Janisol HI Türen

Hochwärmegedämmte Türen aus Stahl

Portes Janisol HI

Portes en acier à haute rupture de pont thermique

Janisol HI doors

Highly thermally insulated doors in steel

JANSEN

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Janisol HI Türen

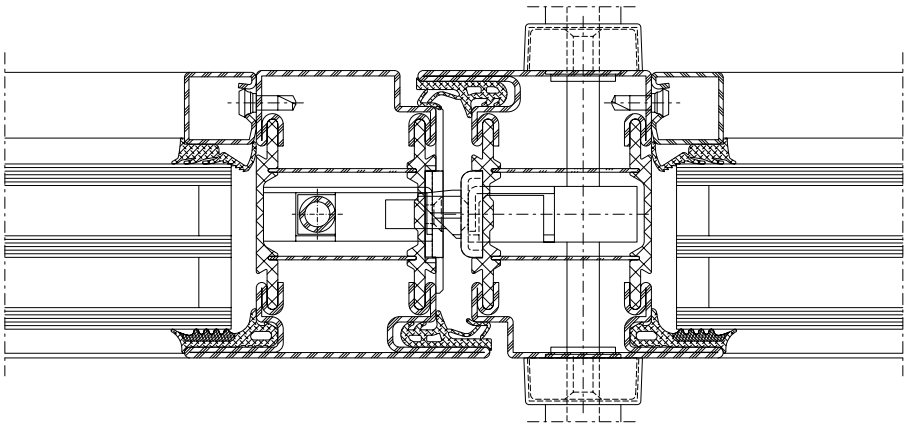
- Bautiefe 80 mm, Türflügel innen und aussen flächenbündig
- Schmale Profilansichten: Rahmen mit Türflügel 130 mm, Türstulpbereich 150 mm
- Für ein- und zweiflüglige Türen, einwärts und auswärts öffnend, mit oder ohne Oberlicht und Seitenteile
- Grösse Türflügel bis max. 1400 mm x 3000 mm (b×h) Flügelgewicht max. 280 kg
- Glasdicken 24-57 mm
- Isolierstege mit besten bauphysikalischen Eigenschaften aus glasfaserverstärktem Kunststoff
- Hervorragende wärmetechnische Eigenschaften für maximale Anforderungen
- Sehr gute statische Werte
- Systemprüfung nach Produktnorm EN 14351-1 für alle Öffnungs- und Schwellenvarianten
- Dauerfunktionsprüfung nach EN 12400 Klasse 8 (1'000'000 Zyklen)
- Grosses Beschläge-Sortiment (Fallen-Riegelschloss, Schloss mit Obenverriegelung, Mehrfachverriegelungs-Schlösser, Panikschlösser, E-Öffner etc.)
- Wärmebrückenfreier Schlosseinbau im Isoliersteg-Bereich
- Für Nasslack- oder Pulverbeschichtung geeignet

Janisol HI portes

- Profondeur de montage 80 mm, vantail de porte intérieur et extérieur montés à fleur
- Profilés très fins: cadre avec vantail de porte 130 mm, zone de battement 150 mm
- Pour portes à un ou deux vantaux, ouverture vers l'intérieur et vers l'extérieur, avec ou sans imposte parties latérales
- Taille des vantaux de porte jusqu'à max. 1400 mm x 3000 mm (l×h) Poids de vantail max. 280 kg
- Epaisseurs de vitrage 24-57 mm
- Traverses isolantes aux excellentes propriétés physiques en matière plastique renforcé par fibres de verre
- Excellentes propriétés thermiques répondant à des exigences maximum
- Très bonnes valeurs statiques
- Contrôle du système selon la norme produit EN 14351-1 pour toutes les variantes d'ouverture et de seuil
- Essai d'endurance selon EN 12400 classe 8 (1'000'000 cycles)
- Vaste gamme de ferrures (serrure à mortaiser, serrure avec verrouillage supérieur, serrures à verrouillage multiple, serrures panique, gâche électrique etc.)
- Montage de la serrure dans la zone de la traverse isolante sans pont thermique
- Convient au revêtement à la peinture liquide ou poudre

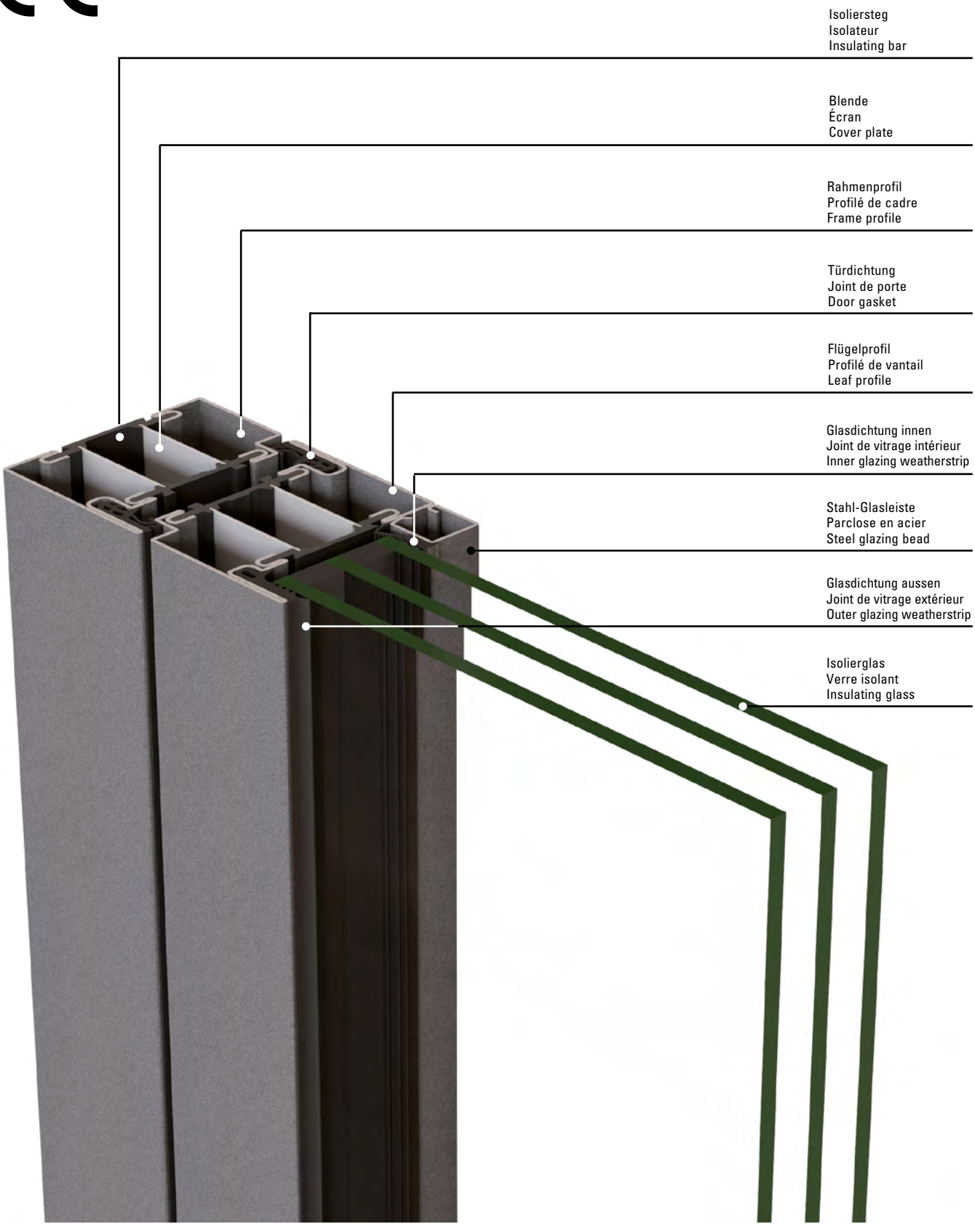
Janisol HI doors

- 80 mm basic depth, flush-fitted door leaf on the inside and outside
- Narrow profile face widths: frame with 130 mm door leaf, 150 mm door meeting stile area
- For single and double-leaf doors, inward and outward-opening, with or without toplight and side sections
- Max. door leaf sizes of 1400 mm x 3000 mm (w×h) Weight of leaf max. 280 kg
- Glass thicknesses of 24-57 mm
- Insulating bars with optimum structural properties made from glass fibre-reinforced plastic
- Outstanding thermal properties for the most exacting requirements
- Excellent structural values
- System testing in accordance with product standard EN 14351-1 for all types of opening and threshold
- Mechanical durability in accordance with EN 12400 Class 8 (1,000,000 cycles)
- Large range of fittings (latch-and-bolt lock, lock with top locking, multipoint locks, panic locks, electric strike etc.)
- Lock installation in the area of the insulating bar with no thermal bridging
- Suitable for wet paint or powder coating



CE

MINERGIE®


Isoliersteg
Isolateur
Insulating bar
Blende
Écran
Cover plate
Rahmenprofil
Profilé de cadre
Frame profile
Türdichtung
Joint de porte
Door gasket
Flügelprofil
Profilé de vantail
Leaf profile
Glasdichtung innen
Joint de vitrage intérieur
Inner glazing weatherstrip
Stahl-Glasleiste
Parclose en acier
Steel glazing bead
Glasdichtung aussen
Joint de vitrage extérieur
Outer glazing weatherstrip
Isolierglas
Verre isolant
Insulating glass

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value									
 EN 12210	**Widerstandsfähigkeit bei Windlast** **Résistance à la pression du vent** **Resistance to wind load**	npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>2000)			
 EN 12208	**Schlagregendichtheit** **Etanchéité à la pluie battante** **Watertightness**	npd	1A (0)	2A (50)	3A (100)	4A (150)	5A (200)	6A (250)	7A (300)	8A (450	9A (600)	Exxx (>750
 EN ISO 10140	**Schalldämmung** R_w (C, C_{tr}) (dB) **Isolation phonique** R_w (C, C_{tr}) (dB) **Sound insulation** R_w (C, C_{tr}) (dB)	npd	bis R_w 45 dB (-2; -6) jusqu'à R_w 45 dB (-2; -6) up to R_w 45 dB (-2; -6)								
 EN ISO 10077-2	**Wärmedurchgangskoeffizient** U_f (W/(m²·K)) **Transmission thermique** U_f (W/(m²·K)) **Thermal production** U_f (W/(m²·K))	npd	ab 0,74 W/m²K à partir de 0,74 W/m²K from 0,74 W/m²K								
 EN 12207	**Luftdurchlässigkeit** **Perméabilité à l'air** **Air permeability**	npd	1 (150)	2 (300)	3 (600)	4 (600)					
 EN 1192	**Klassifizierung der Festigkeitsanforderungen** **Classification des exigences de résistance méc.** **Classification of strength requirements**	npd	1	2	3	4					
 EN 12219	**Differenzklimaverhalten** **Résistance aux changements de température** **Resistance to change in temperature**	npd	bis / jusqu'à / up to 3(d) / 3(e) Technische Hinweise / Conseils techniques / Technical data: «Verhalten zwischen unterschiedlichen Klimaten nach EN 1121» «Comportement entre différents climats selon EN 1121» «Behaviour between different climates in accordance with EN 1121»								
 EN 14024	**Metallprofile mit thermischer Trennung** **Profilés en métal. avec rupture de pont thermique** **Metal profiles with thermal barrier**		CW / TC2								
 EN 12400	**Dauerfunktionsprüfung** **Durabilité mécanique** **Mechanical durability**		D	1 5'000	2 10'000	3 20'000	4 50'000	5 100'000	6 200'000	7 500'000	8 1'000'000
 EN 12217	**Bedienkräfte** **Forces de manœuvre** **Operating forces**	npd	0		1		2				
 DIN 18008-4	**Vorgefertigte absturzsichernde Verglasung** **Vitrage anti-chutes préfabriqué** **Prefabricated glazing suitable for safety barrier loading**		Anhang D.1.2 erfüllt Annexe D.1.2 satisfaite Appendix D.1.2 fulfilled								

npd = keine Leistung festgestellt (no performance determined)

npd = Aucune performance déterminée (no performance determined)

npd = no performance determined



Einbruchhemmende Janisol HI Türen

- Türgrössen bis 1400 x 3000 mm
- Ein- und zweiflügelige Türen, nach innen und aussen öffnend
- Normal- und Panikfunktion bis RC3
- Prüfungen nach EN 1627 bis 1630 bis RC3

Portes anti-effraction Janisol HI

- Dimensions de porte jusqu'à 1400 x 3000 mm
- Portes à un/deux vantaux, à ouverture vers l'intérieur et l'extérieur
- Fonction normale et fonction panique jusqu'à RC3
- Contrôlé selon les normes EN 1627 à 1630 jusqu'à RC3

Burglar-resistant Janisol HI doors

- Door sizes up to 1400 x 3000 mm
- Single and double-leaf doors, inward and outward-opening
- Standard and panic function up to RC3
- Tests in accordance with EN 1627 to 1630 up to RC3



Verblechte Janisol HI Türen

- Flächenbündig verblechte Türen mit sehr guter wärmetechnischer Leistung
- Bautiefe 80 mm, nach innen und aussen öffnend
- Glasausschnitte sind möglich

Portes tôlées Janisol HI

- Portes tôlées à fleur à très bonnes performances thermiques
- Profondeur de montage 80 mm, à ouverture vers l'intérieur et l'extérieur
- Panneaux de verre possibles

Janisol HI sheet metal doors

- Flush-fitted sheet metal doors with very good thermal performance
- Basic depth of 80 mm, inward and outward-opening
- Glass vision panels are possible



Fluchttürsysteme

- Verschlusssystem für Notausgangstüren nach EN 179
- Verschlusssystem für Paniktüren nach EN 1125
- Barrierefreie Türen ohne Schwelle für behindertengerechtes Bauen
- Ein- und zweiflügelige Türen nach aussen und nach innen öffnend
- Türflügelgrössen bis 1400 x 3000 mm und Flügelgewicht bis 230 kg

Systèmes de porte de secours

- Système de fermeture pour portes de secours selon EN 179
- Système de fermeture pour portes panique selon EN 1125
- Portes sans seuil pour faciliter l'accès aux personnes handicapées
- Portes à un/deux vantaux à ouverture vers l'intérieur et l'extérieur
- Dimensions de vantail de porte jusqu'à 1400 x 3000 mm et poids de vantail jusqu'à 230 kg

Emergency exit systems

- Closing system for emergency exit doors in accordance with EN 179
- Closing system for panic doors in accordance with EN 1125
- Barrier-free doors without threshold for accessible buildings
- Single and double-leaf doors, outward and inward-opening
- Door leaf sizes up to 1400 x 3000 mm and leaf weight up to 230 kg

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Les indications «Bibliothèque des articles/Ferures de porte/Ferrures de fenêtres» signifie que vous téléchargez la totalité de la bibliothèque des articles du système donné (profilés, ferrures, parcloses, accessoires etc.).

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The items «Article library/Door fittings/ Window fittings» means that you download the entire article library for the corresponding system with one click (profiles, fittings, glazing beads, accessories etc.).

Info und Beratung

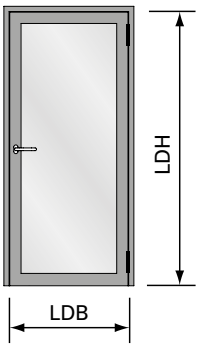
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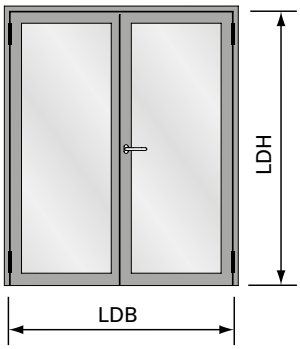
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Information and advice

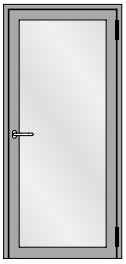
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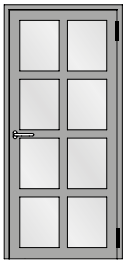
Elementgrössen	**Tailles des éléments**	**Size of elements**
LDB Lichte Durchgangsbreite max. 1360 mm min. 600 mm	LDB Largeur vide lumière max. 1360 mm min. 600 mm	LDB Clear opening width max. 1360 mm min. 600 mm
LDH Lichte Durchgangshöhe max. 2992 mm min. 1900 mm	LDH Hauteur vide lumière max. 2992 mm min. 1900 mm	LDH Clear opening height max. 2992 mm min. 1900 mm
Flügelgewicht max. 280 kg	Poids de vantail max. 280 kg	Weight of leaf max. 280 kg



Elementgrössen	**Tailles des éléments**	**Size of elements**
LDB Lichte Durchgangsbreite max. 2740 mm min. 1200 mm	LDB Largeur vide lumière max. 2740 mm min. 1200 mm	LDB Clear opening width max. 2740 mm min. 1200 mm
LDH Lichte Durchgangshöhe max. 2992 mm min. 1900 mm	LDH Hauteur vide lumière max. 2992 mm min. 1900 mm	LDH Clear opening height max. 2992 mm min. 1900 mm
Flügelgewicht max. 280 kg	Poids de vantail max. 280 kg	Weight of leaf max. 280 kg



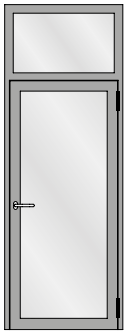
Einflügelige Türe
Porte à un vantail
Single leaf door



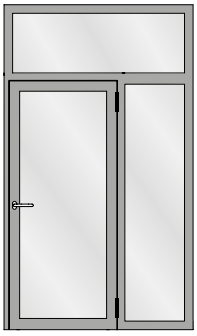
Einflügelige Türe mit Riegel
Porte à un vantail avec traverses
Single leaf door with transoms



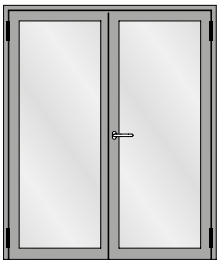
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



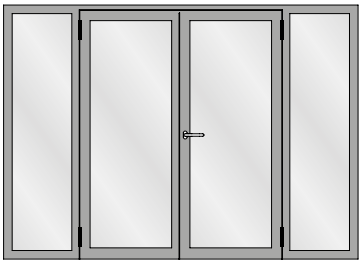
Einflügelige Türe mit festem Oberlicht
Porte à un vantail avec imposte fixe
Single leaf door with fixed top light



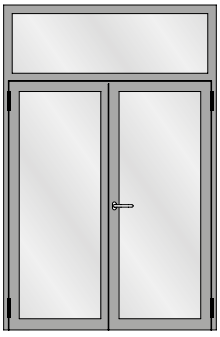
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



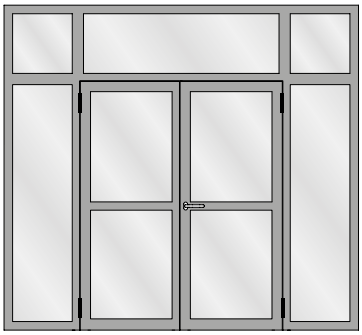
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



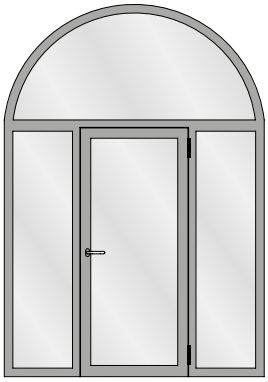
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deux parties latérales fixes
Double leaf door with two fixed side lights



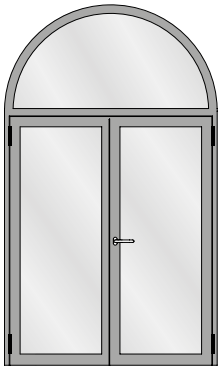
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



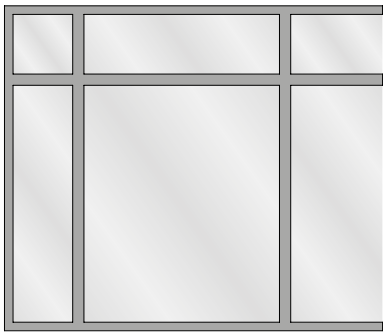
Zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte à deux vantaux avec deux parties latérales fixes et impostes fixes
Double leaf door with two fixed side lights and fixed top lights



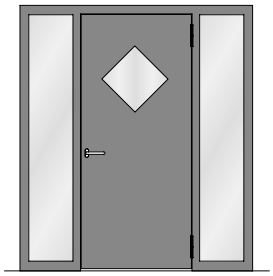
Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
Single leaf door with two fixed side lights and round arched top light



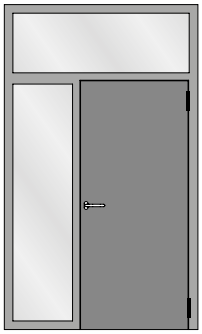
Zweiflügelige Türe mit Rundbogen-Oberlicht
Porte à deux vantaux avec imposte demi-ronde
Double leaf door with round arched top light



Festverglasung
Vitrage fixe
Fixed glazing



Verblechte einflügelige Türe mit zwei festen Seitenteilen
Porte tôlée à un vantail avec deux parties latérales fixes
Sheet metal single leaf door with two fixed side lights



Verblechte einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte tôlée à un vantail avec partie latérale fixe et imposte fixe
Sheet metal single leaf door with fixed side light and fixed top light



Verblechte zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte tôlée à deux vantaux avec deux parties latérales fixes et impostes fixes
Sheet metal double leaf door with two fixed side lights and fixed top lights

Aufgrund möglicher Deformationen von verblechten Türen in exponierten Lagen mit Sonneneinstrahlung sollte diese Anwendung nicht eingesetzt werden, ansonsten ist eine Beschattung vorzusehen.

Hinweis Oberflächenbehandlung:
Wegen der Lochschweissungen empfehlen wir eine Nasslackierung mit vorgängigem Spachteln.

Au vu de déformations possibles, ne pas exposer les portes tôles au rayonnement direct du soleil (effet bimétal). Si possible prévoir une protection solaire.

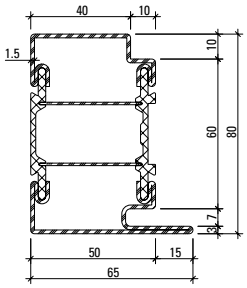
Indications sur le traitement de surface:
En raison des soudures bouchons, nous recommandons un laquage avec vernis liquide précédé d'un rebouchage.

Due to potential deformations of sheet metal clad doors in exposed locations with sunlight this application should not be used otherwise a shading must be provided.

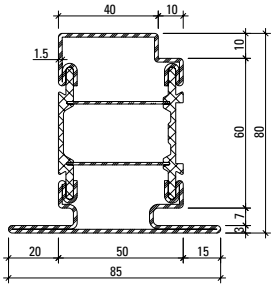
Surface treatment note:
We recommend wet lacquering preceded by priming, due to the plug welds.

Panzerhalle, Salzburg/AT (Architekt: ARGE LP Architectur/CS-Architektur/Strobl Architekten)

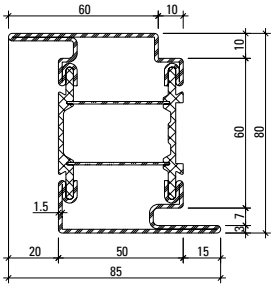




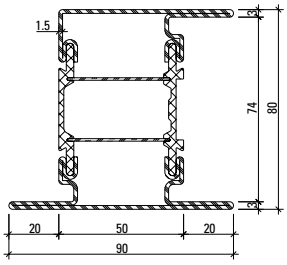
680.013 Z



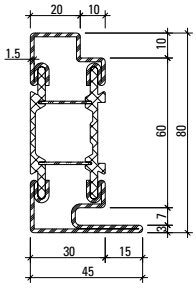
680.114 Z



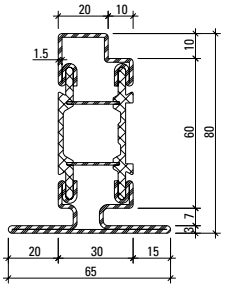
680.416 Z



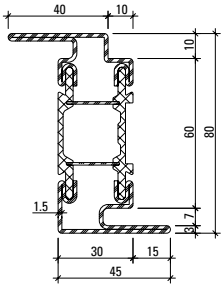
680.652 Z



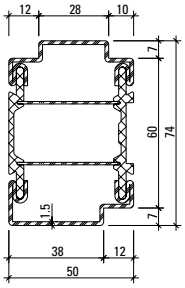
680.010 Z



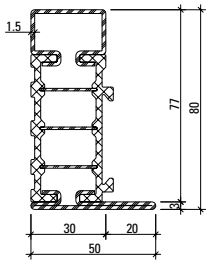
680.110 Z



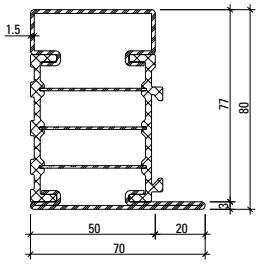
680.411 Z



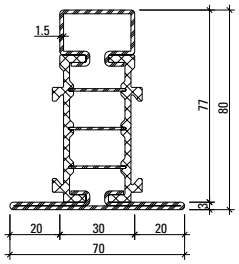
680.051 Z



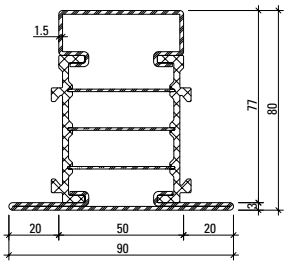
681.630 Z



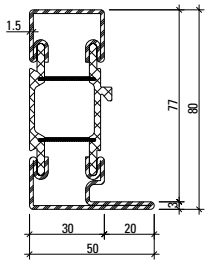
681.650 Z



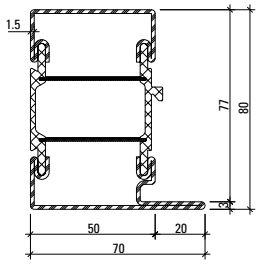
682.630 Z



682.650 Z



681.635 Z*

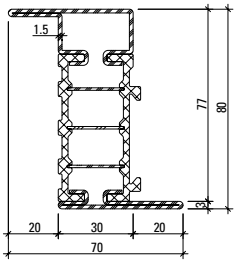


681.655 Z*

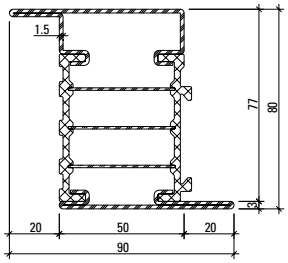
* nur in Kombination mit Bogen verwenden
* à utiliser uniquement avec des cintres
* use only in conjunction with arched designs

Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
680.013 Z	4,428	32,09	6,86	18,47	5,10	0,347
680.114 Z	4,995	36,36	7,11	26,77	6,11	0,396
680.416 Z	5,007	40,93	10,12	26,79	6,12	0,396
680.652 Z	5,581	48,46	10,86	36,76	7,52	0,446

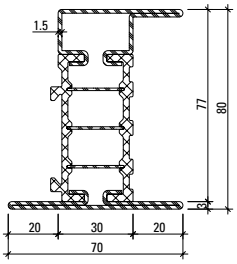
Profil-Nr.	G kg/m	Ix cm⁴	Wx cm³	Iy cm⁴	Wy cm³	U m²/m
680.010 Z	3,851	25,60	5,36	6,04	2,19	0,308
680.110 Z	4,435	29,52	5,62	10,06	2,99	0,357
680.411 Z	4,440	34,55	8,53	10,05	2,99	0,357
680.051 Z	3,635	21,02	5,61	11,88	4,68	0,280
681.630 Z	3,713	25,83	5,65	5,61	1,85	0,297
681.650 Z	4,331	32,30	7,21	15,97	4,04	0,337
682.630 Z	4,194	31,56	6,24	9,87	2,82	0,352
682.650 Z	4,816	38,99	7,94	24,03	5,34	0,392
681.635 Z	3,784	26,93	5,71	7,49	2,42	0,310
681.655 Z	4,286	33,47	7,25	21,06	5,28	0,348



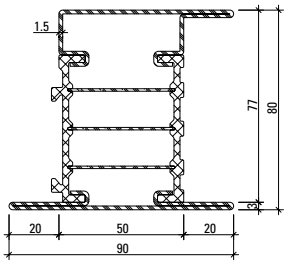
683.630 Z



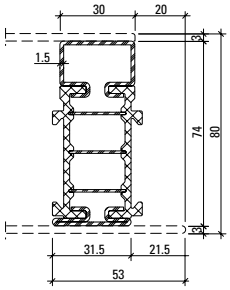
683.650 Z



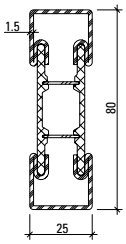
685.630 Z



685.650 Z



680.060 Z



600.012
600.012 Z

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DXF **DWG**

Werkstoffe

Artikel-Nr.

ohne Zusatz = blank
mit Z = bandverzinkter Stahl
Isolator = glasfaserverstärkter Kunststoff

Matériaux

No. d'article

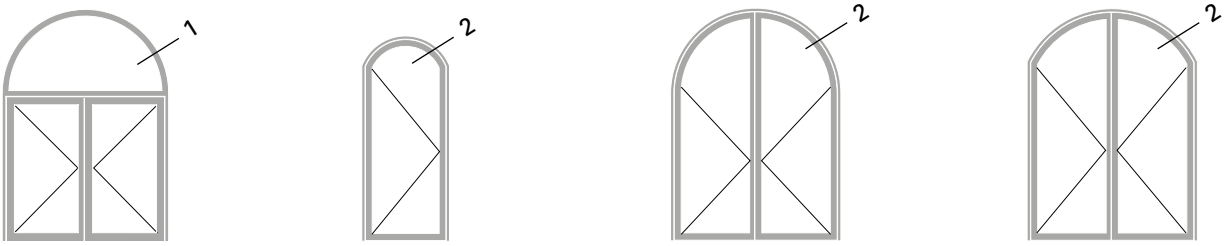
sans supplément = brut
avec Z = bande d'acier zinguée
Isolateur = matière plastique renforcé par fibres de verre

Materials

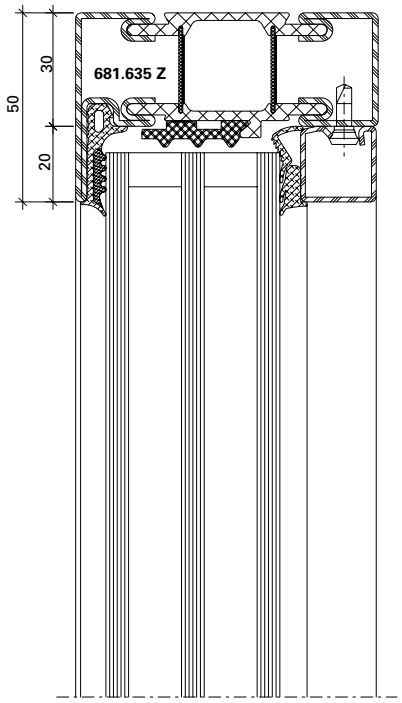
Part no.

without addition = bright
with Z = strip galvanised steel
Insulator = glassfibre reinforced plastic

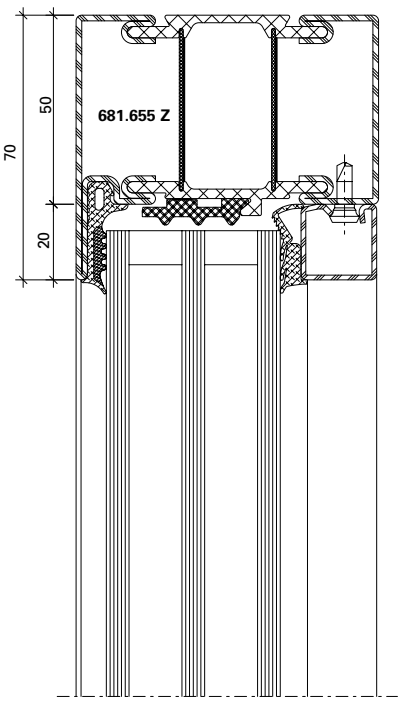
Profil-Nr.	G kg/m	Ix cm^4	Wx cm^3	Iy cm^4	Wy cm^3	U m^2/m
683.630 Z	4,170	32,73	7,98	10,09	2,88	0,336
683.650 Z	4,787	38,93	9,50	24,43	5,42	0,376
685.630 Z	4,637	38,31	8,65	13,46	3,51	0,374
685.650 Z	5,258	47,62	10,93	30,13	6,14	0,415
600.012	3,254	19,67	4,92	2,93	2,34	0,224
680.060 Z	3,214	17,21	4,55	2,54	1,46	0,266



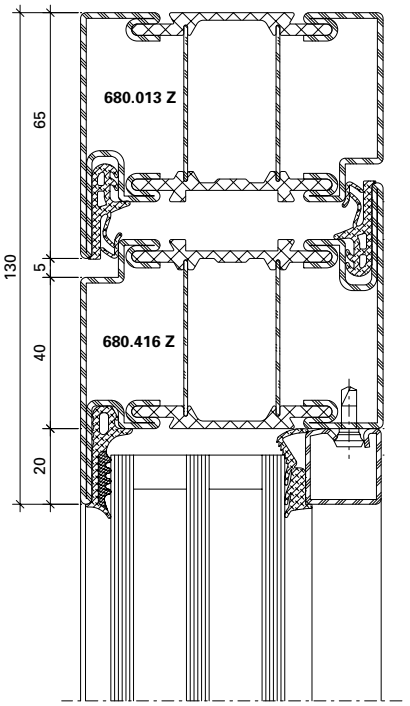
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1.1



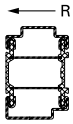
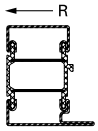
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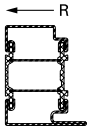
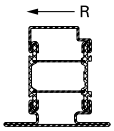
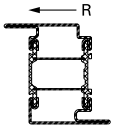


Die Radien-Angaben beziehen sich auf die Fertigung im Hause Jansen.

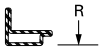
Les rayons indiqués concernent la fabrication des cintres par la société Jansen.

The radius information refers to the production of the arches at the Jansen.

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
680.051 Z	600 mm
	
681.635 Z	700 mm
681.655 Z	700 mm

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
	
680.010 Z	600 mm
680.013 Z	1000 mm
	
680.110 Z	600 mm
680.114 Z	1000 mm
	
680.411 Z	1200 mm
680.416 Z	2000 mm

Stahl-Glasleisten Parcloses en acier Steel glazing beads	Min. Radius Rayon min. Min. radius R
	
402.112 Z	500 mm
402.115 Z	500 mm
402.120 Z	600 mm
402.125 Z	750 mm
402.130 Z	1000 mm
402.136 Z	500 mm
402.141 Z	500 mm

Stahl-Glasleisten Parcloses en acier Steel glazing beads	Min. Radius Rayon min. Min. radius R
	
62.507 Z	300 mm
62.508 Z	300 mm
62.509 Z	300 mm

Aluminium-Glasleisten Parcloses en aluminium Aluminium glazing beads	Min. Radius Rayon min. Min. radius R
	
404.112	400 mm
404.115	400 mm
404.120	400 mm
404.125	450 mm
404.130	500 mm
404.135	600 mm

Andere Profiltypen sowie im Grundriss gebogene Profile auf Anfrage.

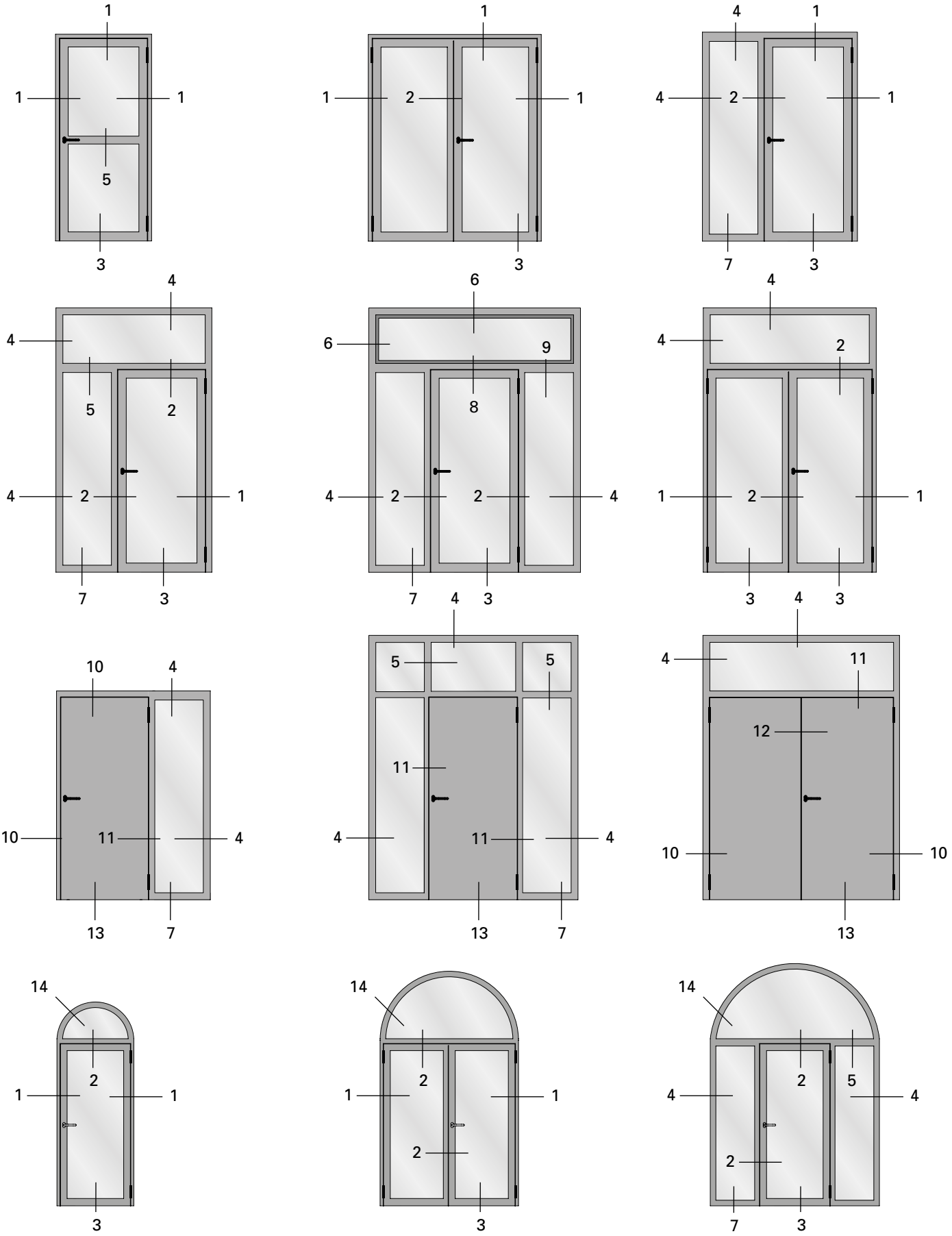
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Autres types de profilés et profilés au tracé cintré sur demande.

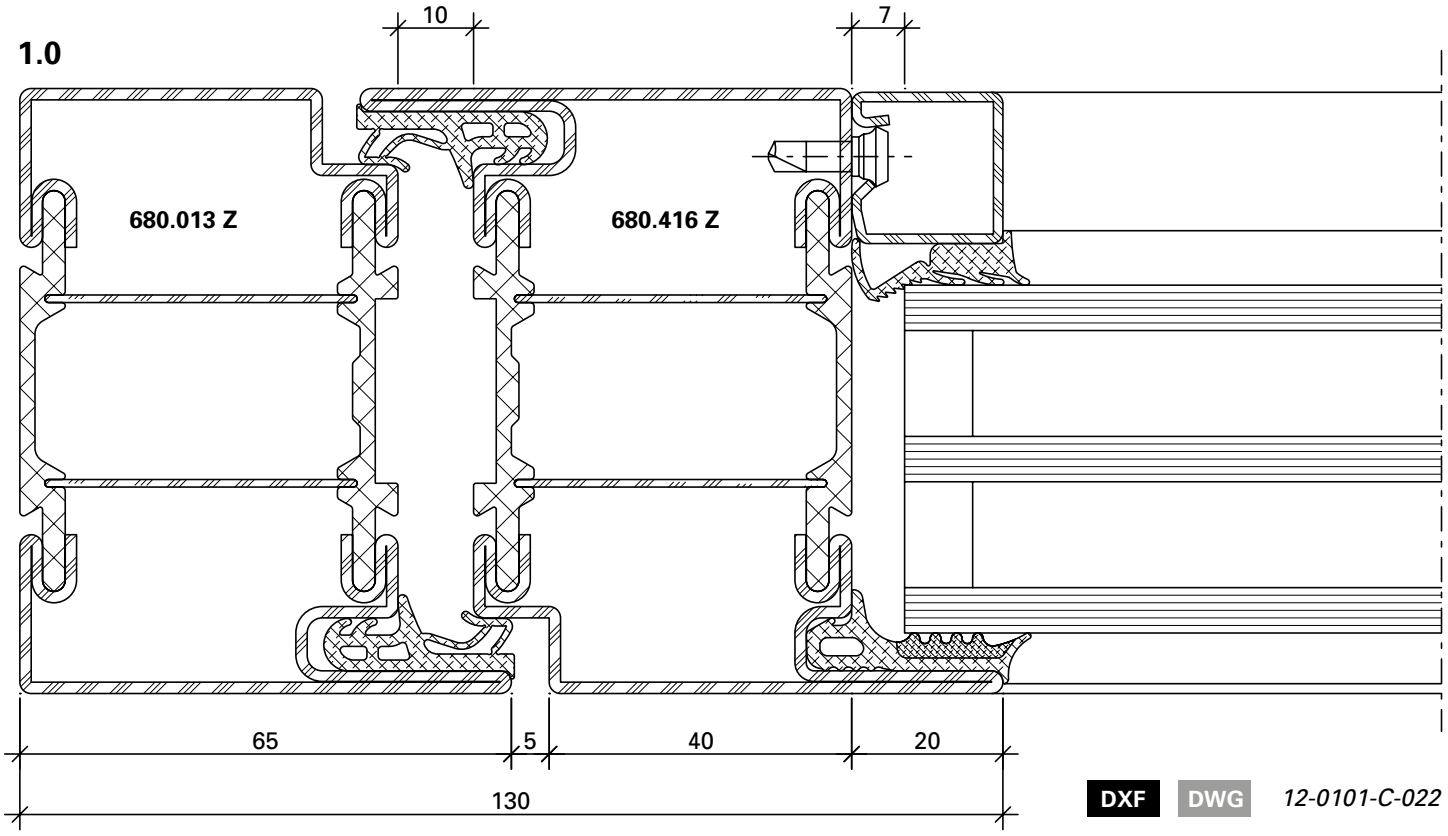
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Other profile types and profiles curved in the floor plan are available on request.

Please use our order forms on docucenter.jansen.com

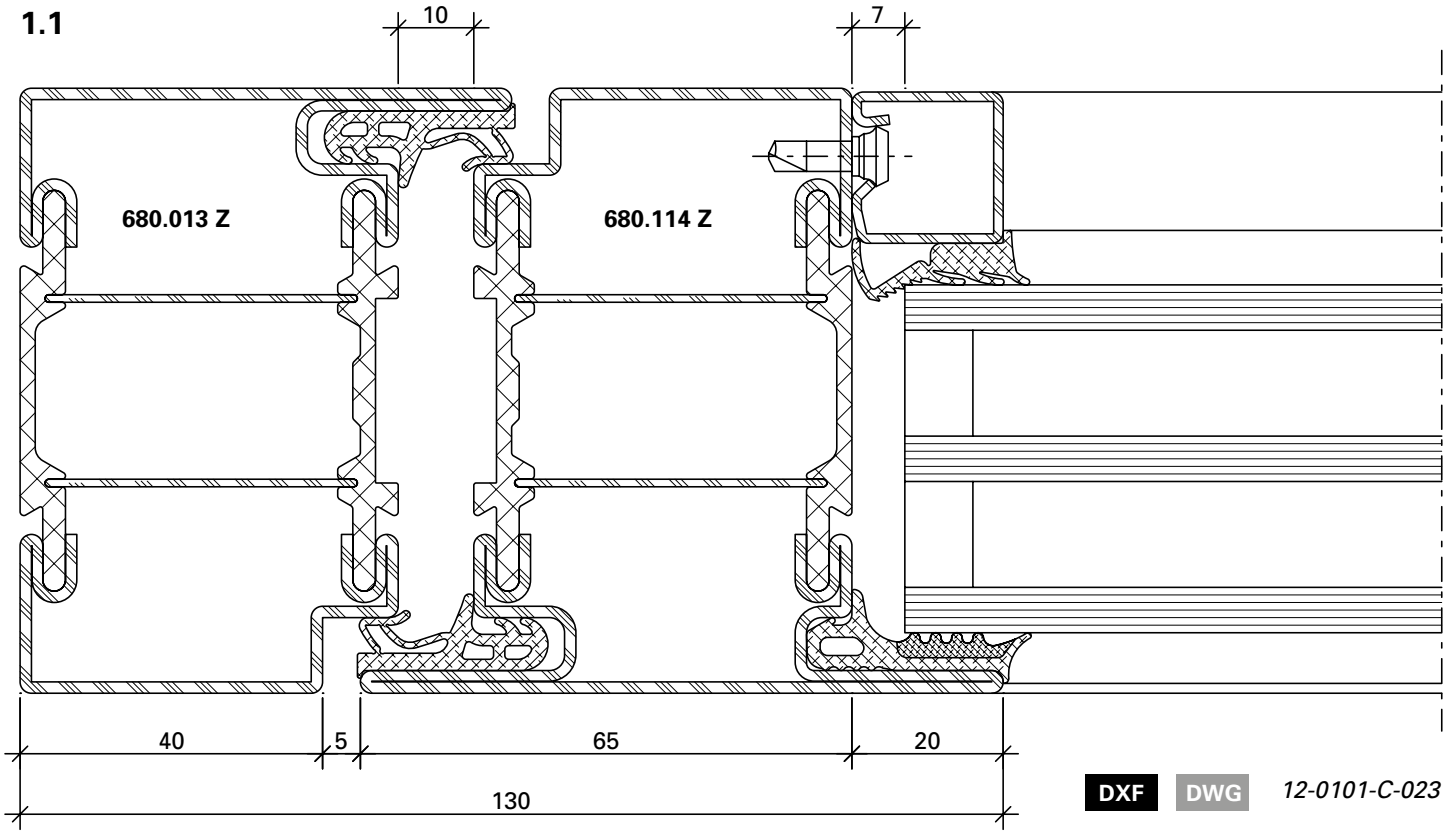

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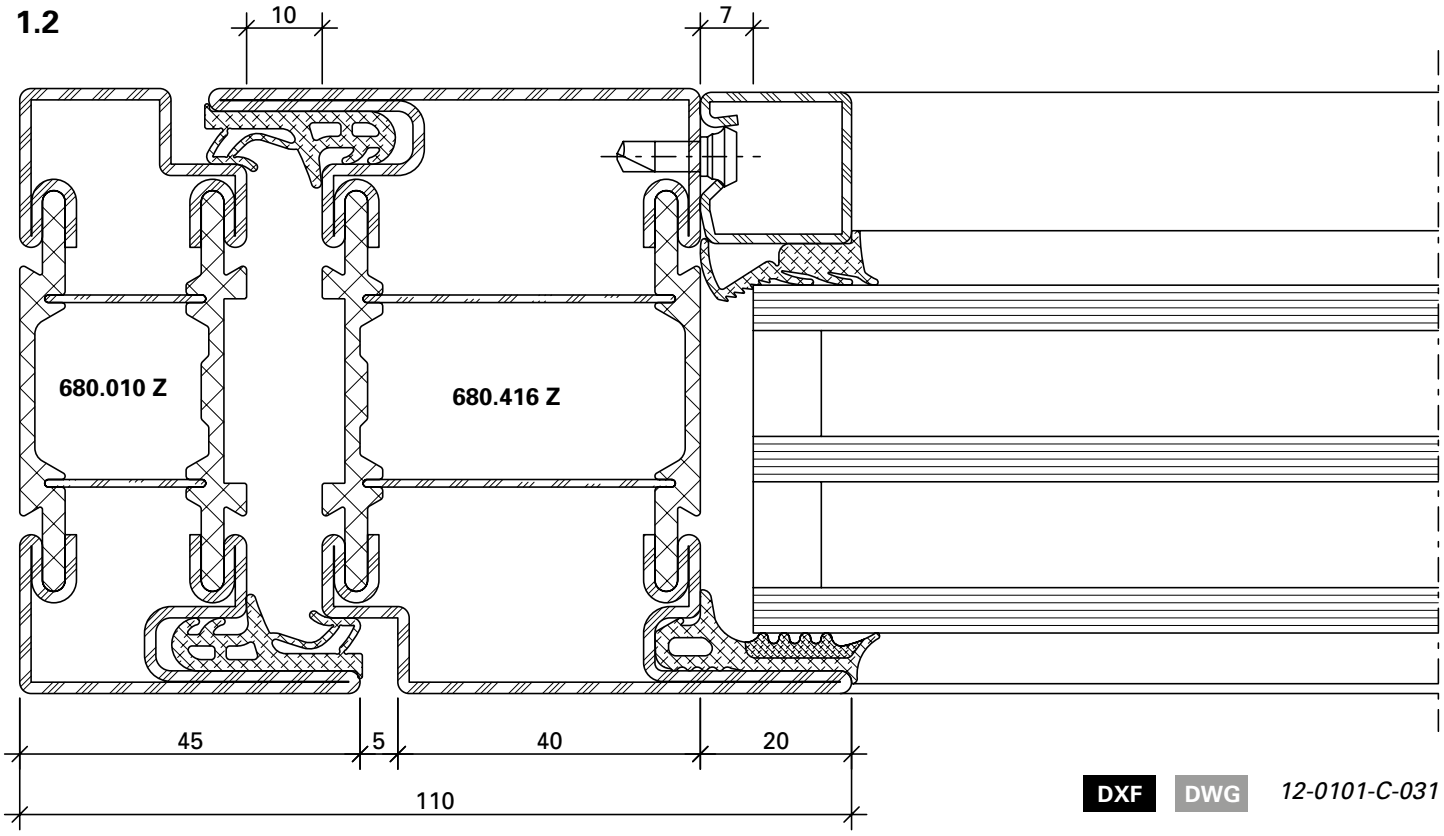
DXF DWG *12-0101-C-022*

1.1



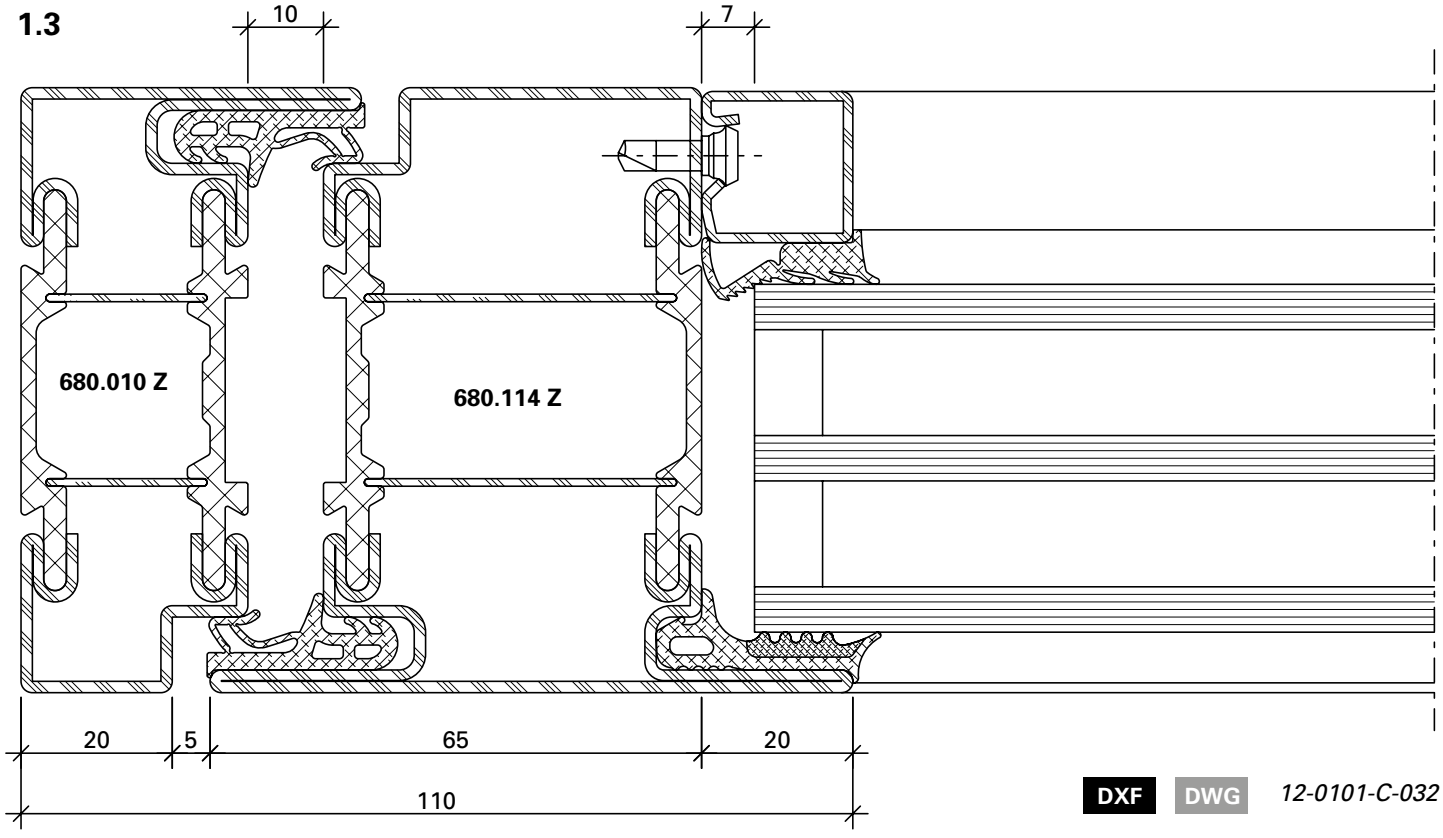
DXF DWG *12-0101-C-023*

1.2



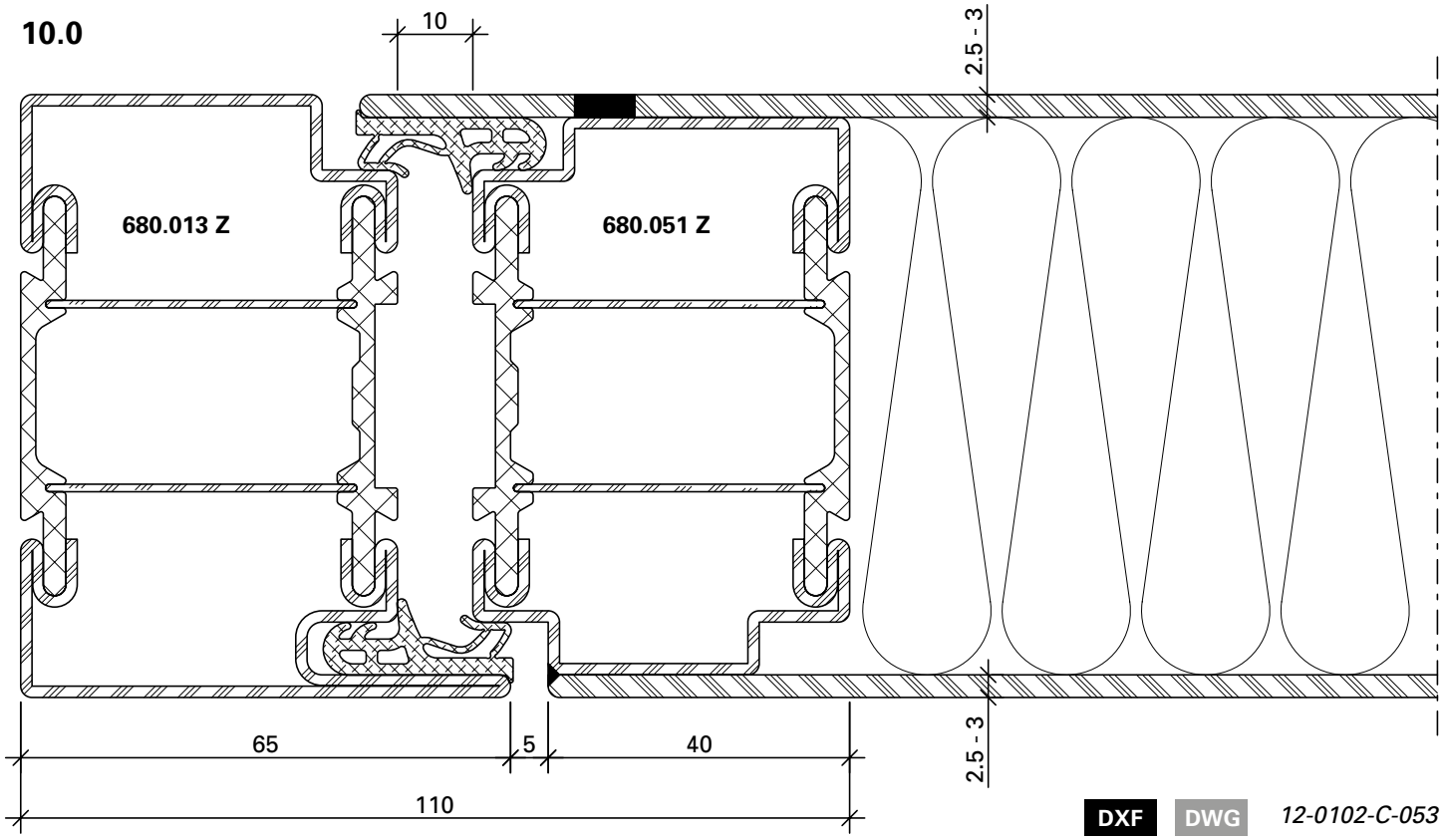
DXF DWG *12-0101-C-031*

1.3



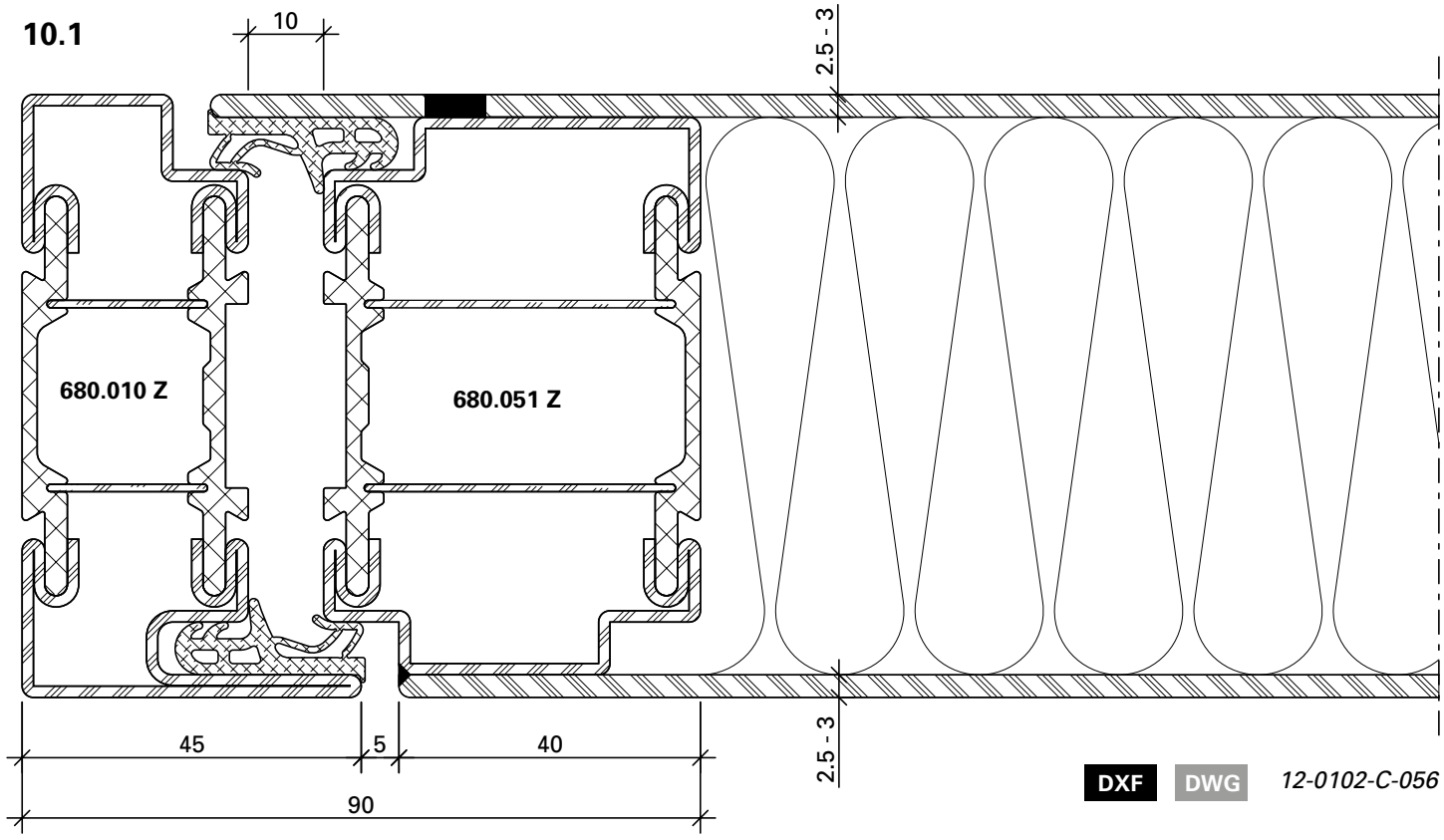
DXF DWG *12-0101-C-032*

10.0



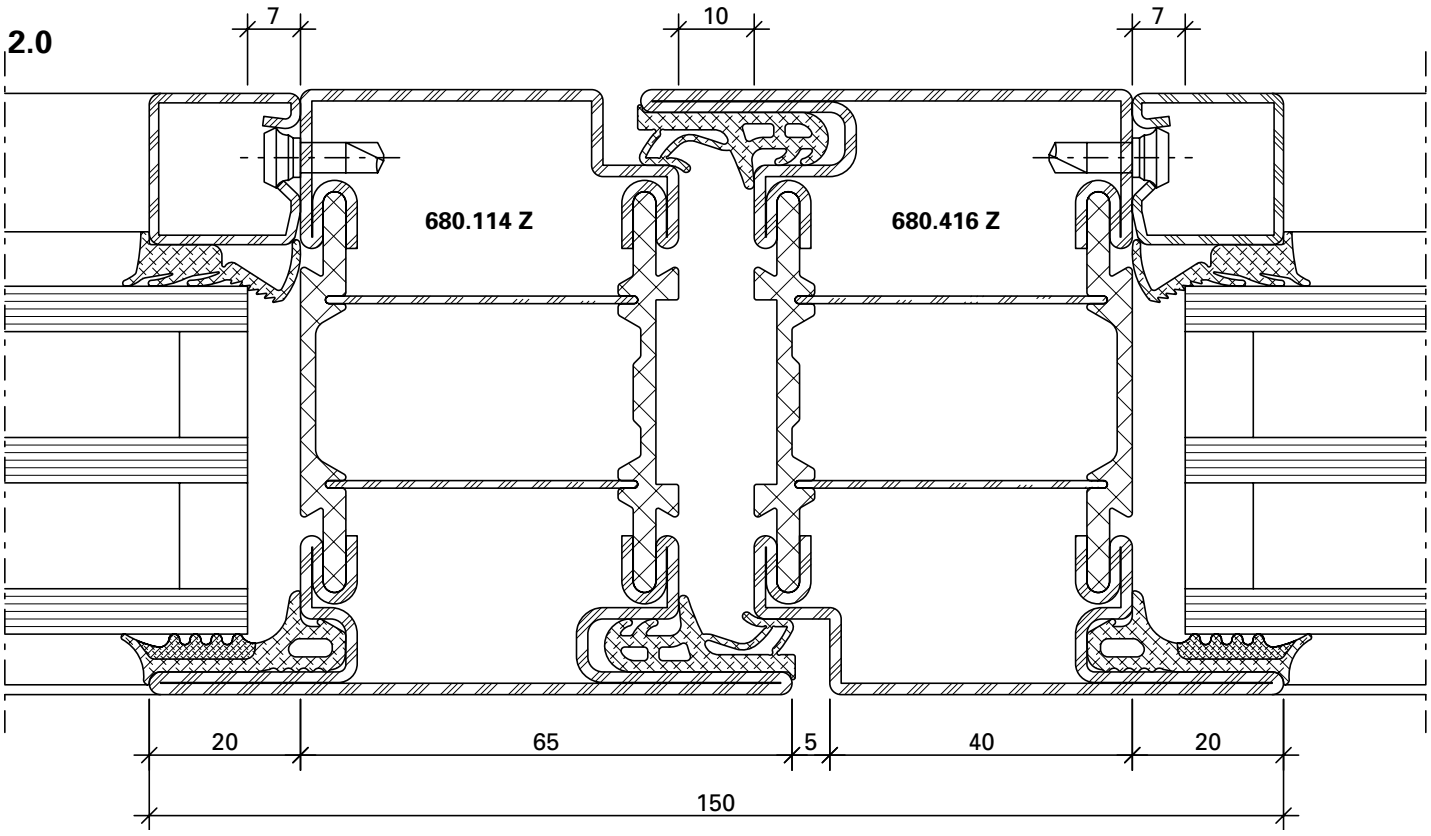
DXF DWG *12-0102-C-053*

10.1



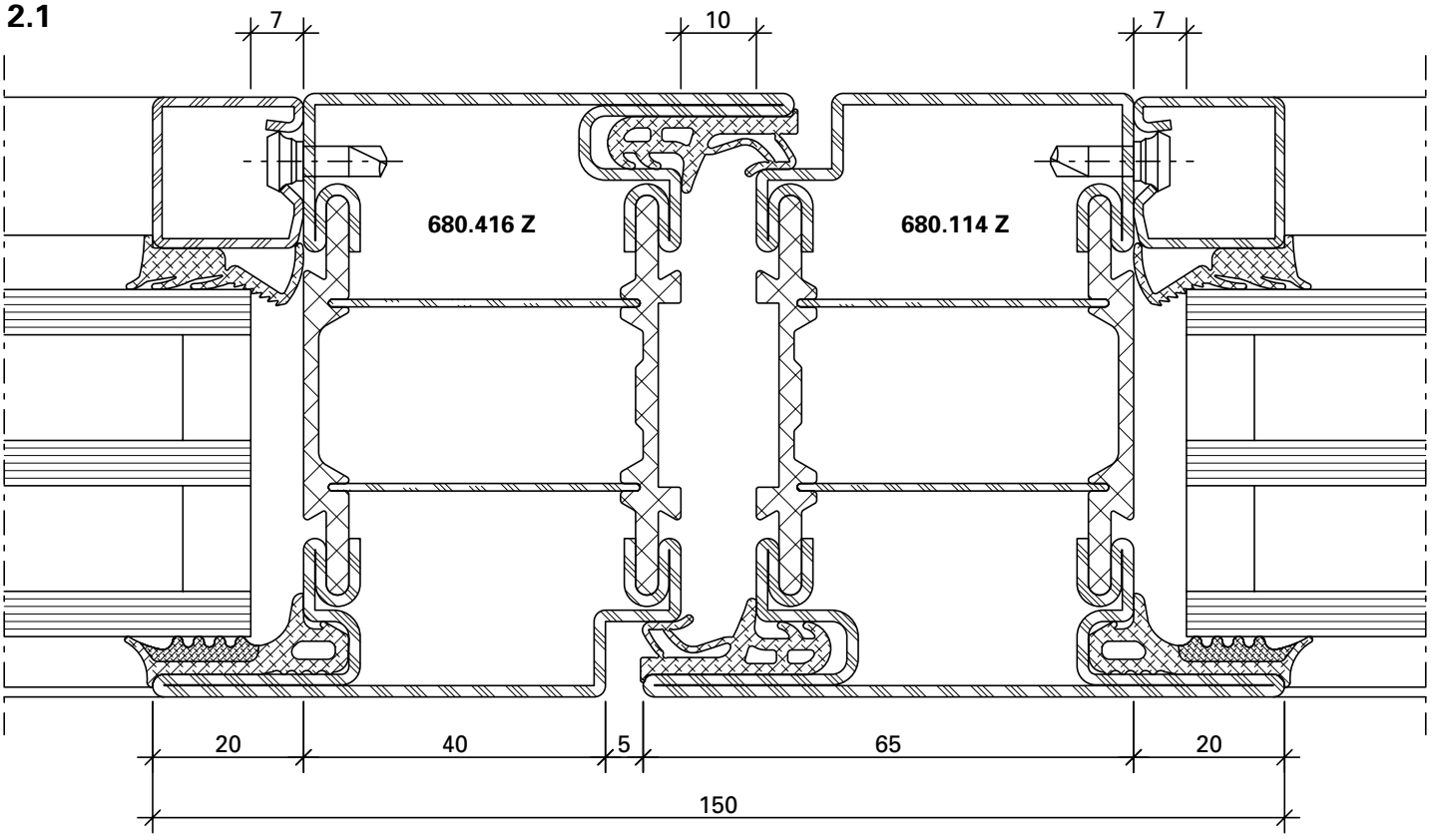
DXF DWG *12-0102-C-056*

2.0



DXF DWG *12-0101-C-024*

2.1



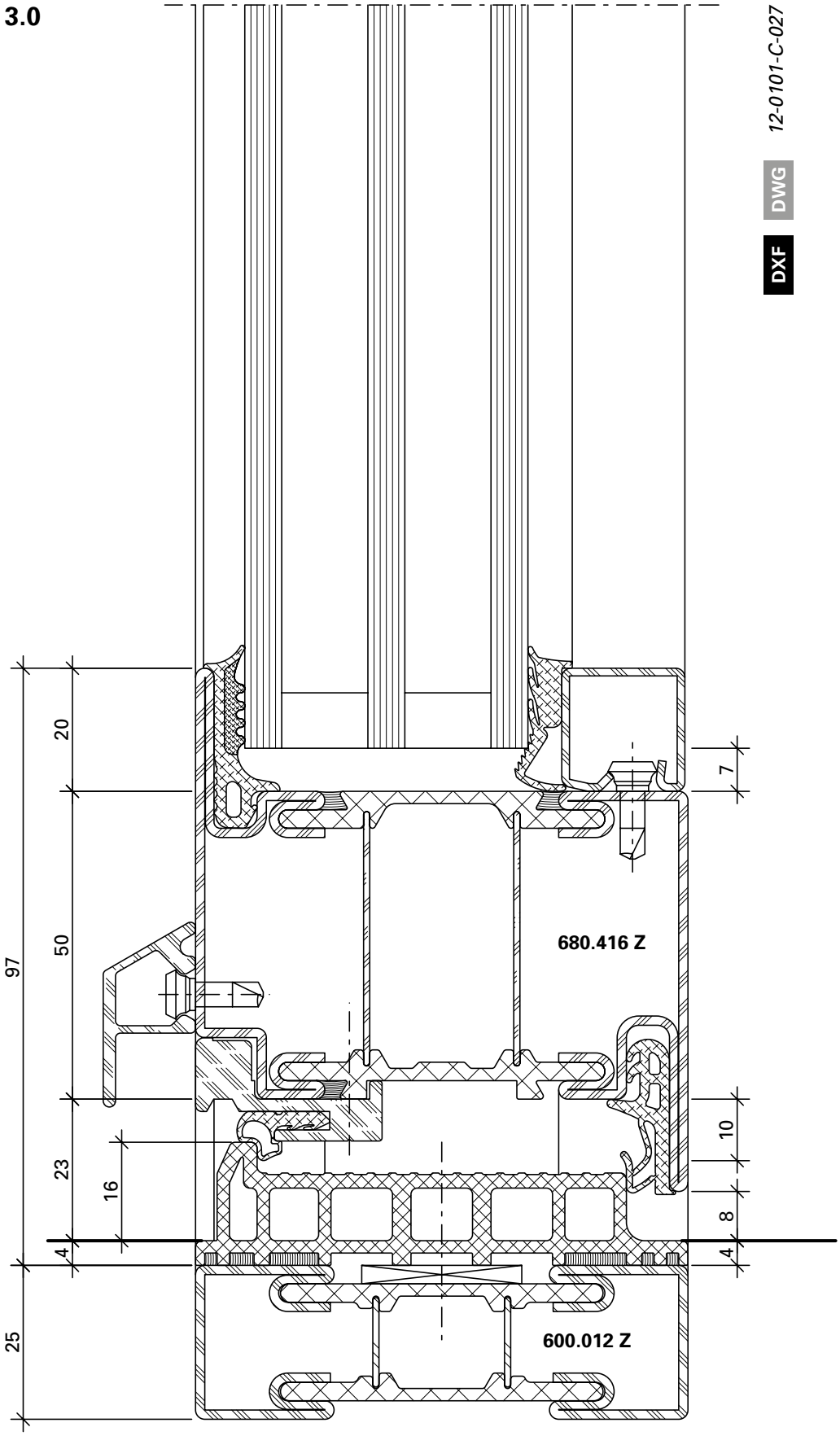
DXF DWG *12-0101-C-025*

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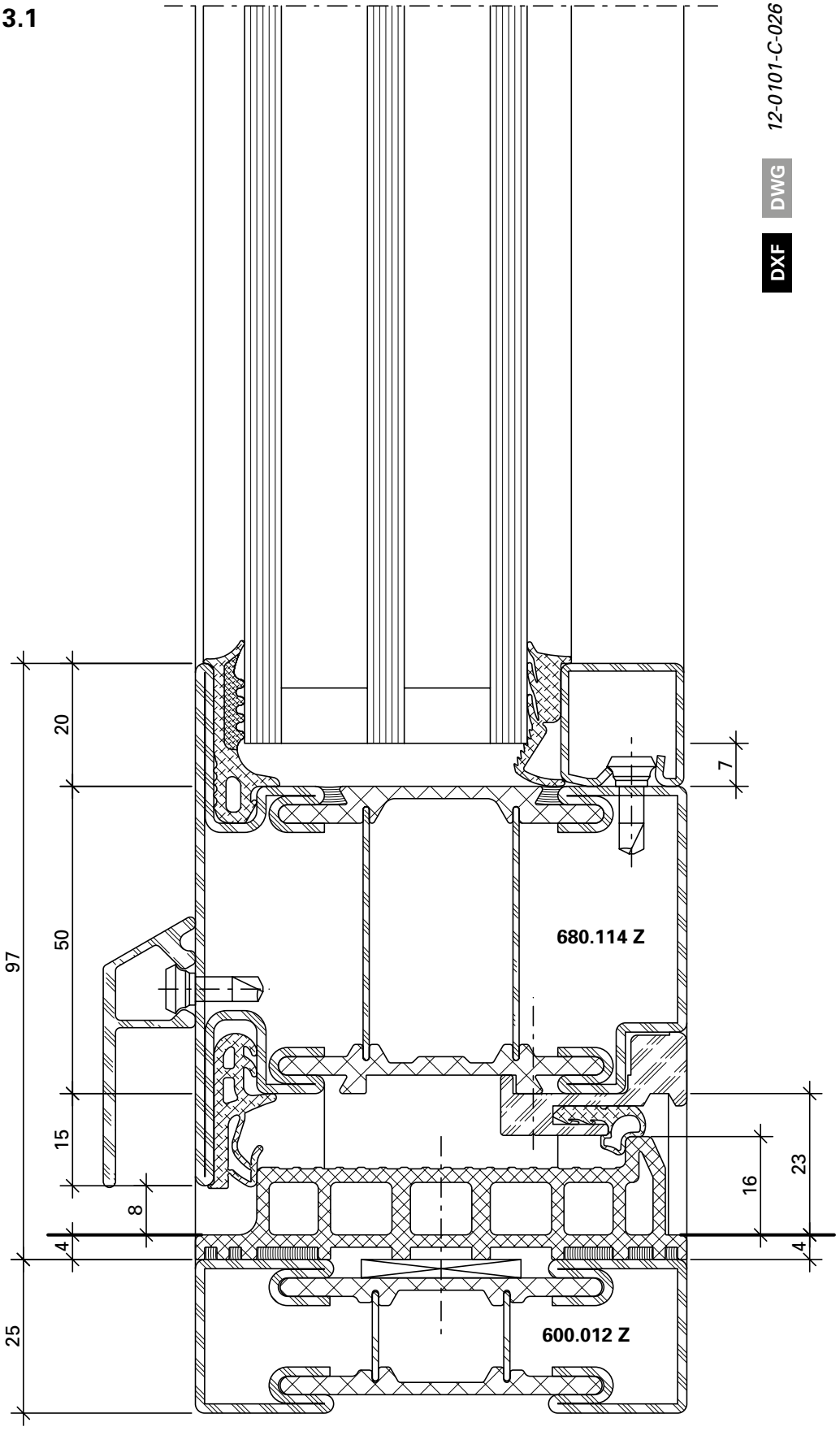
12-0101-C-027

DWG

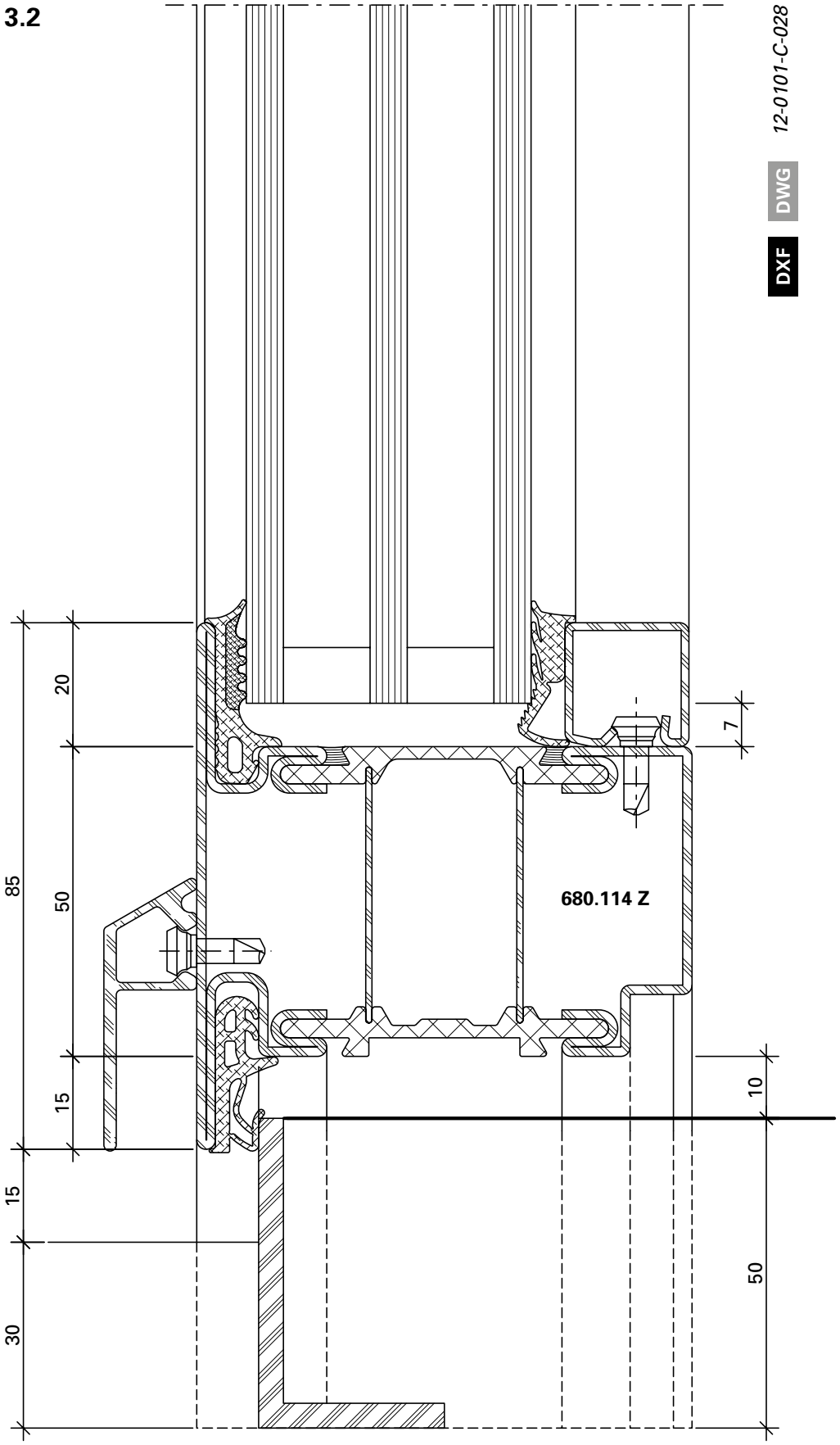
DXF



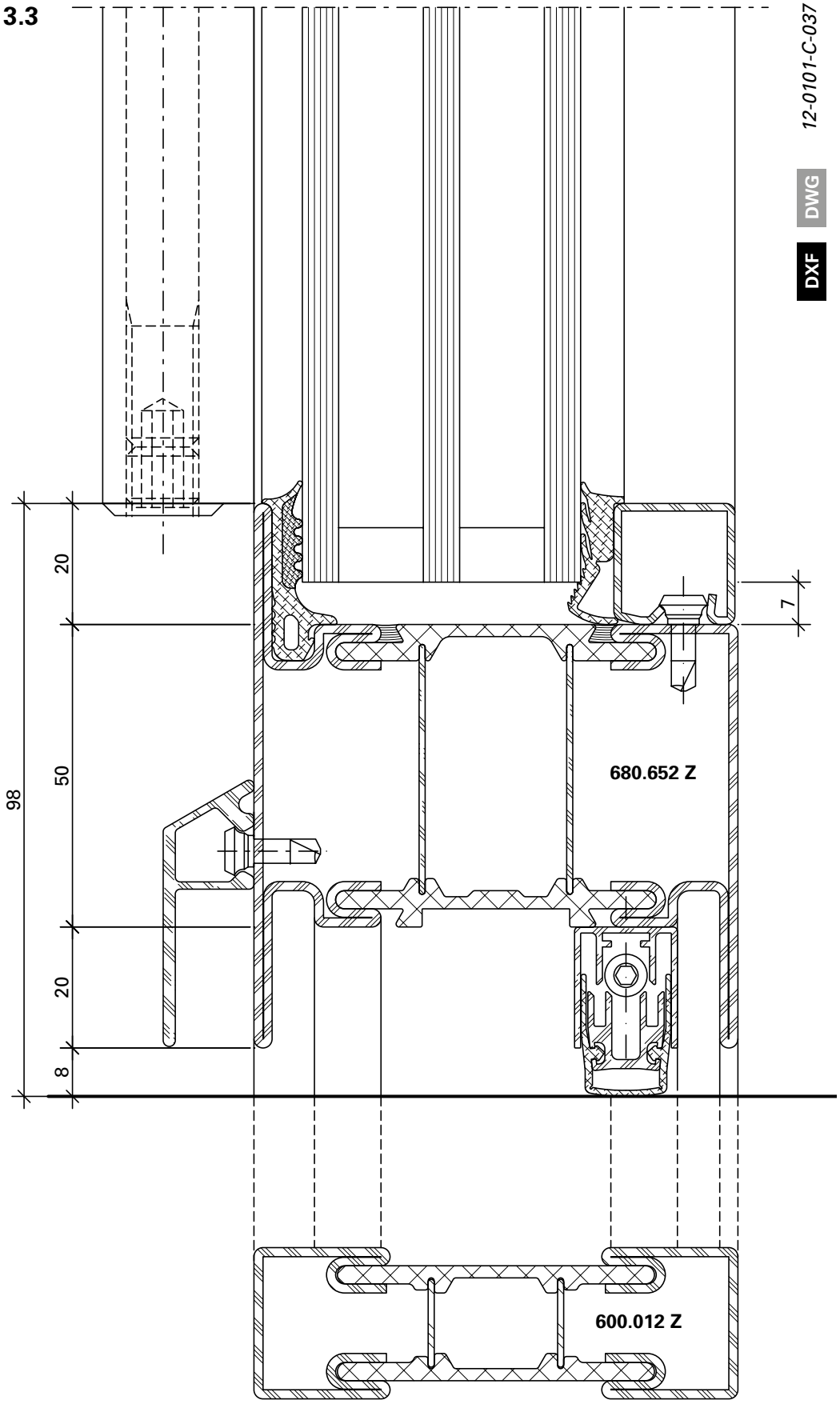
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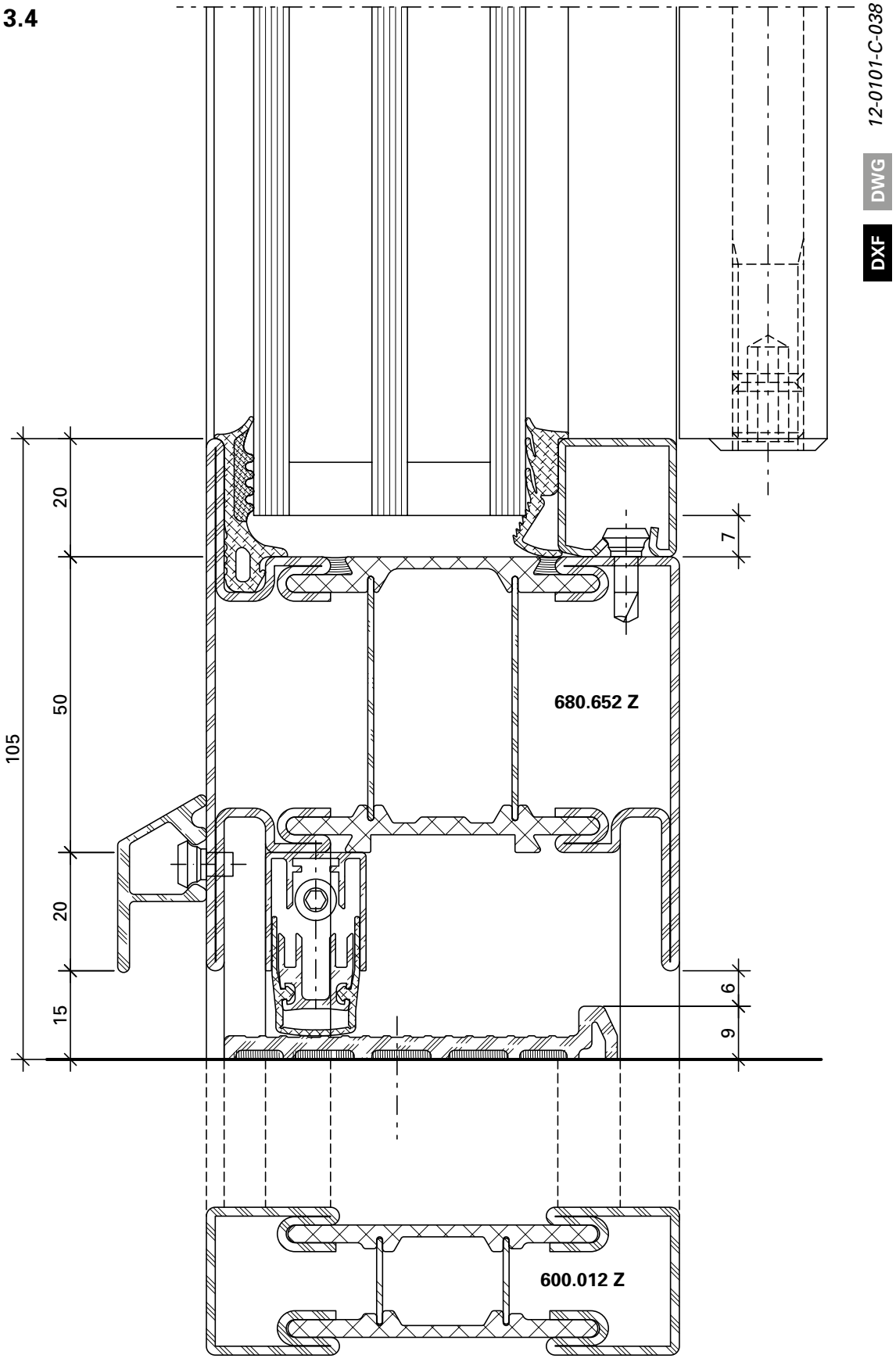
3.2



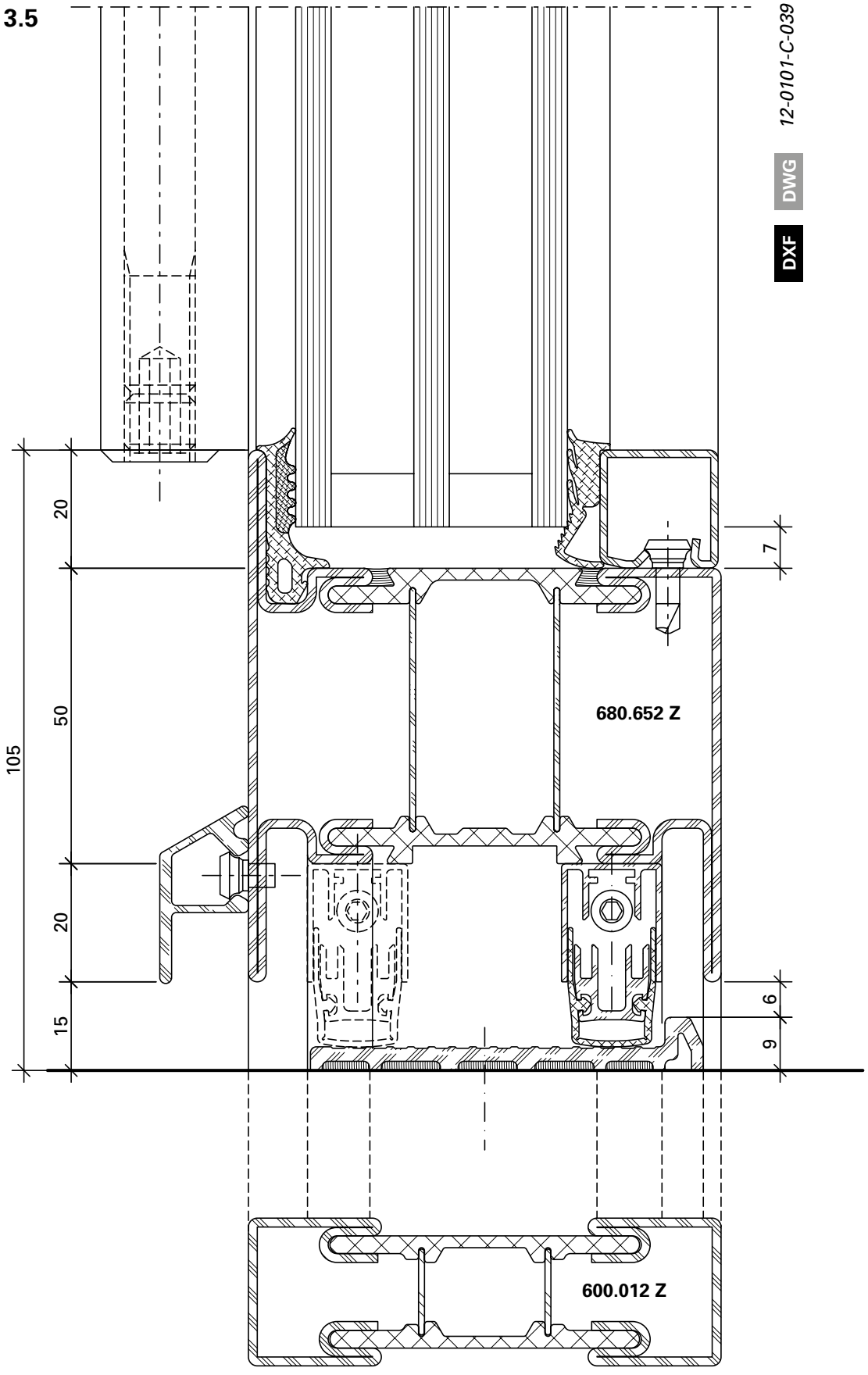
3.3



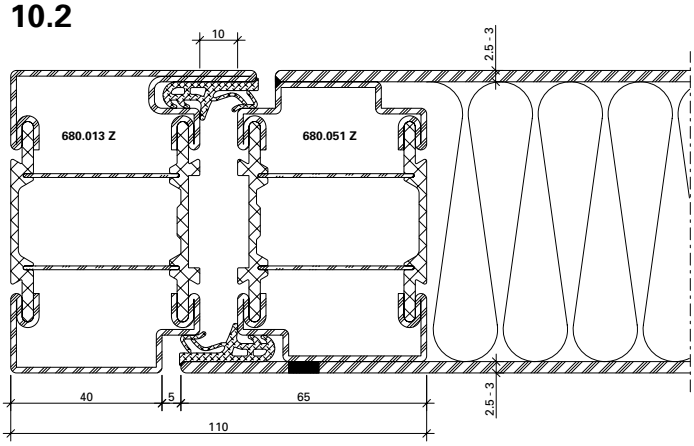
3.4



3.5

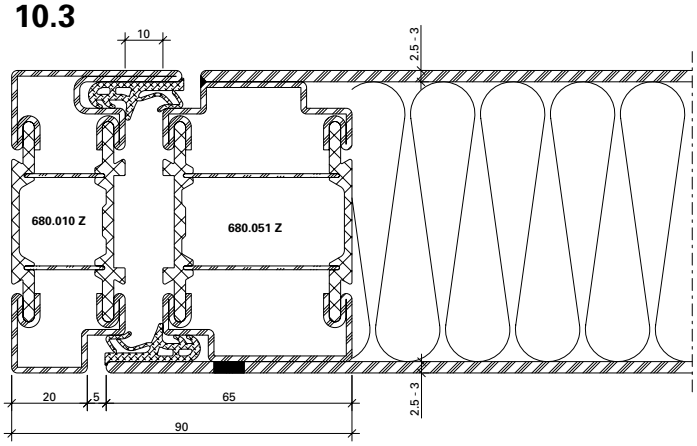


10.2



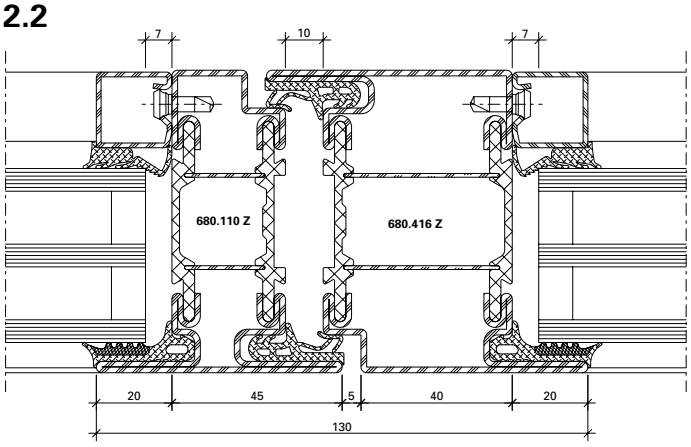
DXF DWG *12-0102-C-054*

10.3



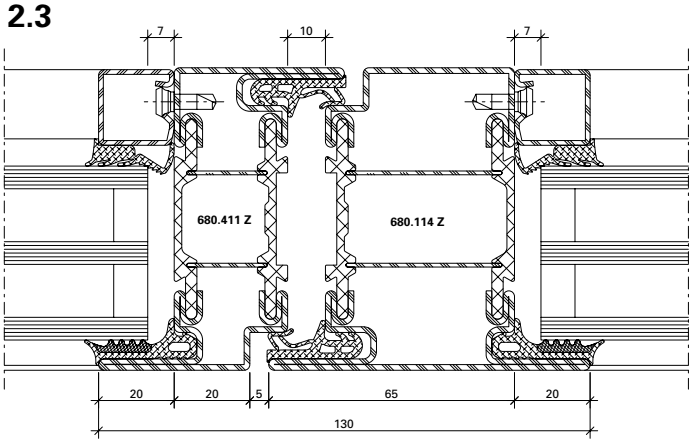
DXF DWG *12-0102-C-055*

2.2



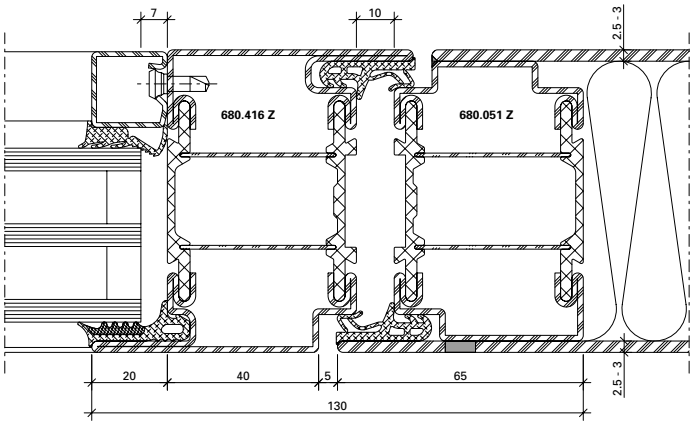
DXF DWG *12-0101-C-033*

2.3



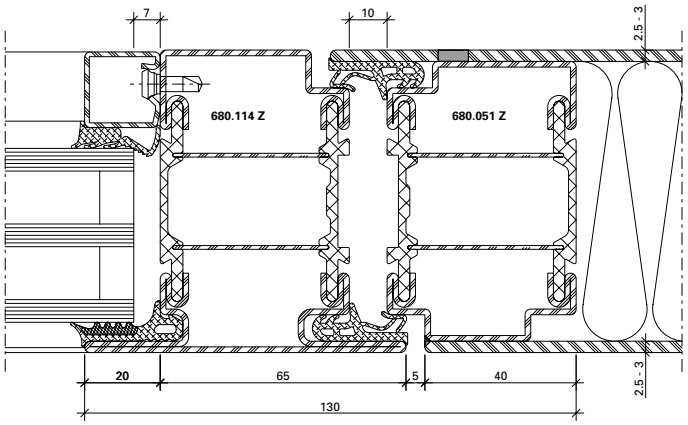
DXF DWG *12-0101-C-034*

11.0



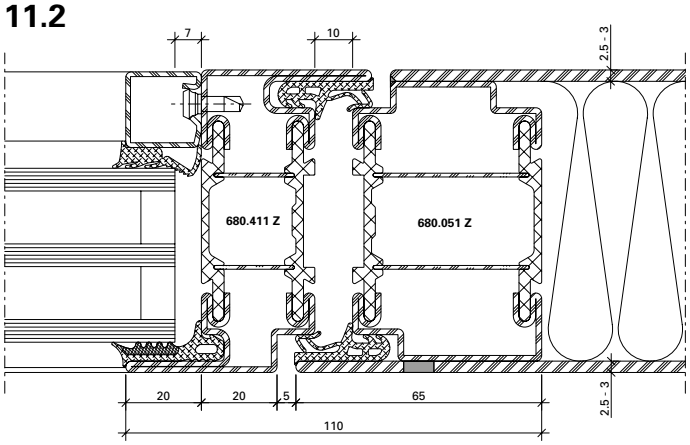
DXF DWG *12-0102-C-059*

11.1



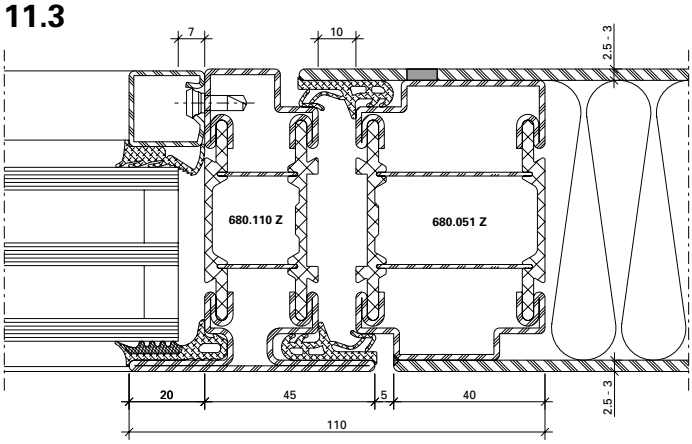
DXF DWG *12-0102-C-060*

11.2



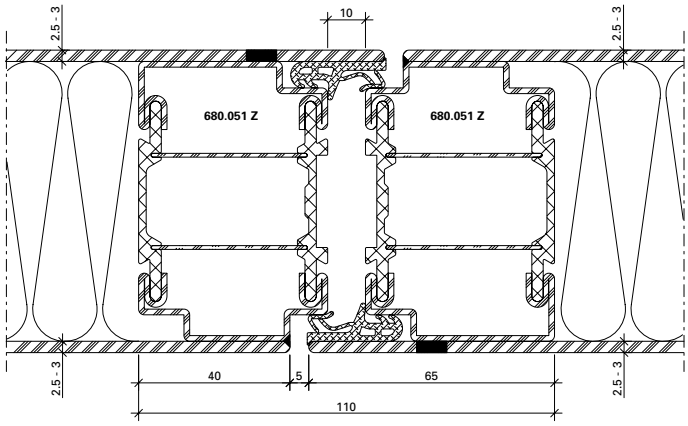
DXF **DWG** *12-0102-C-061*

11.3



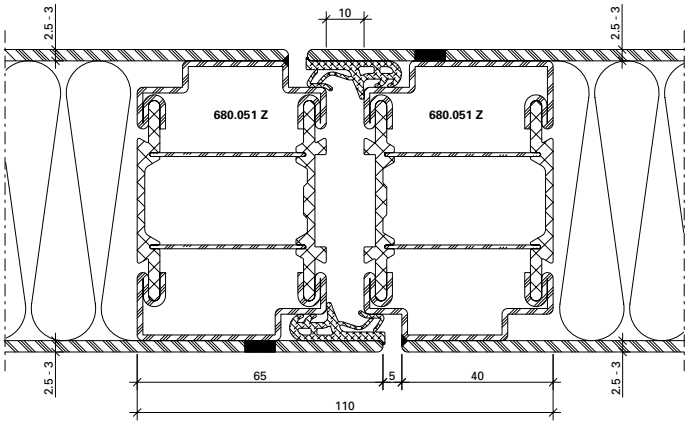
DXF **DWG** *12-0102-C-062*

12.0



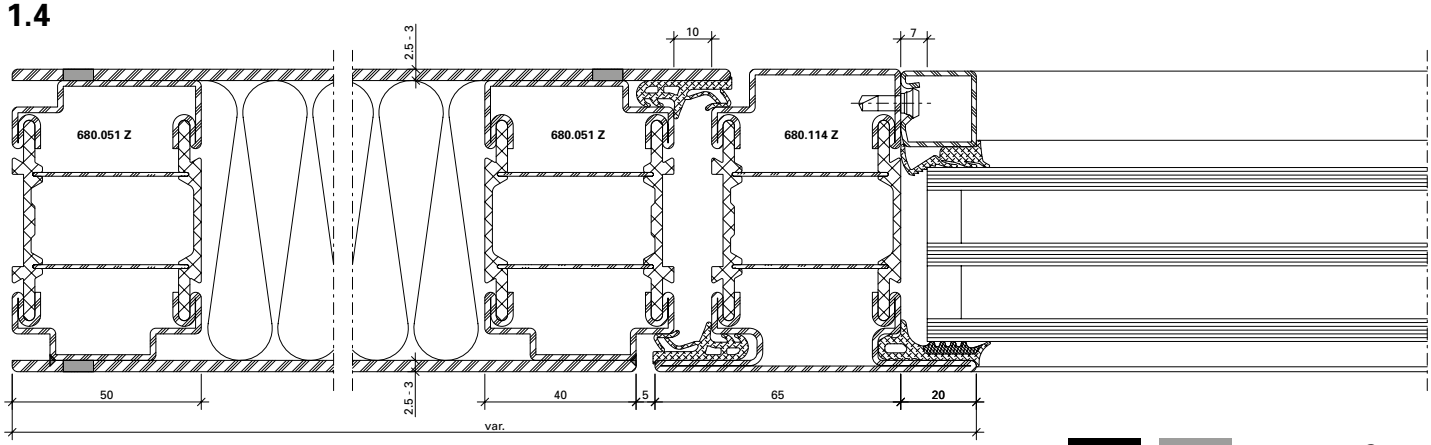
DXF **DWG** *12-0102-C-057*

12.1



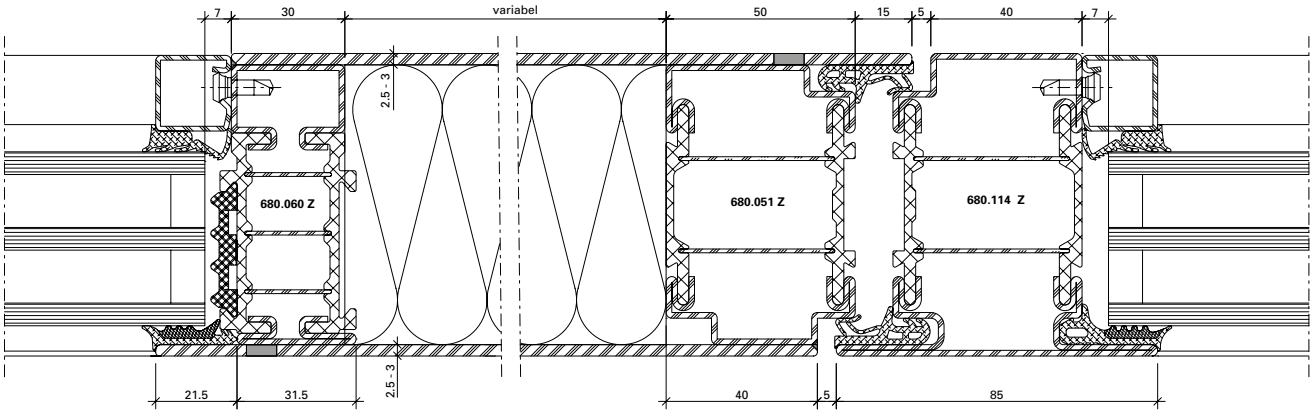
DXF **DWG** *12-0102-C-058*

1.4



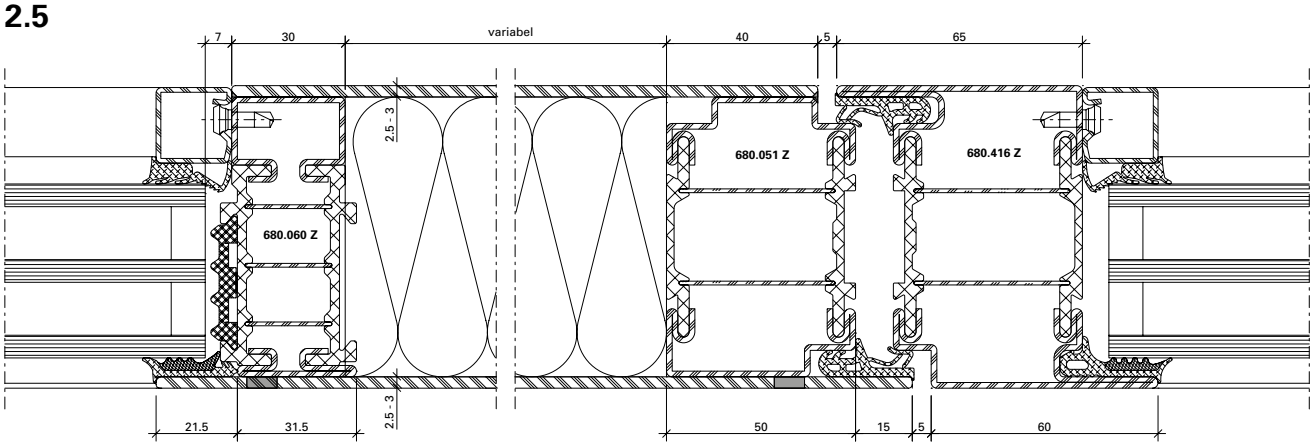
DXF **DWG** *12-0101-C-029*

2.4



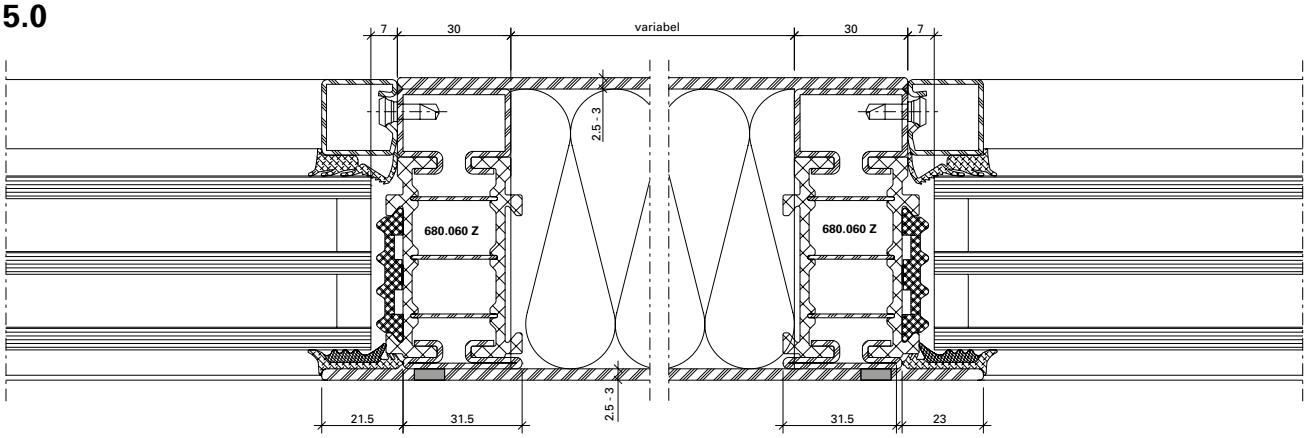
DXF **DWG** *12-0102-C-063*

2.5



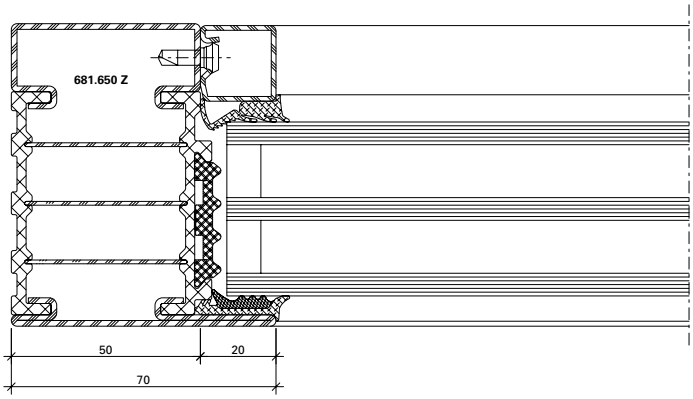
DXF **DWG** *12-0102-C-064*

5.0



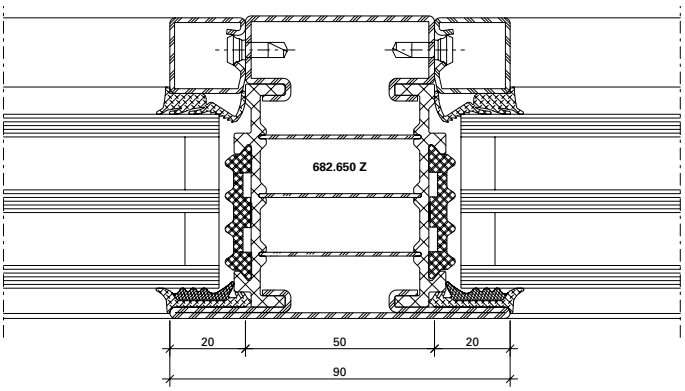
DXF **DWG** *12-0102-C-065*

4.0



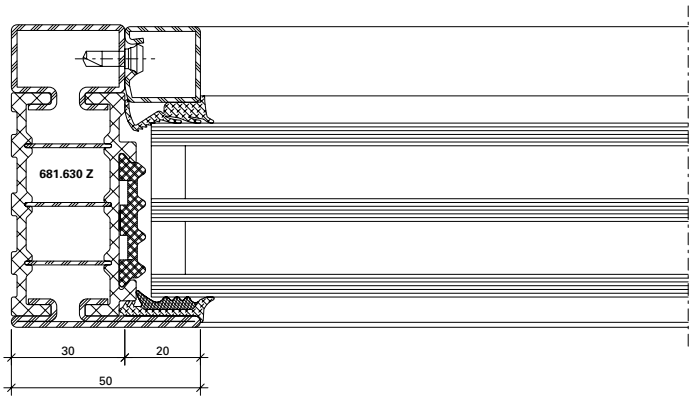
DXF DWG *12-0201-C-012*

5.1



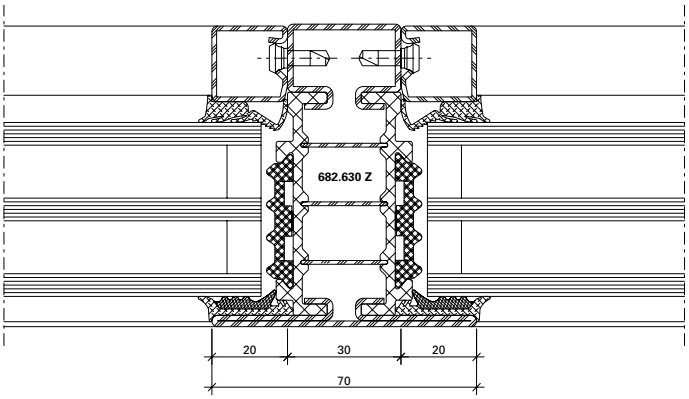
DXF DWG *12-0201-C-014*

4.1



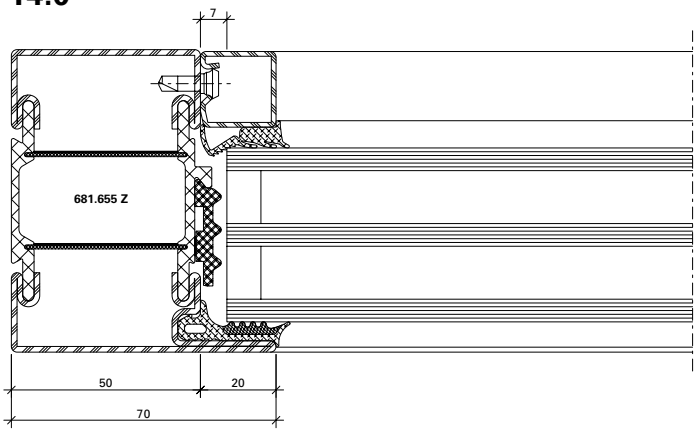
DXF DWG *12-0201-C-013*

5.2



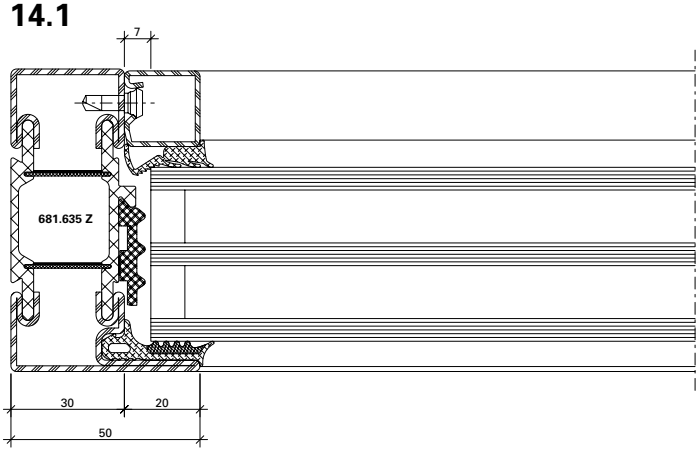
DXF DWG *12-0201-C-015*

14.0



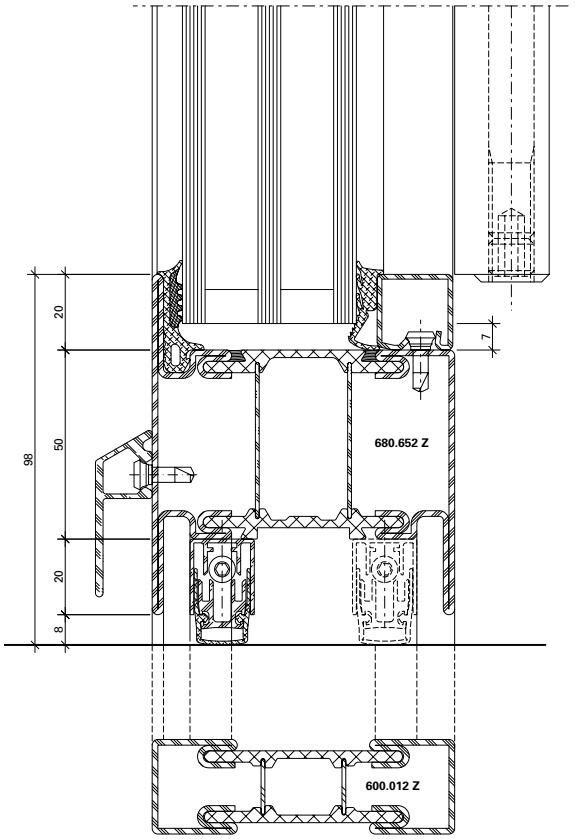
DXF DWG *12-0204-C-003*

14.1



DXF DWG *12-0204-C-004*

3.6

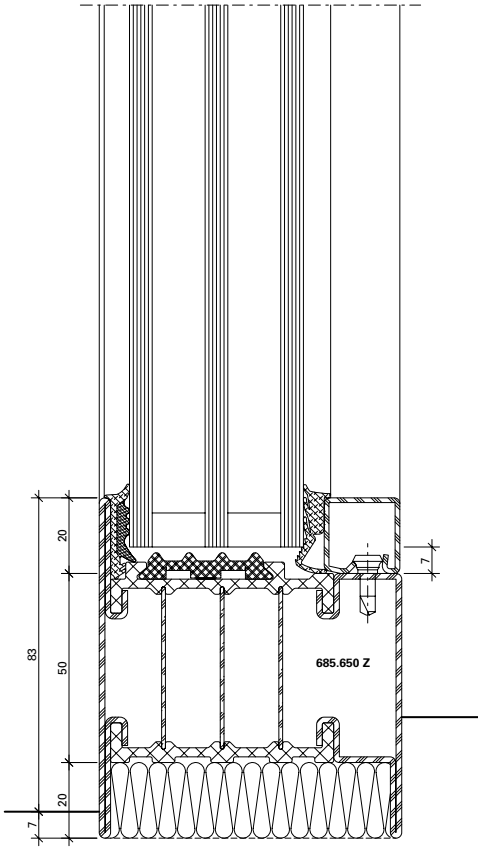


12-0101-C-040

DWG

DXF

7.0

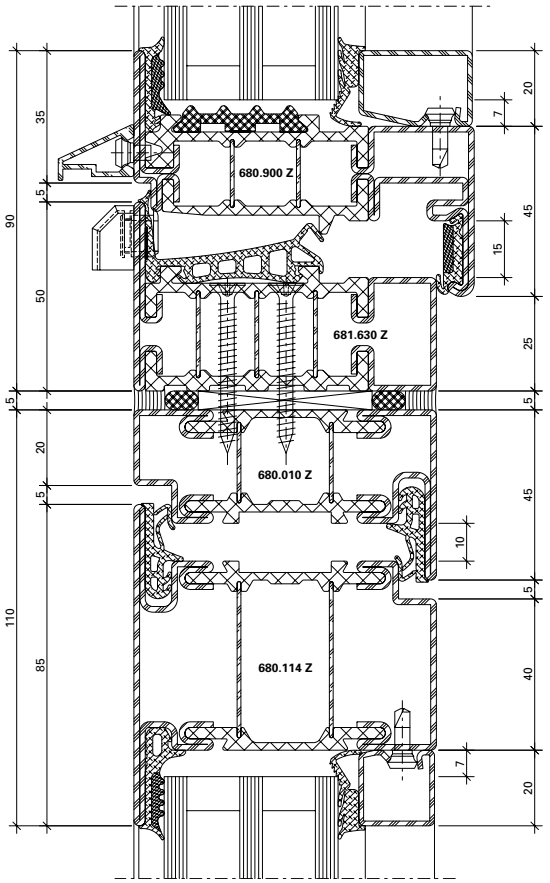


12-0101-C-012

DWG

DXF

8.0

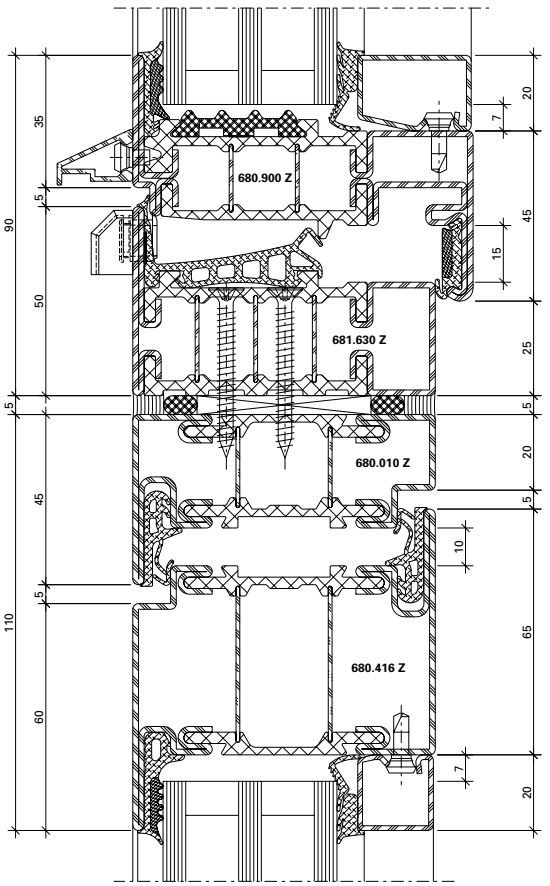


12-0101-C-035

DWG

DXF

8.1

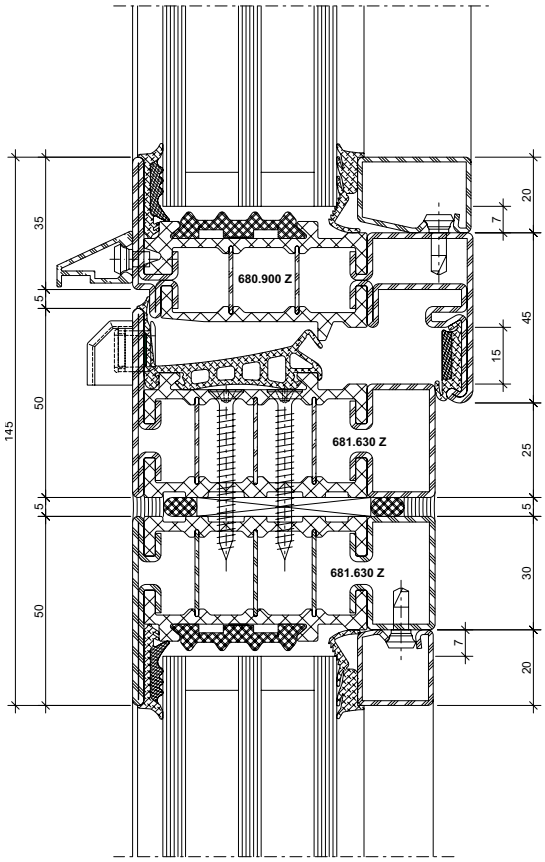


12-0101-C-036

DWG

DXF

9.0

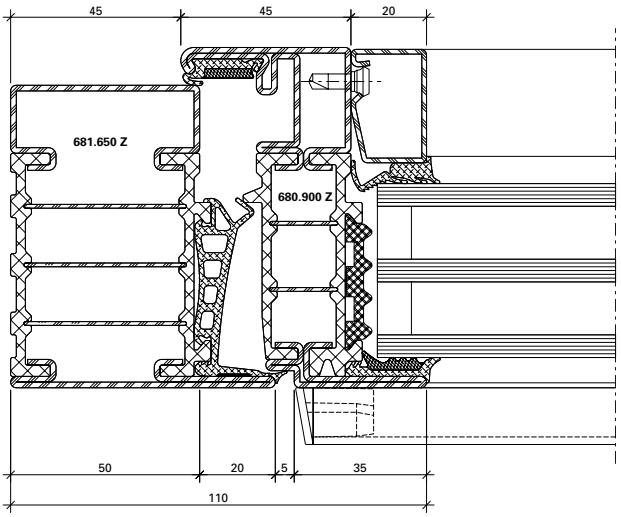


12-0101-C-041

DWG

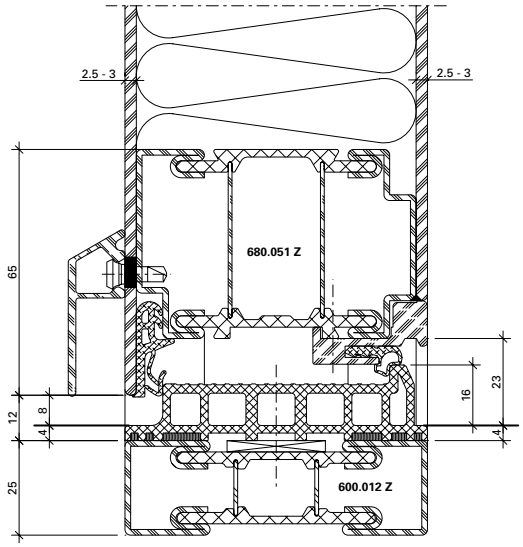
DXF

6.0



DXF DWG *12-0201-C-001*

13.0

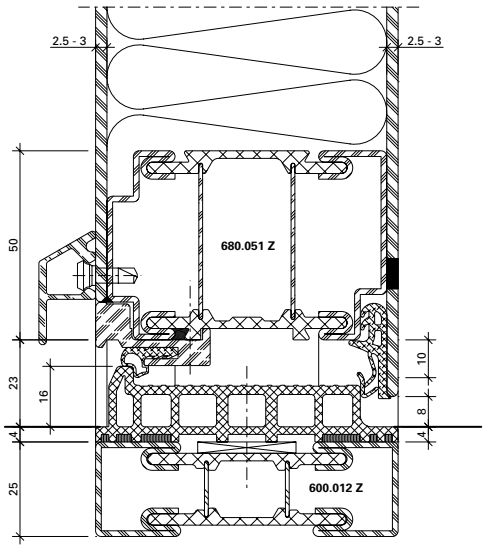


12-0102-C-067

DWG

DXF

13.1

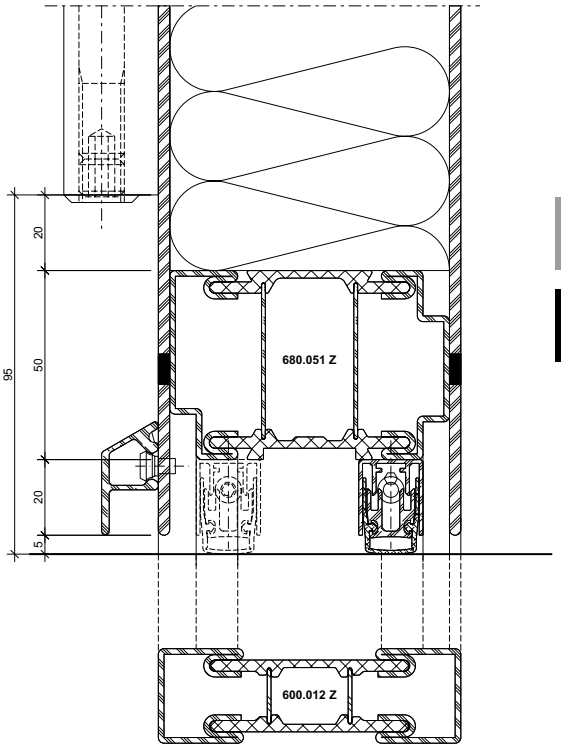


12-0102-C-066

DWG

DXF

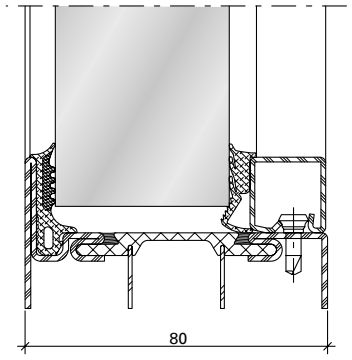
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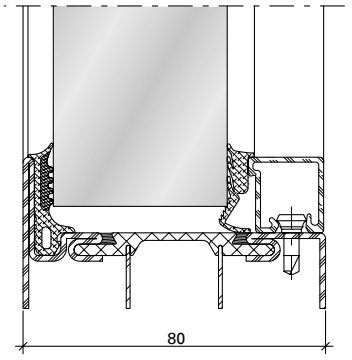


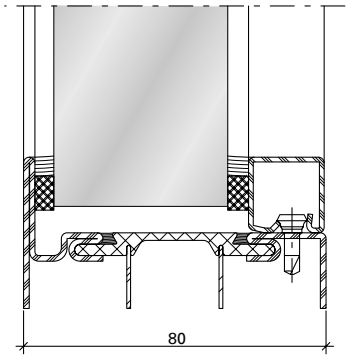
12-0102-C-023

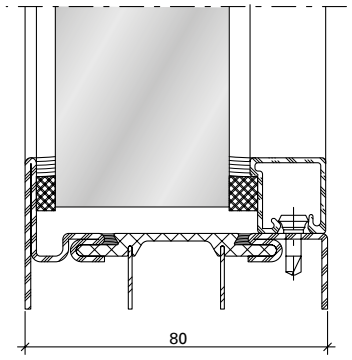
DWG

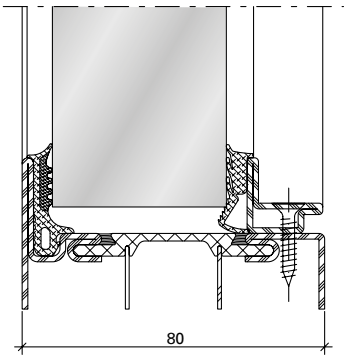
DXF

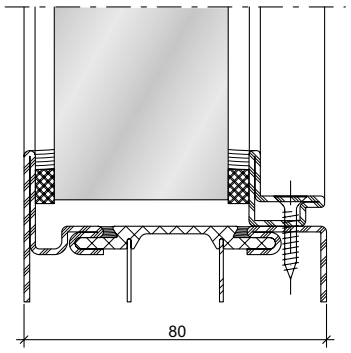

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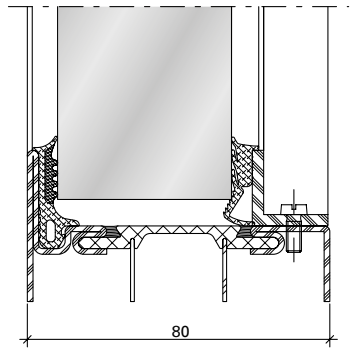

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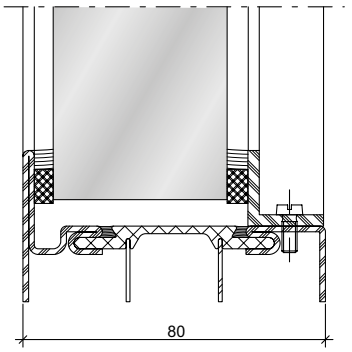

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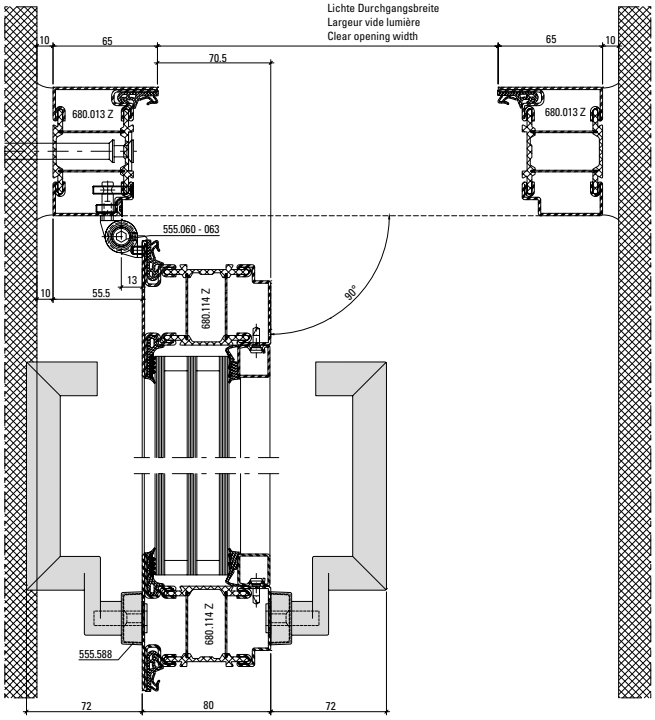

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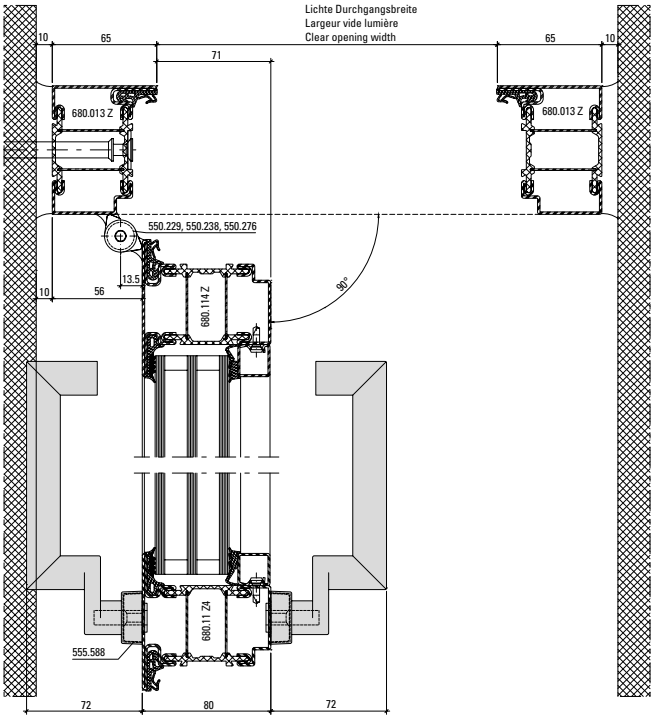

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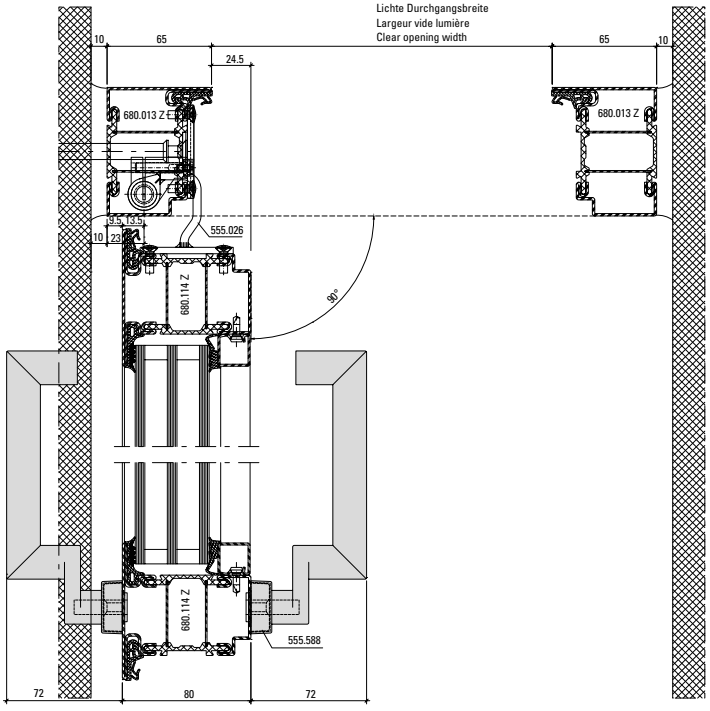

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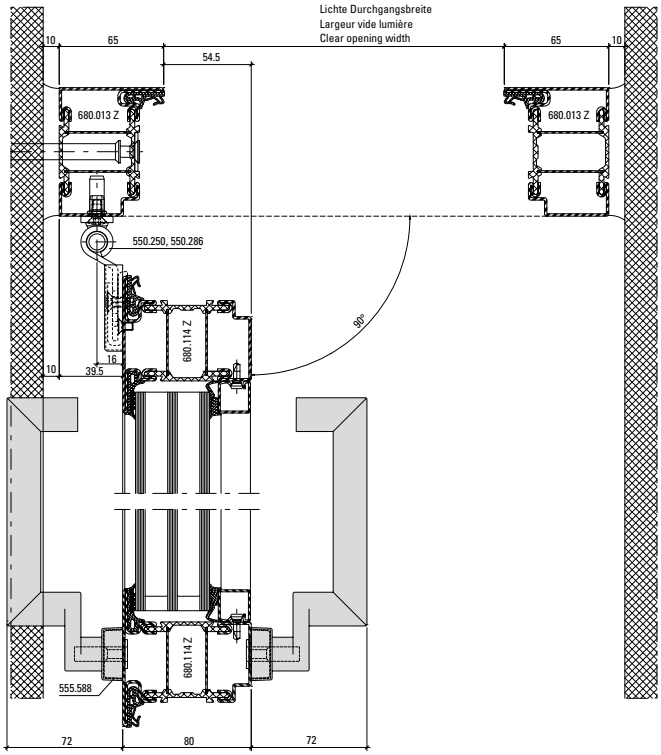
DXF **DWG** *12-0101-E-043*



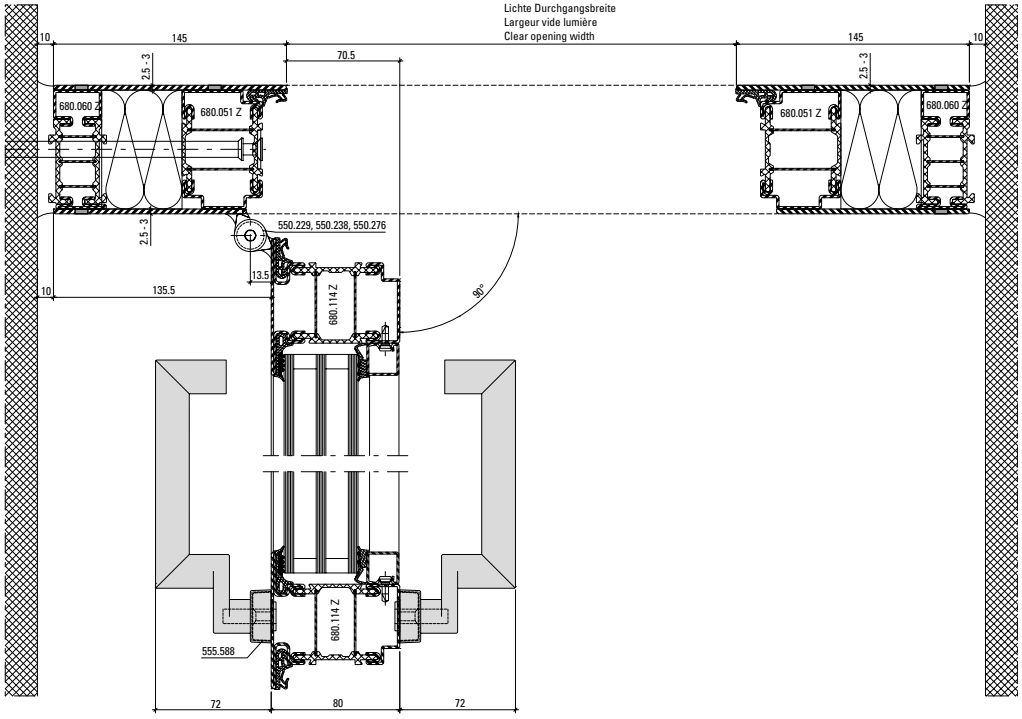
DXF **DWG** *12-0101-E-044*



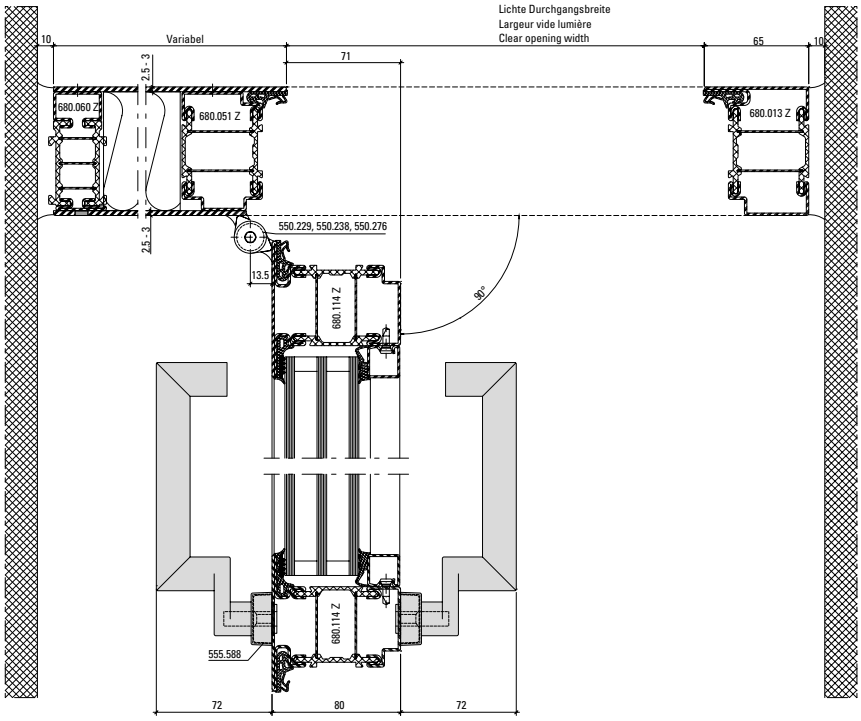
DXF **DWG** *12-0101-E-045*



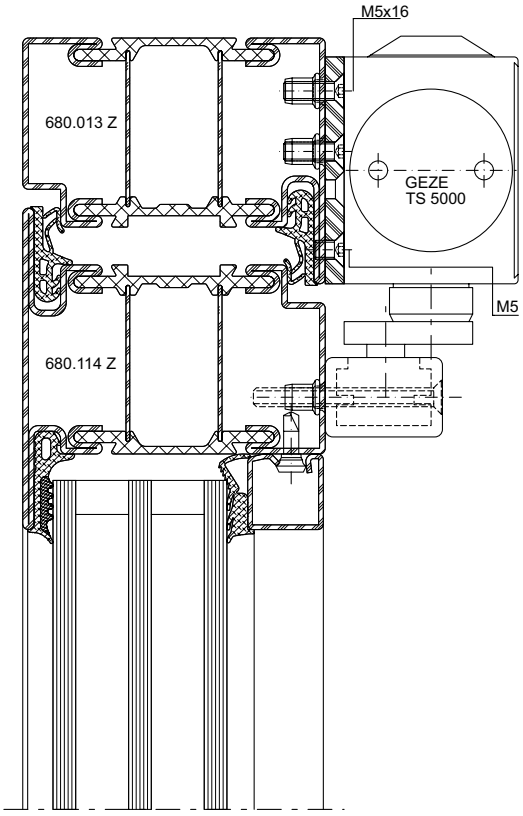
DXF **DWG** *12-0101-E-046*



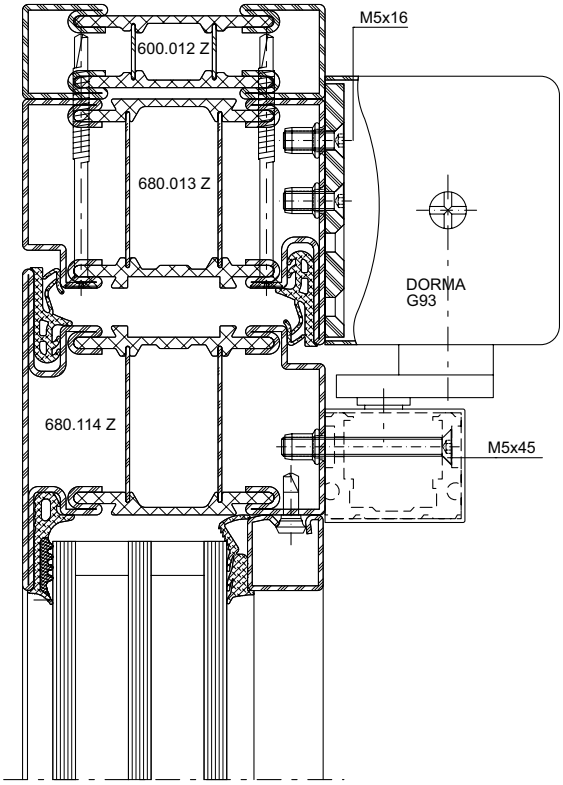
DXF **DWG** *12-0101-E-047*



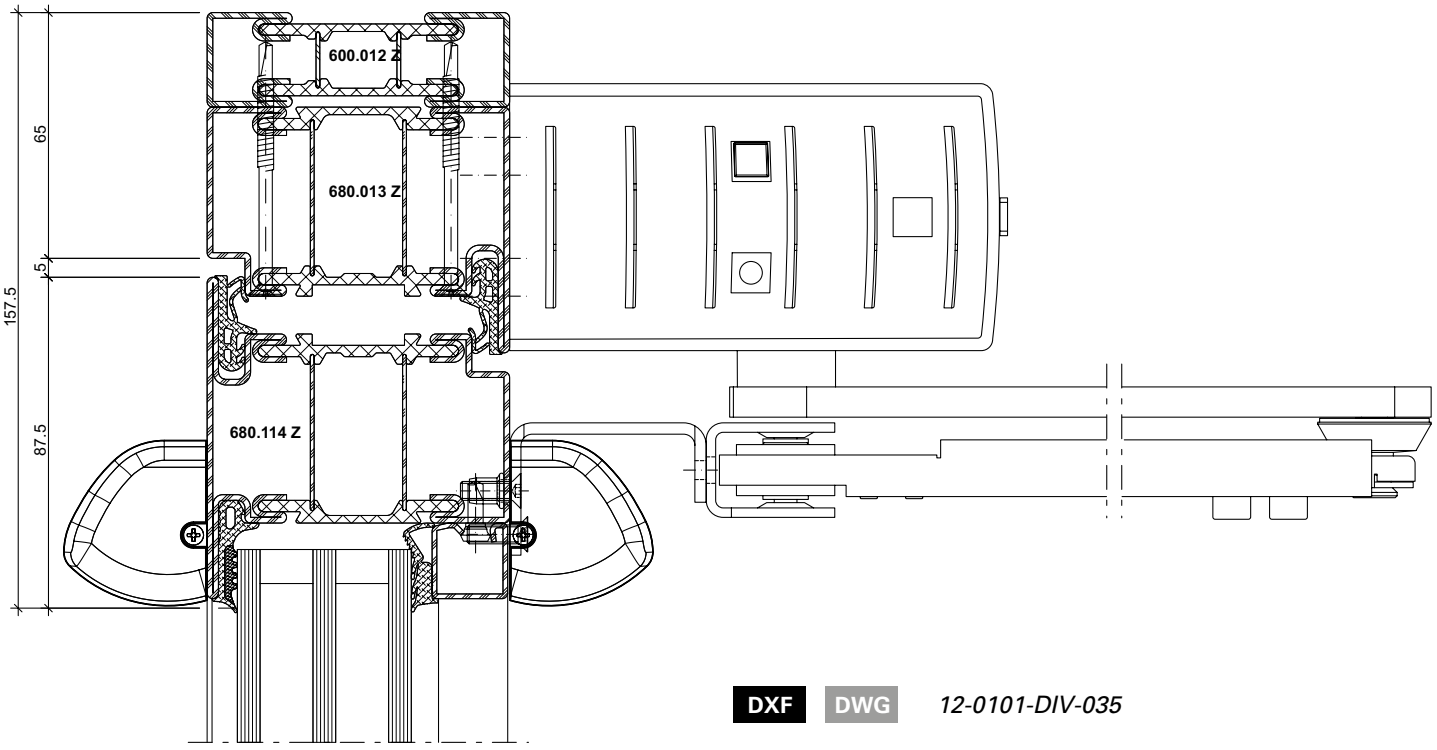
DXF **DWG** *12-0101-E-048*



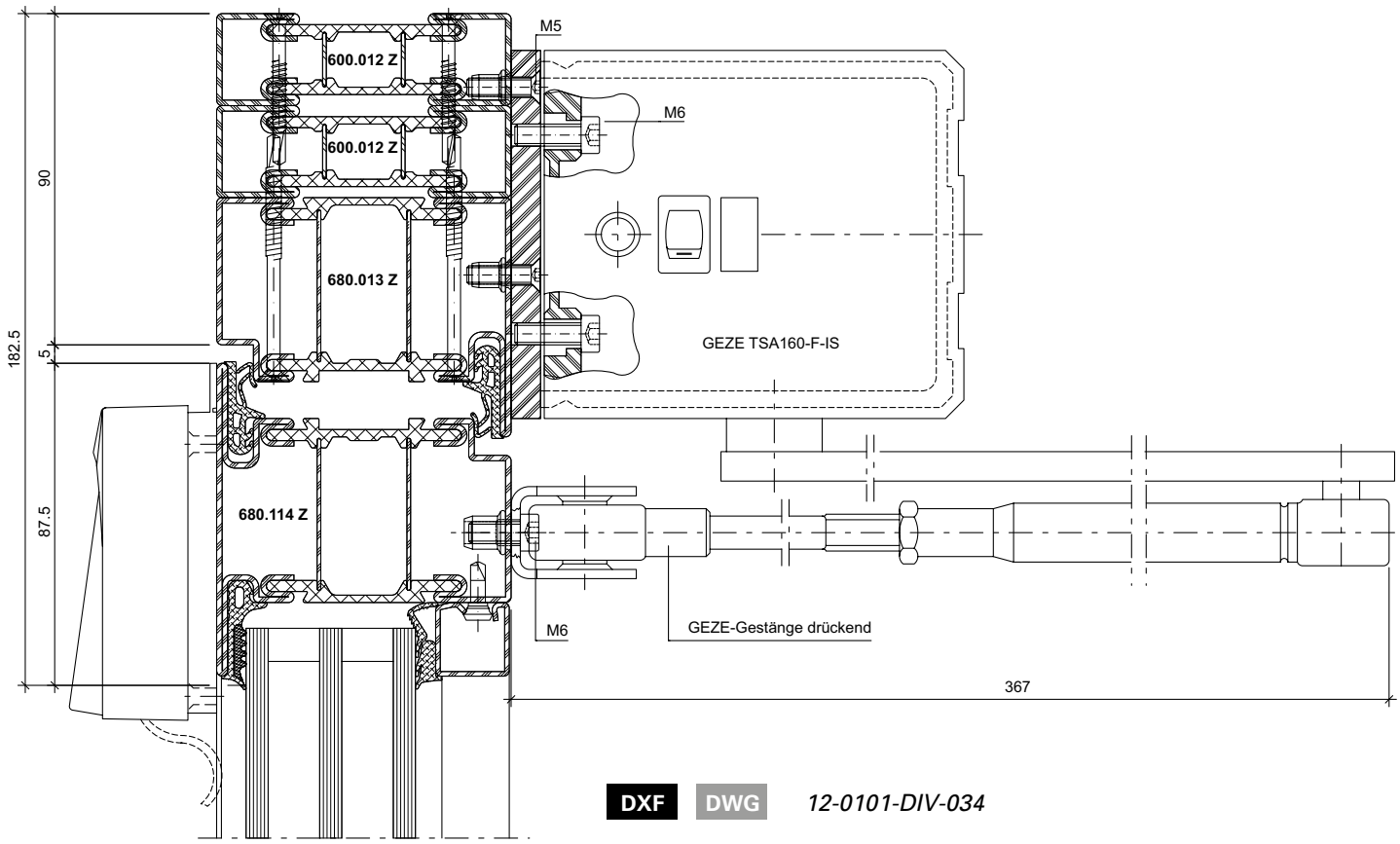
DXF **DWG** *12-0101-DIV-033*



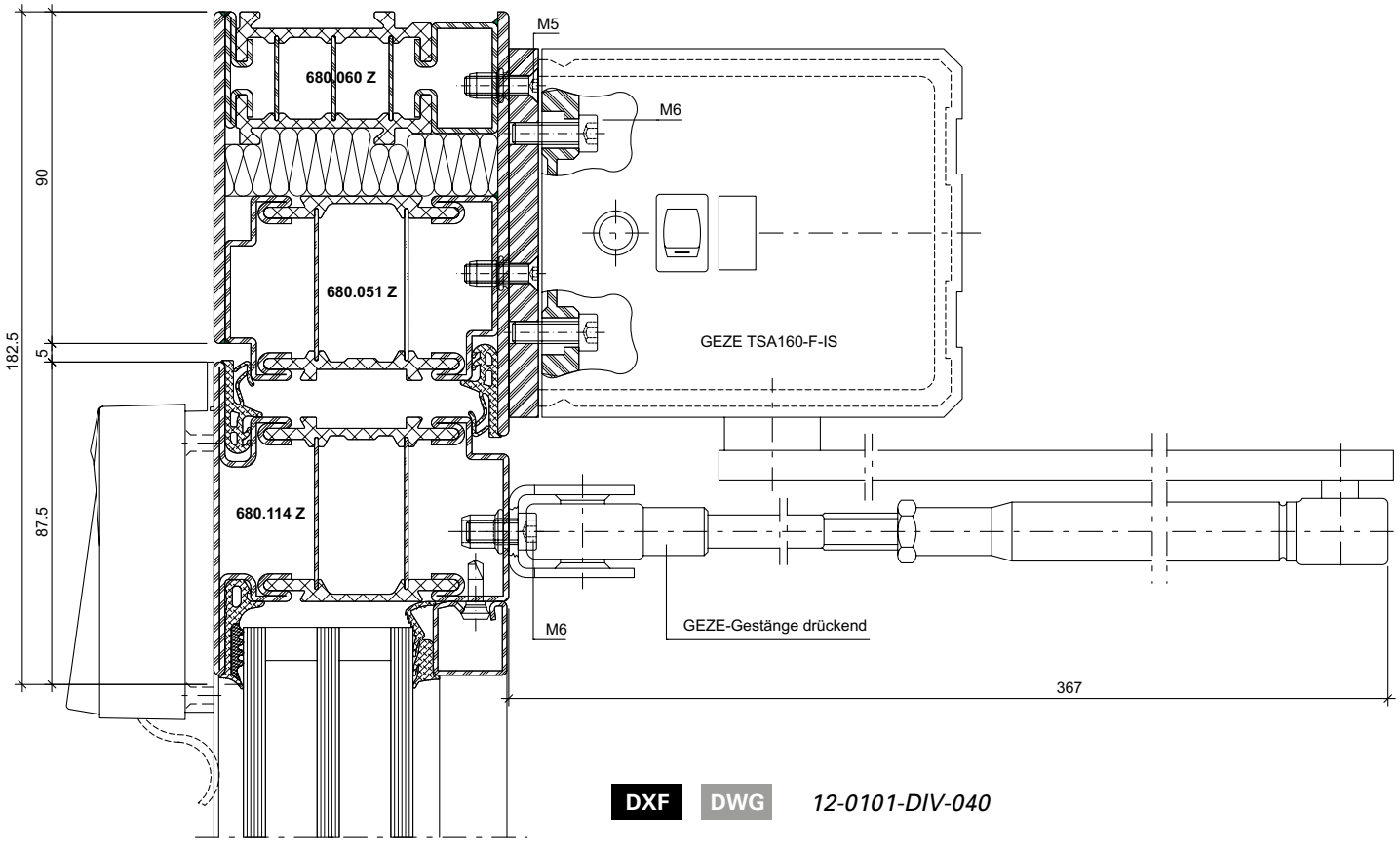
DXF **DWG** *12-0101-DIV-036*



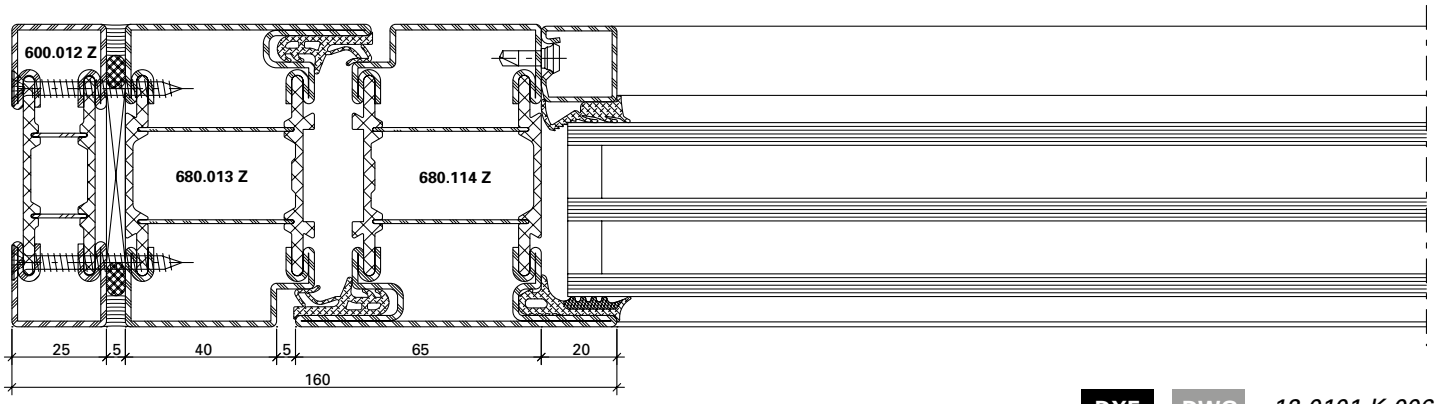
DXF **DWG** *12-0101-DIV-035*



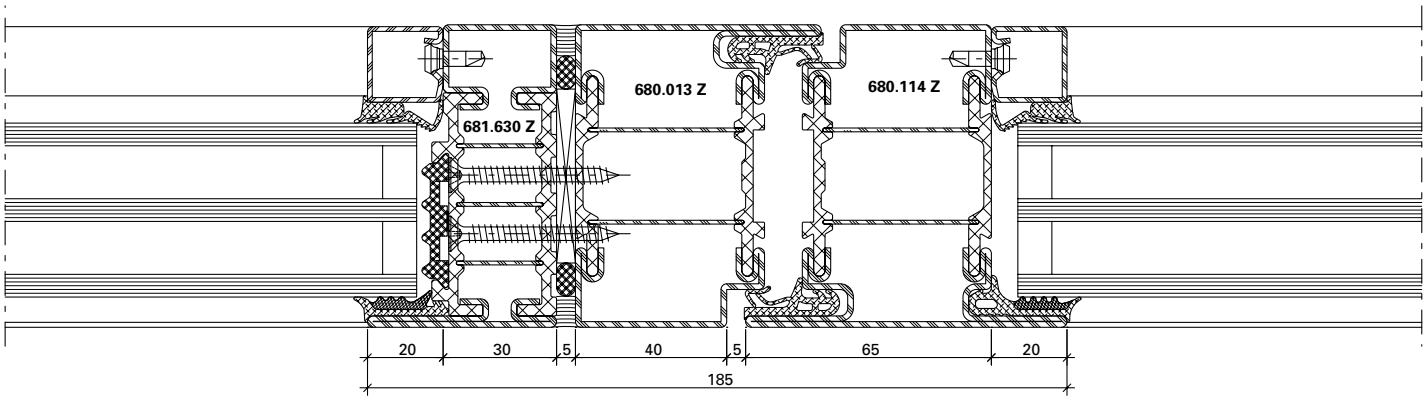
DXF **DWG** *12-0101-DIV-034*



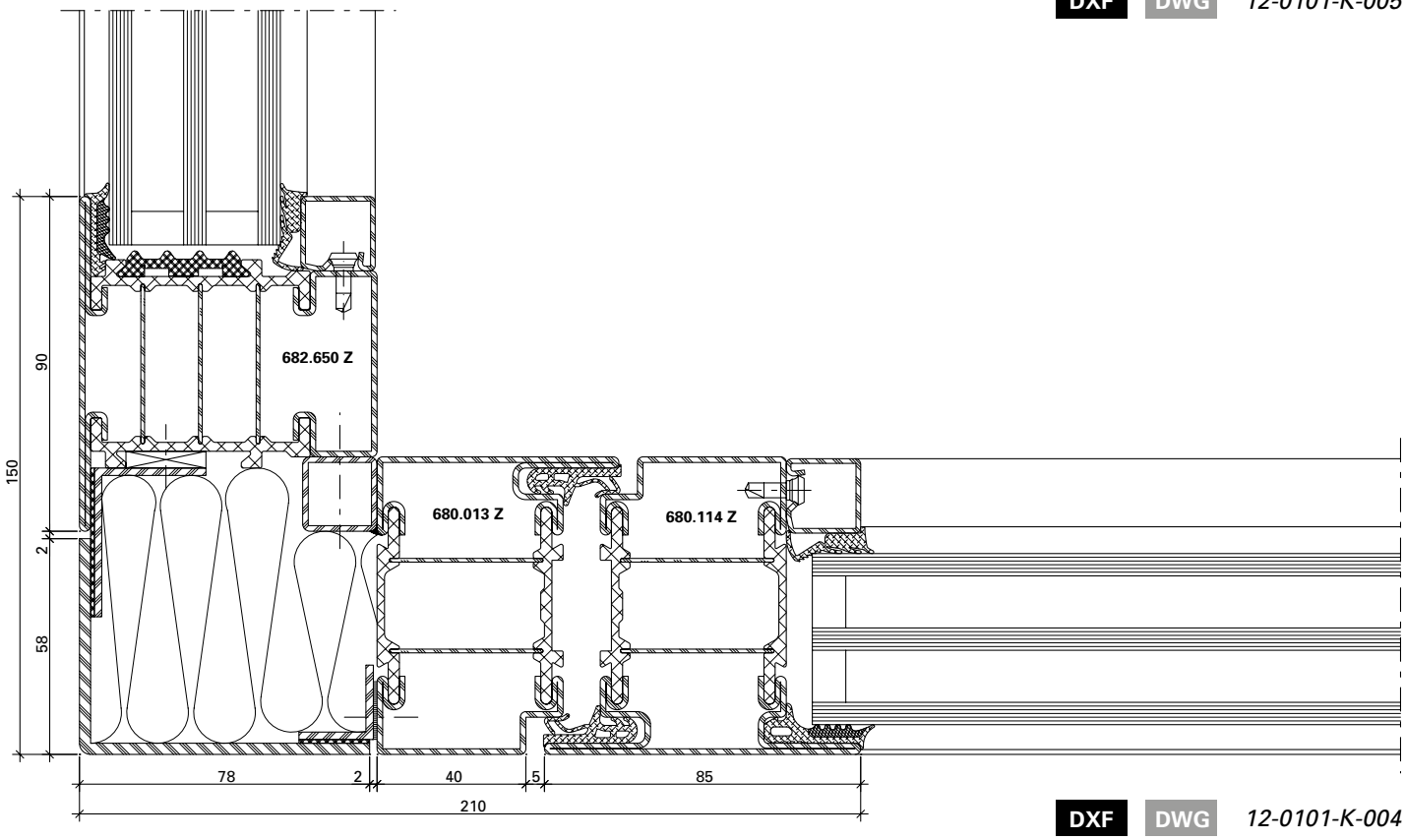
DXF **DWG** *12-0101-DIV-040*



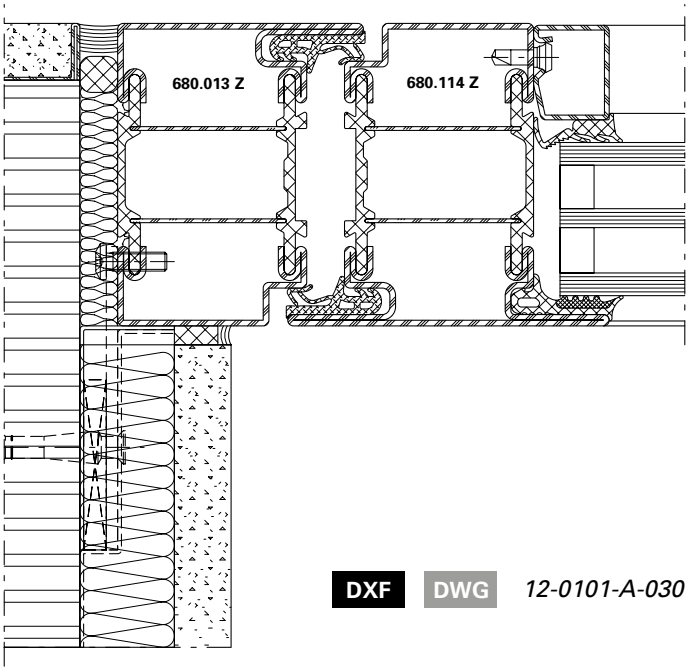
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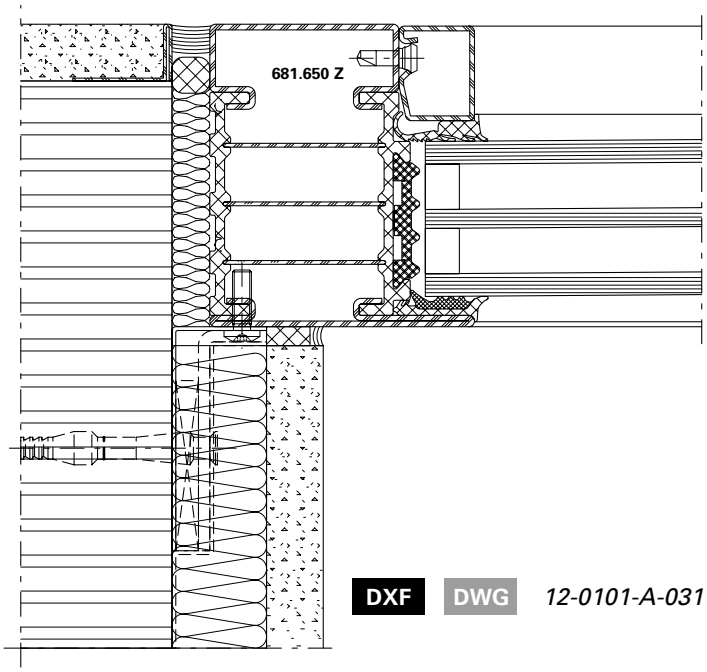
DXF **DWG** *12-0101-K-005*



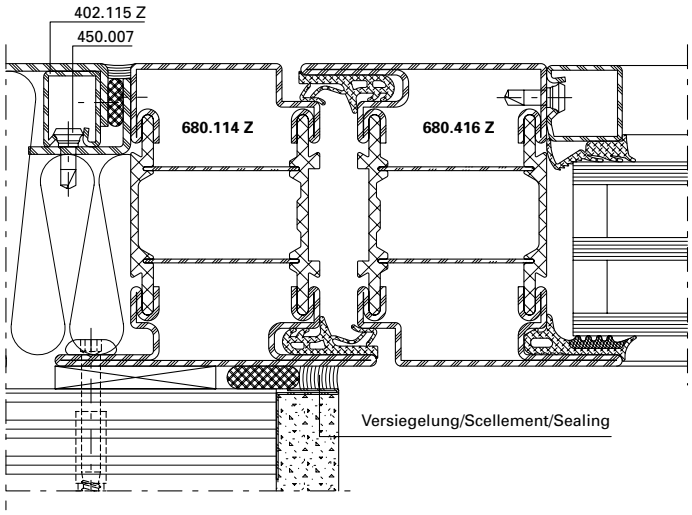
DXF **DWG** *12-0101-K-004*



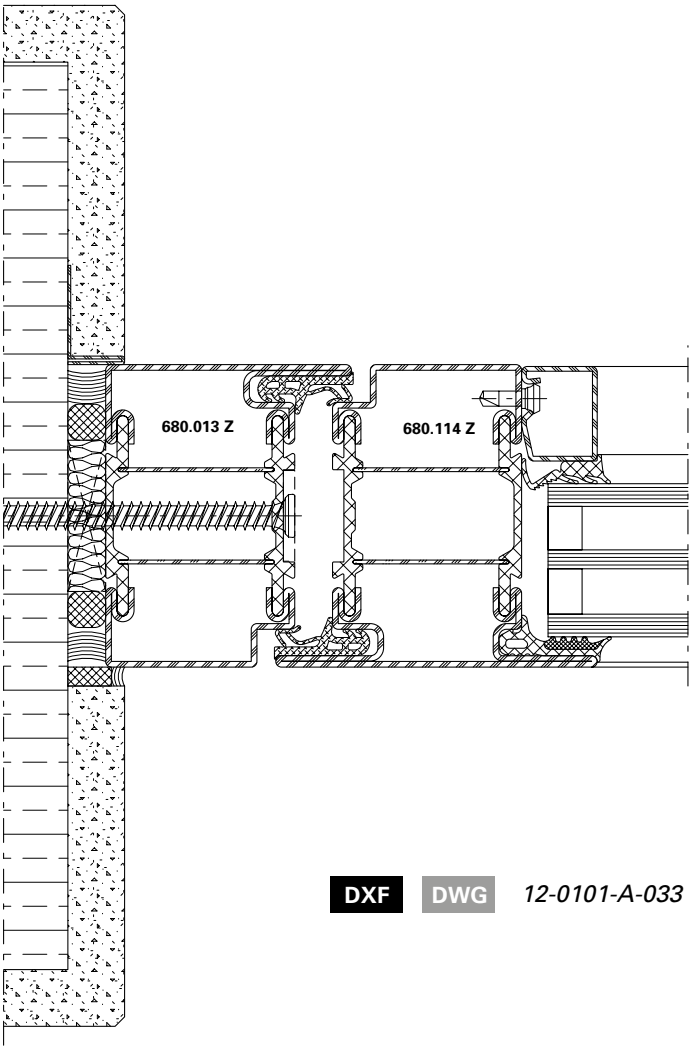
DXF DWG *12-0101-A-030*



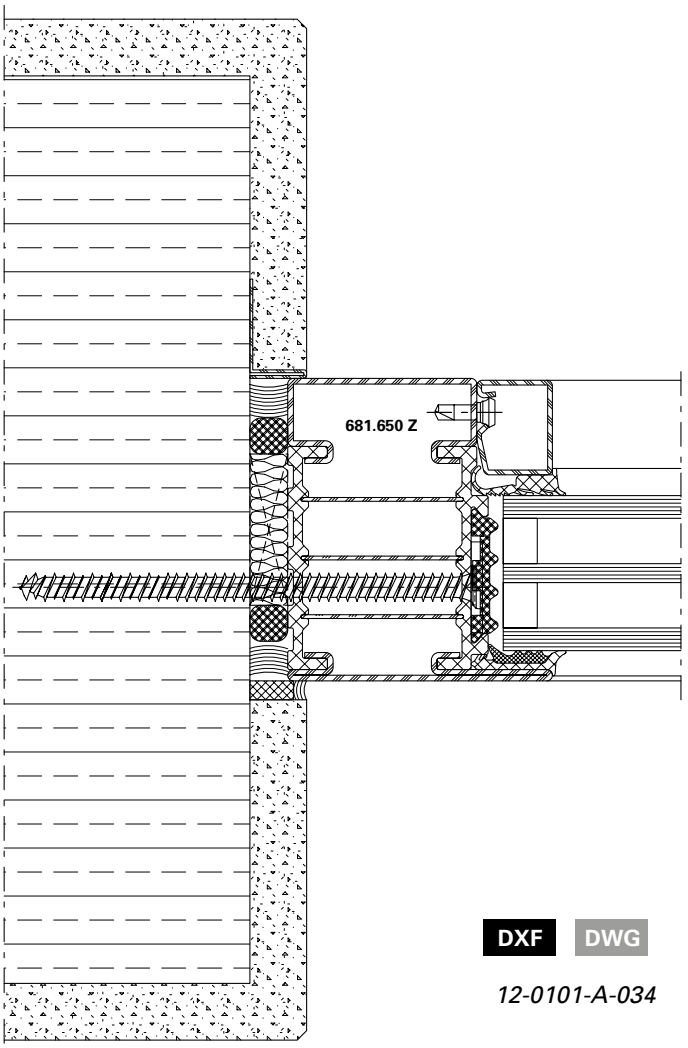
DXF DWG *12-0101-A-031*



DXF DWG *12-0101-A-032*

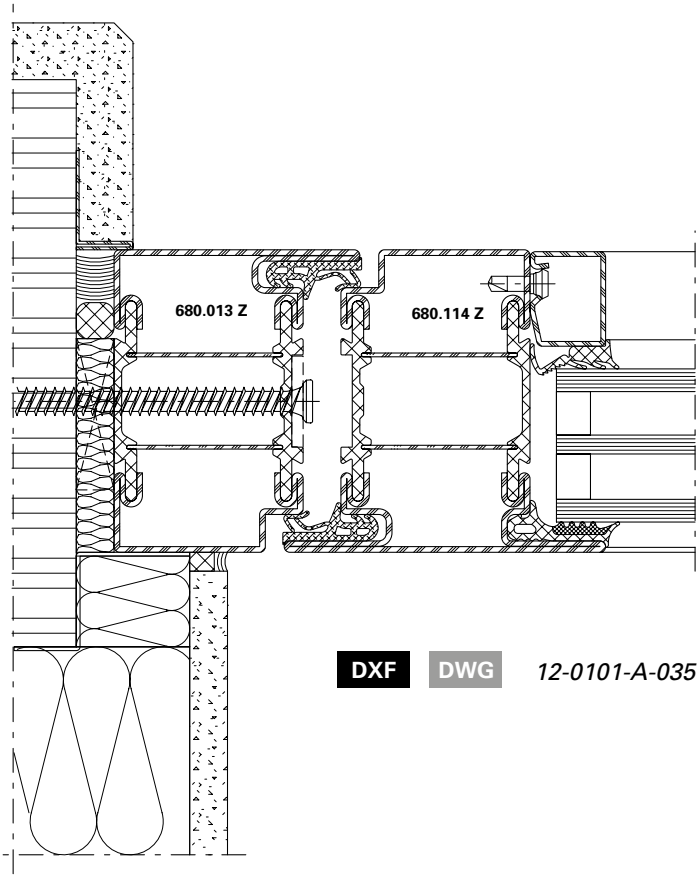


DXF DWG *12-0101-A-033*

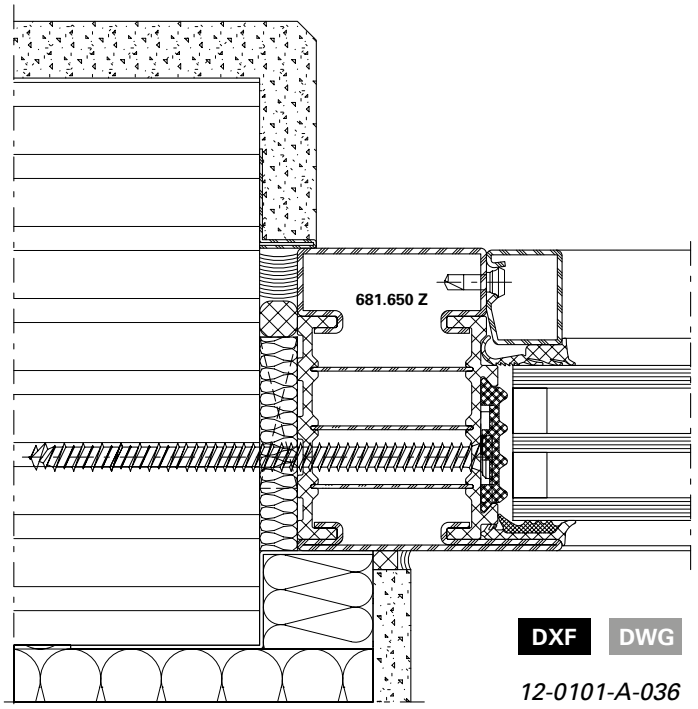


DXF **DWG**

12-0101-A-034

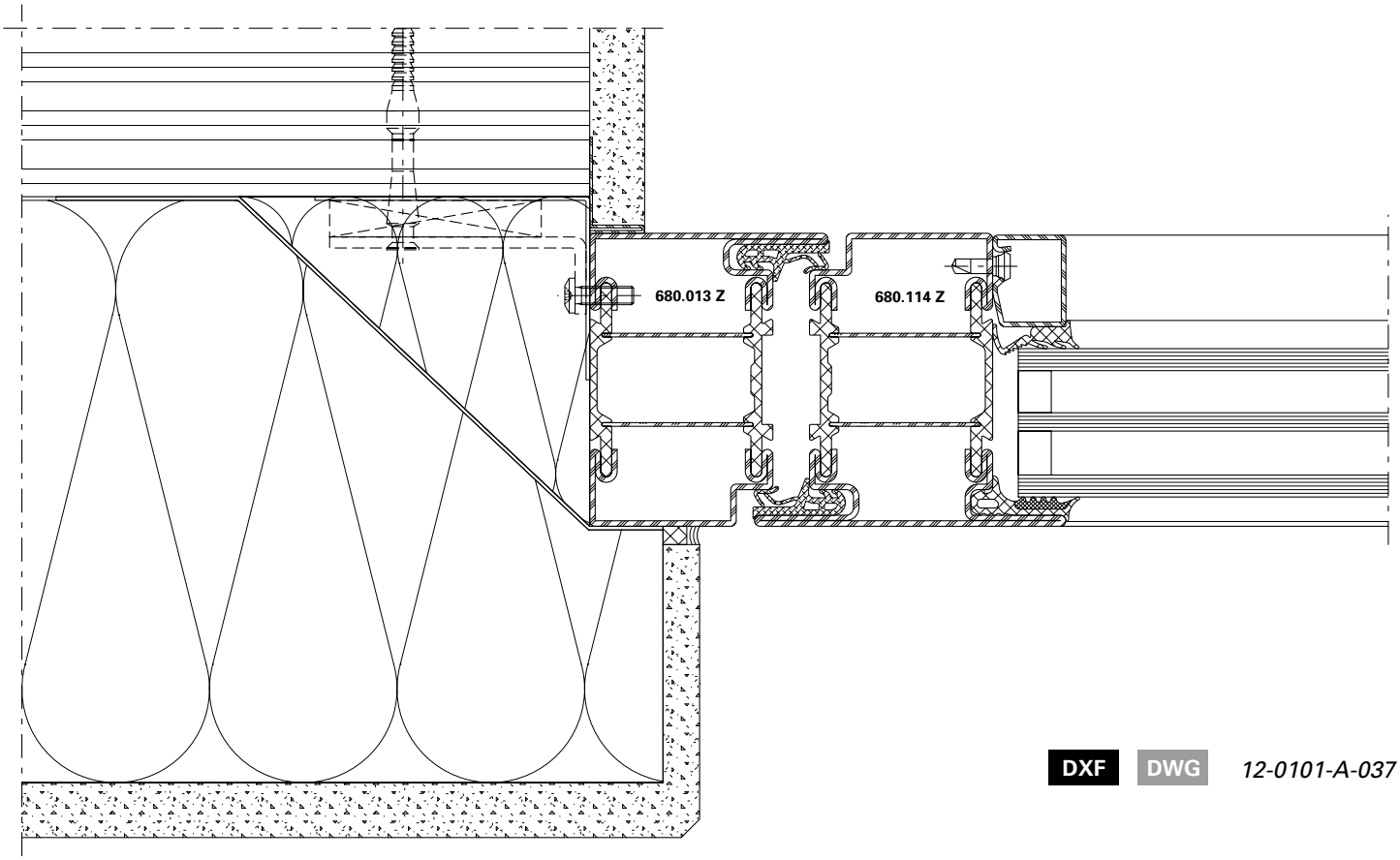


DXF **DWG** *12-0101-A-035*

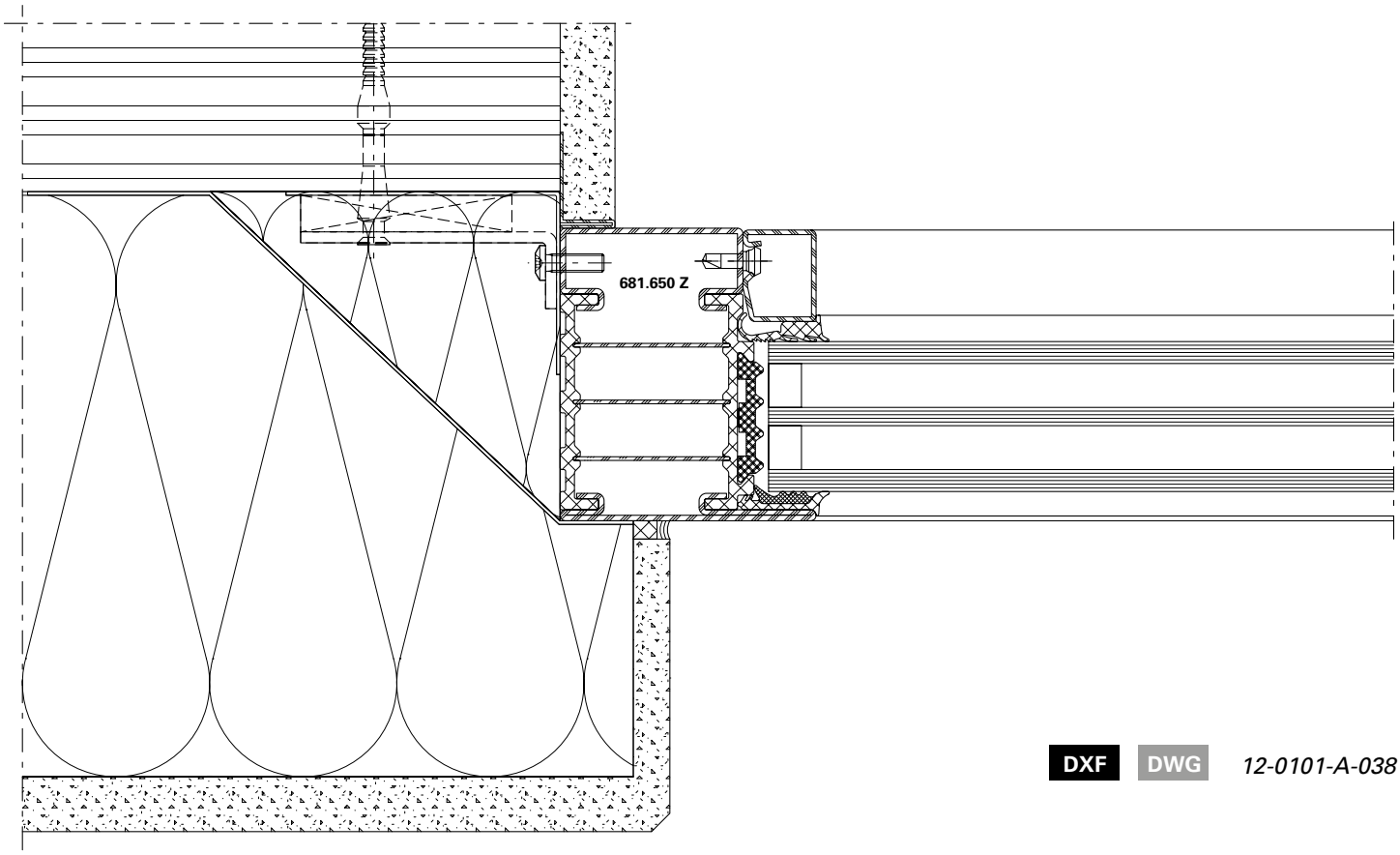


DXF **DWG**

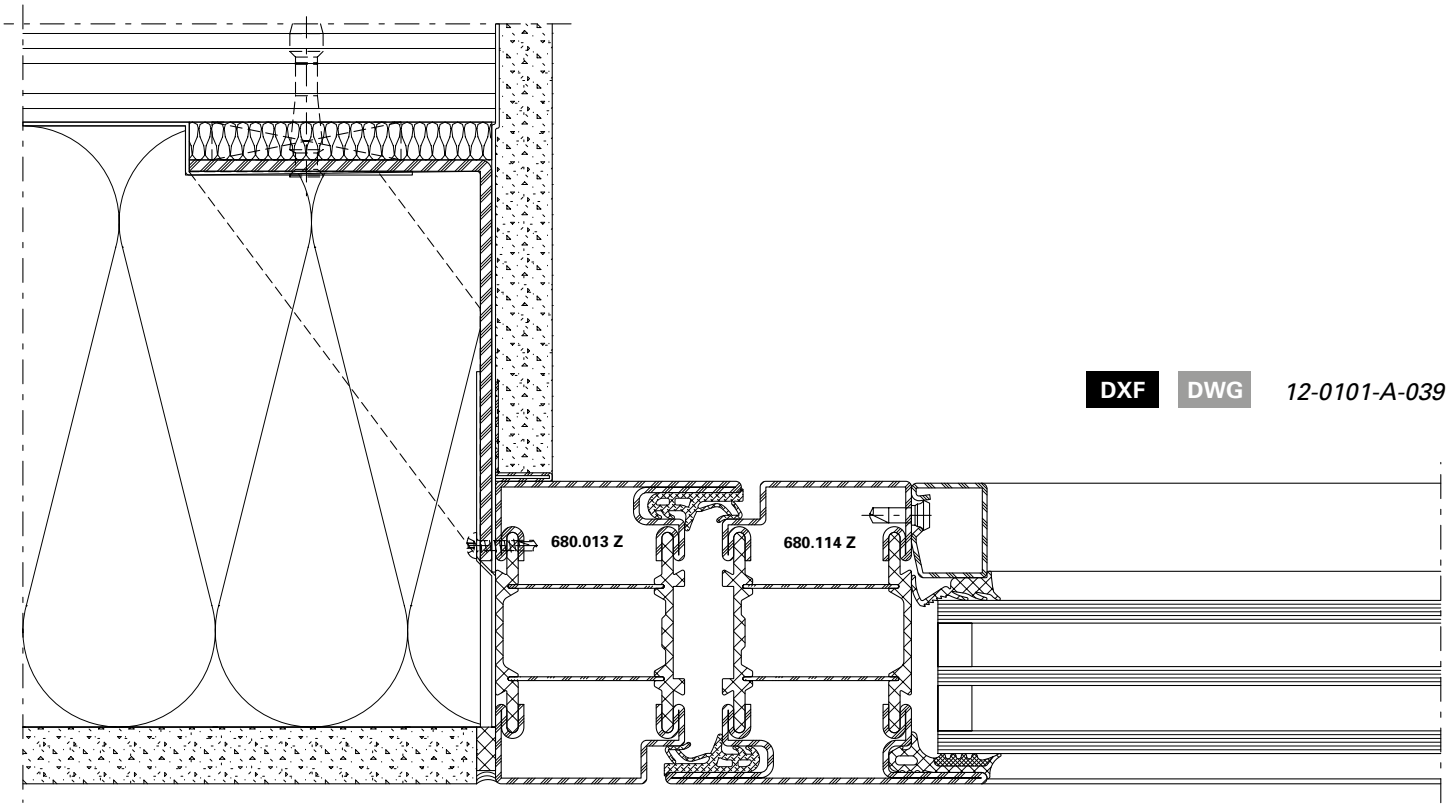
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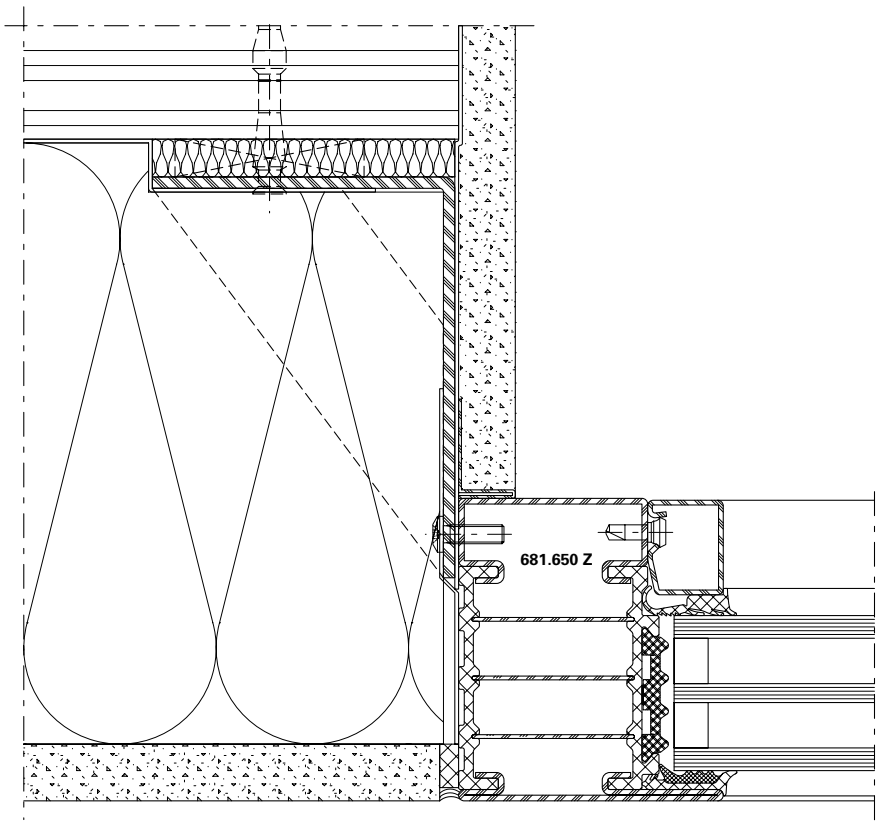
DXF DWG *12-0101-A-037*



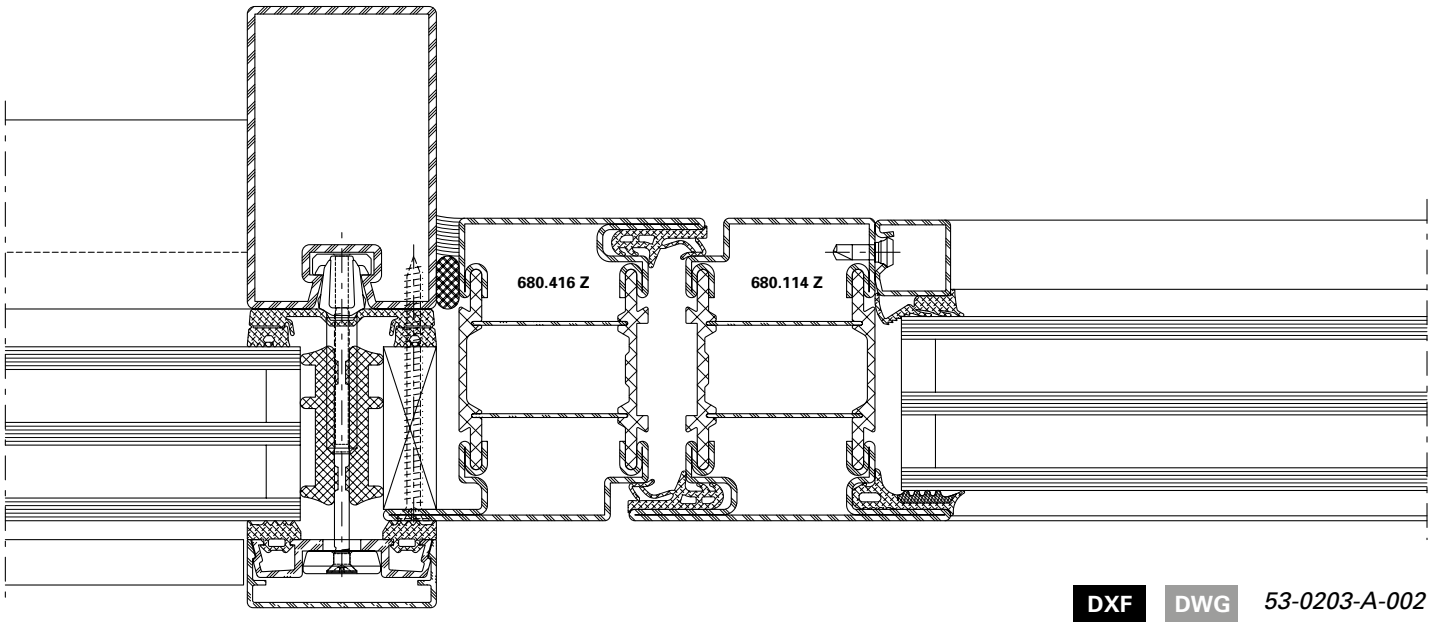
DXF DWG *12-0101-A-038*



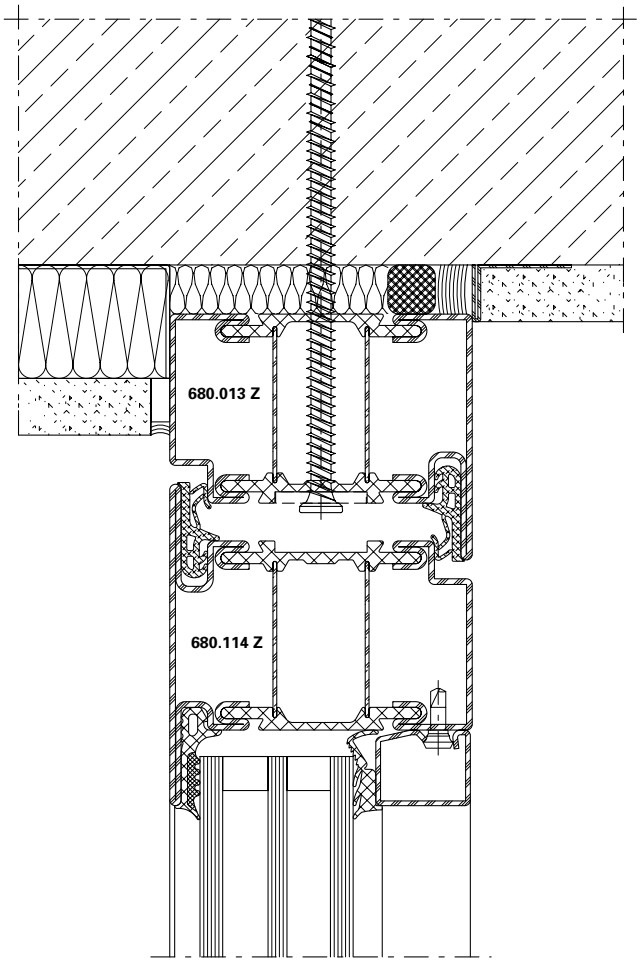
DXF **DWG** *12-0101-A-039*



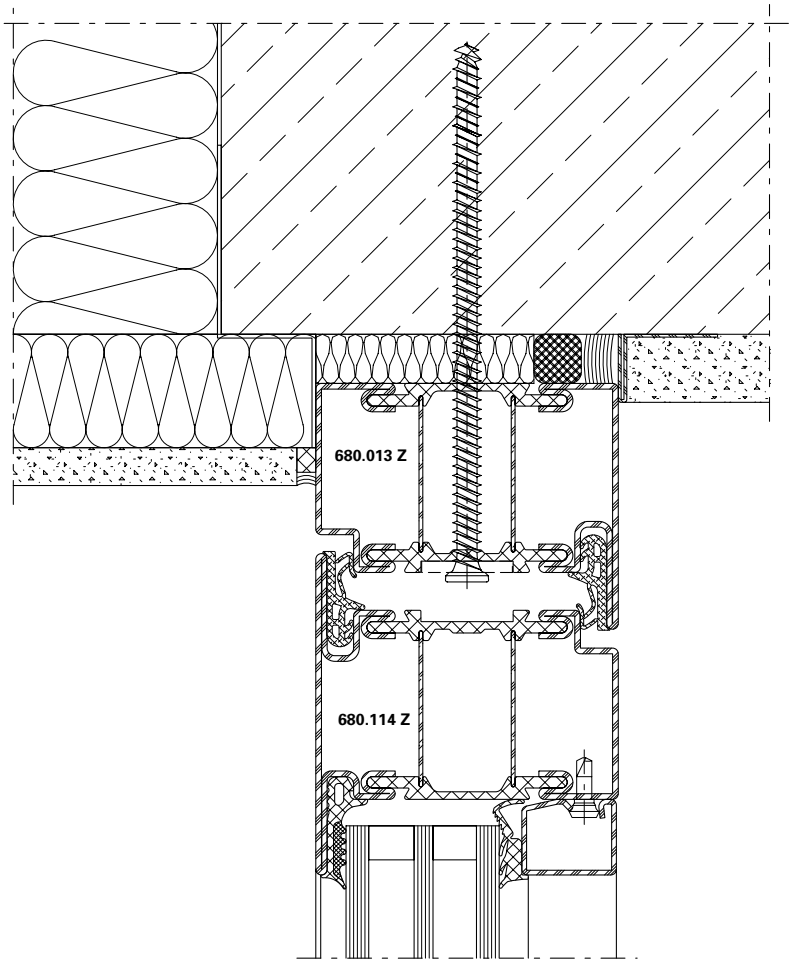
DXF **DWG** *12-0101-A-040*



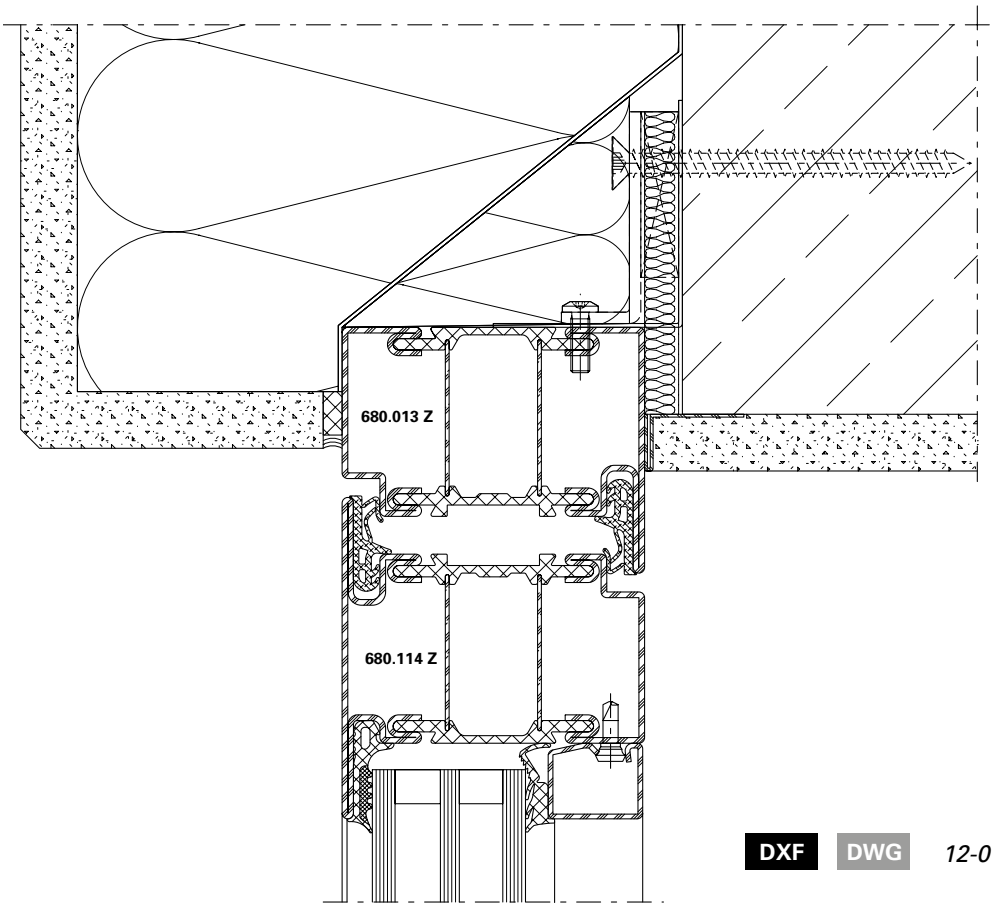
DXF DWG *53-0203-A-002*



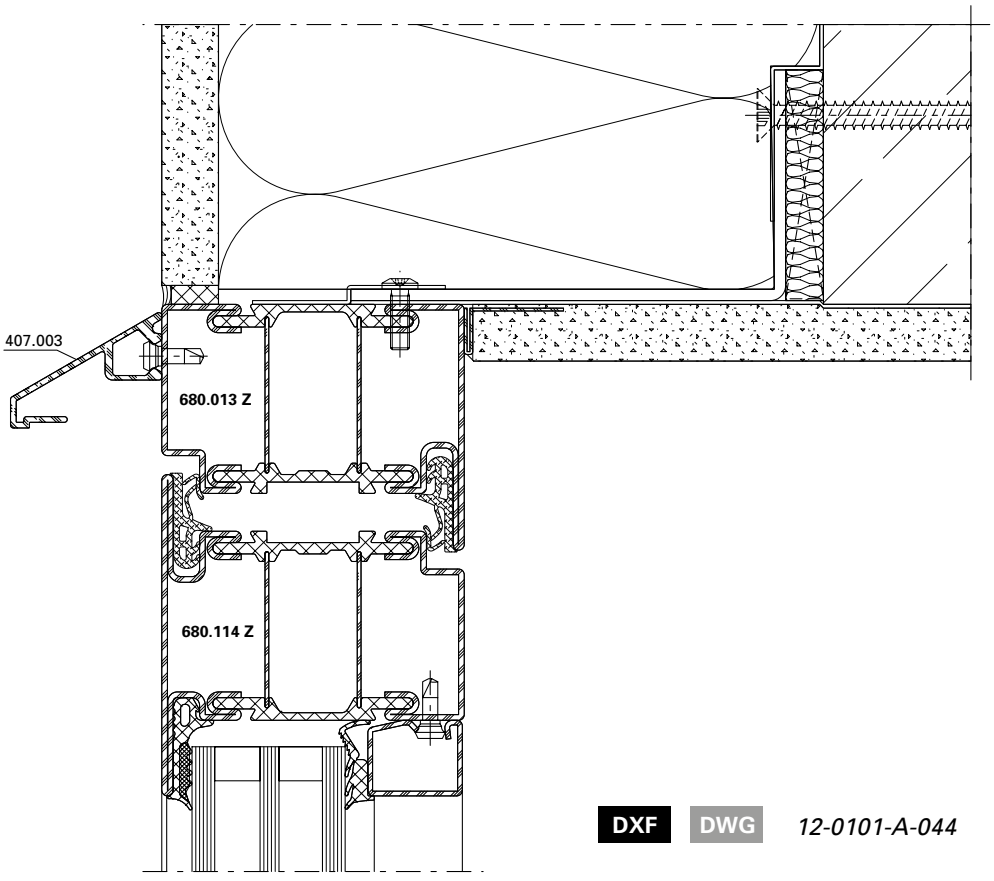
DXF DWG *12-0101-A-041*



DXF DWG *12-0101-A-042*



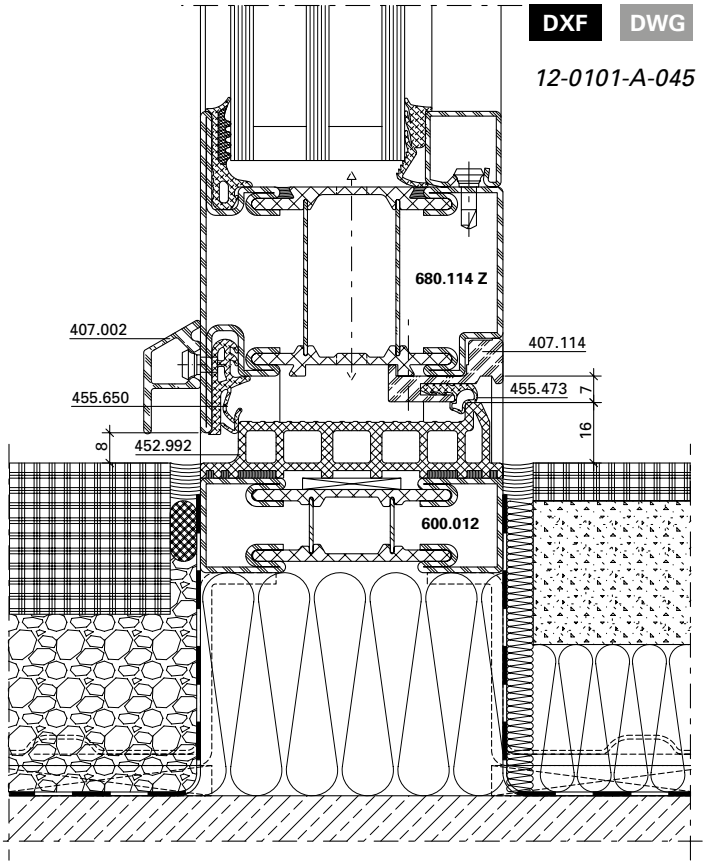
DXF **DWG** *12-0101-A-043*



DXF **DWG** *12-0101-A-044*

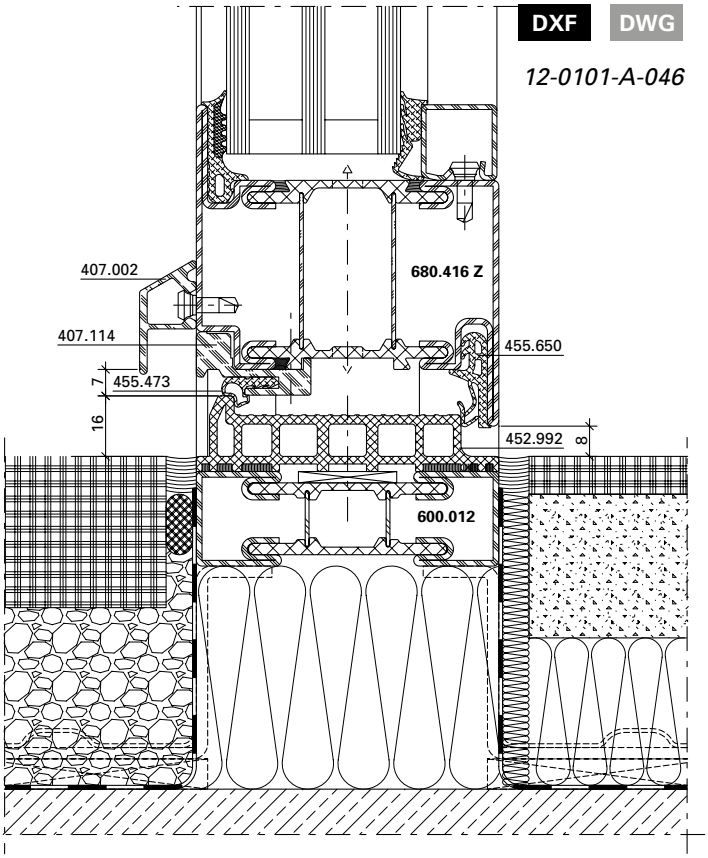
DXF DWG

12-0101-A-045



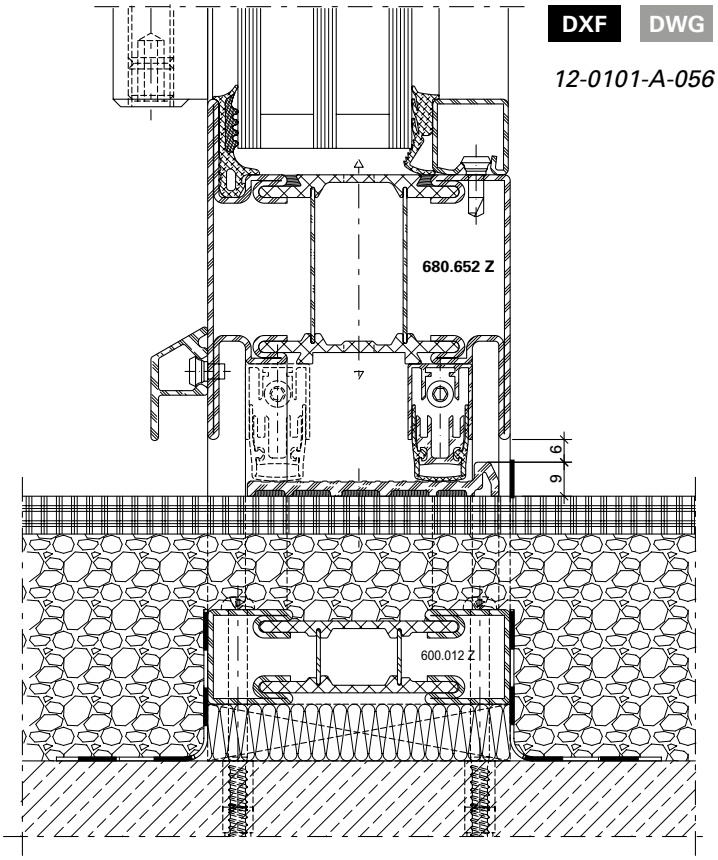
DXF DWG

12-0101-A-046



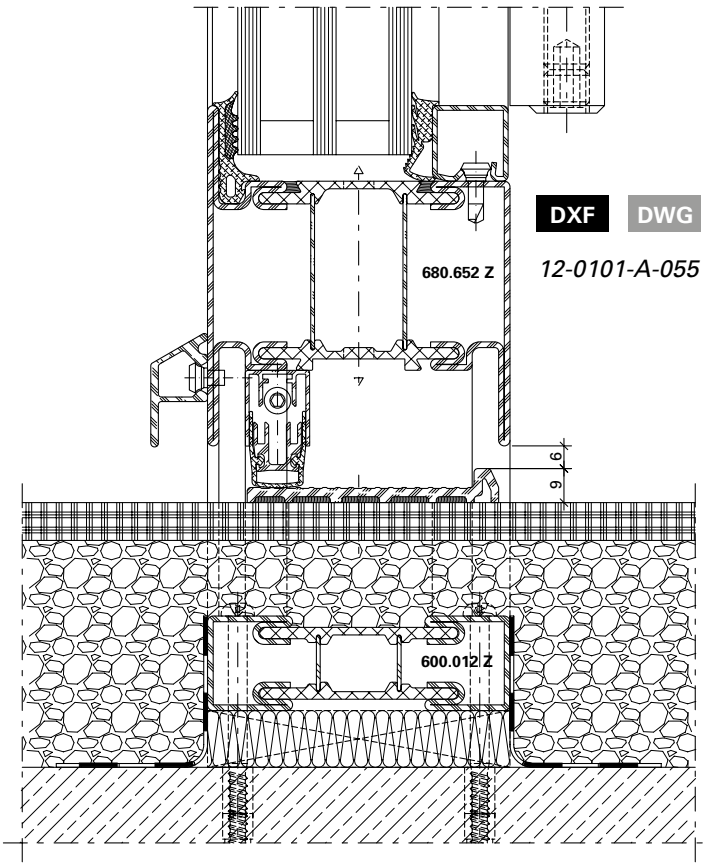
DXF DWG

12-0101-A-056



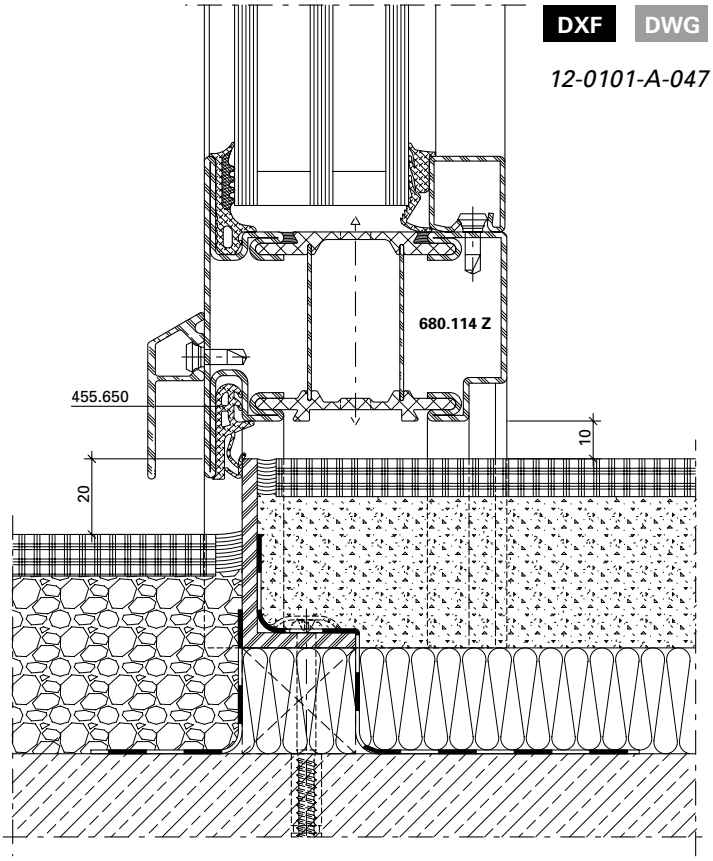
DXF DWG

12-0101-A-055



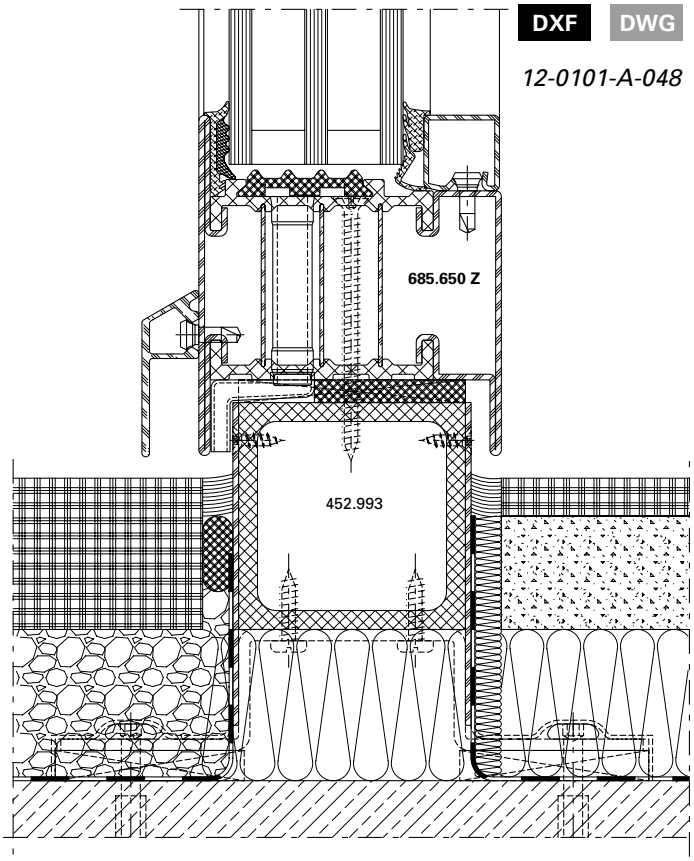
DXF DWG

12-0101-A-047



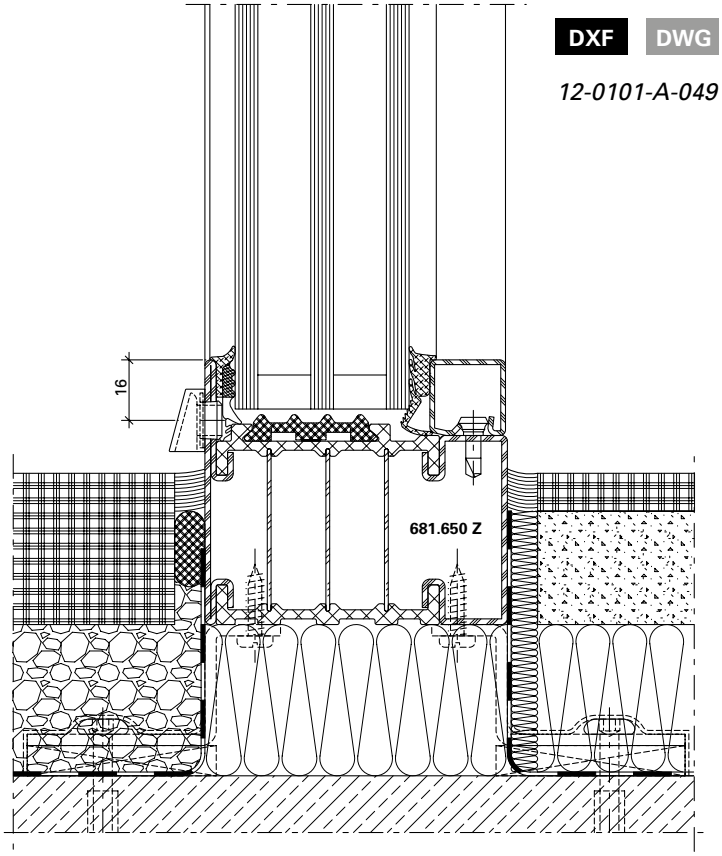
DXF DWG

12-0101-A-048



DXF DWG

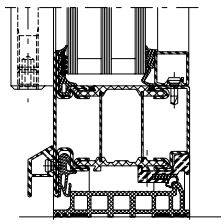
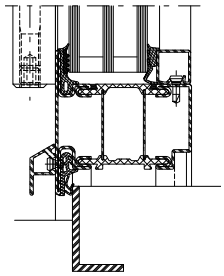
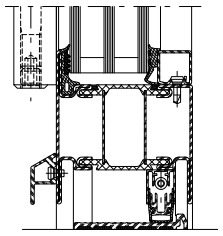
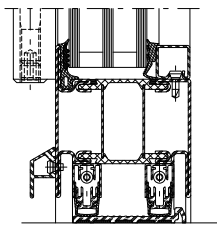
12-0101-A-049



Einflügelige Türen, auswärts öffnend, Flügelhöhe < 2300 mm

Porte à un vantail, ouvrant vers l'extérieur, hauteur du vantail < 2300 mm

Single leaf door, outward opening, leaf height < 2300 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	2	1	8A	8A	C2	C2
		❷	4	3	8A	8A	C3	C2/B3
		❸	4	3	9A	9A	C4	B4
Einfachanschlag Butée simple Single rebate seal		❶	2	1	5A	5A	C2	C2
		❷	4	3	5A	5A	C3	C2/B3
		❸	4	3	4A	4A	C4	B4
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	1	1	2A	2A	C2	C2
		❷	3	3	5A	5A	C3	C2/B3
		❸	3	3	2A	2A	C4	B4
Doppelte Senkdichtung Joint seuil double Double drop seal		❶	1	1	2A	2A	C2	C2
		❷	3	3	3A	3A	C3	C2/B3
		❸	3	3	2A	2A	C4	B4

Die Werte gelten für Trocken- und Nassverglasung

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

Les valeurs sont valable pour vitrage à sec et vitrage à mastic

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

The values are valid for dry glazing and glazing with sealing

FB = Leaf width
* 2 hinges
** 3 hinges

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

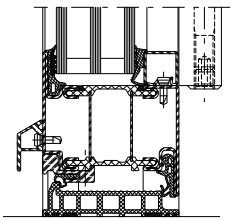
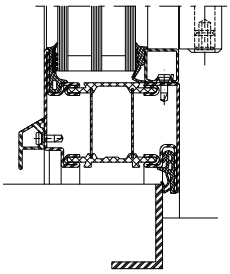
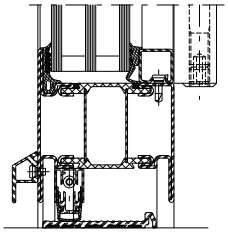
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Einflügelige Türen, einwärts öffnend, Flügelhöhe < 2300 mm

Porte à un vantail, ouvrant vers l'intérieur, hauteur du vantail < 2300 mm

Single leaf door, inward opening, leaf height < 2300 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		1	2	1	-	-	C2	C2
		2	4	3	-	-	C3	C2/B3
		3	4	3	-	-	C4	B4
Einfachanschlag Butée simple Single rebate seal		1	2	1	-	-	C2	C2
		2	4	3	-	-	C3	C2/B3
		3	4	3	-	-	C4	B4
Einfache Senkdichtung Joint seuil simple Single drop seal		1	1	1	1A	1A	C2	C2
		2	3	3	1A	1A	C3	C2/B3
		3	3	3	1A	1A	C4	B4

Die Werte gelten für Trocken- und Nassverglasung

Les valeurs sont valable pour vitrage à sec et vitrage à mastic

The values are valid for dry glazing and glazing with sealing

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

FB = Leaf width
* 2 hinges
** 3 hinges

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

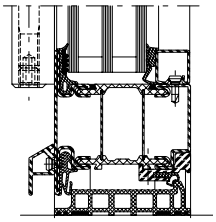
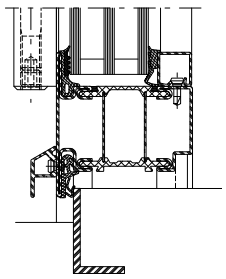
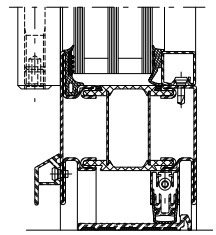
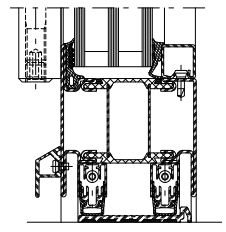
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Einflügelige Türen, auswärts öffnend, Flügelhöhe < 3000 mm

Porte à un vantail, ouvrant vers l'extérieur, hauteur du vantail < 3000 mm

Single leaf door, outward opening, leaf height < 3000 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200	FB (mm) ≤ 1400**	FB (mm) ≤ 1200	FB (mm) ≤ 1400**	FB (mm) ≤ 1200	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	-	-	-	-	-	-
		❷	3*/4**	3	5A*/5A**	5A	C2*/C3**	C2/B3
		❸	2**	2	8A**	8A	C2**	C2
Einfachanschlag Butée simple Single rebate seal		❶	-	-	-	-	-	-
		❷	3*/4**	3	3A**	3A	C2*/C3**	C2/B3
		❸	2**	2	3A**	3A	C2**	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	-	-	-	-	-	-
		❷	3**	2	5A**	5A	C2*/C3**	C2/B3
		❸	2**	2	2A**	2A	C2**	C2
Doppelte Senkdichtung Joint seuil double Double drop seal		❶	-	-	-	-	-	-
		❷	3**	2	3A**	3A	C2*/C3**	C2/B3
		❸	2**	2	2A**	2A	C2**	C2

Die Werte gelten für Trocken- und Nassverglasung

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

Les valeurs sont valable pour vitrage à sec et vitrage à mastic

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

The values are valid for dry glazing and glazing with sealing

FB = Leaf width
* 2 hinges
** 3 hinges

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

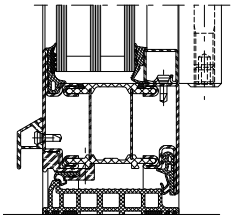
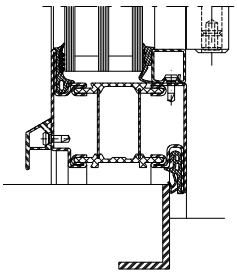
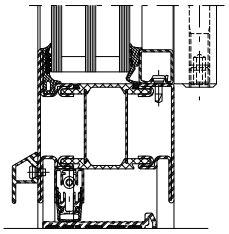
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Einflügelige Türen, einwärts öffnend, Flügelhöhe < 3000 mm

Porte à un vantail, ouvrant vers l'intérieur, hauteur du vantail < 3000 mm

Single leaf door, inward opening, leaf height < 3000 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200	FB (mm) ≤ 1400**	FB (mm) ≤ 1200	FB (mm) ≤ 1400**	FB (mm) ≤ 1200	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		1	-	-	-	-	-	-
		2	3*/4**	3	-	-	C2*/C3**	C2/B3
		3	2**	2	-	-	C2**	C2
Einfachanschlag Butée simple Single rebate seal		1	-	-	-	-	-	-
		2	3*/4**	3	-	-	C2*/C3**	C2/B3
		3	2**	2	-	-	C2**	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		1	-	-	-	-	-	-
		2	3**	2	1A**	1A	C2*/C3**	C2/B3
		3	2**	2	1A**	1A	C2**	C2

Die Werte gelten für Trocken- und Nassverglasung

Les valeurs sont valable pour vitrage à sec et vitrage à mastic

The values are valid for dry glazing and glazing with sealing

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

FB = Leaf width
* 2 hinges
** 3 hinges

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

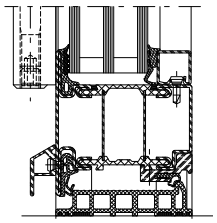
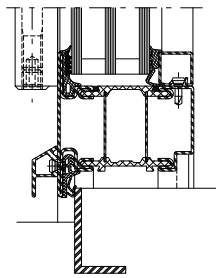
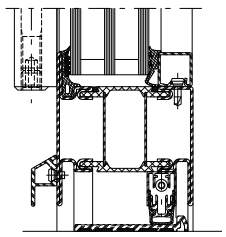
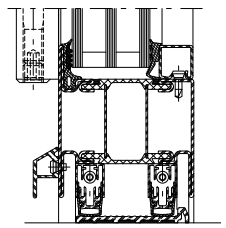
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, auswärts öffnend, Flügelhöhe < 2300 mm

Porte à deux vantaux, ouvrant vers l'extérieur, hauteur du vantail < 2300 mm

Double leaf door, outward opening, leaf height < 2300 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	2	1	8A	8A	C2	C2
		❷	4	3	8A	8A	C2/B3	C2/B3
		❸	4	3	9A	8A	C2	C2
Einfachanschlag Butée simple Single rebate seal		❶	2	1	3A	3A	C2	C2
		❷	3	3	3A	3A	C2/B3	C2/B3
		❸	4	3	4A	4A	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	1	1	2A	2A	C2	C2
		❷	3	3	5A	5A	C2/B3	C2/B3
		❸	2	2	2A	2A	C2	C2
Doppelte Senkdichtung Joint seuil double Double drop seal		❶	1	1	2A	2A	C2	C2
		❷	3	3	3A	3A	C2/B3	C2/B3
		❸	2	2	2A	2A	C2	C2

Die Werte gelten für Trocken- und Nassverglasung.
Standflügel nach oben und unten verriegelt.

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

Les valeurs sont valable pour vitrage à sec et vitrage à mastic.
Vantail semi-fixe verrouillé vers le haut et le bas.

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

The values are valid for dry glazing and glazing with sealing.
Secondary leaf locked at top and bottom.

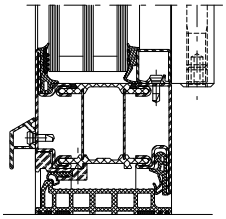
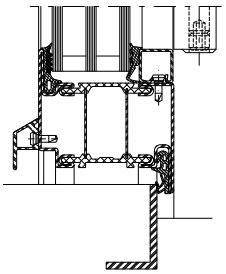
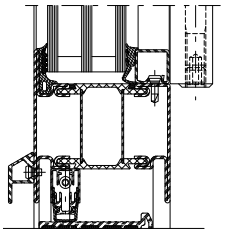
FB = Leaf width
* 2 hinges
** 3 hinges

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, einwärts öffnend, Flügelhöhe < 2300 mm

Porte à deux vantaux, ouvrant vers l'intérieur, hauteur du vantail < 2300 mm

Double leaf door, inward opening, leaf height < 2300 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	2	1	-	-	C2	C2
		❷	4	3	-	-	C2/B3	C2/B3
		❸	4	3	-	-	C2	C2
Einfachanschlag Butée simple Single rebate seal		❶	2	1	-	-	C2	C2
		❷	3	3	-	-	C2/B3	C2/B3
		❸	4	3	-	-	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	1	1	1A	1A	C2	C2
		❷	3	3	1A	1A	C2/B3	C2/B3
		❸	2	2	1A	1A	C2	C2

Die Werte gelten für Trocken- und Nassverglasung.
Standflügel nach oben und unten verriegelt.

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

Les valeurs sont valable pour vitrage à sec et vitrage à mastic.
Vantail semi-fixe verrouillé vers le haut et le bas.

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

The values are valid for dry glazing and glazing with sealing.
Secondary leaf locked at top and bottom.

FB = Leaf width
* 2 hinges
** 3 hinges

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

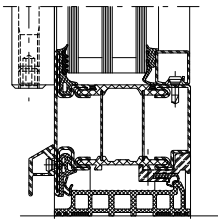
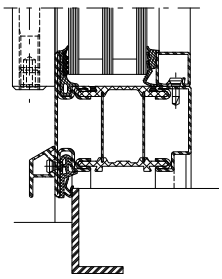
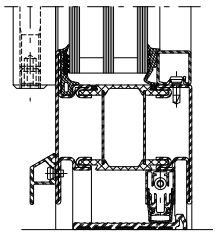
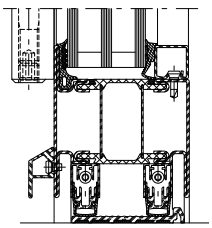
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, auswärts öffnend, Flügelhöhe < 3000 mm

Porte à deux vantaux, ouvrant vers l'extérieur, hauteur du vantail < 3000 mm

Double leaf door, outward opening, leaf height < 3000 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**	FB (mm) ≤ 1400**	FB (mm) ≤ 1200**	FB (mm) ≤ 1400**	FB (mm) ≤ 1200**	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	-	-	-	-	-	-
		❷	3	2	5A	5A	C2/B3	C2/B3
		❸	2	2	8A	8A	C2	C2
Einfachanschlag Butée simple Single rebate seal		❶	-	-	-	-	-	-
		❷	3	2	3A	3A	C2/B3	C2/B3
		❸	2	2	3A	3A	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	-	-	-	-	-	-
		❷	3	2	5A	5A	C2/B3	C2/B3
		❸	2	2	2A	2A	C2	C2
Doppelte Senkdichtung Joint seuil double Double drop seal		❶	-	-	-	-	-	-
		❷	3	2	3A	3A	C2/B3	C2/B3
		❸	2	2	2A	2A	C2	C2

Die Werte gelten für Trocken- und Nassverglasung.
Standflügel nach oben und unten verriegelt.

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

Les valeurs sont valable pour vitrage à sec et vitrage à mastic.
Vantail semi-fixe verrouillé vers le haut et le bas.

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

The values are valid for dry glazing and glazing with sealing.
Secondary leaf locked at top and bottom.

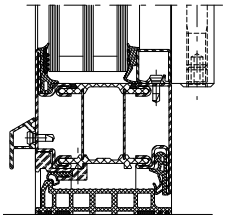
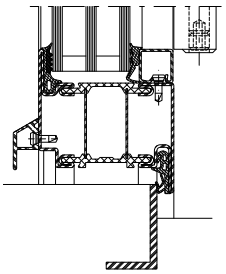
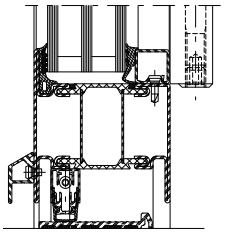
FB = Leaf width
* 2 hinges
** 3 hinges

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen, einwärts öffnend, Flügelhöhe < 3000 mm

Porte à deux vantaux, ouvrant vers l'intérieur, hauteur du vantail < 3000 mm

Double leaf door, inward opening, leaf height < 3000 mm

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**	FB (mm) ≤ 1400**	FB (mm) ≤ 1200**	FB (mm) ≤ 1400**	FB (mm) ≤ 1200**	FB (mm) ≤ 1400**
Doppelanschlag Butée double Double rebate seal		❶	-	-	-	-	-	-
		❷	3	2	-	-	C2/B3	C2/B3
		❸	2	2	-	-	C2	C2
Einfachanschlag Butée simple Single rebate seal		❶	-	-	-	-	-	-
		❷	3	2	-	-	C2/B3	C2/B3
		❸	2	2	-	-	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		❶	-	-	-	-	-	-
		❷	3	2	1A	1A	C2/B3	C2/B3
		❸	2	2	1A	1A	C2	C2

Die Werte gelten für Trocken- und Nassverglasung.
Standflügel nach oben und unten verriegelt.

Les valeurs sont valable pour vitrage à sec et vitrage à mastic.
Vantail semi-fixe verrouillé vers le haut et le bas.

The values are valid for dry glazing and glazing with sealing.
Secondary leaf locked at top and bottom.

FB = Flügelbreite
* 2 Bänder
** 3 Bänder

FB = Largeur de vantail
* 2 paumelles
** 3 paumelles

FB = Leaf width
* 2 hinges
** 3 hinges

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrrure à verrouillage multiple
Multipoint lock

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Auf den folgenden Seiten finden Sie die U_f-Werte für die verschiedenen Anwendungen von Janisol HI-Türen.

Sie basieren auf folgenden Grundlagen:

Stahl
- Profile bandverzinkter Stahl, unbeschichtet
- Stahl-Glasleisten
- Trockenverglasung

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

Vous trouverez les valeurs U_f pour les différentes applications Janisol HI portes. dans les pages qui suivent.

Elles se basent sur les principes suivants:

Acier
- Profilés en bande d'acier zingué, sans revêtement
- Parcloses en acier
- Vitrage à sec

U_f values
(according to EN ISO 10077-2:2018-01)

On the following pages you will find the U_f values for the various applications for Janisol HI doors.

They are based on the following:

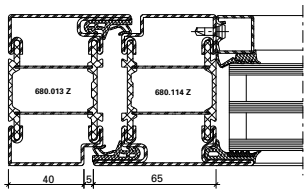
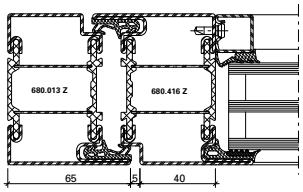
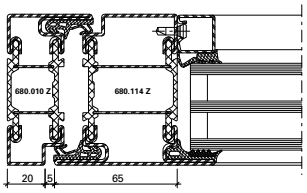
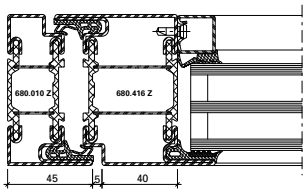
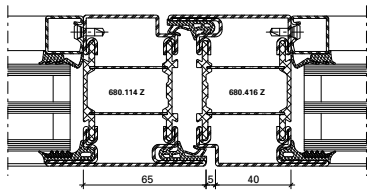
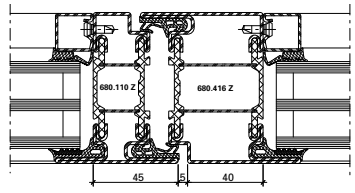
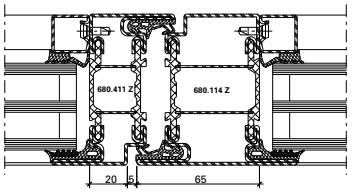
Steel
- Strip galvanised steel profiles, uncoated
- Steel glazing beads
- Glazing with dry glazing

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

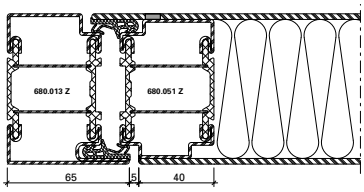
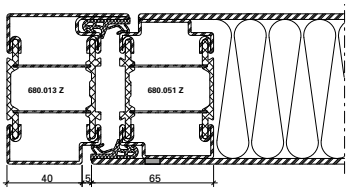
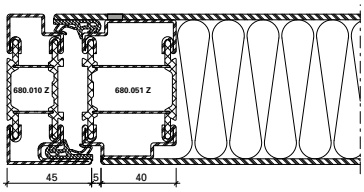
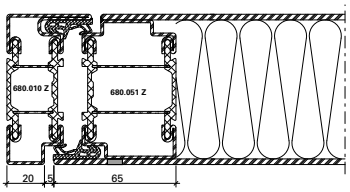
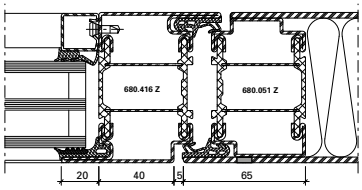
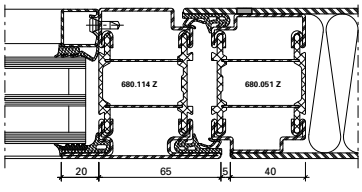
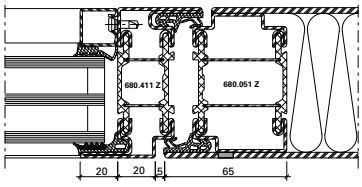


	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**
	**1,5 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**
	**1,5 W/m²K**	**1,5 W/m²K**	**1,7 W/m²K**
	**1,6 W/m²K**	**1,7 W/m²K**	**1,8 W/m²K**
	**1,6 W/m²K**	**1,7 W/m²K**	**1,8 W/m²K**
	**1,5 W/m²K**	**1,6 W/m²K**	**1,8 W/m²K**
	**1,6 W/m²K**	**1,7 W/m²K**	**1,9 W/m²K**
	**1,6 W/m²K**	**1,7 W/m²K**	**1,9 W/m²K**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

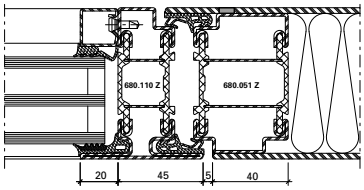
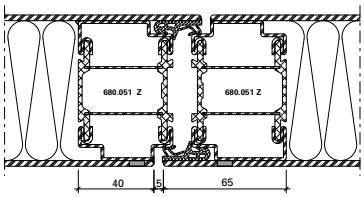
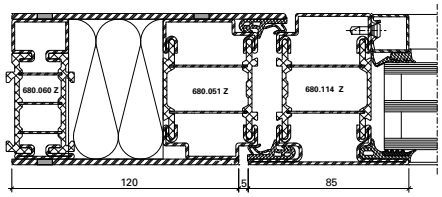
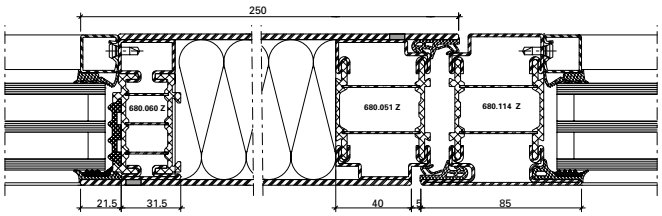
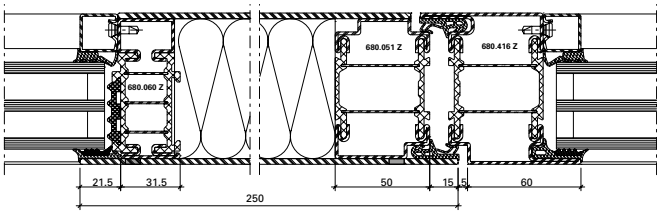
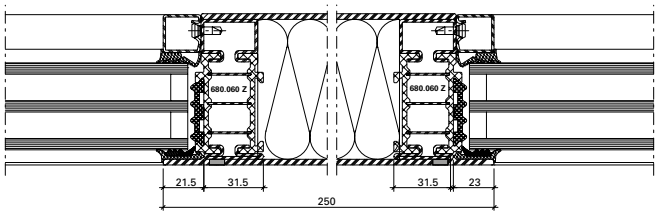
U_f values
(according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**	**Verblecht**
	–	–	–	**1,5 W/m²K**
	–	–	–	**1,5 W/m²K**
	–	–	–	**1,7 W/m²K**
	–	–	–	**1,7 W/m²K**
	**1,5 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	–
	**1,5 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	–
	**1,6 W/m²K**	**1,7 W/m²K**	**1,8W/m²K**	–

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

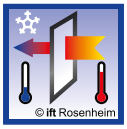
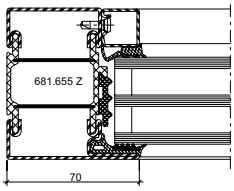
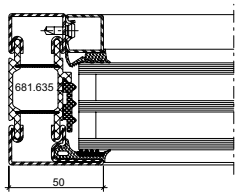
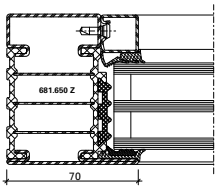
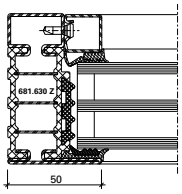
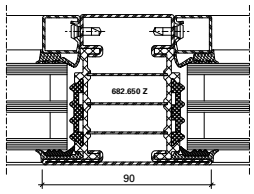
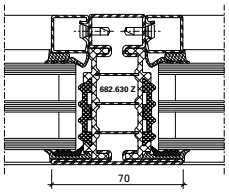
	Füllelementstärken Elements de remplissages Infill elements			
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***	**Verblecht**
	**1,7 W/m²K**	**1,7 W/m²K**	**1,8 W/m²K**	–
	–	–	–	**1,6 W/m²K**
	**1,3 W/m²K**	**1,3 W/m²K**	**1,4 W/m²K**	–
	**1,0 W/m²K**	**1,1 W/m²K**	**1,2 W/m²K**	–
	**1,0 W/m²K**	**1,1 W/m²K**	**1,2 W/m²K**	–
	**0,74 W/m²K**	**0,77 W/m²K**	**0,91 W/m²K**	–

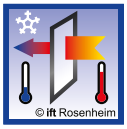
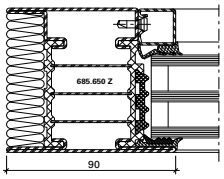
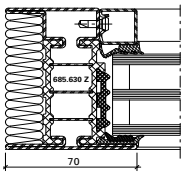
*** ohne Dämmprofil**
*** sans profilé isolant**
*** without insulating profile**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***
	**1,2 W/m²K**	**1,3 W/m²K**	**1,6 W/m²K**
	**1,4 W/m²K**	**1,5 W/m²K**	**1,9 W/m²K**
	**0,89 W/m²K**	**0,95 W/m²K**	**1,2 W/m²K**
	**1,0 W/m²K**	**1,1 W/m²K**	**1,4 W/m²K**
	**0,84 W/m²K**	**0,93 W/m²K**	**1,3 W/m²K**
	**0,93 W/m²K**	**1,0 W/m²K**	**1,5 W/m²K**

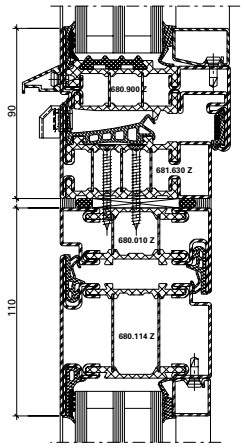
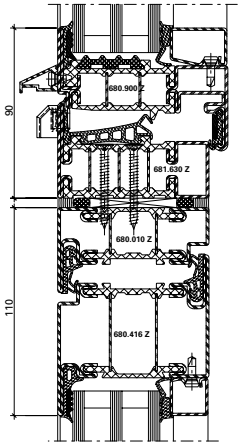
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***
	**0,80 W/m²K**	**0,85 W/m²K**	**1,0 W/m²K**
	**0,88 W/m²K**	**0,95 W/m²K**	**1,2 W/m²K**

*** ohne Dämmprofil**
*** sans profilé isolant**
*** without insulating profile**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

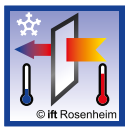
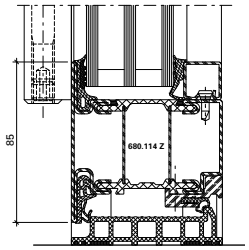
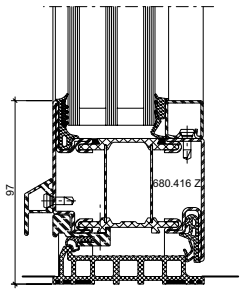
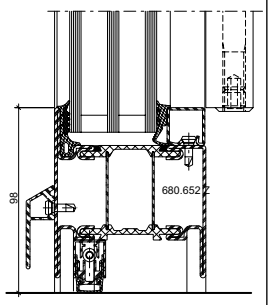
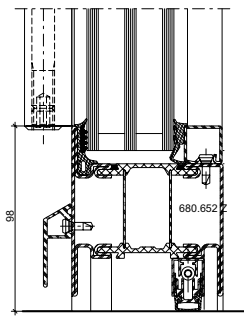
© ift Rosenheim	Füllelementstärken Elements de remplissages Infill elements			
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***	**Verblecht**
	**1,5 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	–
	**1,5 W/m²K**	**1,6 W/m²K**	**1,7 W/m²K**	–

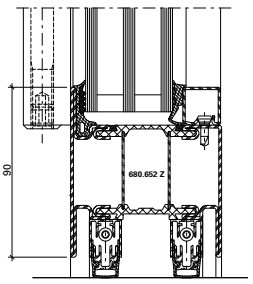
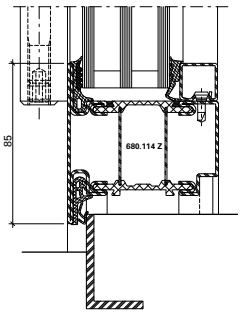
*** ohne Dämmprofil**
*** sans profilé isolant**
*** without insulating profile**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

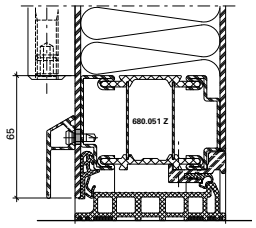
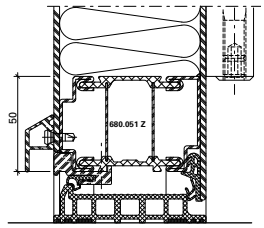
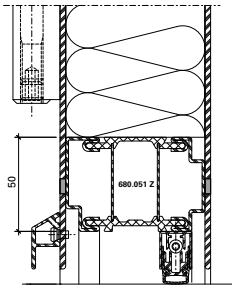
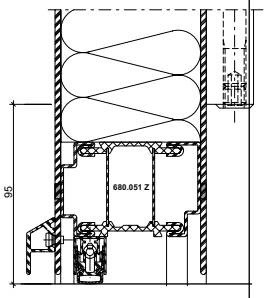
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**
	**1,9 W/m²K**	**1,9 W/m²K**	**2,0 W/m²K**
	**1,9 W/m²K**	**1,9 W/m²K**	**2,1 W/m²K**
	**2,5 W/m²K**	**2,4W/m²K**	**2,7 W/m²K**
	**2,2 W/m²K**	**2,3 W/m²K**	**2,4 W/m²K**

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**
	**1,8 W/m²K**	**1,9 W/m²K**	**2,0 W/m²K**
	**3,2 W/m²K**	**3,1 W/m²K**	**3,3 W/m²K**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

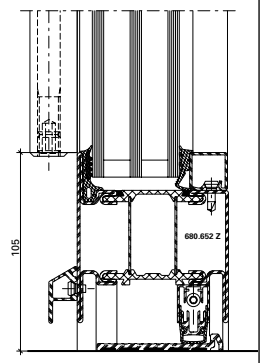
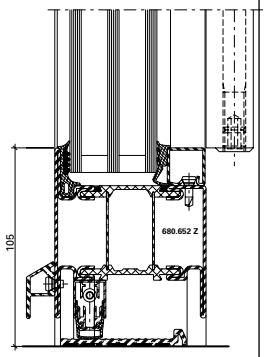
U_f values
(according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**	**Verblecht**
	–	–	–	**1,9 W/m²K**
	–	–	–	**2,0 W/m²K**
	–	–	–	**2,4 W/m²K**
	–	–	–	**2,7 W/m²K**

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

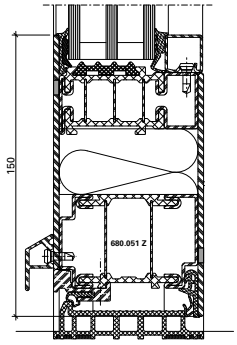
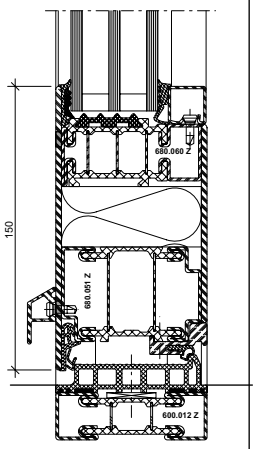
U_f values
(according to EN ISO 10077-2:2018-01)

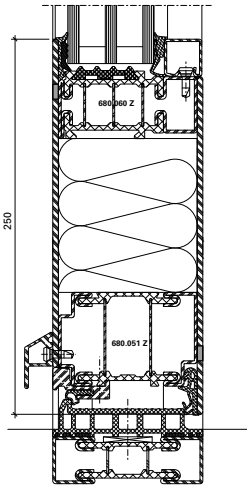
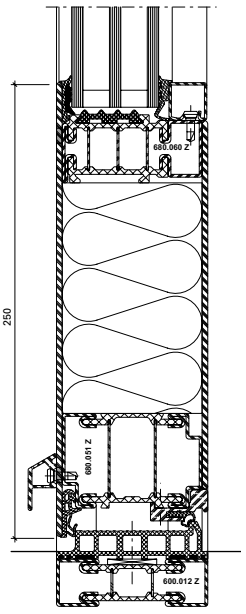
	Füllelementstärken Elements de remplissages Infill elements			
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm**	**Verblecht**
	**5,9 W/m²K**	**6,0 W/m²K**	**6,2 W/m²K**	–
	**4,9 W/m²K**	**5,0 W/m²K**	**5,1 W/m²K**	–

U_f-Werte
(nach EN ISO 10077-2:2018-01)

Valeurs U_f
(selon EN ISO 10077-2:2018-01)

U_f values
(according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***
	**1,5 W/m²K**	**1,5 W/m²K**	**1,6 W/m²K**
	**1,5 W/m²K**	**1,5 W/m²K**	**1,6 W/m²K**

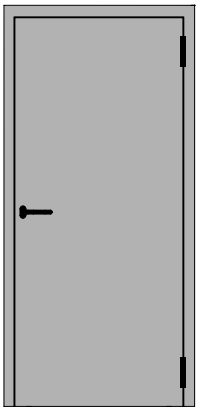
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	**≥ 36 mm**	**≥ 24 mm***
	**1,2 W/m²K**	**1,2 W/m²K**	**1,2 W/m²K**
	**1,2 W/m²K**	**1,2 W/m²K**	**1,2 W/m²K**

*** ohne Dämmprofil**
*** sans profilé isolant**
*** without insulating profile**

Verhalten zwischen unterschiedlichen Klimaten nach EN 1121

Comportement entre différents climats selon EN 1121

Behaviour between different climates in accordance with EN 1121



Verblechte einflügelige Türe nach aussen öffnend
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2957 mm

Porte tôlée à un vantail ouvrant vers l'extérieur
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2957 mm

Sheet metal single leaf door outward opening
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2957 mm

Einfallen-Schloss

Serrure à un point

Single bolt lock

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d (ΔT 38°) Résistance aux changements de température d (ΔT 38°) Resistance to change in temperature d (ΔT 38°)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B2 / C2 (4 / 2)*

Fallenriegel-Schloss mit Obenverriegelung

Serrure à mortaiser avec verrouillage supérieur

Latch and bolt lock with top locking point

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d (ΔT 38°) Résistance aux changements de température d (ΔT 38°) Resistance to change in temperature d (ΔT 38°)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B1 / C2 (8 / 2)*

Mehrfach-verriegelungs-Schloss

Serrure à verrouillage multiple

Multipoint lock

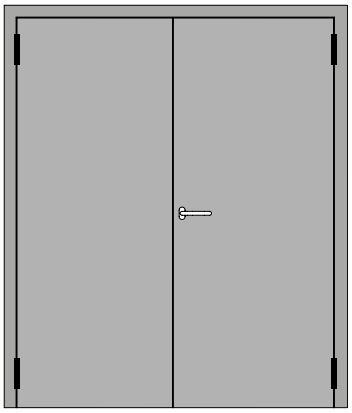
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d (ΔT 38°) Résistance aux changements de température d (ΔT 38°) Resistance to change in temperature d (ΔT 38°)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B1 / C3 (8 / 1)*

* max. zulässige Verformung:
(Längskrümmung/Querkrümmung in mm)
* Déformation max. admissible :
(courbure en long/en travers en mm)
* Max. permissible deformation:
(longitudinal curvature/transverse curvature in mm)

Verhalten zwischen unterschiedlichen Klimaten nach EN 1121

Comportement entre différents climats selon EN 1121

Behaviour between different climates in accordance with EN 1121



Verblechte zweiflügelige Türe nach aussen öffnend
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2955 mm

Porte tôlée à deux vantaux ouvrant vers l'extérieur
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2955 mm

Sheet metal double leaf door outward opening
Flügelabmessungen:
Breite: 1400 mm
Höhe: 2955 mm

Die Werte gelten für nach oben und unten verriegelte Standflügel.
Les valeurs sont applicables au vantail semi-fixe verrouillé vers le haut et vers le bas.
The values apply to secondary leafs locked at the top and bottom.

* max. zulässige Verformung:
(Längskrümmung/Querkrümmung in mm)
* Déformation max. admissible:
(courbure en long/en travers en mm)
* Max. permissible deformation:
(longitudinal curvature/transverse curvature in mm)

Einfallen-Schloss

Serrure à un point

Single bolt lock

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d (ΔT 38°) Résistance aux changements de température d (ΔT 38°) Resistance to change in temperature d (ΔT 38°)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B2 / C3 (4 / 1)*

Fallenriegel-Schloss mit Obenverriegelung

Serrure à mortaiser avec verrouillage supérieur

Latch and bolt lock with top locking point

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d (ΔT 38°) Résistance aux changements de température d (ΔT 38°) Resistance to change in temperature d (ΔT 38°)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B1 / C2 (8 / 2)*

Mehrfach-verriegelungs-Schloss

Serrure à verrouillage multiple

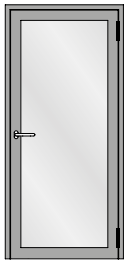
Multipoint lock

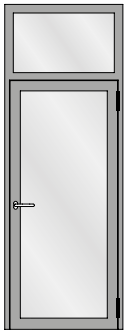
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten a / b (ΔT 5° / ΔT 10°) Résistance aux changements de température a / b (ΔT 5° / ΔT 10°) Resistance to change in temperature a / b (ΔT 5° / ΔT 10°)	B3 / C3 (2 / 1)*
 EN 12219	Differenzklimaverhalten c / d (ΔT 20° / ΔT 38°) Résistance aux changements de température c / d (ΔT 20° / ΔT 38°) Resistance to change in temperature c / d (ΔT 20° / ΔT 38°)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e (ΔT 55°) Résistance aux changements de température e (ΔT 55°) Resistance to change in temperature e (ΔT 55°)	B1 / C3 (8 / 1)*

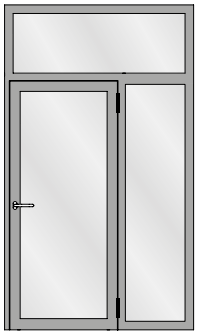


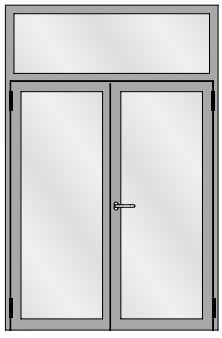
Schallschutz

Ausführungsvarianten
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.





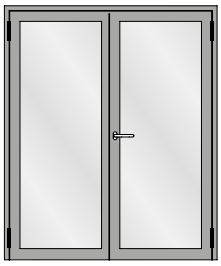


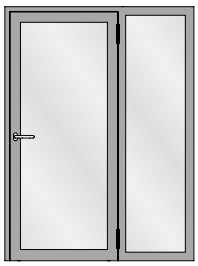


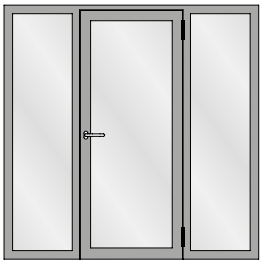


Isolation phonique

Modèles
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.





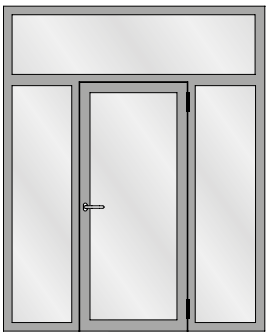


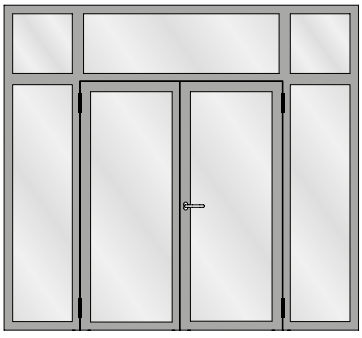




Sound insulation

Design range
The following overview of types provides an overview of the evaluated designs.





Schallschutz

Tabelle A1
Korrekturtabelle für Janisol HI-Türen mit Glasfüllungen

Die in Tabelle 2 ermittelten Schalldämm-Masse R_w für Türen sowie die Korrekturwerte unterliegen einer Genauigkeit von ±1 dB.
Das bewertete Schalldämm-Mass R_w einer Ausführungsvariante unter Berücksichtigung der Korrekturwerte nach Tabelle 2 beträgt:
Zur Ermittlung des Schalldämm-Mass R_{w+Ctr} ist der C_{tr}-Wert des Glases vom R_w abzuziehen.

Isolation phonique

Tableau A1
Tableau de correction pour les portes Janisol HI avec vitrage

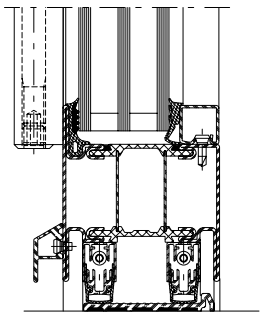
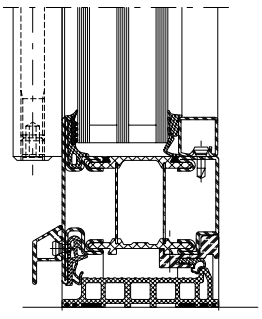
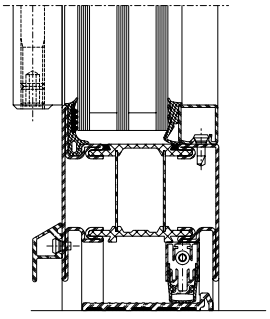
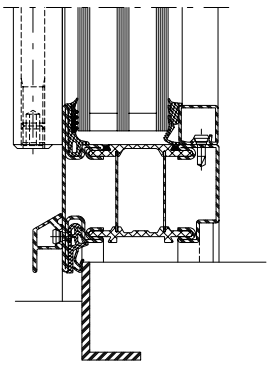
Les cotes d'isolation acoustique R_W déterminées dans le tableau 2 pour les portes ainsi que les valeurs de correction sont soumises à une précision de ±1 dB.
La cote d'isolation acoustique R_W évaluée d'une variante est la suivante en prenant en compte les valeurs de correction selon le tableau 2:
Pour déterminer la cote d'isolation acoustique R_{W+Ctr}, la valeur C_{tr} du verre doit être soustraite de R_W.

Sound insulation

Table A1
Correction table for Janisol HI doors with glass

The sound reduction indices R_W for doors and the correction values calculated in Table 2 have a tolerance of ±1 dB.
The weighted sound reduction index R_W of a design option taking into consideration the correction values in accordance with Table 2 is:
To calculate the sound reduction index R_{W+Ctr}, the C_{tr} value of the glass must be deducted from R_W.

	1	2	3	4	5	6	7	8	9	10	11	12	13
	Türe Porte Door	**Glas Verre Glass**											
	$R_{W,Tür}$ dB	**$R_{W,Glas}$ dB**	**K_{1FS} dB**	**K_{FV} dB**	**K_{Nass} dB**	**K_{1aB} dB**	**$K_{W/S}$ dB**	**$K_{G\ 0,4}$ dB**	**$K_{G\ 0,7/\ A1,0}$ dB**	**$K_{GK\ 1,1/\ A1,8}$ dB**	**$K_{G\ 1,8}$ dB**	**$K_{G\ 2,9}$ dB**	**$K_{G\ 3,7}$ dB**
1	**32**	31	-1	-1	0	0	0	0	-2	-2	-2	-3	-4
2	**33**	32	-1	-1	0	0	0	0	-2	-2	-2	-3	-4
3	**35**	36	-1	-1	0	-1	-1	0	-2	-2	-2	-3	-4
4	**37**	38	-2	0	-1	-1	-1	0	-2	-2	-2	-3	-4
5	**38**	39	-2	0	-1	-1	-1	0	-2	-2	-2	-3	-4
6	**39**	40	-2	0	-1	-1	-1	0	-2	-2	-2	-4	-4
7	**40**	41	-3	0	-1	-1	-2	-1	-2	-2	-2	-4	-4
8	**41**	42	-3	0	-1	-1	-2	-2	-2	-2	-2	-4	-4
9	**42**	43	-3	0	-1	-1	-2	-2	-2	-2	-2	-4	-4
10	**42**	44	-5	0	-1	-2	-2	-2	-2	-2	-2	-4	-4
11	**43**	45	-5	+1	-1	-3	-3	-3	-3	-3	-2	-4	-4
12	**44**	49	-5	+1	-1	-4	-4	-3	-3	-3	-5	-5	-6

Der aus der Tabelle A1 abzulesende Wert für die Schalldämmung $R_{w,\ Tür}$ beträgt:

La valeur à relever sur le tableau A1 concernant l'isolement contre les sons aériens $R_{w,\ Porte}$ est la suivante:

The value taken from table A1 for the sound insulation $R_{w,\ Door}$ is:

$$R_w = R_{w,Tür} + K_{1FS} + K_{FV} + K_{Nass} + K_{1aB} + K_{W/S} + K_{G\ 0,4} + K_{GK0,7/A1,0} + K_{GK1,1/A1,8} + K_{G\ 1,8} + K_{G\ 2,9} + K_{G\ 3,7}\ dB$$

$R_{w,Tür}$ Bewertetes Schalldämm-Mass der Basisausführung in Abhängigkeit der Schalldämmung $R_{w,Glas}$

$R_{w,Glas}$ Bewertete Schalldämmung des Glases (Prüfwert nach EN ISO 10140-2)

K_{1FS} Korrekturwert für Türen mit einer Höhe ≤ 2,5 m mit Einfallenschloss

K_{FV} Korrekturwert für festverglaste Elemente

K_{Nass} Korrekturwert für Nassverglasung

K_{1aB} Korrekturwert für Elemente mit 1 absenkbaren Bodendichtung

$K_{W/S}$ Korrekturwert für Elemente mit Anschlagschwelle und einer Schwellendichtung

$K_{G0,4}$ Korrekturwert für Elemente mit Einzelscheiben ≤ 0,4 m²

$K_{GK0,7/A1,0}$ Korrekturwert für Elemente mit Einzelscheiben mit einer Kantenlänge ≤ 0,7 m und einer Fläche ≥ 1,0 m²

$K_{GK1,1/A1,8}$ Korrekturwert für Elemente mit Einzelscheiben mit einer Kantenlänge ≤ 1,1 m und einer Fläche ≥ 1,8 m² und ≤ 3,4 m²

$K_{G1,8}$ Korrekturwert für Elemente mit Einzelscheiben ≥ 1,8 m²

$K_{G2,9}$ Korrekturwert für Elemente mit Einzelscheiben ≥ 2,9 m²

$K_{G3,7}$ Korrekturwert für Elemente mit Einzelscheiben ≥ 3,7 m² und ≤ 5,5 m²

$R_{W,\ porte}$ Cote d'isolation acoustique évaluée du modèle de base en fonction de l'isolation acoustique $R_{W,\ verre}$

$R_{W,\ verre}$ Isolation acoustique évaluée du verre (valeur d'essai selon EN ISO 10140-2)

K_{1FS} Valeur de correction pour les portes d'une hauteur ≤ 2,5 m avec serrure à un point

K_{FV} Valeur de correction pour les éléments vitrés fixes

K_{Nass} Valeur de correction pour vitrage silicone

K_{1aB} Valeur de correction pour les éléments à 1 joint seuil automatique

$K_{W/S}$ Valeur de correction pour les éléments interrompant un plan d'étanchéité et un joint de seuil

$K_{G0,4}$ Valeur de correction pour les éléments à vitrages simples ≤ 0,4 m²

$K_{GK0,7/A1,0}$ Valeur de correction pour éléments à vitrages simples avec une longueur de bord ≤ 0,7 m et une surface ≥ 1,0 m²

$K_{GK1,1/A1,8}$ Valeur de correction pour éléments à vitrages simples avec une longueur de bord ≤ 1,1 m et une surface ≥ 1,8 m² et ≤ 3,4 m²

$K_{G1,8}$ Valeur de correction pour les éléments à vitrages simples ≥ 1,8 m²

$K_{G2,9}$ Valeur de correction pour les éléments à vitrages simples ≥ 2,9 m²

$K_{G3,7}$ Valeur de correction pour les éléments à vitrages simples ≥ 3,7 m² et ≤ 5,5 m²

$R_{w,door}$ Weighted sound reduction index of the basic design depending on the sound insulation $R_{w,glass}$

$R_{w,glass}$ Weighted sound insulation of the glass (test value in accordance with EN ISO 10140-2)

K_{1FS} Correction value for doors with a height of ≤ 2.5 m with a single-point latch lock

K_{FV} Correction value for units with fixed glazing

K_{Nass} Correction value for wet glazing

K_{1aB} Correction value for units with 1 threshold weatherstrip that can be lowered

$K_{W/S}$ Correction value for units with a rebate threshold and a threshold weatherstrip

$K_{G0,4}$ Correction value for units with single panes ≤ 0.4 m²

$K_{GK0,7/A1,0}$ Correction value for units with single panes with an edge length ≤ 0.7 m and an area ≥ 1.0 m²

$K_{GK1,1/A1,8}$ Correction value for units with single panes with an edge length ≤ 1.1 m and an area ≥ 1.8 m² and ≤ 3.4 m²

$K_{G1,8}$ Correction value for units with single panes ≥ 1.8 m²

$K_{G2,9}$ Correction value for units with single panes ≥ 2.9 m²

$K_{G3,7}$ Correction value for units with single panes ≥ 3.7 m² and ≤ 5.5 m²