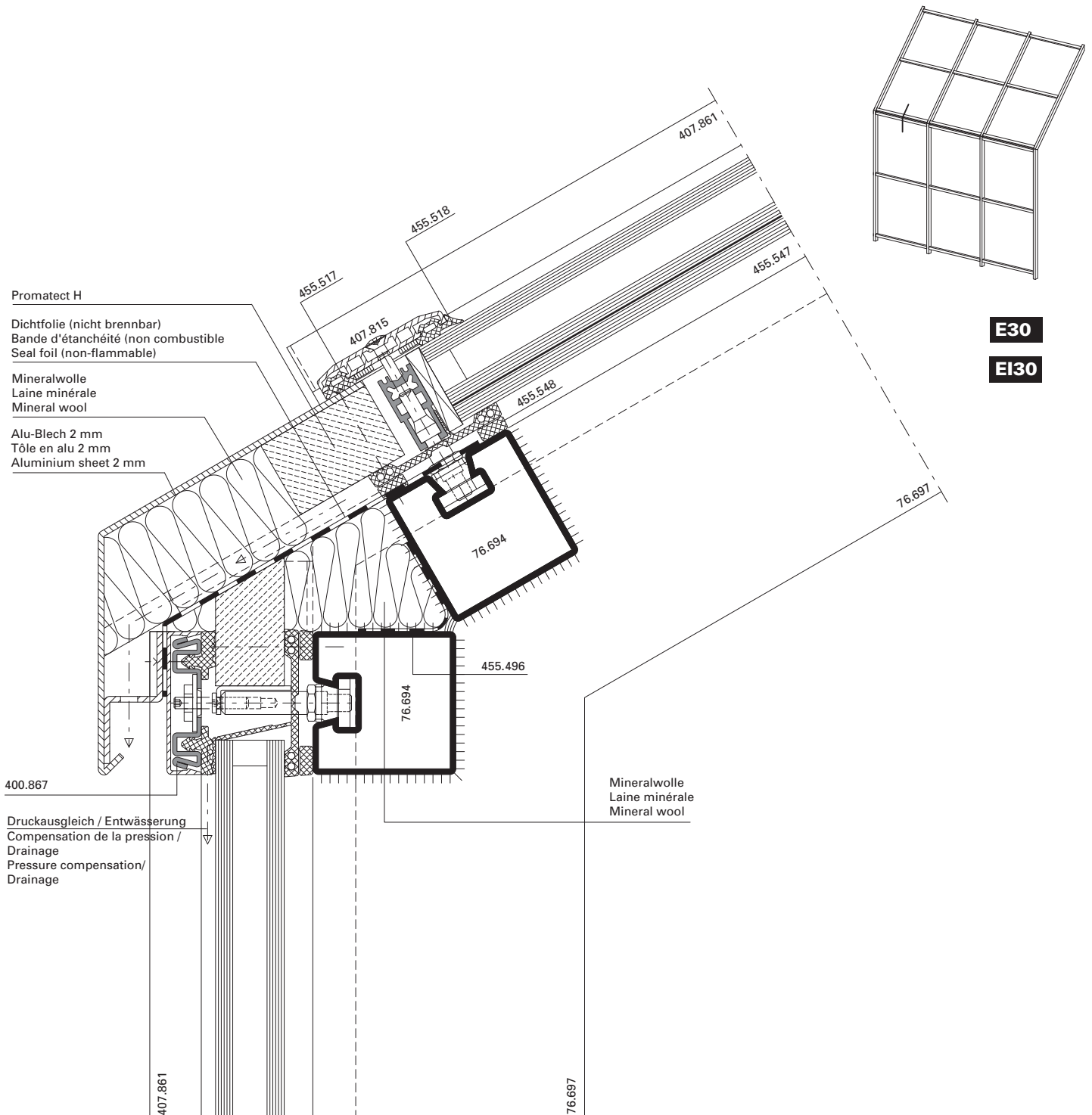


D-404-K-007

**Knickpunkt-Detail
 mit Traufblech**

**Détail d'angle
 avec avec débord de toiture**

**Detail of corner
 with eaves flashing**

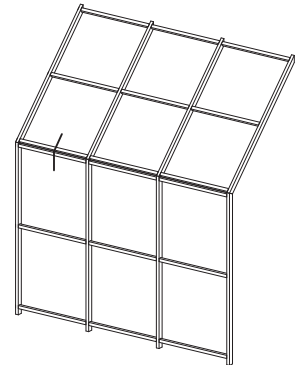
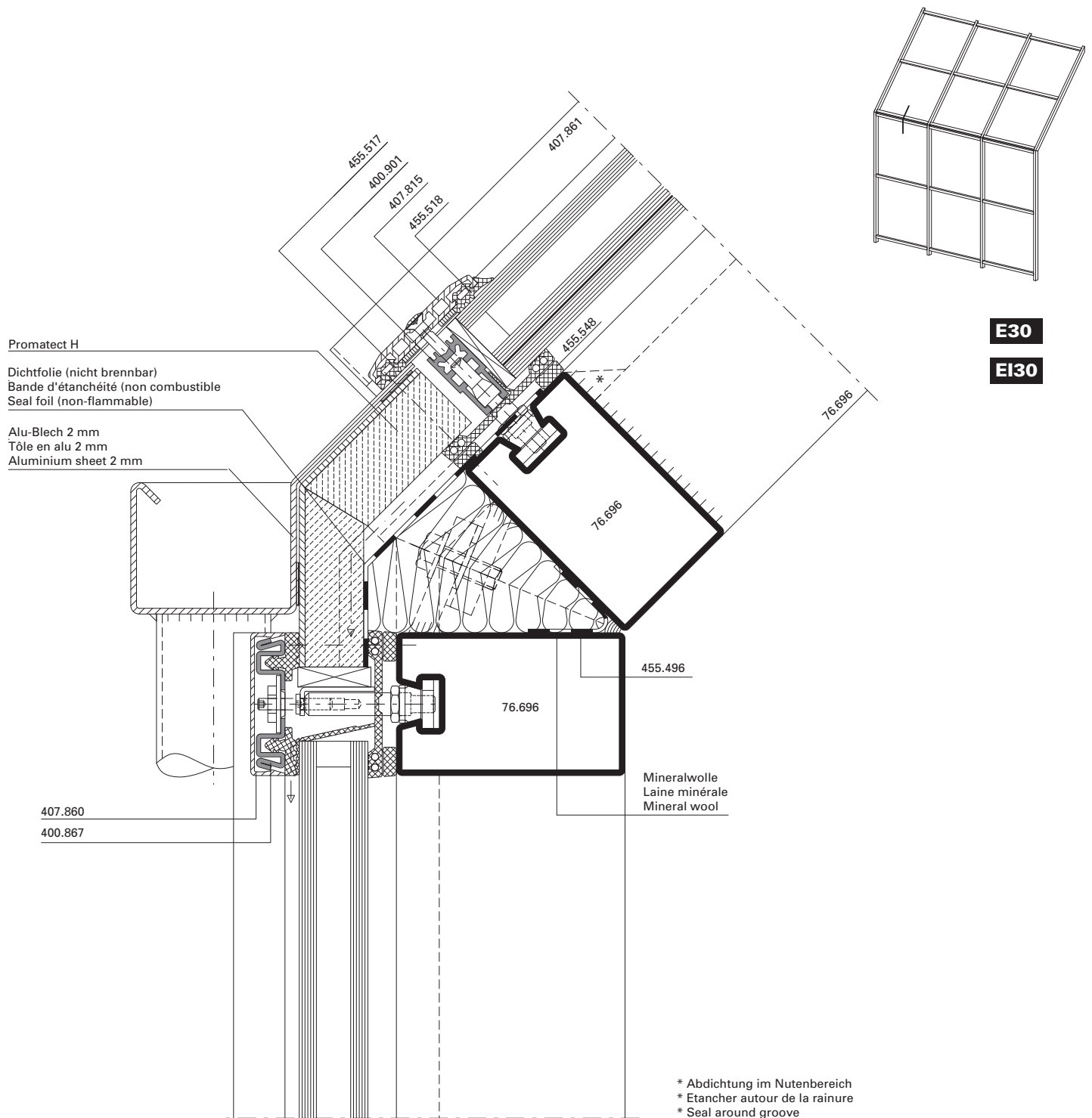


D-404-K-006

Knickpunkt-Detail mit Rinne

Détail d'angle avec gouttière

Detail of corner with gutter



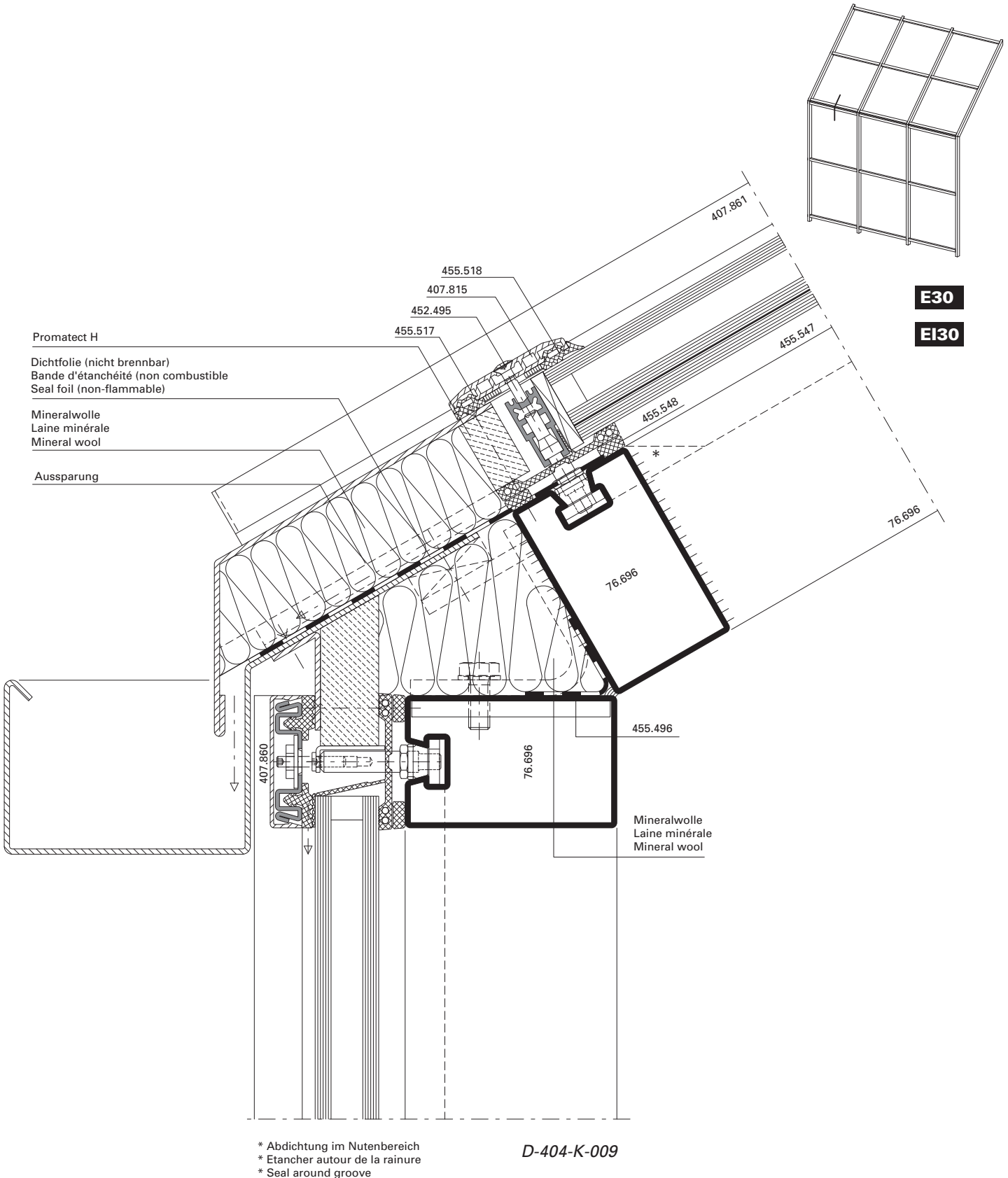
E30
EI30

D-404-K-001

Knickpunkt-Detail mit Rinne

Détail d'angle avec gouttière

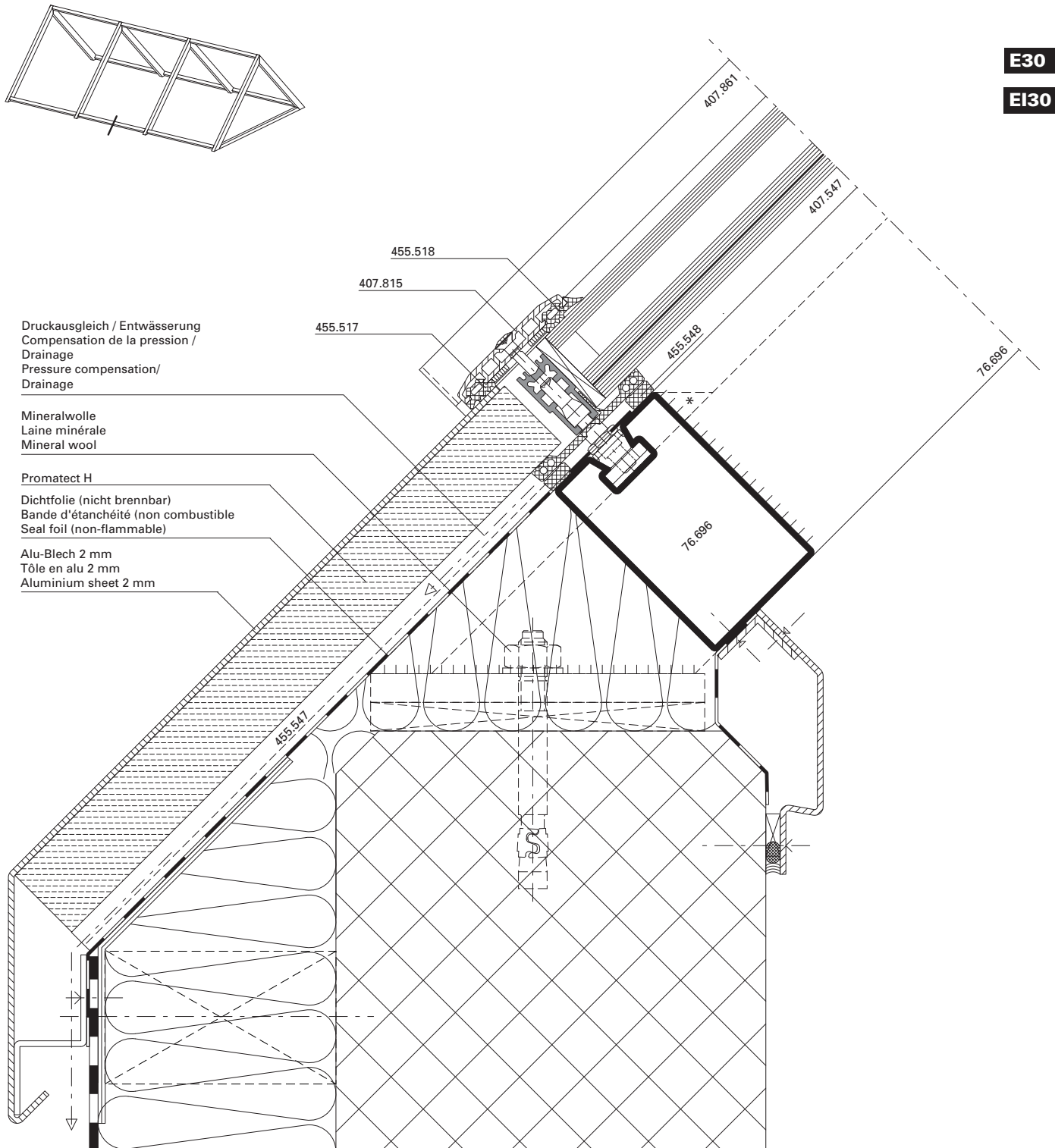
Detail of corner with gutter



Traufpunkt-Detail

Détail du larmier

Detail of eave



E30

EI30

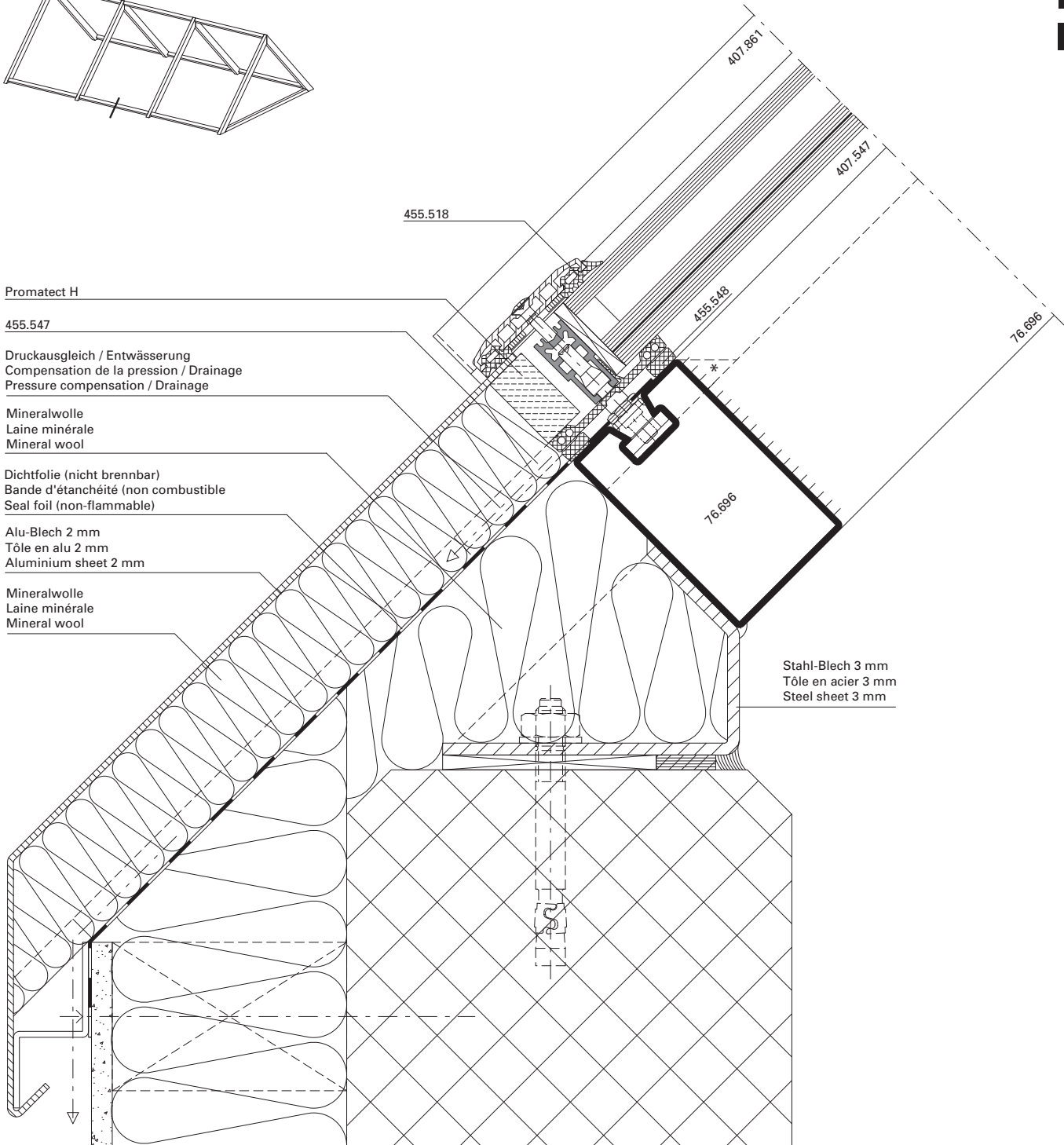
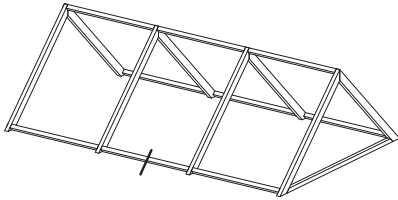
* Abdichtung im Nutenbereich
 * Etancher autour de la rainure
 * Seal around groove

D-404-A-006

Traufpunkt-Detail

Détail du larmier

Detail of eave



E30

EI30

* Abdichtung im Nutenbereich
 * Etancher autour de la rainure
 * Seal around groove

D-404-A-009

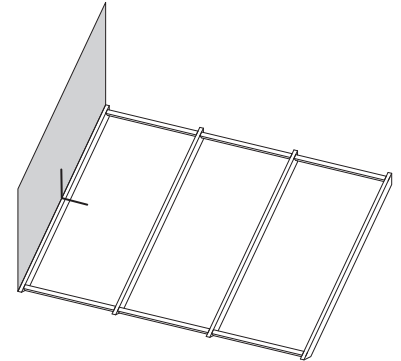
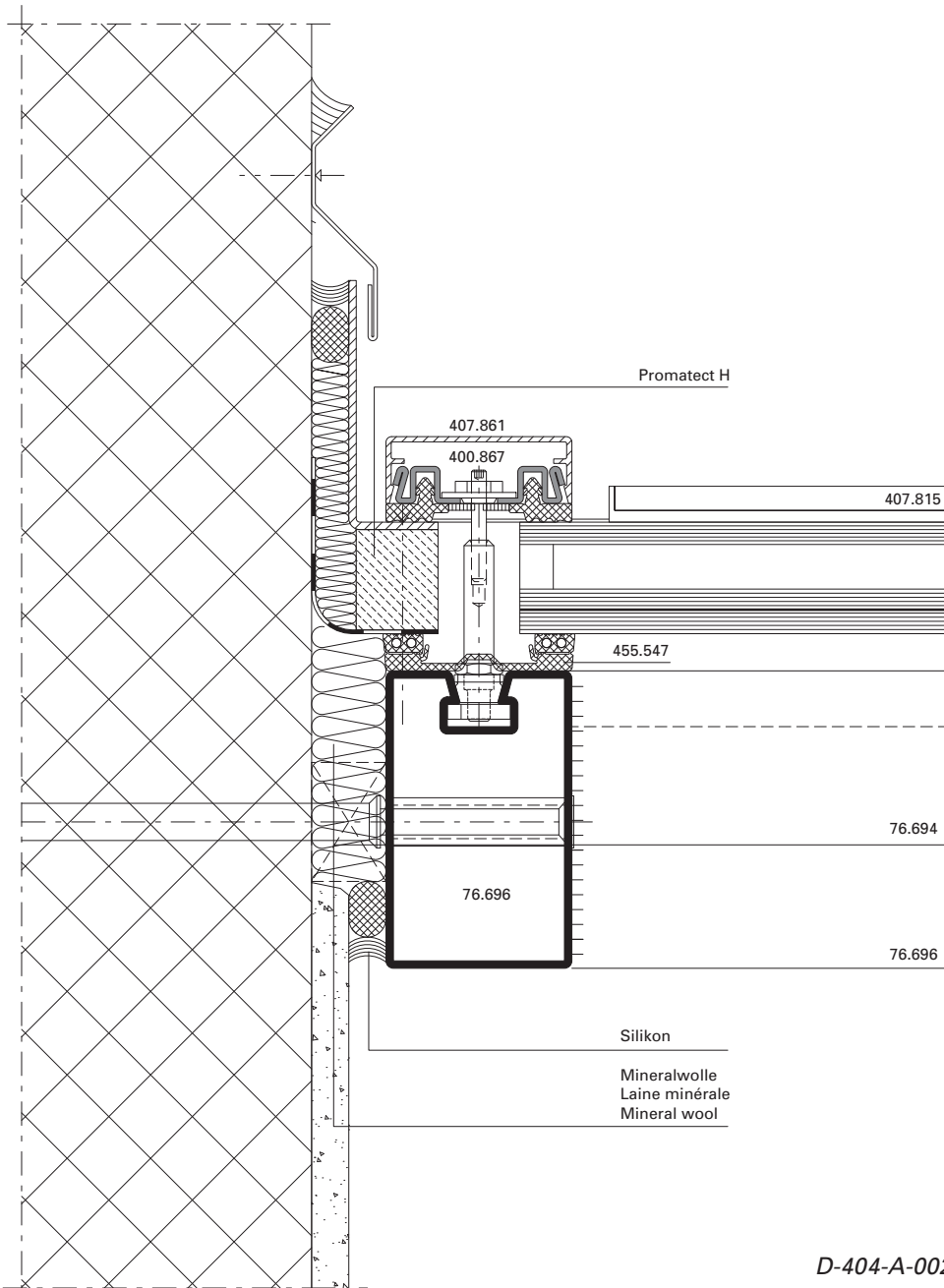
Anschlüsse am Bau im Masstab 1:2
Raccordement au mur à l'échelle 1:2
Attachment to structure on scale 1:2

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Wandanschluss seitlich

Raccordement au mur latéral

Wall abutment lateral



E30

EI30

D-404-A-002

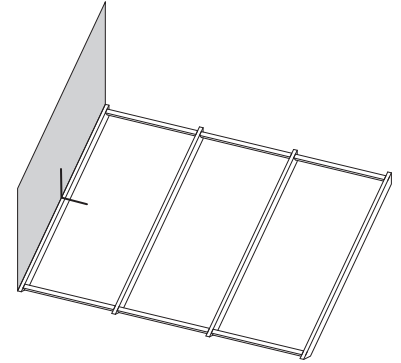
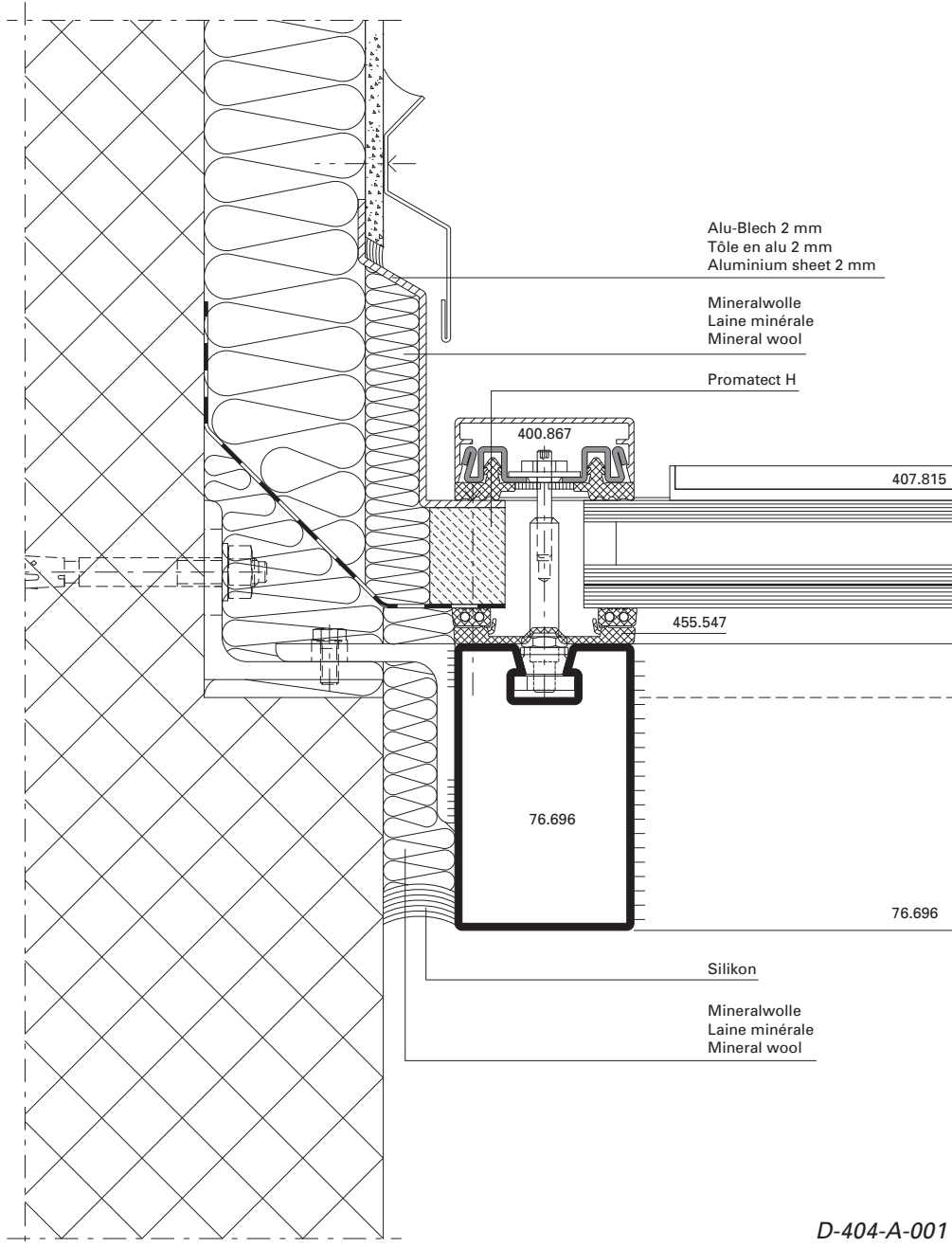
Anschlüsse am Bau im Massstab 1:2
Raccordement au mur à l'échelle 1:2
Attachment to structure on scale 1:2

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

Wandanschluss seitlich

Raccordement au mur latéral

Wall abutment lateral



E30

EI30

D-404-A-001

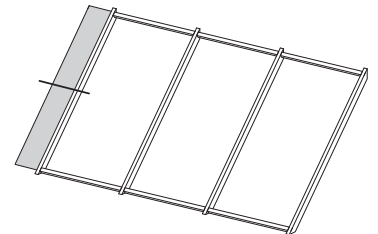
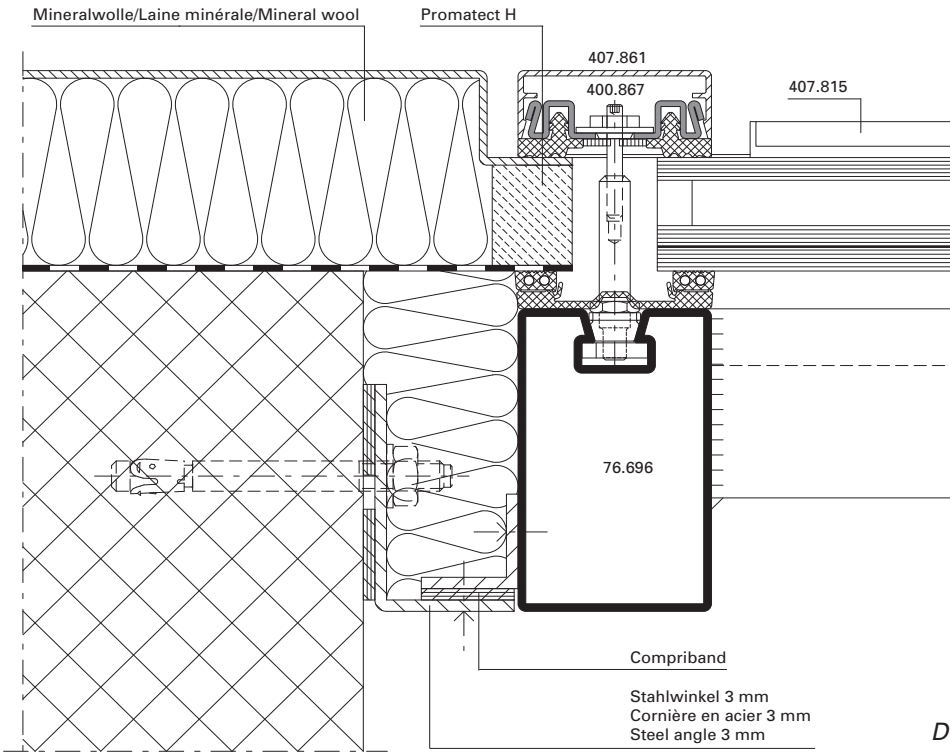
Anschlüsse am Bau im Masstab 1:2
 Raccordement au mur à l'échelle 1:2
 Attachment to structure on scale 1:2

VISS Fire TVS (schräg)
 VISS Fire TVS (oblique)
 VISS Fire TVS (sloping)

Wandanschluss seitlich

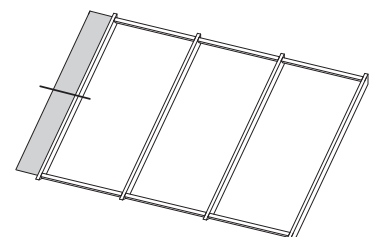
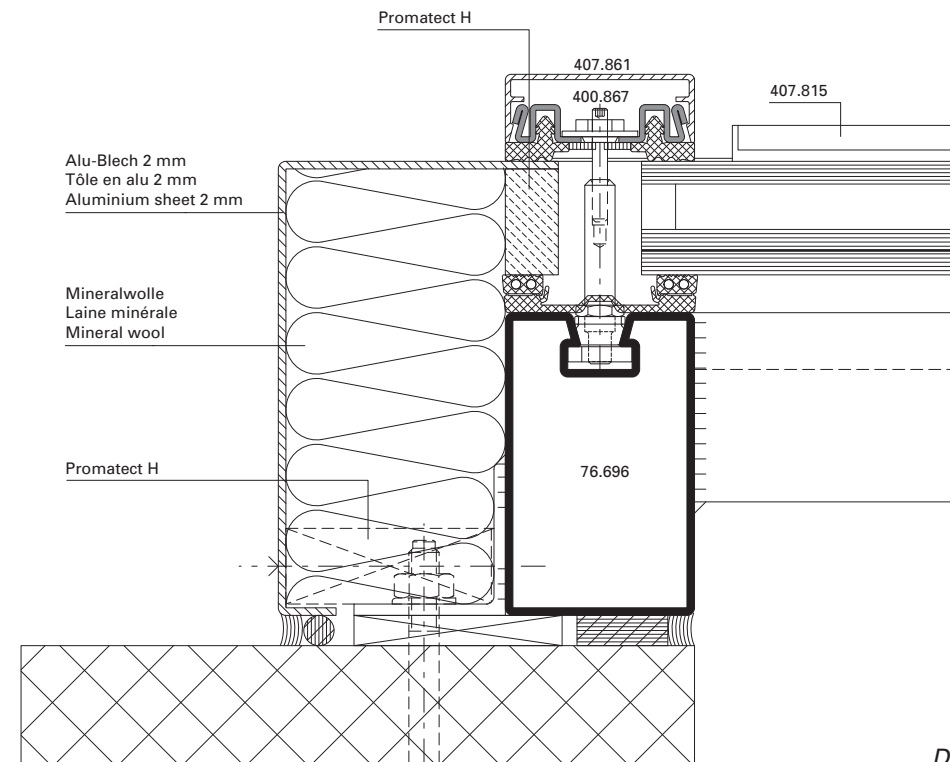
Raccordement au mur latéral

Wall abutment lateral



E30
EI30

D-404-A-007



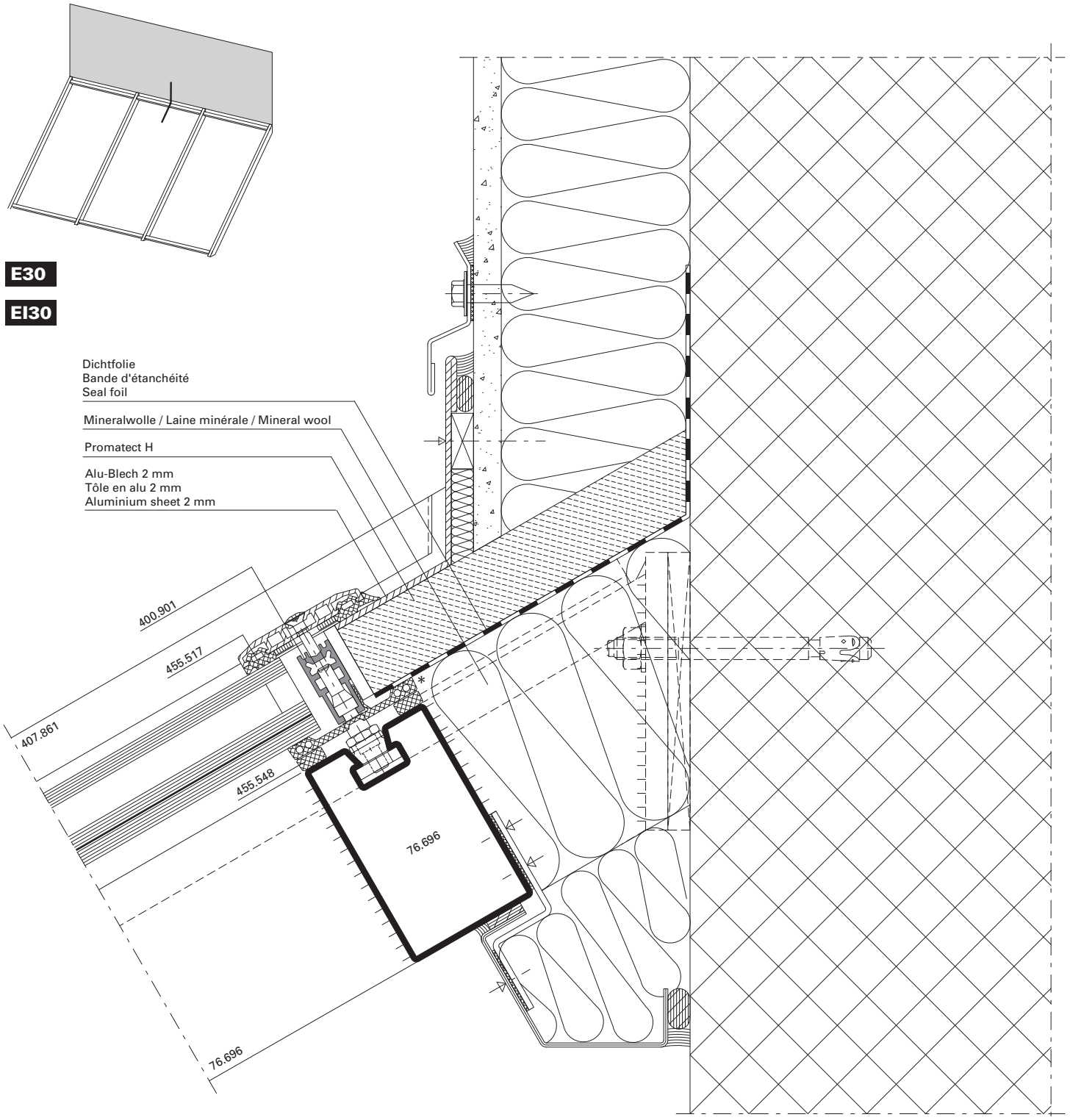
E30
EI30

D-404-A-008

Wandanschluss oben

Raccordement en haut

Wall abutment top



E30

EI30

Dichtfolie
 Bande d'étanchéité
 Seal foil

Mineralwolle / Laine minérale / Mineral wool

Promatect H

Alu-Blech 2 mm
 Tôle en alu 2 mm
 Aluminium sheet 2 mm

D-404-A-003

* Abschottung im Bereich Vertikaldichtung
 * Cloisonnage au niveau du joint vertical
 * Partition around vertical sealing

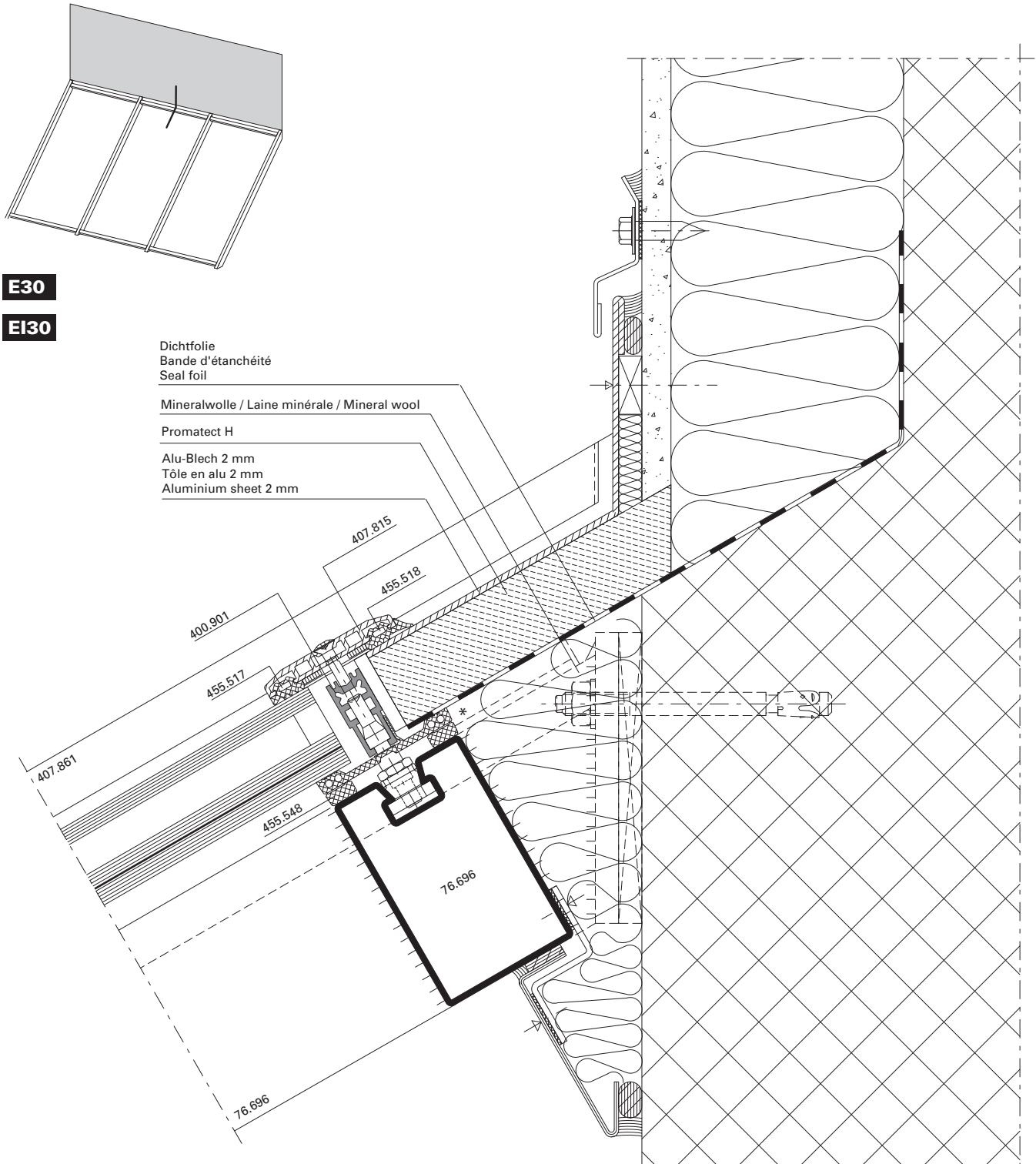
Anschlüsse am Bau im Masstab 1:2
 Raccordement au mur à l'échelle 1:2
 Attachment to structure on scale 1:2

VISS Fire TVS (schräg)
 VISS Fire TVS (oblique)
 VISS Fire TVS (sloping)

Wandanschluss oben

Raccordement en haut

Wall abutment top



E30

E130

Dichtfolie
 Bande d'étanchéité
 Seal foil

Mineralwolle / Laine minérale / Mineral wool

Promatect H

Alu-Blech 2 mm
 Tôle en alu 2 mm
 Aluminium sheet 2 mm

D-404-A-004

* Abschottung im Bereich Vertikaldichtung
 * Cloisonnage au niveau du joint vertical
 * Partition around vertical sealing

Ausgeführte Objekte
Objets réalisés
Completed projects

VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)

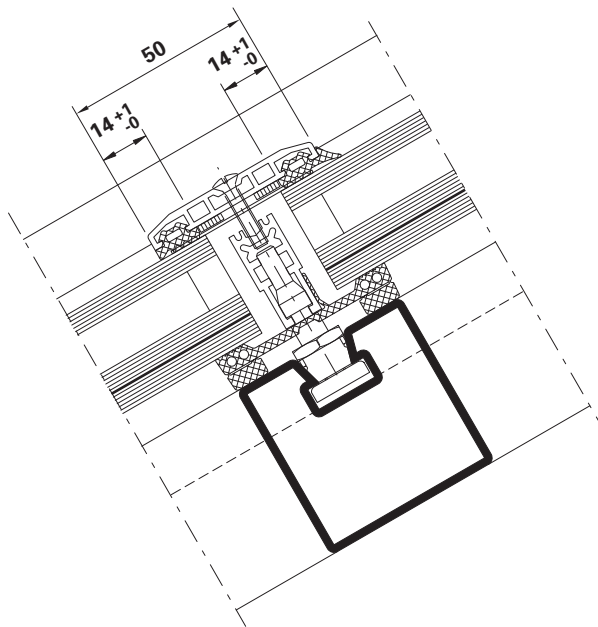
Forschungs- und Entwicklungszentrum Semperit, Wimpassing/AT (Architekt: Najjar-Najjar Architekten, Wien/AT)



Glaseinstand

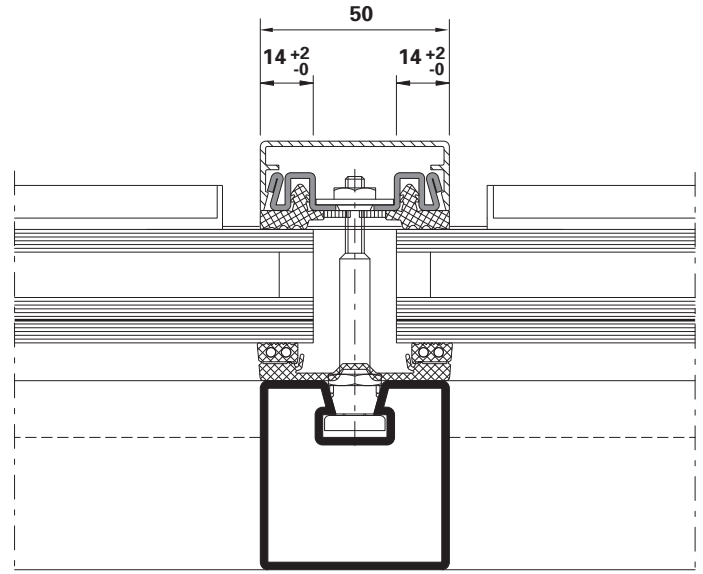
Prise en feuillure

Glass edge cover



E30

EI30



Die landesspezifischen Brandschutz-Zulassungen bzw. deren Bestimmungen und Vorschriften sind zu beachten.

Les certificats de protection incendie spécifiques au pays, leurs dispositions et leurs prescriptions doivent être respectés.

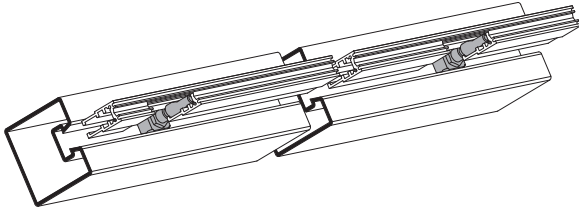
Fire-protection approvals or applicable national regulations and determinations must be observed.

Belastung/Glasauflagen

Charge/Supports de verre

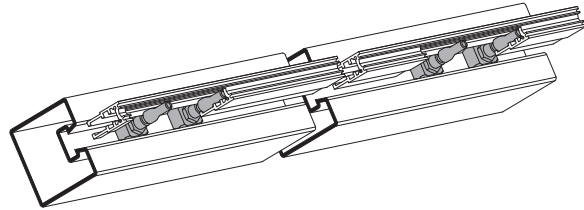
Load/Glazing supports

< 75 kg



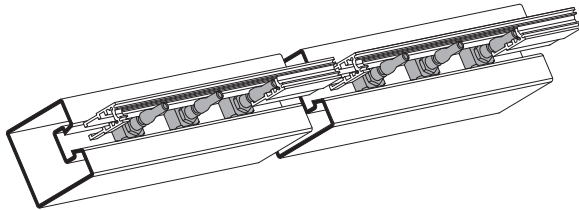
Anzahl Traganker **2 x 1**
Nombre boulon-support **2 x 1**
Number supporting bolt **2 x 1**

< 150 kg



Anzahl Traganker **2 x 2**
Nombre boulon-support **2 x 2**
Number supporting bolt **2 x 2**

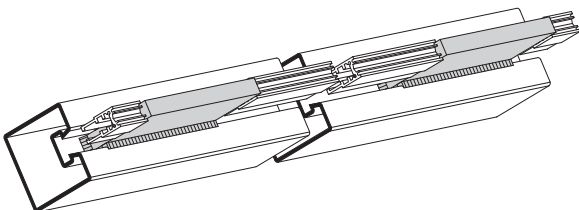
< 300 kg



Anzahl Traganker **2 x 3**
Nombre boulon-support **2 x 3**
Number supporting bolt **2 x 3**

Für Füllelementstärken 27 - 33 mm
Pour éléments de remplissage 27 - 33 mm
For infill elements 27 - 33 mm

< 800 kg



2 x Flachstahl **100 x 10 mm eingeschweisst**
2 x Acier plat **100 x 10 mm soudé**
2 x Flat steel **100 x 10 mm welding**

Für Füllelementstärken 27 - 33 mm
Pour éléments de remplissage 27 - 33 mm
For infill elements 27 - 33 mm

Sonderlösung

Solution spéciale

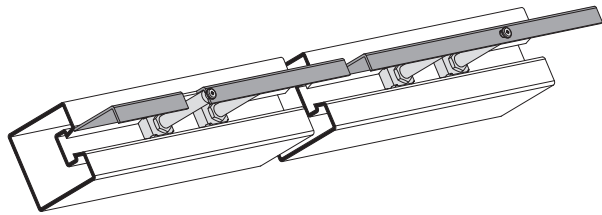
Customised solution

Belastung/Glasauflagen

Charge/Supports de verre

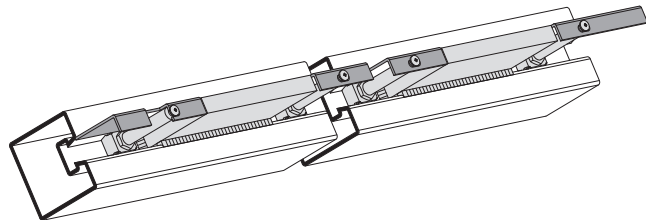
Load/Glazing supports

< 180 kg



Anzahl Traganker **2 x 2**
Nombre boulon-support **2 x 2**
Number supporting bolt **2 x 2**

< 800 kg

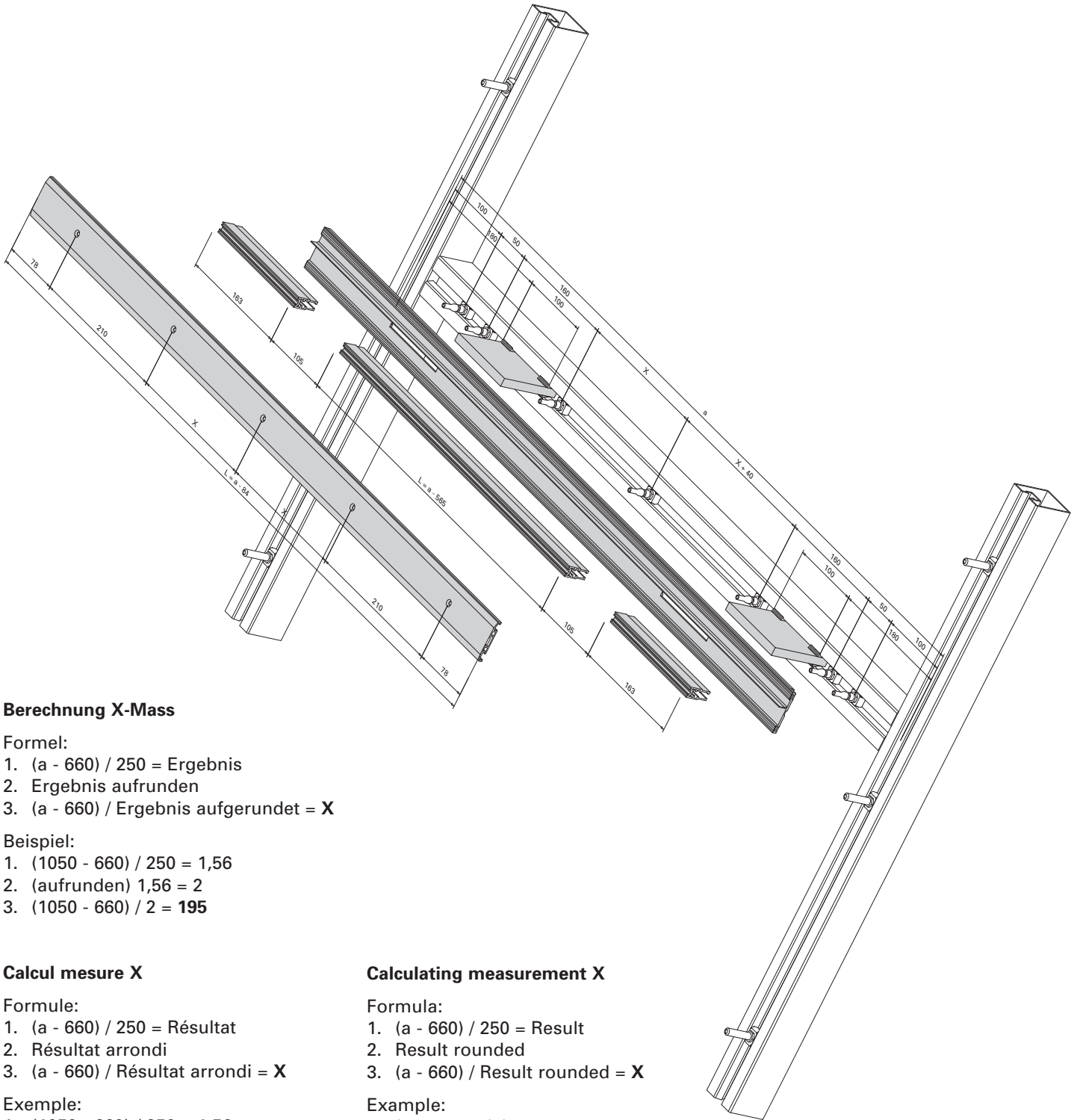


2 x Flachstahl **100 x 10 mm eingeschweisst**
2 x Acier plat **100 x 10 mm soudé**
2 x Flat steel **100 x 10 mm welding**

Einbau Glasauflagen
(Falzprofil 400.901)
mit Flachstahl

Montage supports de verre
(profilé de feuillure 400.901)
avec acier plat

Installation glazing supports
(rebate section 400.901)
with flat steel



Berechnung X-Mass

Formel:

1. $(a - 660) / 250 = \text{Ergebnis}$
2. Ergebnis aufrunden
3. $(a - 660) / \text{Ergebnis auferundet} = \mathbf{X}$

Beispiel:

1. $(1050 - 660) / 250 = 1,56$
2. (aufrunden) $1,56 = 2$
3. $(1050 - 660) / 2 = \mathbf{195}$

Calcul mesure X

Formule:

1. $(a - 660) / 250 = \text{Résultat}$
2. Résultat arrondi
3. $(a - 660) / \text{Résultat arrondi} = \mathbf{X}$

Exemple:

1. $(1050 - 660) / 250 = 1,56$
2. (arrondi) $1,56 = 2$
3. $(1050 - 660) / 2 = \mathbf{195}$

Calculating measurement X

Formula:

1. $(a - 660) / 250 = \text{Result}$
2. Result rounded
3. $(a - 660) / \text{Result rounded} = \mathbf{X}$

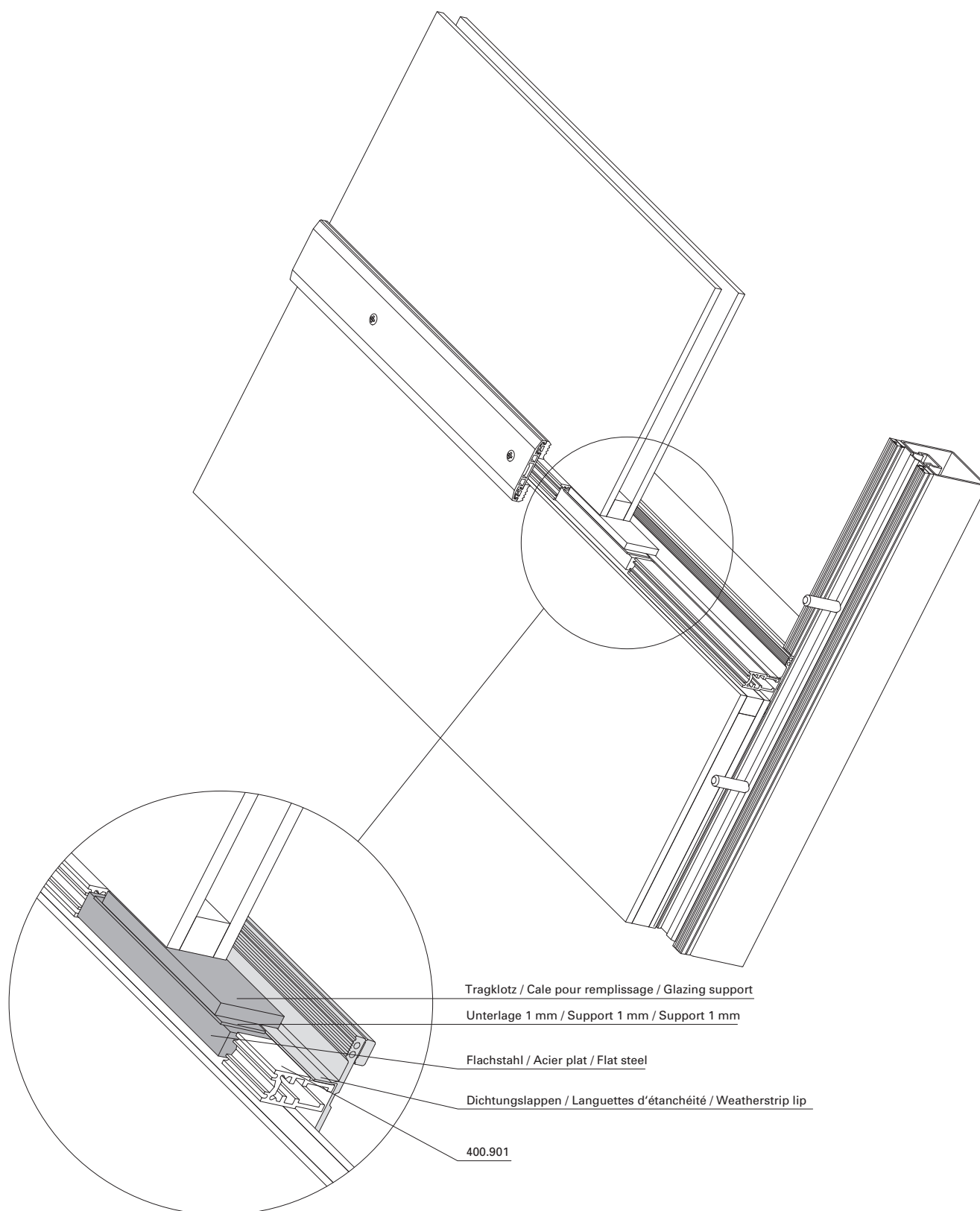
Example:

1. $(1050 - 660) / 250 = 1,56$
2. (rounded) $1,56 = 2$
3. $(1050 - 660) / 2 = \mathbf{195}$

Einbau Glasauflagen
(Falzprofil 400.901)
mit Flachstahl

Montage supports de verre
(profilé de feuillure 400.901)
avec acier plat

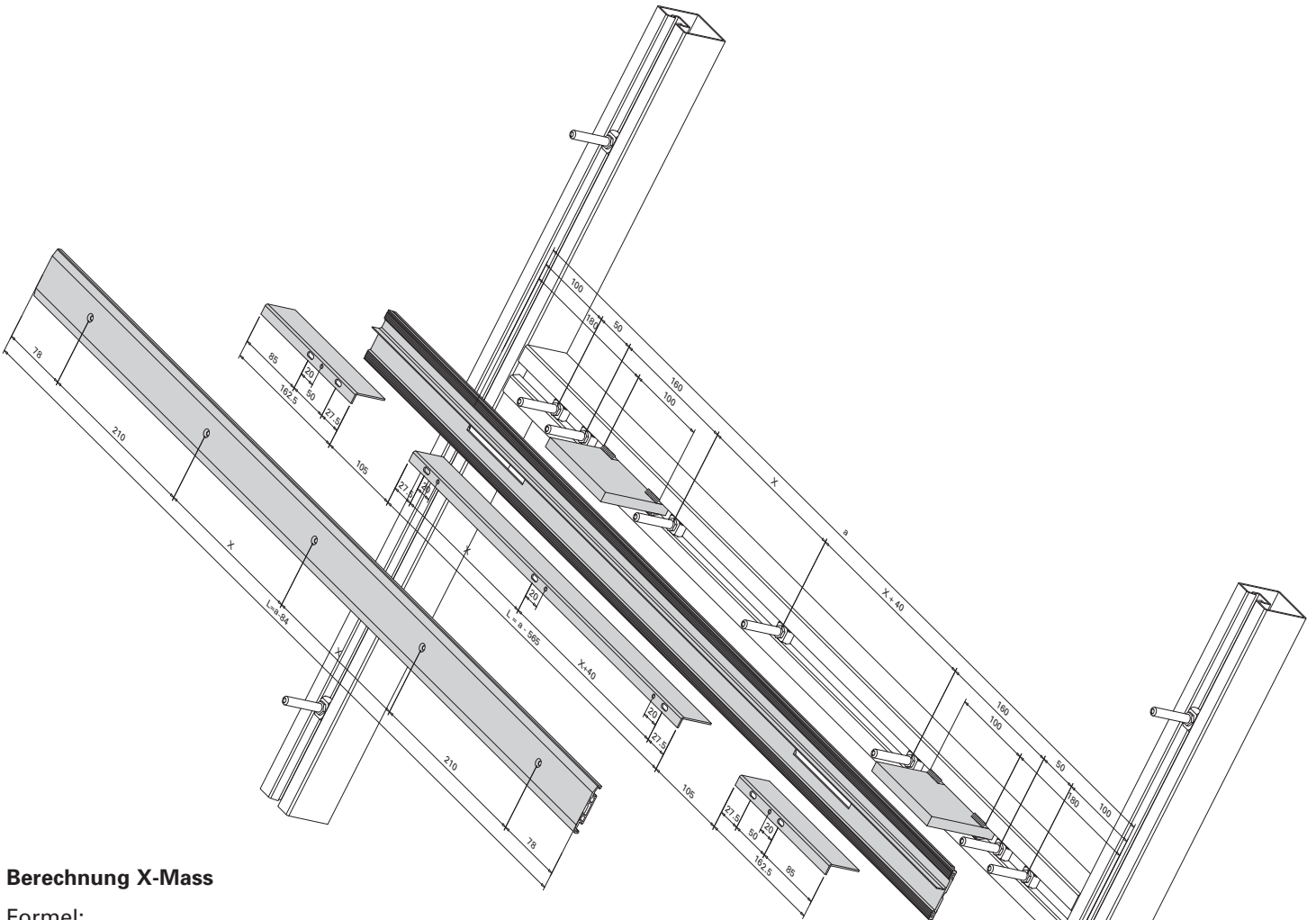
Installation glazing supports
(rebate section 400.901)
with flat steel



Einbau Glasauflagen
 (Abkantprofil)
 mit Flachstahl

Montage supports de verre
 (profilé de plié)
 avec acier plat

Installation glazing supports
 (folding profile)
 with flat steel



Berechnung X-Mass

Formel:

1. $(a - 660) / 250 = \text{Ergebnis}$
2. Ergebnis aufrunden
3. $(a - 660) / \text{Ergebnis aufrundet} = X$

Beispiel:

1. $(1050 - 660) / 250 = 1,56$
2. (aufrunden) $1,56 = 2$
3. $(1050 - 660) / 2 = 195$

Calcul mesure X

Formule:

1. $(a - 660) / 250 = \text{Résultat}$
2. Résultat arrondi
3. $(a - 660) / \text{Résultat arrondi} = X$

Exemple:

1. $(1050 - 660) / 250 = 1,56$
2. (arrondi) $1,56 = 2$
3. $(1050 - 660) / 2 = 195$

Calculating measurement X

Formula:

1. $(a - 660) / 250 = \text{Result}$
2. Result rounded
3. $(a - 660) / \text{Result rounded} = X$

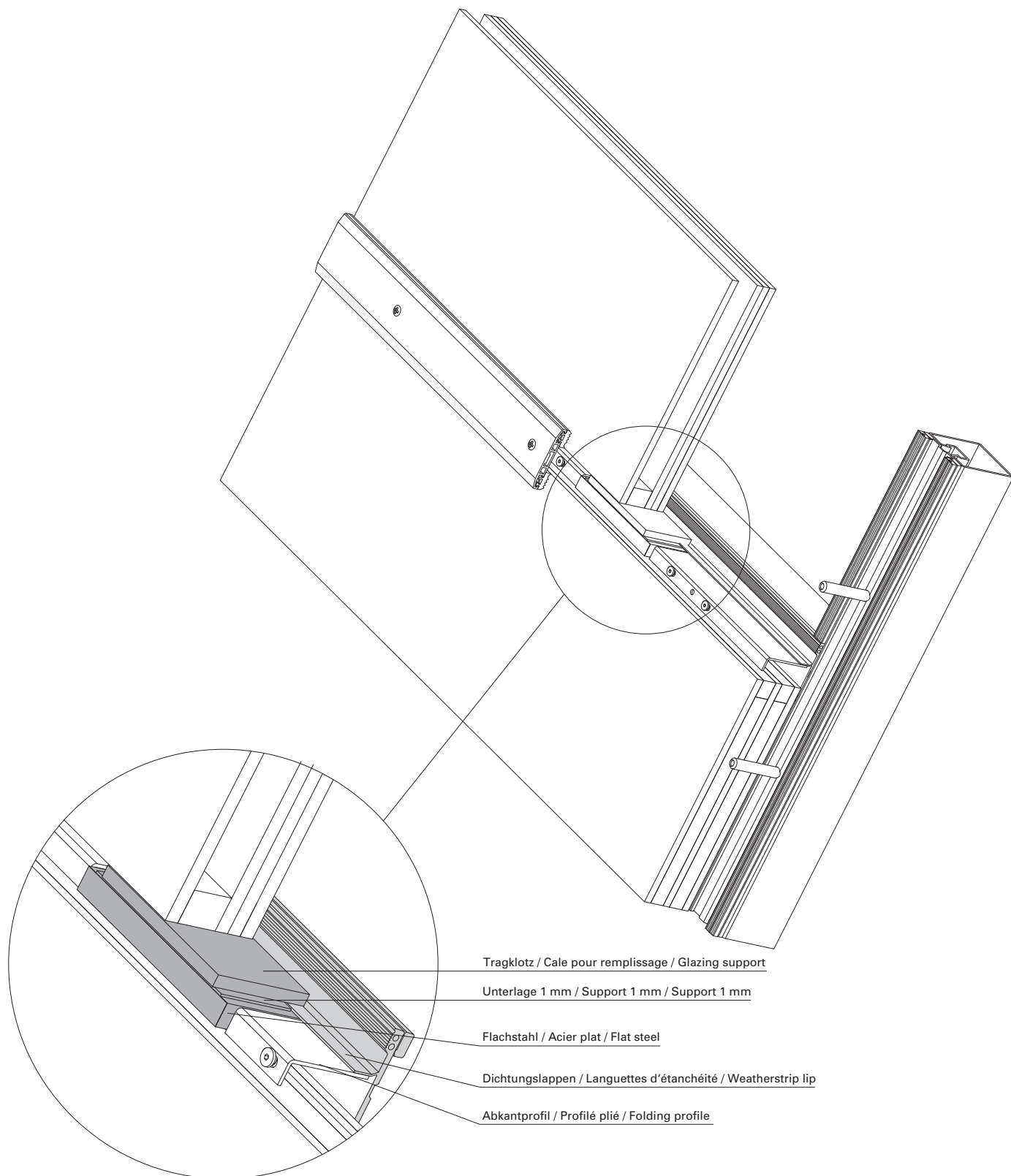
Example:

1. $(1050 - 660) / 250 = 1,56$
2. (rounded) $1,56 = 2$
3. $(1050 - 660) / 2 = 195$

Einbau Glasauflagen
(Abkantprofil)
mit Flachstahl

Montage supports de verre
(profilé de plié)
avec acier plat

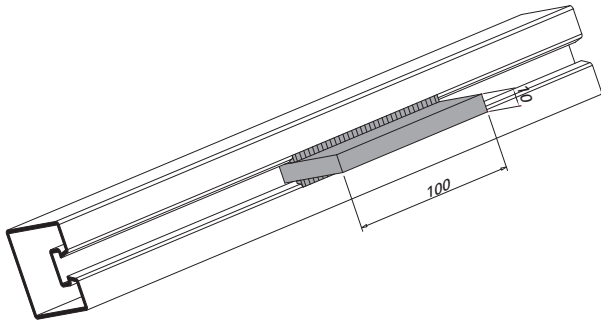
Installation glazing supports
(folding profile)
with flat steel



**Sonderlösung
Glasauflagen**

**Solution spéciale
Supports de verre**

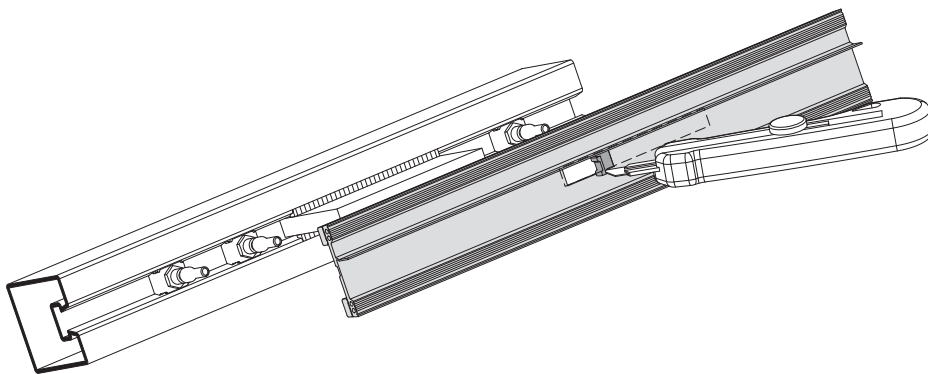
**Customised solution
Glazing supports**



Flachstahl 100x10 mm anschweißen

Souder acier plat 100x10 mm

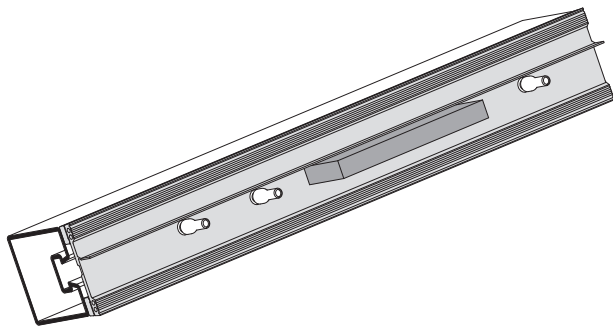
Weld on flat steel 100x10 mm



Innendichtung im Bereich der
Flachstahl-Glasauflagen ausklinken

Entailler le joint intérieur au niveau
du supports de verre en acier plat

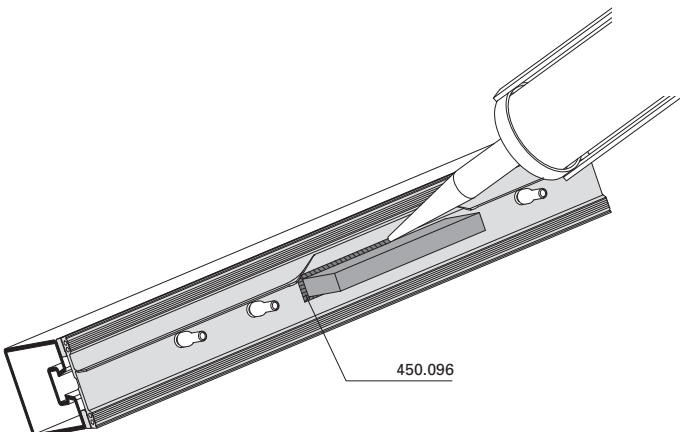
Disengage the inside sealing around
the flat steel glazing supports



Innendichtung über Flachstahl-
Glasauflagen stecken

Emboîter le joint intérieur sur le
supports de verre en acier plat

Place the inside sealing over the
flat steel glazing supports



Ausklinkung im Bereich Glasauflagen
umlaufend mit Dichtmasse abdichten

Colmater entièrement les bords de la
mortaise au niveau du supports de
verre à l'aide d'une pâte d'étanchéité

Seal the recess area around the
glazing supports all-round with sealing
compound

Sonder-Lösung Füllelementstärken < 26 mm / > 34 mm

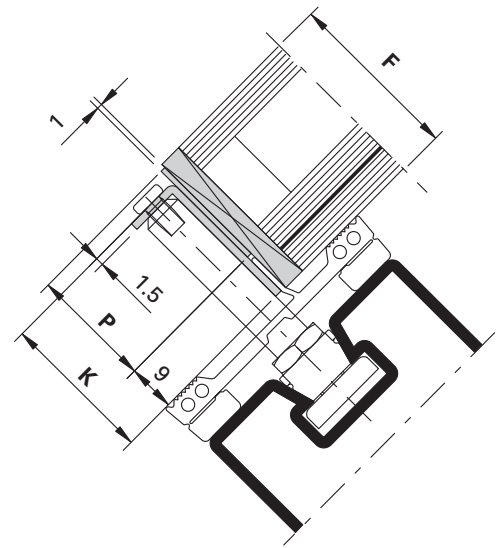
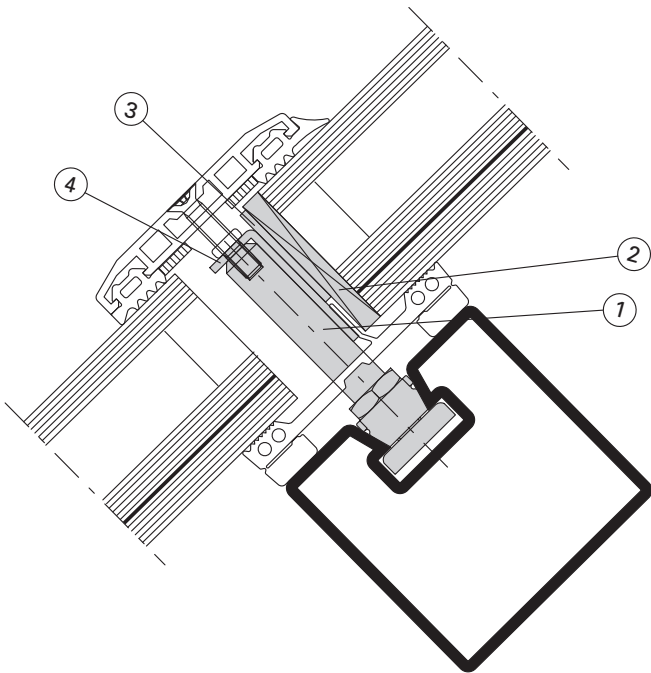
Solution spéciale l'épaisseur de l'élément de remplissage < 26 mm / > 34 mm

Customised solution infill panel thicknesses < 26 mm / > 31 mm

VISS Fire TVS (schräg)

VISS Fire TVS (oblique)

VISS Fire TVS (sloping)



F mm	Brandschutzanker Boulon d'ancrage Fire-proof anchor ①	Tragklotz 453.070 Cale pour remplissage 453.070 Glazing support 453.070 ②	Glasklotzlager* Palier de la cale* Glazing block* ③	Abkantprofil* Profilé de plié* Folding profile* ④
12 – 15	452.482	13 mm	–	11 mm
16 – 18	452.453	17 mm	8 mm	15 mm
19 – 21	452.472	20 mm	11 mm	17 mm
22 – 23	452.475	22 mm	12 mm	21 mm
24 – 26	452.476	25 mm	16 mm	24 mm
27 – 30	452.477	28 mm	Standard-Lösung / Solution standard / Standard solution	
31 – 33	452.478	30 mm		
34 – 36	452.479	35 mm	26 mm	33 mm
37 – 39	452.448	38 mm	29 mm	36 mm
40 – 42	452.441	41 mm	32 mm	39 mm
43 – 45	452.442	42 mm	33 mm	42 mm
46 – 49	452.443	47 mm	38 mm	45 mm
50 – 52	452.446	51 mm	42 mm	49 mm
53 – 57	452.444	54 mm	45 mm	52 mm

* Durch Metallbauer herzustellen (in Edelstahl)

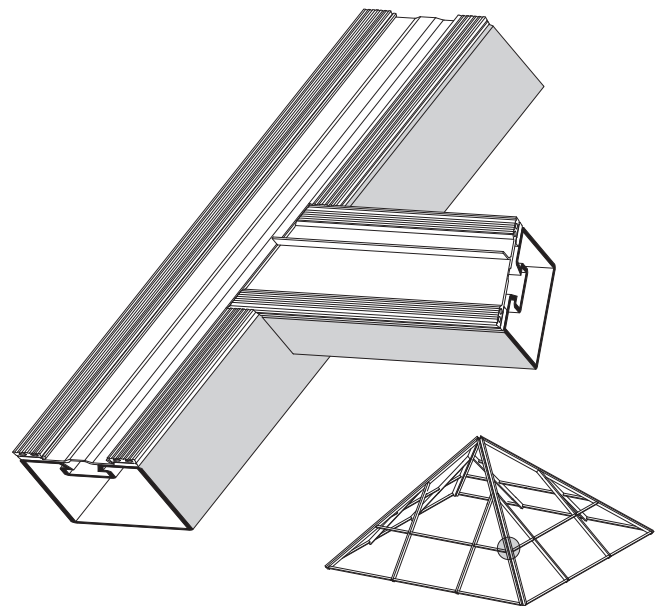
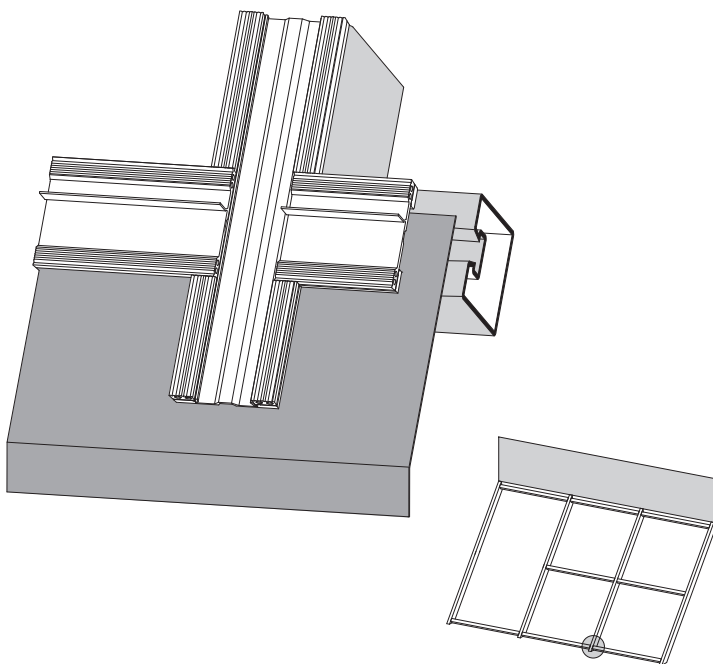
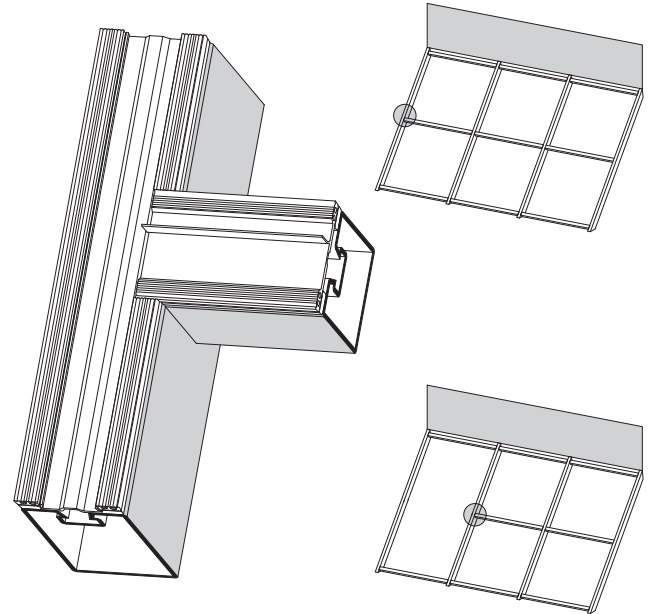
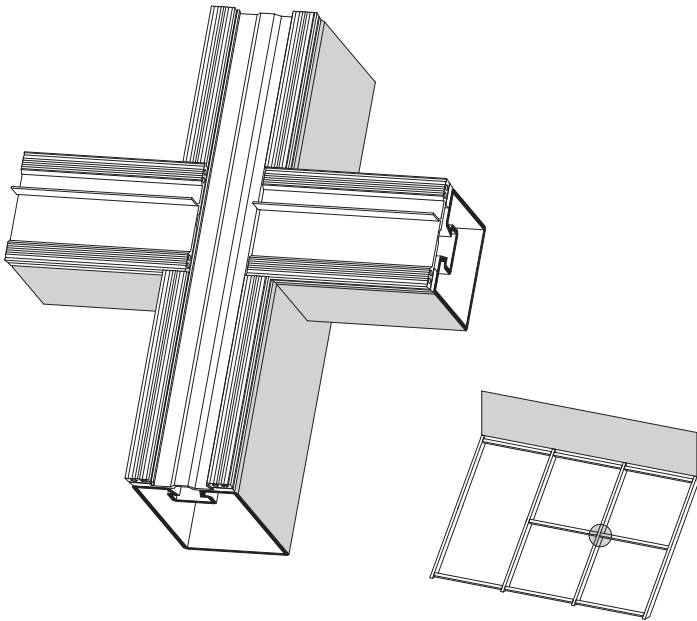
* A réaliser par un menuisier métallique (en acier Inox)

* To be made by fabricators (out of stainless steel)

Stossausbildungen Innendichtung

Jonctions joint intérieur

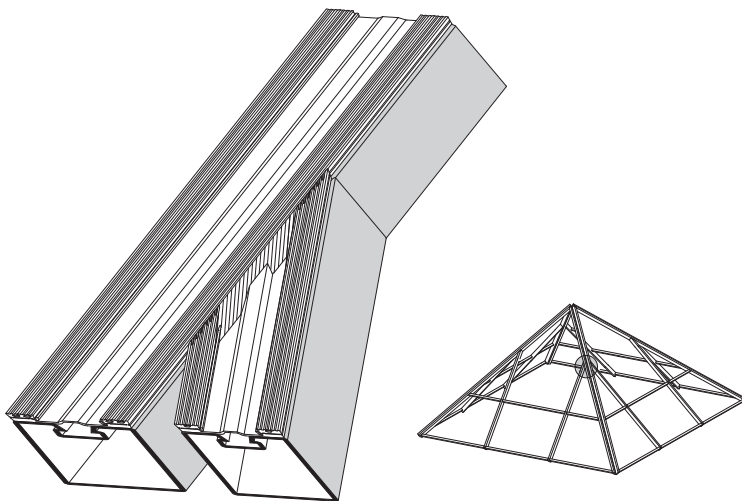
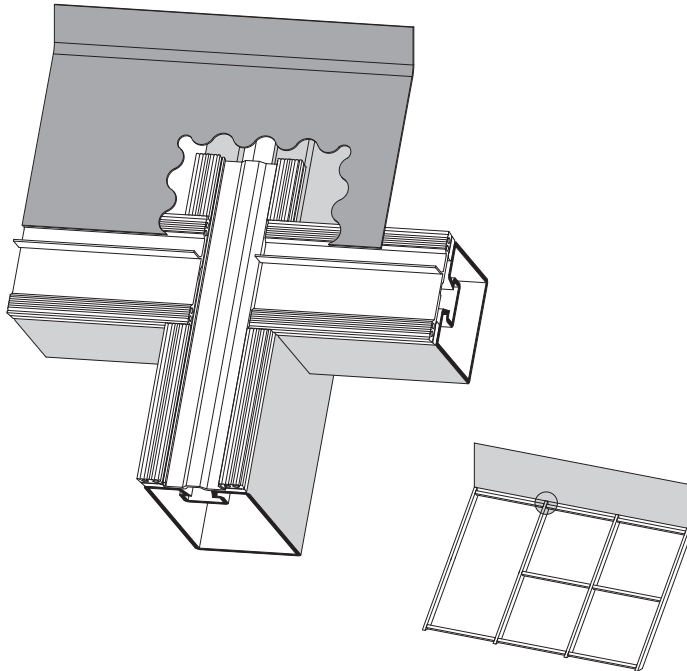
Inner gasket junctions



Stossausbildungen Innendichtung

Jonctions joint intérieure

Inner gasket junctions



VISS Fire TVS (schräg)
VISS Fire TVS (oblique)
VISS Fire TVS (sloping)
