VISS Fire TV

Wärmegedämmte Brandschutz-Fassaden

VISS Fire TV

Façades de protection incendie à rupture de pont thermique

VISS Fire TV

Thermally insulated fire-resistant façades

JANSEN
Steel Systems

Systemübersicht
Systemschnitt
Typenübersicht
Zulassungen

Sommaire du système
Coupe du système
Sommaire des types
Homologations

Summary of system **2**
Cross-section trough system
Summary of types
Authorisations

Profilsortiment
Profile 50 mm
Deckprofile 50 mm
Zubehör

Assortiment de profilé
Profilés 50 mm
Profilés de recouvrement 50 mm
Accessoires

Range of profiles **8**
Profiles 50 mm
Cover sections 50 mm
Accessories

Konstruktions-Hinweise E30/E60
Schnittpunkte
Konstruktions-Details
Anschlüsse am Bau

Consignes de construction E30/E60
Coupes de détails
Détails de construction
Raccordement au mur

Construction instructions E30/E60 **19**
Section details
Construction details
Attachment to structure

Konstruktions-Hinweise EI30/EI60/EI90
Schnittpunkte
Konstruktions-Details
Anschlüsse am Bau

Consignes de construction EI30/EI60/EI90
Coupes de détails
Détails de construction
Raccordement au mur

Construction instructions EI30/EI60/EI90 **45**
Section details
Construction details
Attachment to structure

Verarbeitungs-Hinweise

Indications d'usinage

Assembly instructions **73**

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 TV

Wärmegedämmte, auf dem System der Trockenverglasung basierende Pfosten-Riegelkonstruktion für Brandschutz-Fassaden.

Anwendung:
E30 / E60
EI30 / EI60 / EI90

VISS Fire TV

Construction à montants et traverses à rupture de pont thermique basée sur le système du vitrage à sec et conçue pour les façades de protection incendie.

Application:
E30 / E60
EI30 / EI60 / EI90

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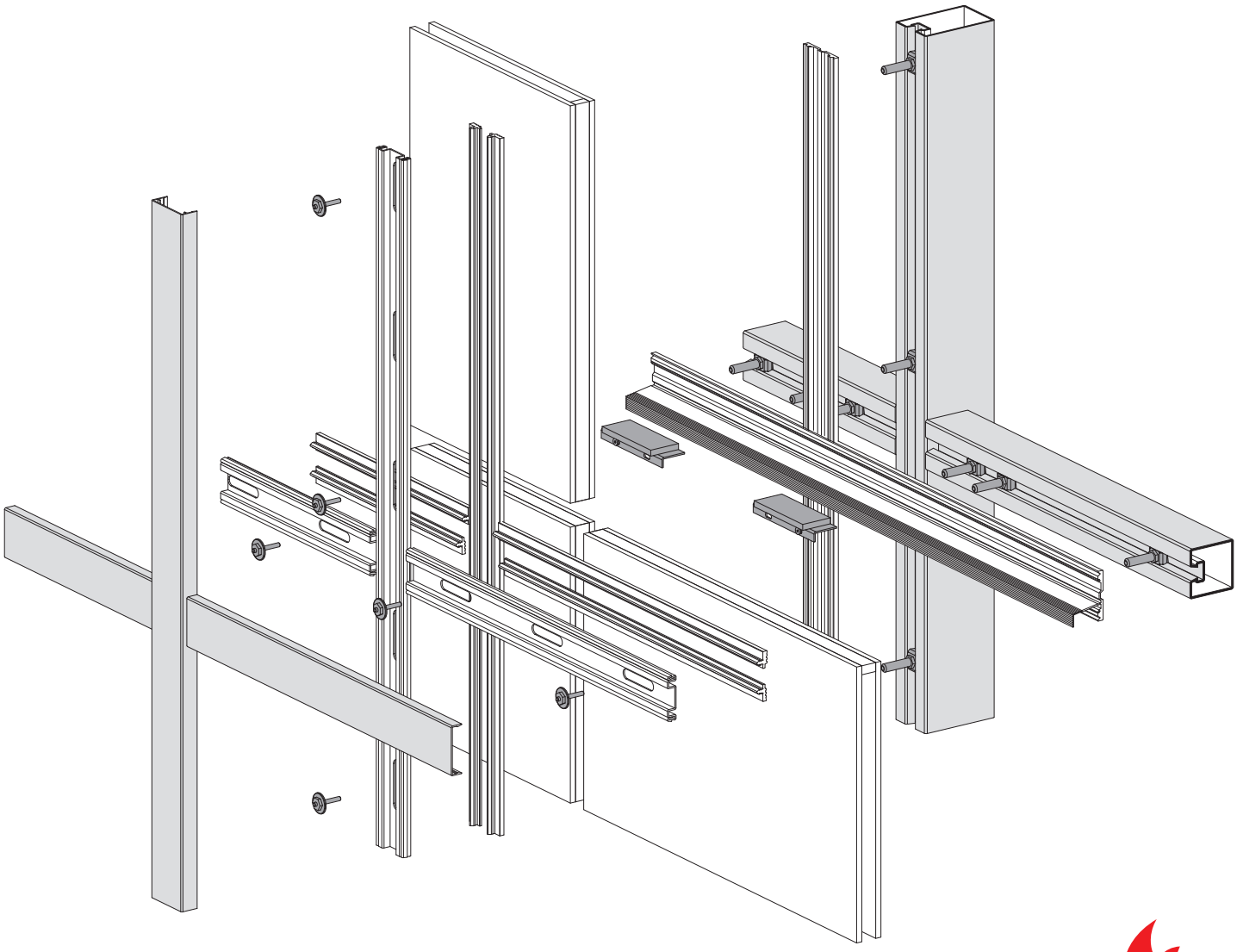
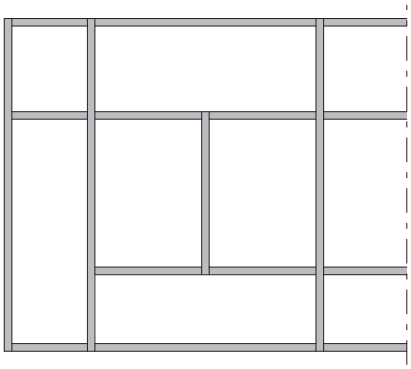
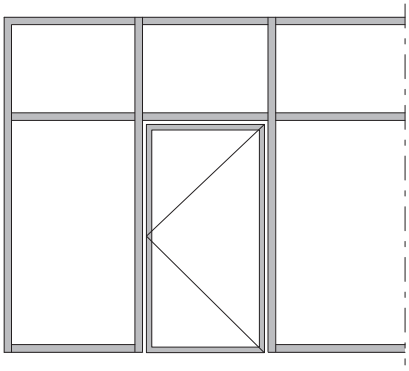
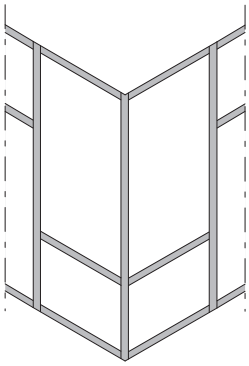
Fully insulated curtain walling system, suitable for fire protection façades, using mullions and transoms and based on the dry glazing system.

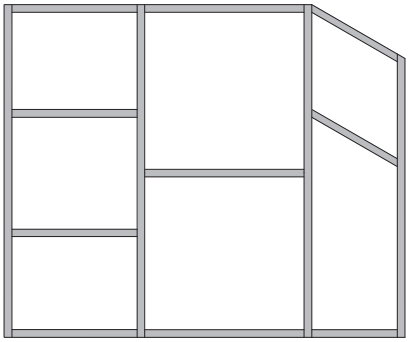
Application:
E30 / E60
EI30 / EI60 / EI90

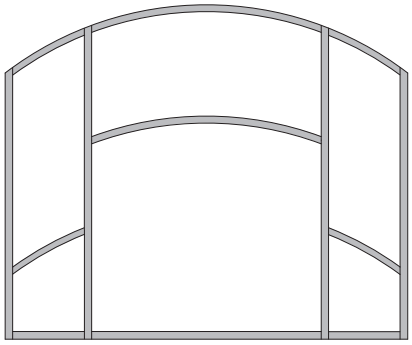


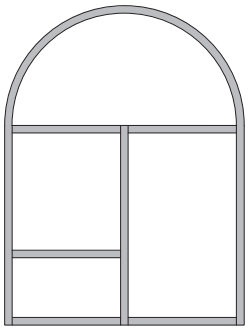


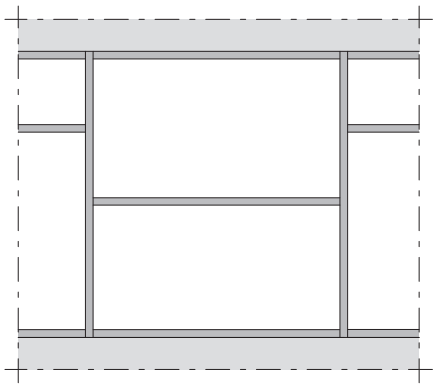


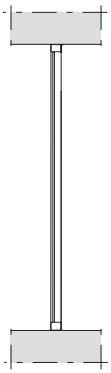


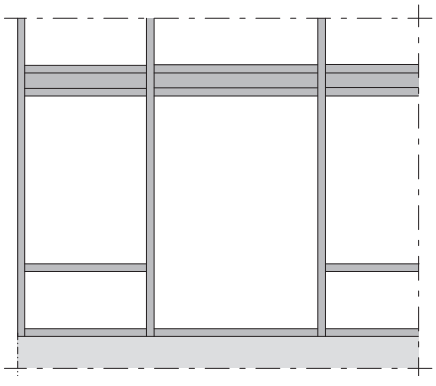


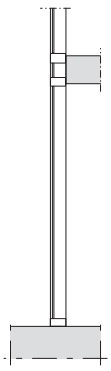












VISS Fire TV
Brandschutzverglasung Klasse E

CH: **R30**
SBZ 8155

E60
SBZ 14647 / SBZ 14648

DE: **G30**
Z-19-14-590
Z-19.14-1214

G60
Z-19.14-1216

TRAV
Technische Regeln für die Verwendung von absturzsichernden Verglasungen

Prüfbescheid
J-10-02-1 „a" Fassade
Kategorie A (900 mm)

Klemmverbindung
AbZ Z-14.4-465 (Brandschutzanker)

Pfosten-Riegel-Verbindung
AbZ Z-14.4-467 (T-Verbinder)

A: **E30 / EW30**
E60 / EW60
E90 / EW90
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

F: **Pare-flammes 30', 45', 60', 90'**
Divers Procès-verbaux
efectis france

GB: **Integrity $^1/_2$ h, 1 h, 1$^1/_2$ h, 2 h**
BS 476:Part 22:1987
Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
BRE GB-Bucknalls Lane,
Harston, Watford, Herfordshire

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

VISS Fire TV
Vitrage pare-flammes Classe E

CH: **R30**
SBZ 8155

E60
SBZ Z 14647 / SBZ Z 14648

DE: **G30**
Z-19-14-590
Z-19.14-1214

G60
Z-19.14-1216

TRAV
Règlement technique pour la sécurité anti-chute des vitrages

Prüfbescheid
J-10-02-1 „a" Fassade
Kategorie A (900 mm)

Jonction par serrage
AbZ Z-14.4-465 (boulon d'ancrage anti-incendie)

Jonction montant-traverse
AbZ Z-14.4-467 (Raccord en T)

A: **E30 / EW30**
E60 / EW60
E90 / EW90
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

F: **Pare-flammes 30', 45', 60', 90'**
Divers Procès-verbaux
efectis france

GB: **Integrity $^1/_2$ h, 1 h, 1$^1/_2$ h, 2 h**
BS 476:Part 22:1987
Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
BRE GB-Bucknalls Lane,
Harston, Watford, Herfordshire

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

VISS Fire TV
Fire protection glazing Class E

CH: **R30**
SBZ 8155

E60
SBZ Z 14647 / SBZ Z 14648

DE: **G30**
Z-19-14-590
Z-19.14-1214

G60
Z-19.14-1216

TRAV
The technical regulations for protecting glazing against falling out

Prüfbescheid
J-10-02-1 „a" Fassade
Kategorie A (900 mm)

Clamp connection
AbZ Z-14.4-465 (fire-proof anchor)

Mullion-transom connection
AbZ Z-14.4-467 (Connecting spigot)

A: **E30 / EW30**
E60 / EW60
E90 / EW90
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

F: **Pare-flammes 30', 45', 60', 90'**
Divers Procès-verbaux
efectis france

GB: **Integrity $^1/_2$ h, 1 h, 1$^1/_2$ h, 2 h**
BS 476:Part 22:1987
Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
BRE GB-Bucknalls Lane,
Harston, Watford, Herfordshire

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

VISS Fire TV
Brandschutzverglasung Klasse EI

CH: **EI30**
SBZ 14107, 14646

EI60
SBZ 18869

F90
SBZ 14644 / SBZ 14645

DE: **F30**
Z-19-14-1592

F90
Z-19.14-1730

TRAV
Technische Regeln für die Verwendung von absturzsichernden Verglasungen

Prüfbescheid
J-10-02-1 „a" Fassade
Kategorie A (900 mm)

Klemmverbindung
AbZ Z-14.4-465 (Brandschutzanker)

Pfosten-Riegel-Verbindung
AbZ Z-14.4-467 (T-Verbinder)

A: **EI30 / EI60**
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

F: **Coupe feu 30', 45', 60', 90'**
Divers Procès-verbaux
efectis france

GB: **Integrity $^1/_2$ h, 1 h, $1^1/_2$ h, 2 h**
BS 476:Part 22:1987
Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
BRE GB-Bucknalls Lane,
Harston, Watford, Herfordshire

VISS Fire TV
Vitrage coupe feu Classe EI

CH: **EI30**
SBZ 14107, 14646

EI60
SBZ 18869

F90
SBZ 14644 / SBZ 14645

DE: **F30**
Z-19-14-1592

F90
Z-19.14-1730

TRAV
Règlement technique pour la sécurité anti-chute des vitrages

Prüfbescheid
J-10-02-1 „a" Fassade
Kategorie A (900 mm)

Jonction par serrage
AbZ Z-14.4-465 (boulon d'ancrage anti-incendie)

Jonction montant-traverse
AbZ Z-14.4-467 (Raccord en T)

A: **EI30 / EI60**
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

F: **Coupe feu 30', 45', 60', 90'**
Divers Procès-verbaux
efectis france

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Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
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Harston, Watford, Herfordshire

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Fire protection glazing Class EI

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SBZ 14107, 14646

EI60
SBZ 18869

F90
SBZ 14644 / SBZ 14645

DE: **F30**
Z-19-14-1592

F90
Z-19.14-1730

TRAV
The technical regulations for protecting glazing against falling out

Prüfbescheid
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Clamp connection
AbZ Z-14.4-465 (fire-proof anchor)

Mullion-transom connection
AbZ Z-14.4-467 (Connecting spigot)

A: **EI30 / EI60**
Klassifizierungsbericht
Nr. 100 308 27-4 IBS Linz

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efectis france

GB: **Integrity $^1/_2$ h, 1 h, $1^1/_2$ h, 2 h**
BS 476:Part 22:1987
Assessment Report CC 88368
Rev. 5, Assessment Report
CC 204234A, Rev. 3
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.

VISS Fire TV

Produktnorm Vorhangfassade
EN 13830

Luftdurchlässigkeit (EN 12152)	AE
Schlagregendichtheit (EN 12154)	RE 1200
Widerstandsfähigkeit bei Windlast (EN 13116)	
zulässige Last	2000 Pa
erhöhte Last	3000 Pa
Stossfestigkeit (EN 14019)	I5/E5

Prüfbericht 108 28793,
Gutachten 155 28793 und
Klassifizierungsbericht 100 28793,
ift DE-Rosenheim

Luftschalldämmung
nach EN ISO 140-3 (1993) und
ISO/DIS 717-1 (1993), DIN 52210:

R_W = 42 dB (bei Füllelementwert mind. R_W = 42 dB)

Gutachtliche Stellungnahme vom
13.9.1996 der EMPA, Dübendorf/CH

Luftschalldämmung F90
nach EN ISO 140-3 (1993) und
ISO/DIS 717-1 (1993), DIN 52210:

R_W (C;C_{tr}) = 44 (-1;-4) dB
R_W (C;C_{tr}) = 46 (-2;-5) dB
R_W (C;C_{tr}) = 47 (-1;-5) dB

Prüfbericht 161 28310/1.0.0
vom 30. 6. 2004

CWCT-Test

Luftdurchlässigkeit: Druck 600 Pa	PASS
Wasserdichtheit statisch:	
Druck 600 Pa	PASS
Wasserdichtheit dynamisch	PASS
Windlast:	
Sicherheit 3600 Pa	PASS
Gebrauchstauglichkeit 2400 Pa	PASS
Schlauchtest	PASS

Certificate Number 04/32, January 2004
Centre for Window and Cladding
Technology, Wintech Engineering Ltd.,
GB-Telford

VISS Fire TV

Norme de produit façade rideau
EN 13830

Perméabilité à l'air (EN 12152)	AE
Etanchéité à la pluie battante (EN 12154)	RE 1200
Résistance à la charge du vent (EN 13116)	
Charge admissible	2000 pa
Charge élevée	3000 Pa
Résistance aux chocs (EN 14019)	I5/E5

Rapport d'essai 108 28793,
expertise 155 28793 et rapport de
classification 100 28793,
ift DE-Rosenheim

Isolement contre les sons aériens
selon EN ISO 140-3 (1993) et
ISO/DIS 717-1 (1993), DIN 52210:

R_W = 42 dB (avec valeur du remplissage min. R_W = 42 dB)

Expertise de l'EMPA Dübendorf/CH
du 13.9.1996

Isolement contre les sons aériens F90
selon EN ISO 140-3 (1993) et
ISO/DIS 717-1 (1993), DIN 52210:

R_W (C;C_{tr}) = 44 (-1;-4) dB
R_W (C;C_{tr}) = 46 (-2;-5) dB
R_W (C;C_{tr}) = 47 (-1;-5) dB

Rapport d'essai 161 28310/1.0.0
du 30. 6. 2004

CWCT-Test

Perméabilité à l'air: Pression 600 Pa	PASS
Etanchéité à l'eau statique:	
Pression 600 Pa	PASS
Etanchéité à l'eau dynamique:	PASS
Résistance au vent:	
Sécurité 3600 Pa	PASS
Aptitude à l'usage 2400 Pa	PASS
Essai au tuyau	PASS

Certificate Number 04/32, January 2004
Centre for Window and Cladding
Technology, Wintech Engineering Ltd.,
GB-Telford

VISS Fire TV

Product approval curtain walls
EN 13830

Air permeability (EN 12152)	AE
Resistance to driving rain (EN 12154)	RE 1200
Resistance to wind loads (EN 13116)	
Permissible load	2000 Pa
Increased load	3000 Pa
Impact streng (EN 14019)	I5/E5

Test report 108 28793,
appraisal report 155 28793 and
classification report 100 28793
ift DE-Rosenheim

Insulation against airborne noise
according to EN ISO 140-3 (1993)
and ISO/DIS 717-1 (1993), DIN 52210:

R_W = 42 dB (with glass/infill panel min. R_W = 42 dB)

Expertise dated 13.9.1996 by
EMPA Dübendorf/CH

Insulation against airborne noise F90
according to EN ISO 140-3 (1993)
and ISO/DIS 717-1 (1993), DIN 52210:

R_W (C;C_{tr}) = 44 (-1;-4) dB
R_W (C;C_{tr}) = 46 (-2;-5) dB
R_W (C;C_{tr}) = 47 (-1;-5) dB

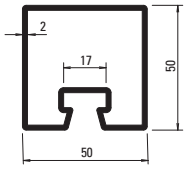
Test report 161 28310/1.0.0
dated 30. 6. 2004

CWCT-Test

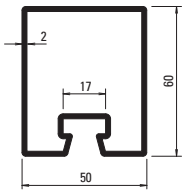
Air permeability: Pressure 600 Pa	PASS
Watertightness static:	
Pressure 600 Pa	PASS
Watertightness dynamic:	PASS
Wind resistance:	
Safety 3600 Pa	PASS
Serviceability 2400 Pa	PASS
Hose test	PASS

Certificate Number 04/32, January 2004
Centre for Window and Cladding
Technology, Wintech Engineering Ltd.,
GB-Telford

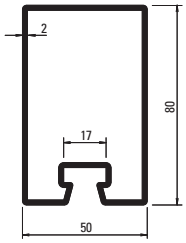
Martin Braun Backmittel KG, Hannover/D (Architekt: Ackermann + Raff, Tübingen/D)



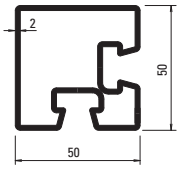
76.694
76.694 Z



76.671
76.671 Z



76.696
76.696 Z



76.094
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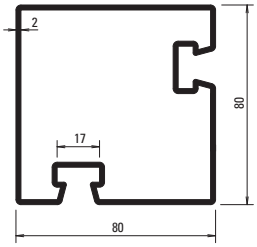

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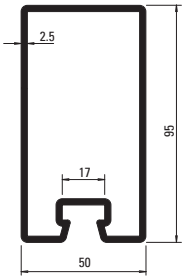
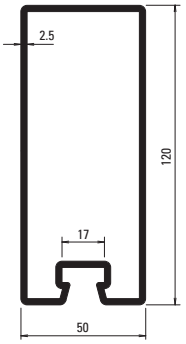
76.096 GV+GC



76.697
76.697 Z



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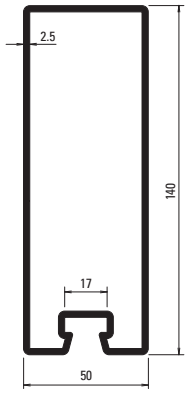
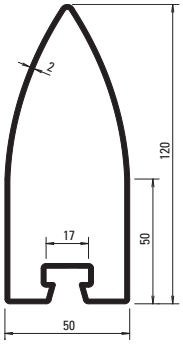
76.679 Z



76.666
76.666 Z



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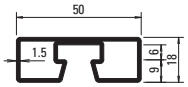

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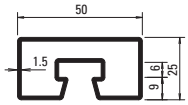

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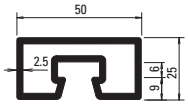
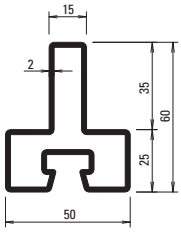
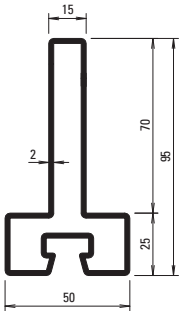
76.682 GV+GC



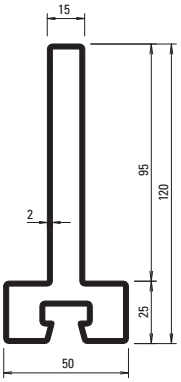
76.680
76.680 GV+GC



76.114
76.114 GV+GC



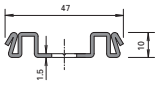
76.115
76.115 GV+GC



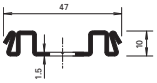
76.116
76.116 GV+GC

Profil-Nr.	G kg/m	F cm²	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/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
76.105	5,190	6,62	97,55	13,62	22,71	9,08	0,338
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

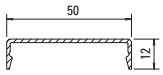
Profil-Nr.	G kg/m	F cm²	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
76.679	7,120	9,07	162,0	25,20	37,90	15,20	0,373
76.680	3,390	4,32	3,17	2,38	11,08	4,43	0,182
76.682	2,120	2,70	2,34	1,81	7,20	2,90	0,190
76.692	1,900	2,52	0,85	0,81	6,00	2,40	0,176
76.694	3,500	4,50	15,0	5,70	14,80	5,90	0,240
76.696	4,450	5,70	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



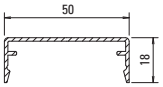
400.867



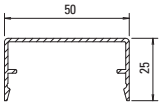
400.867 Z



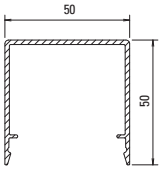
407.860



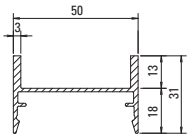
407.861



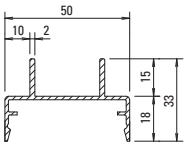
407.862



407.863

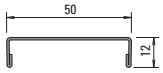


407.900



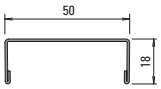
407.911

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

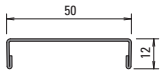


400.861

Stainless steel cover sections
Material 1.4301 (AISI 304)
polished, grain 220/240,
with protective film, length 6 m

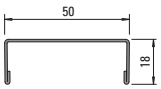
EDELSTAHL Rost frei INOX STAINLESS STEEL

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

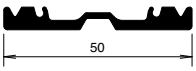
Profil-Nr.	G kg/m	U m^2/m	P m^2/m
407.860	0,266	0,147	0,072
407.861	0,341	0,185	0,084
407.862	0,394	0,213	0,098
407.863	0,660	0,313	0,148
407.900	0,556	0,240	0,138
407.911	0,510	0,245	0,146

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

Dichtungen
Klasse E30 / E60

Joints
Classe E30 / E60

Gaskets
Class E30 / E60



455.516

Innendichtung vertikal
schwer entflammbar, schwarz, 50 mm breit

Einsatz: Pfosten

VE = 50 m

455.516

Joint intérieur vertical
difficilement combustible, noir, largeur 50 mm

Utilisation: montant

UV = 50 m

455.516

Inner gasket vertical
flame retardant, black, 50 mm wide

Application: mullion

PU = 50 m

455.536

Innendichtung horizontal
schwer entflammbar, schwarz, 50 mm breit

Einsatz: Riegel

VE = 50 m

455.536

Joint intérieur horizontal
difficilement combustible, noir, largeur 50 mm

Utilisation: traverse

UV = 50 m

455.536

Inner gasket horizontal
flame retardant, black, 50 mm wide

Application: transom

PU = 50 m

455.508

Aussendichtung
schwer entflammbar, schwarz, für Anpressprofile 400.867 und 400.867 Z

Einsatz:
Pfosten/Riegel oben

VE = 100 m

455.508

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

Utilisation:
montant/traverse supérieur

UV = 100 m

455.508

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

Application:
mullion/transom top

PU = 100 m

455.509

Aussendichtung
schwer entflammbar, schwarz, für Anpressprofile 400.867 und 400.867 Z

Einsatz: Riegel unten

VE = 50 m

455.509

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

Utilisation: traverse inférieur

UV = 50 m

455.509

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

Application: transom bottom

PU = 50 m

Dichtungen Klasse EI30 / EI60 / EI90

Joints Classe EI30 / EI60 / EI90

Gaskets Class EI30 / EI60 / EI90

455.513

Innendichtung vertikal
EPDM schwarz, 50 mm breit

Einsatz: Pfosten

VE = 50 m

455.513

Joint intérieur vertical
EPDM noir, largeur 50 mm

Utilisation: montant

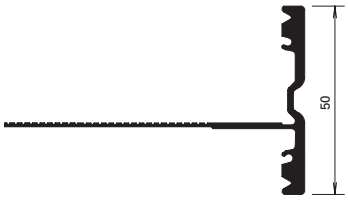
UV = 50 m

455.513

Inner gasket, vertical
EPDM black, 50 mm wide

Application: mullion

PU = 50 m



455.555

Innendichtung horizontal
EPDM schwarz, 50 mm breit

Einsatz: Riegel

VE = 50 m

455.555

Joint intérieur horizontal
EPDM noir, largeur 50 mm

Utilisation: traverse

VE = 50 m

455.555

Inner gasket, horizontal
EPDM black, 50 mm wide,

Application: transom

VE = 50 m

455.520

Aussendichtung
EPDM schwarz, für Anpressprofile 400.867 und 400.867 Z

Einsatz:
Pfosten/Riegel oben

VE = 100 m

455.520

Joint extérieur
EPDM noir, pour profilés de fixation 400.867 et 400.867 Z

Utilisation:
montant/traverse supérieur

UV = 100 m

455.520

Outer gasket
EPDM black, for clamping sections 400.867 and 400.867 Z

Application:
mullion/transom top

PU = 100 m

455.521

Aussendichtung
EPDM schwarz, für Anpress-profile 400.867 und 400.867 Z

Einsatz: Riegel unten

VE = 50 m

455.521

Joint extérieur
EPDM noir, pour profilés de fixation 400.867 et 400.867 Z

Utilisation: traverse inférieur

UV = 50 m

455.521

Outer gasket
EPDM black, for clamping sections 400.867 and 400.867 Z

Application: transom bottom

PU = 50 m

450.092

Kleb- und Dichtmasse
schwarz, für das Abdichten der Dichtungs-Stösse und -Durchbrüche

VE = 1 Kartusche 290 ml

Wichtig:
Ohne Vorbehandlung mit Reiniger 450.091 ist die Klebe-haftung nicht gewährleistet.

450.092

Pâte à coller et à étancher
noire, pour étancher les raccordements et les points de raccords des joints intérieurs

UV = 1 cartouche 290 ml

Important:
Sans traitement préliminaire avec un nettoyant 450.091, l'adhésion n'est pas garantie.

450.092

Sealing and bonding compound
black, for sealing the joints and holes in the weatherstrip

PU = 1 cartridge 290 ml

Important:
Adhesion cannot be guaranteed unless cleaner 450.091 has been used as a pre-treatment.

Artikel in Abhängigkeit der Füllelementstärken

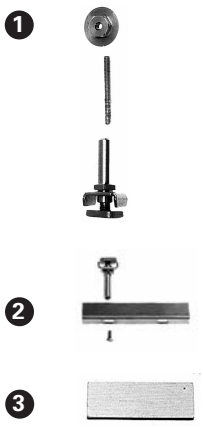
Articles en fonction de l'éléments de remplissage

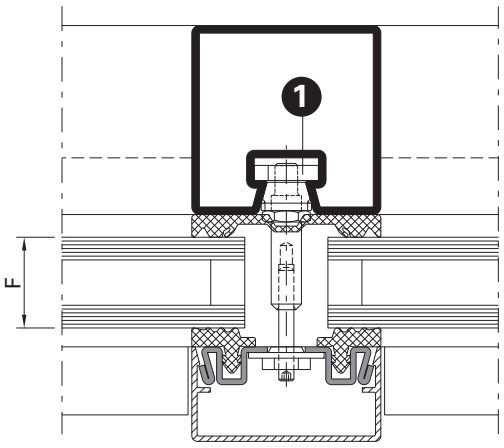
Items depending on thickness of infill elements

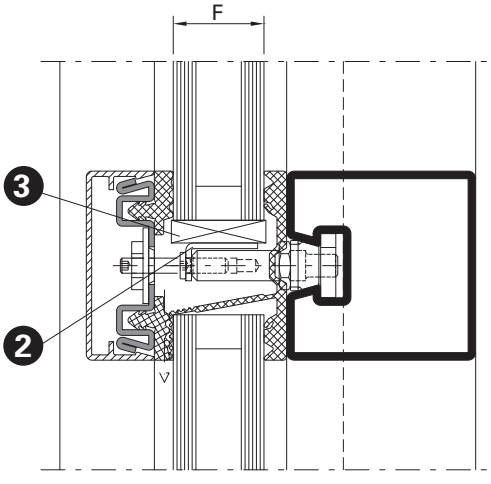
F mm	Brandschutzanker ❶ Boulon d'ancrage Fire-proof anchor	Glasauflage ❷ Support de verre Glaszing support	Tragklotz ❸ Cale pour remplissage Glazing support
05 – 09	452.474	452.491	453.028 (453.070)
10 – 11	452.430	452.439	453.070
12 – 14	452.481	452.455	453.070
15	452.431	452.483	453.070
16 – 19	452.482	452.483	453.027 (453.070)
20 – 21	452.453	452.454	453.016 (453.070)
22 – 25	452.472	452.488	453.026 (453.070)
26 – 27	452.475	452.492	453.029 (453.070)
28 – 31	452.476	452.484	453.030 (453.070)
32 – 34	452.477	452.485	453.031 (453.070)
35 – 37	452.478	452.486	453.032 (453.070)
38 – 40	452.479	452.487	453.033 (453.070)
41 – 43	452.448	452.449	453.034 (453.070)
44 – 46	452.441	452.456	453.070
47 – 49	452.442	452.457	453.070
50 – 53	452.443	452.458	453.070
54 – 57	452.446	452.447	453.072 (453.070)
58 – 61	452.444	Stahlflach*	453.072 (453.070)
62 – 66	452.427	Stahlflach*	453.070
67 – 70	452.428	Stahlflach*	453.070

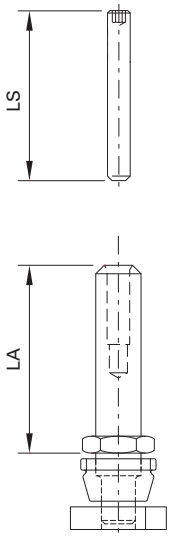
( ) **optional auch möglich**
( ) **aussi possible en option**
( ) **optional also possible**

* **Stahlflach**
* **Fer plat**
* **Flat steel**









452.474	LA = 12 mm LS = 25 mm	**452.474**	LA = 12 mm LS = 25 mm	**452.474**	LA = 12 mm LS = 25 mm
452.430	LA = 14 mm LS = 25 mm	**452.430**	LA = 14 mm LS = 25 mm	**452.430**	LA = 14 mm LS = 25 mm
452.481	LA = 17 mm LS = 25 mm	**452.481**	LA = 17 mm LS = 25 mm	**452.481**	LA = 17 mm LS = 25 mm
452.482	LA = 20 mm LS = 30 mm	**452.482**	LA = 20 mm LS = 30 mm	**452.482**	LA = 20 mm LS = 30 mm
452.431	LA = 20 mm LS = 25 mm	**452.431**	LA = 20 mm LS = 25 mm	**452.431**	LA = 20 mm LS = 25 mm
452.453	LA = 24 mm LS = 30 mm	**452.453**	LA = 24 mm LS = 30 mm	**452.453**	LA = 24 mm LS = 30 mm
452.472	LA = 26 mm LS = 30 mm	**452.472**	LA = 26 mm LS = 30 mm	**452.472**	LA = 26 mm LS = 30 mm
452.475	LA = 30 mm LS = 30 mm	**452.475**	LA = 30 mm LS = 30 mm	**452.475**	LA = 30 mm LS = 30 mm
452.476	LA = 33 mm LS = 30 mm	**452.476**	LA = 33 mm LS = 30 mm	**452.476**	LA = 33 mm LS = 30 mm
452.477	LA = 36 mm LS = 30 mm	**452.477**	LA = 36 mm LS = 30 mm	**452.477**	LA = 36 mm LS = 30 mm
452.478	LA = 39 mm LS = 30 mm	**452.478**	LA = 39 mm LS = 30 mm	**452.478**	LA = 39 mm LS = 30 mm
452.479	LA = 42 mm LS = 30 mm	**452.479**	LA = 42 mm LS = 30 mm	**452.479**	LA = 42 mm LS = 30 mm
452.448	LA = 45 mm LS = 30 mm	**452.448**	LA = 45 mm LS = 30 mm	**452.448**	LA = 45 mm LS = 30 mm
452.441	LA = 48 mm LS = 30 mm	**452.441**	LA = 48 mm LS = 30 mm	**452.441**	LA = 48 mm LS = 30 mm
452.442	LA = 51 mm LS = 30 mm	**452.442**	LA = 51 mm LS = 30 mm	**452.442**	LA = 51 mm LS = 30 mm
452.443	LA = 54 mm LS = 30 mm	**452.443**	LA = 54 mm LS = 30 mm	**452.443**	LA = 54 mm LS = 30 mm
452.446	LA = 58 mm LS = 30 mm	**452.446**	LA = 58 mm LS = 30 mm	**452.446**	LA = 58 mm LS = 30 mm
452.444	LA = 61 mm LS = 30 mm	**452.444**	LA = 61 mm LS = 30 mm	**452.444**	LA = 61 mm LS = 30 mm
452.427	LA = 61 mm LS = 35 mm	**452.427**	LA = 61 mm LS = 35 mm	**452.427**	LA = 61 mm LS = 35 mm
452.428	LA = 61 mm LS = 40 mm	**452.428**	LA = 61 mm LS = 40 mm	**452.428**	LA = 61 mm LS = 40 mm

Brandschutzanker
Edelstahl, mit vormontiertem Keil und Nutenstein, Gewindestift M4, Zentriermutter M4

VE = 50 Stück

Einsatz:
Artikel in Abhängigkeit der Füllelementdicke
(siehe Seite 51-12)

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

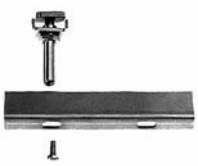
UV = 50 pièces

Utilisation:
Article en fonction de l'épaisseur de l'élément de remplissage
(voir page 51-12)

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 51-12)



452.491	L = 12 mm	**452.491**	L = 12 mm	**452.491**	L = 12 mm
452.439	L = 14 mm	**452.439**	L = 14 mm	**452.439**	L = 14 mm
452.455	L = 17 mm	**452.455**	L = 17 mm	**452.455**	L = 17 mm
452.483	L = 20 mm	**452.483**	L = 20 mm	**452.483**	L = 20 mm
452.454	L = 24 mm	**452.454**	L = 24 mm	**452.454**	L = 24 mm
452.488	L = 26 mm	**452.488**	L = 26 mm	**452.488**	L = 26 mm
452.492	L = 30 mm	**452.492**	L = 30 mm	**452.492**	L = 30 mm
452.484	L = 33 mm	**452.484**	L = 33 mm	**452.484**	L = 33 mm
452.485	L = 36 mm	**452.485**	L = 36 mm	**452.485**	L = 36 mm
452.486	L = 39 mm	**452.486**	L = 39 mm	**452.486**	L = 39 mm
452.487	L = 42 mm	**452.487**	L = 42 mm	**452.487**	L = 42 mm
452.449	L = 45 mm	**452.449**	L = 45 mm	**452.449**	L = 45 mm
452.456	L = 48 mm	**452.456**	L = 48 mm	**452.456**	L = 48 mm
452.457	L = 51 mm	**452.457**	L = 51 mm	**452.457**	L = 51 mm
452.458	L = 54 mm	**452.458**	L = 54 mm	**452.458**	L = 54 mm
452.447	L = 58 mm	**452.447**	L = 58 mm	**452.447**	L = 58 mm

Glasauflage
Edelstahl, mit Brandschutzanker und Befestigungsschraube M4x10, Auflagewinkel mit Klebefolie für Montage Glasklotz

VE = 20 Stück

Einsatz:
Artikel in Abhängigkeit der Füllelementdicke
(siehe Seiten 51-12)

Support de verre
acier Inox, avec boulon d'ancrage anti-incendie et vis de fixation M4x10, cornière d'appui avec bande adhésive pour montage cale de verre

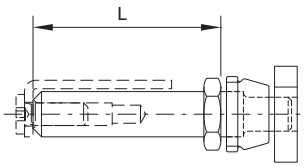
UV = 20 pièces

Utilisation:
Article en fonction de l'épaisseur de l'élément de remplissage
(voir pages 51-12)

Glazing support
stainless steel, with fire-proofing anchor and fastening screw M4x10, angle support with adhesive foil for installation glazing bridge

PU = 20 pieces

Application:
Article depending on thickness of infill panels
(see pages 51-12)



453.016	23 x 6 mm
453.026	25 x 6 mm
453.027	19 x 6 mm
453.028	8 x 6 mm
453.029	29 x 6 mm
453.030	32 x 6 mm
453.031	35 x 6 mm
453.032	38 x 6 mm
453.033	41 x 6 mm
453.034	44 x 6 mm
453.072	57 x 6 mm

Glasklotz
Promatect-H, Länge 80 mm, imprägniert

VE = 20 Stück

Einsatz:
Artikel in Abhängigkeit der Füllelementdicke
(siehe Seiten 51-12)

453.016	23 x 6 mm
453.026	25 x 6 mm
453.027	19 x 6 mm
453.028	8 x 6 mm
453.029	29 x 6 mm
453.030	32 x 6 mm
453.031	35 x 6 mm
453.032	38 x 6 mm
453.033	41 x 6 mm
453.034	44 x 6 mm
453.072	57 x 6 mm

Cale de verre
Promatect-H, longueur 80 mm, imprégné

UV = 20 pièces

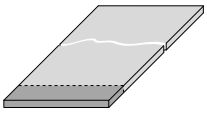
Utilisation:
Article en fonction de l'épaisseur de l'élément de remplissage
(voir pages 51-12)

453.016	23 x 6 mm
453.026	25 x 6 mm
453.027	19 x 6 mm
453.028	8 x 6 mm
453.029	29 x 6 mm
453.030	32 x 6 mm
453.031	35 x 6 mm
453.032	38 x 6 mm
453.033	41 x 6 mm
453.034	44 x 6 mm
453.072	57 x 6 mm

Glazing bridge
Promatect-H, length 80 mm, impregnated

PU = 20 pieces

Application:
Article depending on thickness of infill panels
(see pages 51-12)



453.070

Glasklotz
glasfaserverstärkter Kunststoff, 80 x 5 mm, Zuschnitt entsprechend Füllelementstärke durch Metallbauer

VE = 1 Stück à 1000 mm

Einsatz:
Artikel in Abhängigkeit der Füllelementdicke
(siehe Seiten 51-12)

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

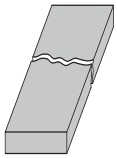
Utilisation:
Article en fonction de l'épaisseur de l'élément de remplissage
(voir pages 51-12)

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 pages 51-12)



451.081

Brandschutzlaminat
selbstklebend, 7,2 x 1,8 mm

VE = 50 Stück à 1075 mm

Einsatz:
Anpressprofil Pfosten und 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 montant et traverse

451.081

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

PU = 50 pieces, 1075 mm each

Application:
Clamping section mullion and transom

451.080

Brandschutzlaminat
selbstklebend, 14,4 x 1,8 mm

VE = 1 Rolle à 25 m

Einsatz:
Im Glasfalz-Bereich bei EI90-Verglasungen

451.080

Bande de protection-incendie
auto-adhésive, 14,4 x 1,8 mm

UV = 1 rouleau à 25 m

Utilisation:
Dans la feuillure à verre pour les vitrages EI90

451.080

Fire protection laminate
auto-adhésive, 14,4 x 1,8 mm

PU = 1 roll, 25 m each

Application:
In glazing rebate area for EI90 glazing

536.005	VISS-TV G30 DIBt Z-19.14-590	
536.007	VISS G30 DIBt Z-19.14-1214	
536.008	VISS G60 DIBt Z-19.14-1216	
536.021	VISS-TV F30 DIBt Z-19.14-1592	
536.022	VISS-TV F90 DIBt Z-19.14-1730	

Kennzeichen-Schild DE
inkl. Übereinstimmungs-bestätigung

VE = 1 Stück

536.005	VISS-TV G30 DIBt Z-19.14-590	
536.007	VISS G30 DIBt Z-19.14-1214	
536.008	VISS G60 DIBt Z-19.14-1216	
536.021	VISS-TV F30 DIBt Z-19.14-1592	
536.022	VISS-TV F90 DIBt Z-19.14-1730	

Plaque signalétique DE
avec confirmation de compatibilité

UV = 1 pièce

536.005	VISS-TV G30 DIBt Z-19.14-590	
536.007	VISS G30 DIBt Z-19.14-1214	
536.008	VISS G60 DIBt Z-19.14-1216	
536.021	VISS-TV F30 DIBt Z-19.14-1592	
536.022	VISS-TV F90 DIBt Z-19.14-1730	

Identification plate DE
including declaration of conformity

PU = 1 piece

499.006

2 mm Sechskant-Bit
zum Eindrehen der M4-Gewindestifte der Brandschutzanker

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

499.254

TV-Werkzeugset

VE = 1 Steckschlüssel SW 11
1 Positionierhilfe 25 mm
1 Positionierhilfe 32 mm

499.254

Jeu d'outils TV

UV = 1 clé à pipe SW 11
1 aide de réglage 25 mm
1 aide de réglage 32 mm

499.254

TV tool kit

PU = 1 box spanner size 11
1 positioning aid 25 mm
1 positioning aid 32 mm

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

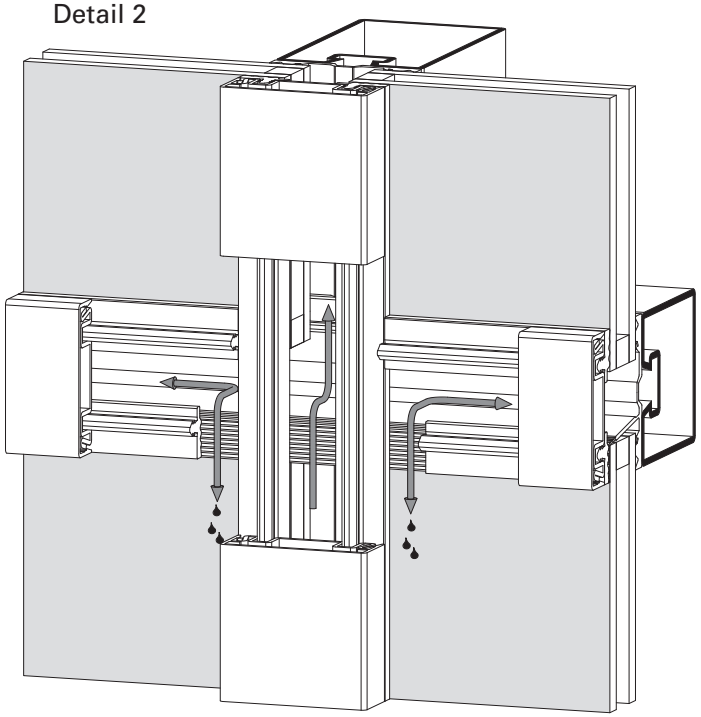
System-Hinweise	Remarques concernant les systèmes	System instructions	
Glasfalz-Belüftung / Glasfalz-Entwässerung	Ventilation de feuillure de verre / Drainage de la feuillure à verre	Glazing rebate ventilation / Glazing rebate drainage	**20**
U_f-Werte nach EN 10077-2	Valeurs U_f selon EN 10077-2	U_f values according to EN 10077-2	**22**
Schnittpunkte E30 / E60	**Coupe de détails E30 / E60**	**Section details E30 / E60**	**24**
Konstruktions-Details E30 / E60	**Détails de construction E30 / E60**	**Constructions details E30 / E60**	**27**
Anschlüsse am Bau E30 / E60	**Raccordement au mur E30 / E60**	**Attachment to structure E30 / E60**	**34**
Schnittpunkte EI30 / EI60 / EI90	**Schnittpunkte EI30 / EI60 / EI90**	**Schnittpunkte EI30 / EI60 / EI90**	**46**
Konstruktions-Details EI30 / EI60 / EI90	**Détails de construction EI30 / EI60 / EI90**	**Constructions details EI30 / EI60 / EI90**	**55**
Anschlüsse am Bau EI30 / EI60 / EI90	**Raccordement au mur EI30 / EI60 / EI90**	**Attachment to structure EI30 / EI60 / EI90**	**63**
Verarbeitungs-Hinweise	**Indications d'usinage**	**Assembly instructions**	**73**

Glasfalz-Belüftung / Glasfalz-Entwässerung

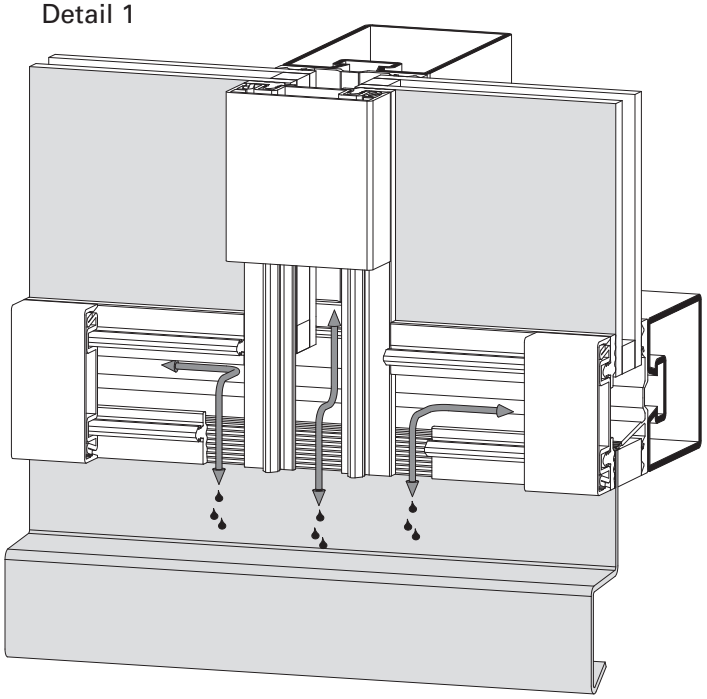
Ventilation de feuillure de verre / Drainage de la feuillure à verre

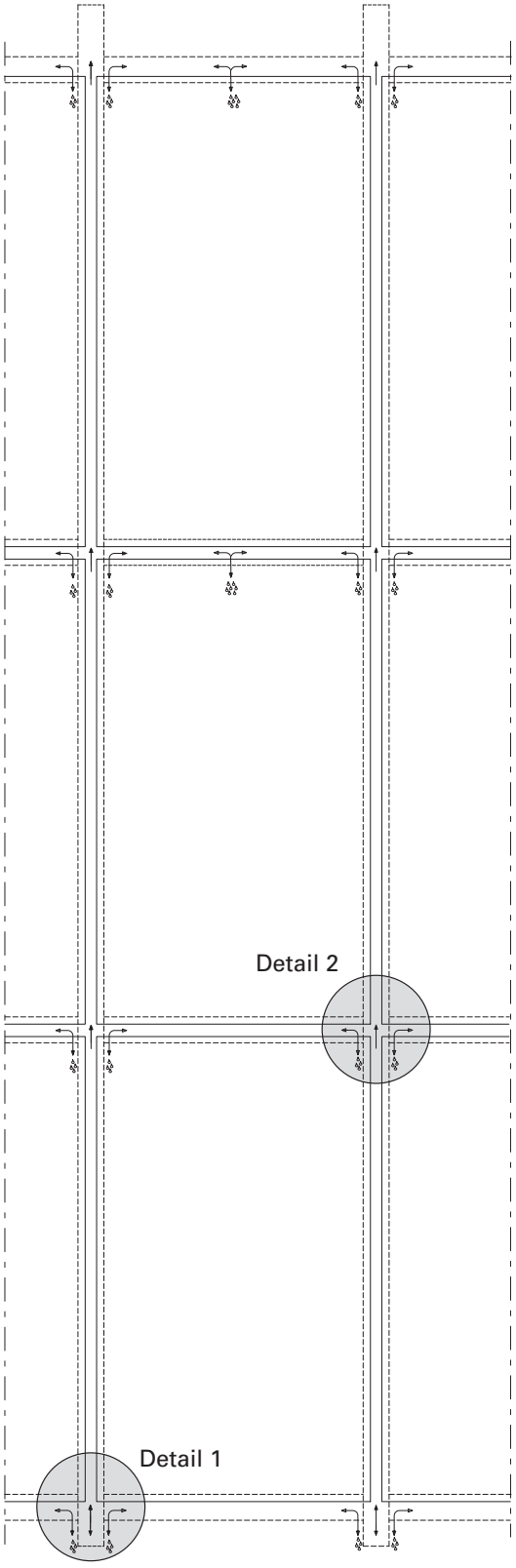
Glazing rebate ventilation / Glazing rebate drainage

Detail 2



Detail 1



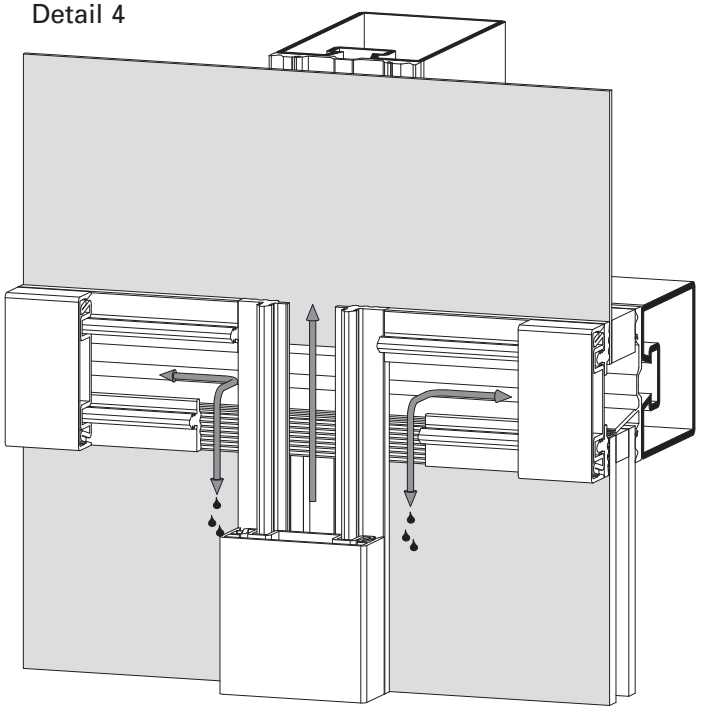


**Glasfalz-Belüftung /
Glasfalz-Entwässerung**

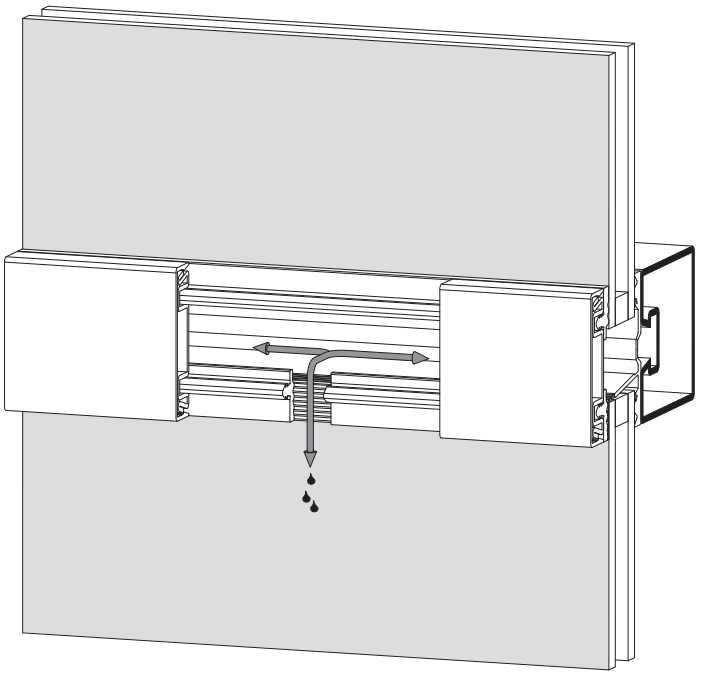
**Ventilation de feuillure de verre /
Drainage de la feuillure à verre**

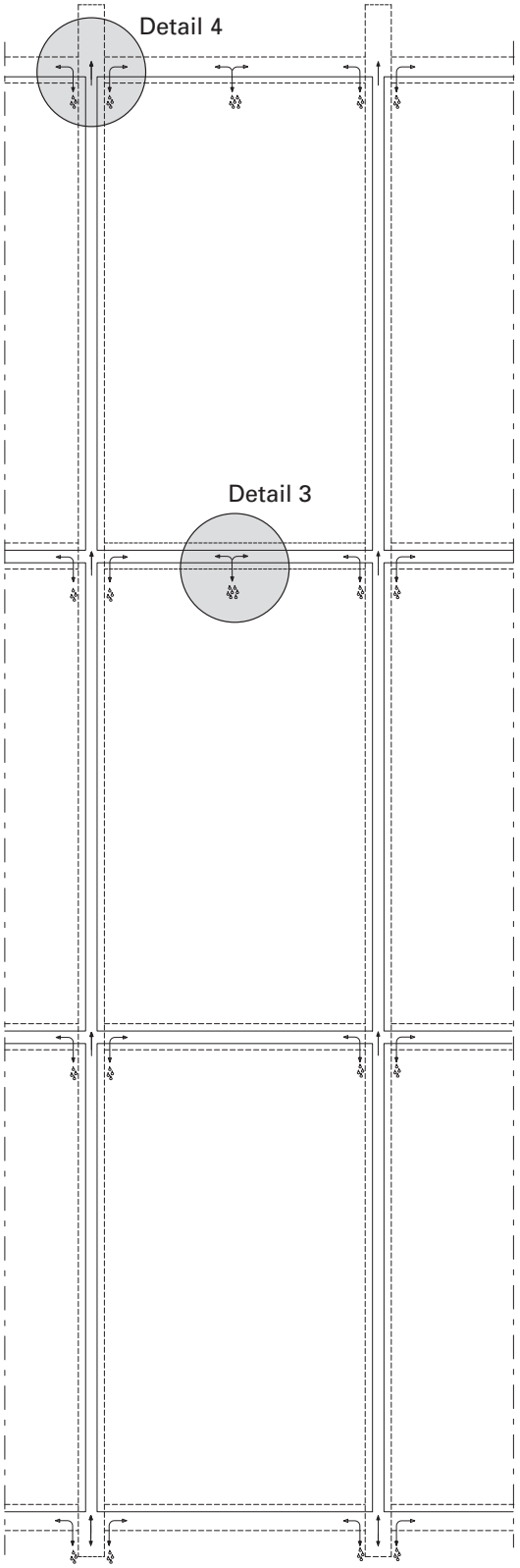
**Glazing rebate ventilation /
Glazing rebate drainage**

Detail 4



Detail 3

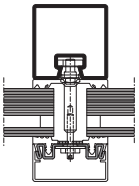
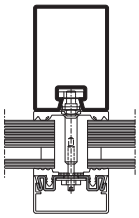
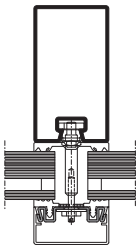
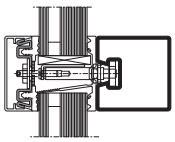
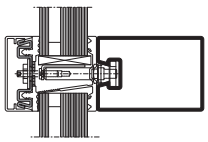
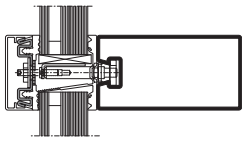




U_f-Werte nach EN 10077-2
VISS Fire TV

Valeurs U_f selon EN 10077-2
VISS Fire TV

U_f values according to 10077-2
VISS Fire TV

Glas **Verre** **Glass**	 Pfosten 50/50 Montant 50/50 Mullion 50/50	 Pfosten 50/95 Montant 50/95 Mullion 50/95	 Pfosten 50/140 Montant 50/140 Mullion 50/140	 Riegel 50/50 Traverse 50/50 Transom 50/50	 Riegel 50/95 Traverse 50/95 Transom 50/95	 Riegel 50/140 Traverse 50/140 Transom 50/140
10 mm	**2,1 W/m²K**	**2,2 W/m²K**	**2,2 W/m²K**	**2,3 W/m²K**	**2,4 W/m²K**	**2,4 W/m²K**
15 mm	**1,9 W/m²K**	**2,0 W/m²K**	**2,0 W/m²K**	**2,0 W/m²K**	**2,1 W/m²K**	**2,2 W/m²K**
20 mm	**1,8 W/m²K**	**1,8 W/m²K**	**1,9 W/m²K**	**1,9 W/m²K**	**1,9 W/m²K**	**2,0 W/m²K**
25 mm	**1,7 W/m²K**	**1,7 W/m²K**	**1,8 W/m²K**	**1,8 W/m²K**	**1,9 W/m²K**	**1,9 W/m²K**
30 mm	**1,6 W/m²K**	**1,7 W/m²K**	**1,7 W/m²K**	**1,7 W/m²K**	**1,8 W/m²K**	**1,8 W/m²K**
35 mm	**1,6 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	**1,7 W/m²K**	**1,7 W/m²K**
40 mm	**1,5 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	**1,7 W/m²K**
45 mm	**1,5 W/m²K**	**1,5 W/m²K**	**1,5 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**
50 mm	**1,5 W/m²K**	**1,5 W/m²K**	**1,5 W/m²K**	**1,5 W/m²K**	**1,6 W/m²K**	**1,6 W/m²K**
55 mm	**1,5 W/m²K**	**1,5 W/m²K**	**1,5 W/m²K**	**1,4 W/m²K**	**1,4 W/m²K**	**1,6 W/m²K**
70 mm	**1,5 W/m²K**	**1,5 W/m²K**	**1,5 W/m²K**	**1,4 W/m²K**	**1,4 W/m²K**	**1,6 W/m²K**

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

Einbau mit Edelstahl-Anpressprofil und schwer entflammbaren Dichtungen.

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

Montage avec profilé de fixation en acier Inox et joints difficilement combustible.

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

Installation with stainless steel clamping section and flame retardant gaskets.

VISS Fire TV
Brandschutzverglasung
Klasse E

Hinweis:

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

VISS Fire TV
Vitrage pare-flammes
Classe E

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!

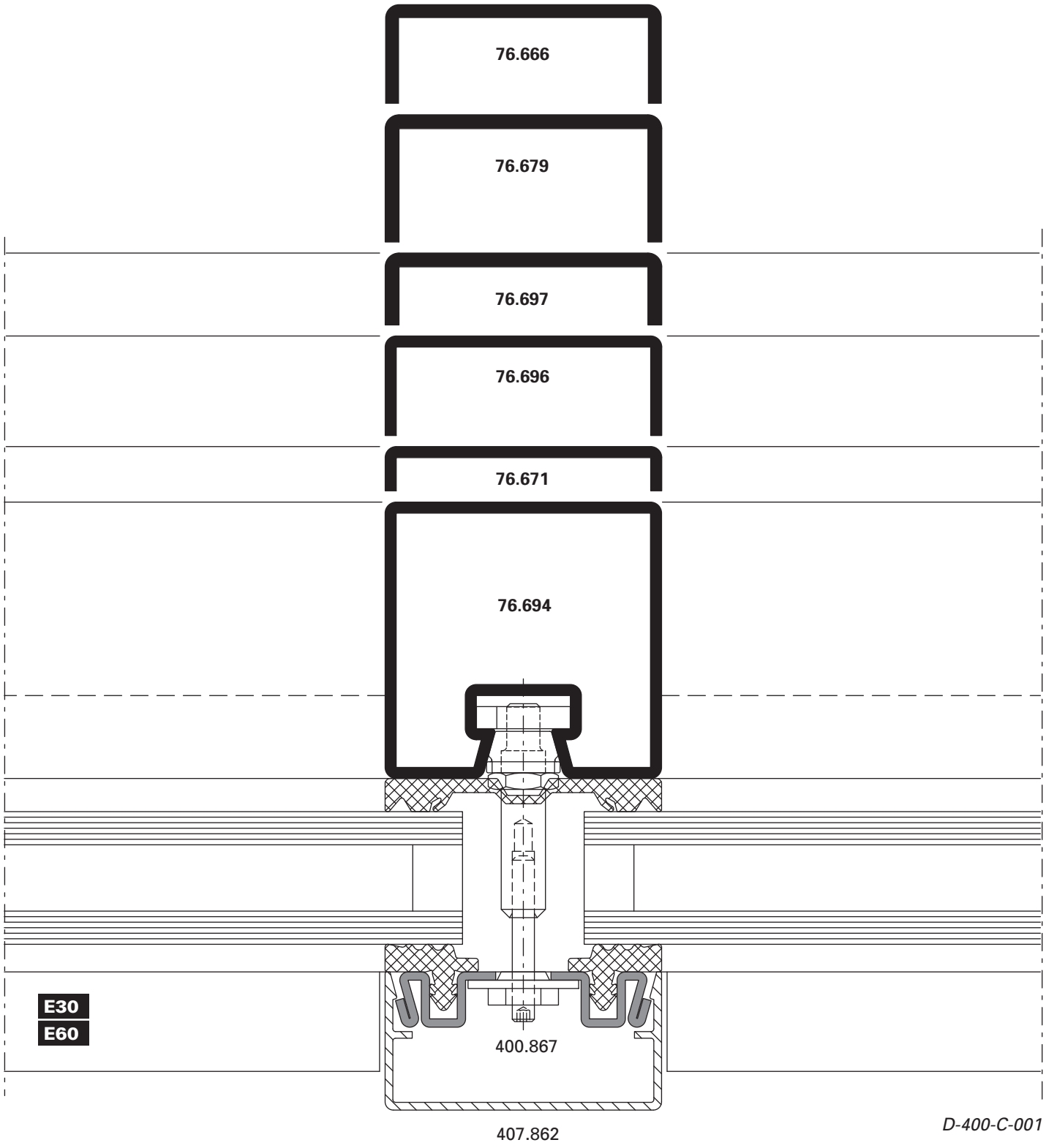
VISS Fire TV
Fire protection glazing
Class E

Note:

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

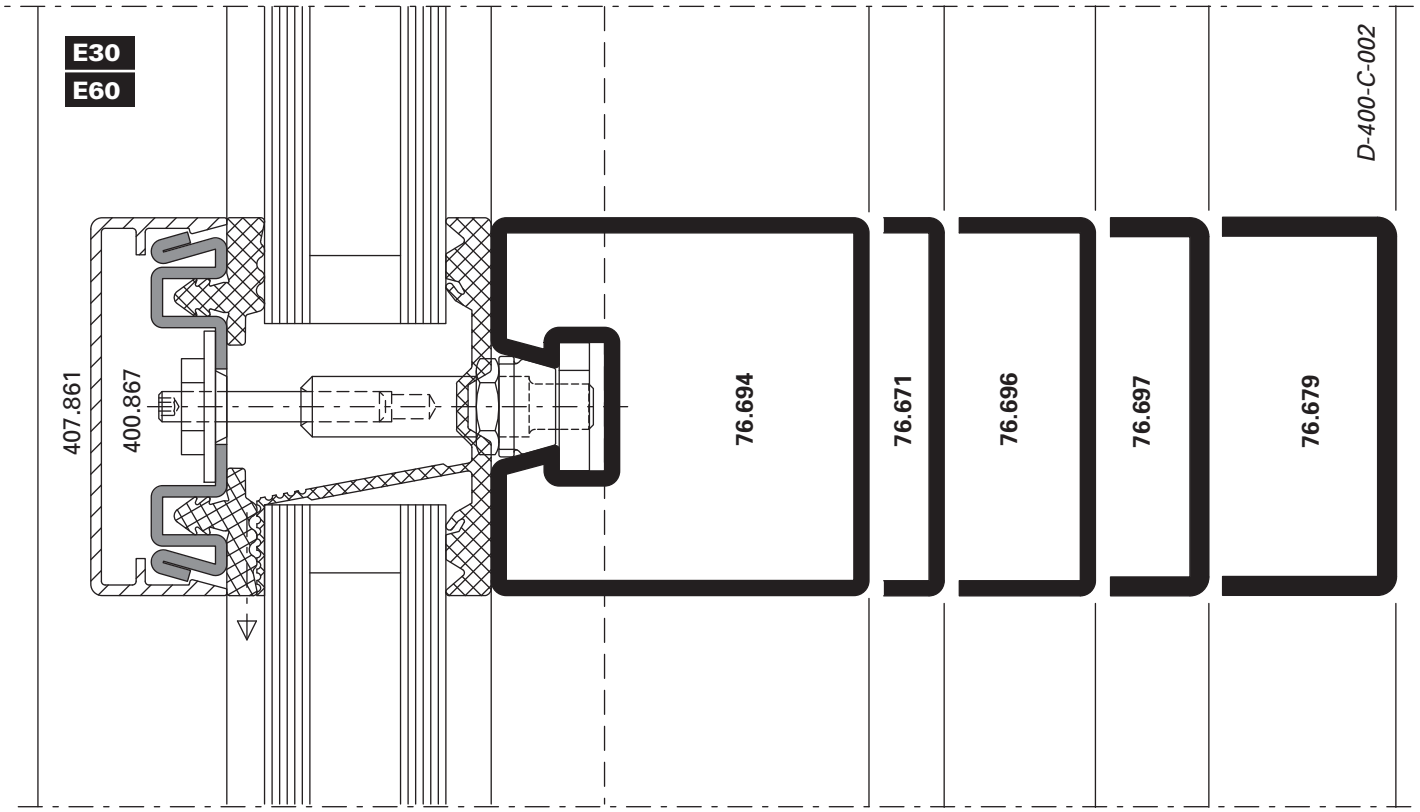
«The Brit Oval» Stadion des Surrey County Cricket Club, London/UK (Architekt: HOK SVE, London/UK)

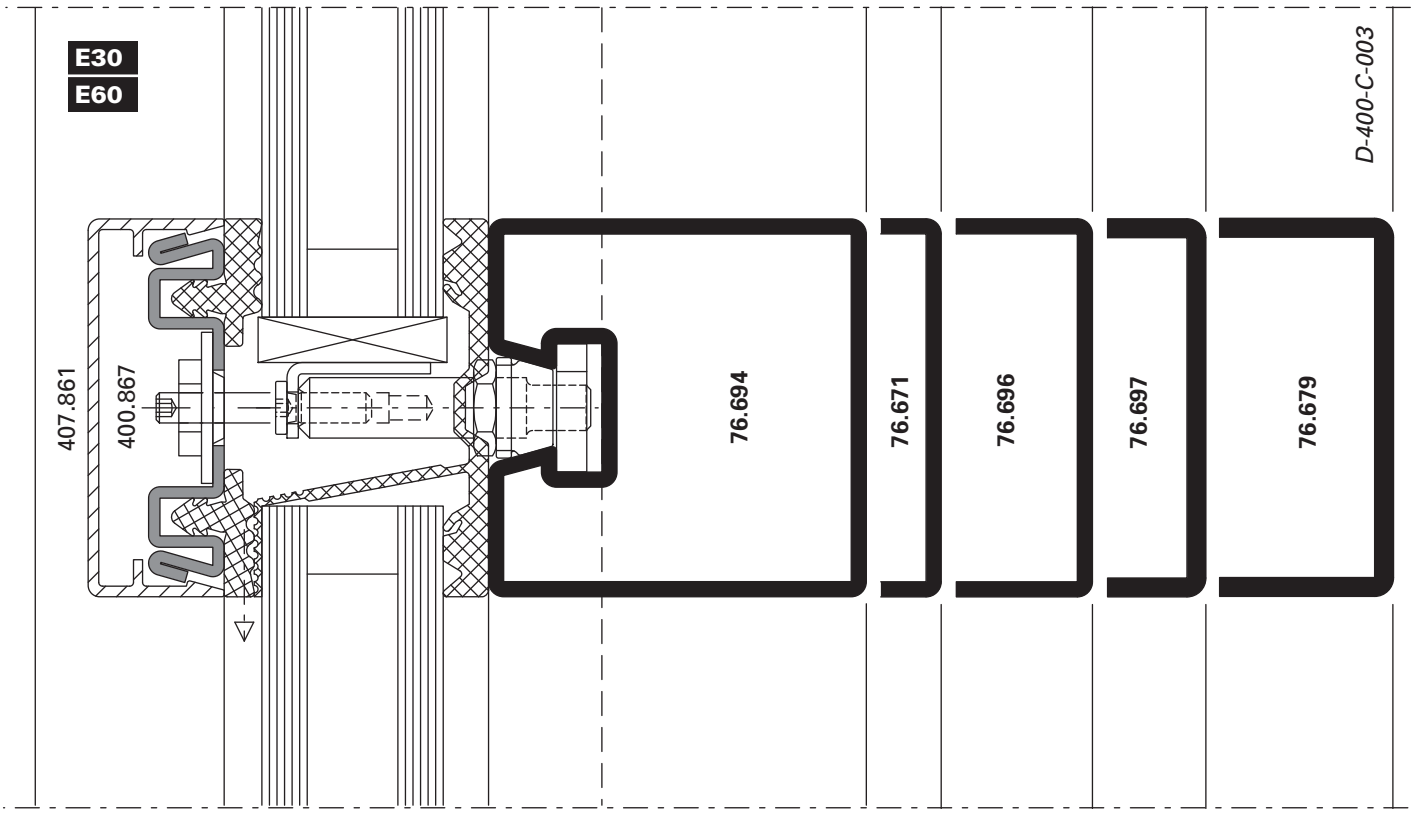
Pfosten-Detail **Détail du montant** **Detail of mullion**



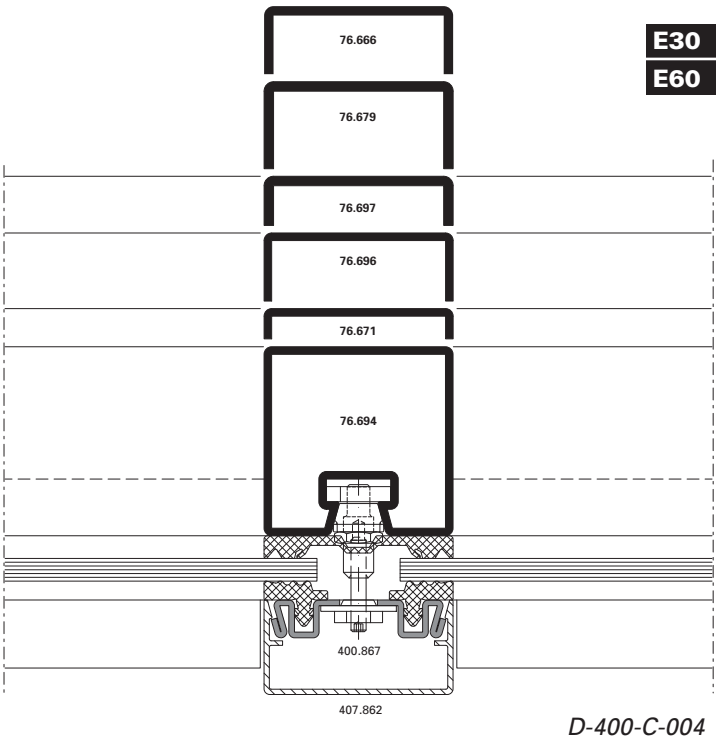
D-400-C-001

Riegel-Detail **Détail de la traverse** **Detail of transom**



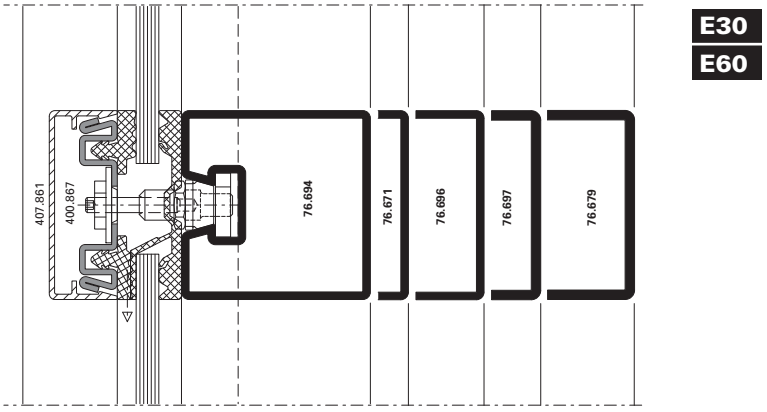


Pfosten-Detail **Détail du montant** **Detail of mullion**

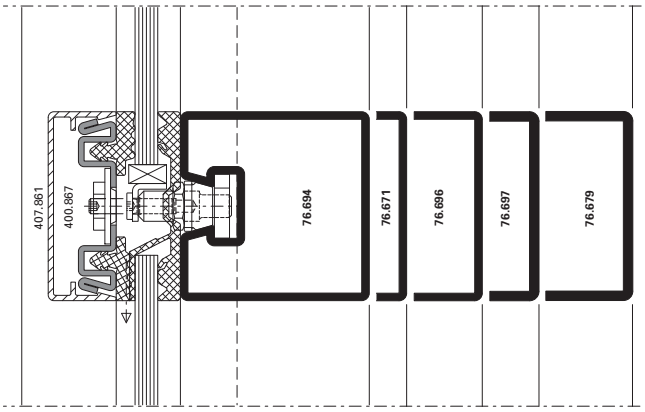


D-400-C-004

Riegel-Detail **Détail de la traverse** **Detail of transom**

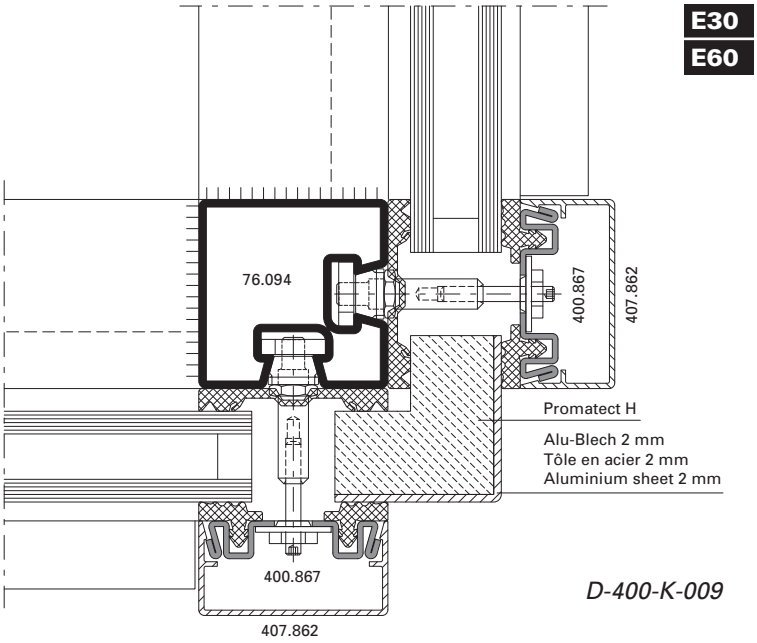


D-400-C-005

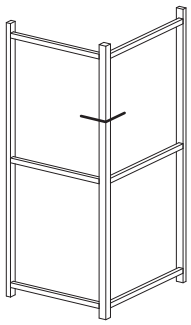


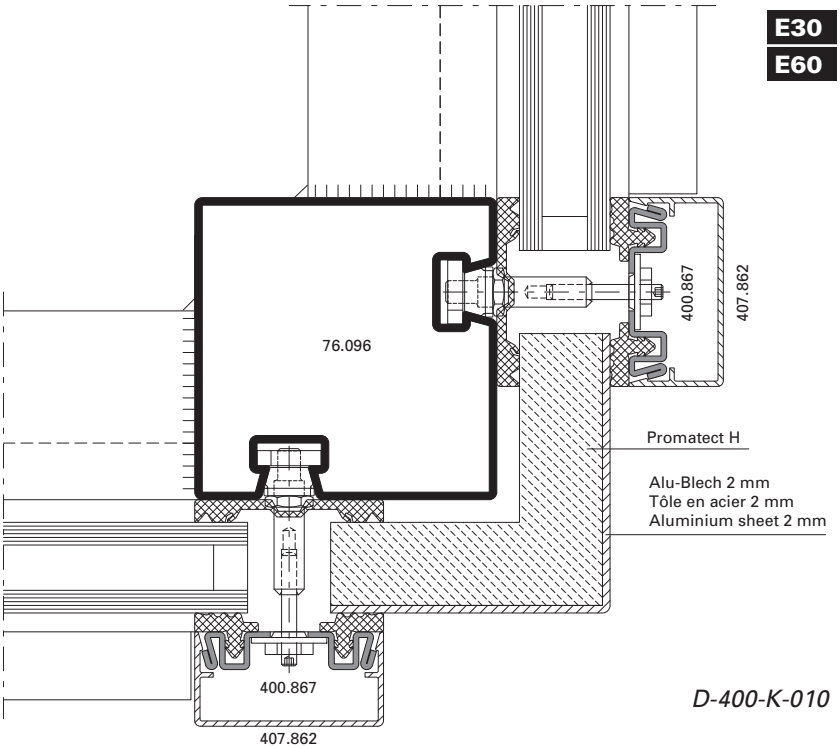
D-400-C-006

Eckausbildung 90° **Formation d'angle 90°** **90° corner construction**

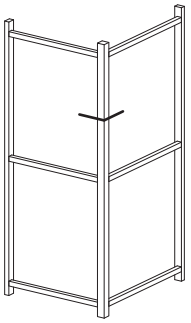


D-400-K-009

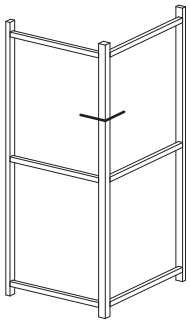


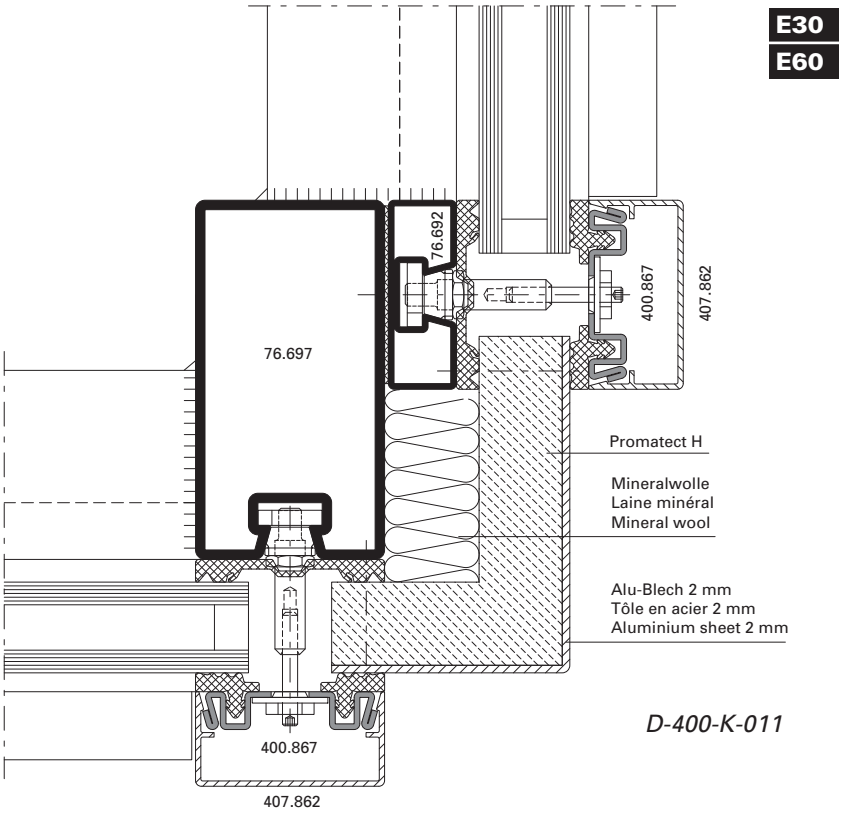


D-400-K-010

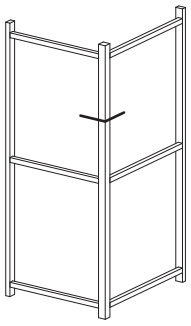


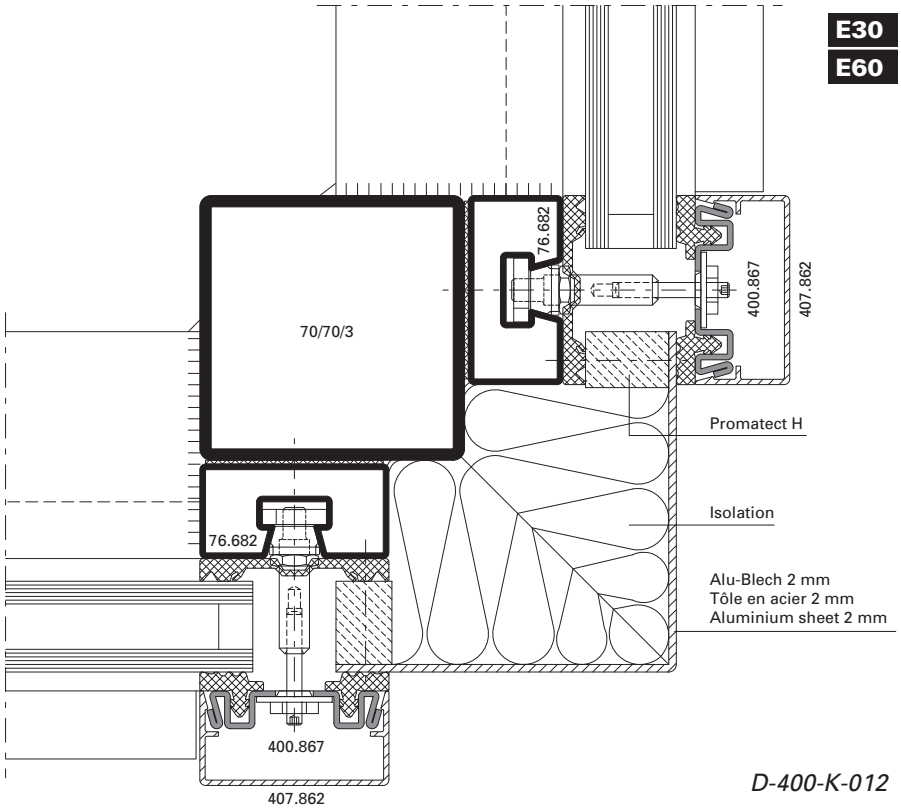
Eckausbildung 90° / Formation d'angle 90° / 90° corner construction





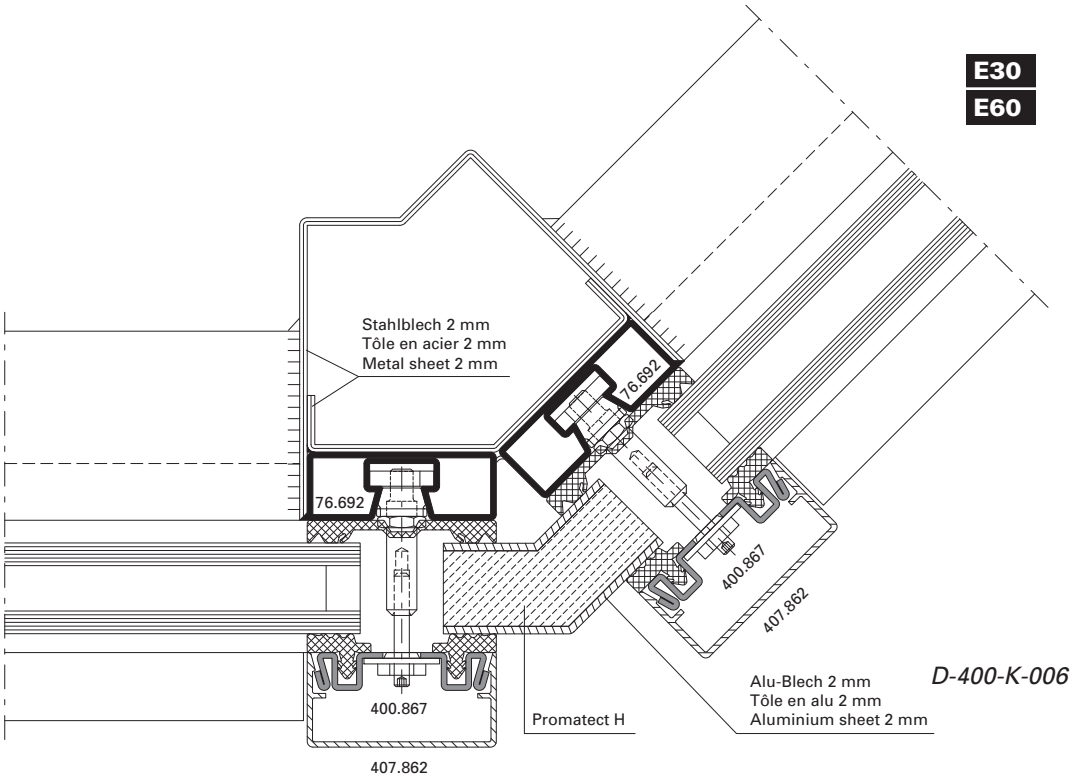
D-400-K-011



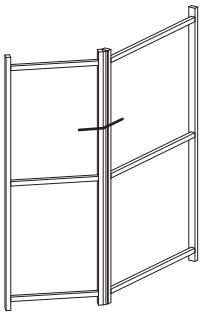


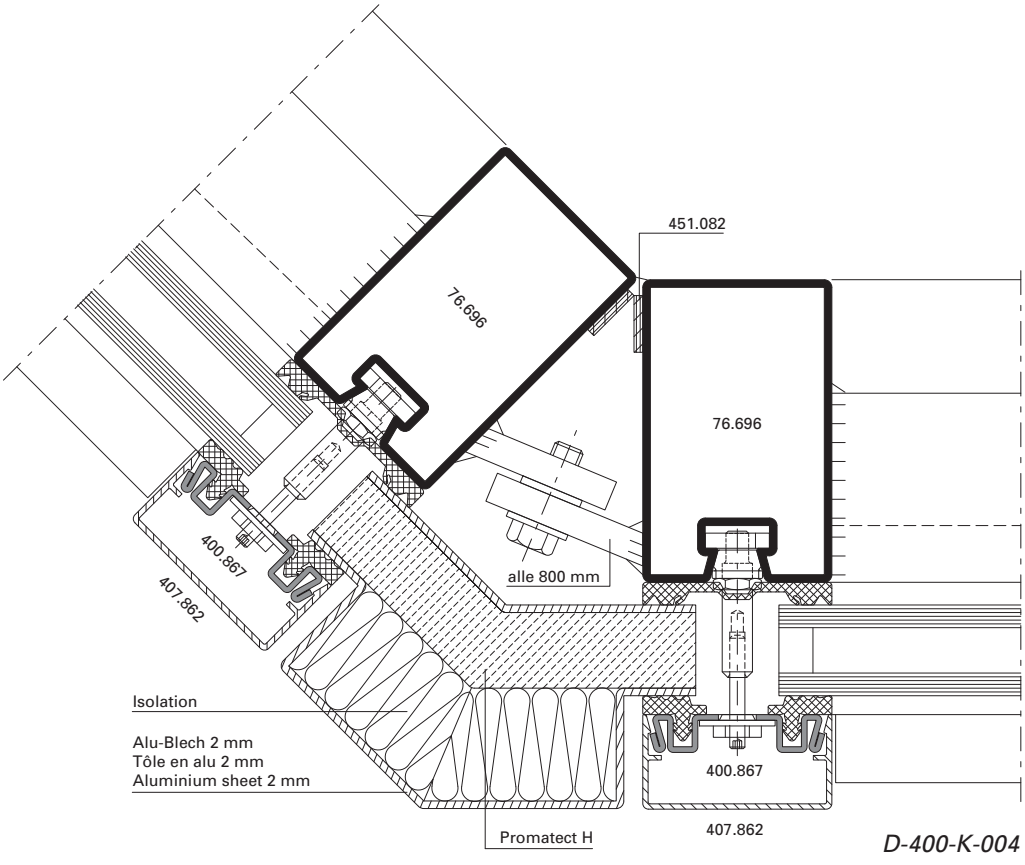
D-400-K-012

Aussenecke 135° **Angle extérieur 135°** **Outer corner 135°**



D-400-K-006





E30
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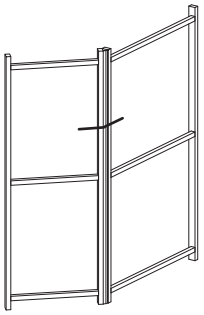
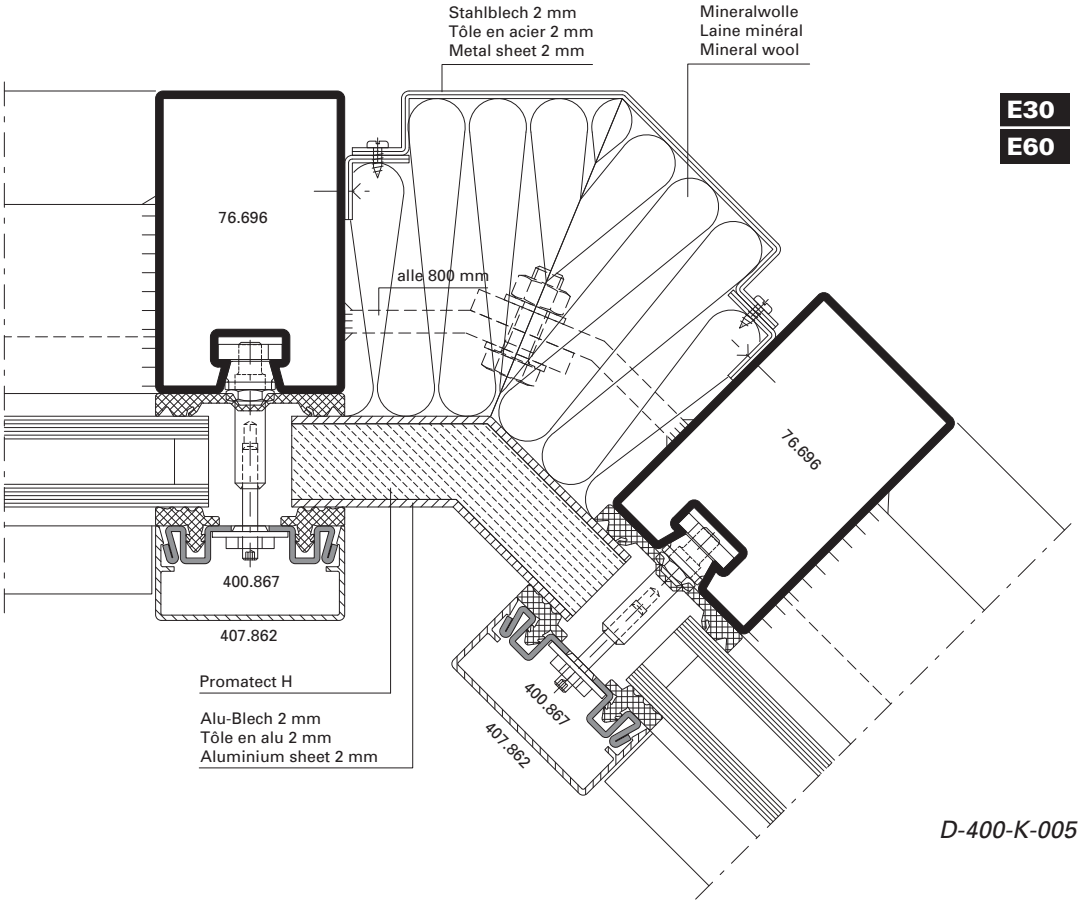
D-400-K-004



Innenecke 135° **Angle intérieur 135°** **Inner corner 135°**



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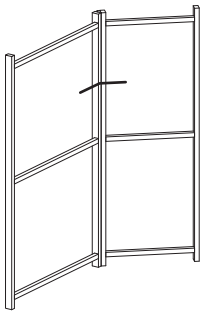
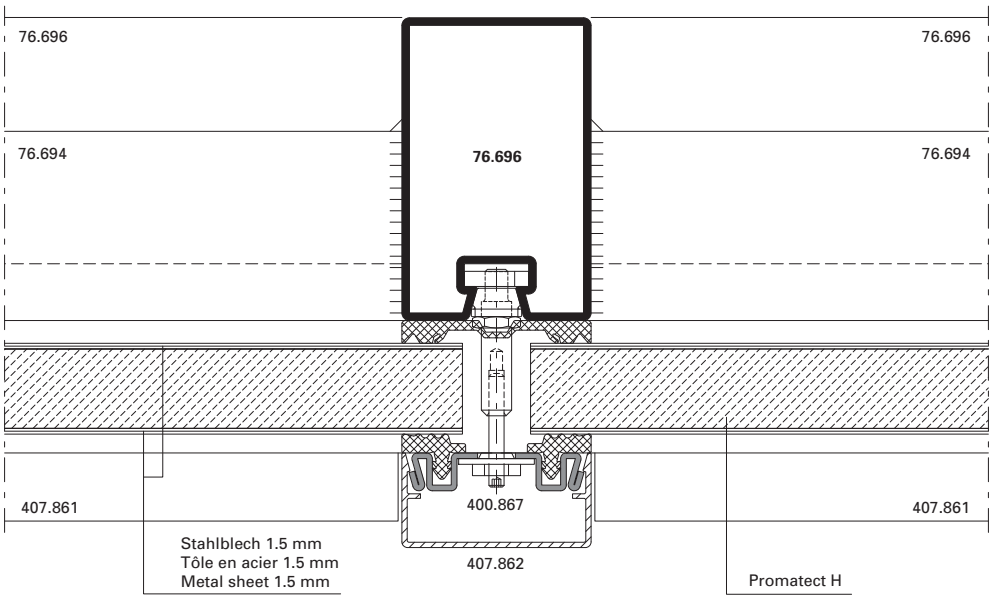


D-400-K-005

Paneel-Ausbildungen **Agencements de panneau** **Panel designs**



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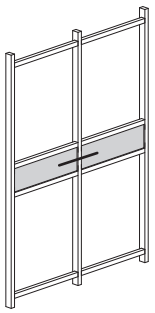

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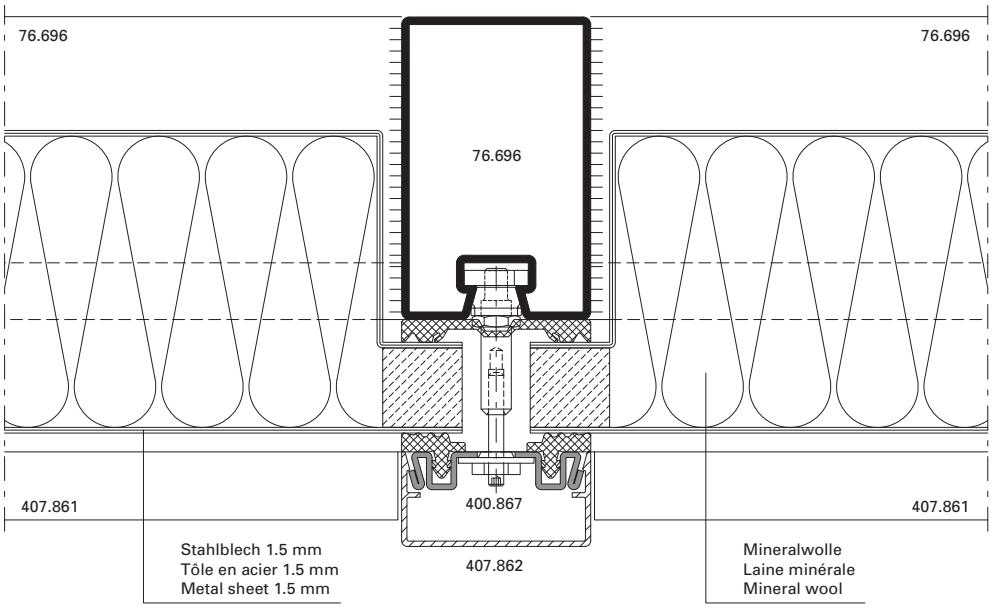

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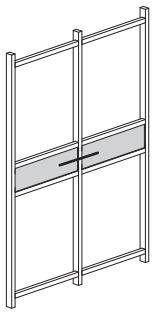
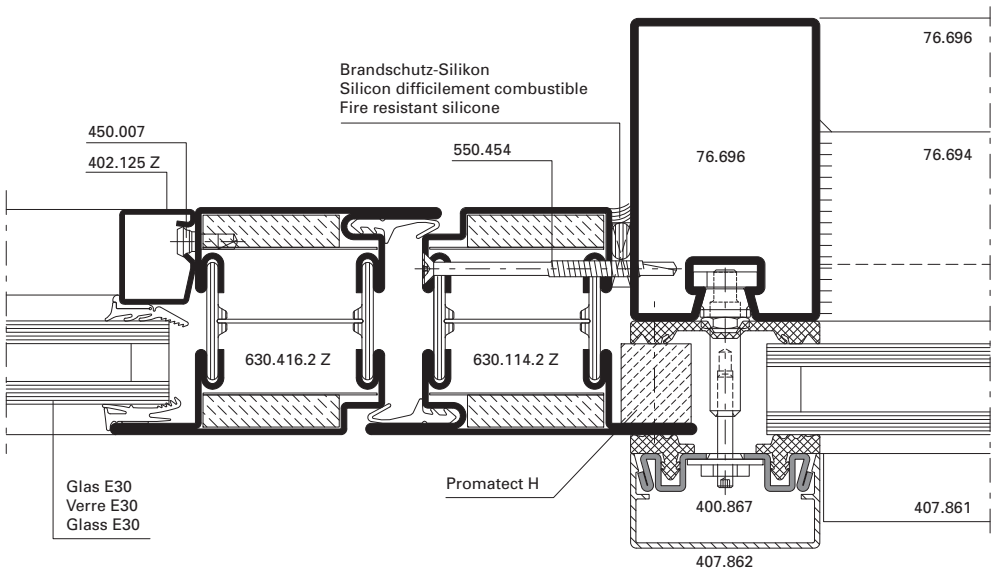


D-400-K-002

Einsatzelemente Türen **Eléments de remplissage portes** **Infill elements doors**



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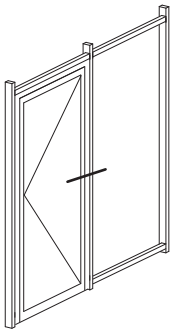
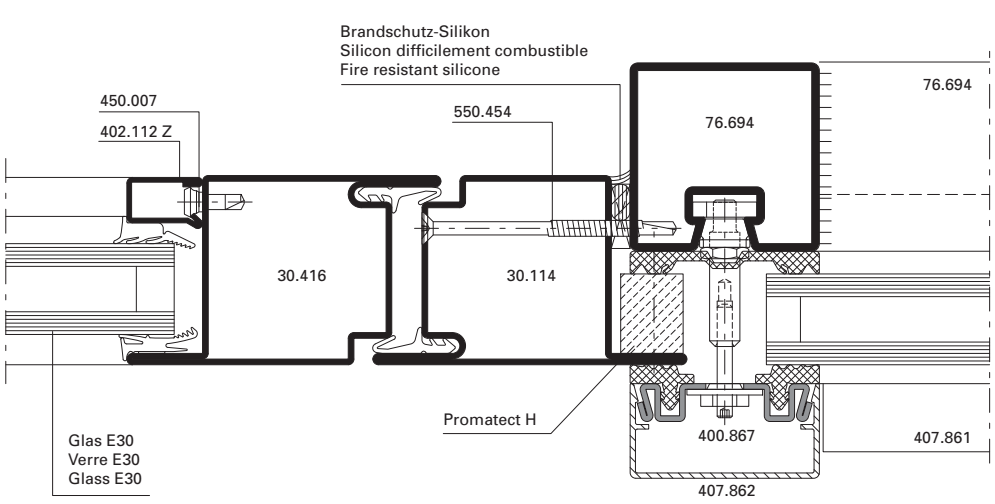


D-400-K-003



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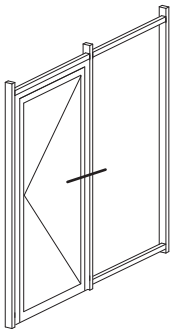

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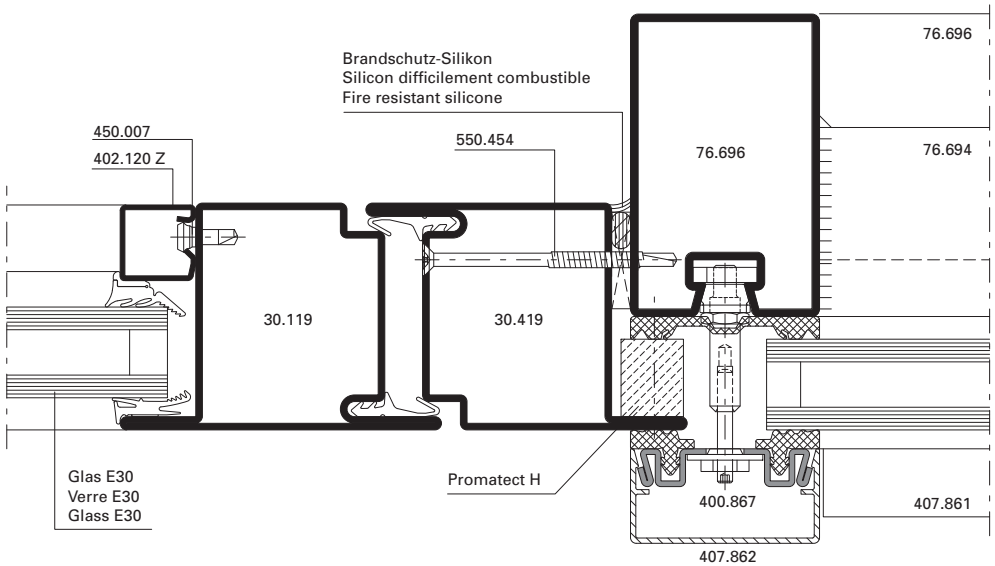

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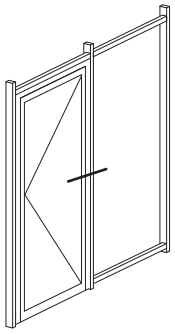
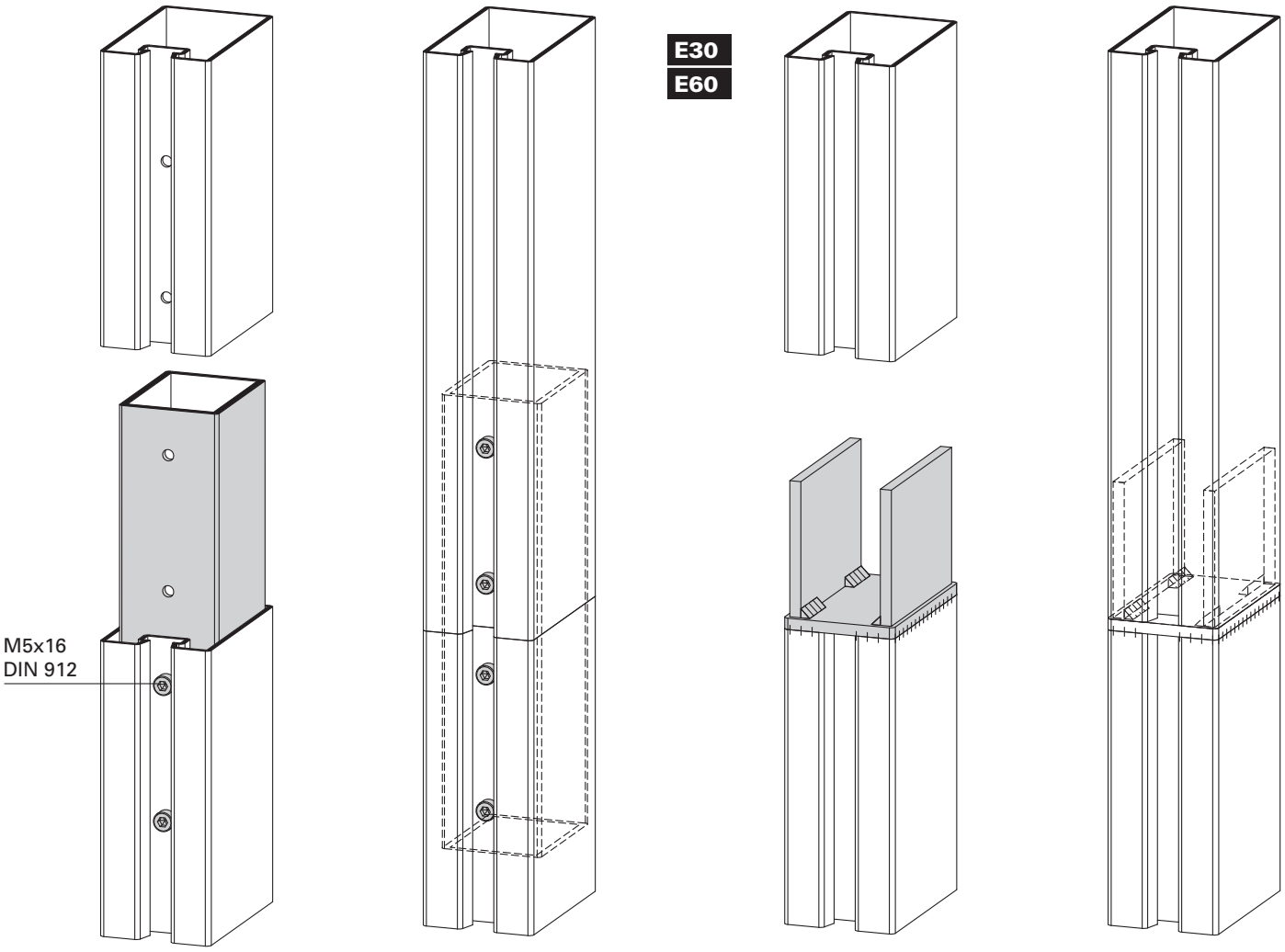
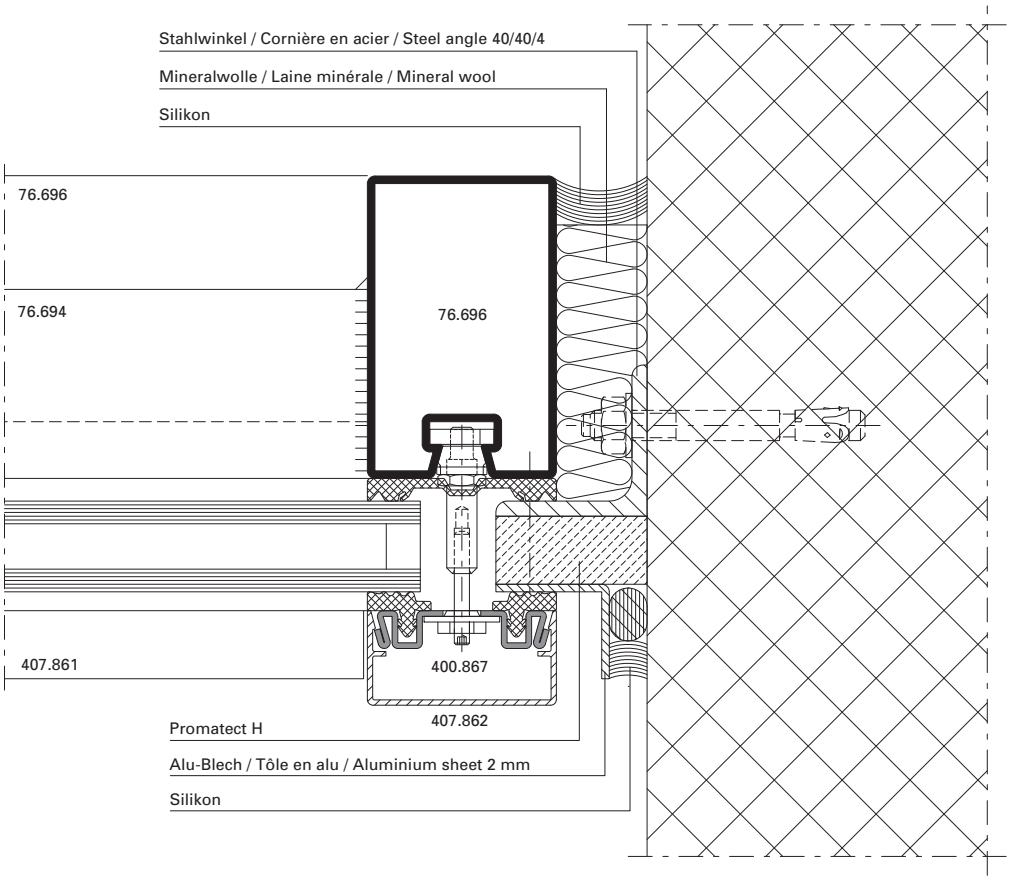


D-400-K-008

Pfostenstoss **Joint de montant** **Mullion joint**





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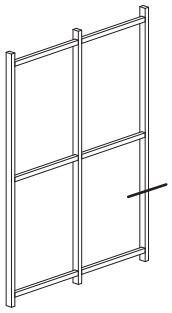
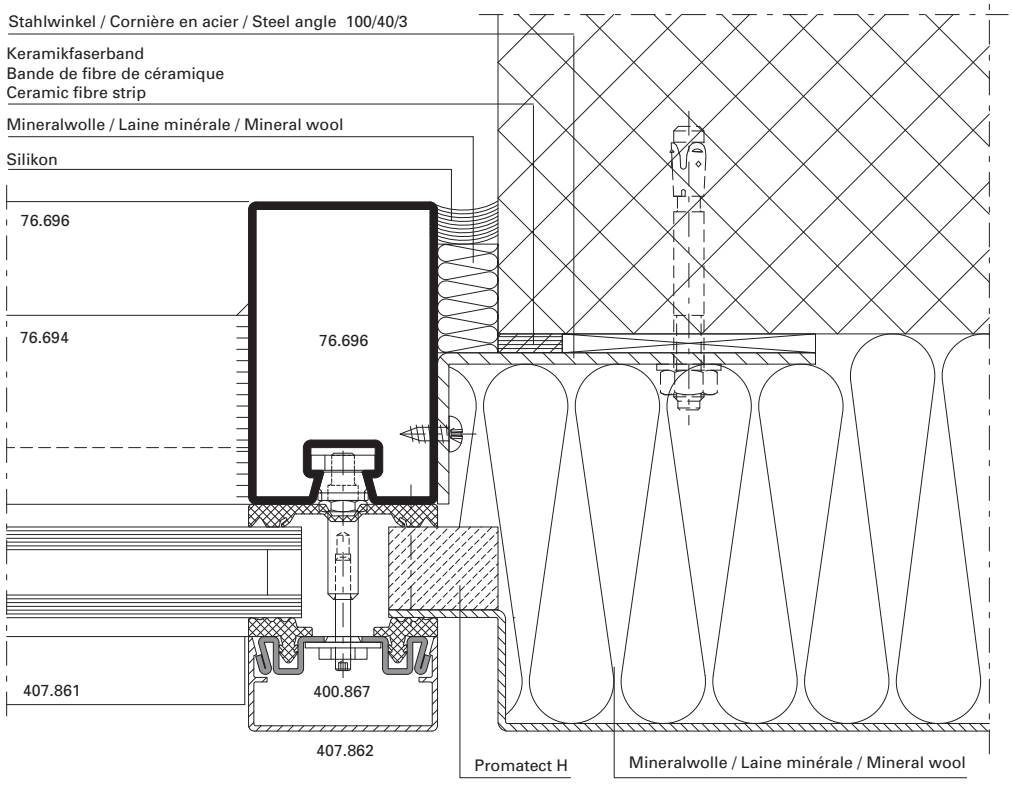


D-400-A-001



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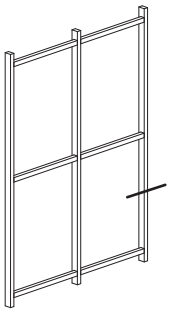
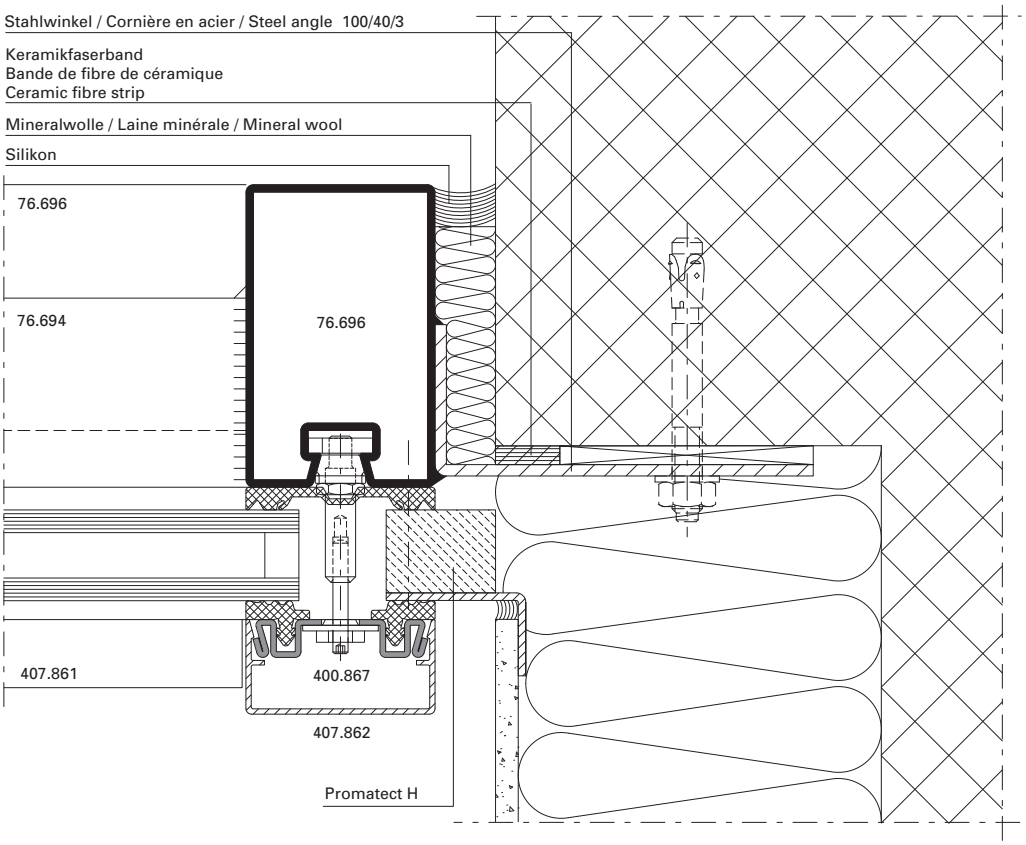


D-400-A-002



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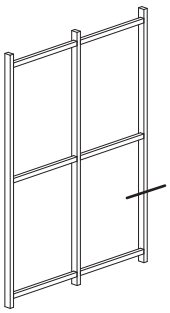

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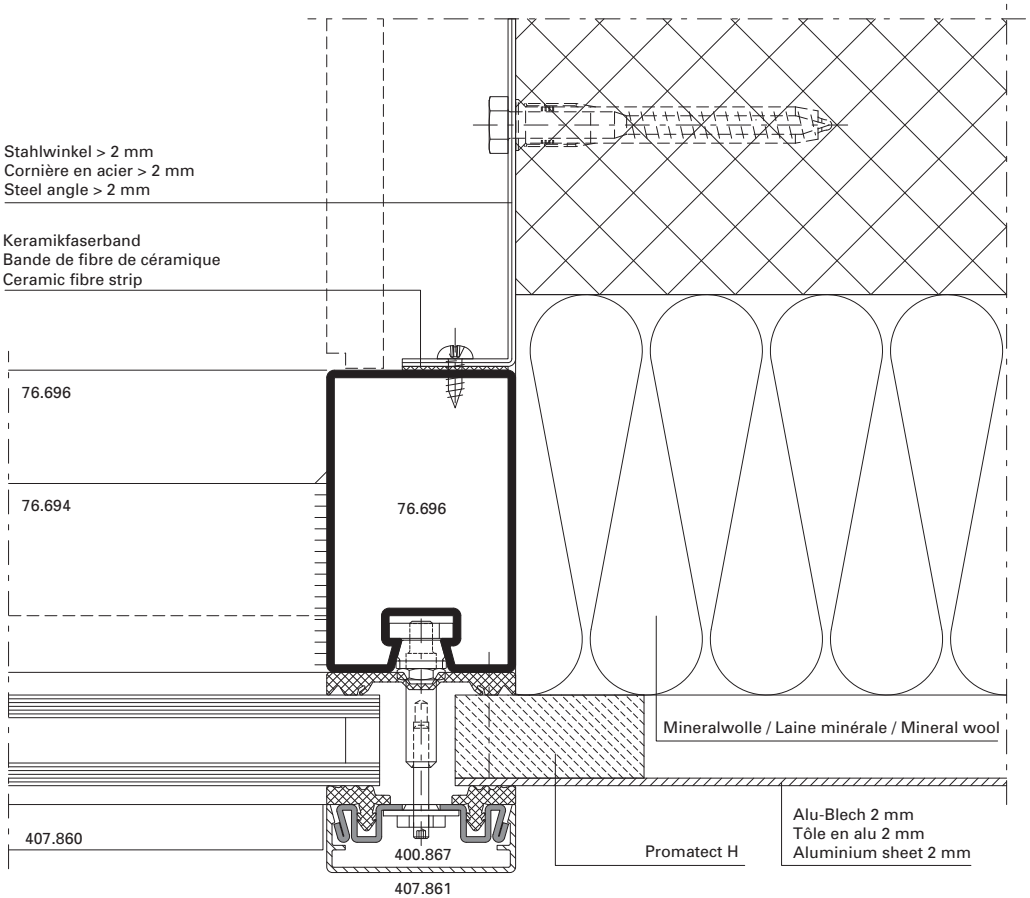

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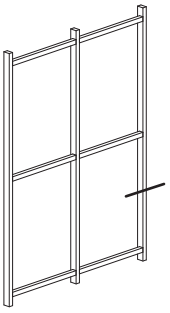

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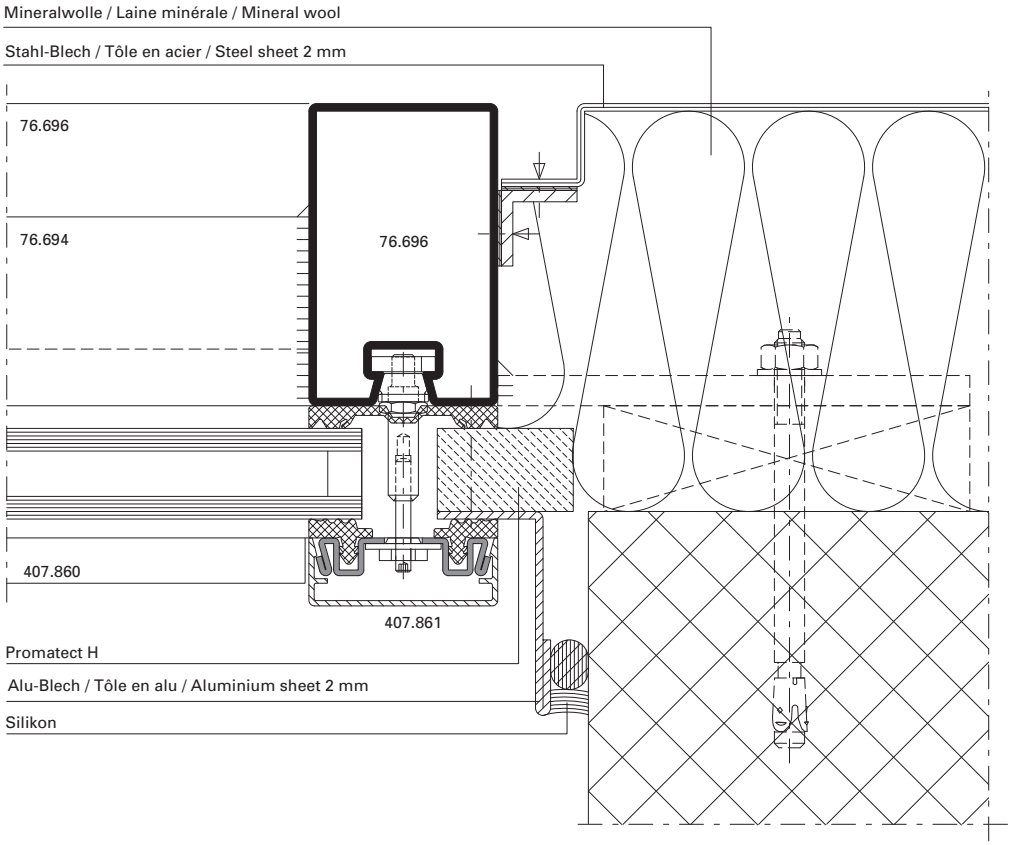

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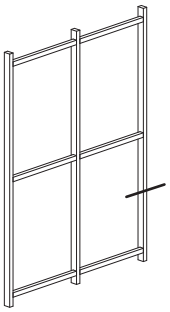

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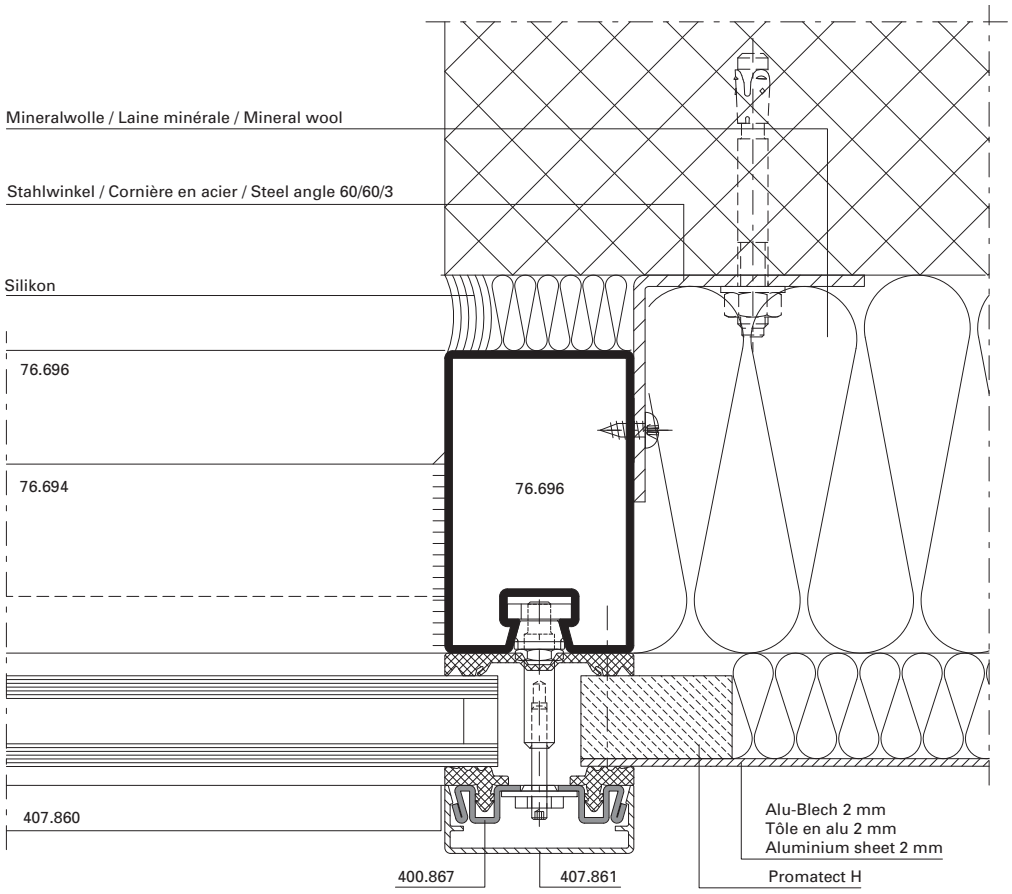

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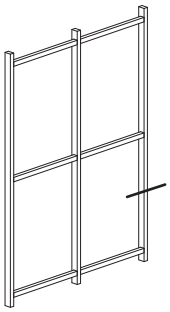
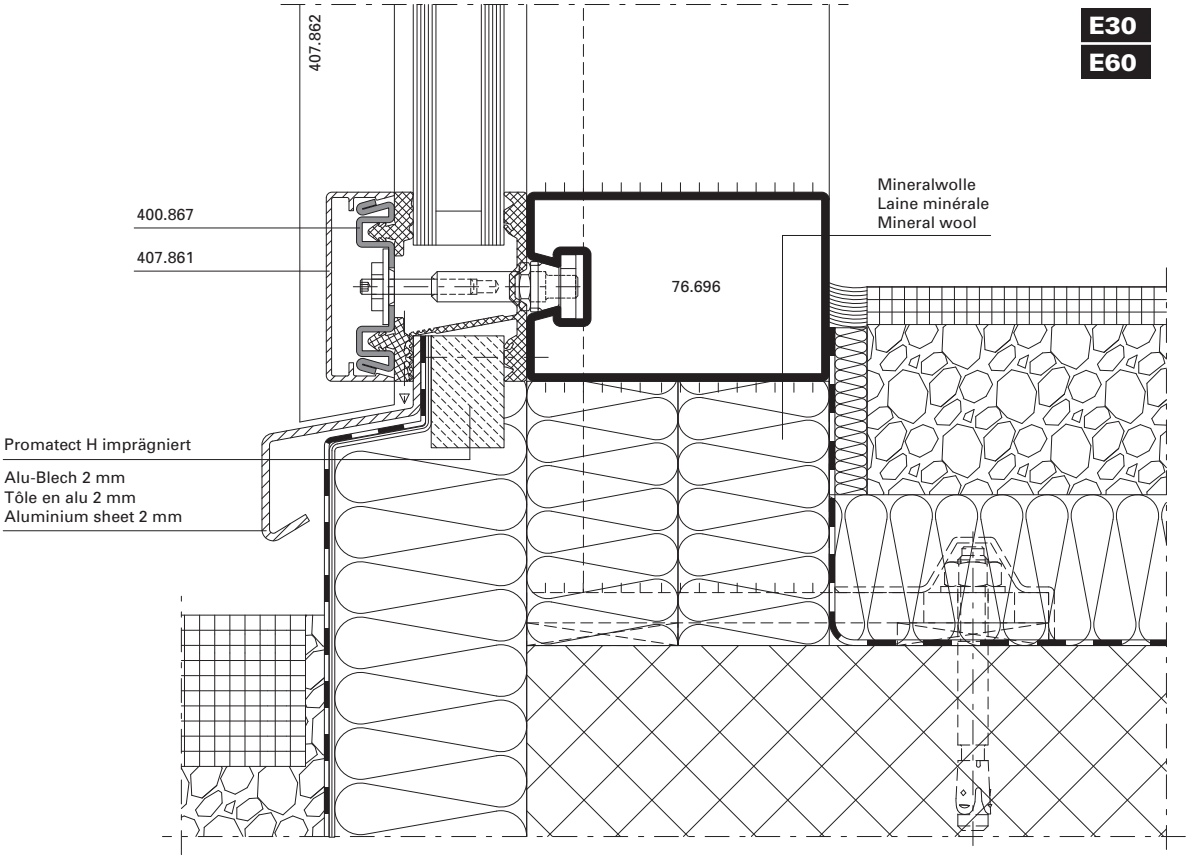
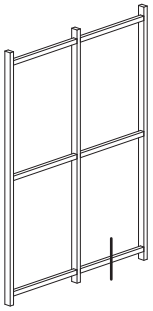


D-400-A-006





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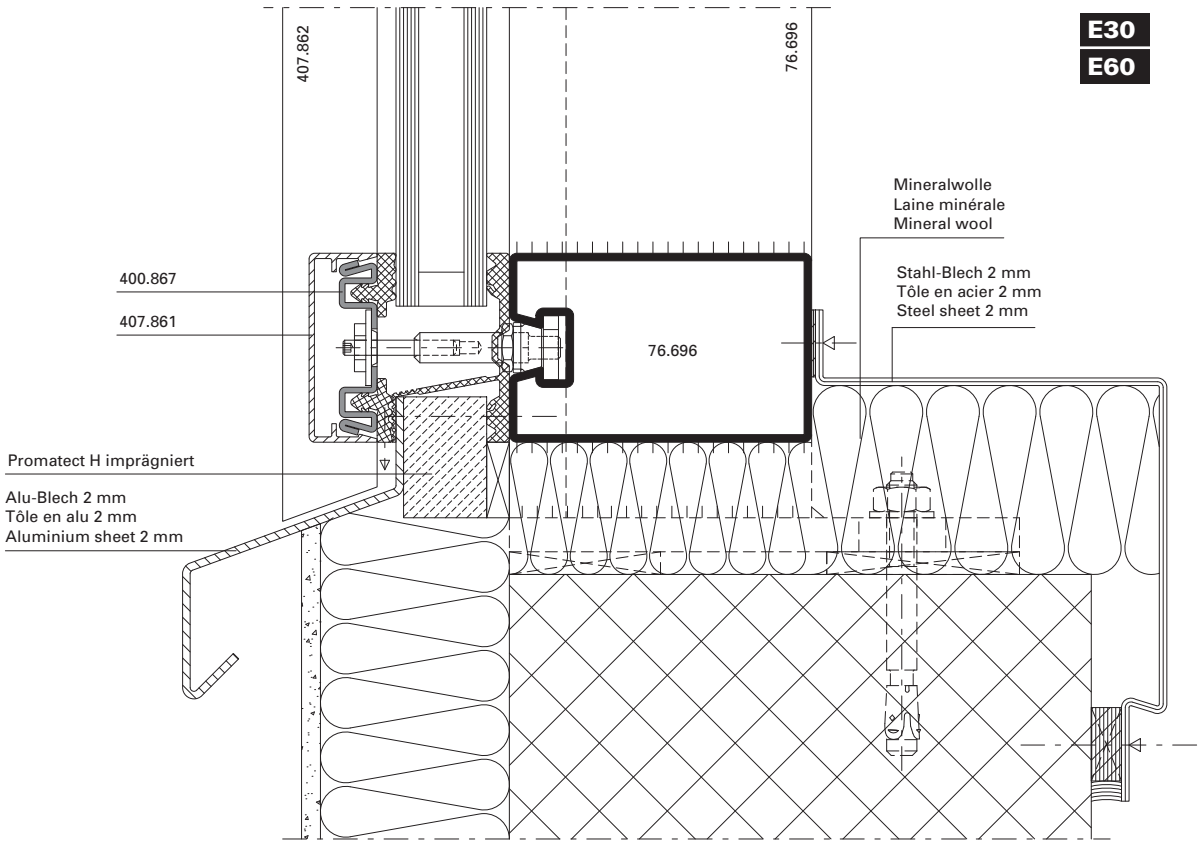

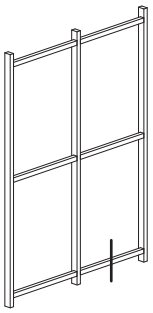

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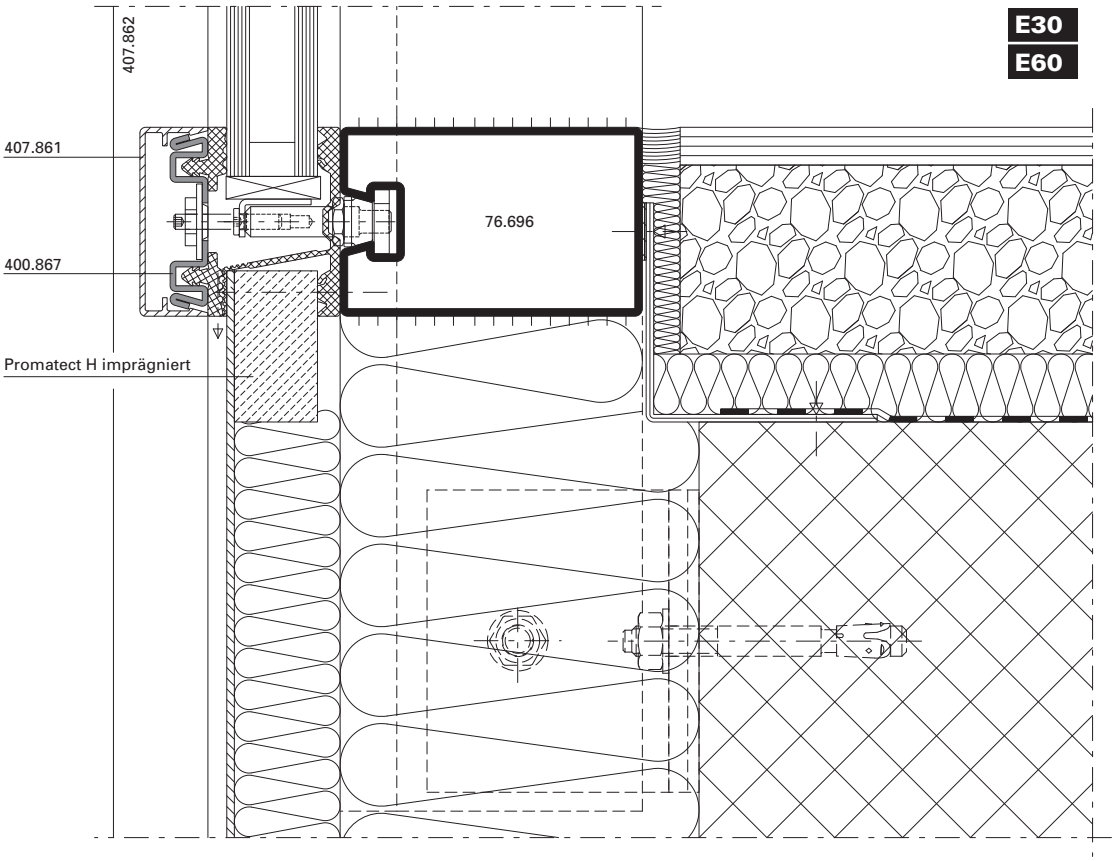

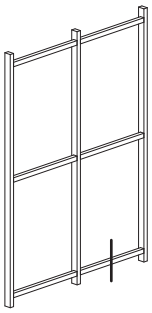

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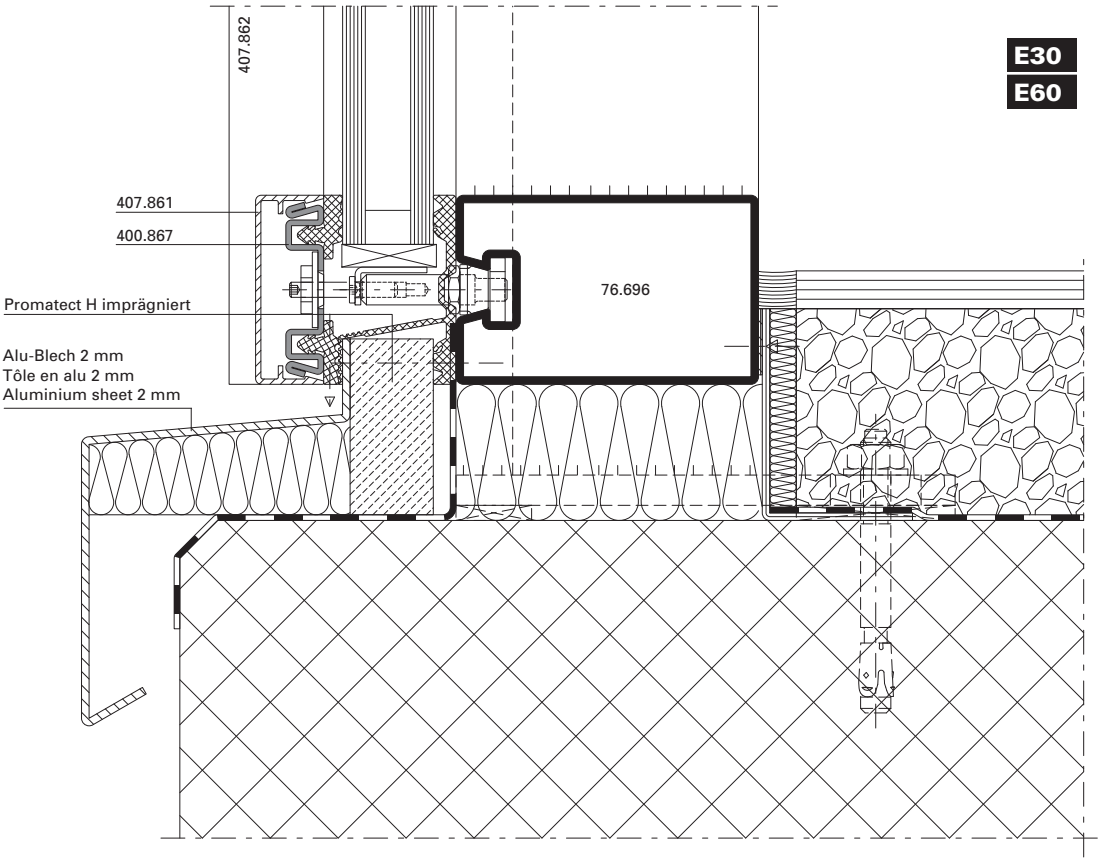

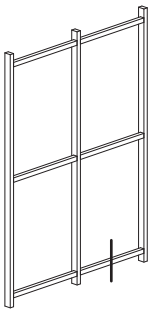

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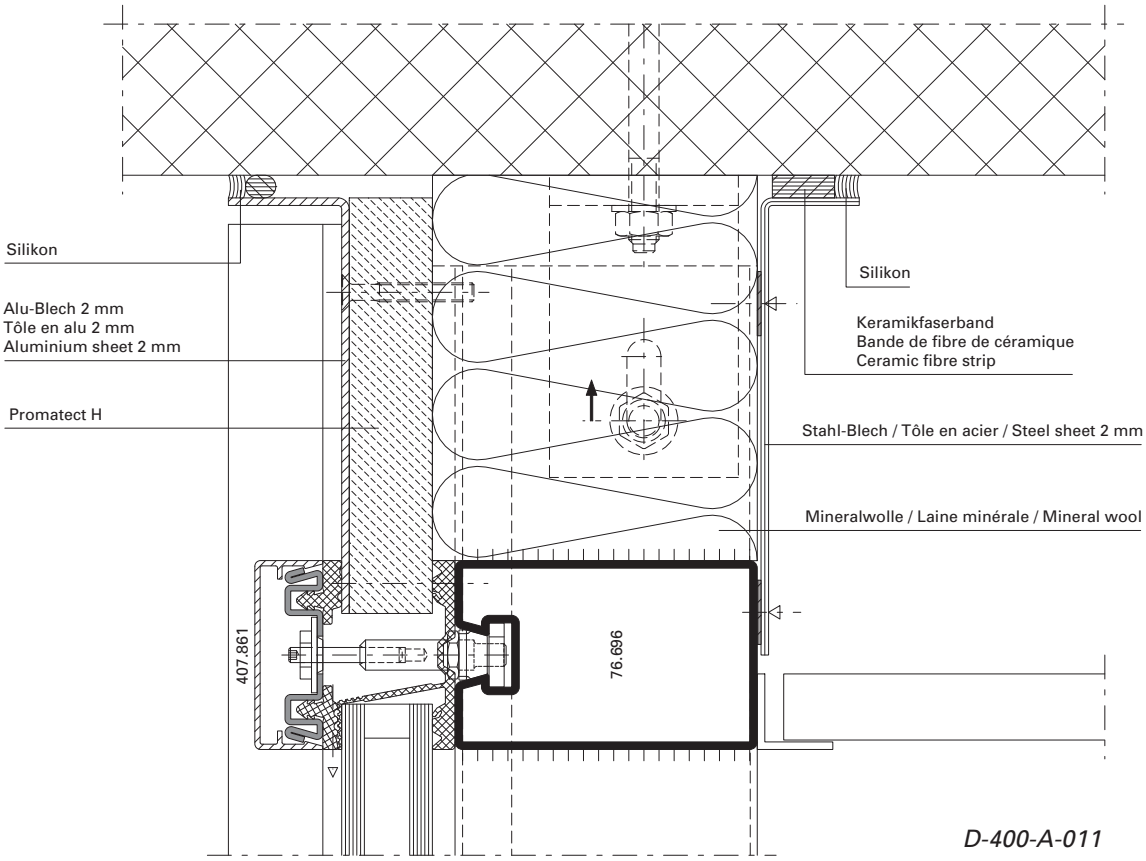

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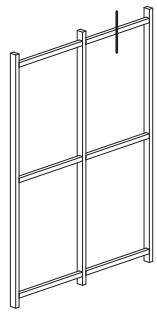

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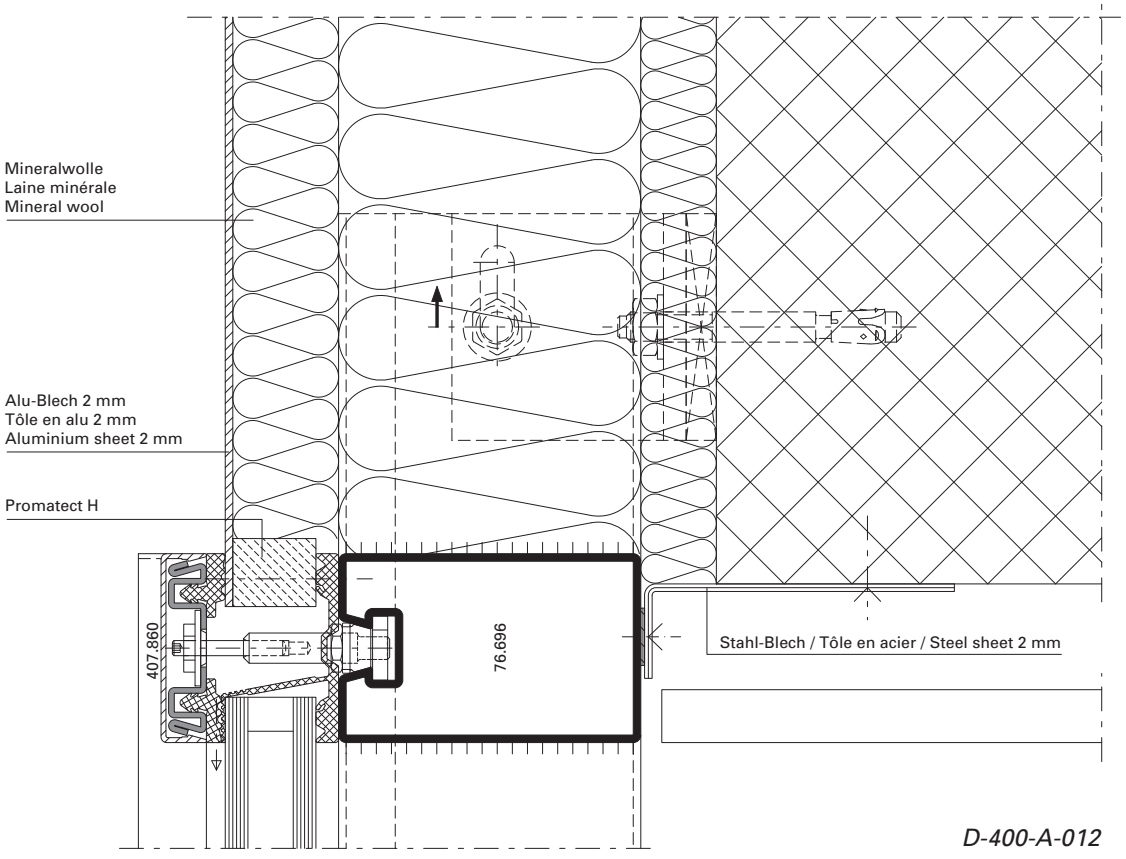

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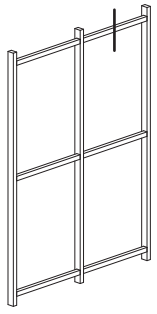

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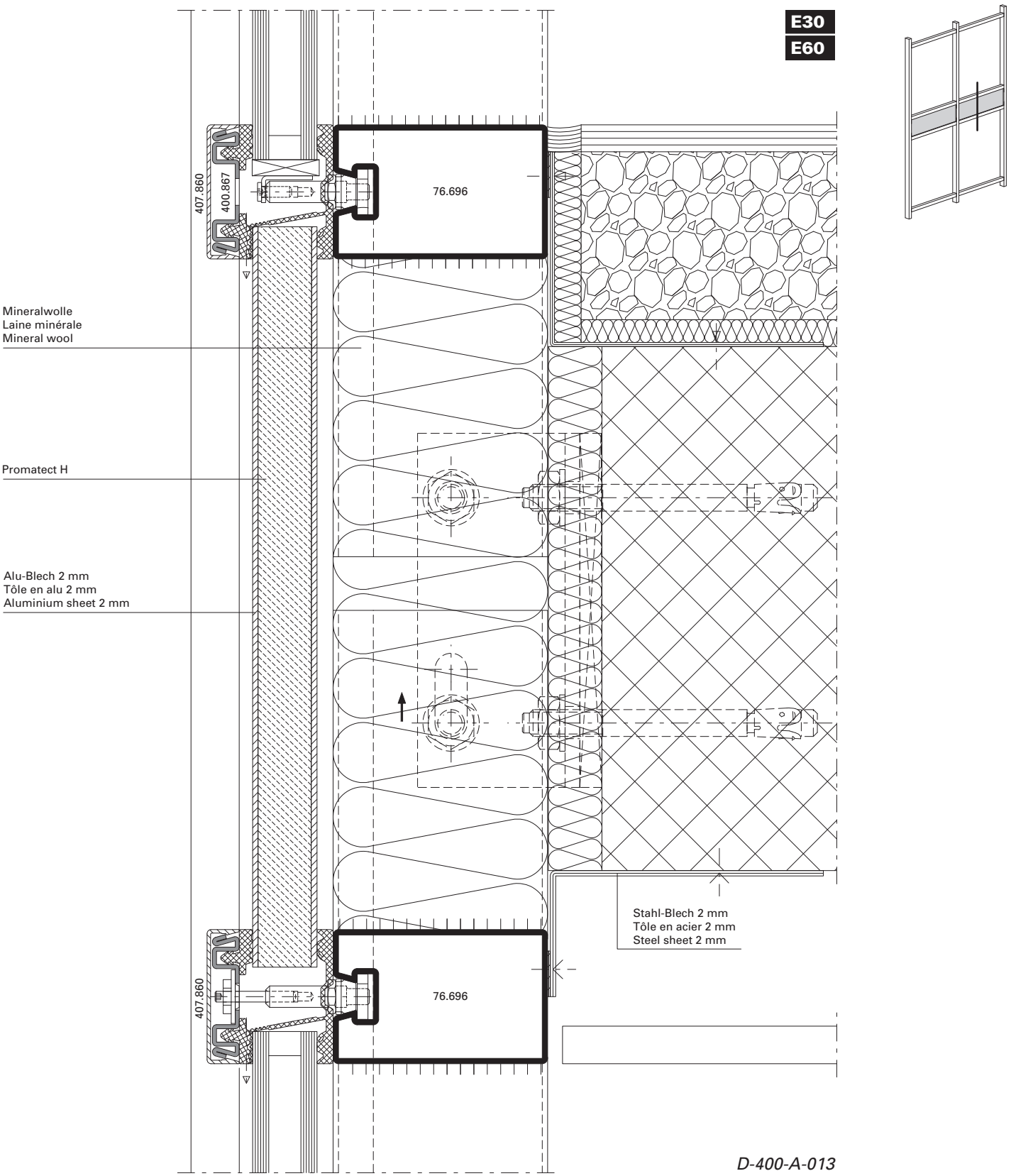
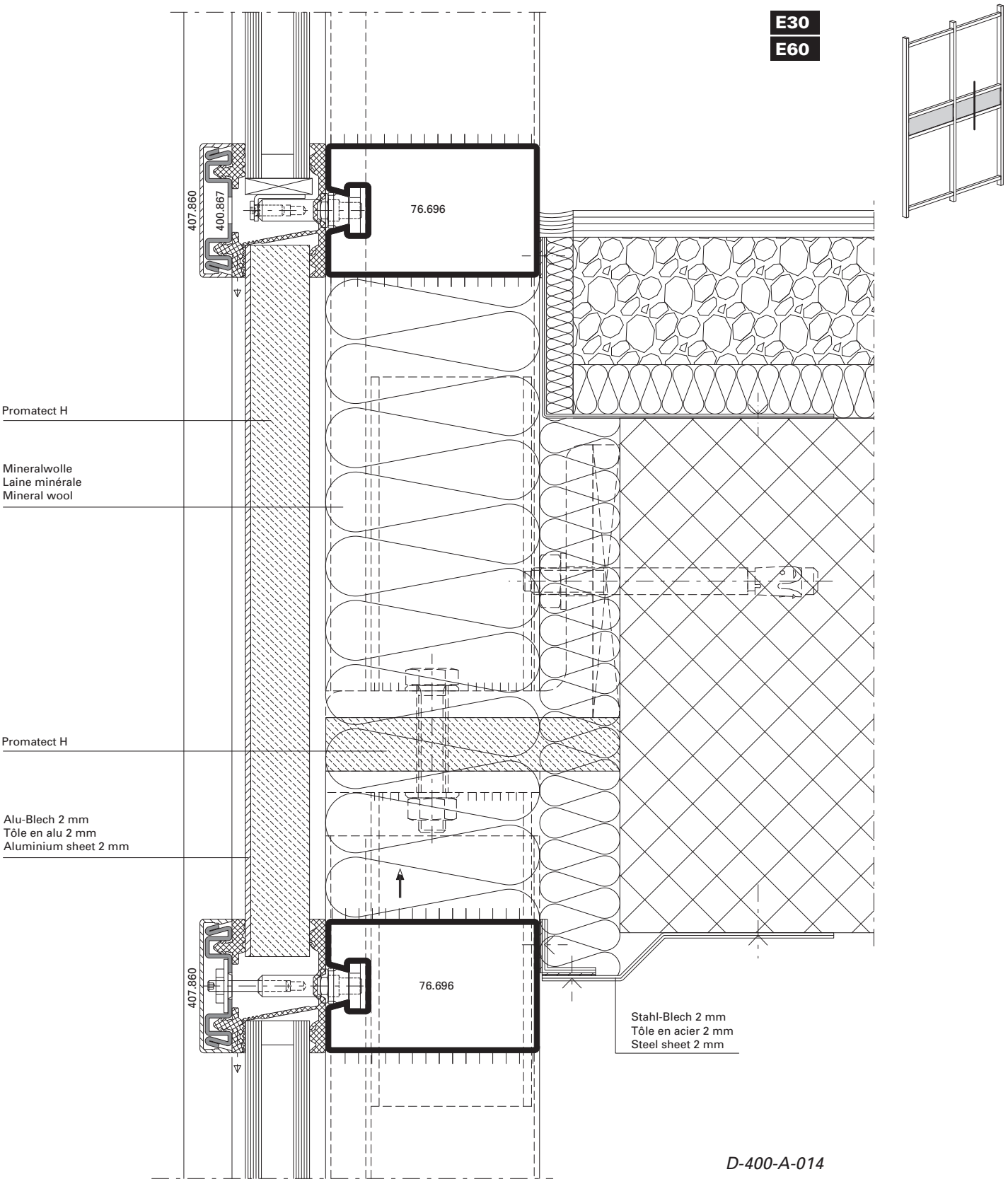
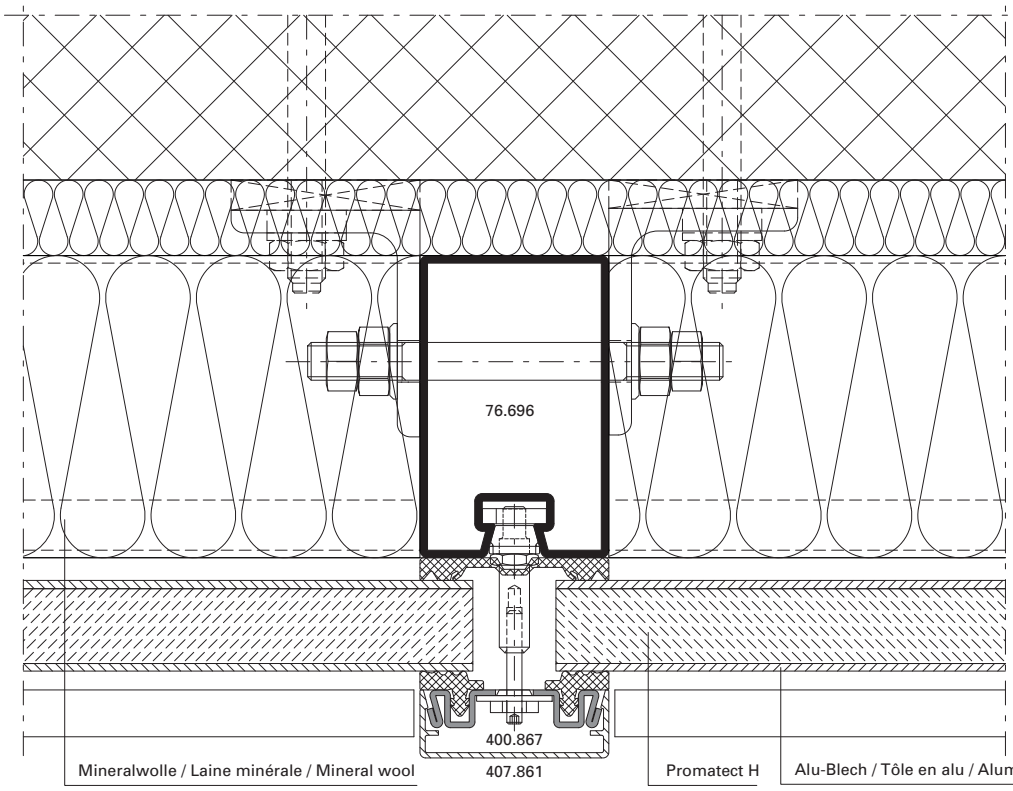

E30
E60
407.860
400.867
76.696
Mineralwolle
Laine minérale
Mineral wool
Promatect H
Alu-Blech 2 mm
Tôle en alu 2 mm
Aluminium sheet 2 mm
Stahl-Blech 2 mm
Tôle en acier 2 mm
Steel sheet 2 mm
407.860
76.696

D-400-A-013


E30
E60
407.860
400.867
76.696
Promatect H
Mineralwolle
Laine minérale
Mineral wool
Promatect H
Alu-Blech 2 mm
Tôle en alu 2 mm
Aluminium sheet 2 mm
407.860
76.696
Stahl-Blech 2 mm
Tôle en acier 2 mm
Steel sheet 2 mm

D-400-A-014



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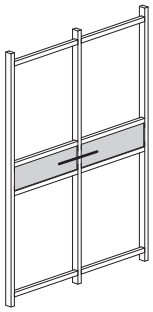
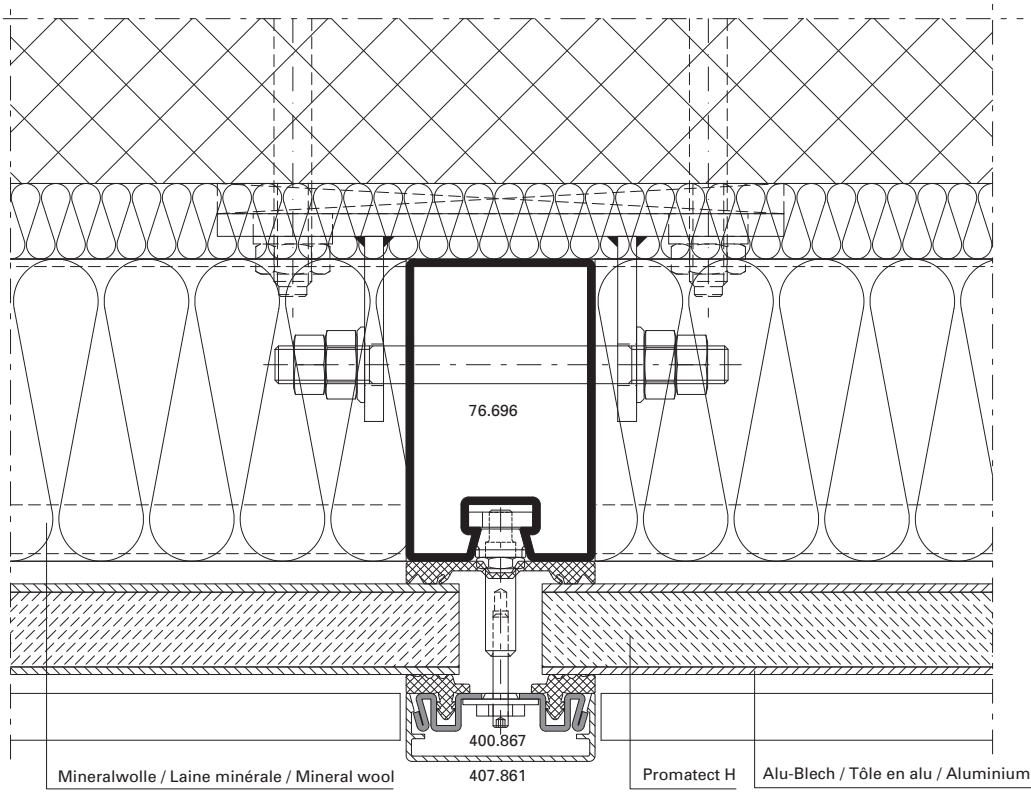


D-400-A-015



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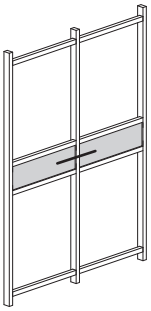

D-400-A-016

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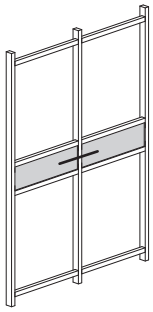

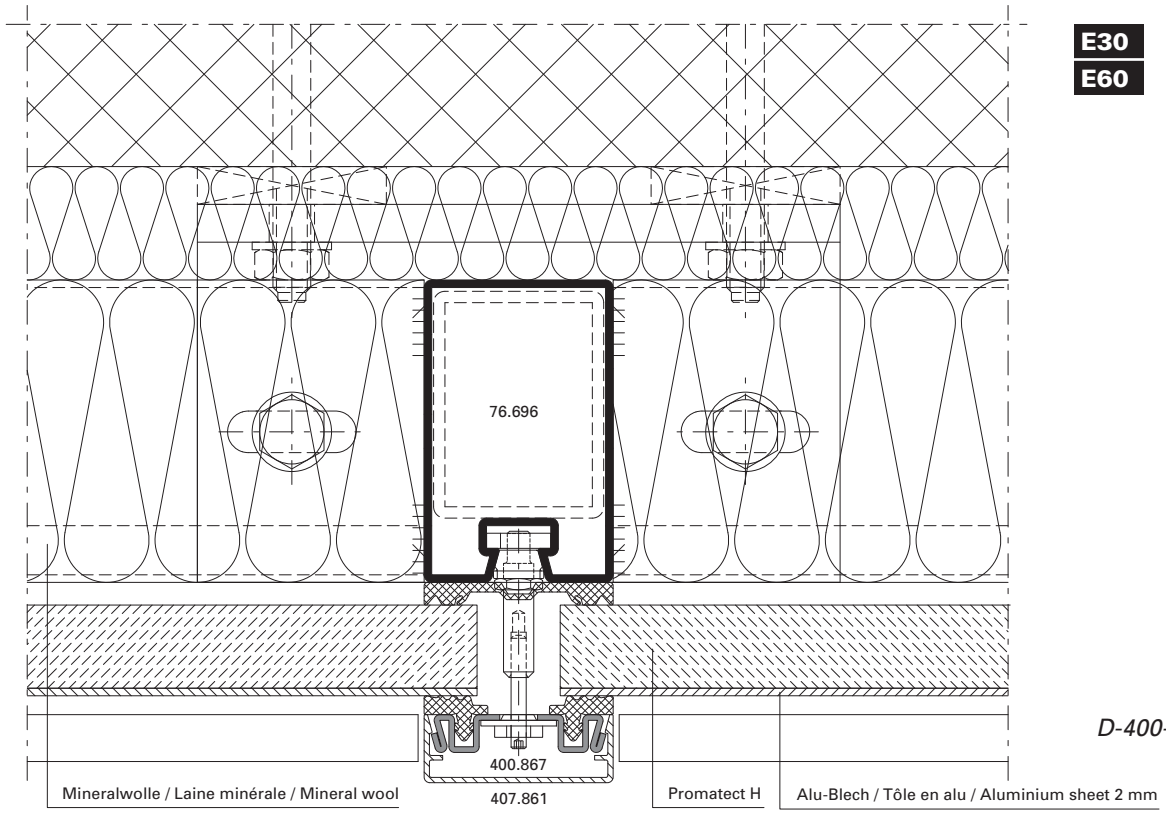

D-400-A-017

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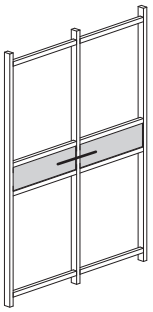
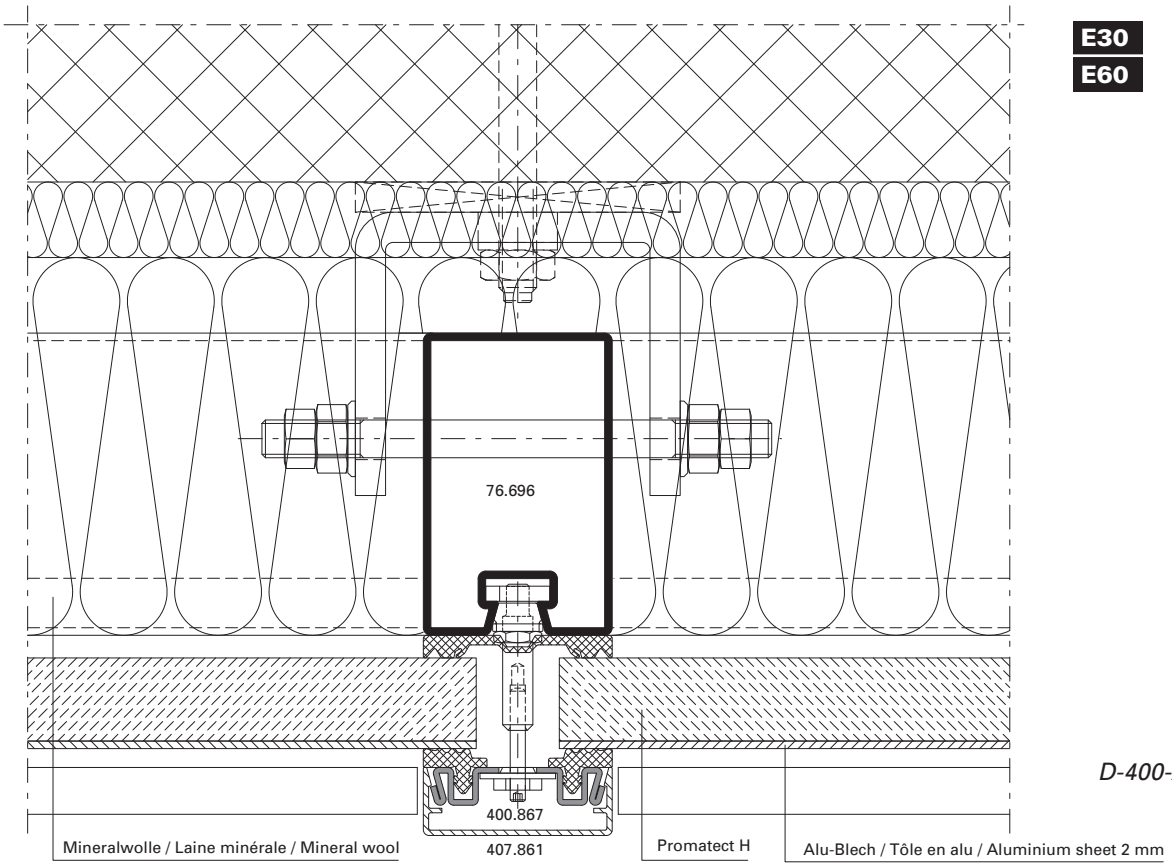
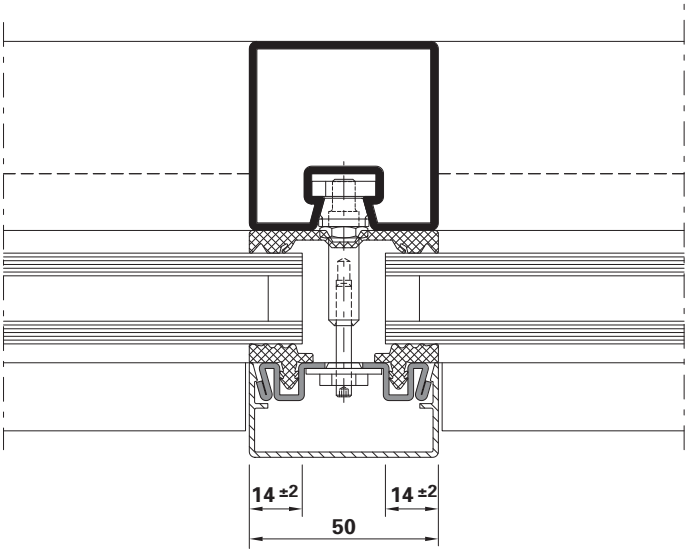




D-400-A-018

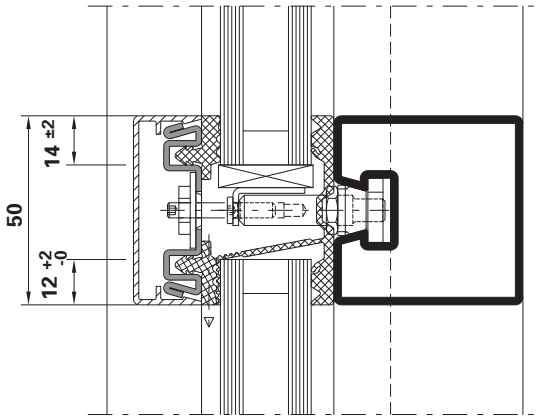
Glaseinstand



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

Prise en feuillure

E30
E60



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

Glass edge cover

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

VISS Fire TV
Brandschutzverglasung
Klasse EI

Hinweis:

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

VISS Fire TV
Vitrage coupe feu
Classe 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!

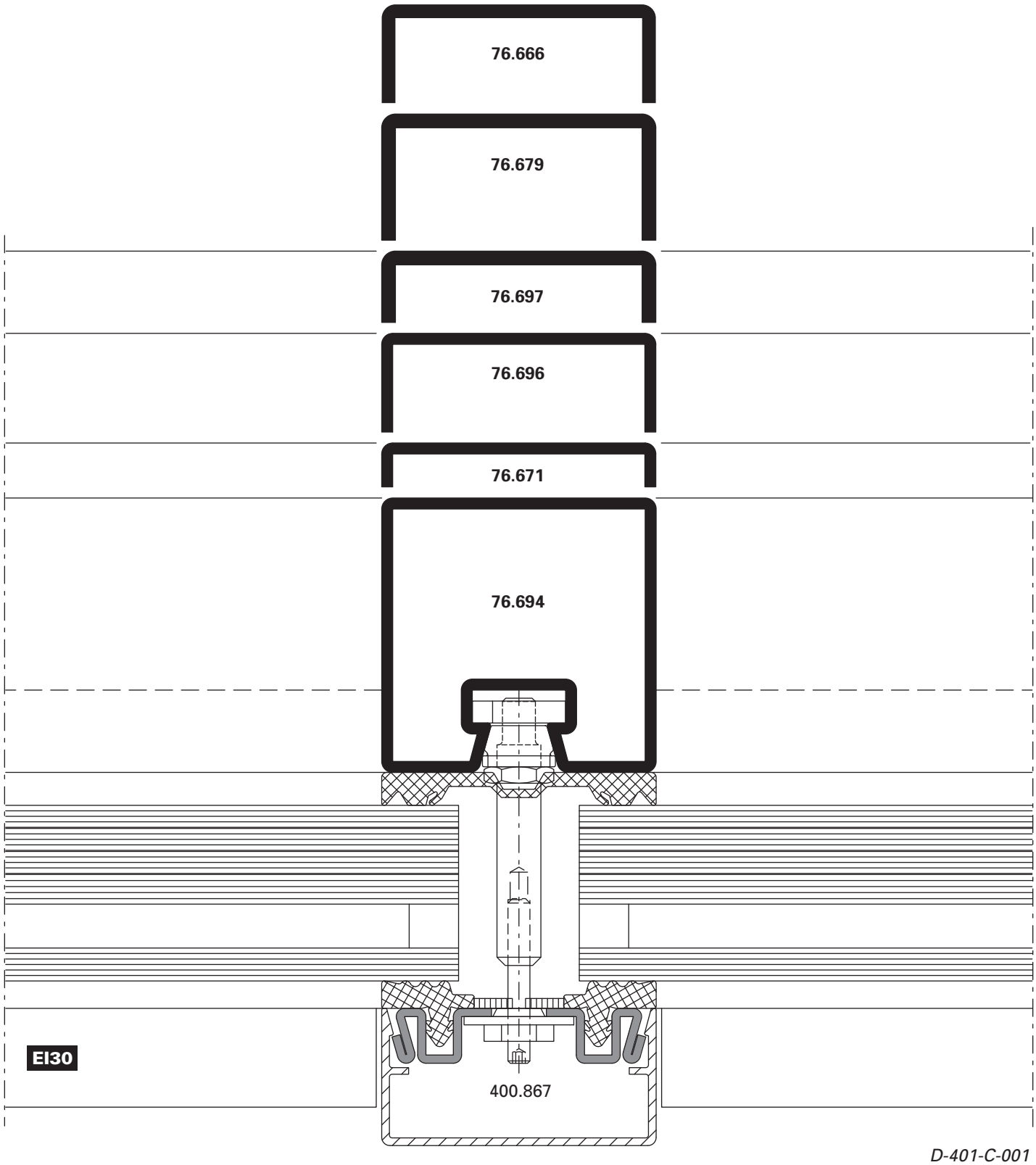
VISS Fire TV
Fire protection glazing
Class EI

Note:

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

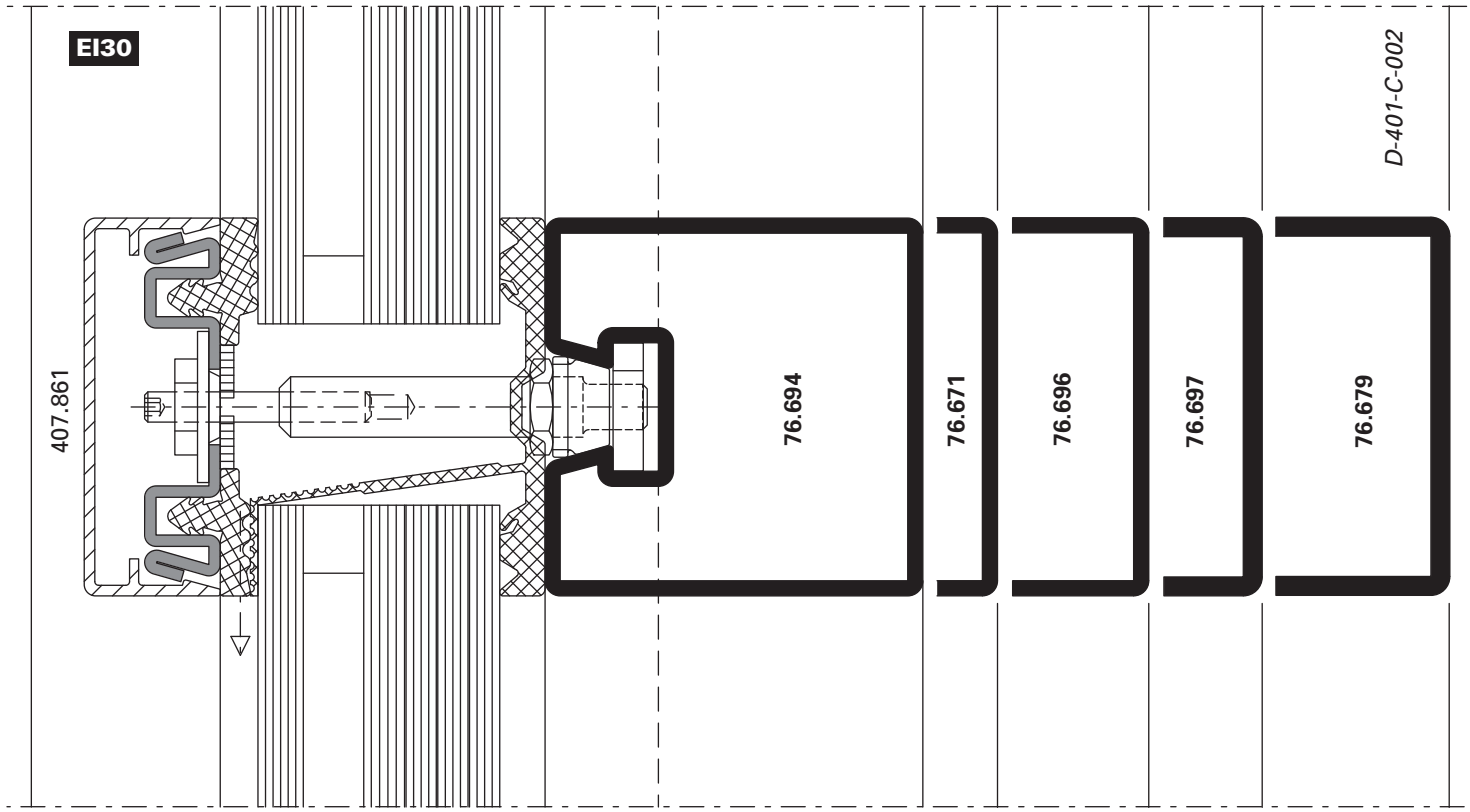
Justizgebäude Antwerpen/BE (Architekten: Richard Rogers, Van Kerckhove, Ove Arup & Partners)

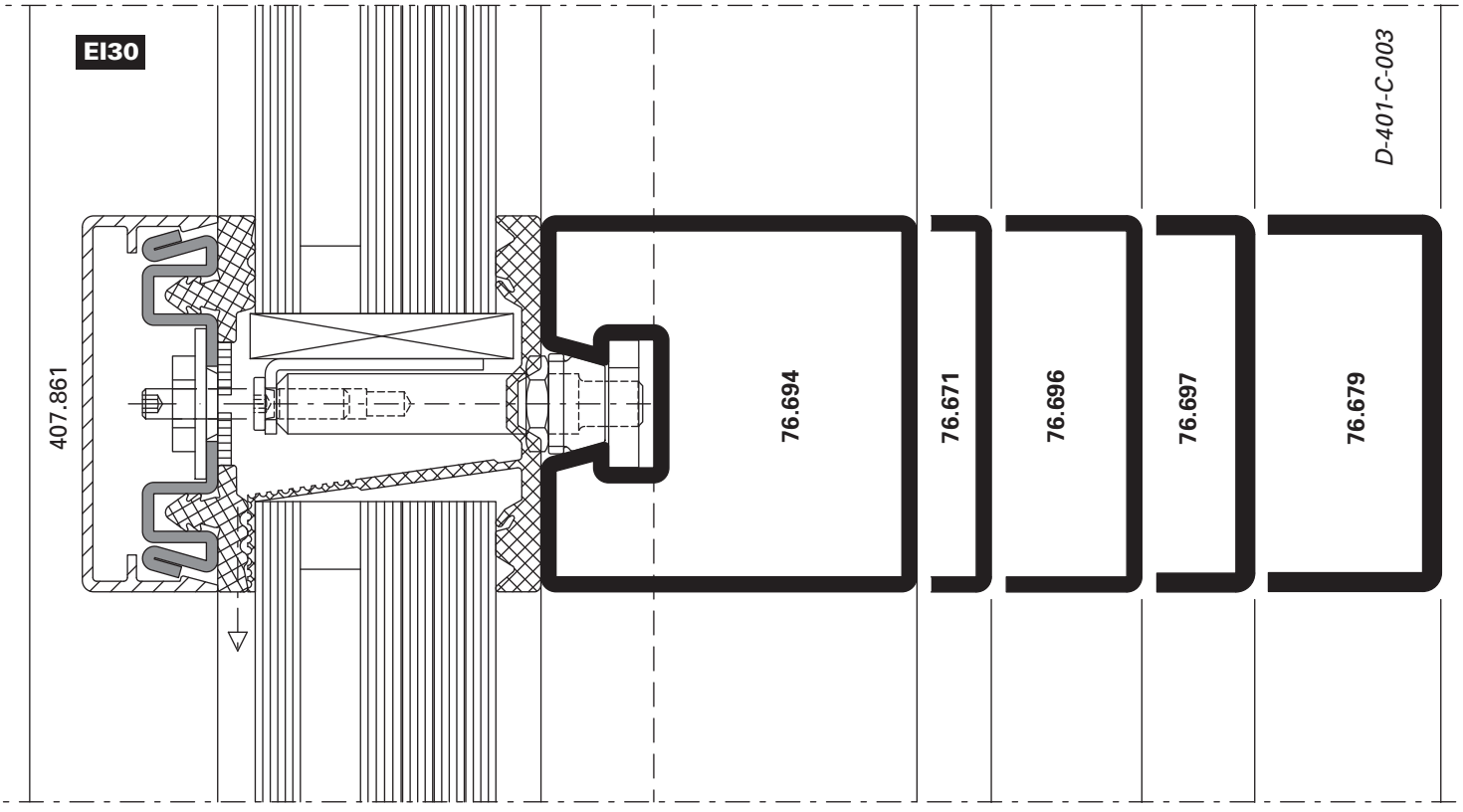
Pfosten-Detail **Détail du montant** **Detail of mullion**



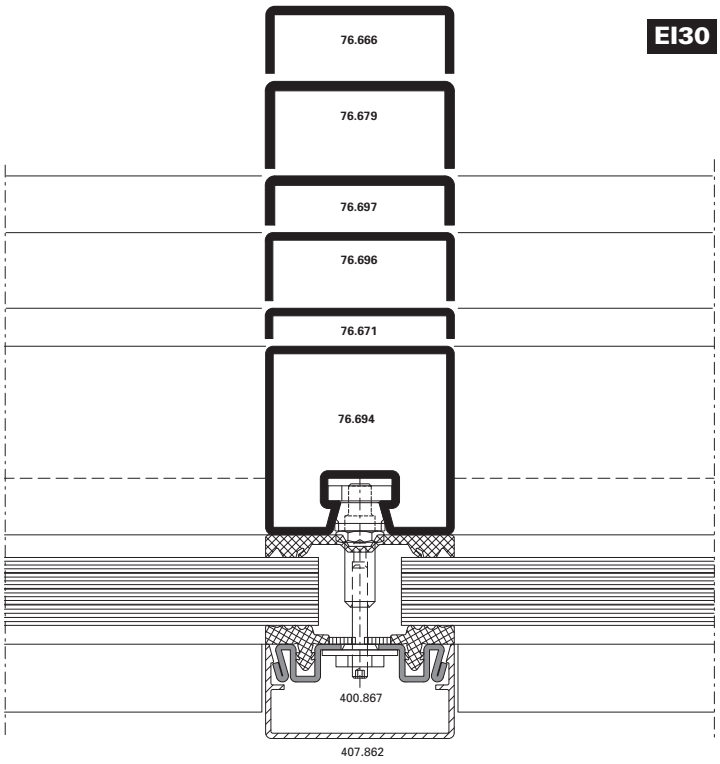
D-401-C-001

Riegel-Detail **Détail de la traverse** **Detail of transom**



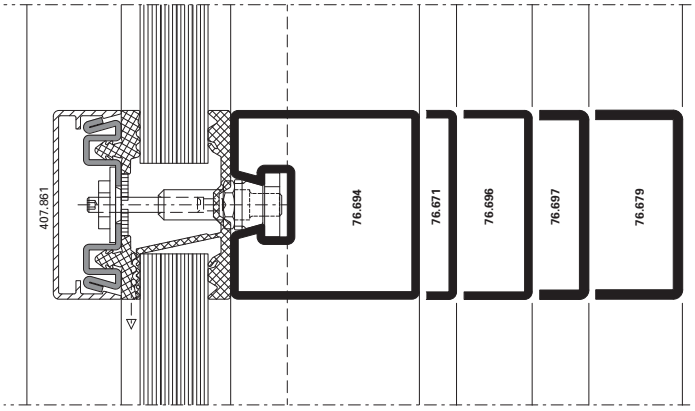


Pfosten-Detail **Détail du montant** **Detail of mullion**



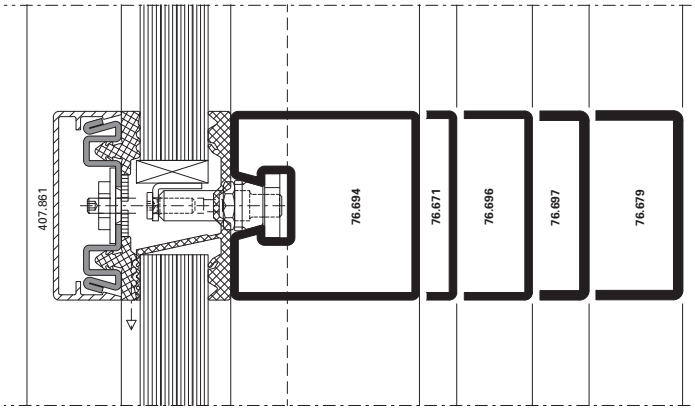
D-401-C-010

Riegel-Detail **Détail de la traverse** **Detail of transom**



EI30

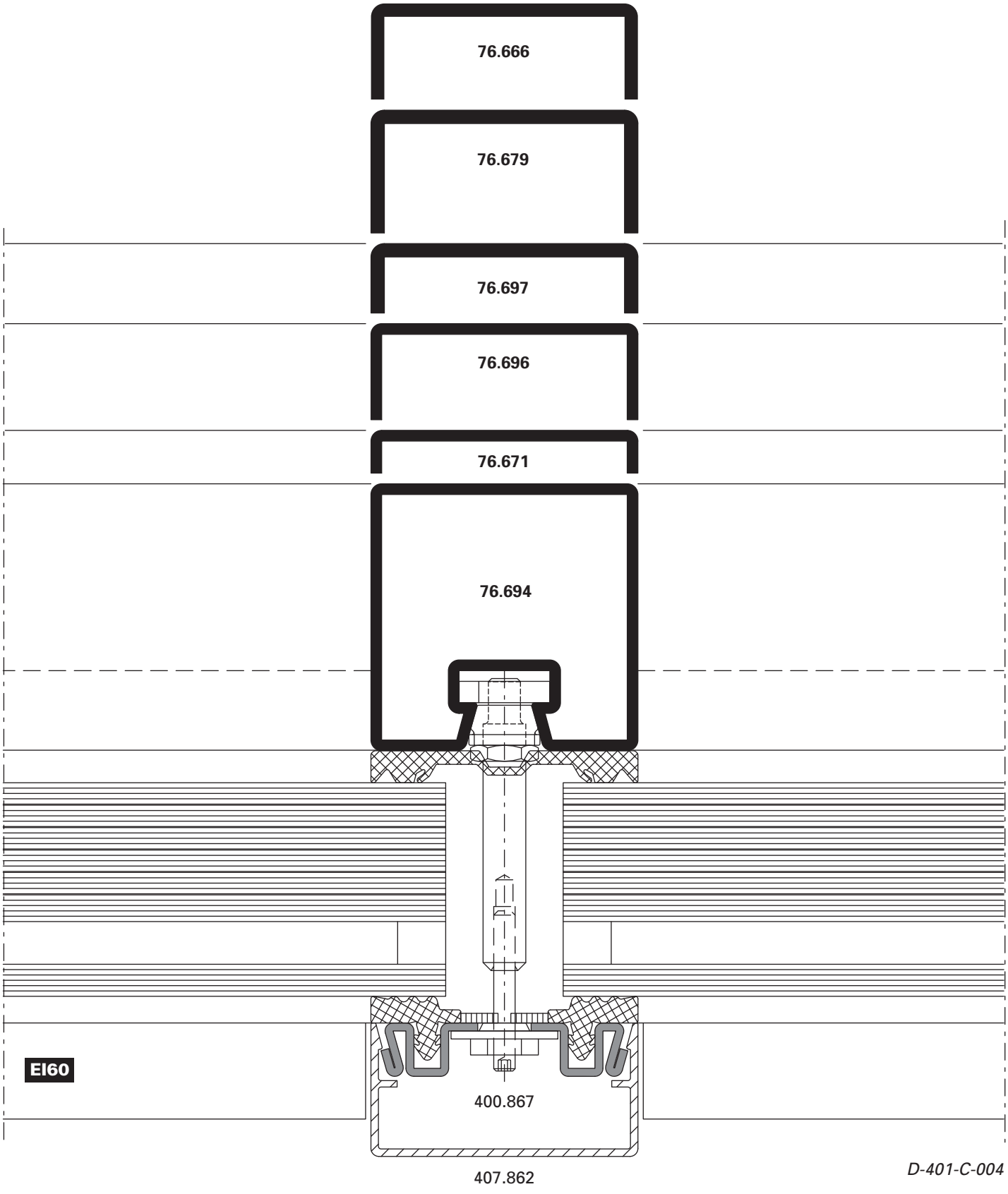
D-401-C-011



EI30

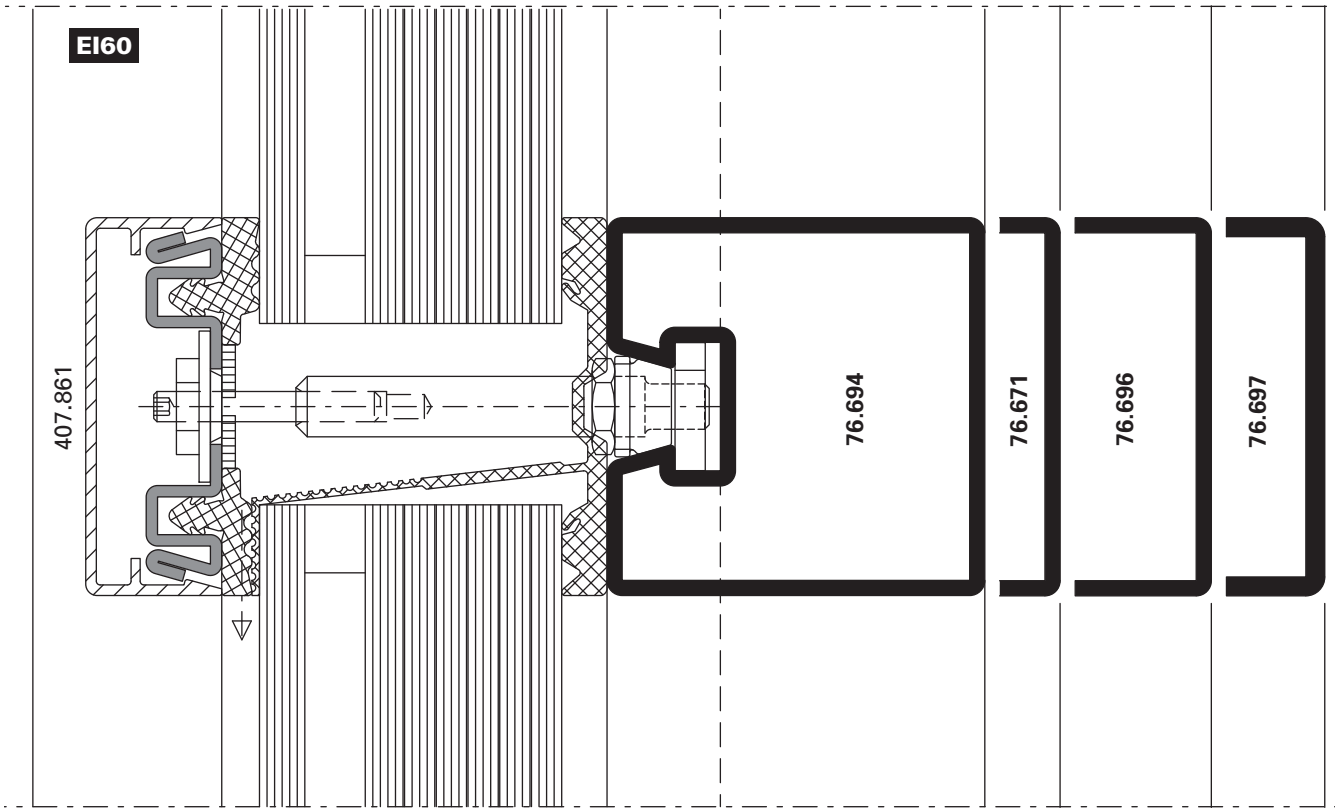
D-401-C-012

Pfosten-Detail **Détail du montant** **Detail of mullion**

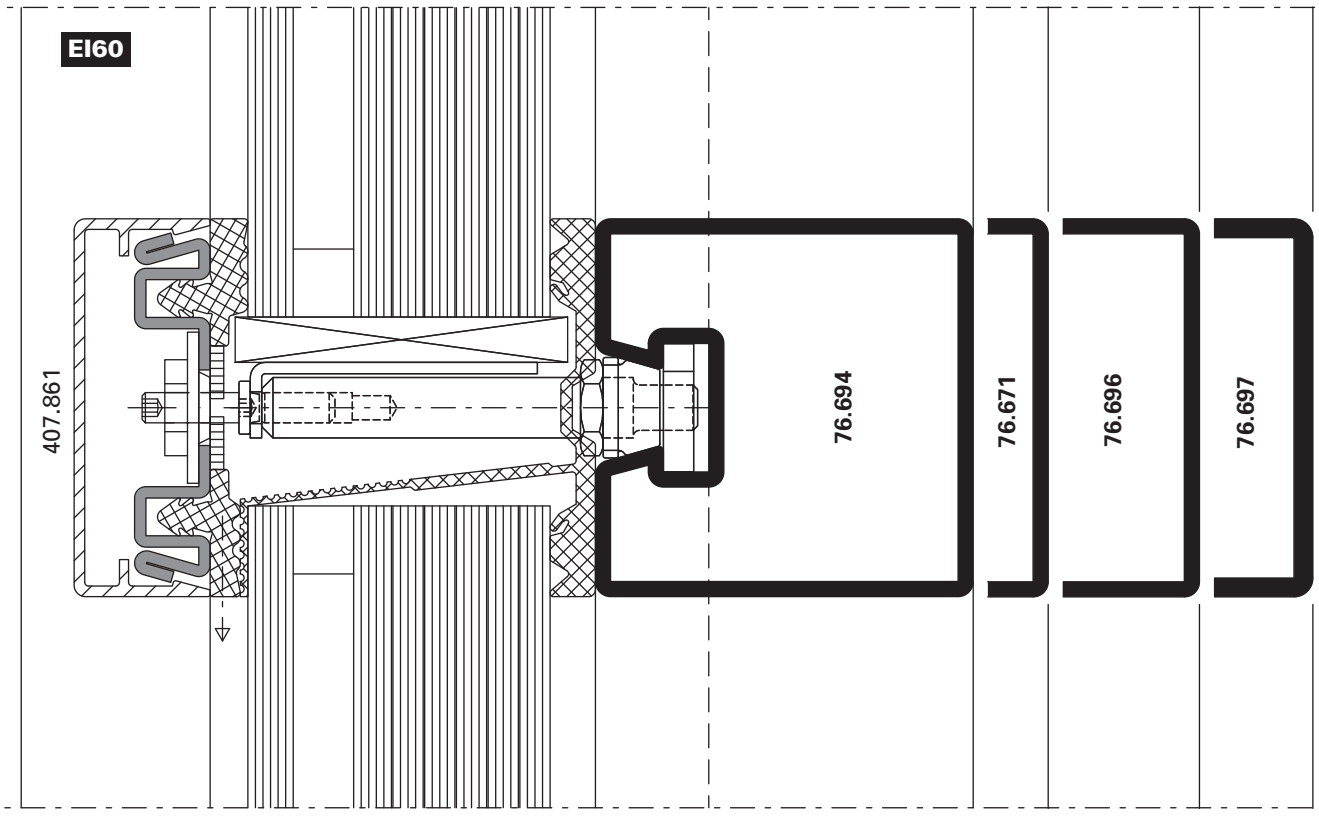


D-401-C-004

Riegel-Detail **Détail de la traverse** **Detail of transom**

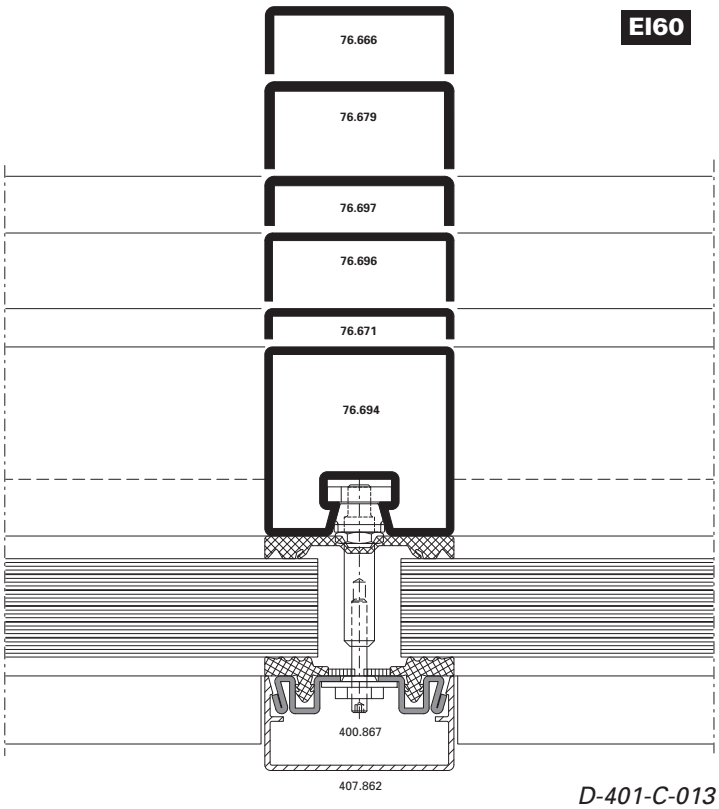


D-401-C-005



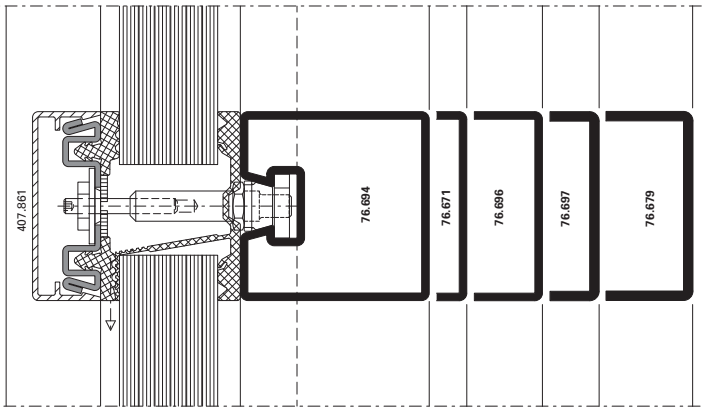
D-401-C-006

Pfosten-Detail **Détail du montant** **Detail of mullion**

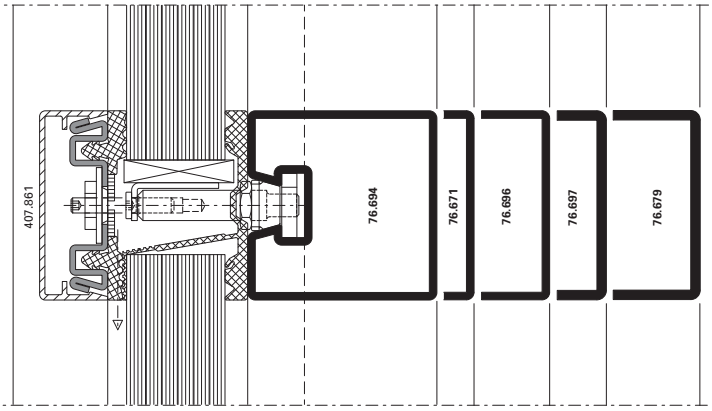


D-401-C-013

Riegel-Detail **Détail de la traverse** **Detail of transom**

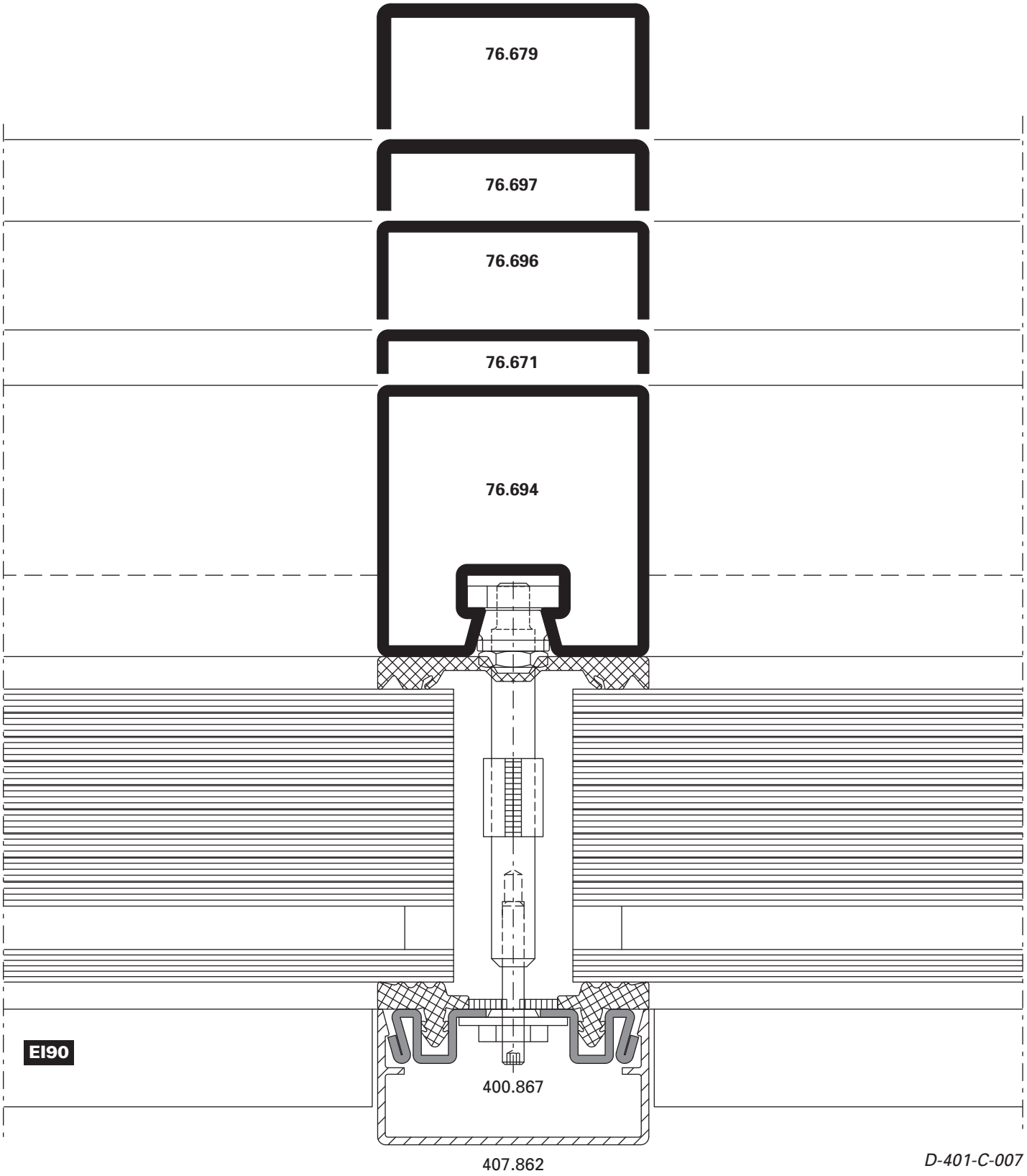


EI60 *D-401-C-014*



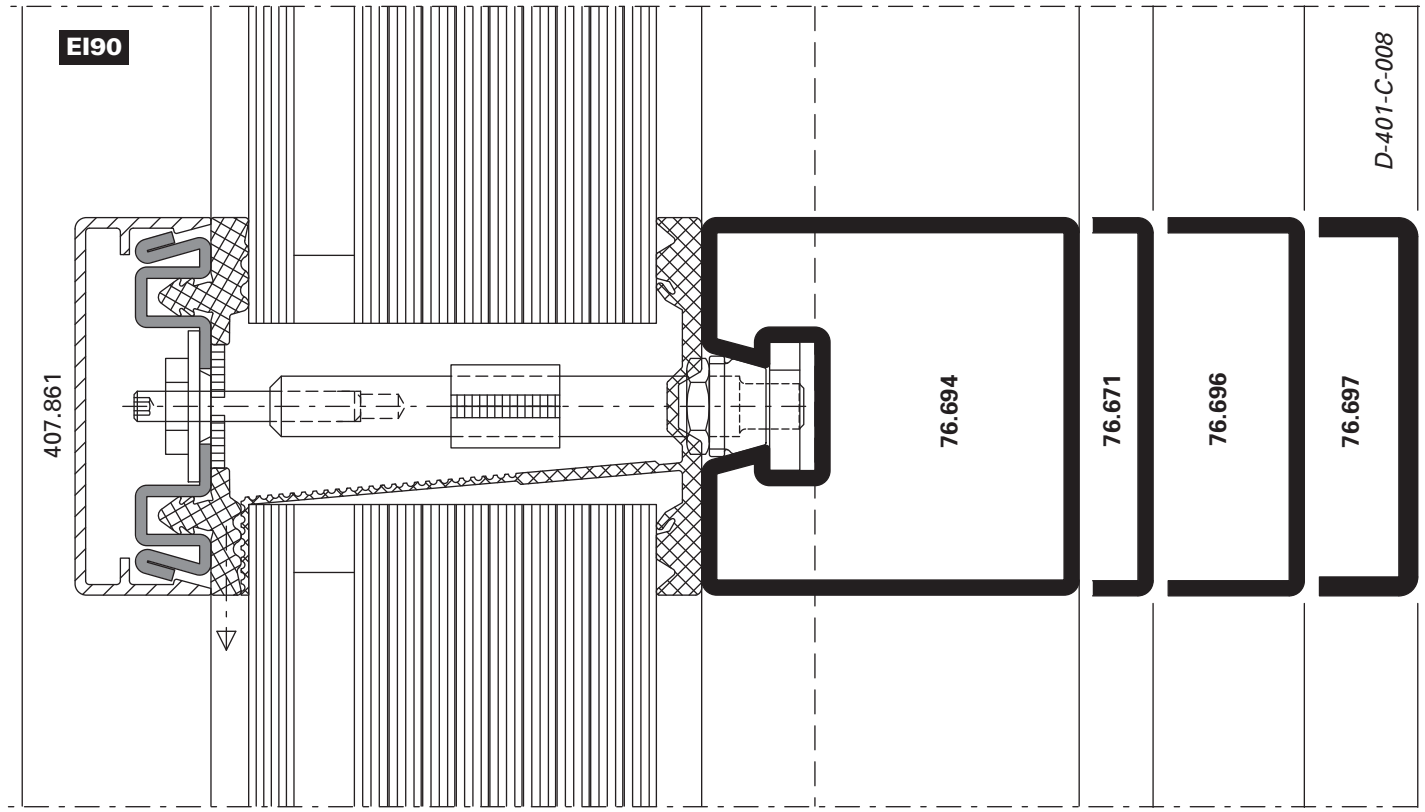
EI60 *D-401-C-015*

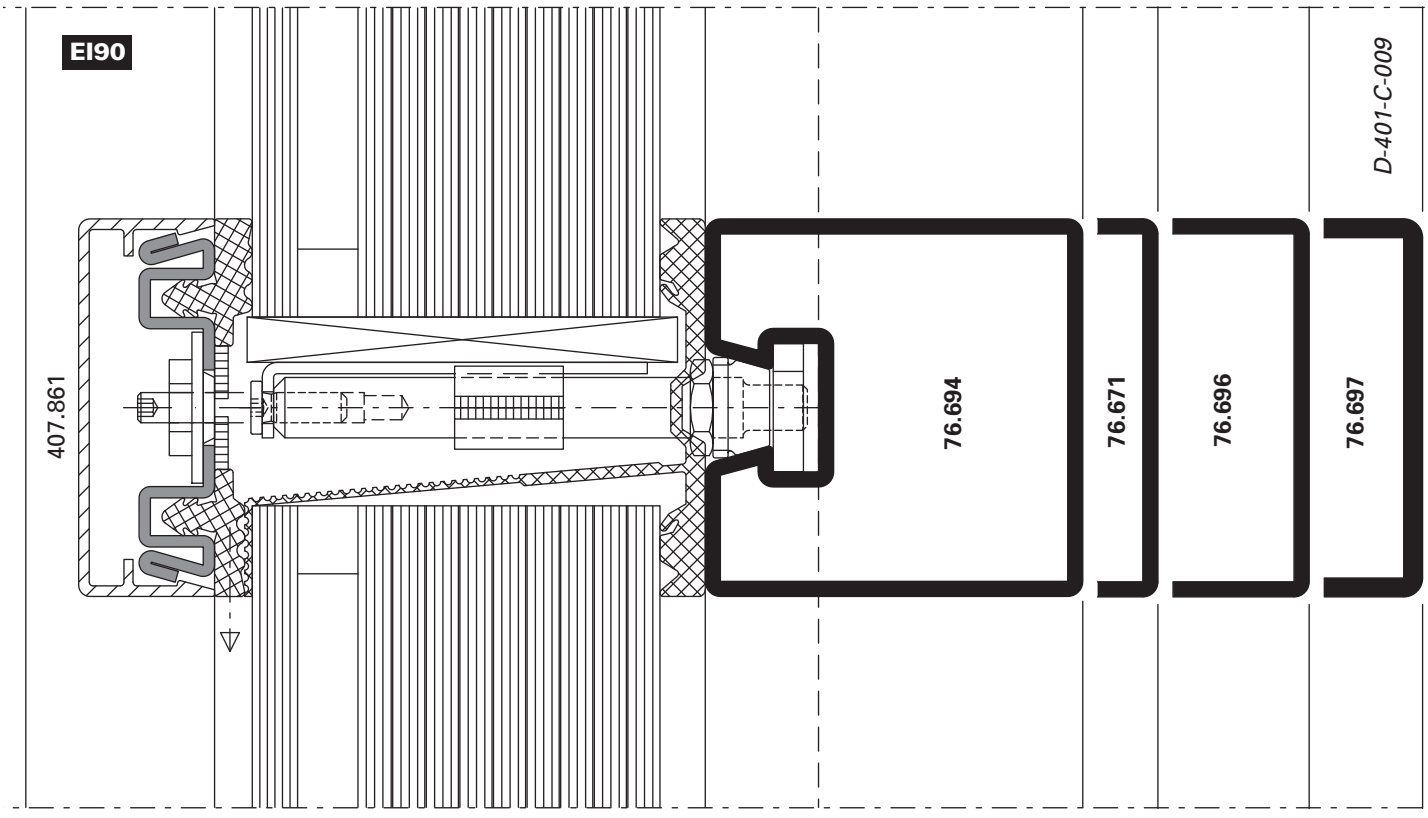
Pfosten-Detail **Détail du montant** **Detail of mullion**



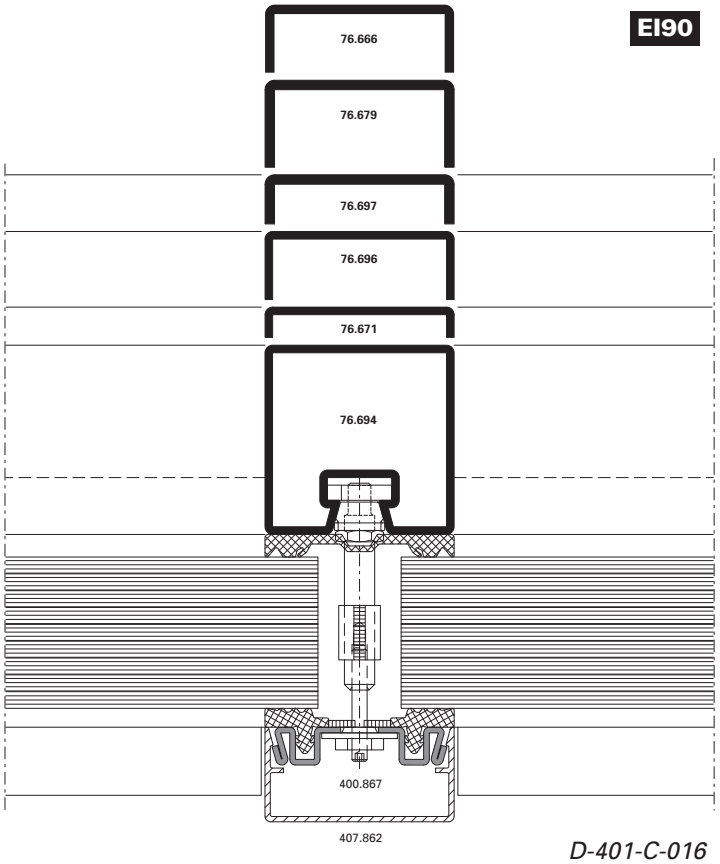
D-401-C-007

Riegel-Detail **Détail de la traverse** **Detail of transom**



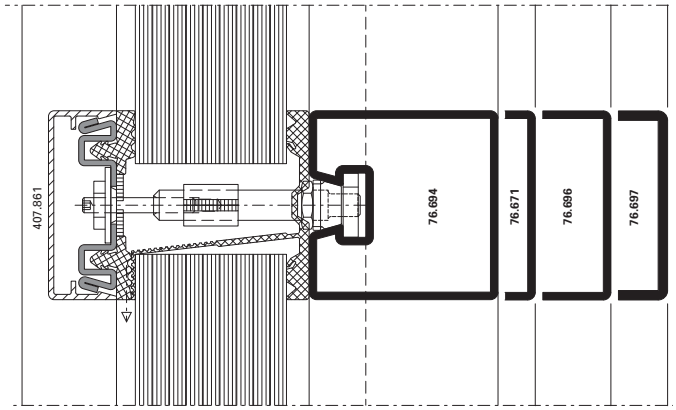


Pfosten-Detail **Détail du montant** **Detail of mullion**



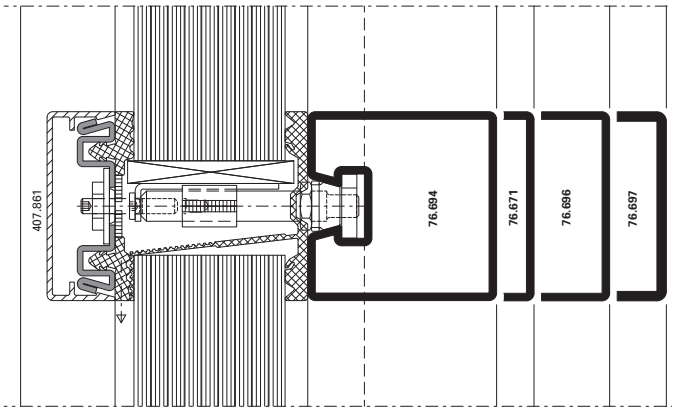
D-401-C-016

Riegel-Detail **Détail de la traverse** **Detail of transom**



EI90

D-401-C-017

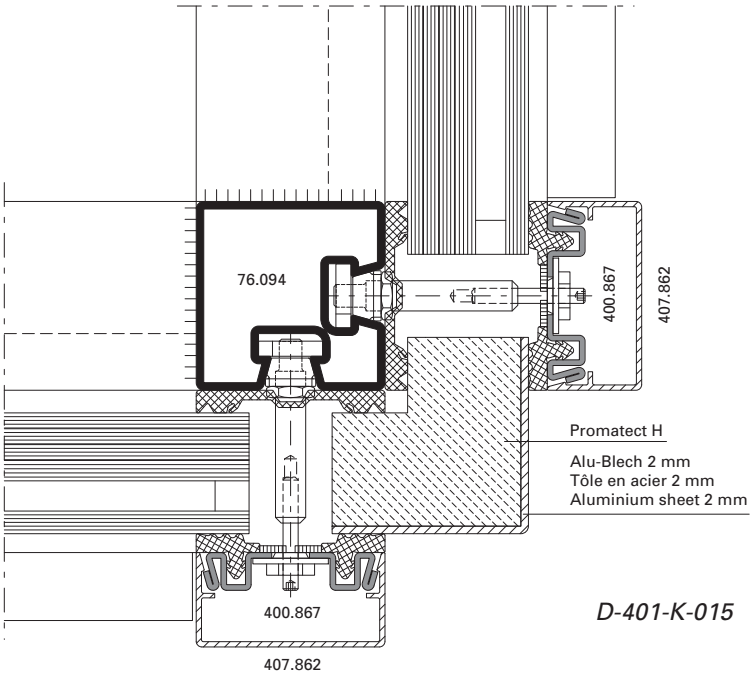


EI90

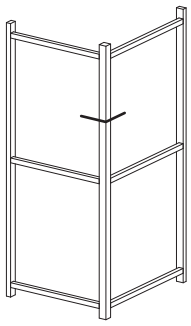
D-401-C-018

Eckausbildung 90° **Formation d'angle 90°** **90° corner construction**

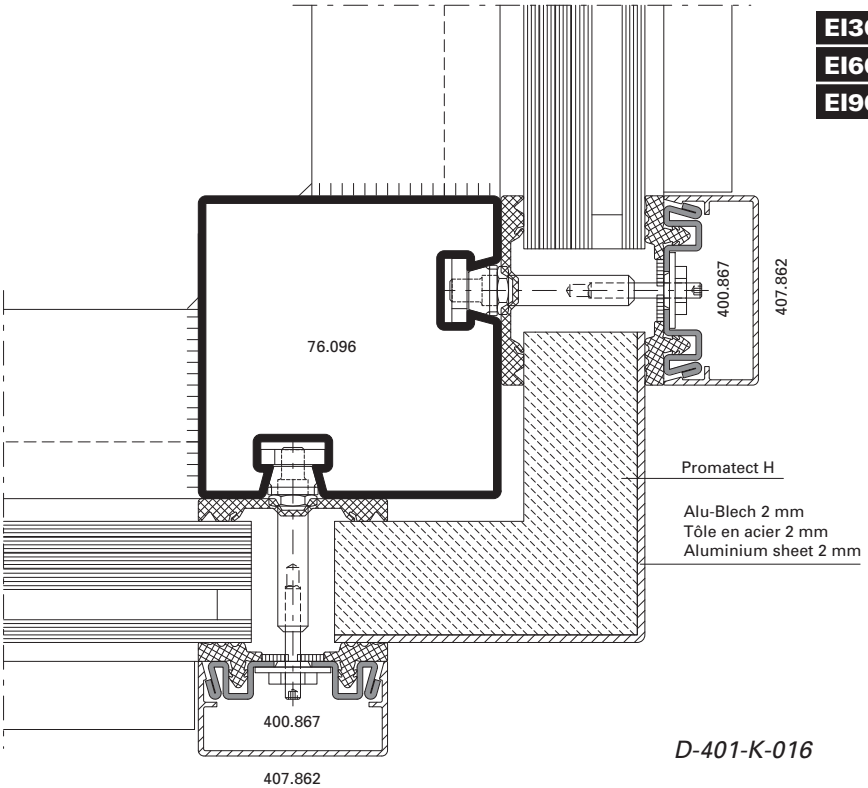
EI30
EI60
EI90



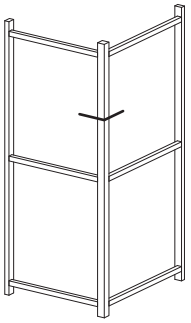
D-401-K-015



EI30
EI60
EI90

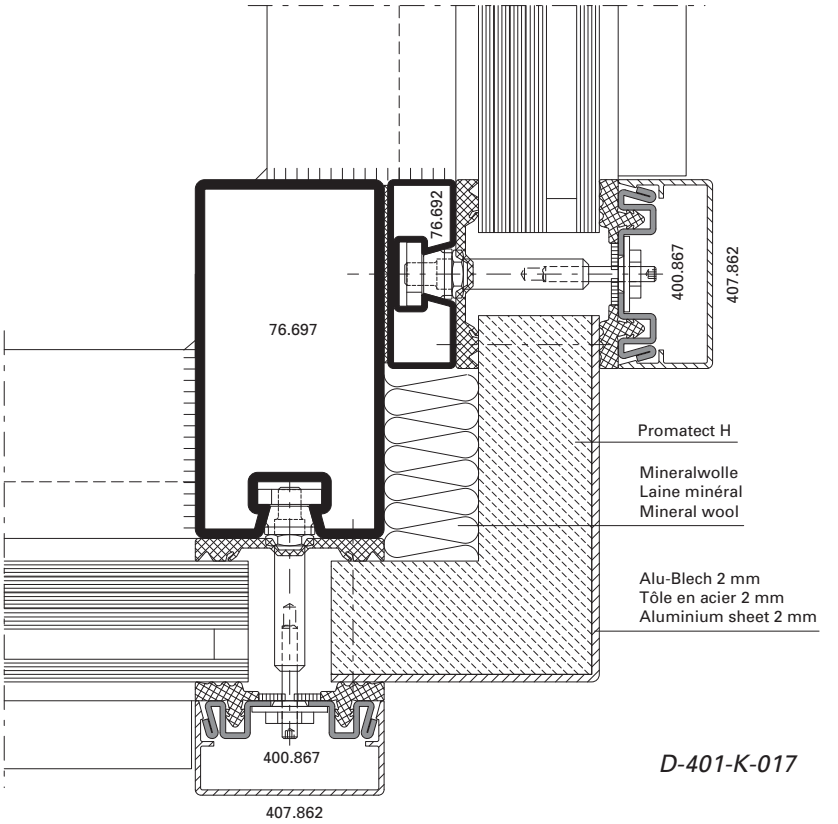


D-401-K-016

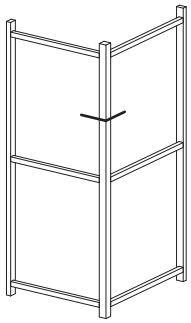


Eckausbildung 90° **Formation d'angle 90°** **90° corner construction**

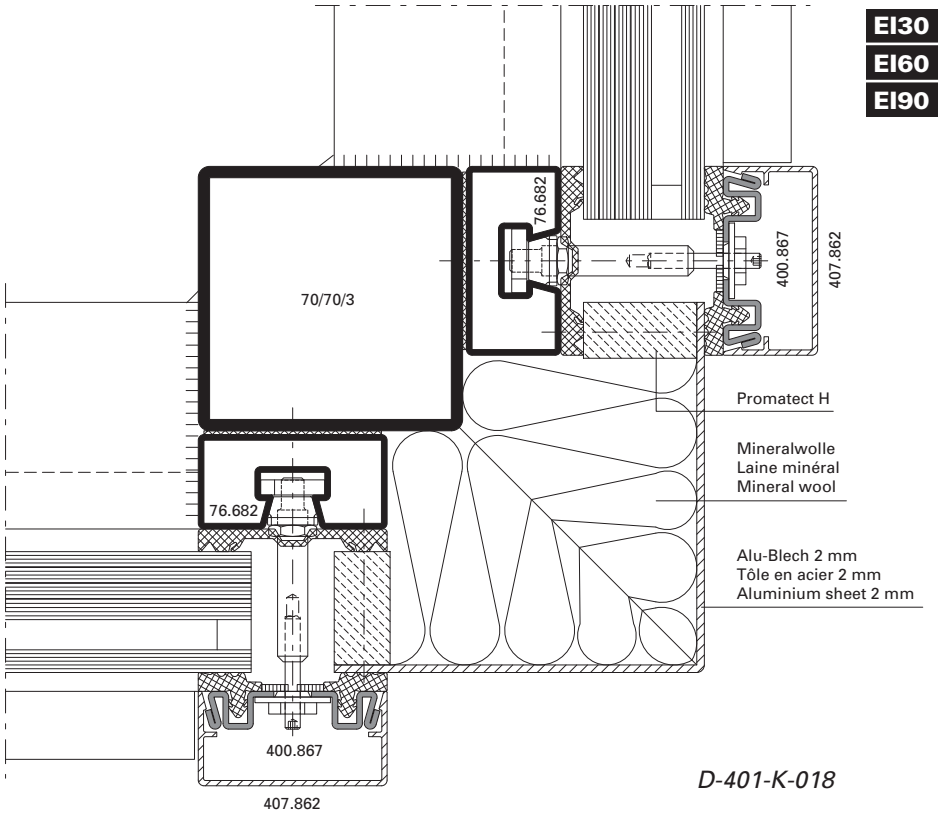
EI30
EI60
EI90



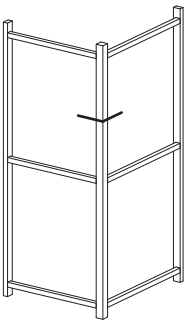
D-401-K-017



EI30
EI60
EI90

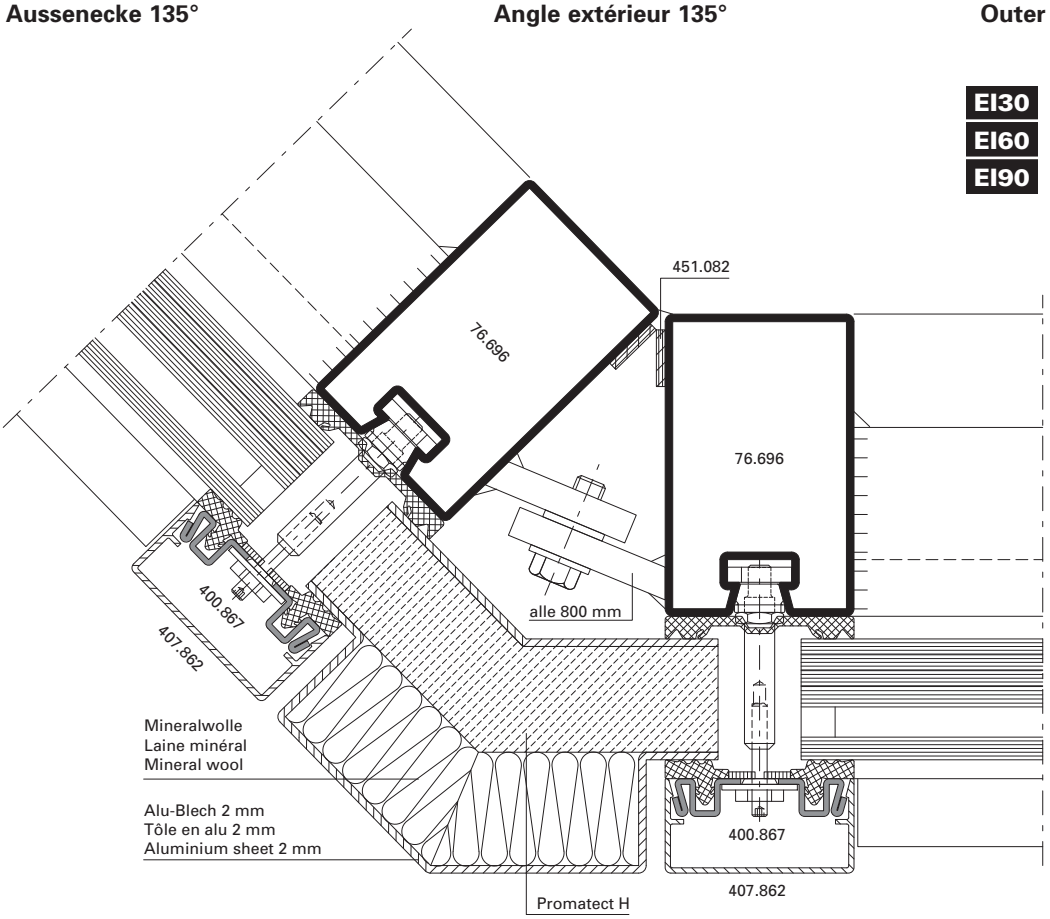


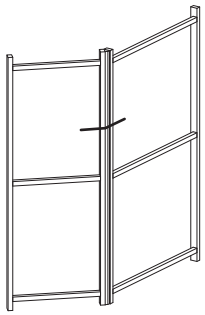
D-401-K-018



Aussenecke 135° **Angle extérieur 135°** **Outer corner 135°**

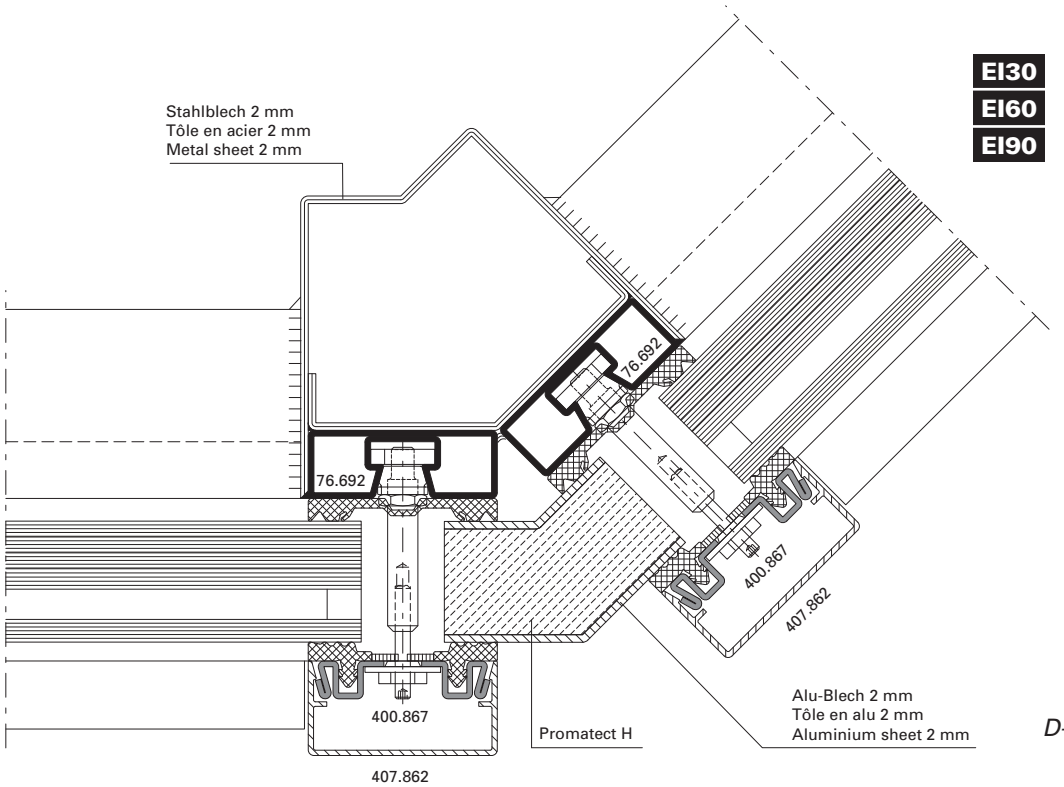
EI30
EI60
EI90

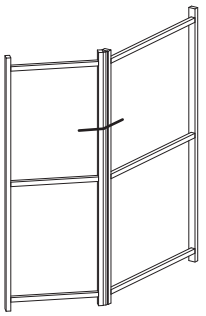




D-401-K-005

EI30
EI60
EI90



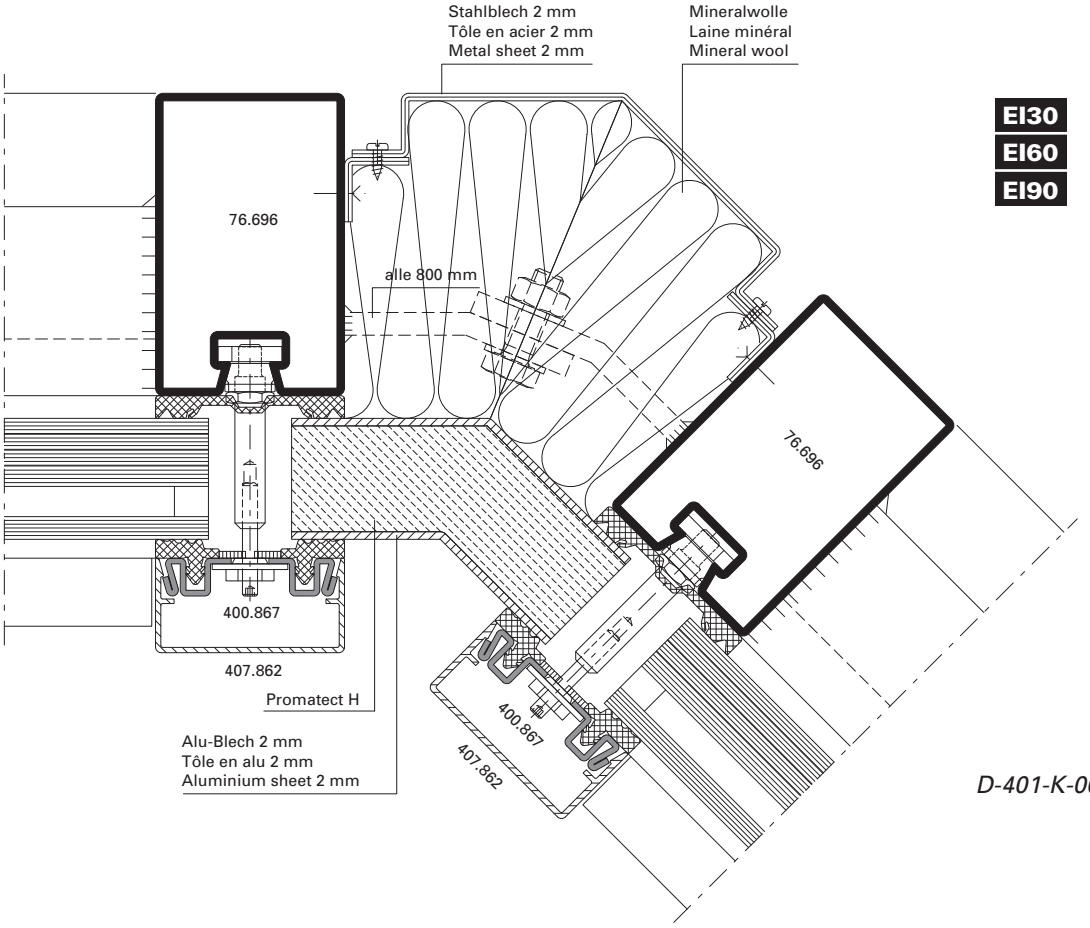


D-401-K-008

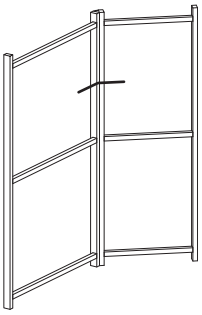
Innenecke 135°

Angle intérieur 135°

Inner corner 135°

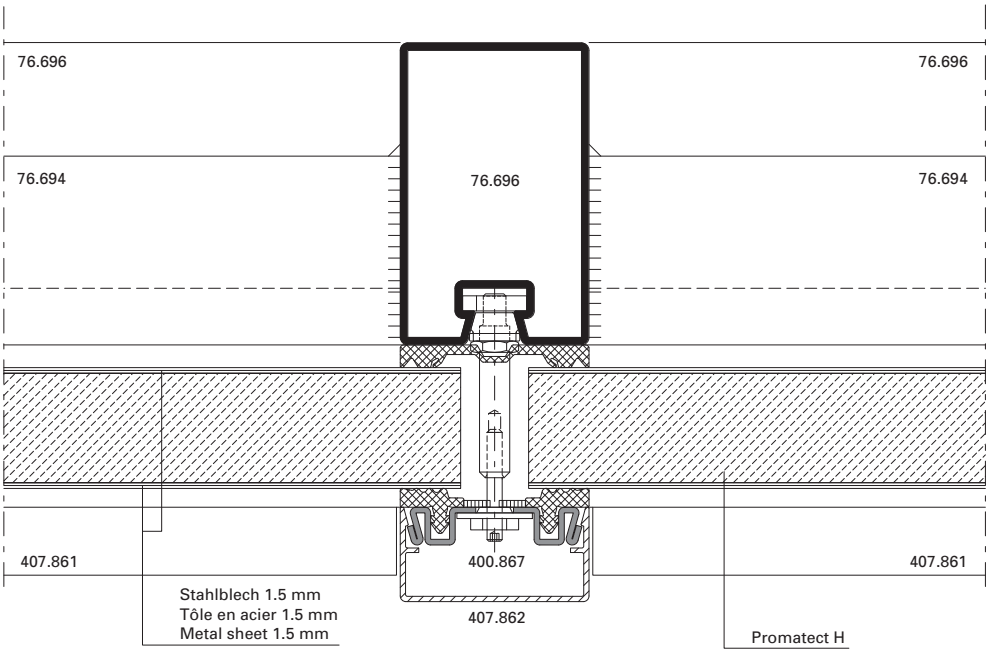


EI30
EI60
EI90

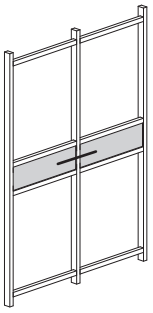


D-401-K-007

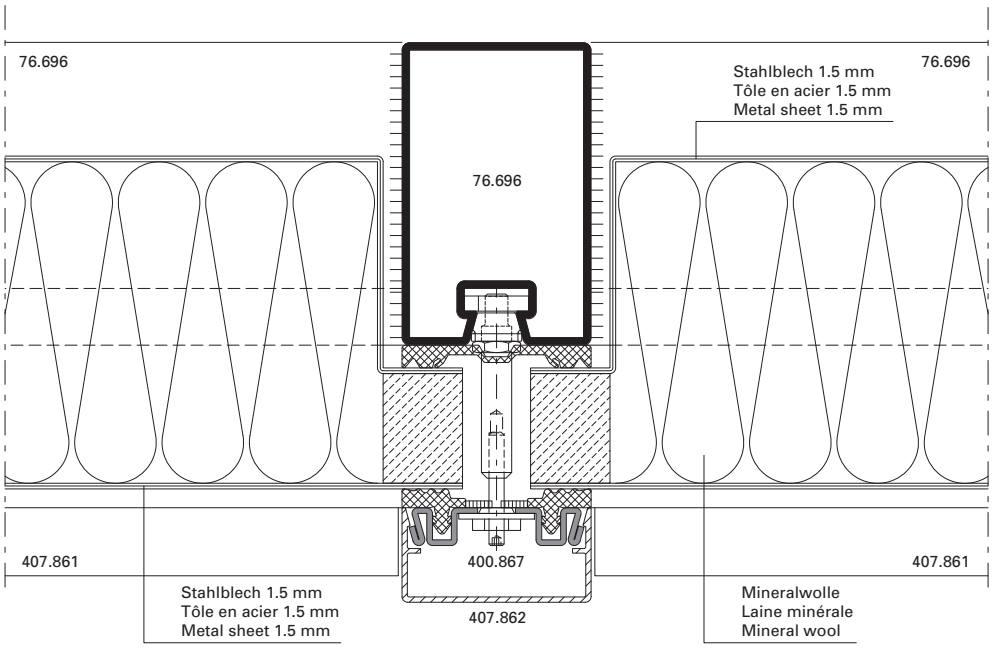
Paneel-Ausbildungen **Agencements de panneau** **Panel designs**



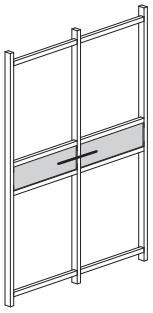
EI30
EI60
EI90



D-401-K-001

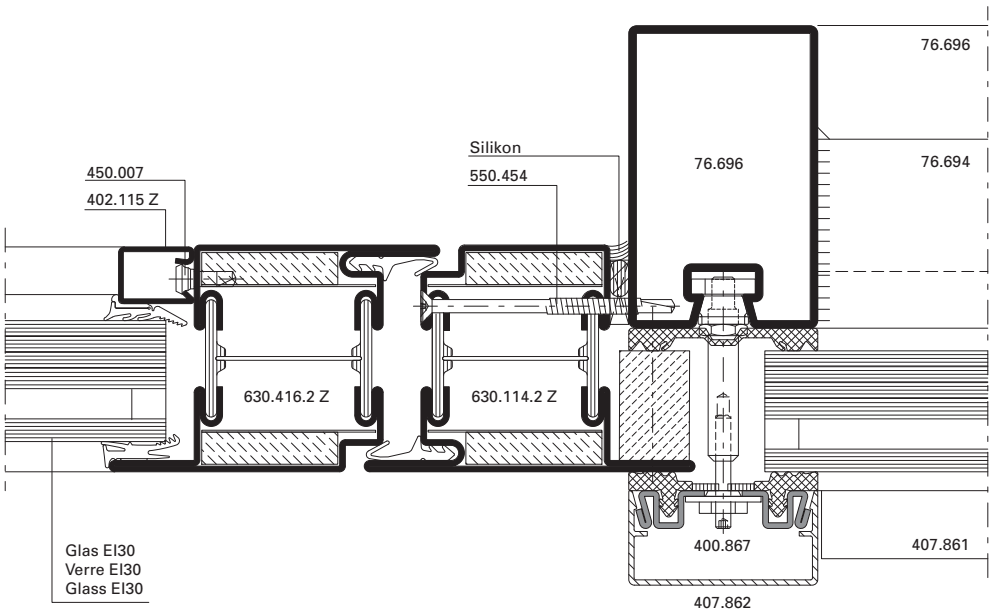


EI30
EI60
EI90

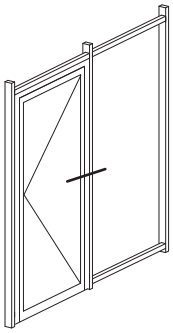


D-401-K-002

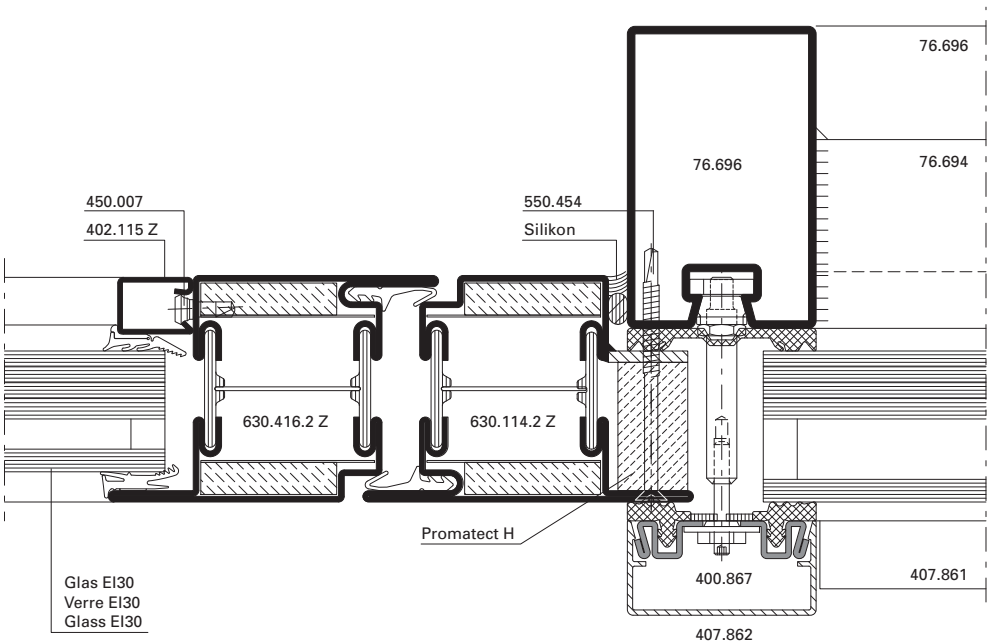
Einsatzelemente Türen — Eléments de remplissage portes — Infill elements doors



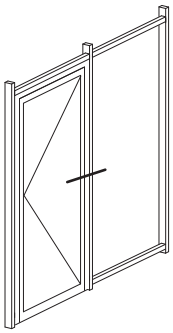
EI30



D-401-K-011

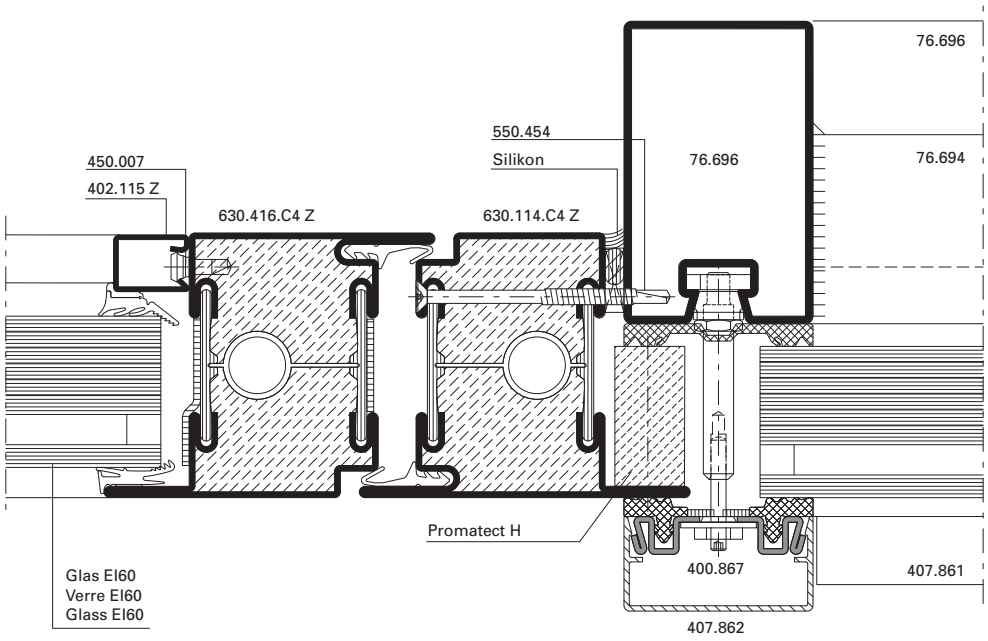


EI30

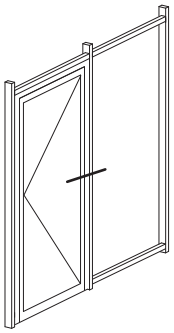


D-401-K-013

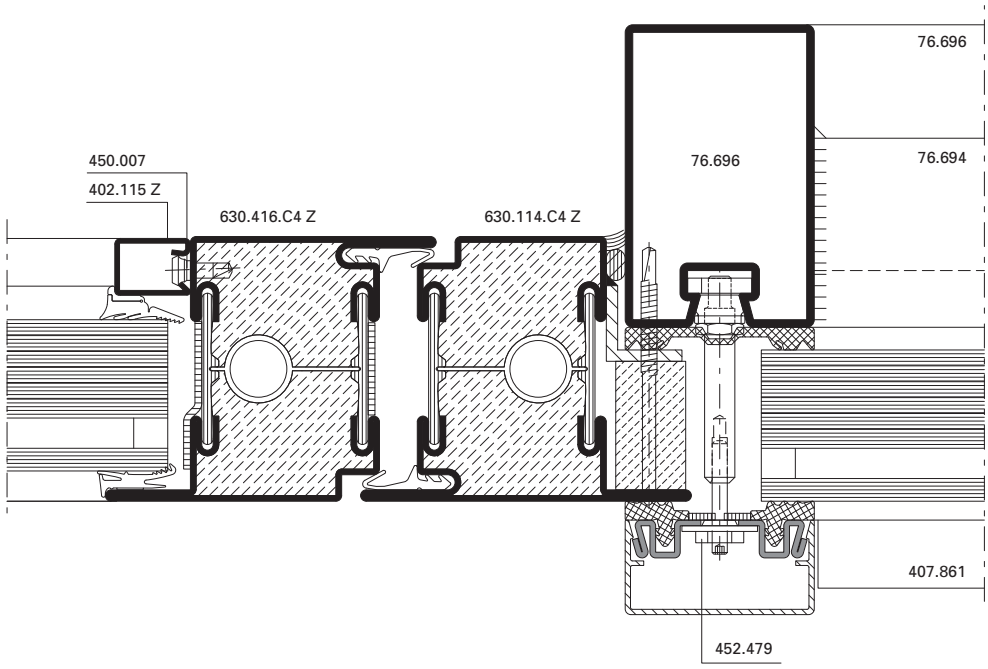
Einsatzelemente Türen | **Eléments de remplissage portes** | **Infill elements doors**



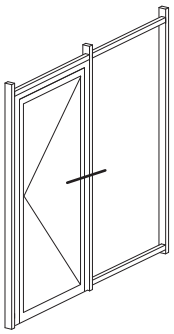
EI60
EI90



D-401-K-012

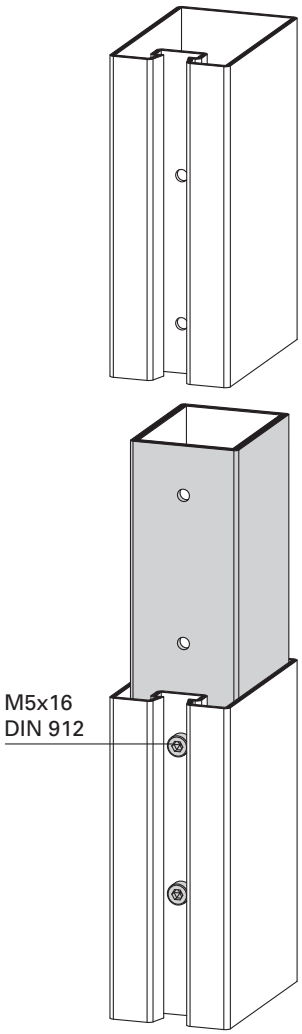


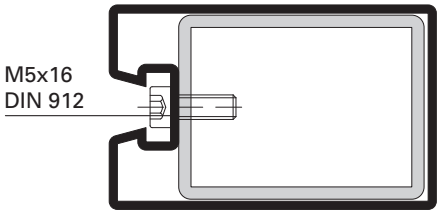
EI60
EI90



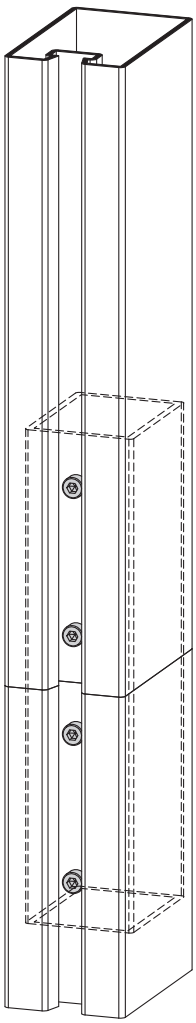
D-401-K-014

Pfostenstoss



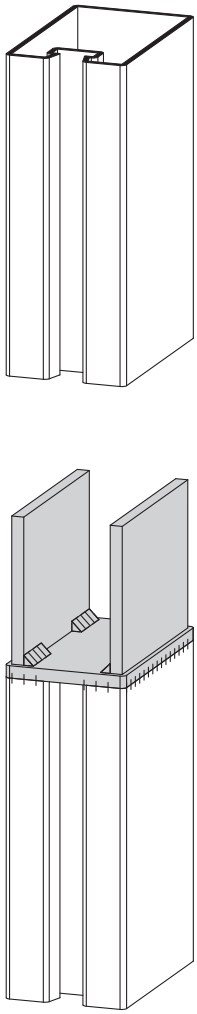


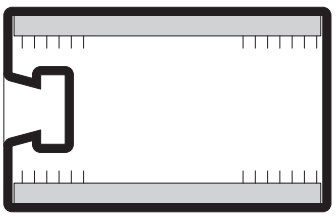
Joint de montant

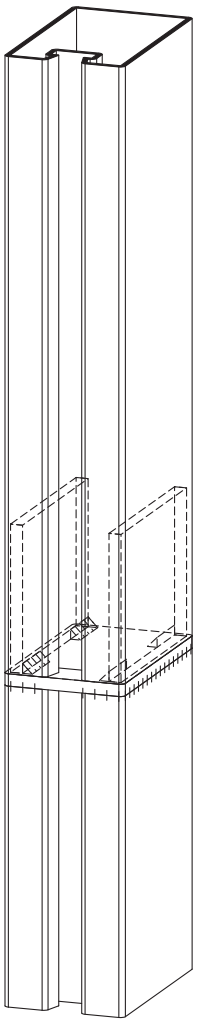


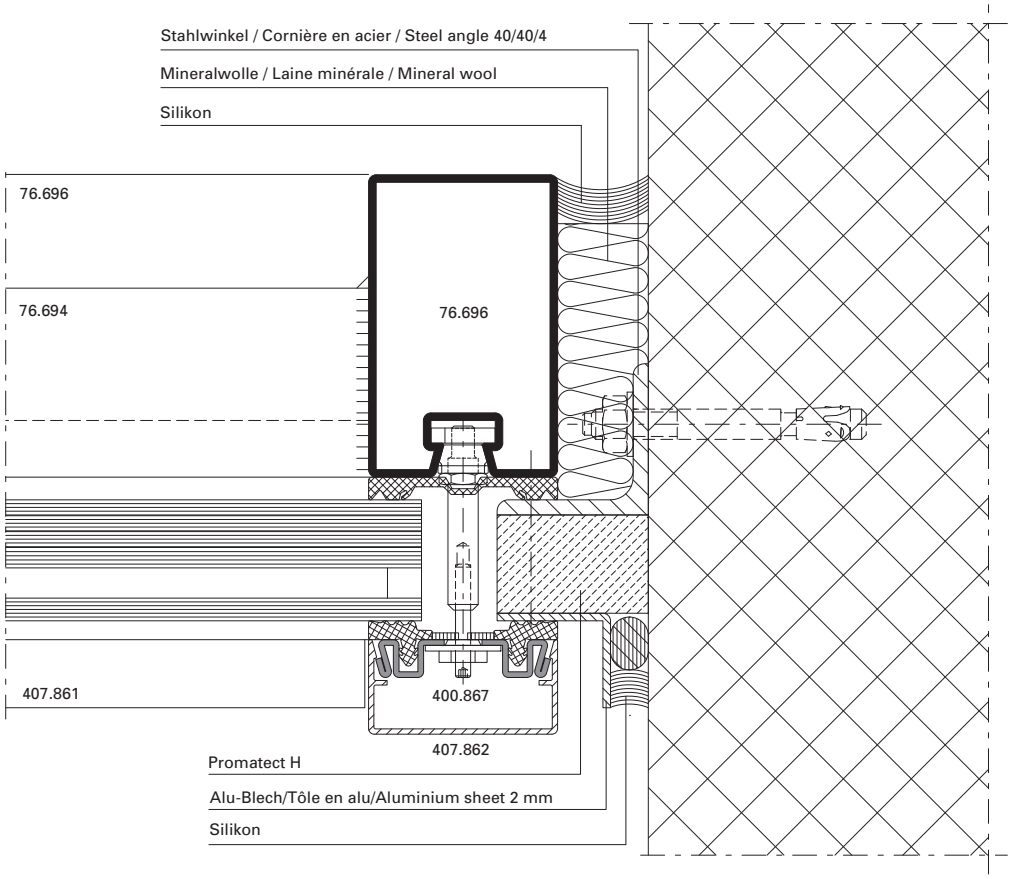
Mullion joint

EI30
EI60
EI90









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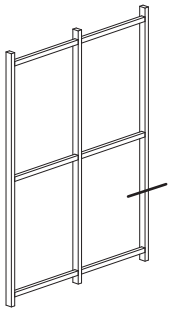

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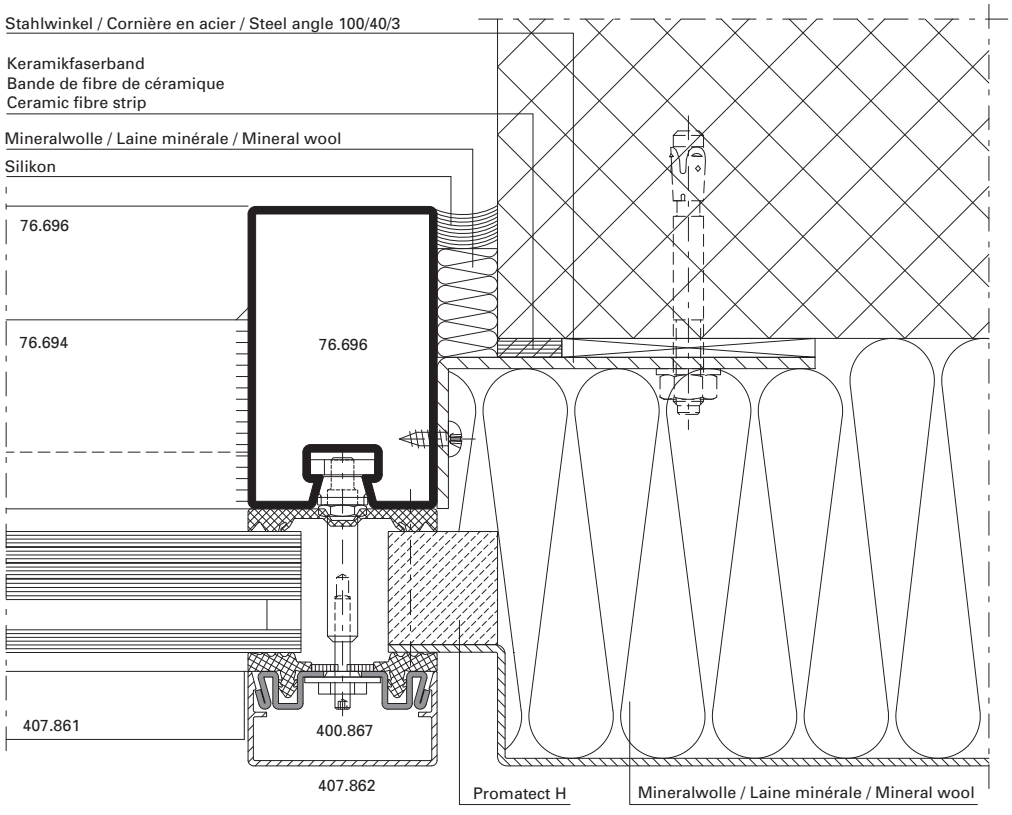

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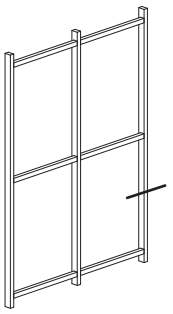

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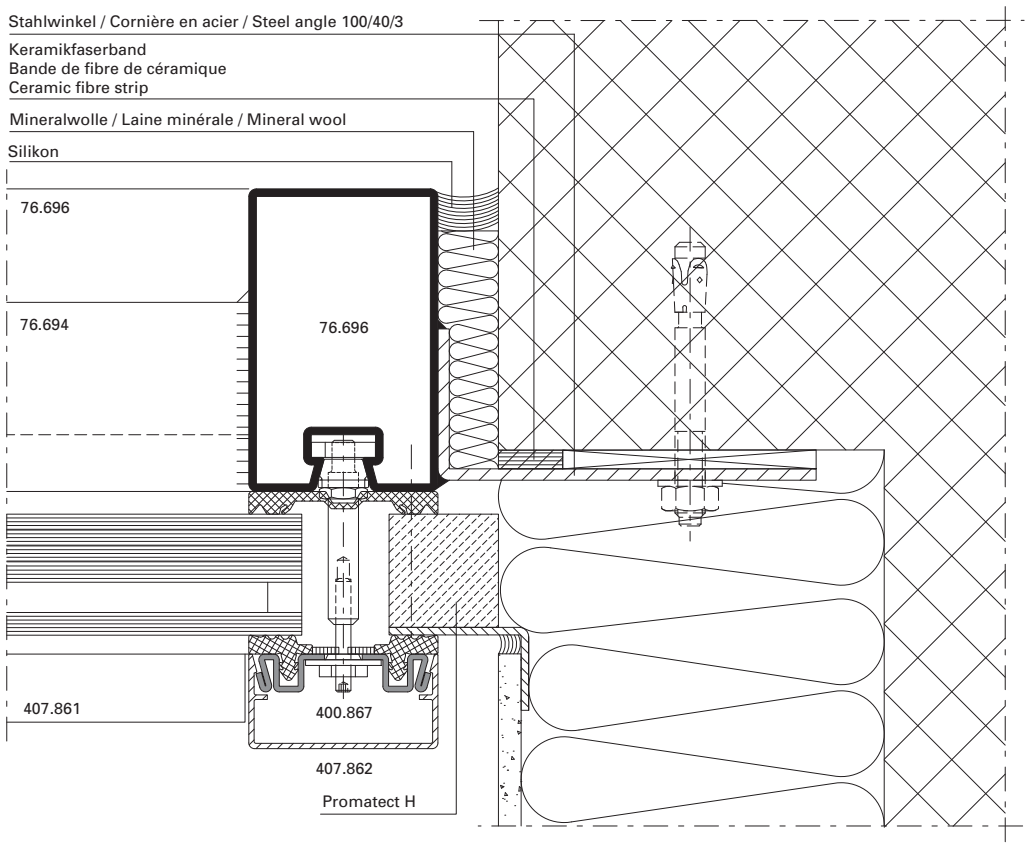

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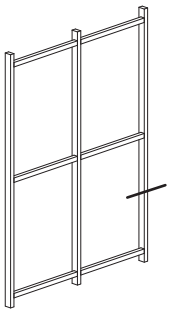

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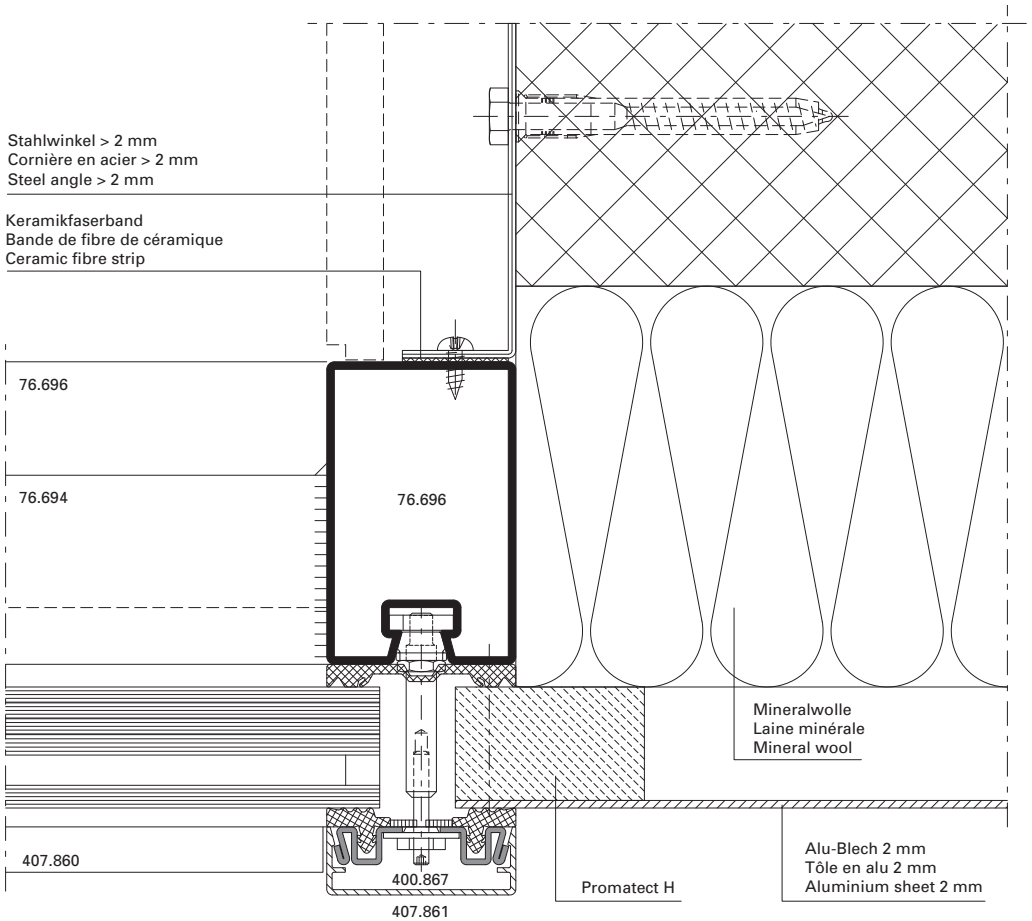

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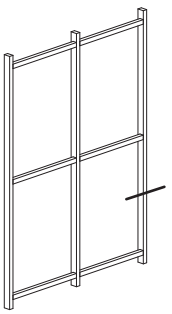

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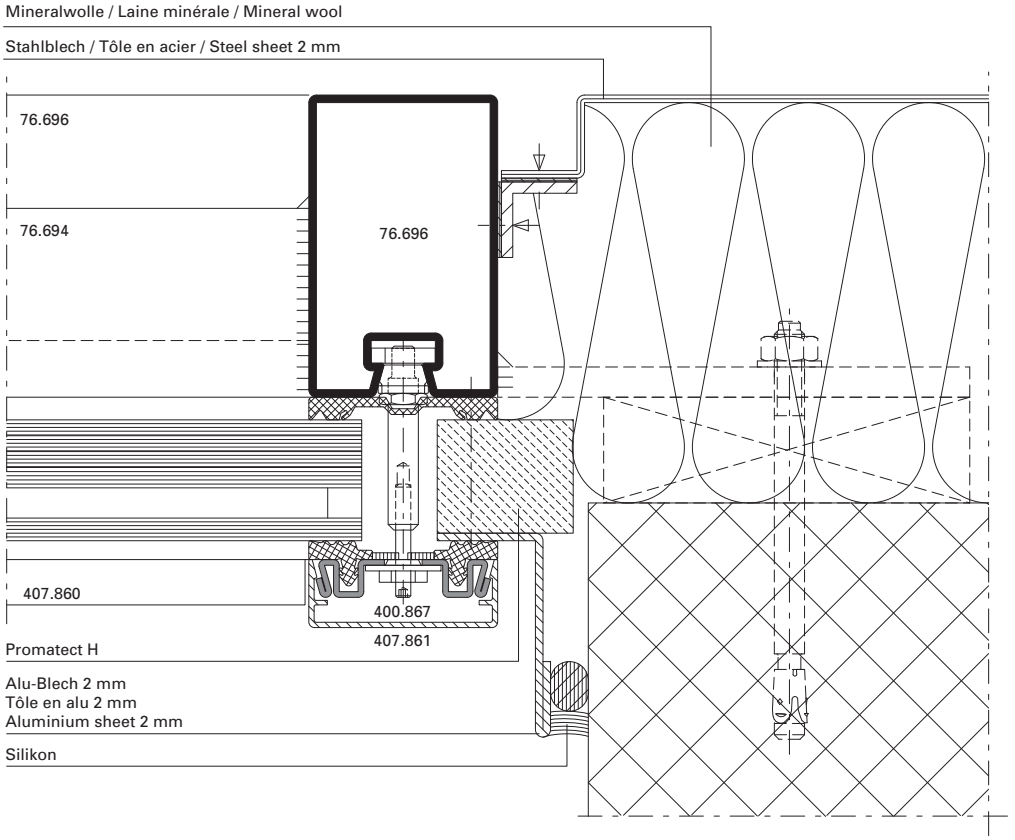

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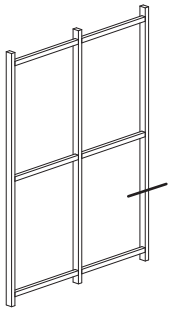

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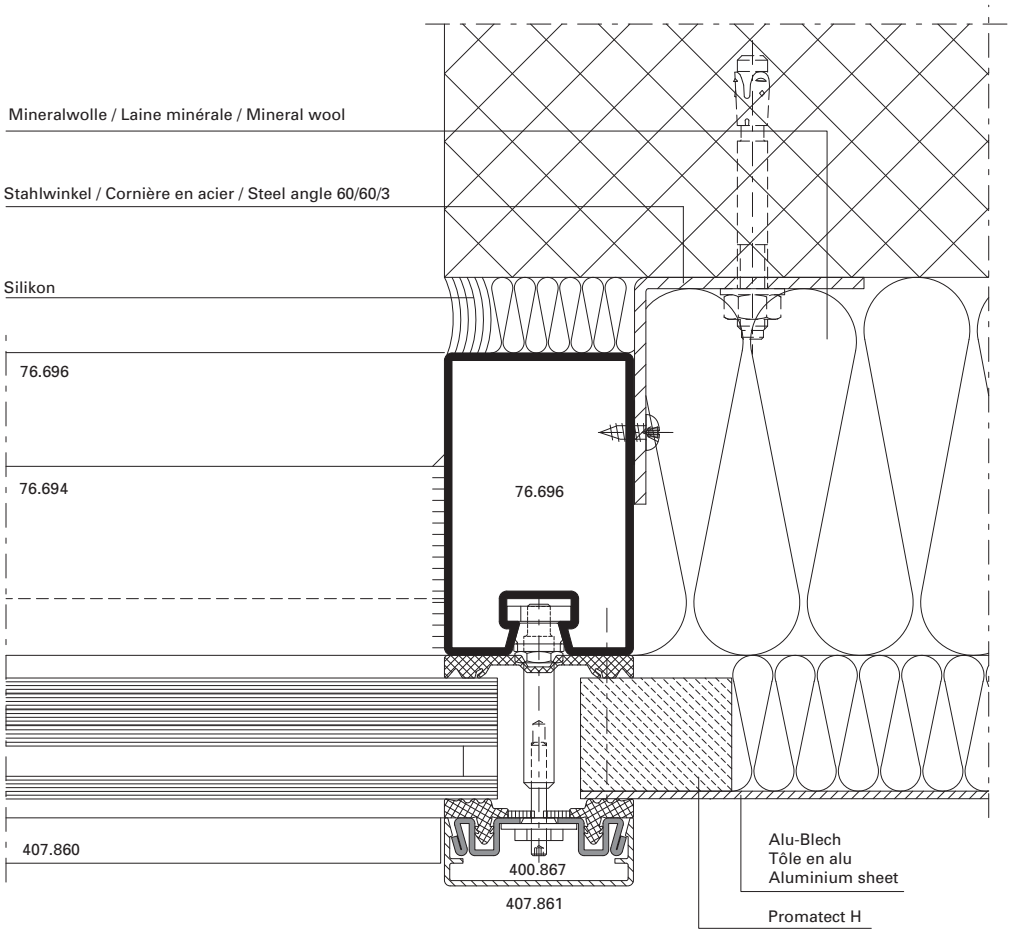

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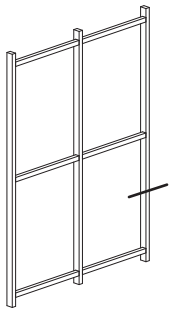

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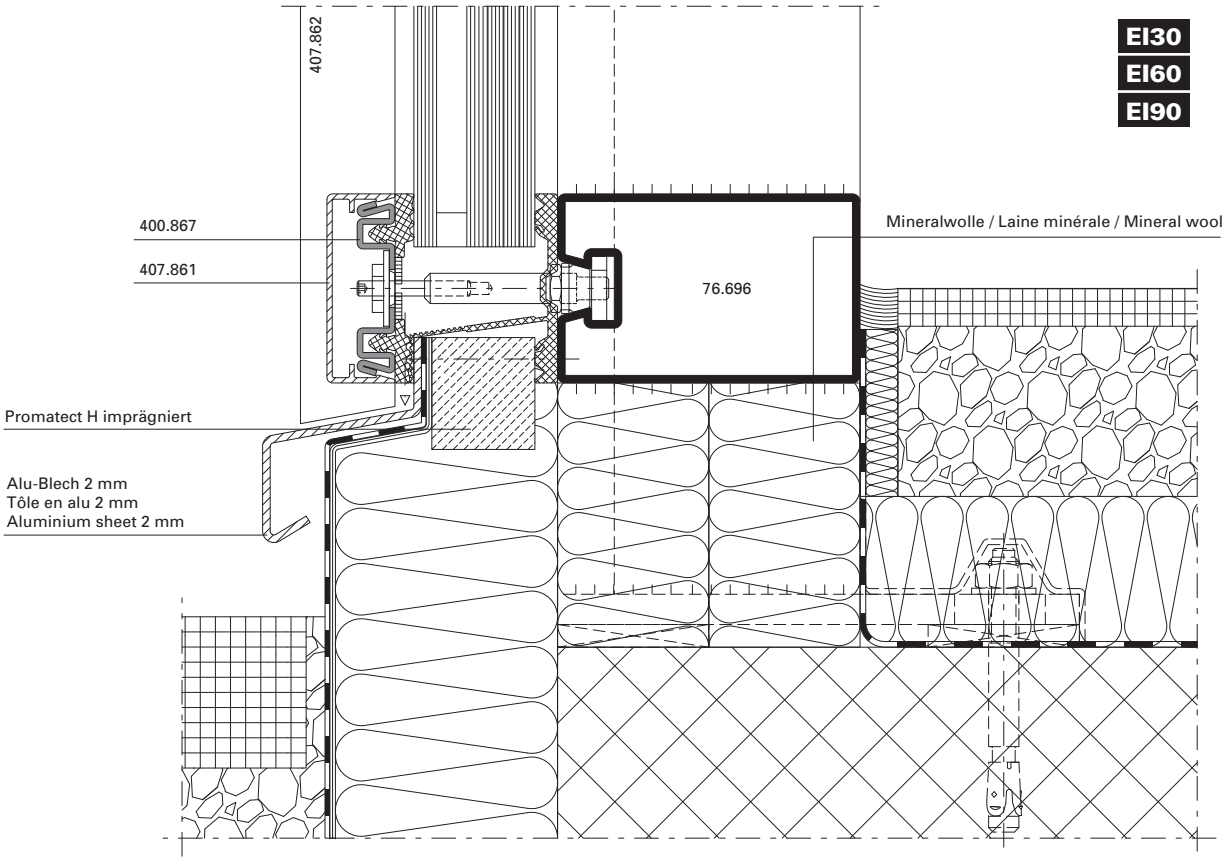

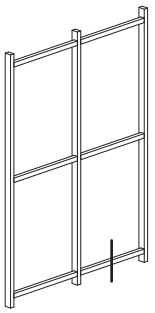

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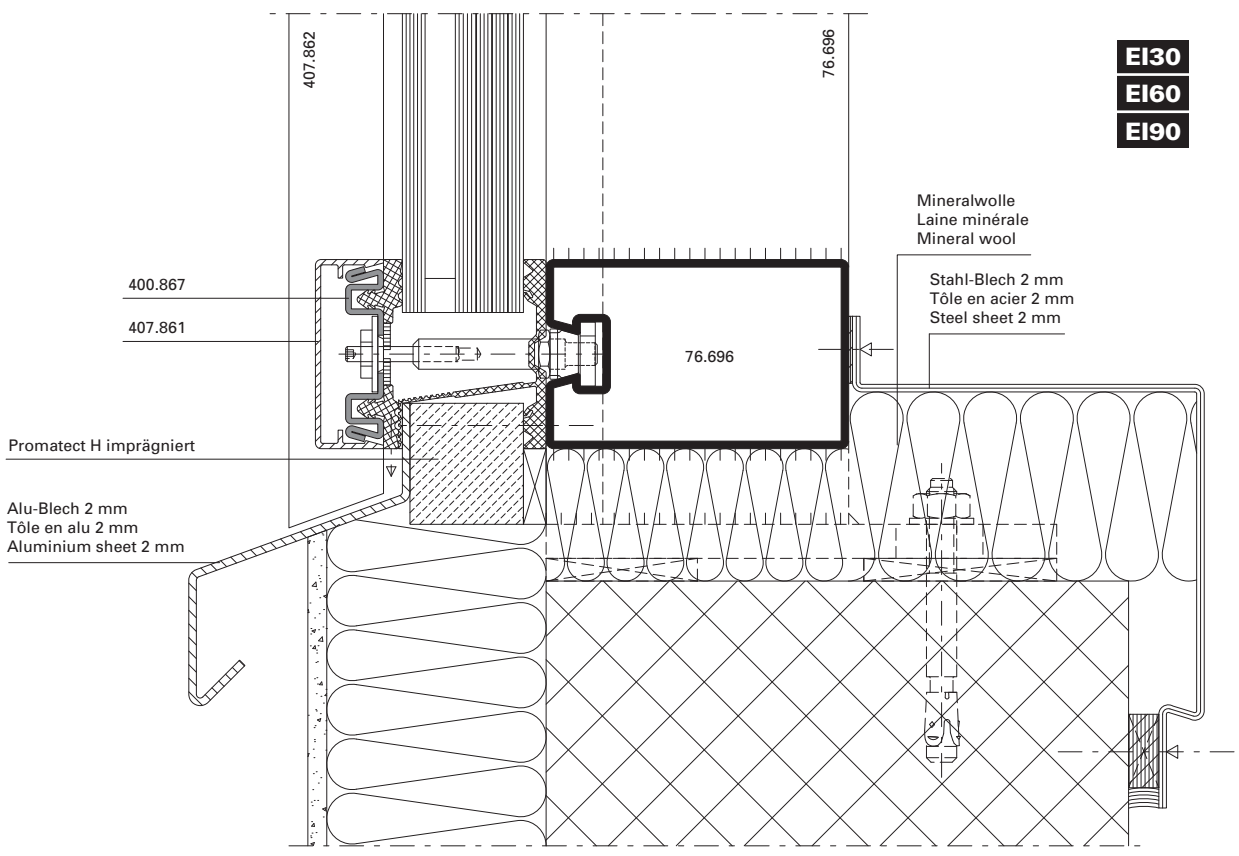

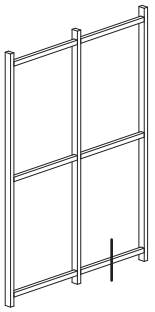

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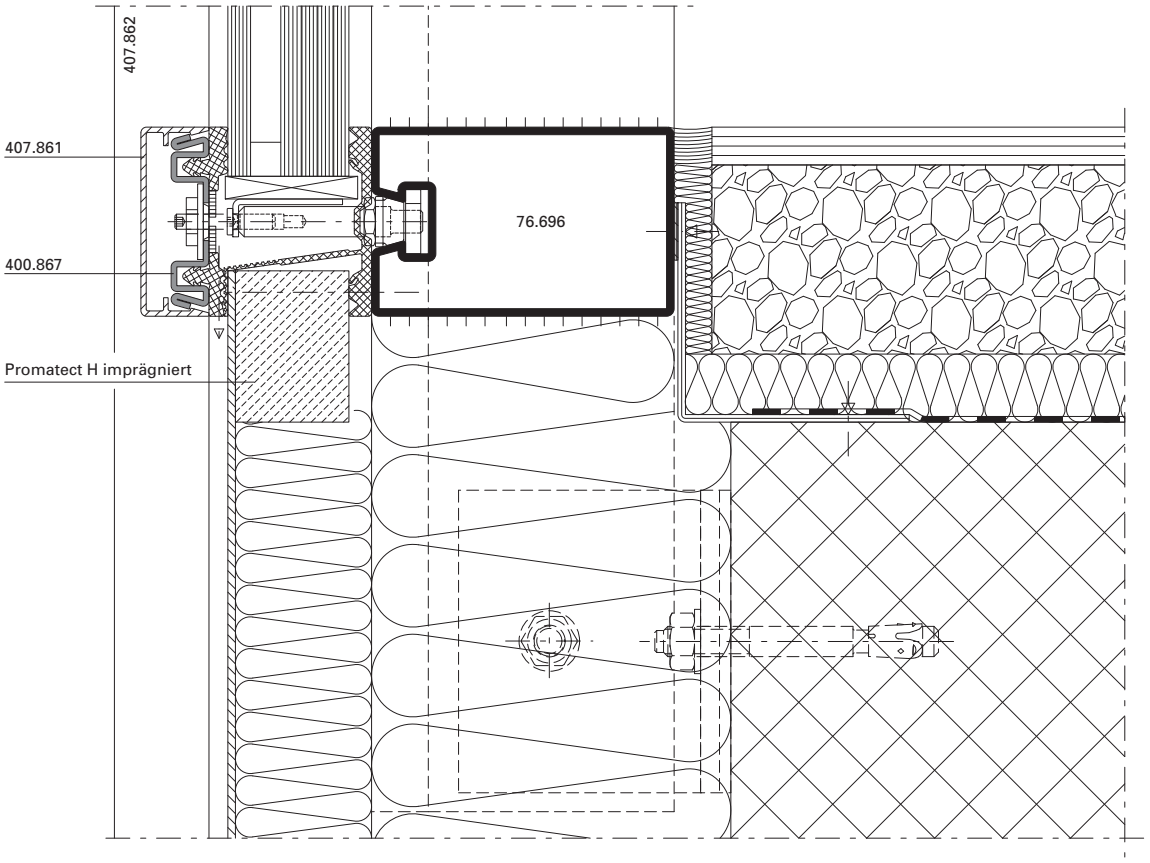

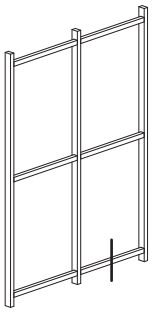

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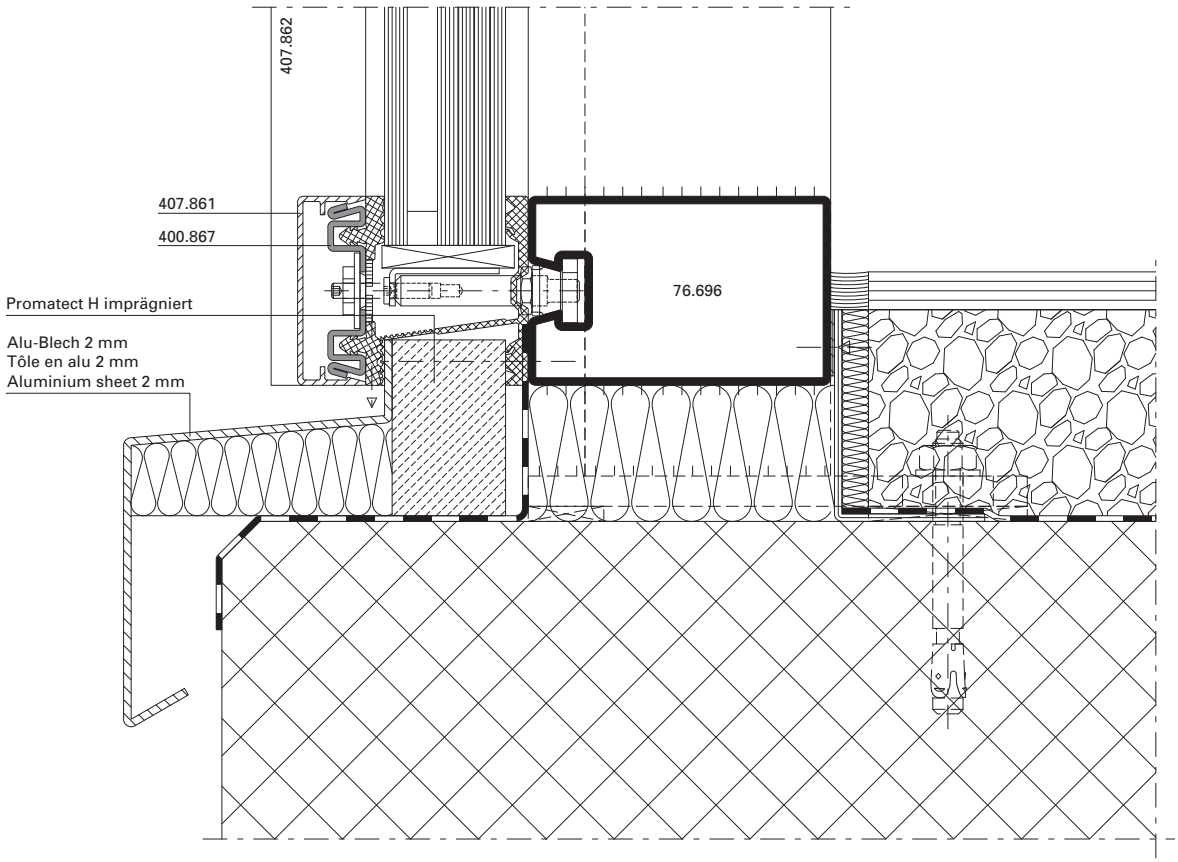

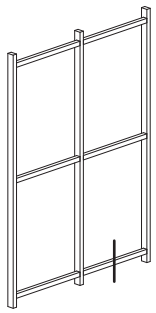

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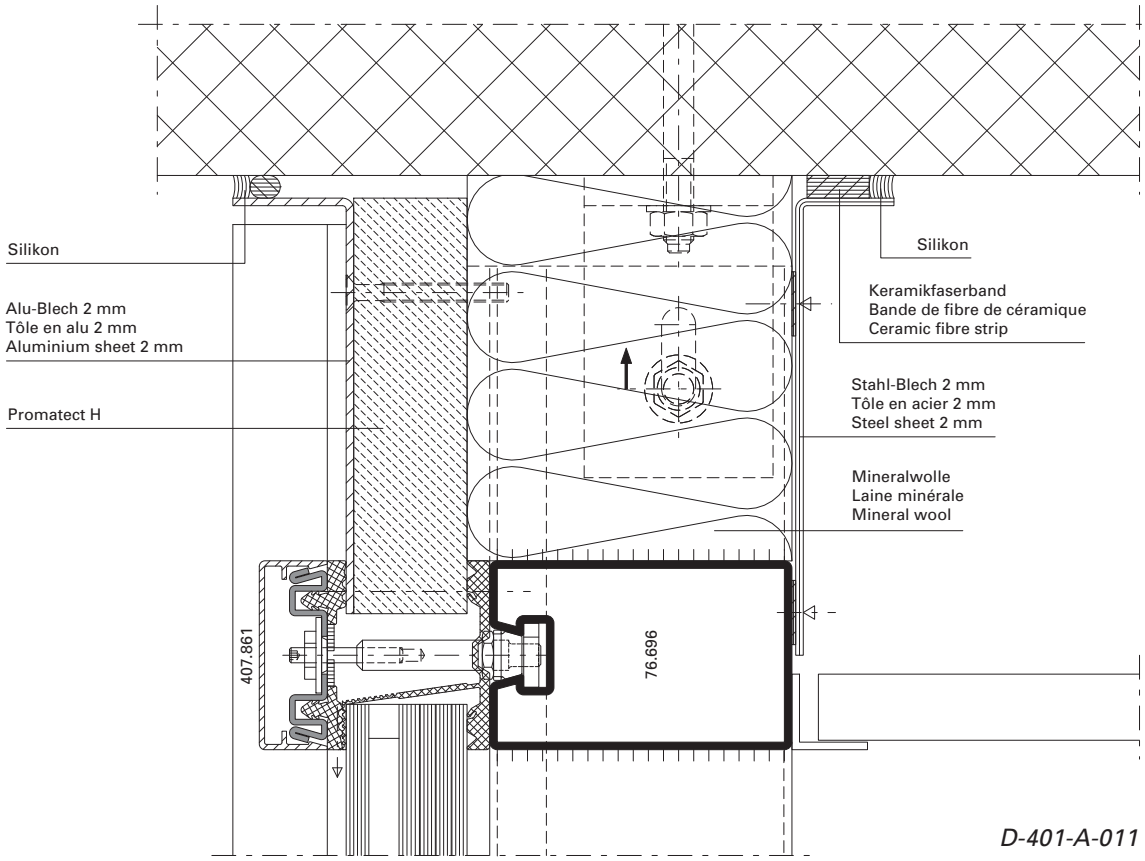

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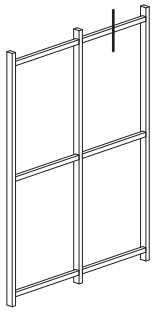

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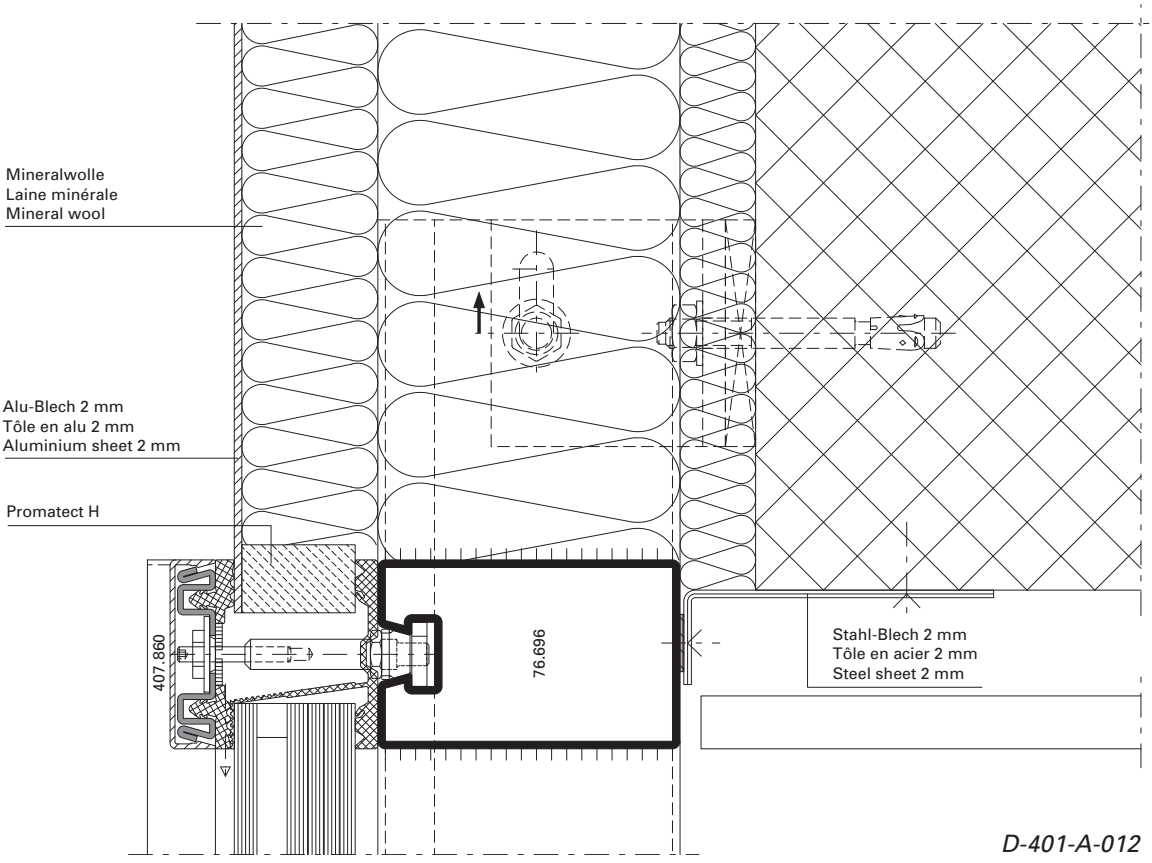

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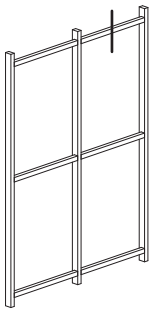

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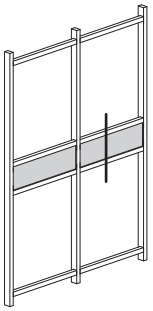

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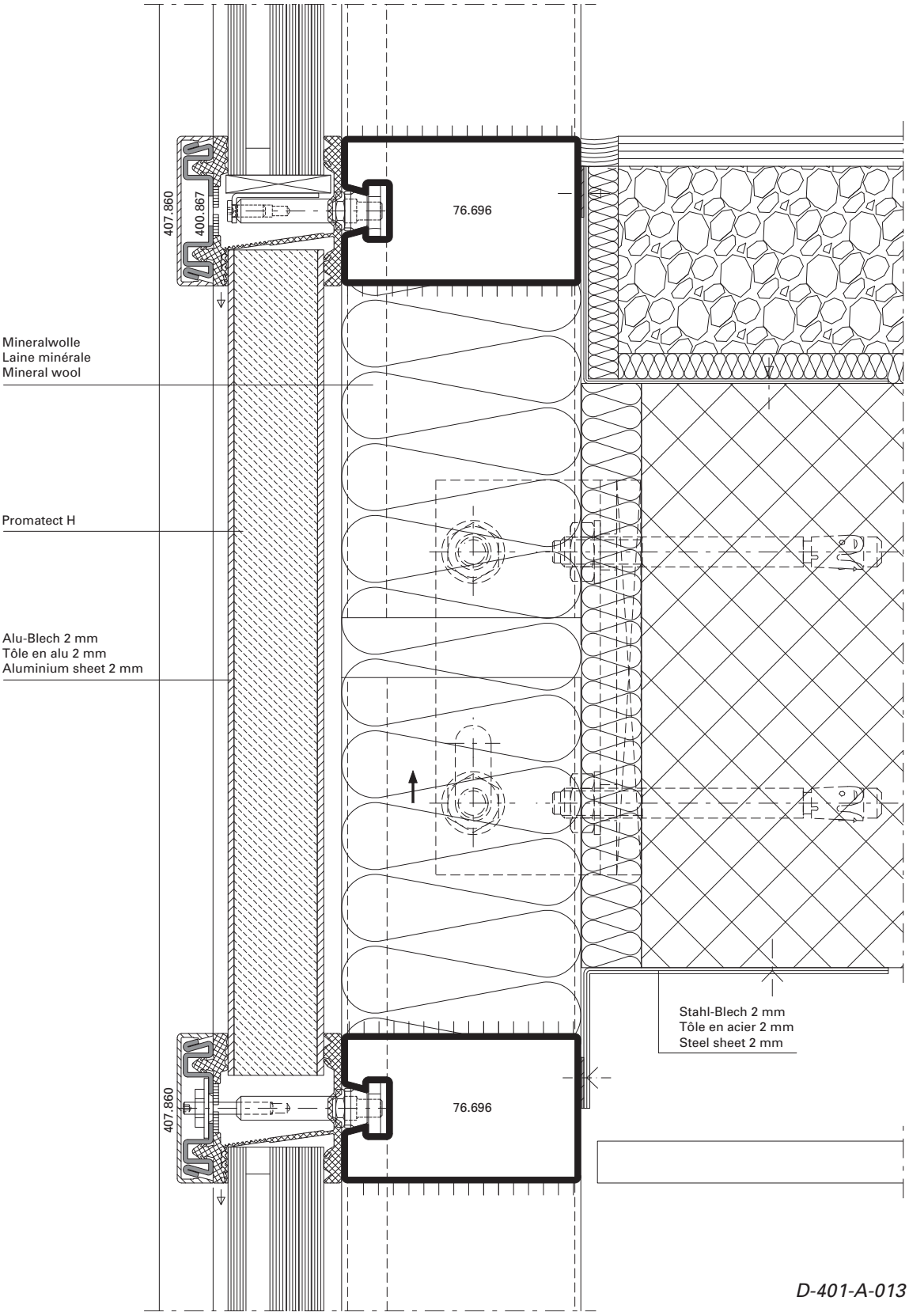

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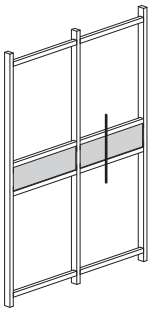

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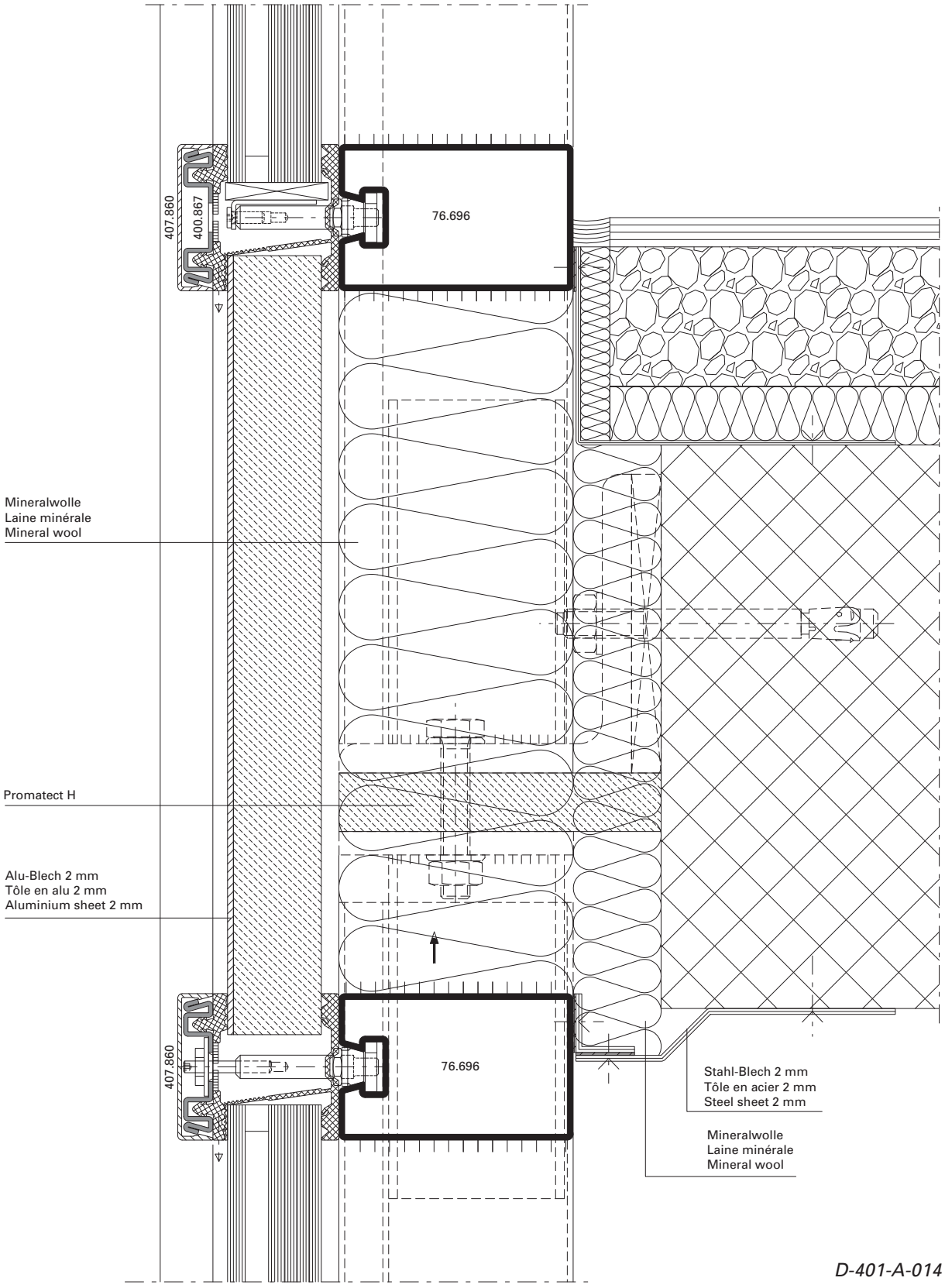

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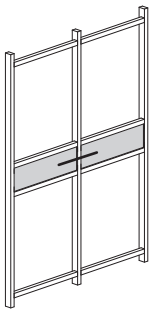

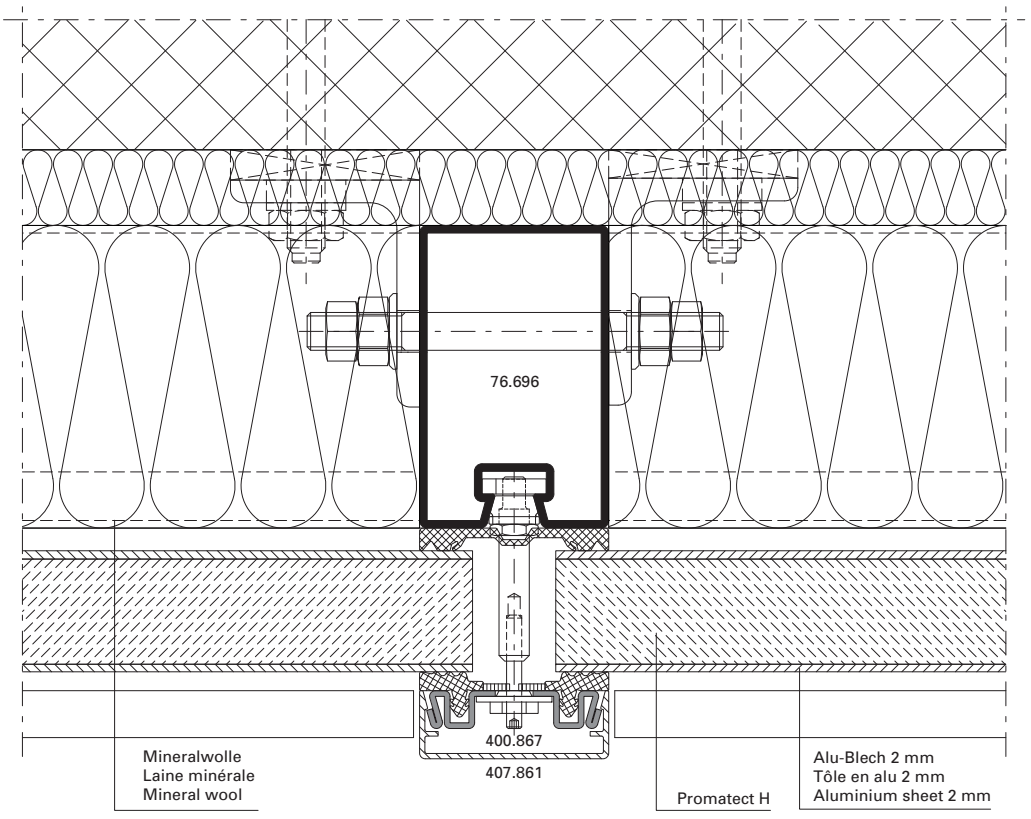

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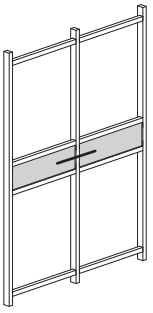

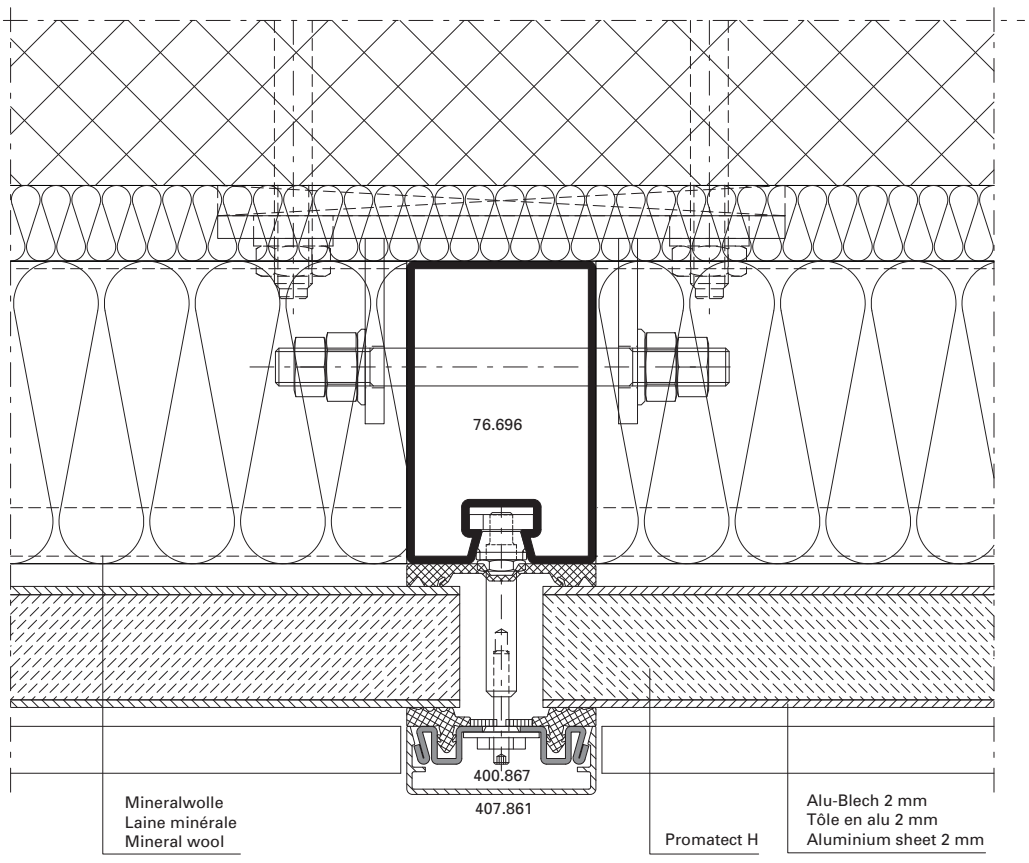

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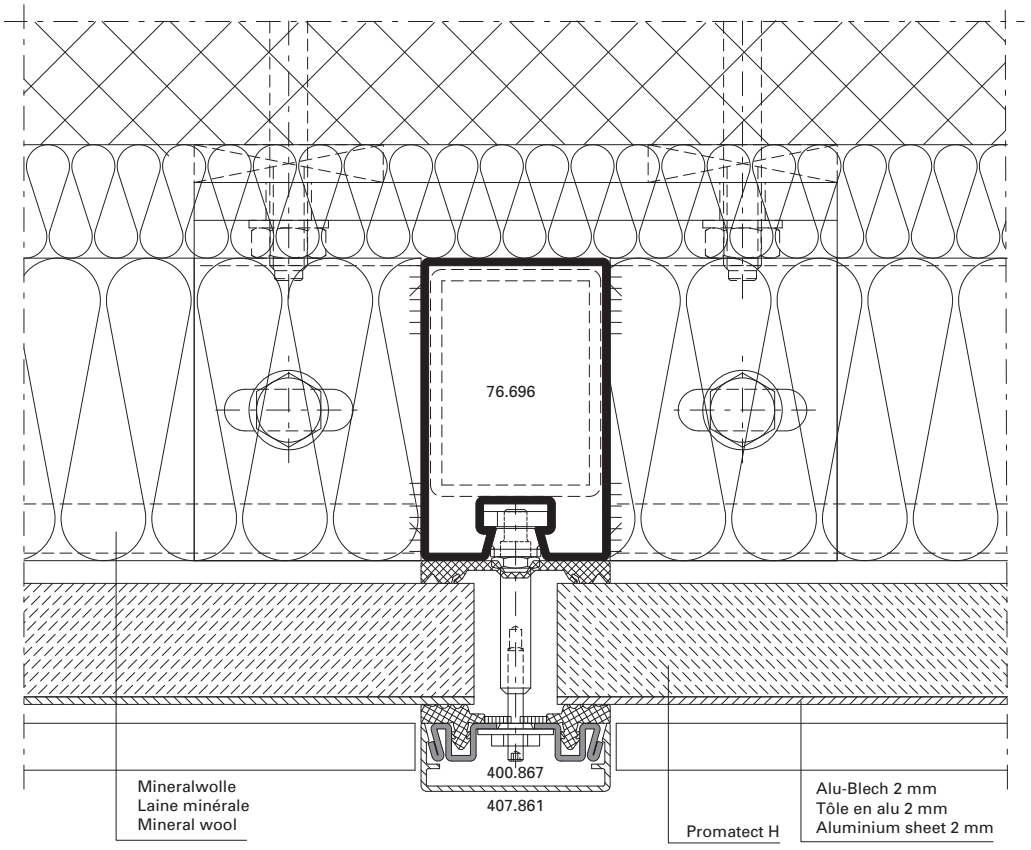

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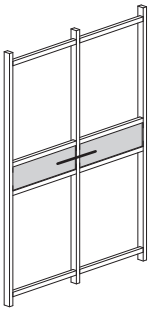

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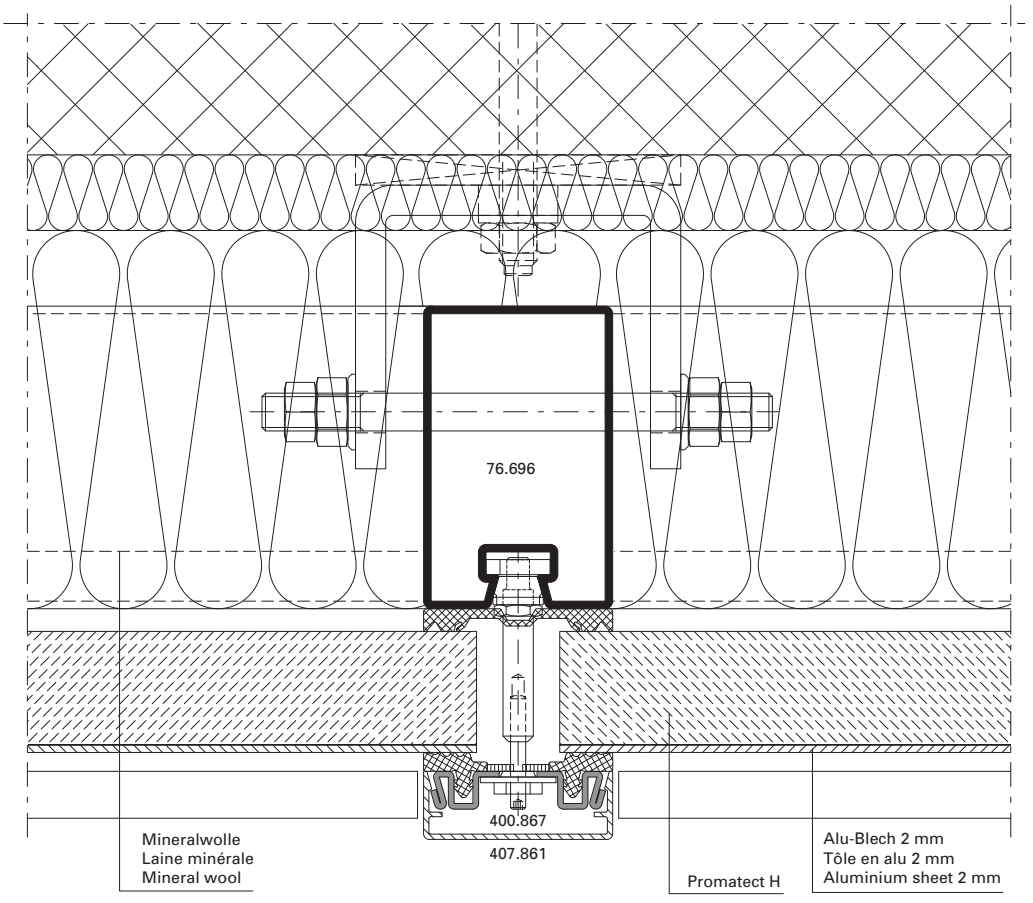

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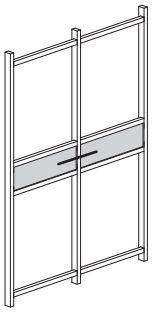
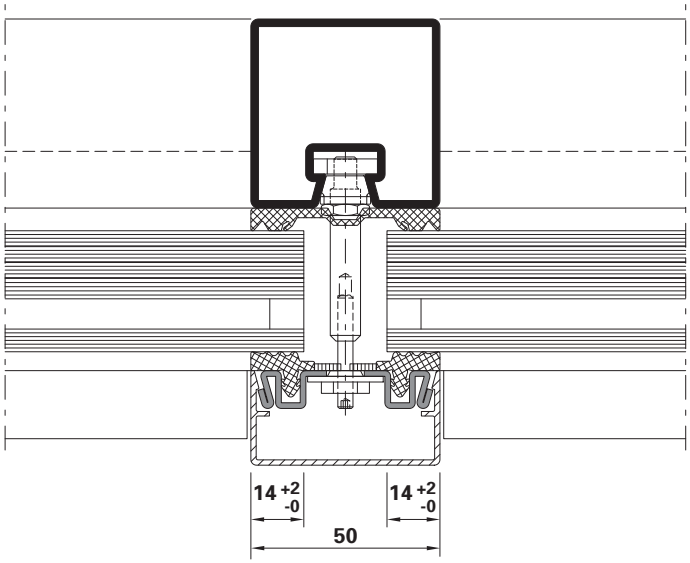


D-401-A-018

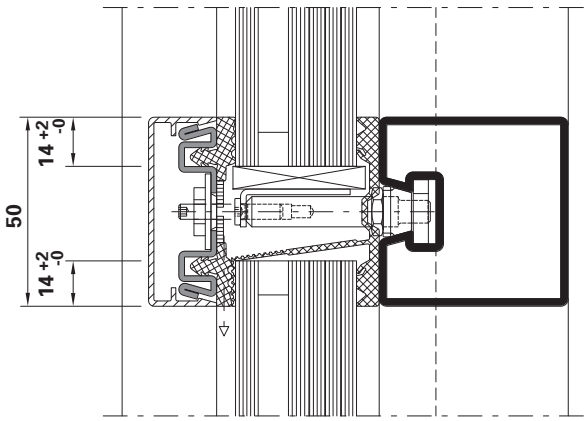
Glaseinstand



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

Prise en feuillure

EI30
EI60
EI90



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

Glass edge cover

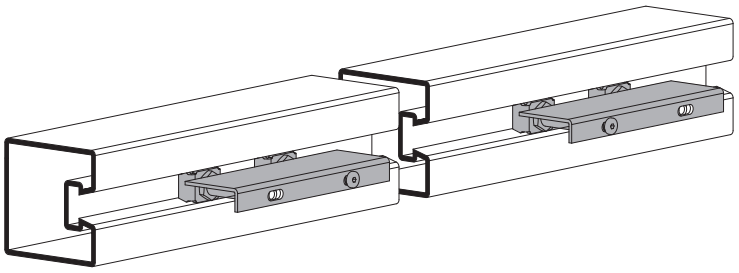
Fire-protection approvals or applicable national regulations and determinations must be observed.

Füllelementgewichte/ Glasauflagen

Poids éléments du remplissage/ Supports de verre

Weight of infill element/ Glazing supports

< 180 kg



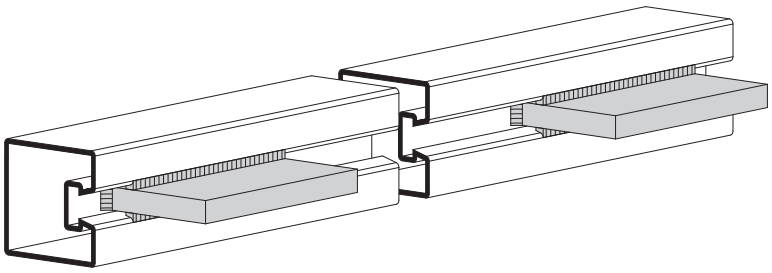
Für Füllelementstärken 5 - 57 mm
Pour éléments de remplissage 5 - 57 mm
For infill elements 5 - 57 mm

Sonderlösung

Solution spéciale

Customised solution

< 800 kg



Für Füllelementstärken ab 58 mm

Pour éléments de remplissage à partir de 58 mm

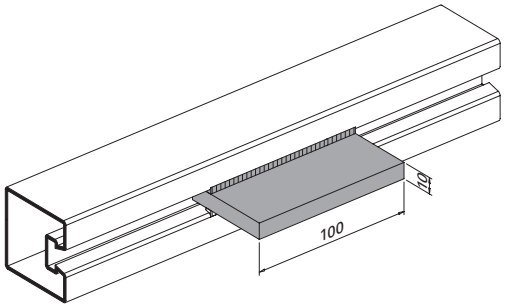
For infill elements from 58 mm

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

Sonderlösung
Glasauflagen

Solution spéciale
Supports de verre

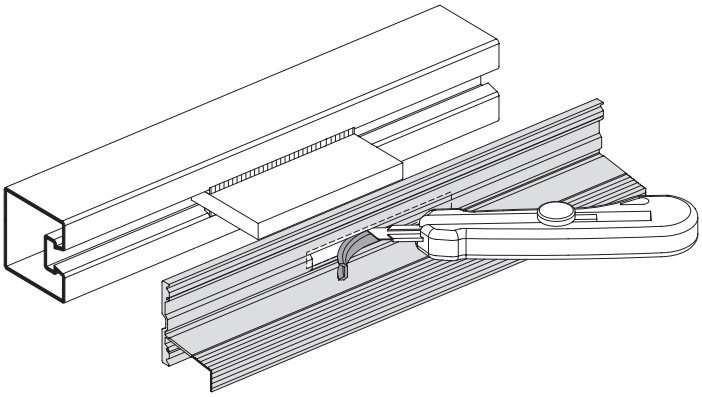
Customised solution
Glazing supports



Flachstahl 100x10 mm anschweissen

Souder acier plat 100x10 mm

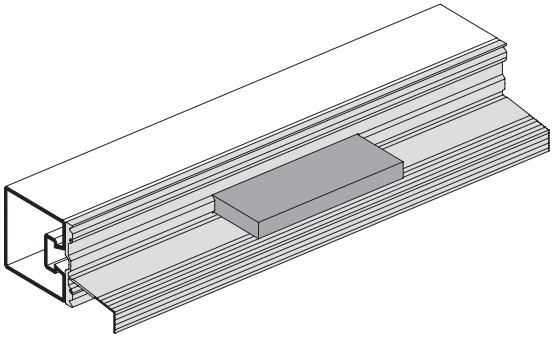
Weld on flat steel 100x10 mm



Innendichtung im Bereich der Flachstahl-Glasauflagen ausklinken

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

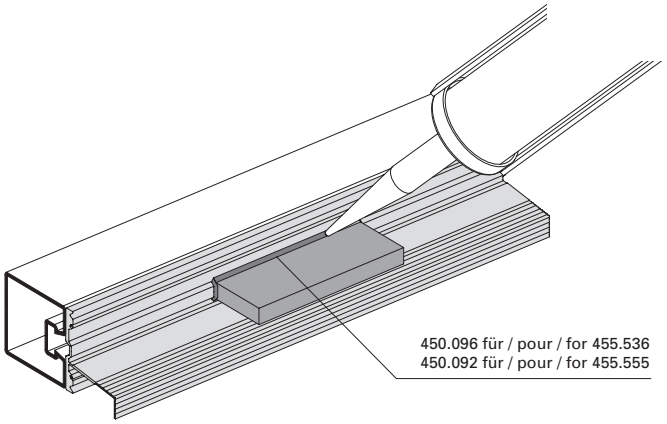
Disengage the inside sealing around the flat steel glazing supports



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

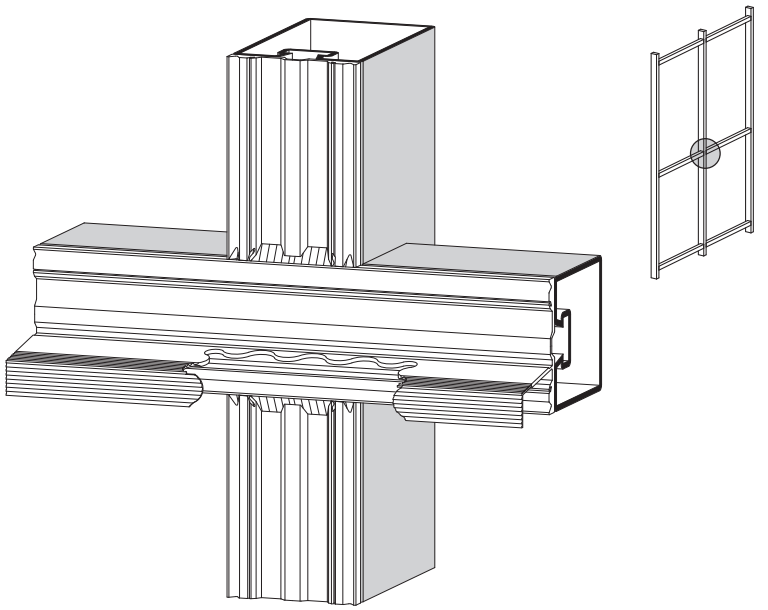
Colmater entièrement les bords de la mortaise au niveau du supports de verre à l'aide d'une pâte d'étanchéité

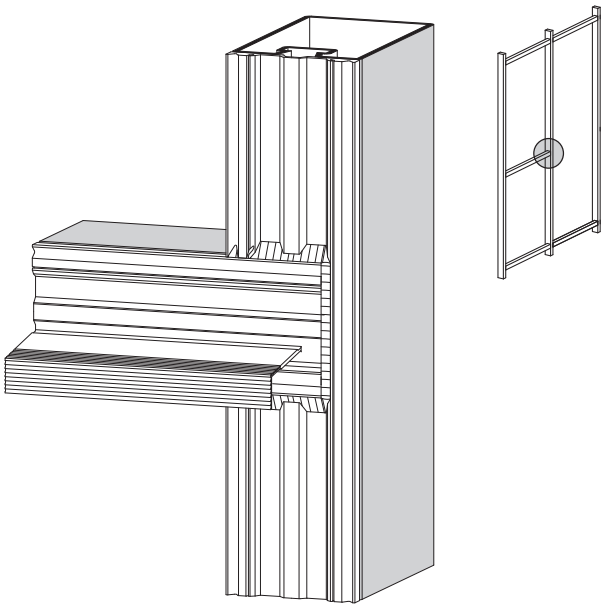
Seal the recess area around the glazing supports all-round with sealing compund

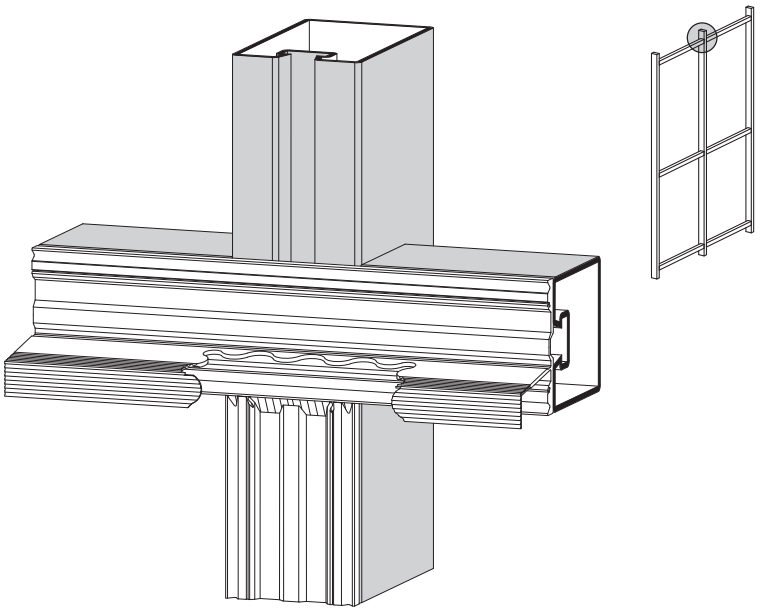
Stossausbildungen Innendichtung

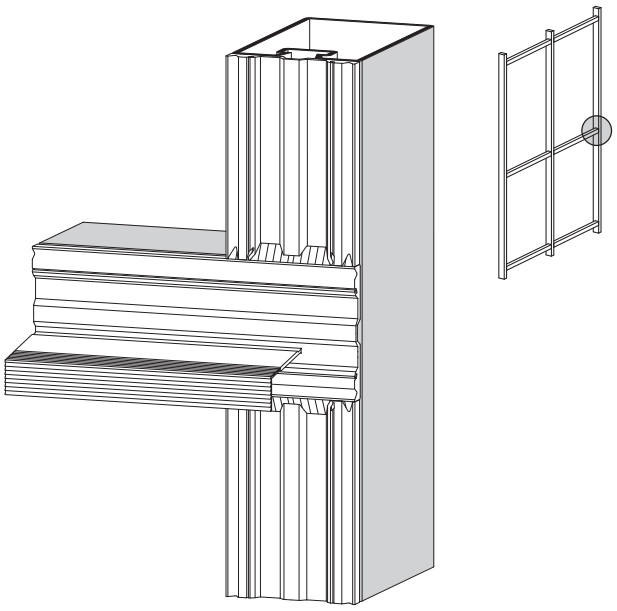
Jonctions joint intérieur

Inner gasket junctions





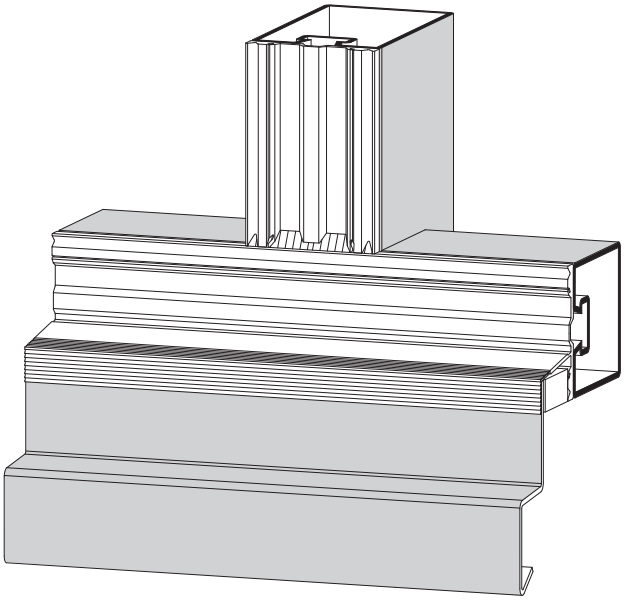


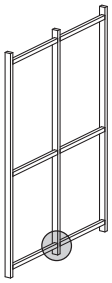


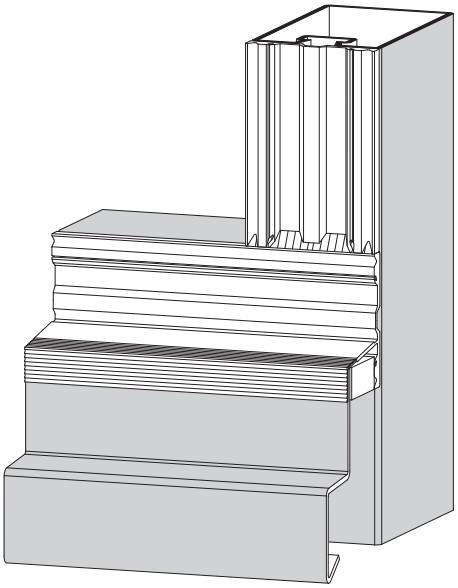
Stossausbildungen Innendichtung

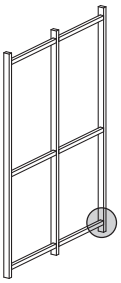
Jonctions joint intérieur

Inner gasket junctions









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