

Janisol HI Türen

Hochwärmegeämmte Türen aus Stahl

Portes Janisol HI

Portes en acier à haute rupture de pont thermique

Janisol HI doors

Highly thermally insulated doors in steel

Grafische Planungsdaten wie z.B. Anwendungsbeispiele, Konstruktionsdetails, Anschlüsse am Bau, die in unseren physischen oder elektronischen Dokumentationsunterlagen enthalten sind, sind schematische Darstellungen. Gleiches gilt für digitale Medien wie CAD Dateien oder BIM Modelle.

Sie sollen den ausführenden Metallbauer und/oder Fachplaner bei der Planung und Ausführung eines Projektes unterstützen. Sie sind im konkreten Anwendungsfall durch den ausführenden Metallbauer und/oder Fachplaner auf die Verwendbarkeit im konkreten betroffenen Projekt hinsichtlich rechtlichen/regulatorischen aber auch technischen objektspezifischen Anforderungen zu überprüfen und ggfs. eigenverantwortlich anzupassen.

Bei der Überprüfung, der spezifischen Planung und der Umsetzung sind die objektspezifischen Rahmenbedingungen (Material der Bausubstanz, Dimension des Einbauelements, Farbe, Exposition, Lasteinwirkung, etc.) sowie der geltende Stand der Technik einschliesslich aller anwendbaren Normen und technischen Richtlinien eigenverantwortlich zu beachten.

Falls das vorliegende Dokument Differenzen zur aktuellen deutschen Version (Artikel Nr. K1214219) aufweist, gilt in jedem Fall der deutsche Originaltext in der jeweils geltenden Fassung im Jansen Docu Center.

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

Les données de planification graphiques, comme les exemples d'application, détails de construction et raccordements au bâtiment, fournies dans notre documentation physique et numérique sont des représentations schématiques. Il en va de même pour les médias numériques comme les fichiers CAD ou modèles BIM.

Leur but est de faciliter la planification et réalisation d'un projet par les constructeurs métalliques et/ou concepteurs. Concrètement, elles doivent être vérifiées par le constructeur métallique et/ou le concepteur et, le cas échéant, modifiées de son propre chef pour s'assurer qu'elles concordent avec le projet concerné et qu'elles répondent aux exigences techniques spécifiques ainsi qu'aux dispositions légales et réglementaires.

Lors de la vérification, de la planification spécifique et de la mise en œuvre, il y a lieu de tenir compte des conditions spécifiques à l'objet (matériaux du bâtiment, dimension de l'élément d'insert, couleur, exposition, effet de charge, etc.) ainsi que de l'état actuel de la technique, y compris toutes les normes et directives techniques applicables.

En cas de divergence entre le présent document et la version allemande (no d'article K1214219), c'est dans tous les cas le texte original allemand qui prévaut dans sa version actuelle disponible dans le Jansen Docu Center.

Nous avons apporté le plus grand soin à l'élaboration de cette documentation. Cependant, nous déclinons toute responsabilité pour l'utilisation faite de nos propositions et de nos données.

Nous nous réservons le droit de procéder à des modifications techniques sans préavis.

Graphical planning data such as application examples, construction details, connections on site that are contained in our physical or electronic documentation components are schematic representations. The same applies to digital media such as CAD files or BIM models.

They are intended to support the metal worker and/or design engineer in planning and executing projects. In the specific case of application they are to be checked by the metal worker and/or design engineer in terms of their usability in the specific project concerned with regard to legal/regulatory and technical property-specific requirements and adjusted if necessary at the latter's own responsibility.

The property-specific underlying conditions (construction material, dimensions of installation element, colour, exposure, load effect etc.) and current state of the art including all applicable norms and technical guidelines are to be taken into consideration at the metal worker and/or design engineer's own responsibility during the review, specific planning and implementation.

If there are any differences between this document and the current German version (item number K1214219), the latest version of the original German text in the Jansen Docu Center shall prevail.

All the information contained in this documentation is given to the best of our knowledge and ability. However, we decline all responsibility for the use made of these suggestions and data.

We reserve the right to effect technical modifications without prior warning.

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Leistungseigenschaften

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Janisol HI Türen

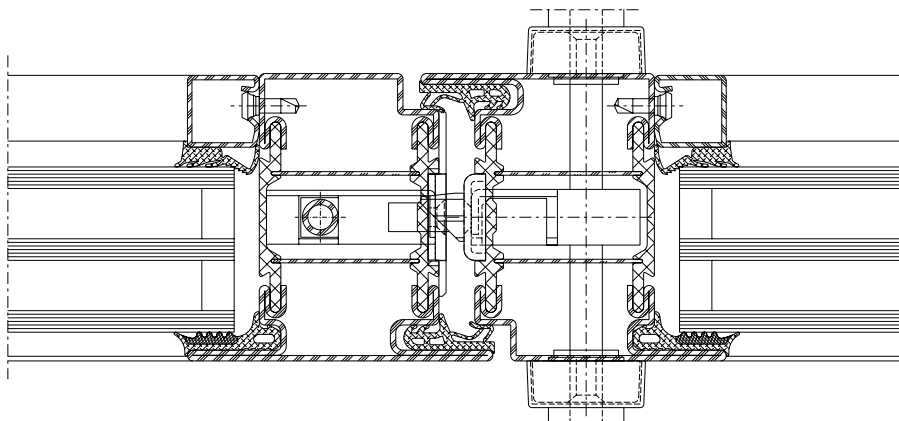
- Bautiefe 80 mm, Türflügel innen und aussen flächenbündig
- Schmale Profilansichten: Rahmen mit Türflügel 130 mm, Türstulpbereich 150 mm
- Für ein- und zweiflügelige Türen, einwärts und auswärts öffnend, mit oder ohne Oberlicht und Seitenteile
- Grösse Türflügel bis max. 1400 mm x 3000 mm (b×h) Flügelgewicht 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

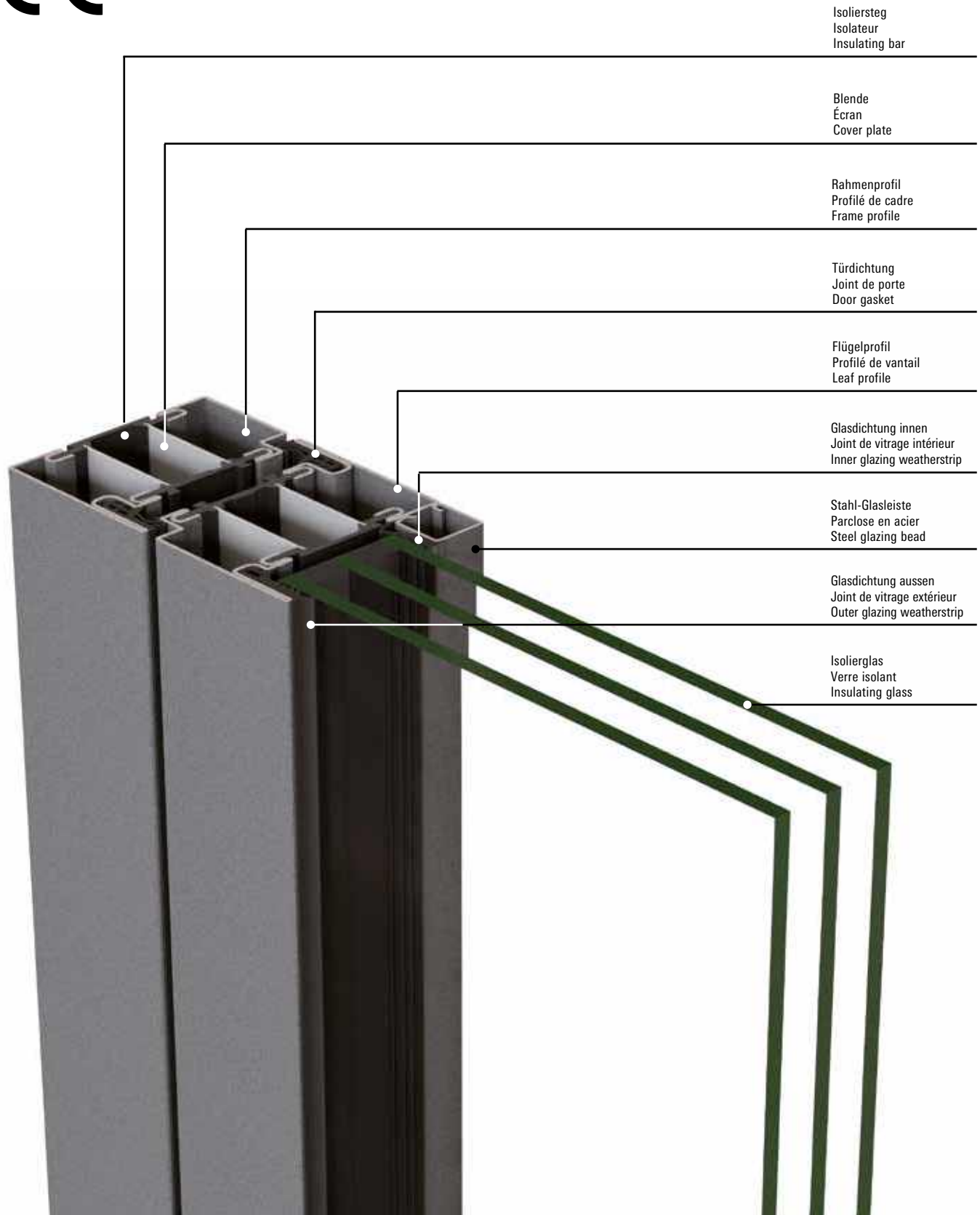
Janisol HI portes










- 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








Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value										
		npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>2000)				
 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 Étanchéité 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/(m ² ·K)) Transmission thermique U_f (W/(m ² ·K)) Thermal production U_f (W/(m ² ·K))	npd	ab 0,74 W/m ² K à partir de 0,74 W/m ² K from 0,74 W/m ² K									
 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 1627	Einbruchhemmung Anti-effraction Burglar resistance	npd	1	2	3	4	5	6				
 EN 14024	Metallprofile mit thermischer Trennung Profils en métal. avec rupture de pont thermique Metal profiles with thermal barrier		CW / TC2									

npd = keine Leistung festgestellt
(no performance determined)

npd = Aucune performance
déterminée
(no performance determined)

npd = no performance determined

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value									
		D	1	2	3	4	5	6	7	8	
 EN 12400	Dauerfunktionsprüfung Durabilité mécanique Mechanical durability		5'000	10'000	20'000	50'000	100'000	200'000	500'000	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

Zur Erreichung der maximalen Leistungswerte bzw. der CE-Kennzeichnung sind die Gutachtlichen Stellungnahmen zu beachten.
(docucenter.jansen.com)

Il doit être tenu compte des avis d'expert dans le but d'obtenir les valeurs de performance maximales et le marquage CE.
(docucenter.jansen.com)

To achieve the maximum performance values and/or the CE marking, the expert appraisal report must be observed.
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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

- Verschlussystem für Notausgangstüren nach EN 179
- Verschlussystem 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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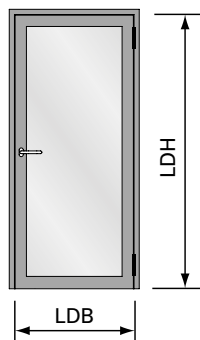
The items «Article library/Door fittings/Window fittings» means that you download the entire article library for the corresponding system with one click (profiles, fittings, glazing beads, accessories etc.).

Information and advice

We would be delighted to provide you with advice in person and are available to answer any questions you may have. Please write to us with your queries at: info@jansen.com

Technische Daten
Données techniques
Technical data

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 1360 mm
 min. 600 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 1360 mm
 min. 600 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

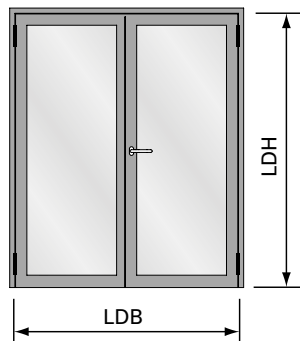
Poids de vantail max. 280 kg

Size of elements

LDB Clear opening width
 max. 1360 mm
 min. 600 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

Weight of leaf max. 280 kg



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 2740 mm
 min. 1200 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 2740 mm
 min. 1200 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

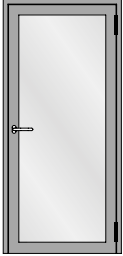
Poids de vantail max. 280 kg

Size of elements

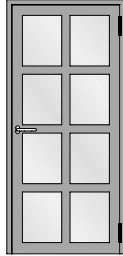
LDB Clear opening width
 max. 2740 mm
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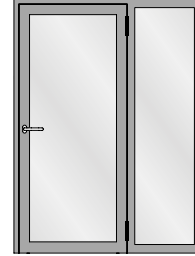
Weight of leaf max. 280 kg



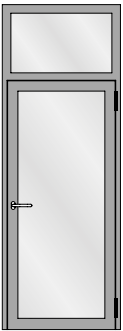
Einflügelige Türe
Porte à un vantail
Single leaf door



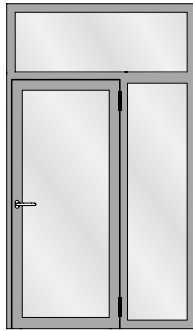
Einflügelige Türe mit Riegel
Porte à un vantail avec traverses
Single leaf door with transoms



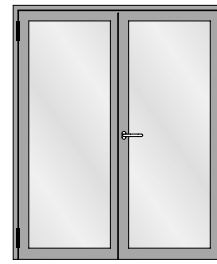
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



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



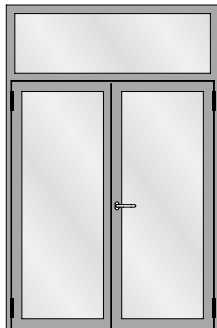
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



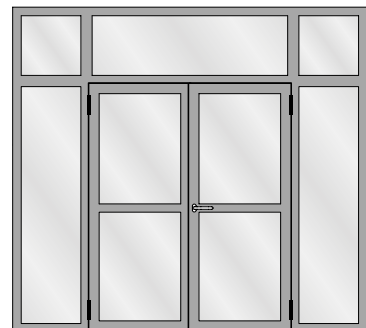
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



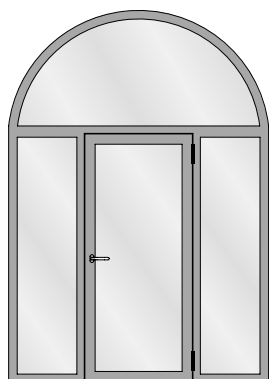
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deux parties latérales fixes
Double leaf door with two fixed side lights



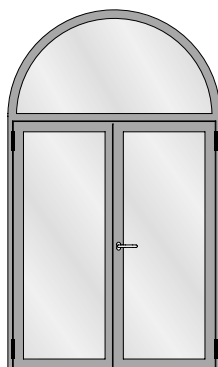
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



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



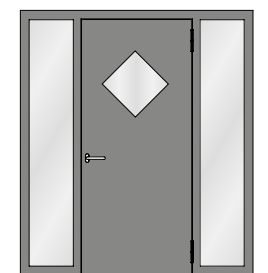
Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
 Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
 Single leaf door with two fixed side lights and round arched top light



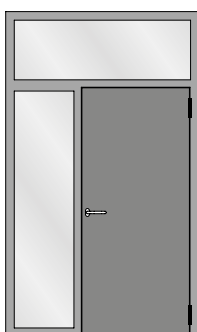
Zweiflügelige Türe mit Rundbogen-Oberlicht
 Porte à deux vantaux avec imposte demi-ronde
 Double leaf door with round arched top light



Festverglasung
 Vitrage fixe
 Fixed glazing



Verblechte einflügelige Türe mit zwei festen Seitenteilen
 Porte tôle 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 tôle 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 tôle 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.

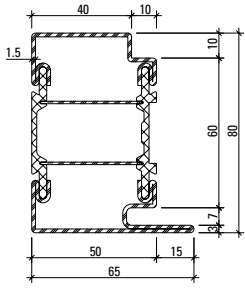
Hinweis Oberflächenbehandlung:
 Wegen der Lochschweißungen empfehlen wir eine Nasslackierung mit vorgängigem Spachteln.

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

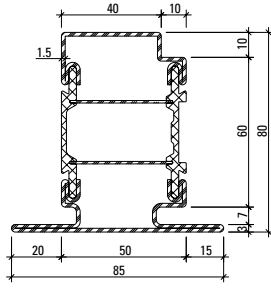
Indications sur le traitement de surface:
 En raison des soudures bouchons, nous recommandons un laquage avec vernis liquide précédé d'un rebouchage.

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.

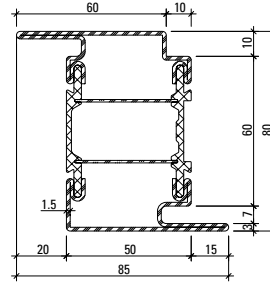
Surface treatment note:
 We recommend wet lacquering preceded by priming, due to the plug welds.



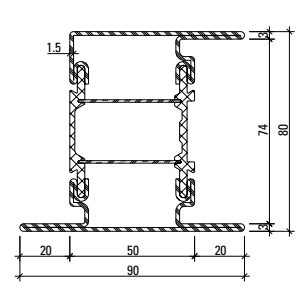
680.013 Z



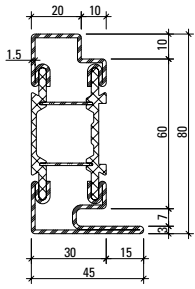
680.114 Z



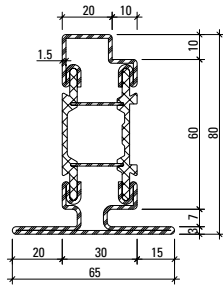
680.416 Z



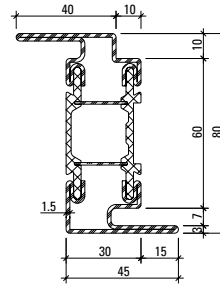
680.652 Z



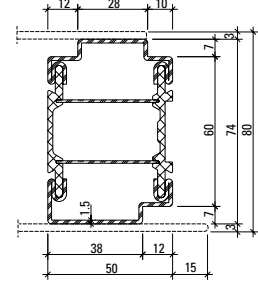
680.010 Z



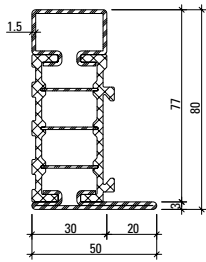
680.110 Z



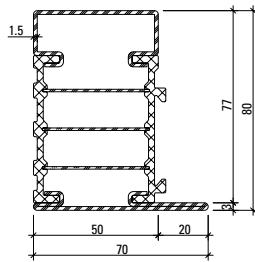
680.411 Z



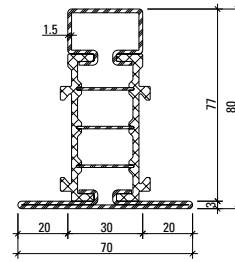
680.051 Z



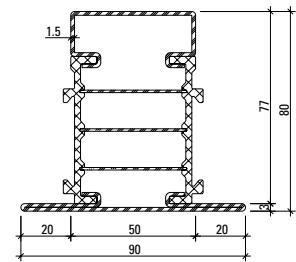
681.630 Z



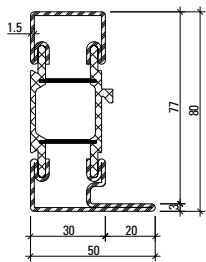
681.650 Z



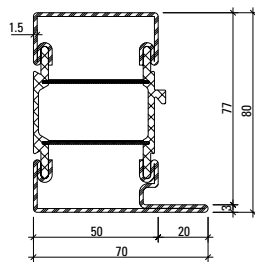
682.630 Z



682.650 Z



681.635 Z*

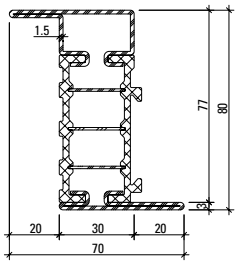


681.655 Z*

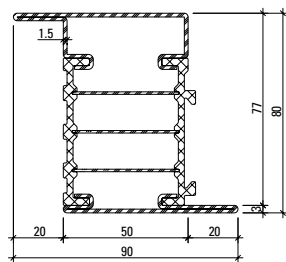
*in Kombination mit Bogen
 *en combinaison avec des cintres
 *in combination with arched design

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /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

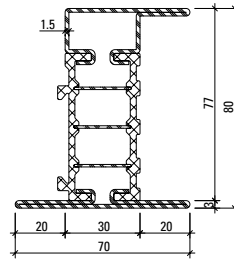
Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.010 Z	3,851	25,60	5,36	6,04	2,19	0,308
680.110 Z	4,435	29,52	5,62	10,06	2,99	0,357
680.411 Z	4,440	34,55	8,53	10,05	2,99	0,357
680.051 Z	3,635	21,02	5,61	11,88	4,68	0,280
681.630 Z	3,713	25,83	5,65	5,61	1,85	0,297
681.650 Z	4,331	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



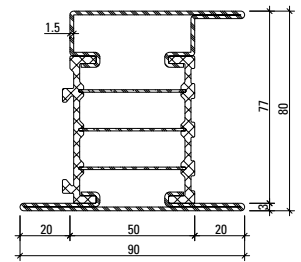
683.630 Z



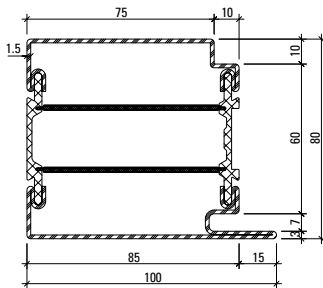
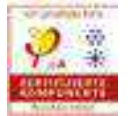
683.650 Z



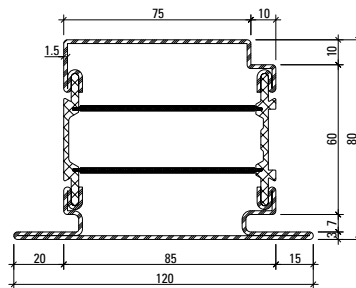
685.630 Z



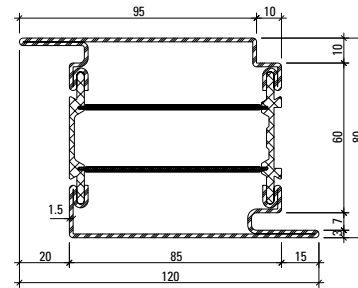
685.650 Z



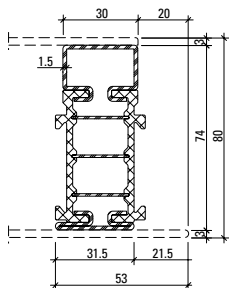
680.016 Z



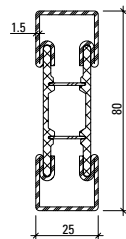
680.115 Z



680.417 Z



680.060 Z



600.012
600.012 Z

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 Article library

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

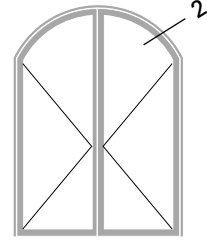
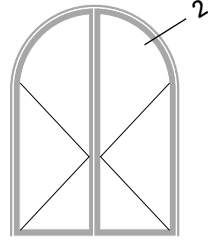
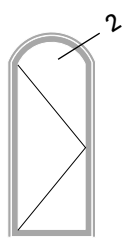
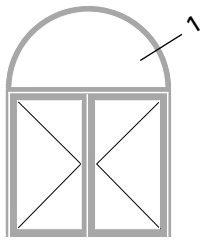
Insulator = glassfibre reinforced plastic

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y 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

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.016 Z	5.688	43.69	9.60	62.25	11.95	0.417
680.115 Z	5.948	48.44	9.83	81.85	13.31	0.466
680.417 Z	6.257	52.25	12.94	81.91	13.32	0.466
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

Bogentüren
Portes cintrées
Arched doors

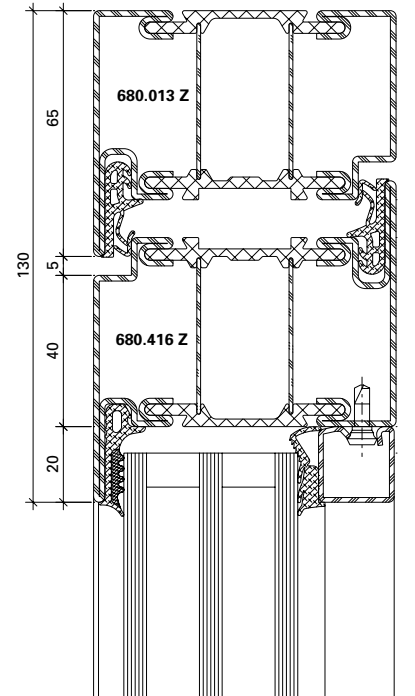
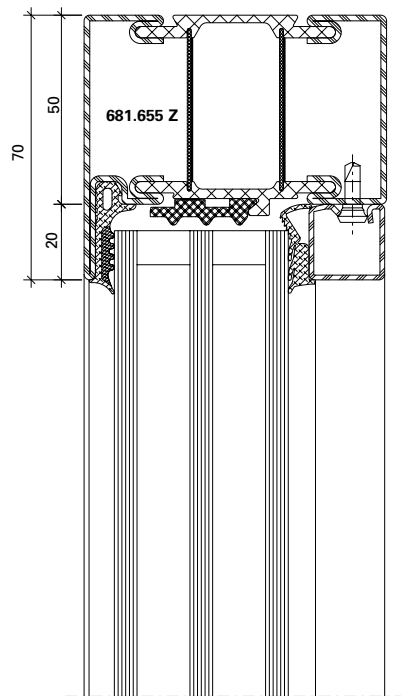
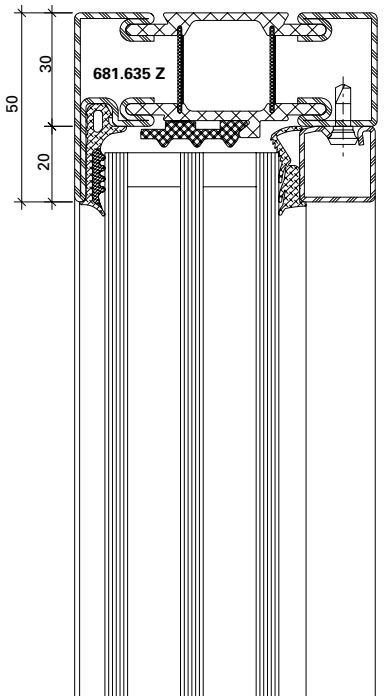
Janisol HI Türen
Janisol HI portes
Janisol HI doors



1.0

1.1

2.0



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

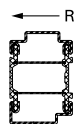
Les rayons indiqués concernent la fabrication des cintres par la société Jansen.

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

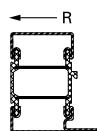
Bogentüren
Portes cintrées
Arched doors

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---

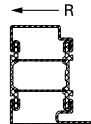


680.051 Z	600 mm
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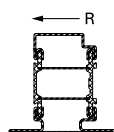


681.635 Z	700 mm
681.655 Z	750 mm

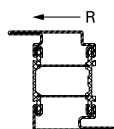
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---



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 Parcloles 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 Parcloles 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 Parcloles 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.

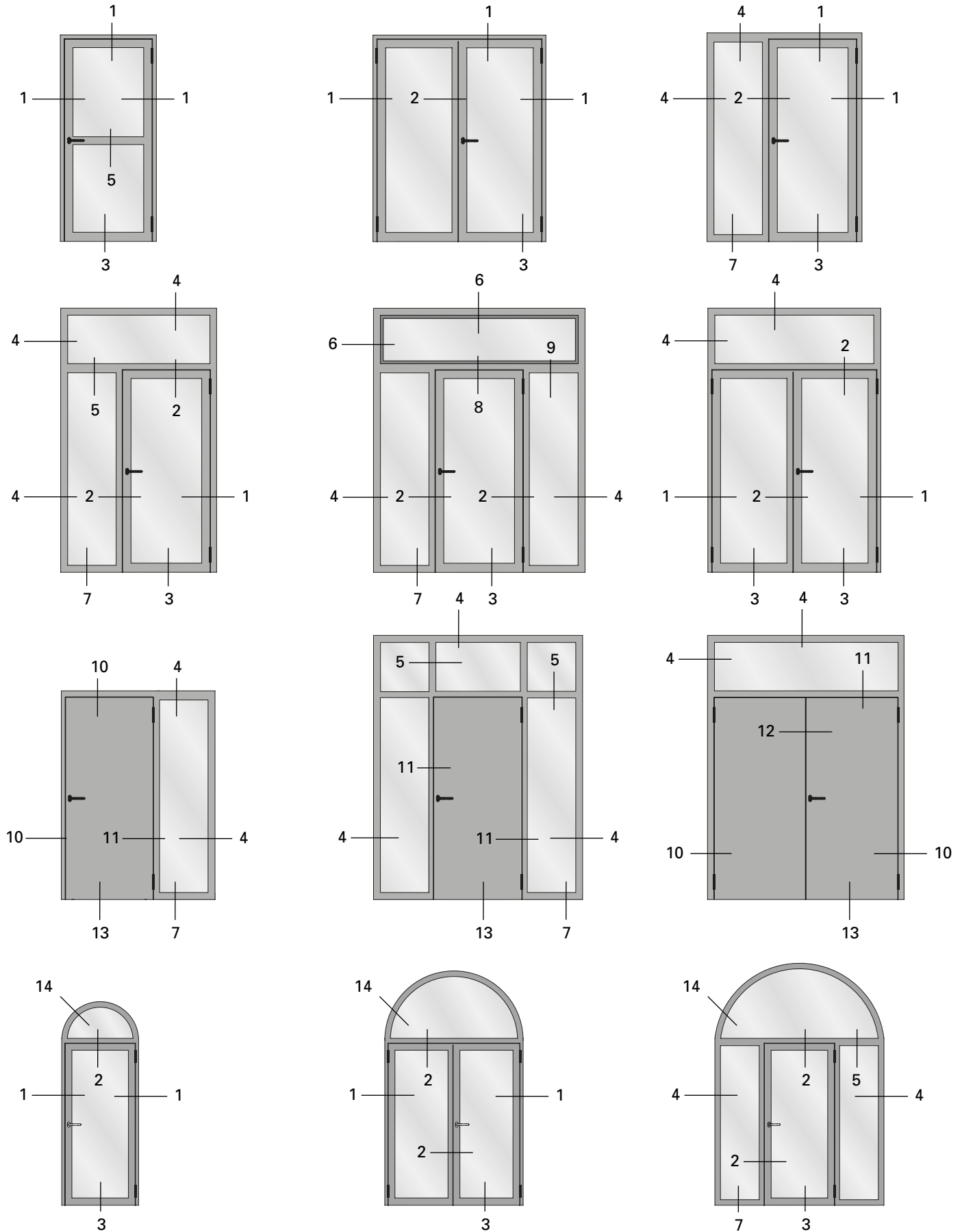
Bitte benutzen Sie unsere Bestellvorlagen auf docucenter.jansen.com

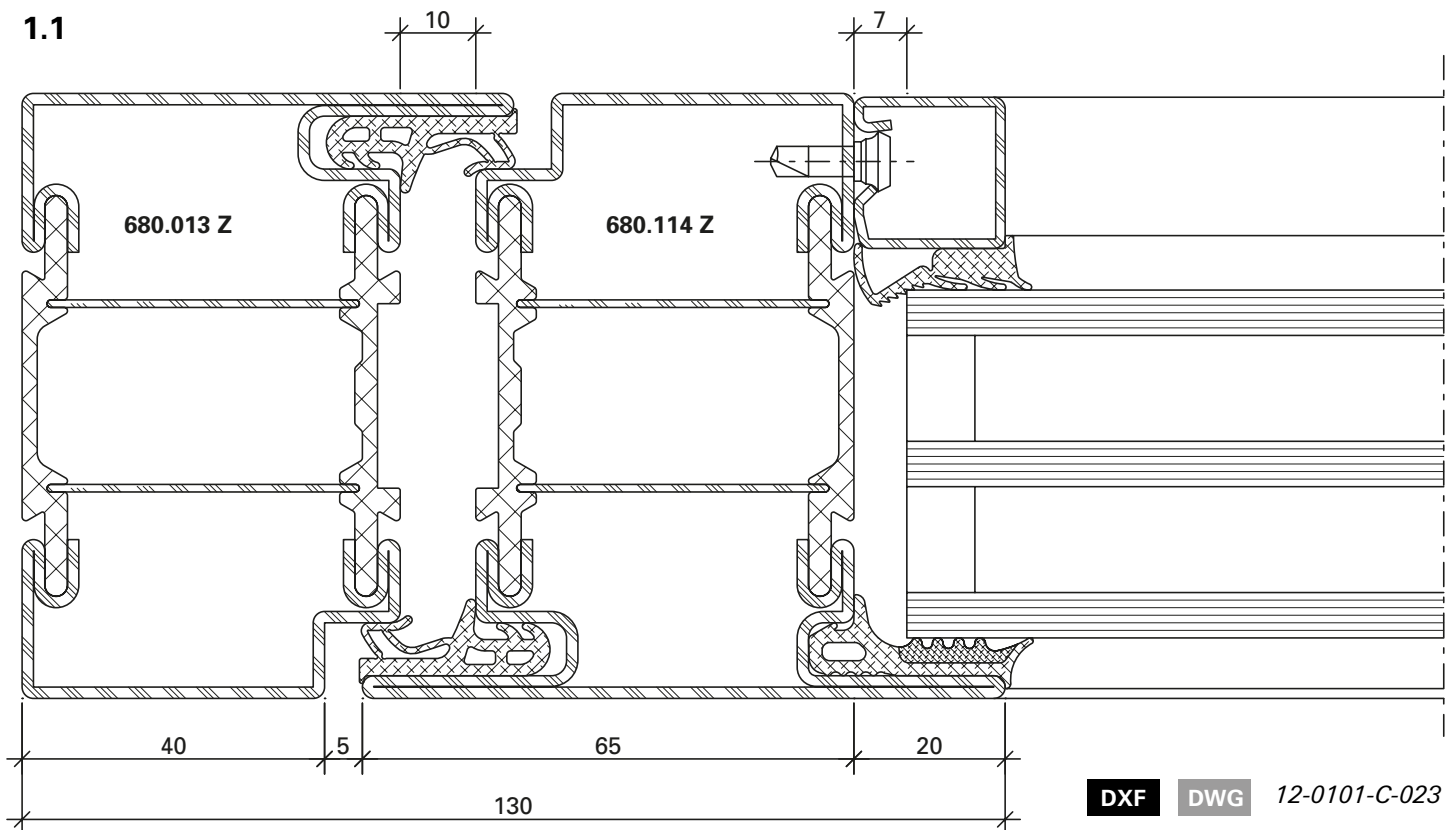
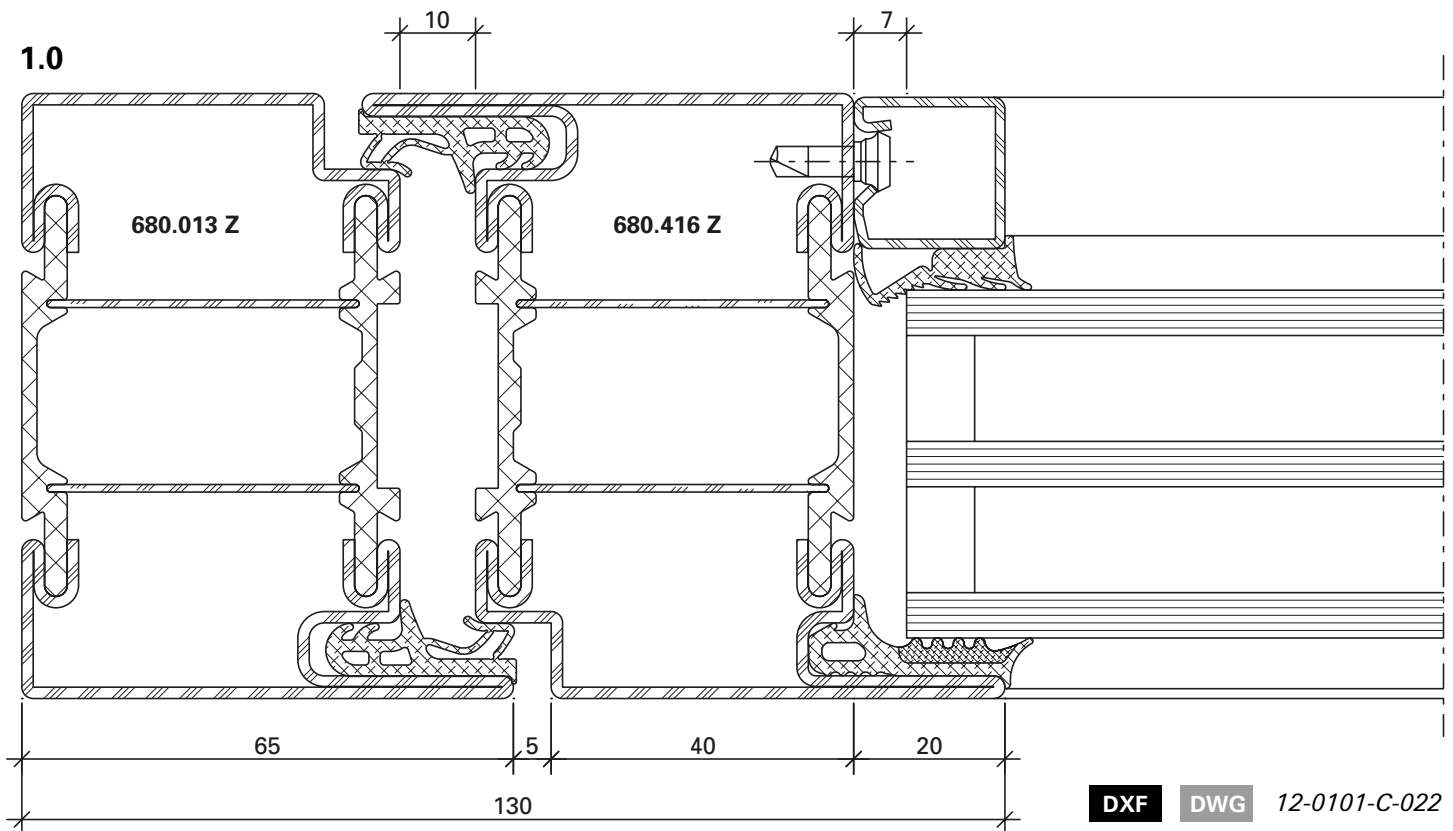
Autres types de profilés et profilés au tracé cintré sur demande.

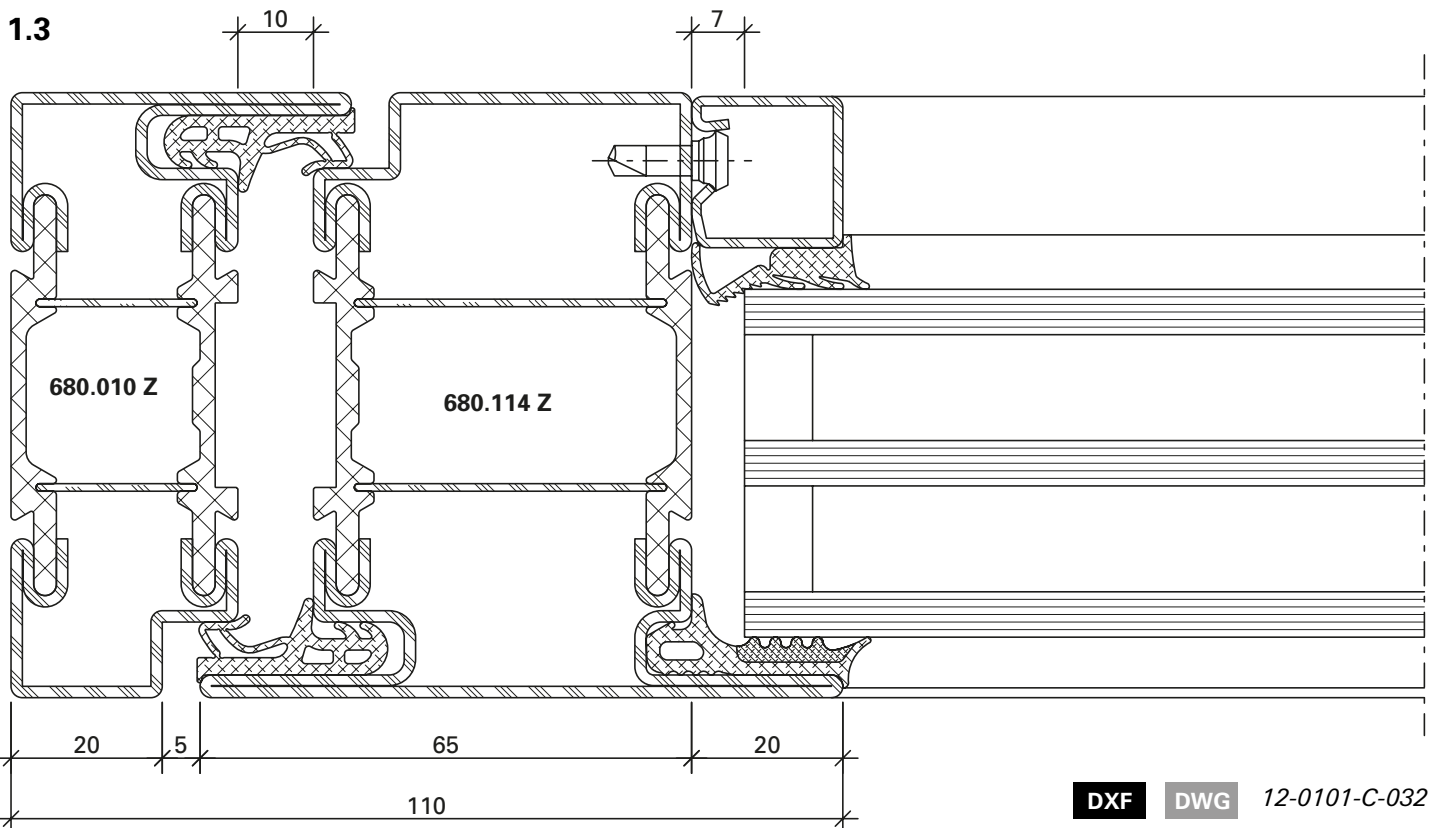
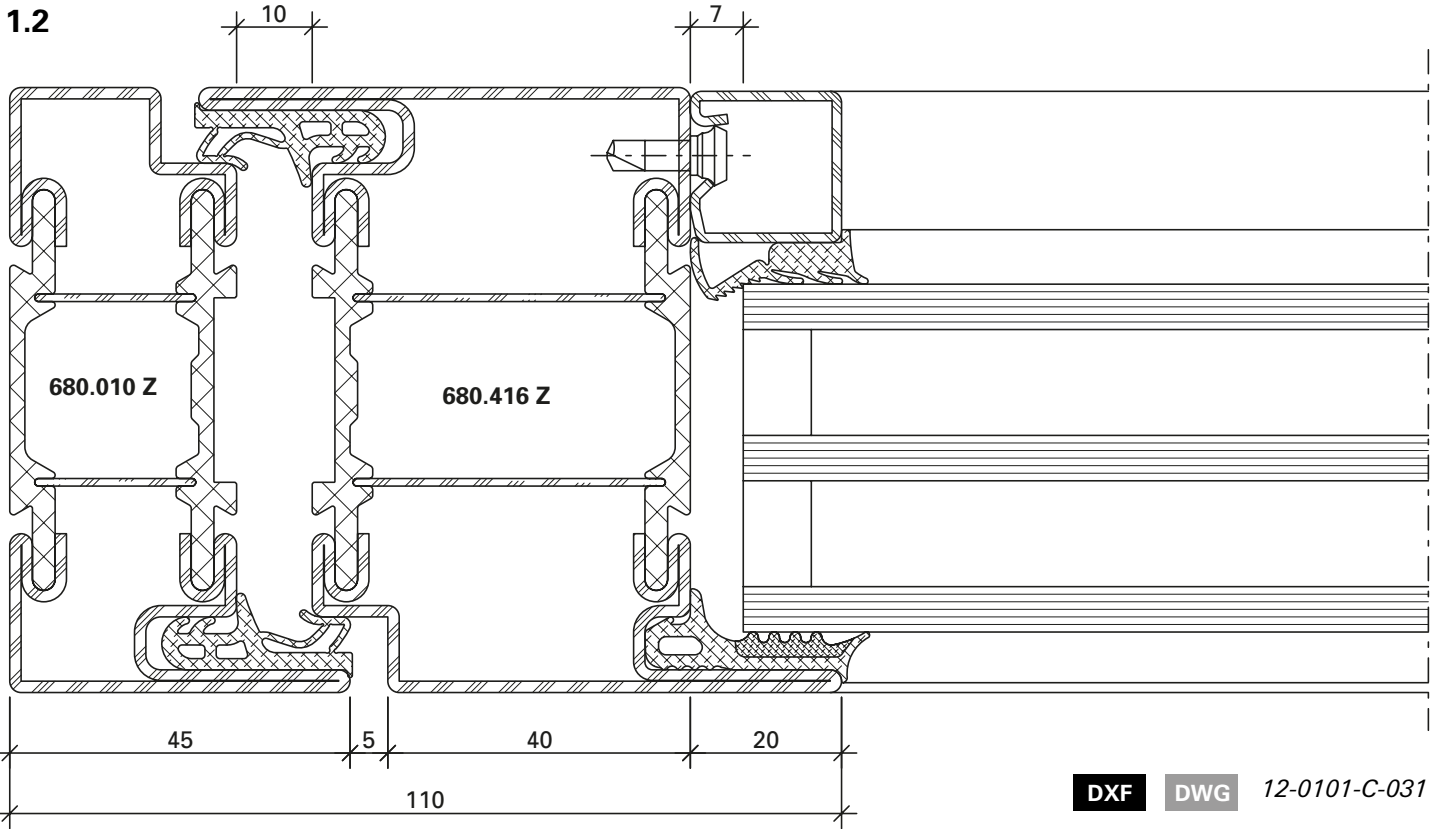
Veuillez utiliser nos formulaires de commande sur docucenter.jansen.com

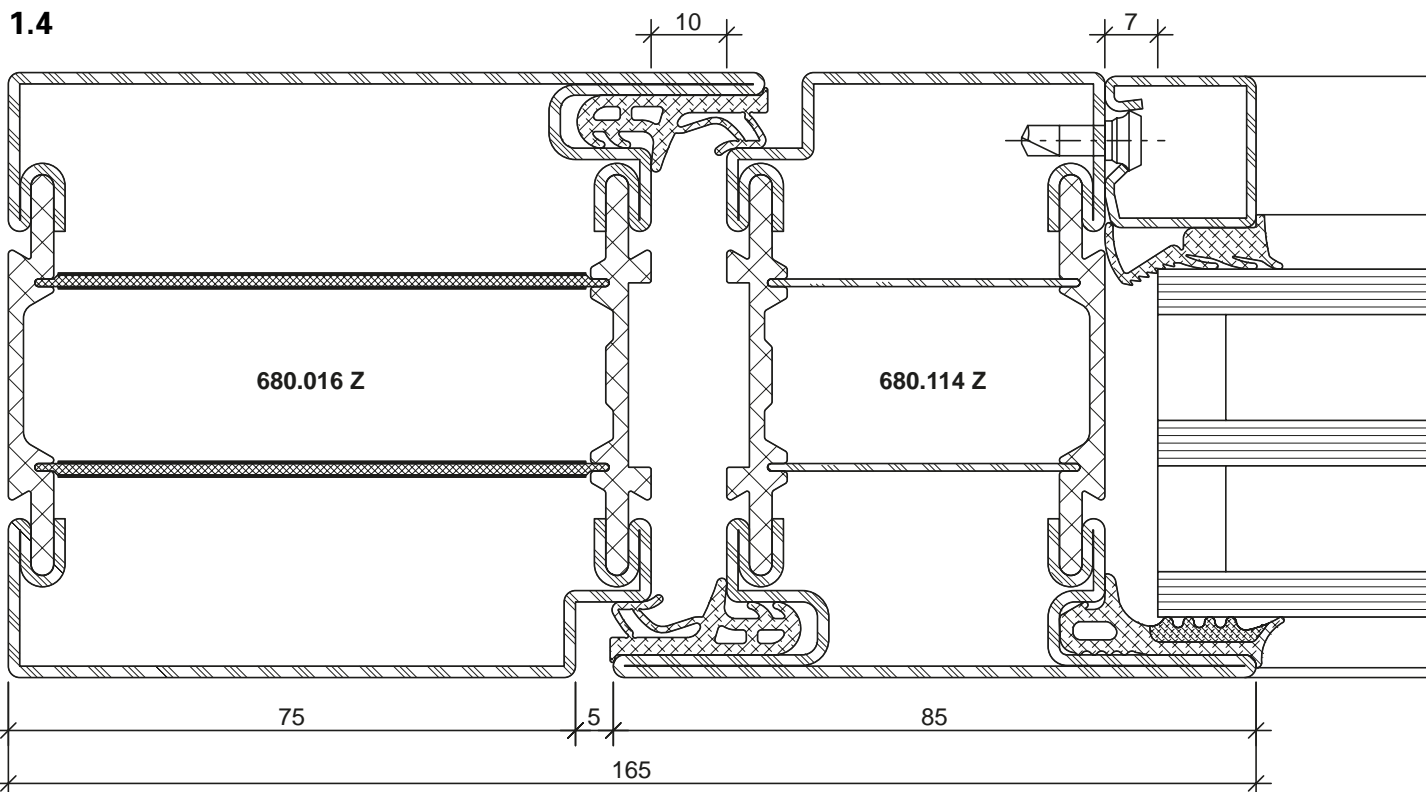
Other profile types and profiles curved in the floor plan are available on request.

Please use our order forms on docucenter.jansen.com

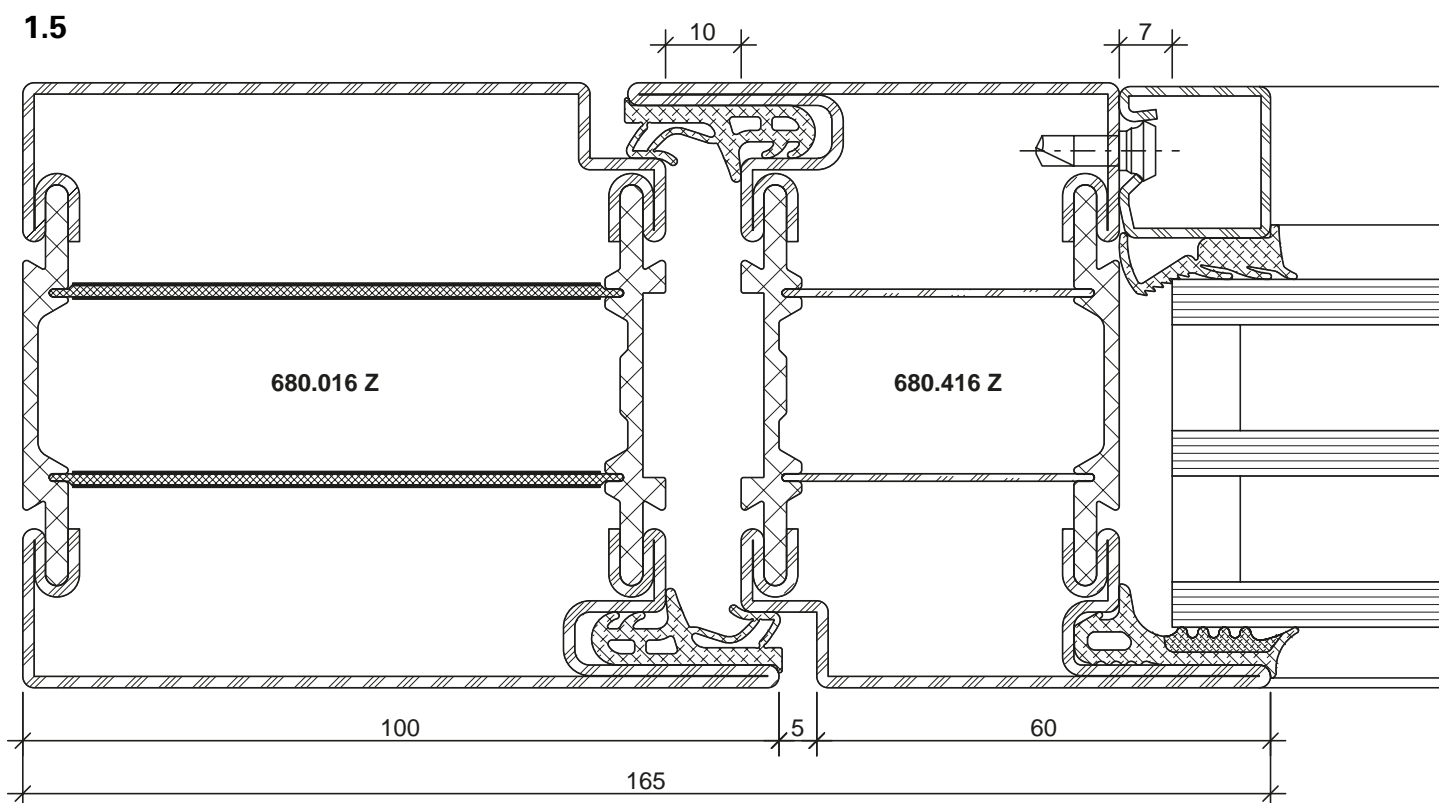






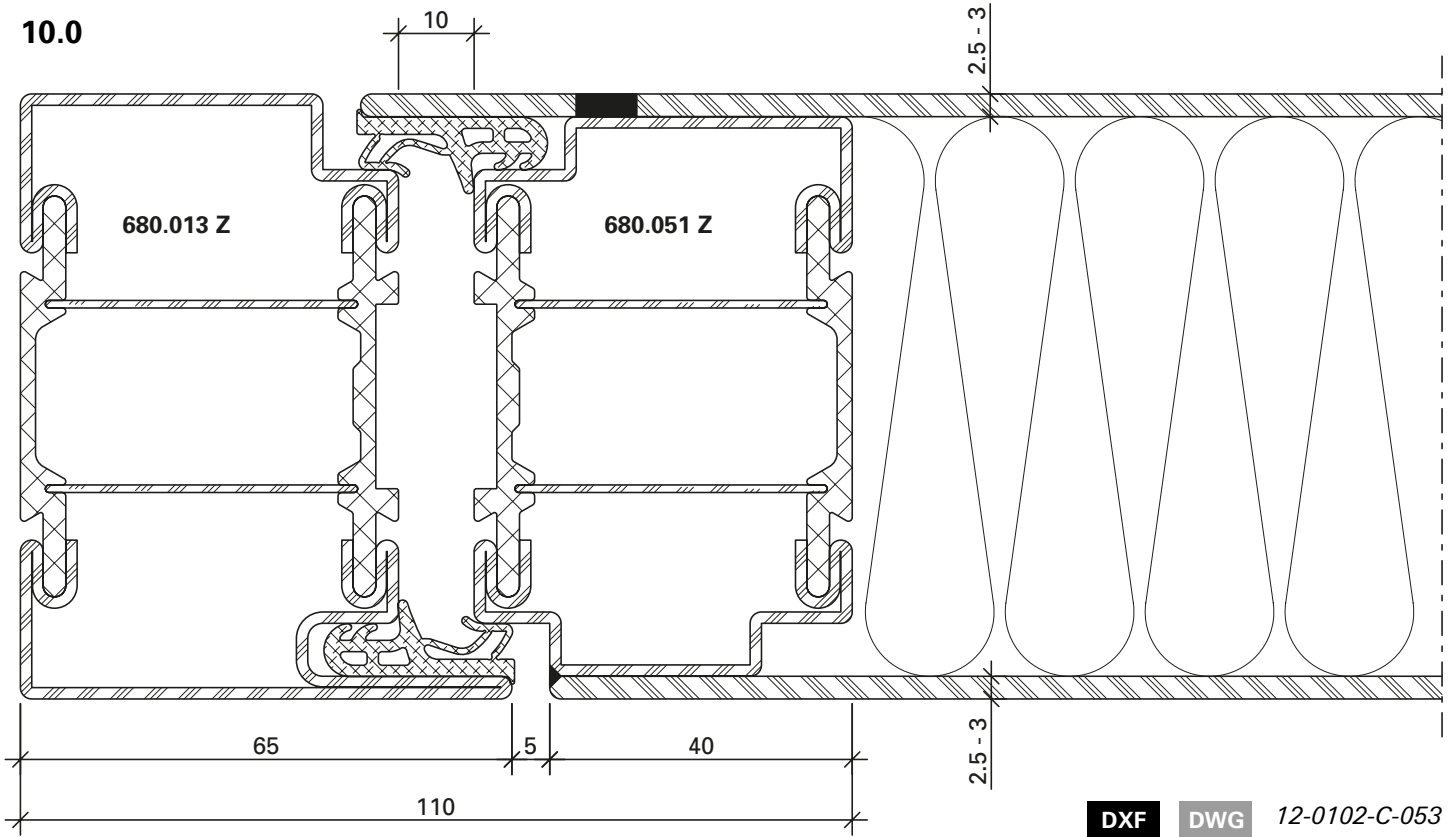


DXF **DWG** 12-0101-C-042



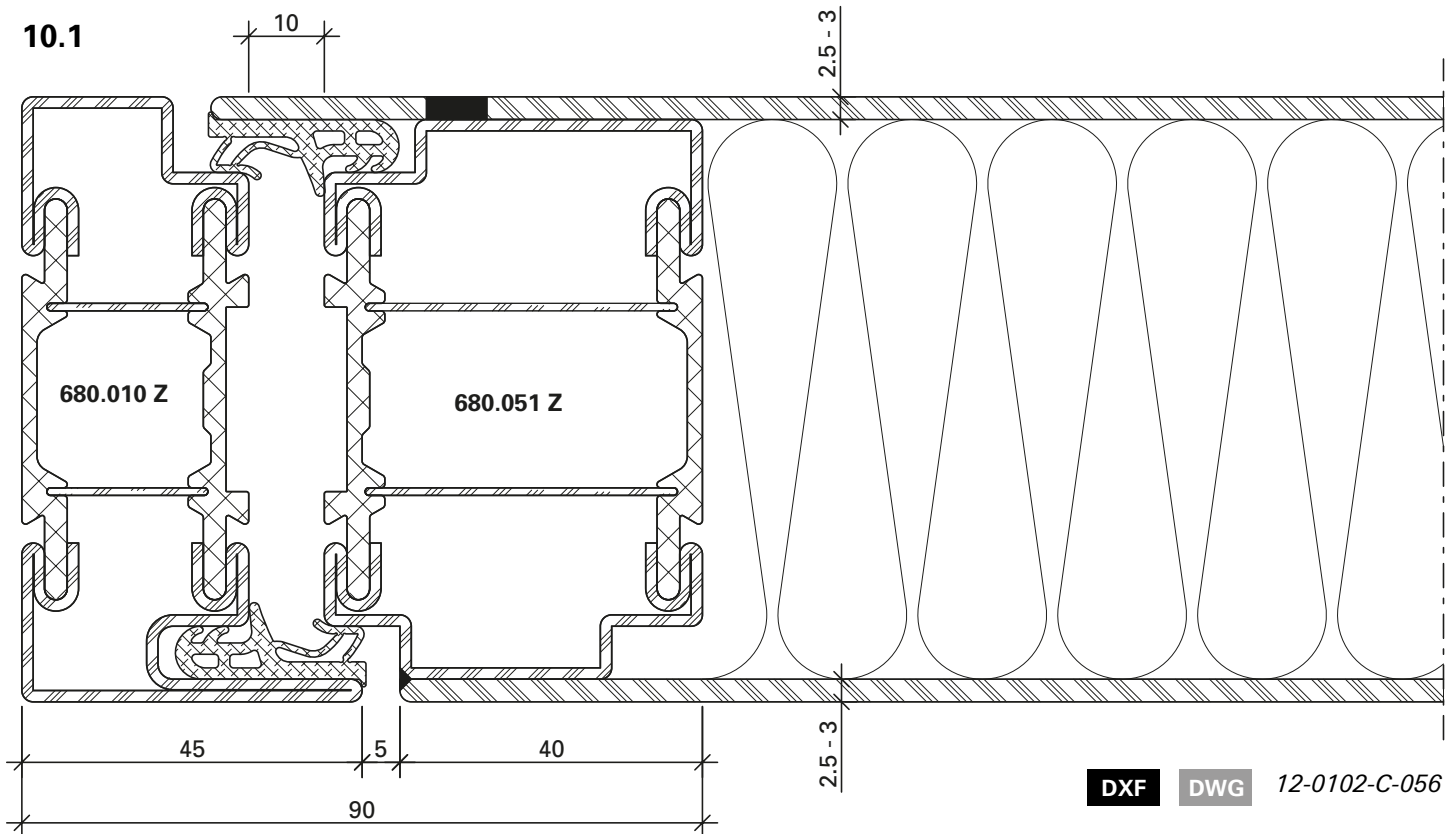
DXF **DWG** 12-0101-C-050

10.0



DXF DWG 12-0102-C-053

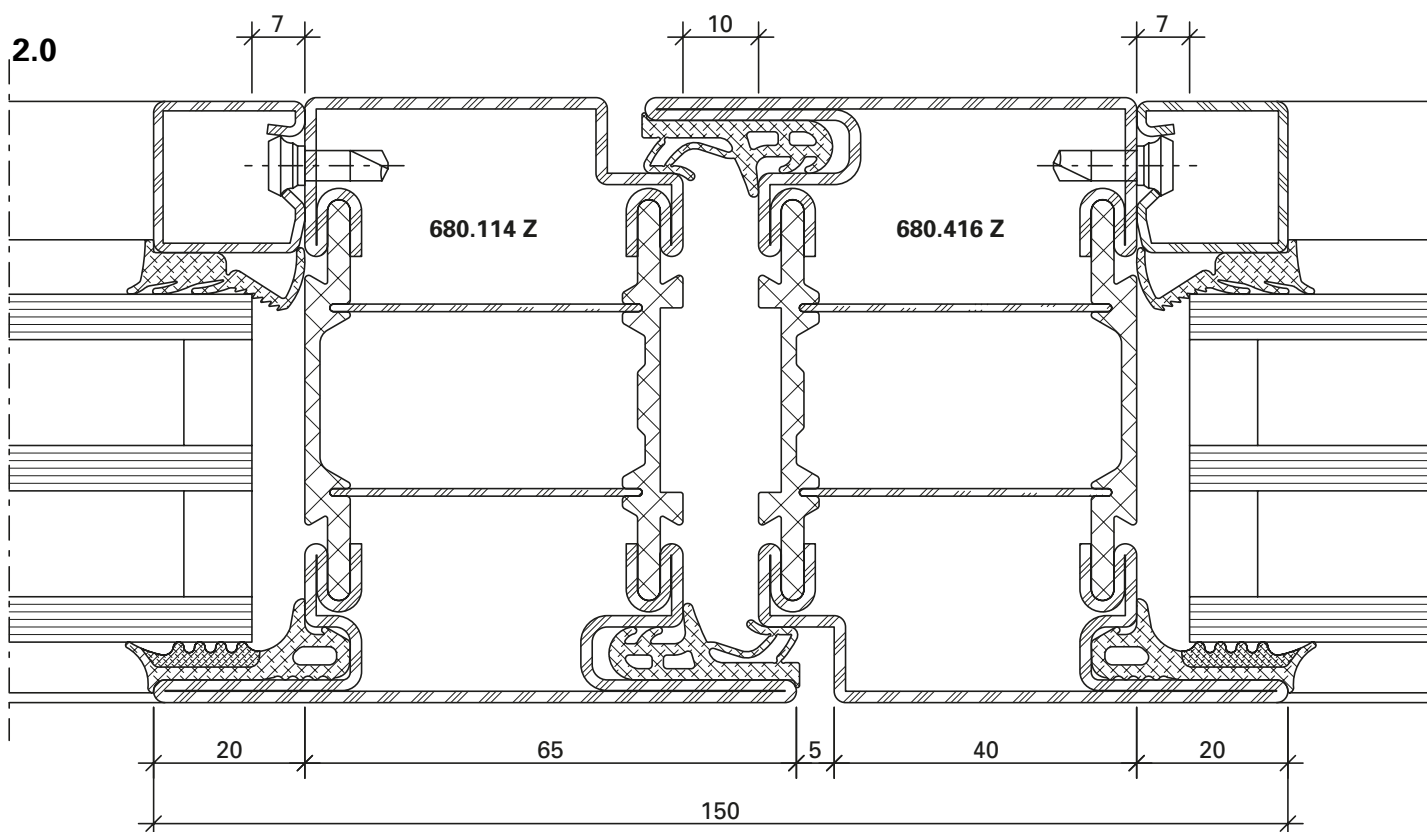
10.1



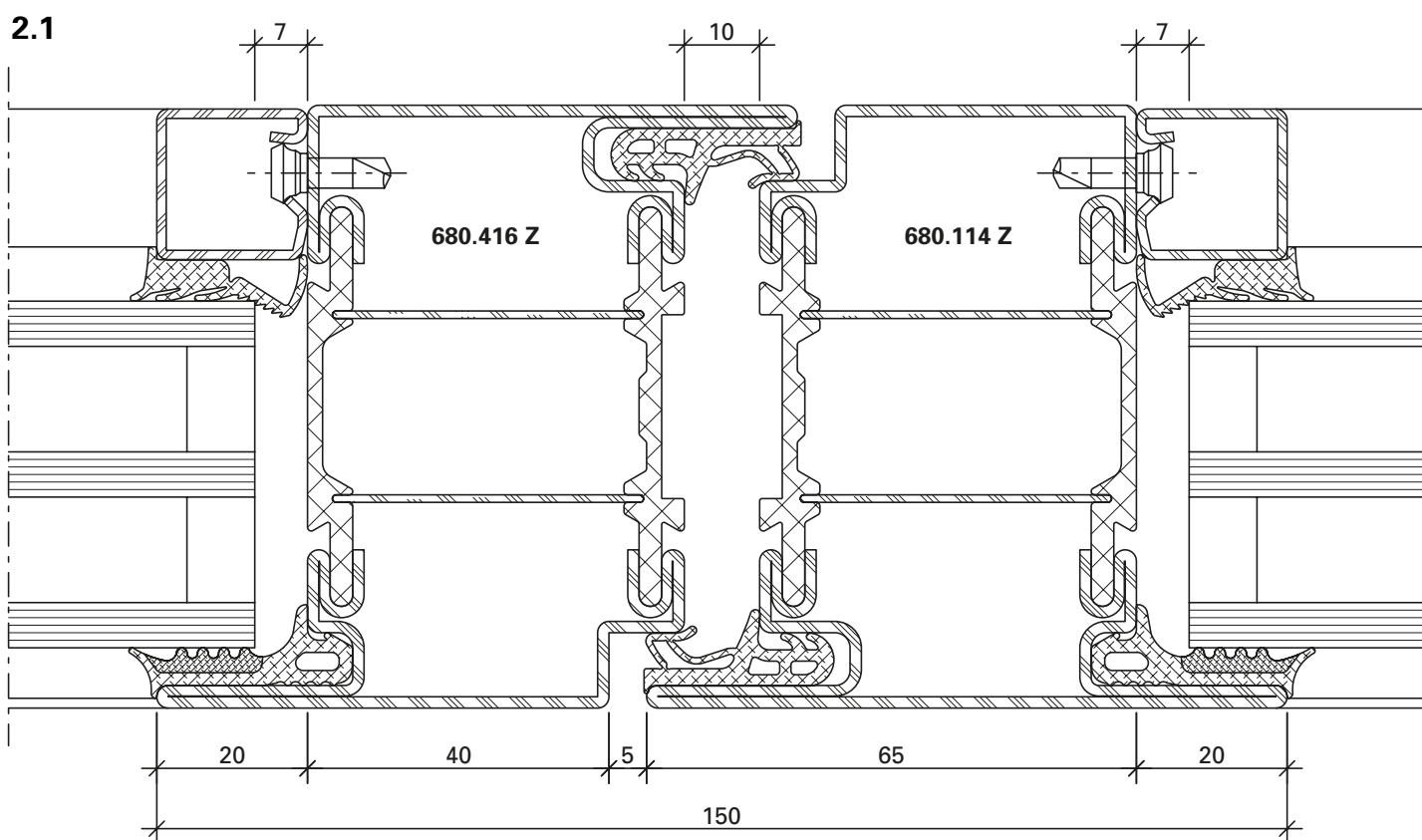
DXF DWG 12-0102-C-056

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors

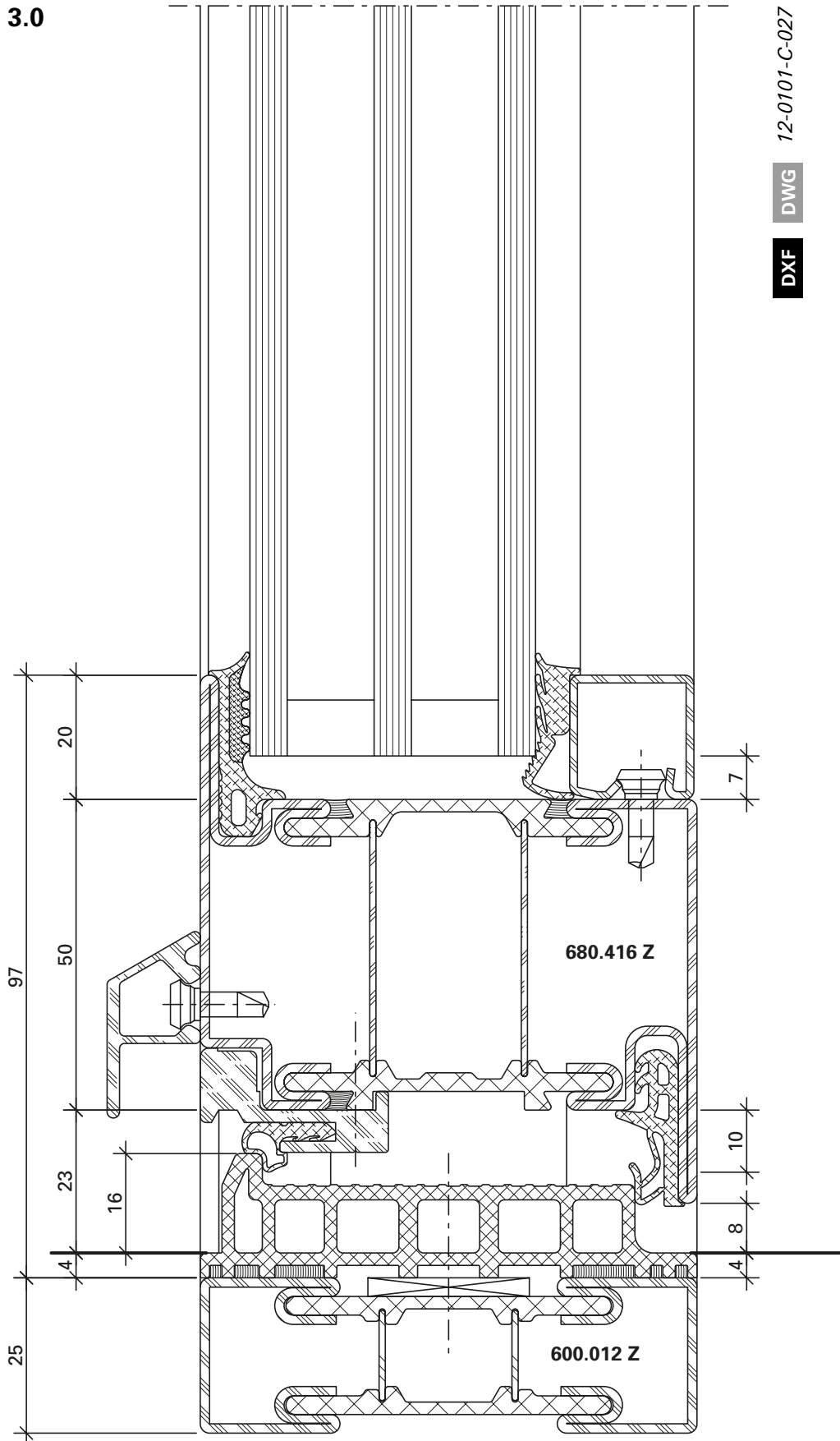


DXF DWG 12-0101-C-024



DXF DWG 12-0101-C-025

3.0

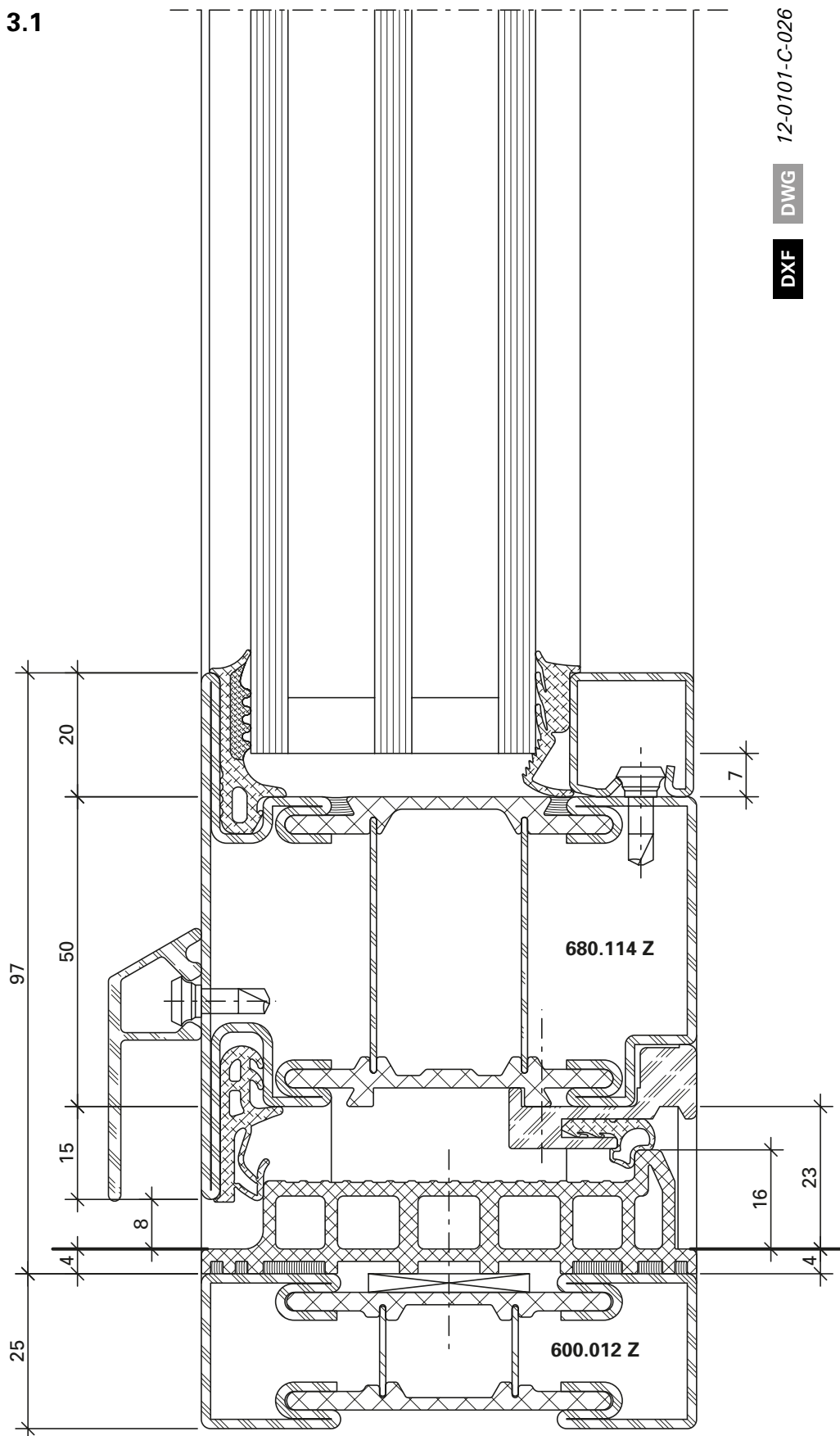


DWG 12-0101-C-027

DWG

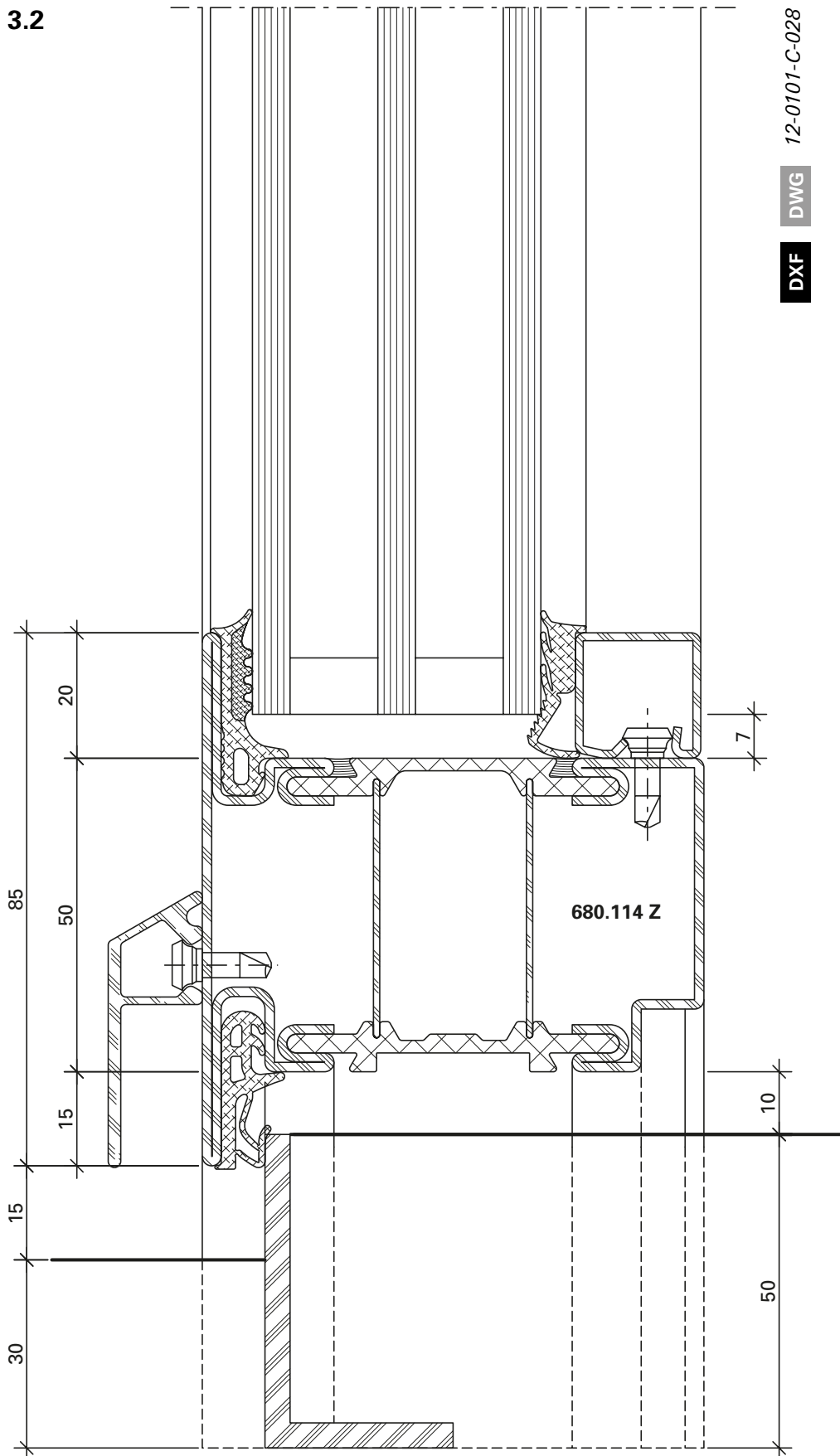
DXF

3.1



DWG 12-0101-C-026
DXF

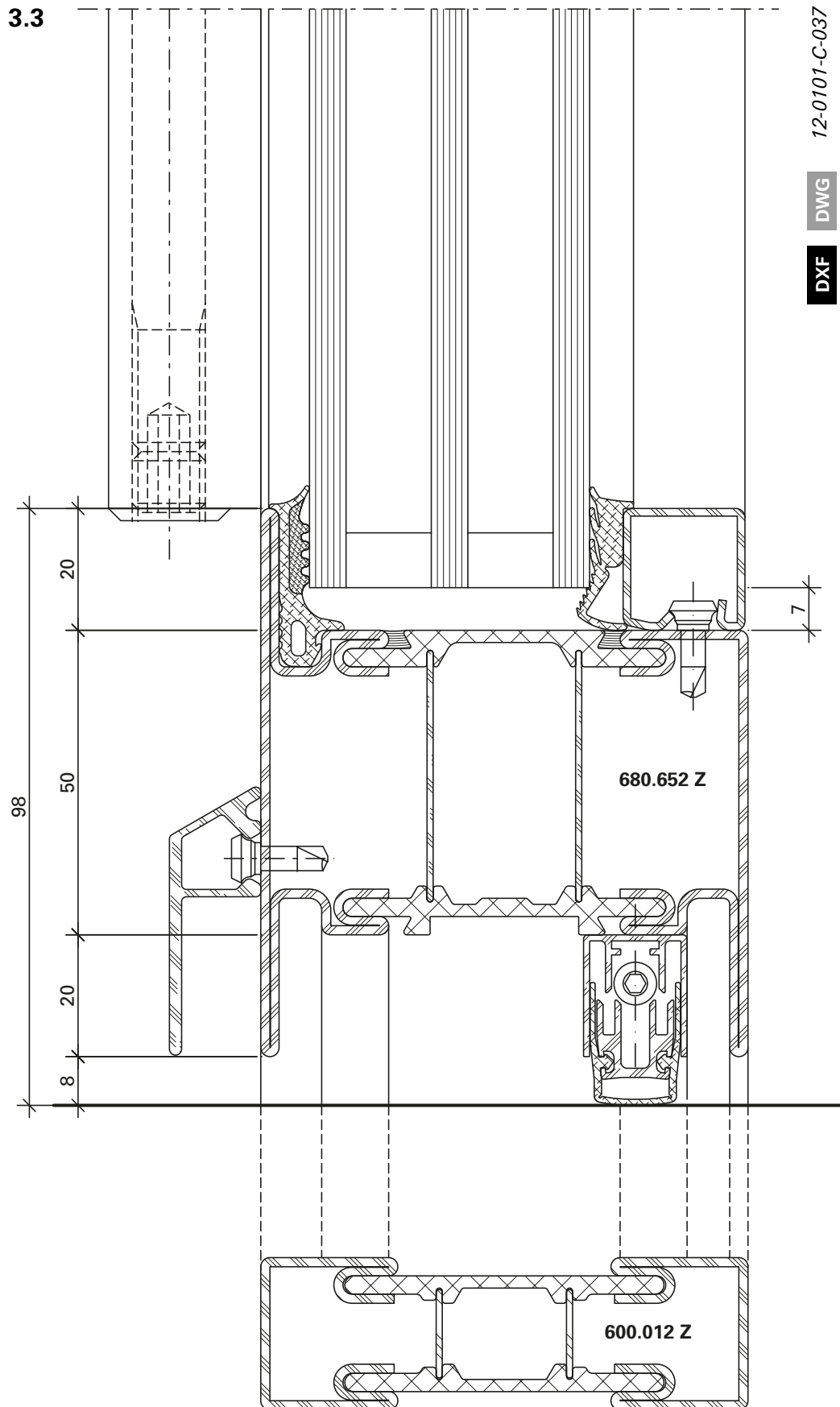
3.2



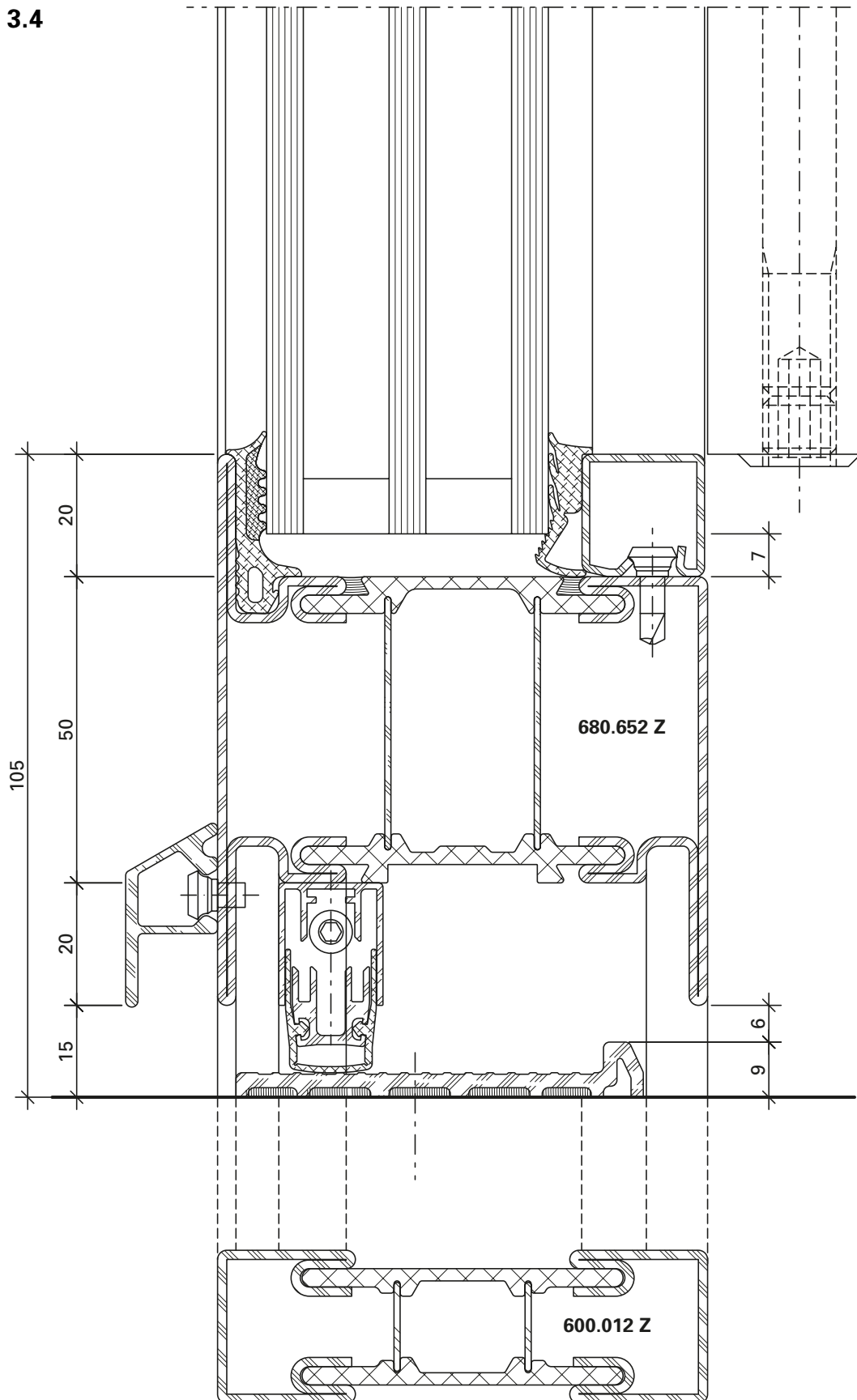
12-0101-C-028

DWG

DXF



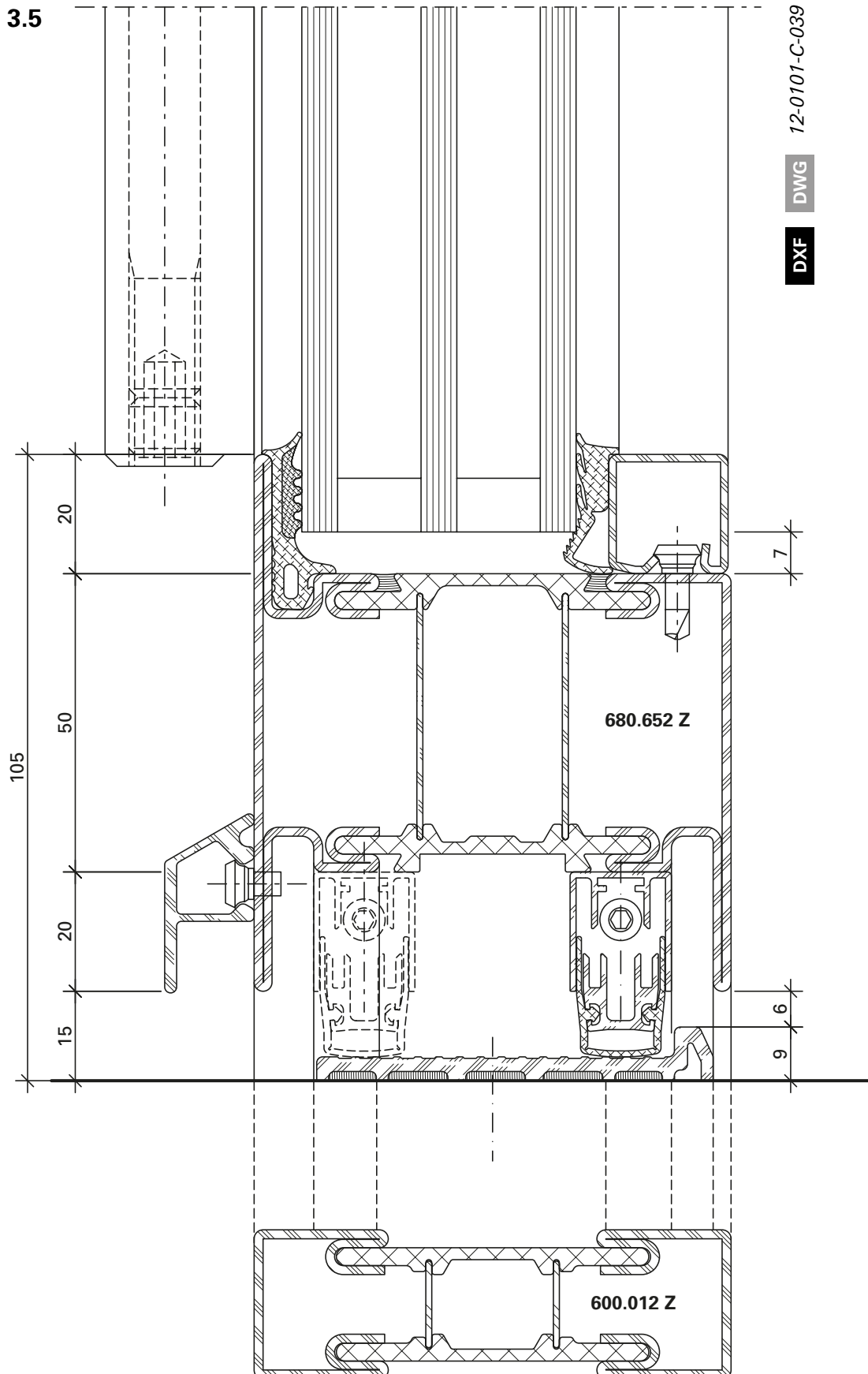
3.4



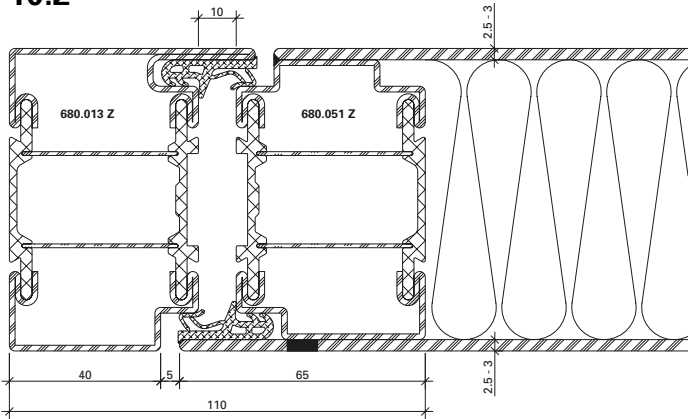
12-0101-C-038

DWG

DXF

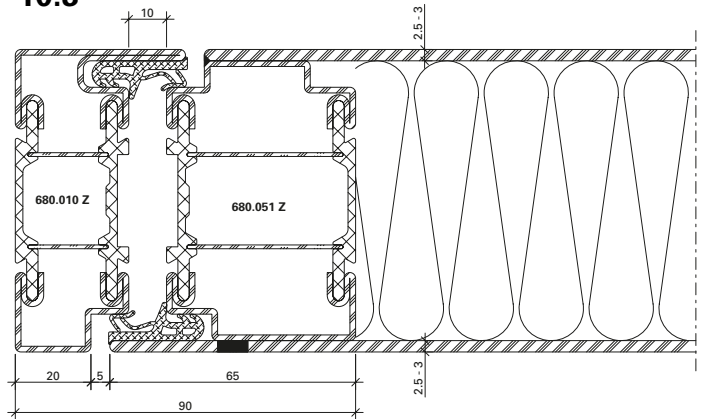


10.2



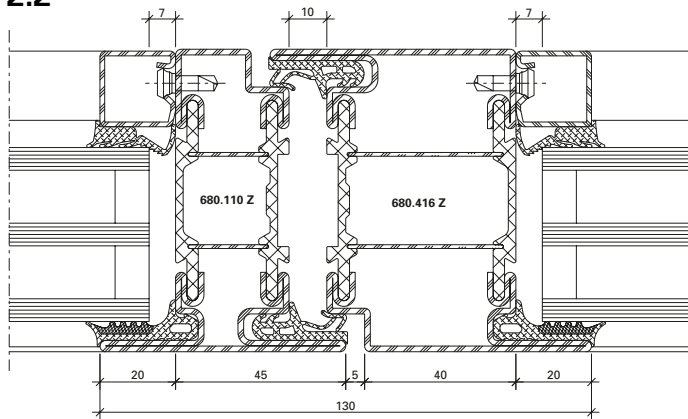
DXF **DWG** 12-0102-C-054

10.3



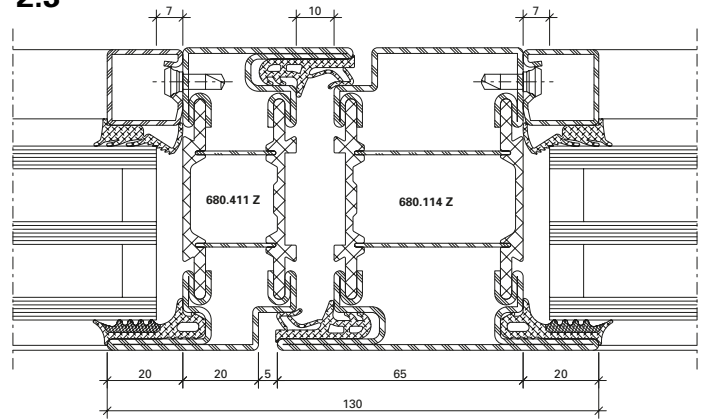
DXF **DWG** 12-0102-C-055

2.2



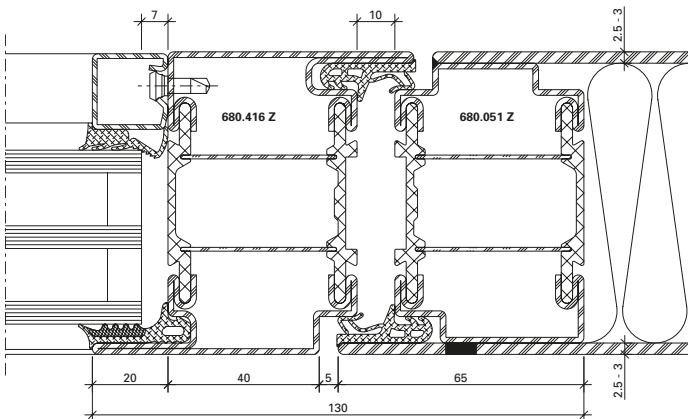
DXF **DWG** 12-0101-C-033

2.3



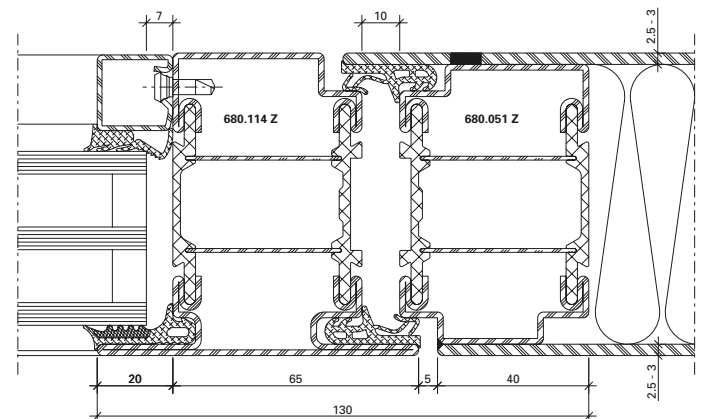
DXF **DWG** 12-0101-C-034

11.0



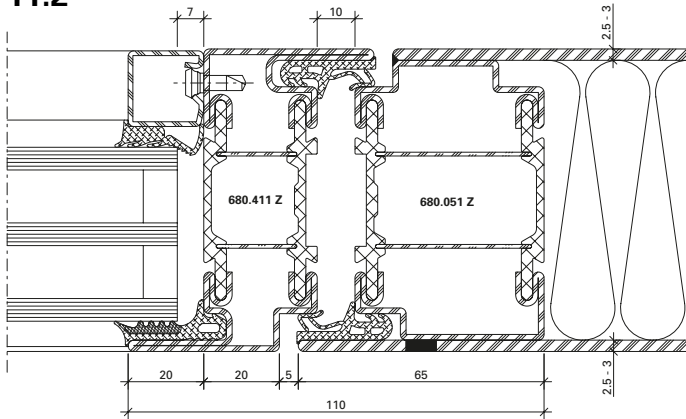
DXF **DWG** 12-0102-C-059

11.1



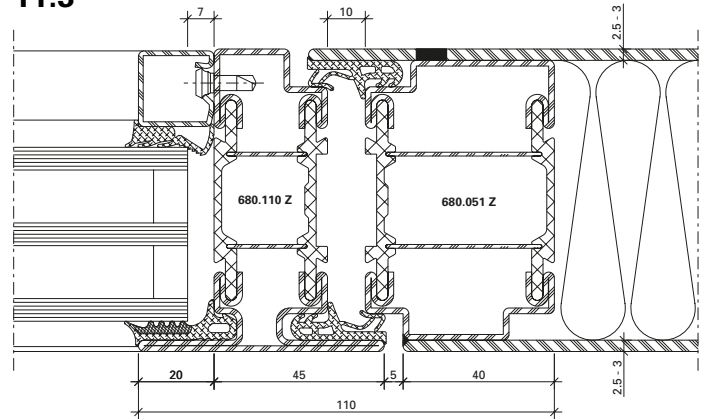
DXF **DWG** 12-0102-C-060

11.2



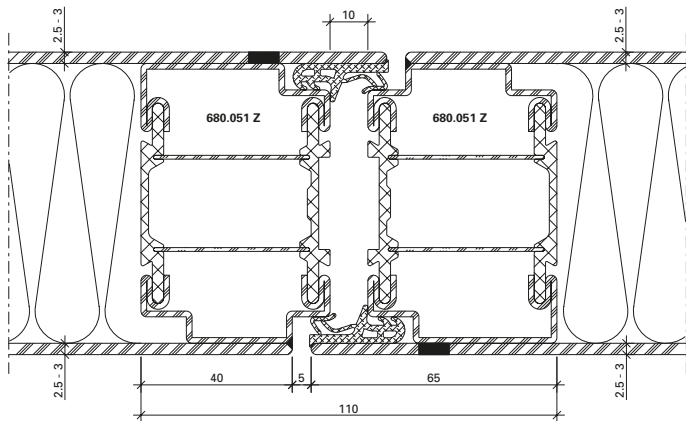
DXF **DWG** 12-0102-C-061

11.3



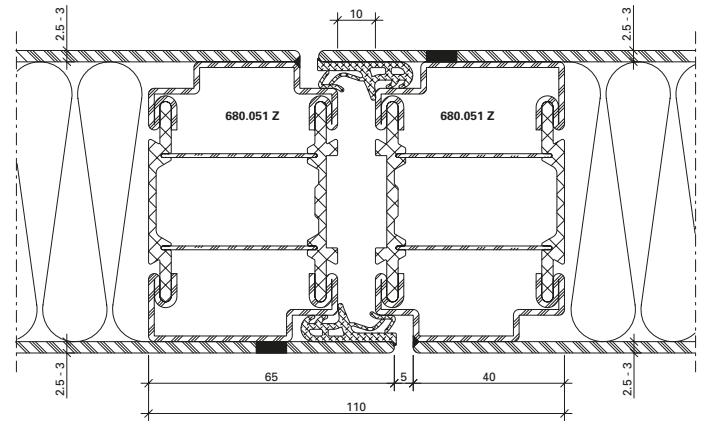
DXF **DWG** 12-0102-C-062

12.0



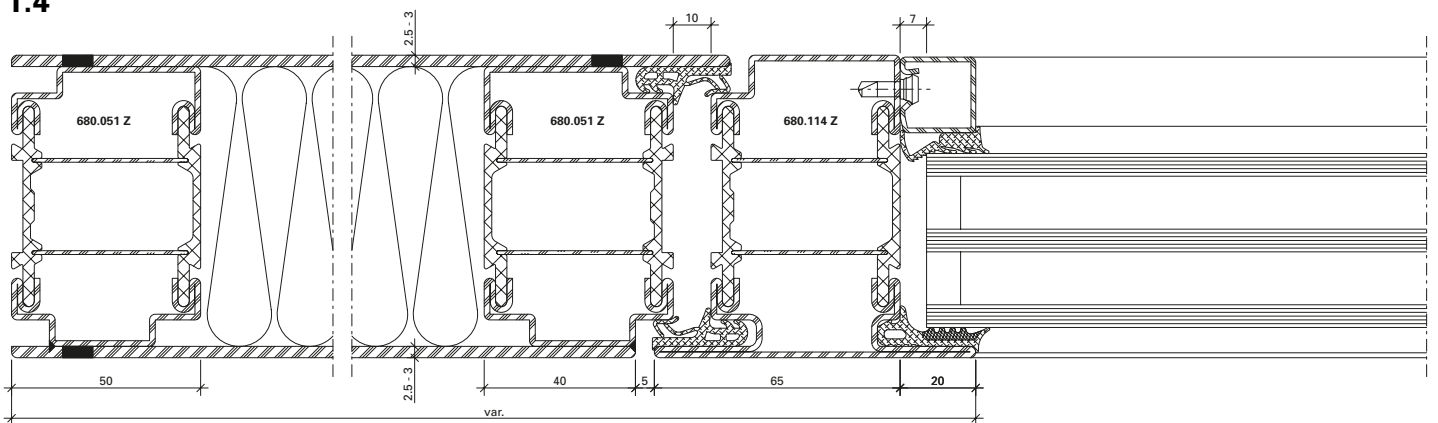
DXF **DWG** 12-0102-C-057

12.1



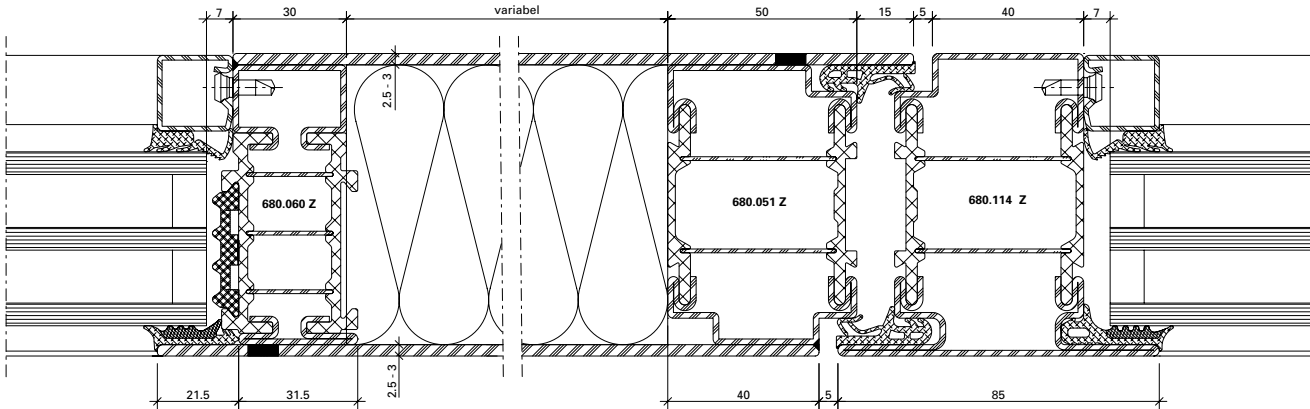
DXF **DWG** 12-0102-C-058

1.4



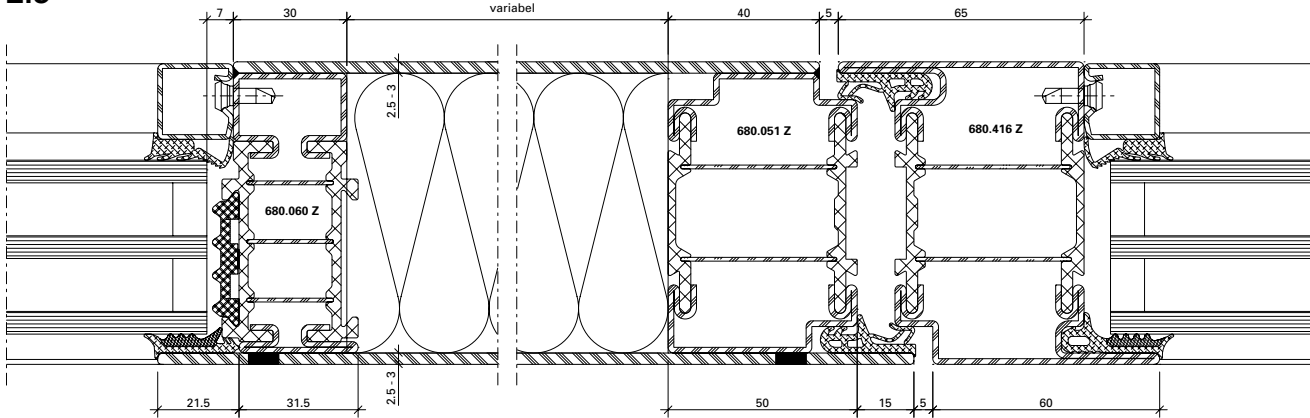
DXF **DWG** 12-0101-C-029

2.4



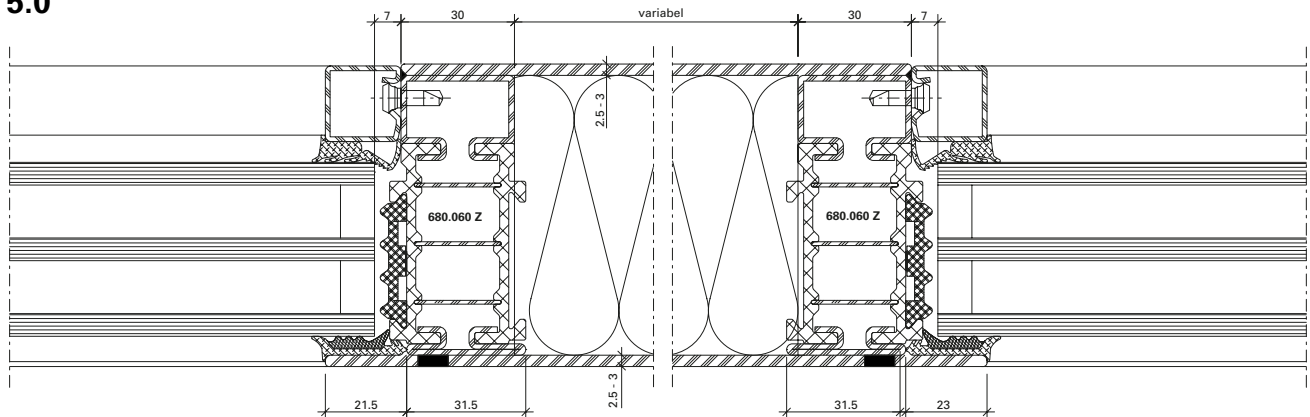
DXF DWG 12-0102-C-063

2.5



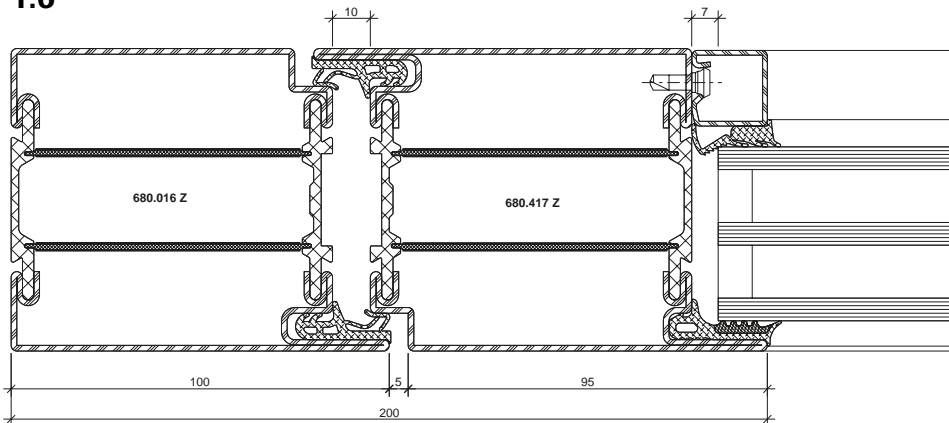
DXF DWG 12-0102-C-064

5.0



DXF DWG 12-0102-C-065

1.6

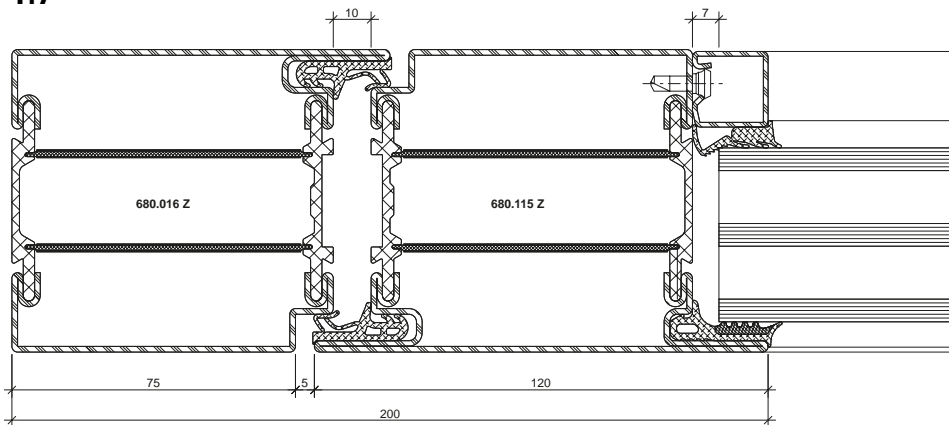


DXF

DWG

12-0101-C-043

1.7

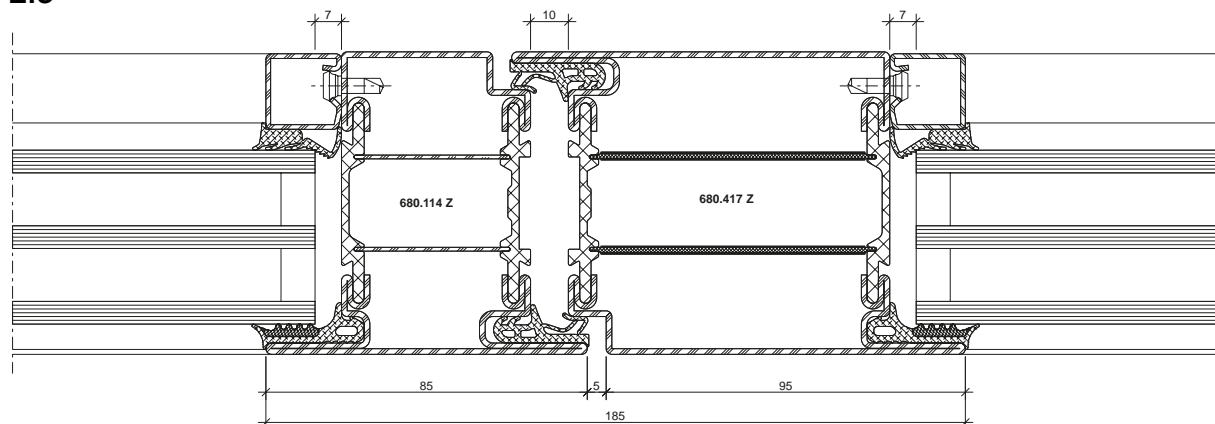


DXF

DWG

12-0101-C-044

2.6

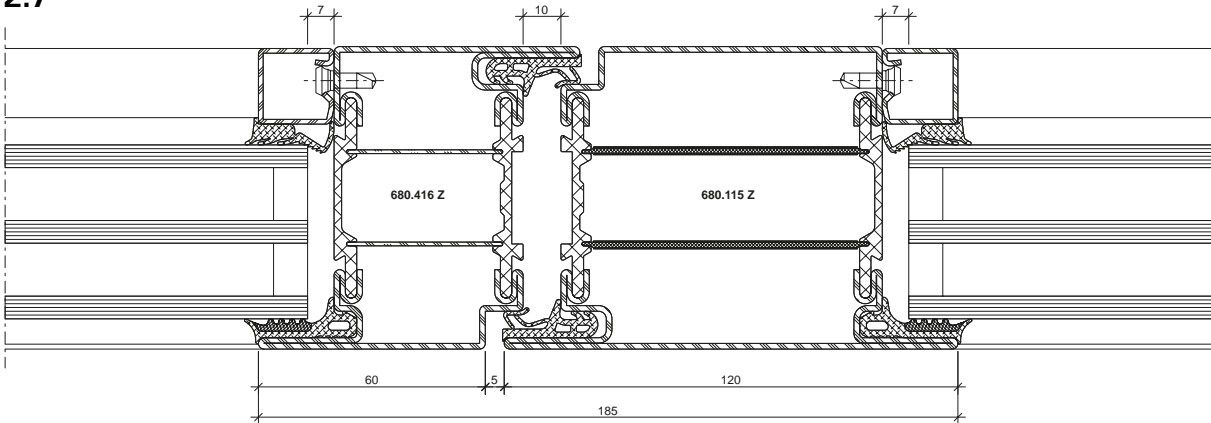


DXF

DWG

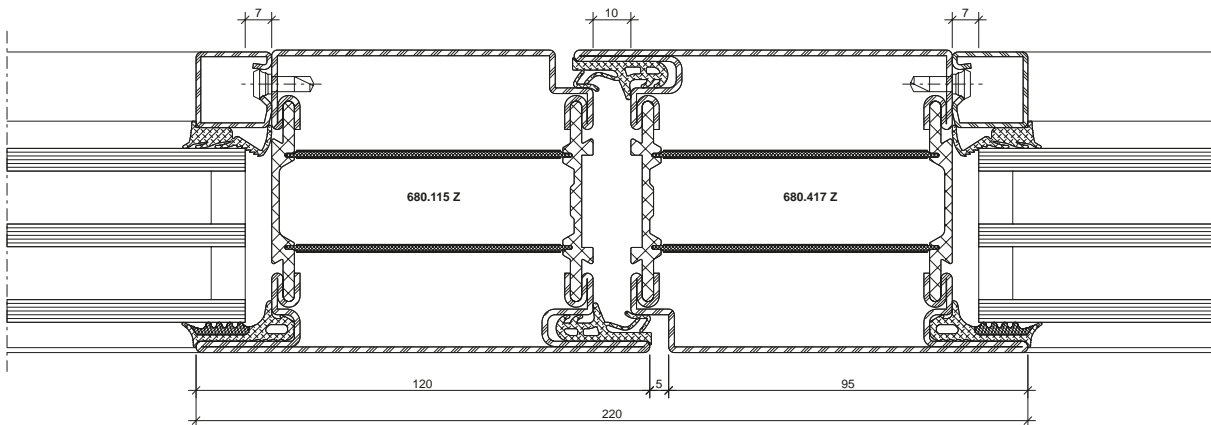
12-0101-C-045

2.7



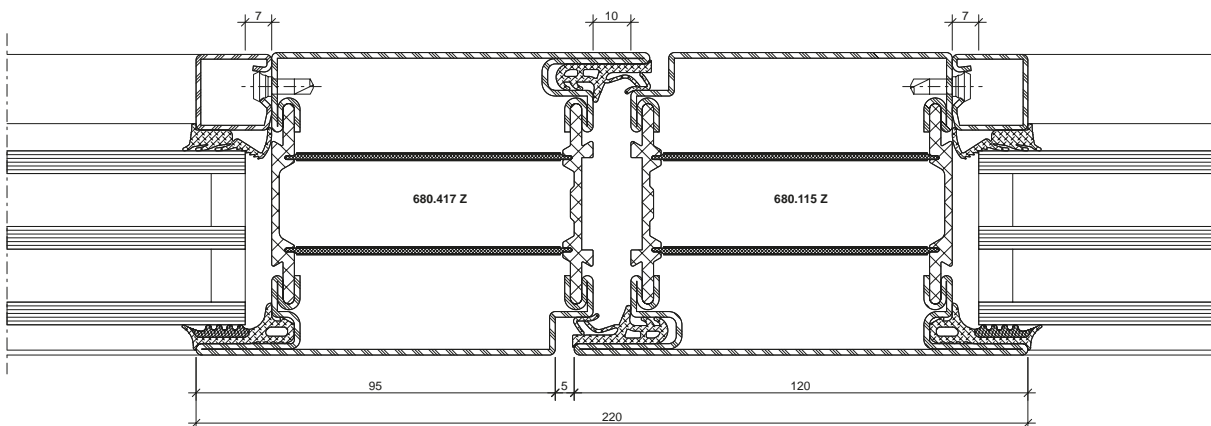
DXF DWG 12-0101-C-046

2.8



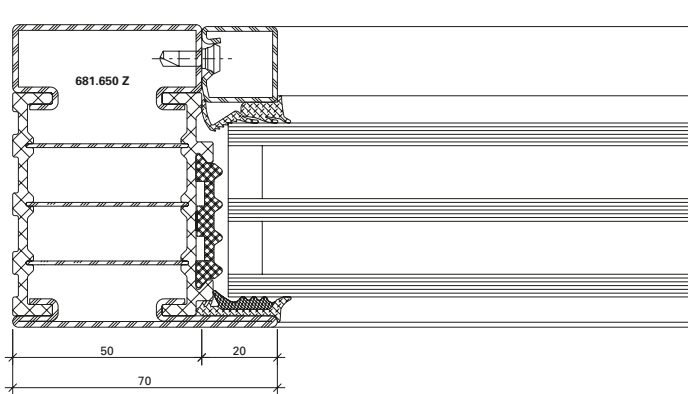
DXF DWG 12-0101-C-047

2.9



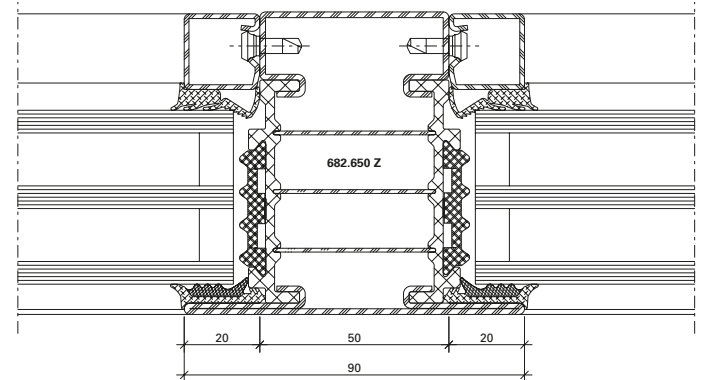
DXF DWG 12-0101-C-048

4.0



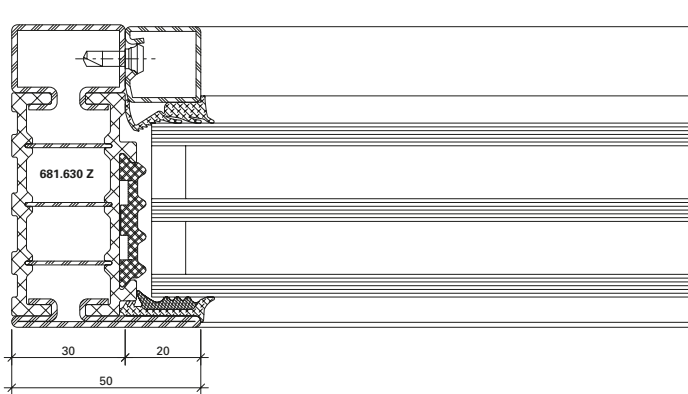
DXF **DWG** 12-0201-C-012

5.1



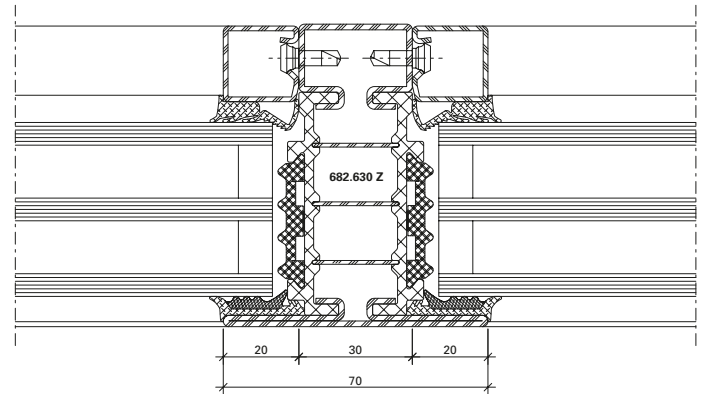
DXF **DWG** 12-0201-C-014

4.1



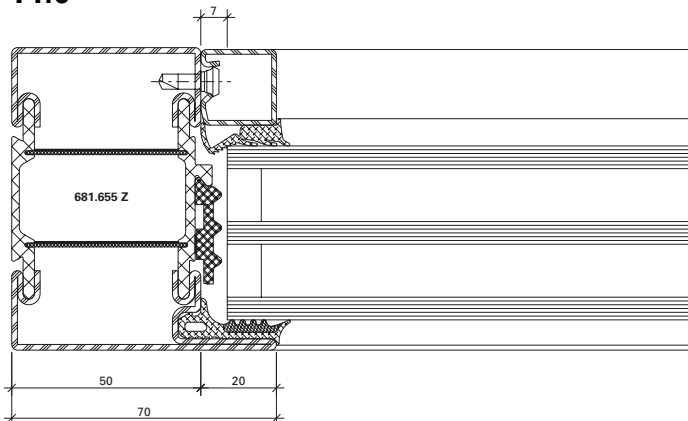
DXF **DWG** 12-0201-C-013

5.2



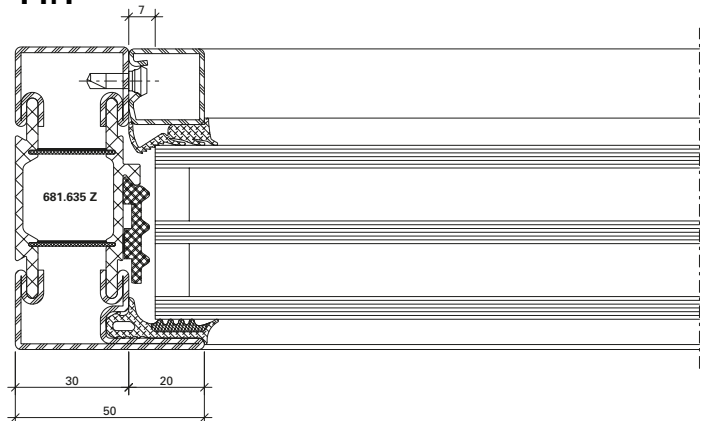
DXF **DWG** 12-0201-C-015

14.0

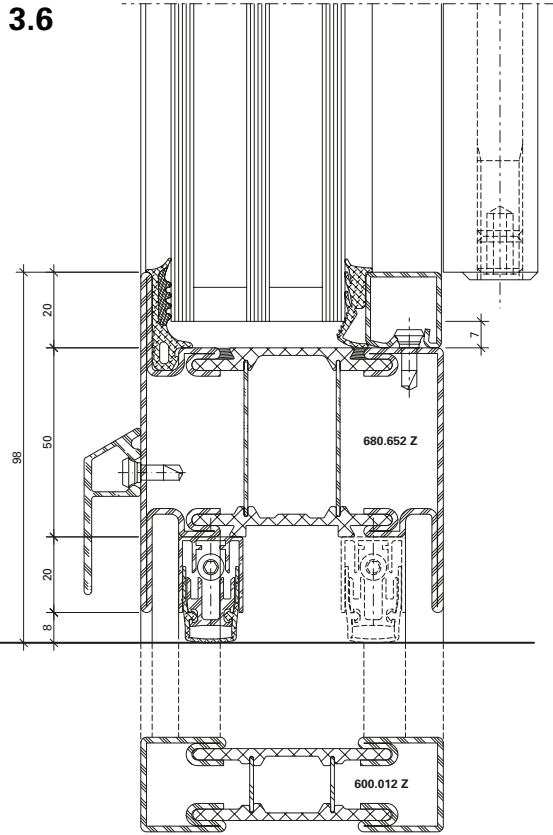


DXF **DWG** 12-0204-C-003

14.1



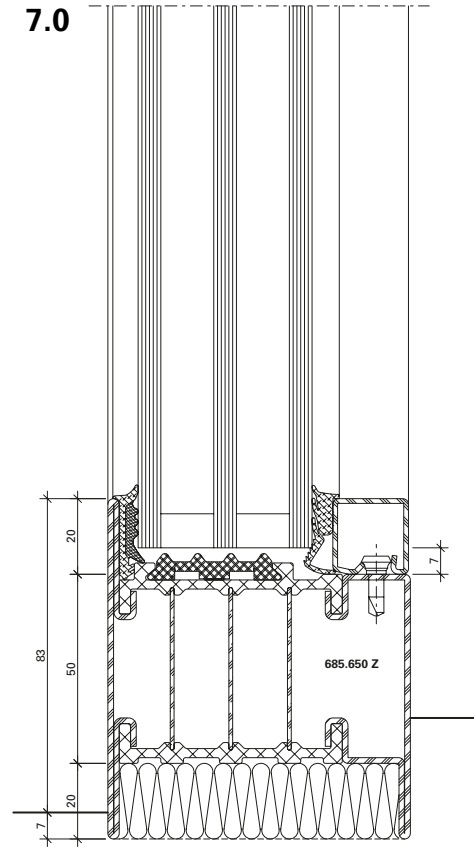
DXF **DWG** 12-0204-C-004



12-0101-C-040

DWG

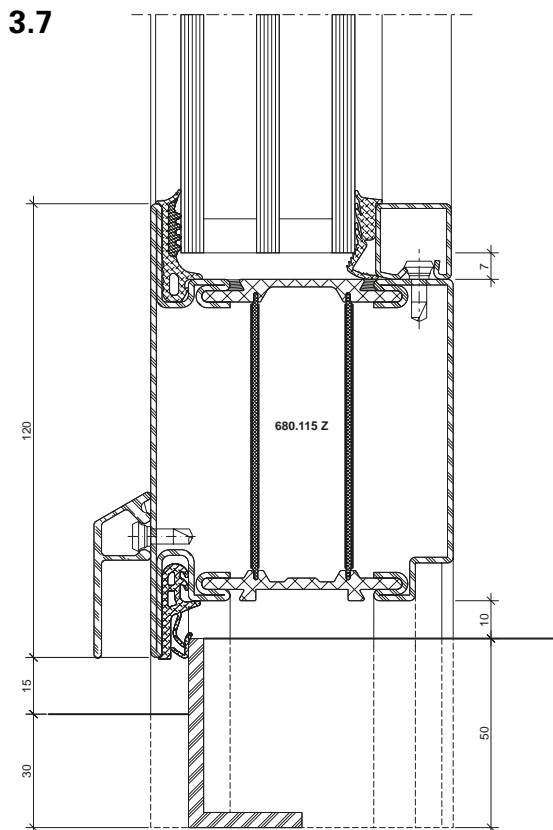
DXF



12-0101-C-012

DWG

DXF

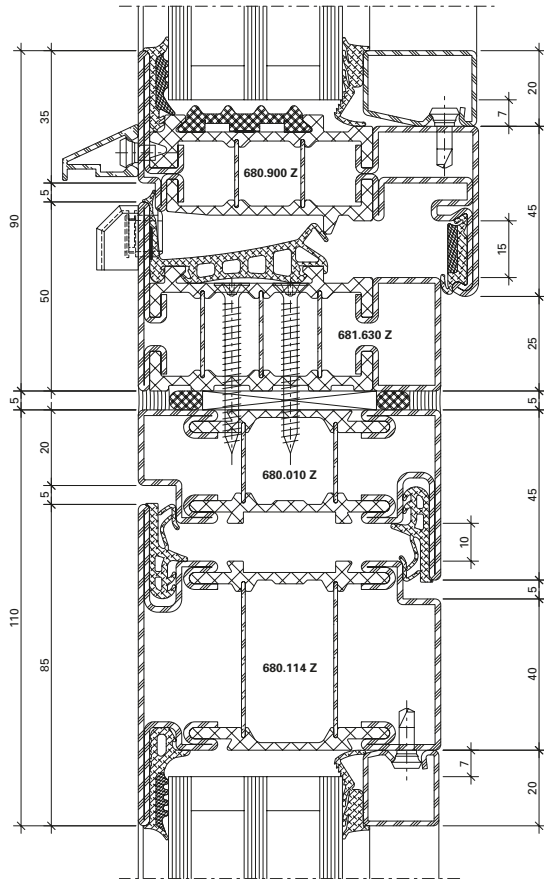


12-0101-C-049

DWG

DXF

8.0

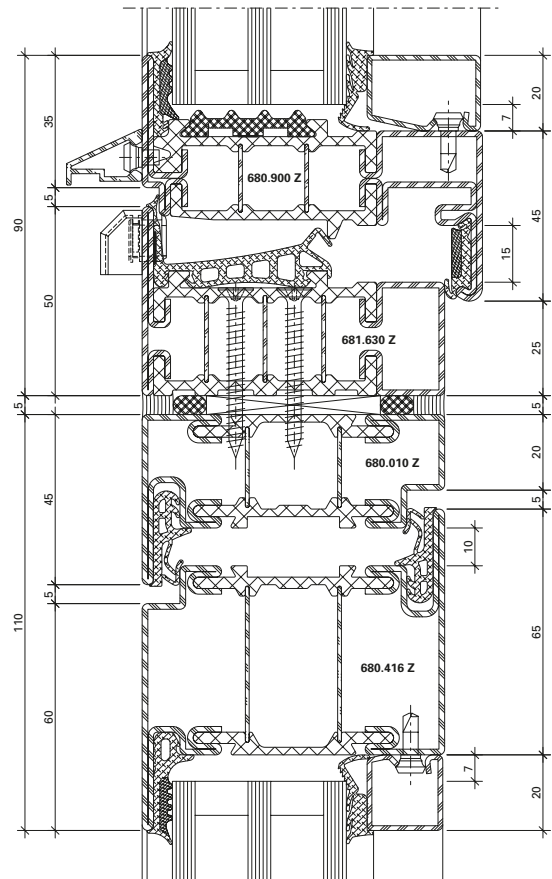


DWG 12-0101-C-035

DWG

DXF

8.1

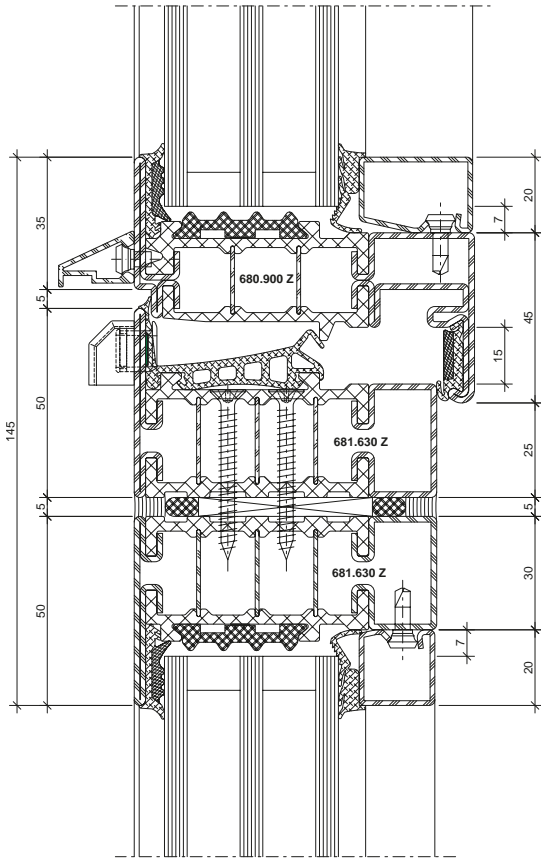


DWG 12-0101-C-036

DWG

DXF

9.0

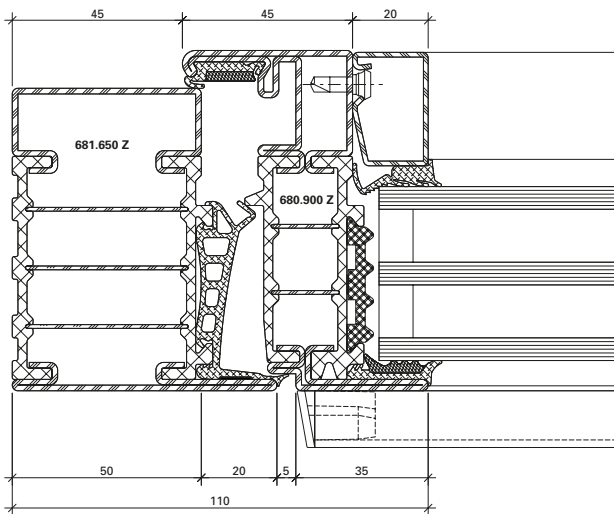


12-0101-C-041

DWG

DXF

6.0

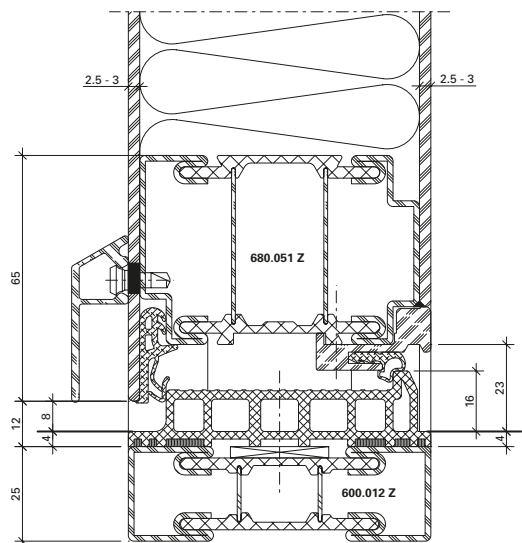


DXF

DWG

12-0201-C-001

13.0

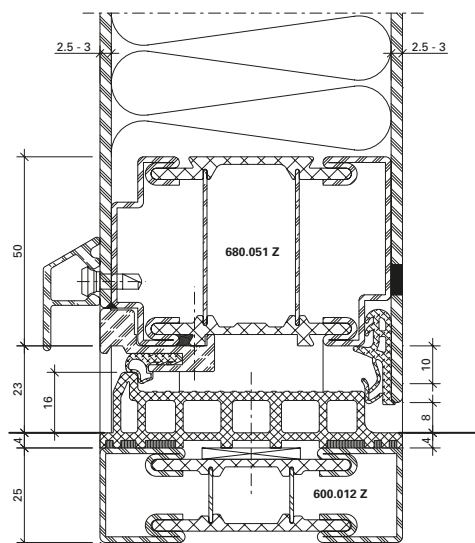


12-0102-C-067

DWG

DXF

13.1

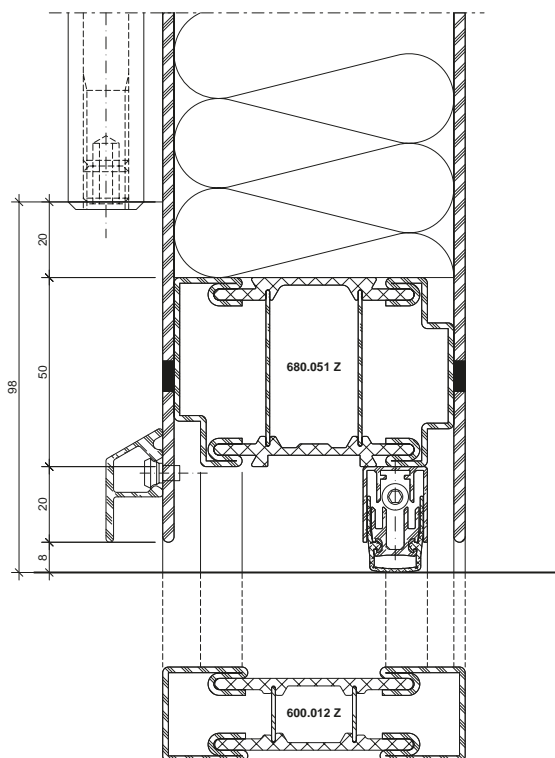


12-0102-C-066

DWG

DXF

13.2



12-0102-C-023

DWG

DXF

Glasleisten-Varianten im Massstab 1:2

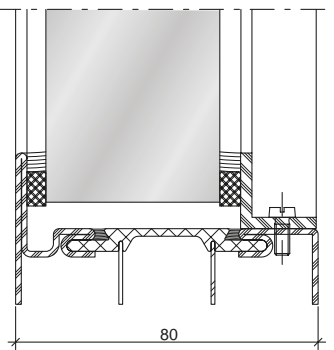
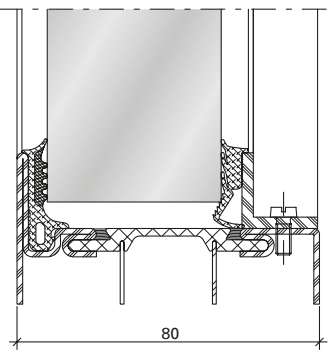
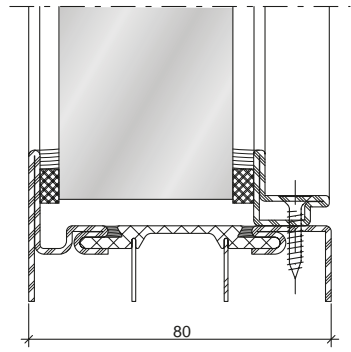
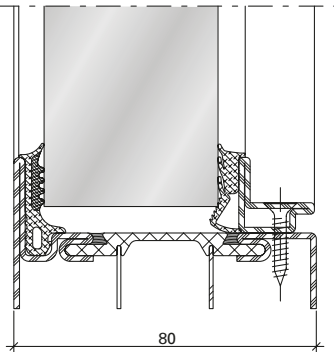
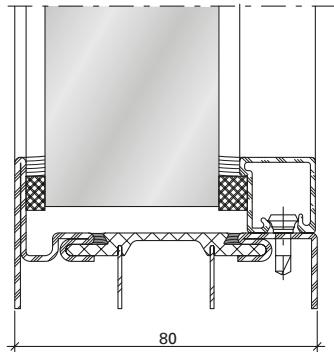
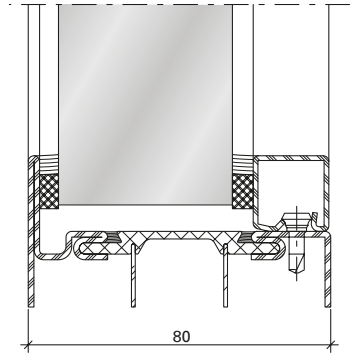
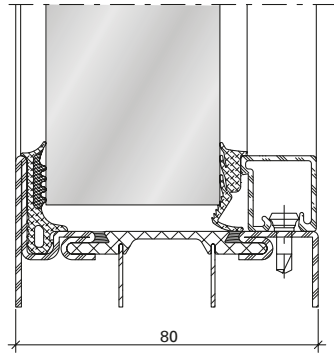
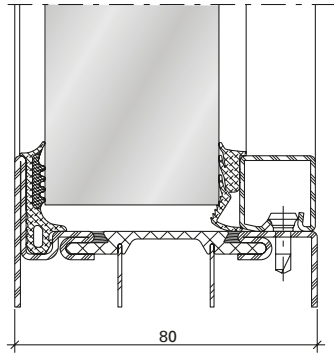
Variantes de parcloses à l'échelle 1:2

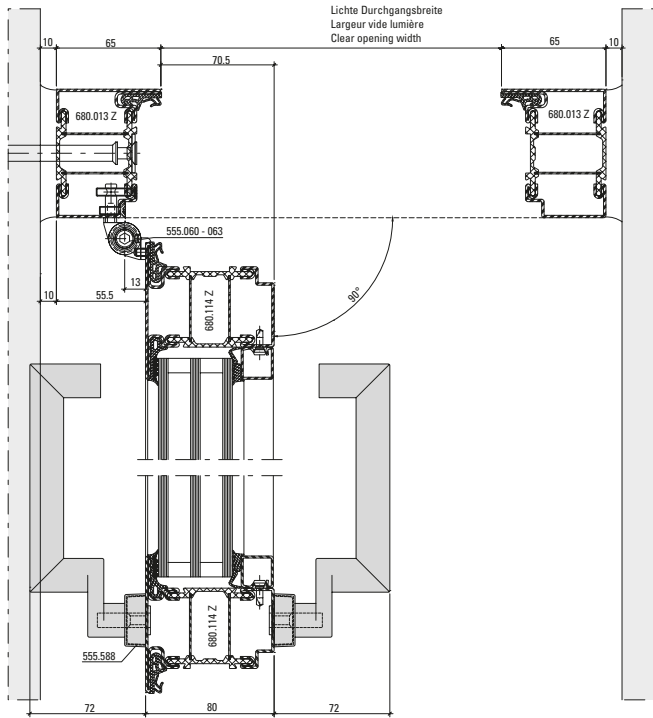
Glazing bead options on scale 1:2

Janisol HI Türen

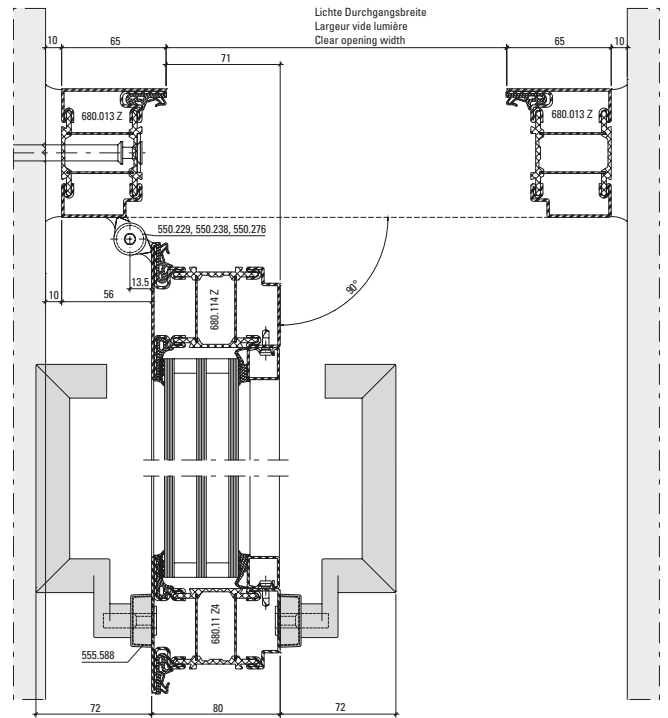
Janisol HI portes

Janisol HI doors

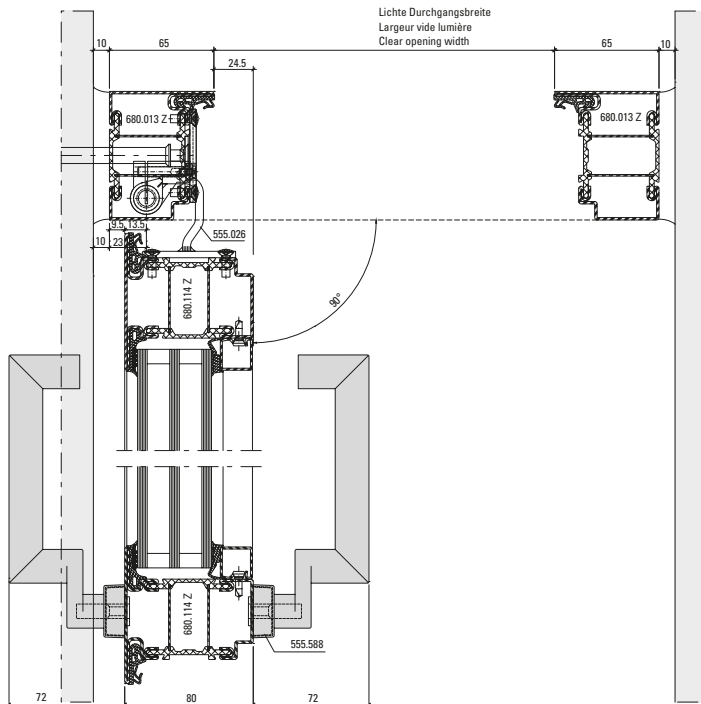




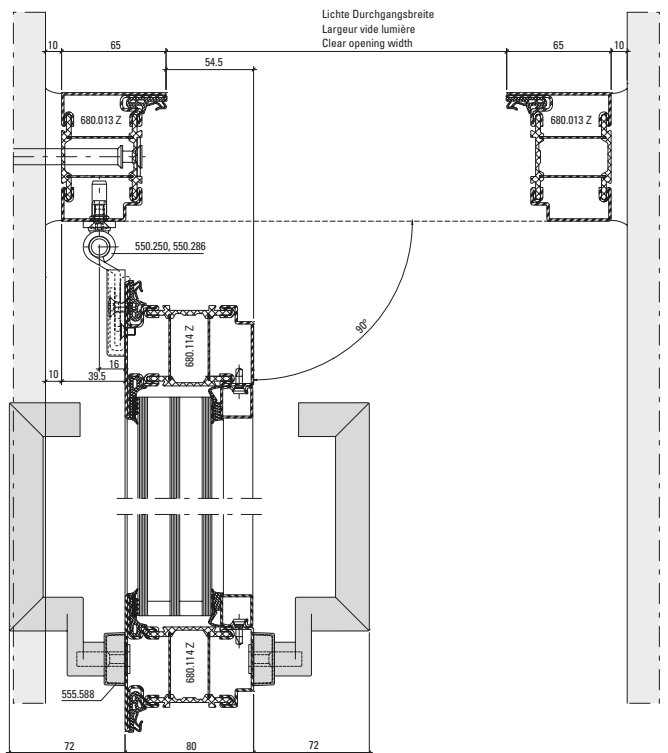
DXF DWG 12-0101-E-043



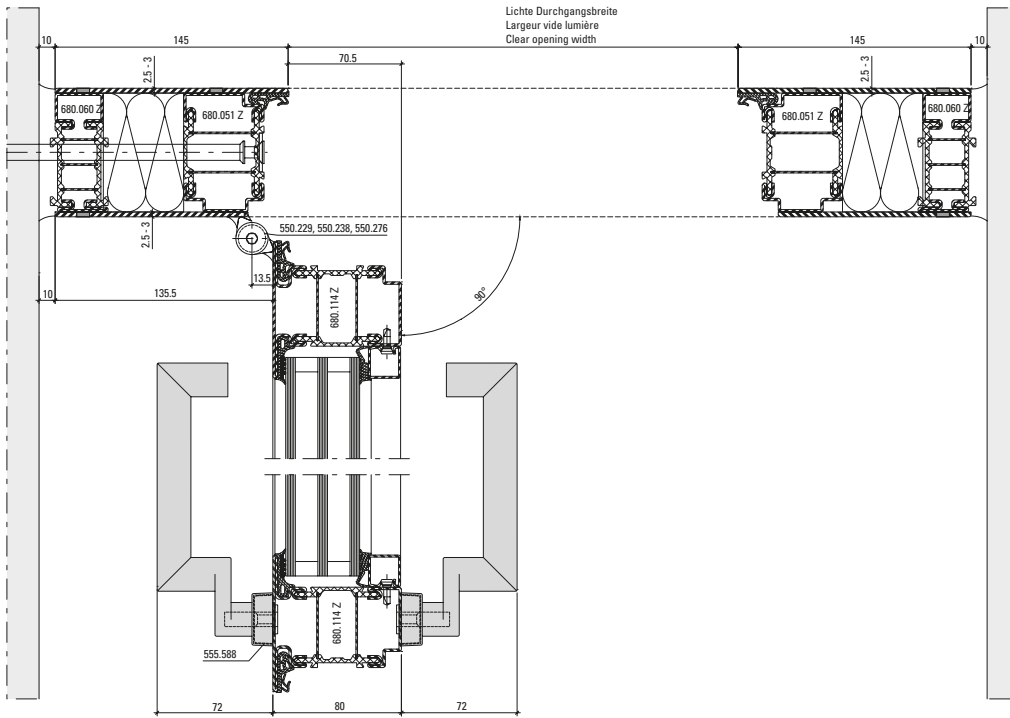
DXF DWG 12-0101-E-044



DXF DWG 12-0101-E-045



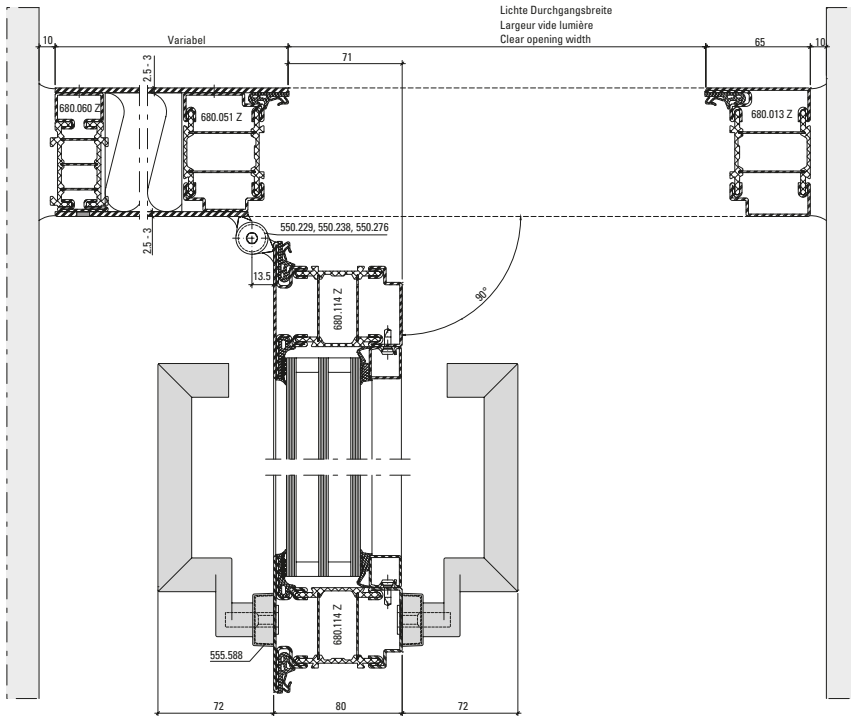
DXF DWG 12-0101-E-046



DXF

DWG

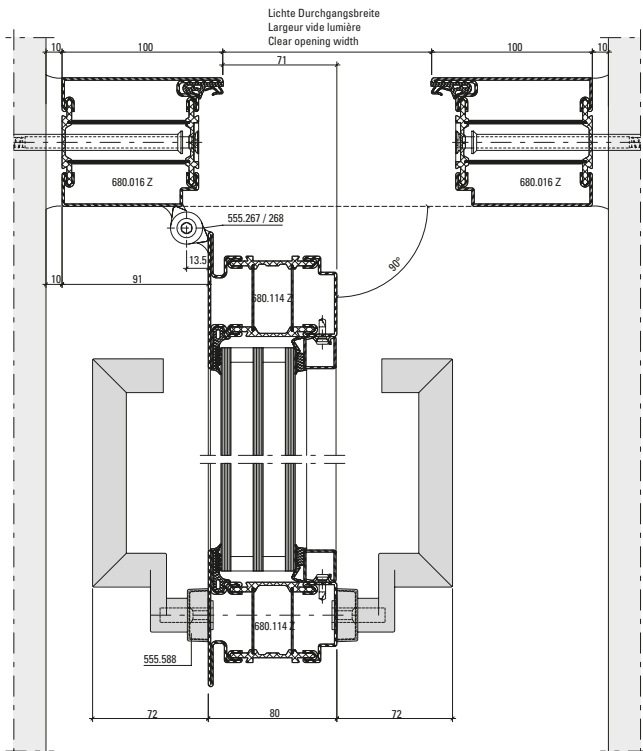
12-0101-E-047



DXF

DWG

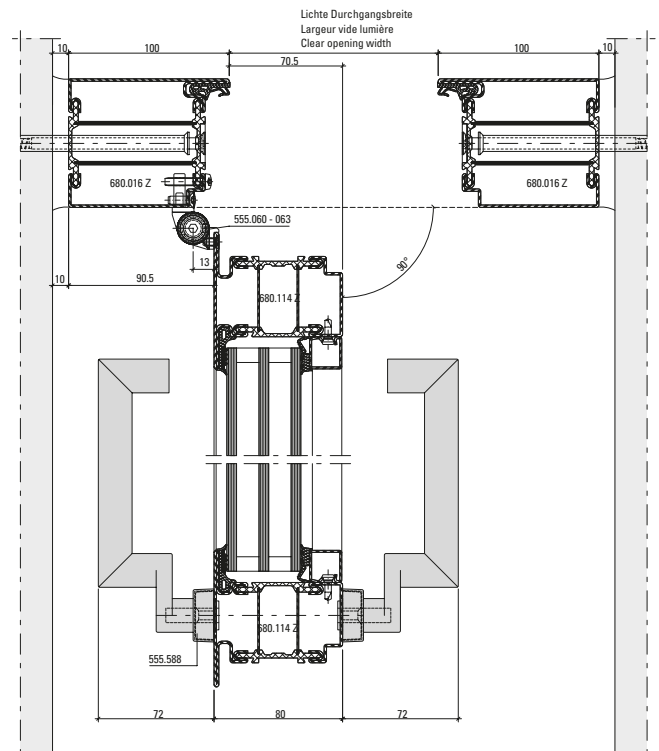
12-0101-E-048



DXF

DWG

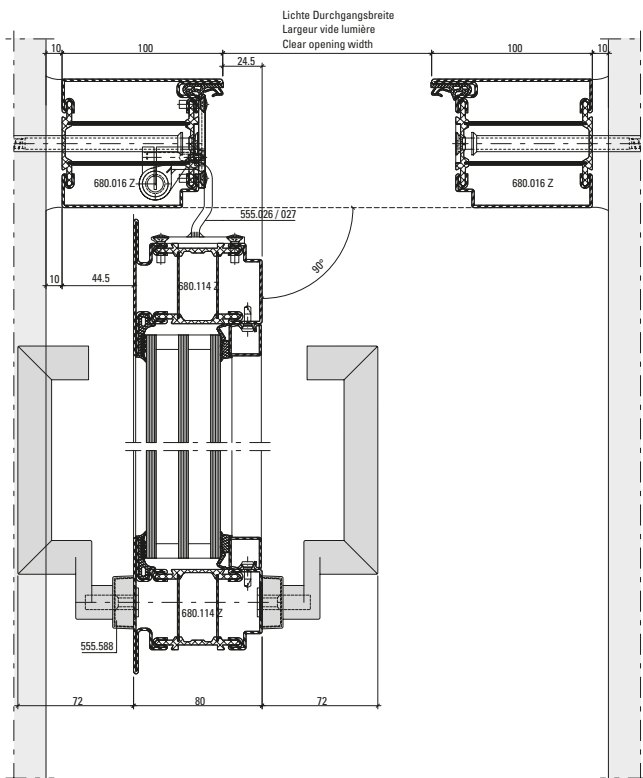
12-0101-E-063



DXF

DWG

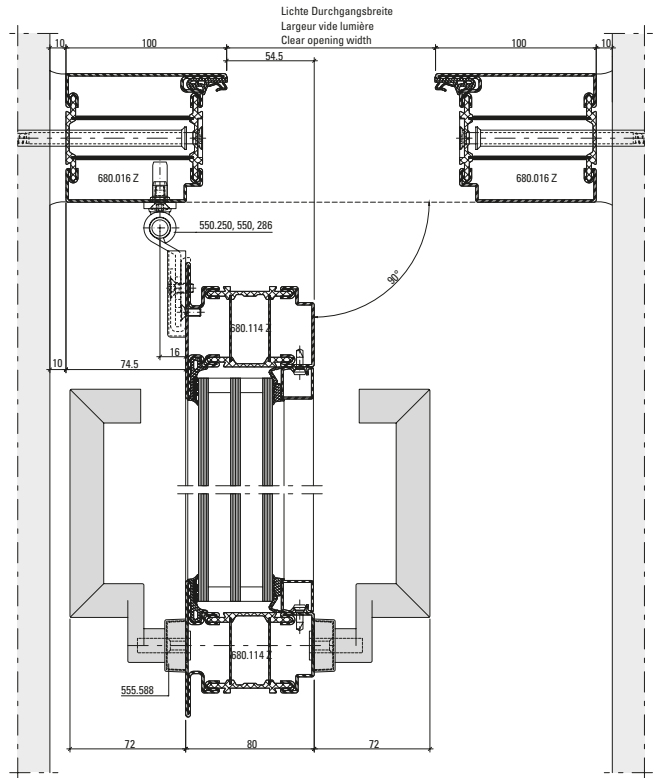
12-0101-E-064



DXF

DWG

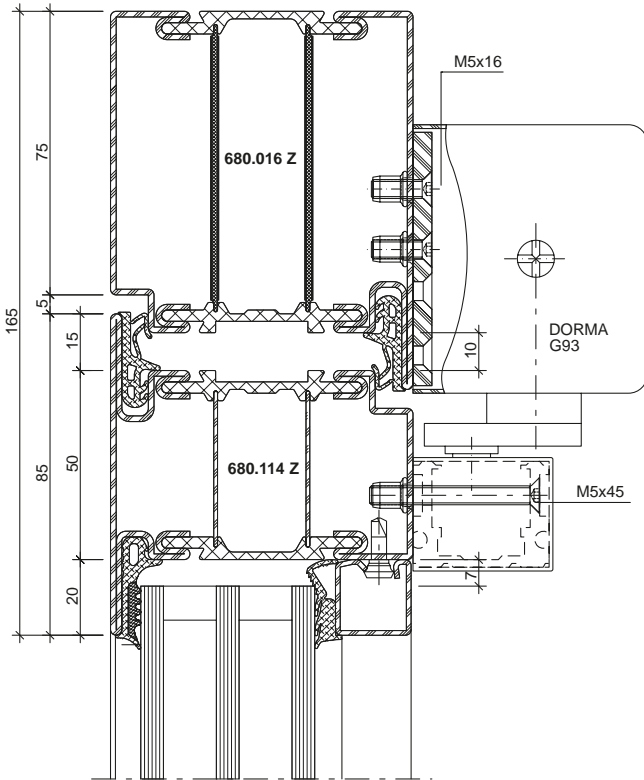
12-0101-E-065



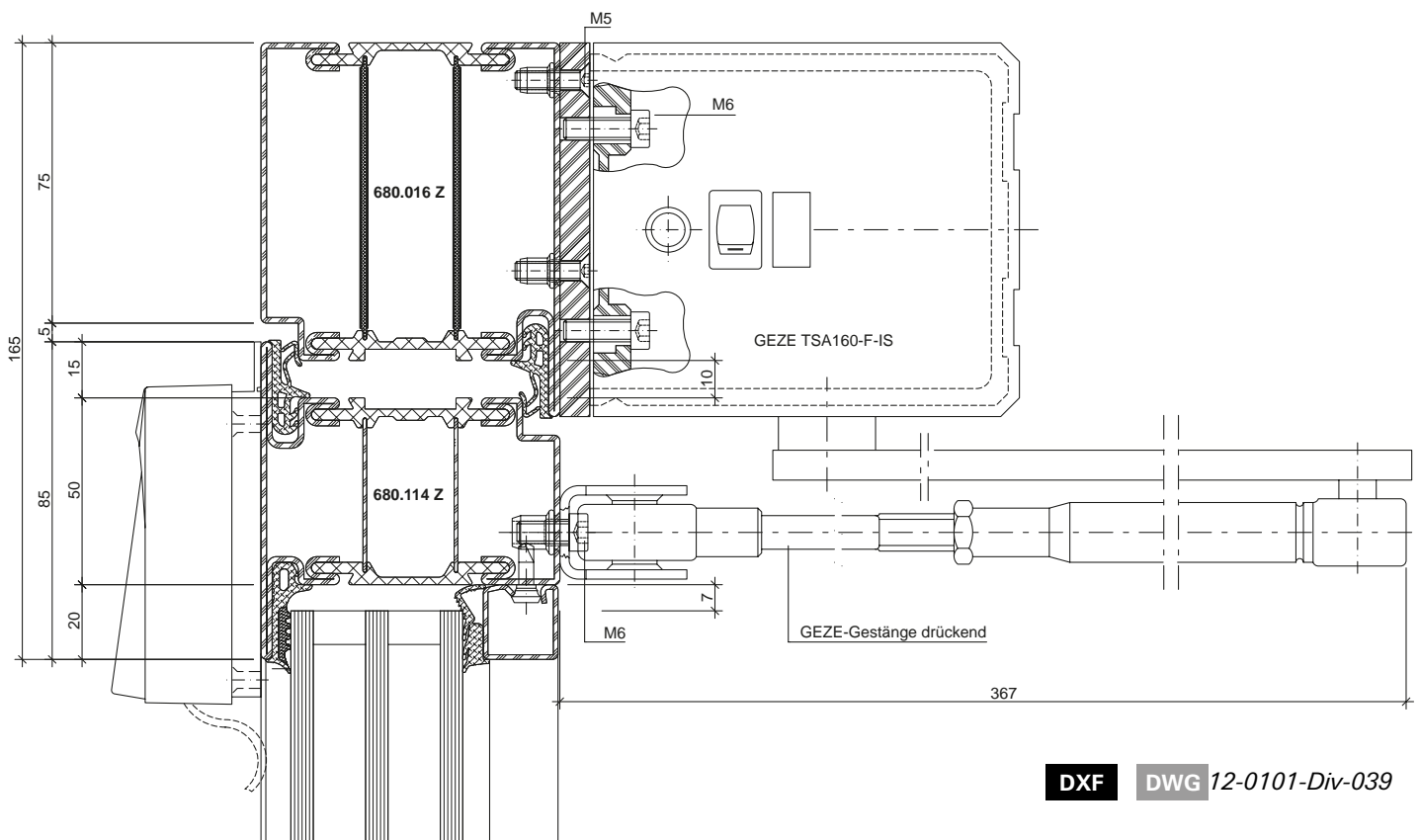
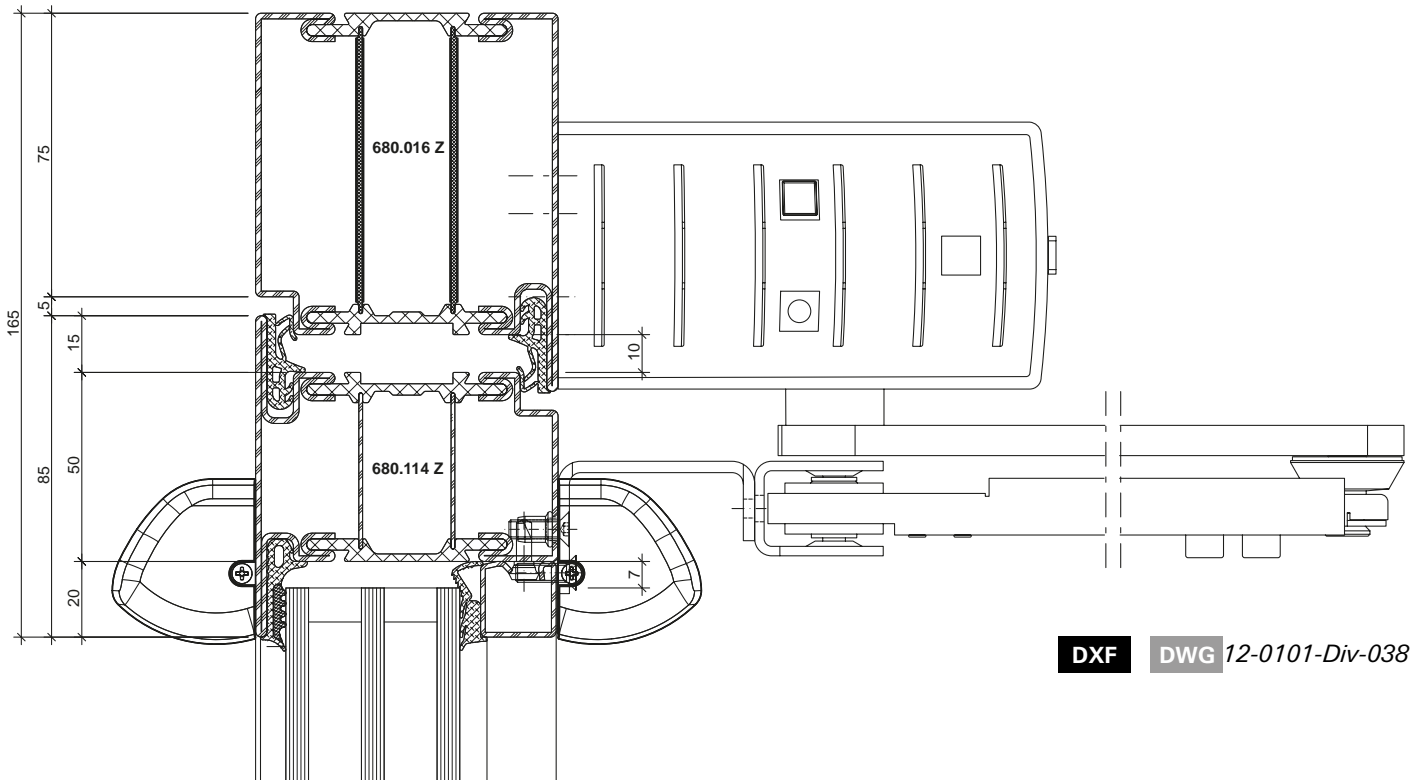
DXF

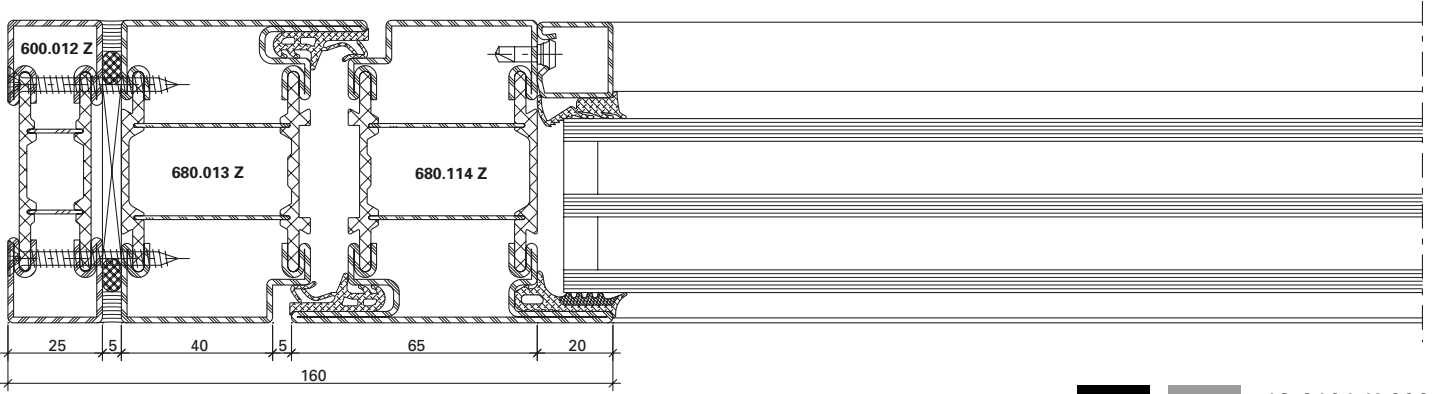
DWG

12-0101-E-066

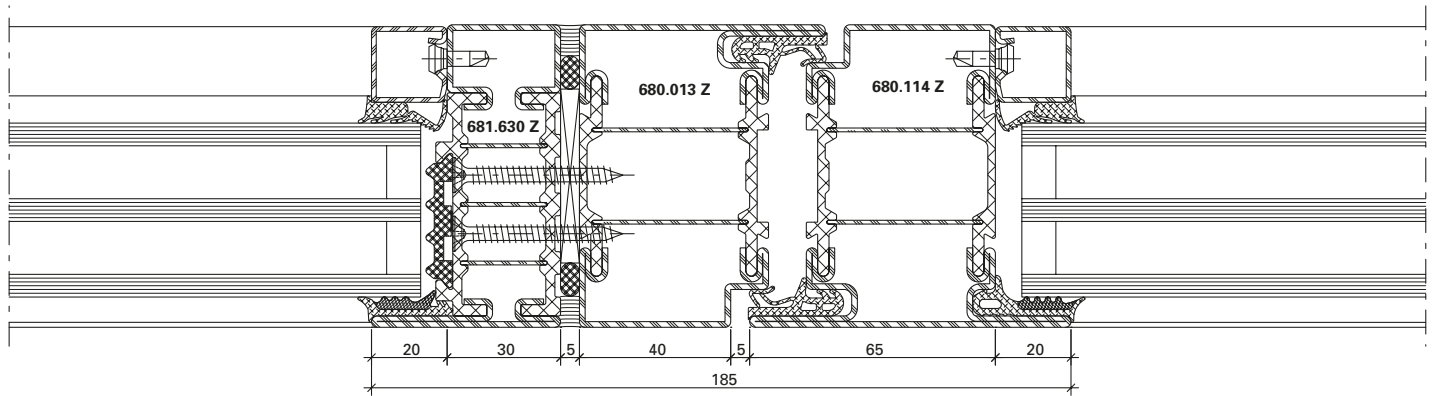


DXF DWG 12-0101-Div-037

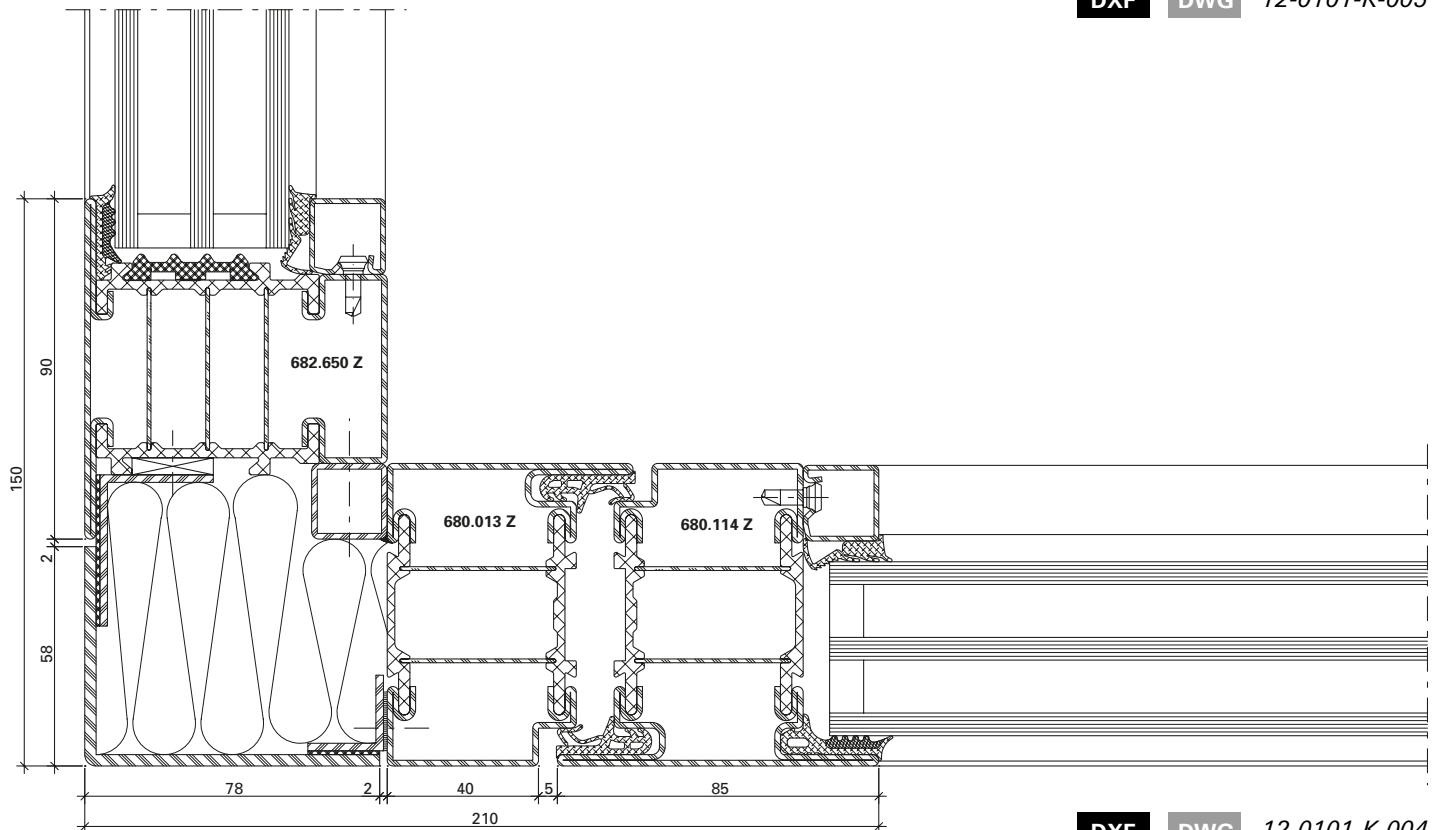




DXF **DWG** 12-0101-K-006



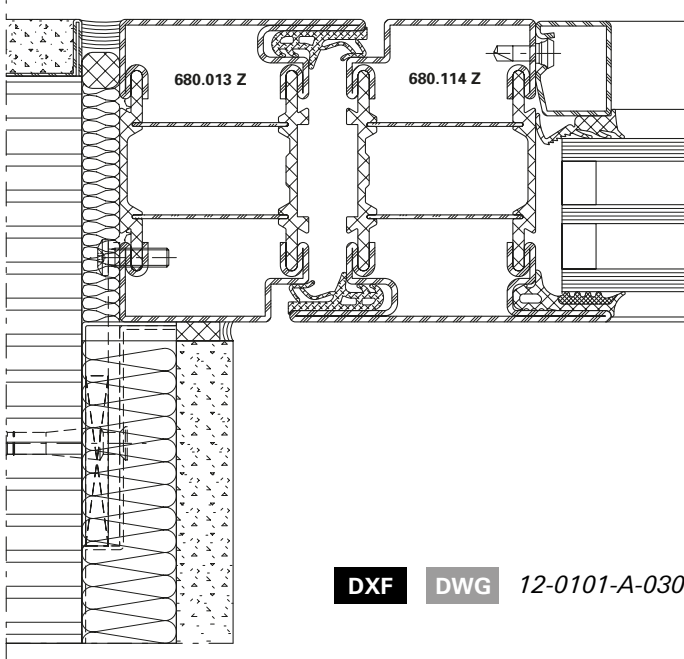
DXF **DWG** 12-0101-K-005



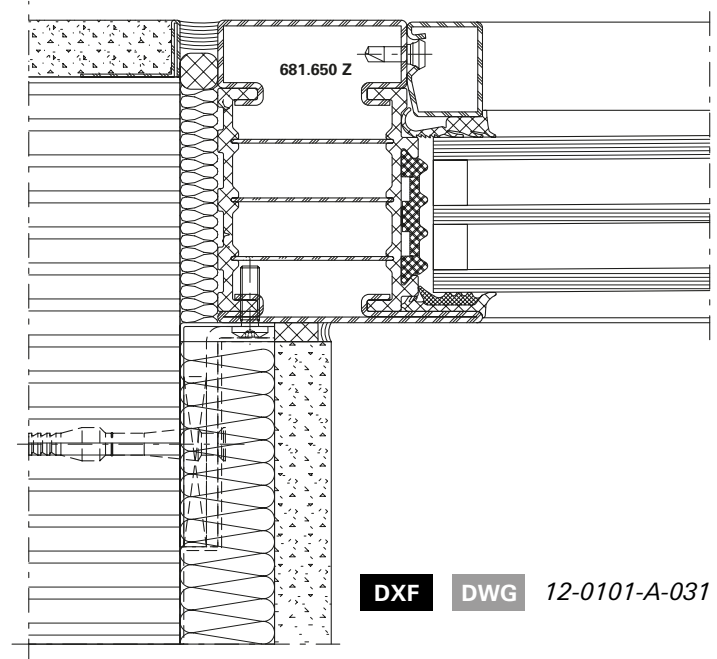
DXF **DWG** 12-0101-K-004

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

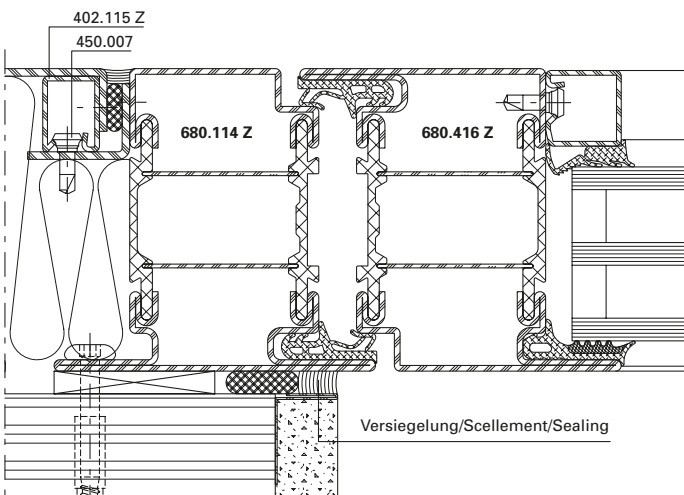
Janisol HI Türen
Janisol HI portes
Janisol HI doors



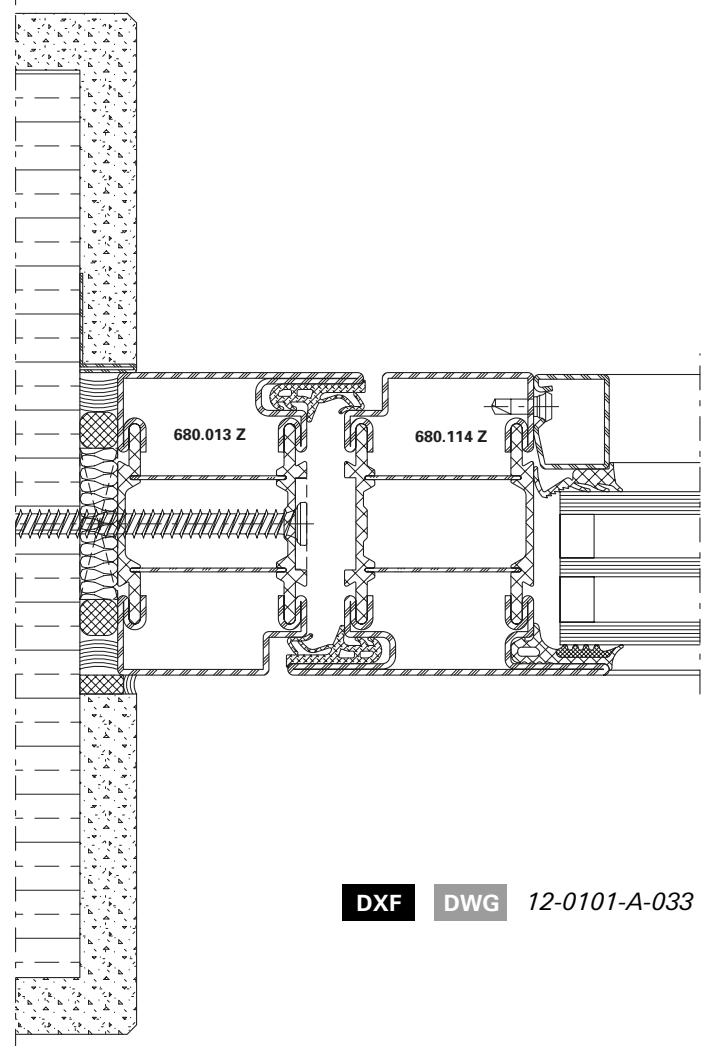
DXF **DWG** 12-0101-A-030



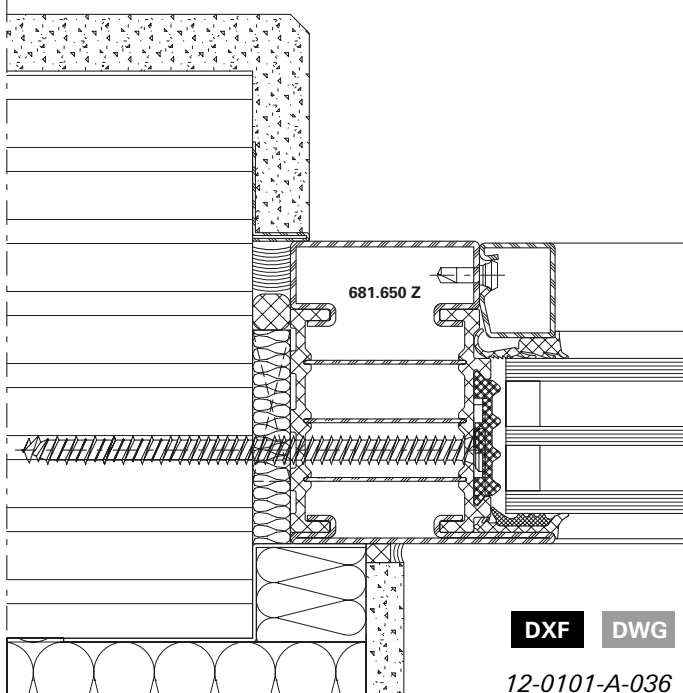
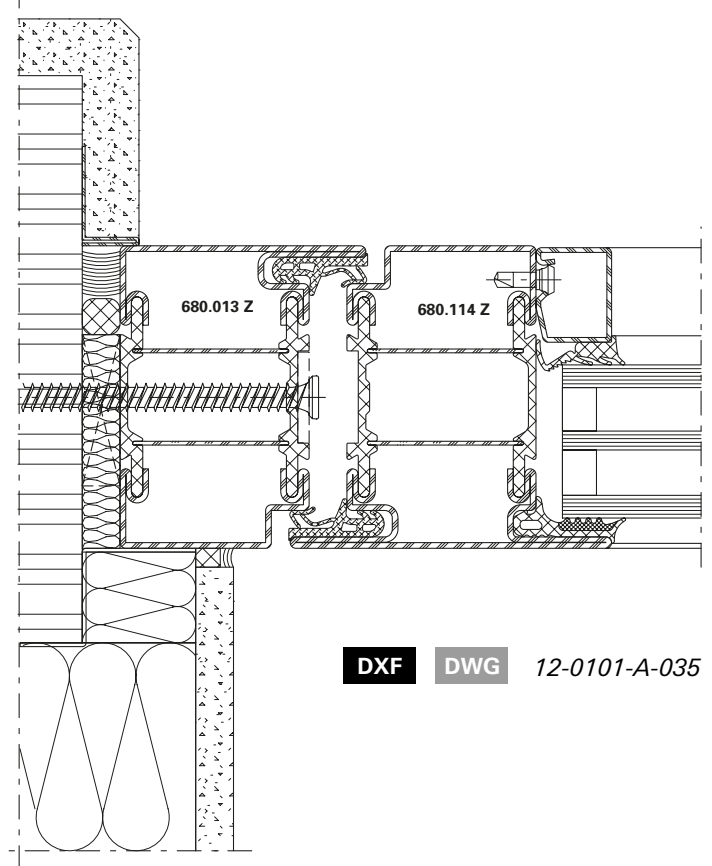
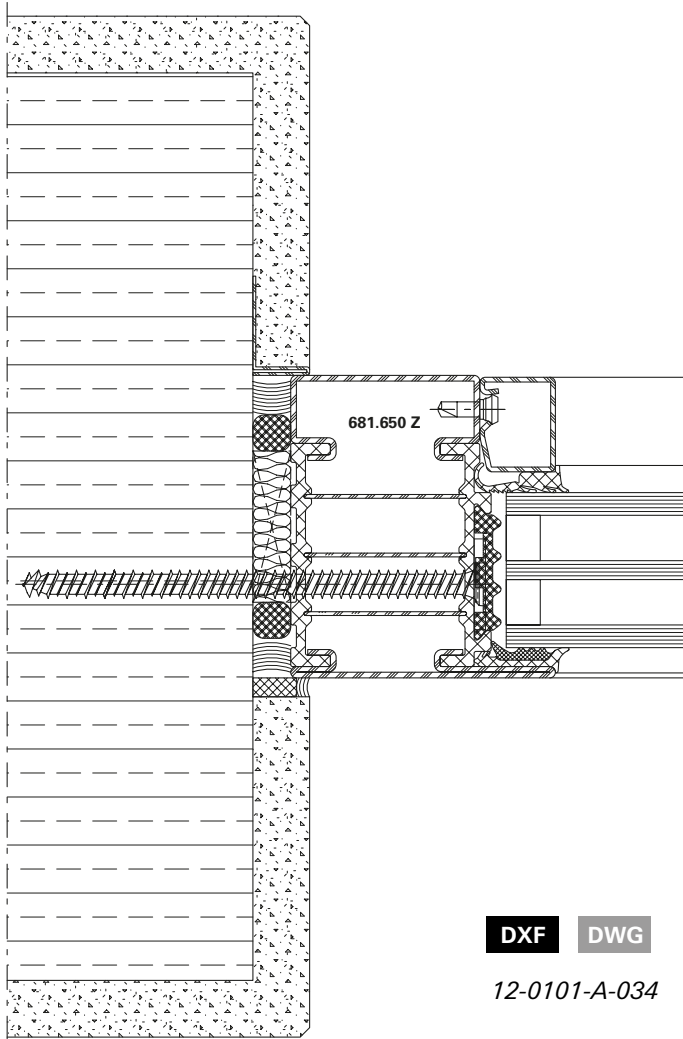
DXF **DWG** 12-0101-A-031



DXF **DWG** 12-0101-A-032

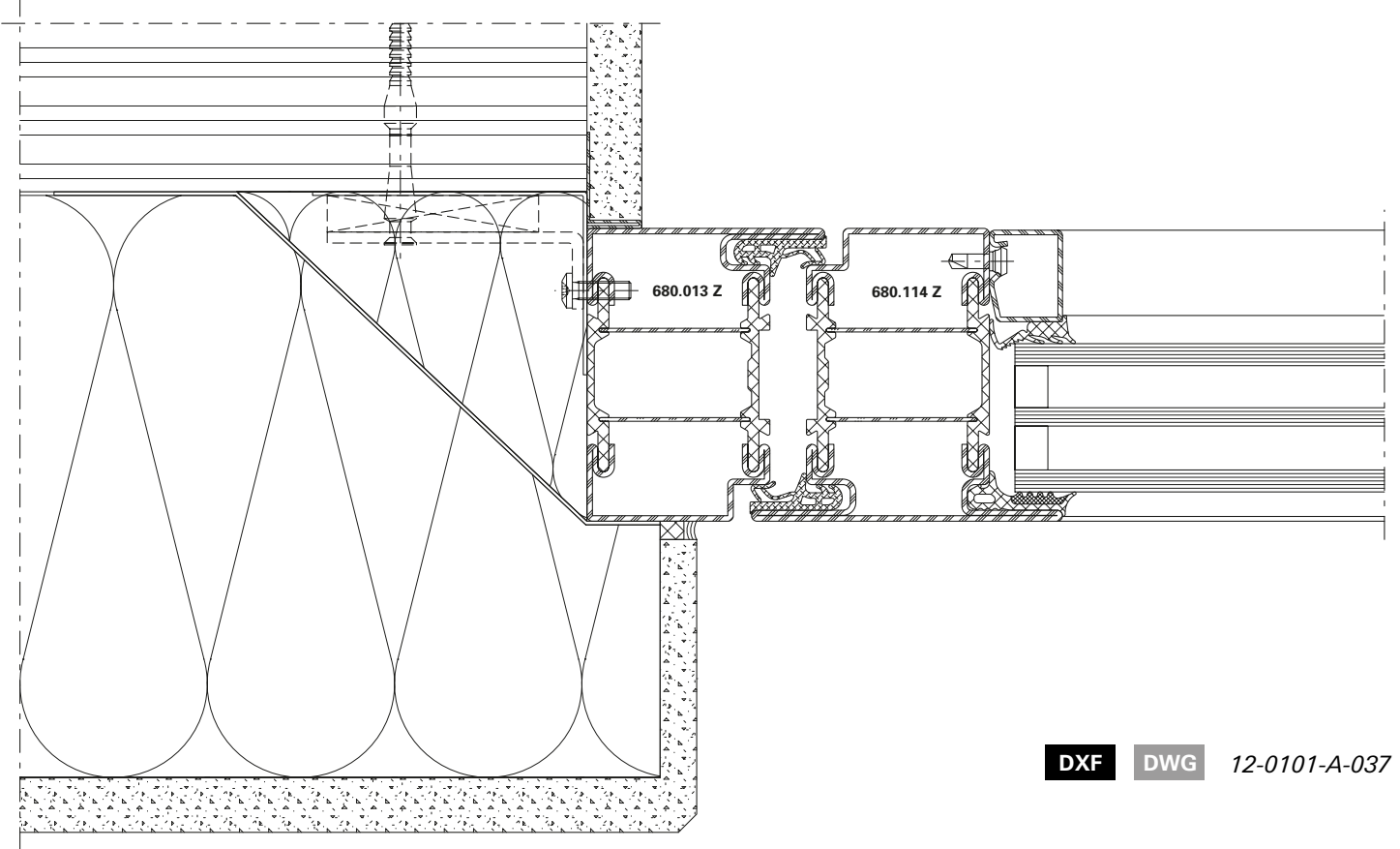


DXF **DWG** 12-0101-A-033

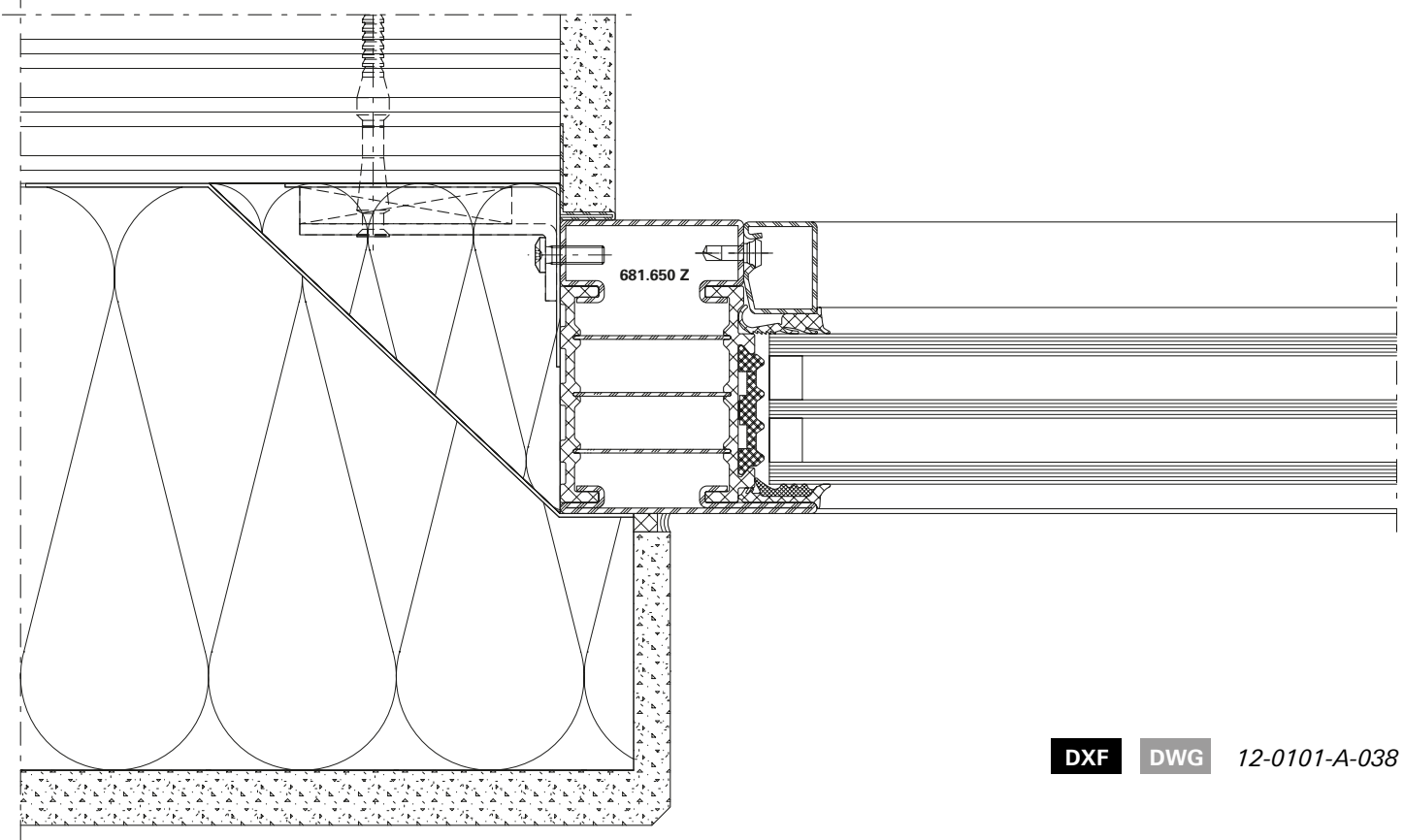


Anschlüsse am Bau im Masstab 1:2
Raccords au mur à l'échelle 1:2
Attachment to structure on scale 1:2

Janisol HI Türen
Janisol HI portes
Janisol HI doors



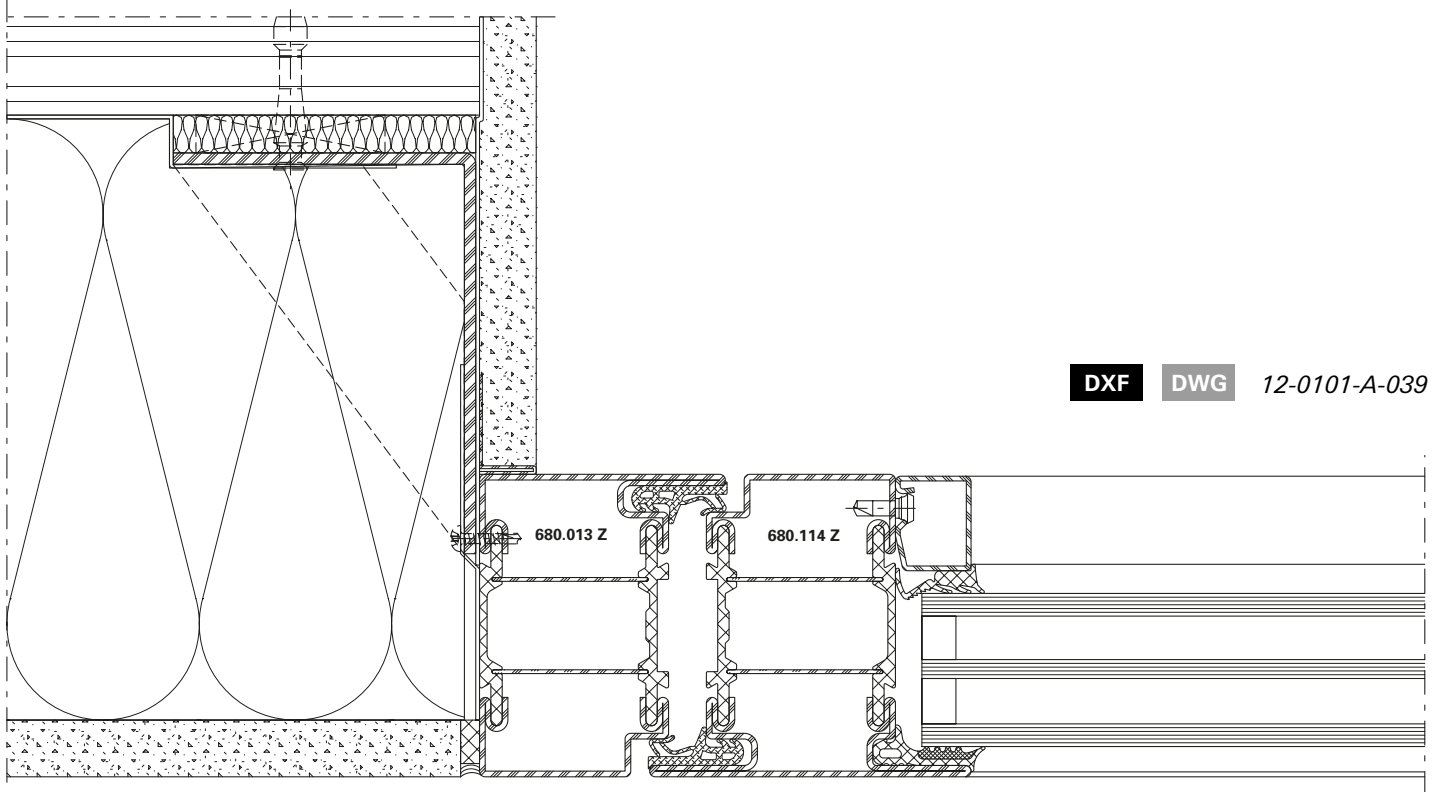
DXF **DWG** 12-0101-A-037



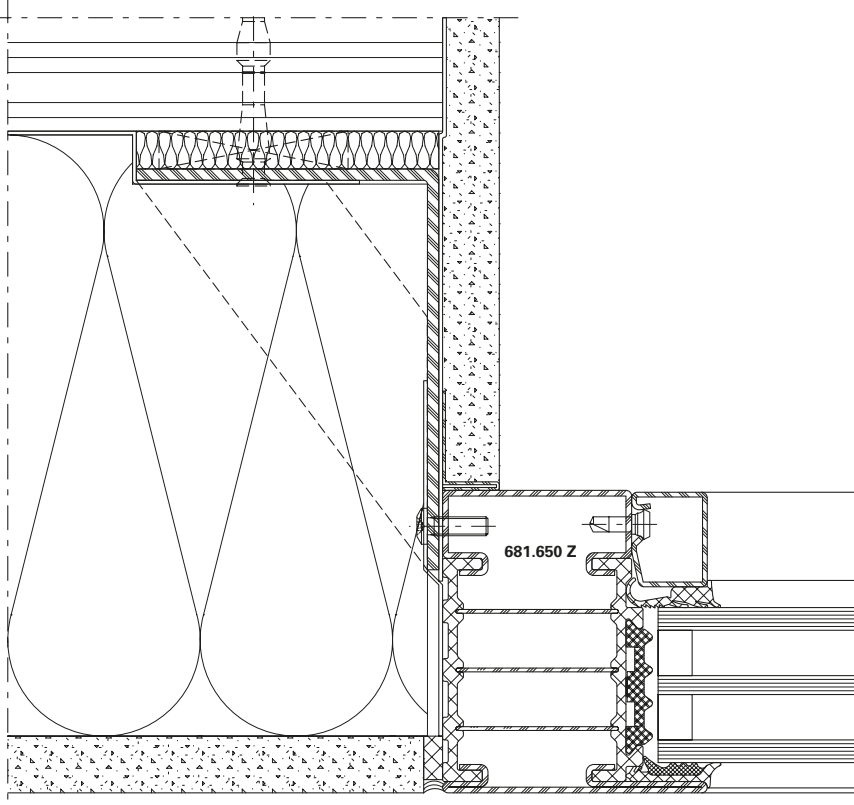
DXF **DWG** 12-0101-A-038

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors



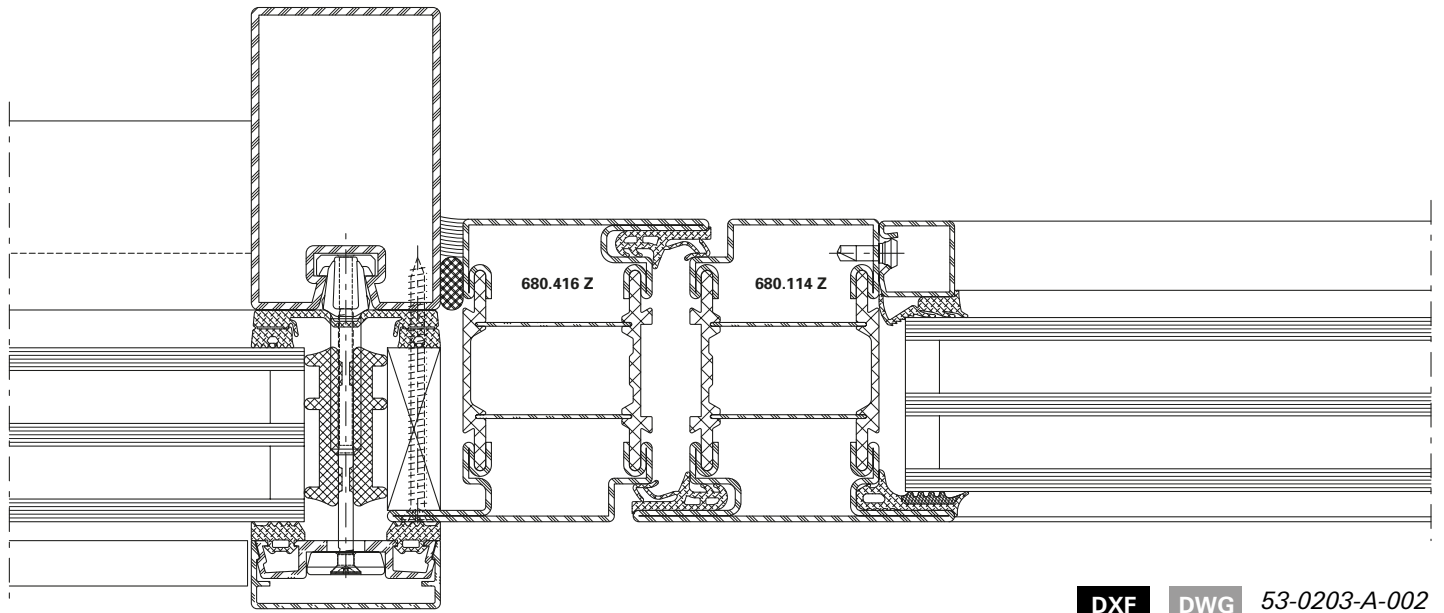
DXF DWG 12-0101-A-039



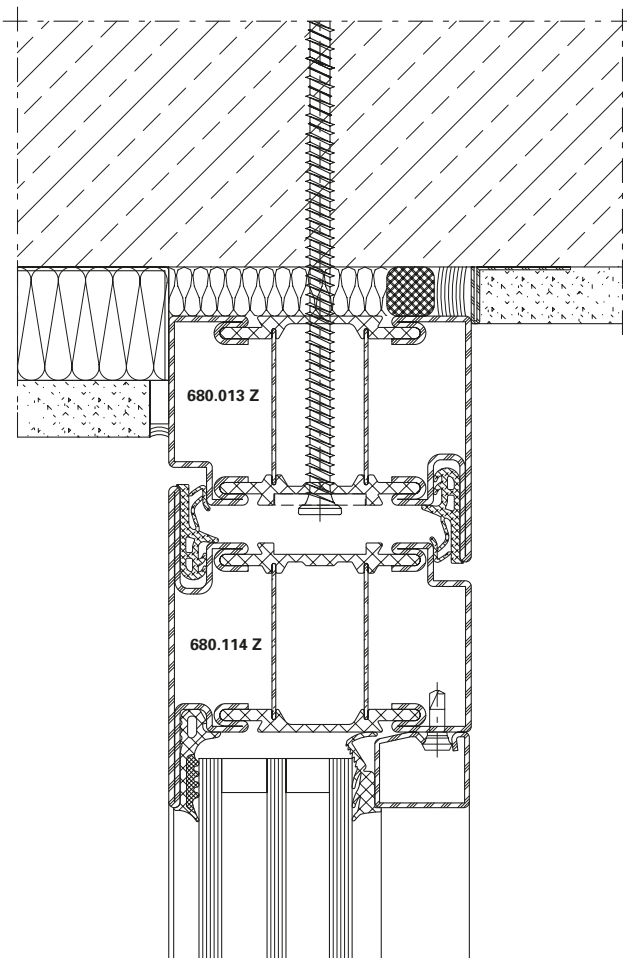
DXF DWG 12-0101-A-040

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

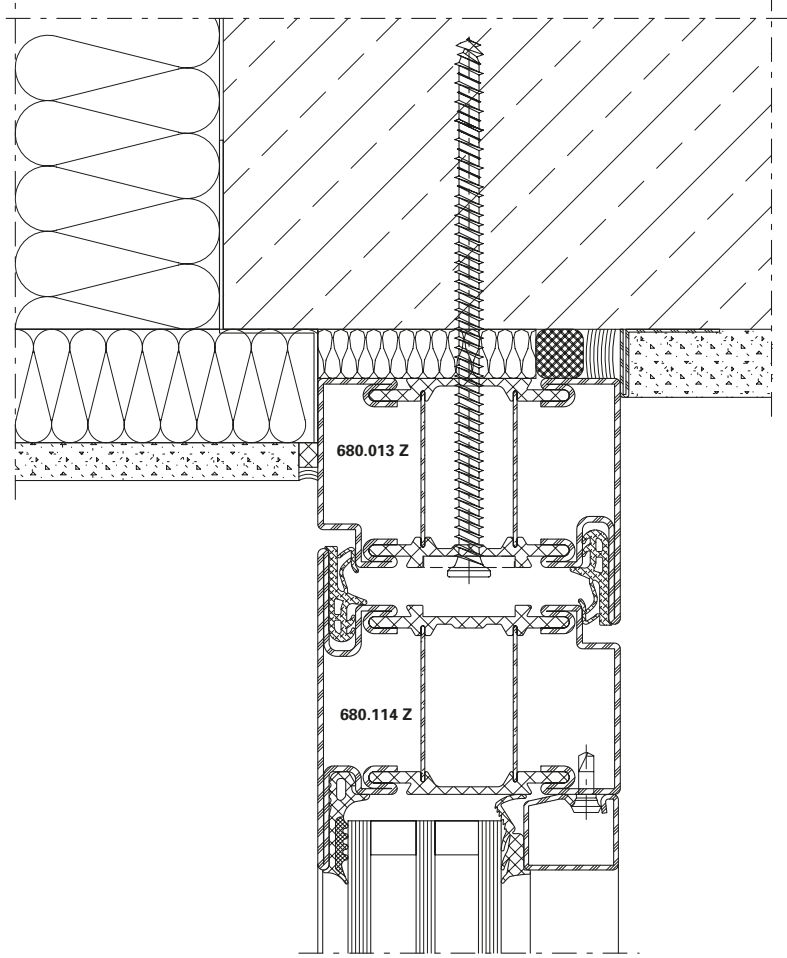
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 53-0203-A-002



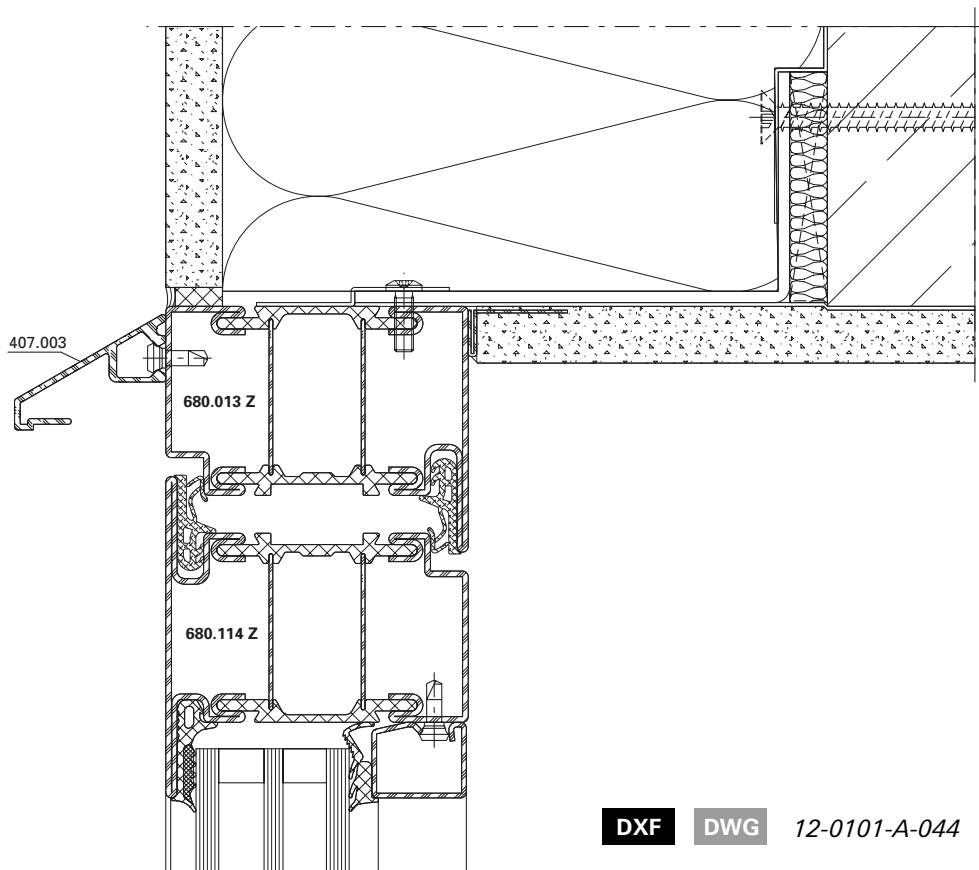
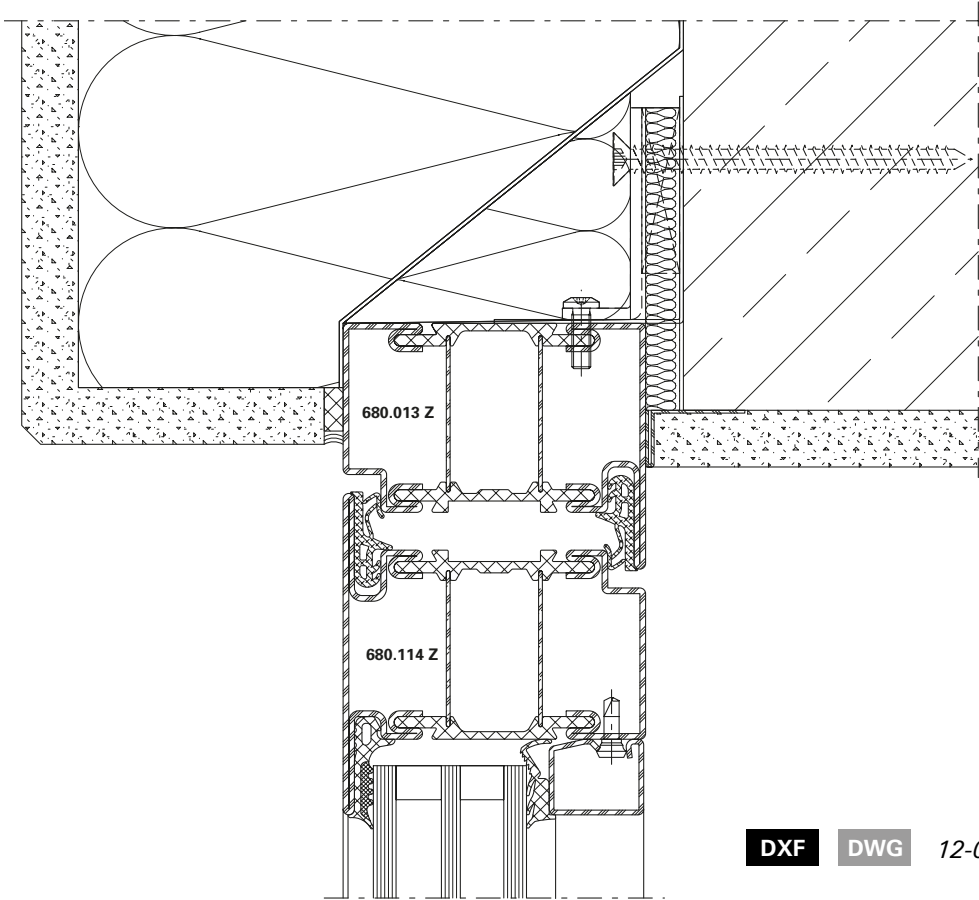
DXF DWG 12-0101-A-041

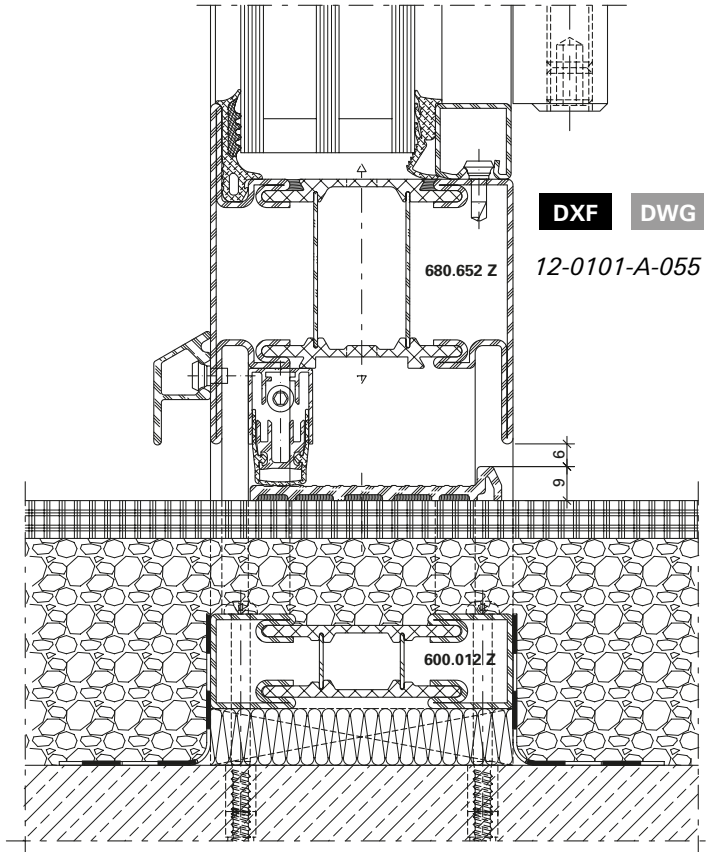
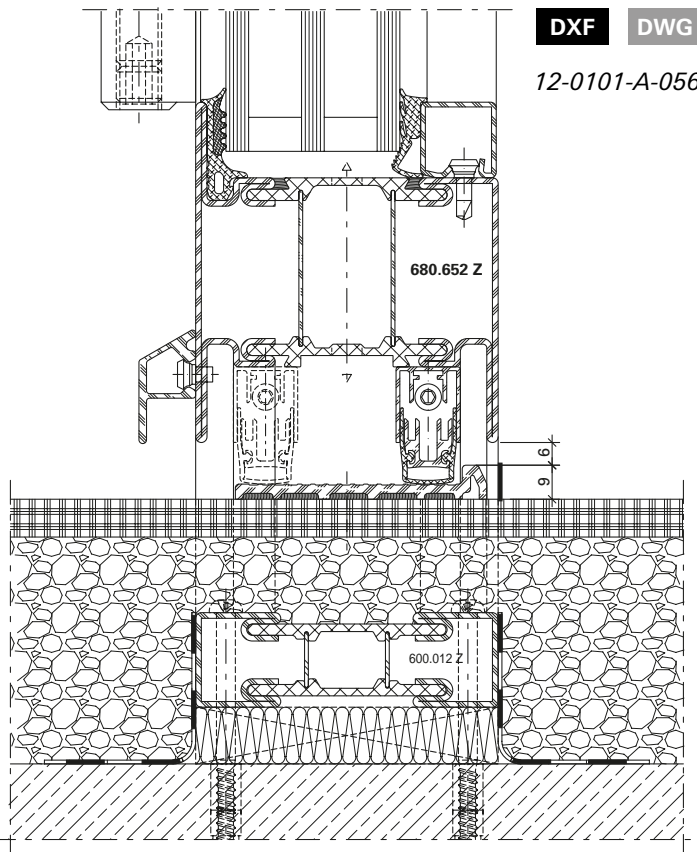
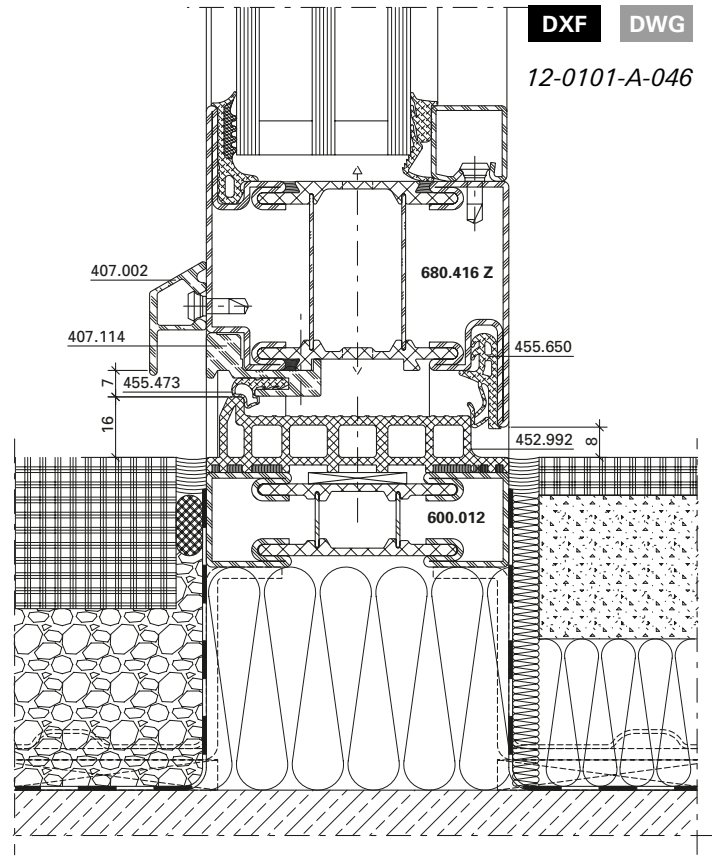
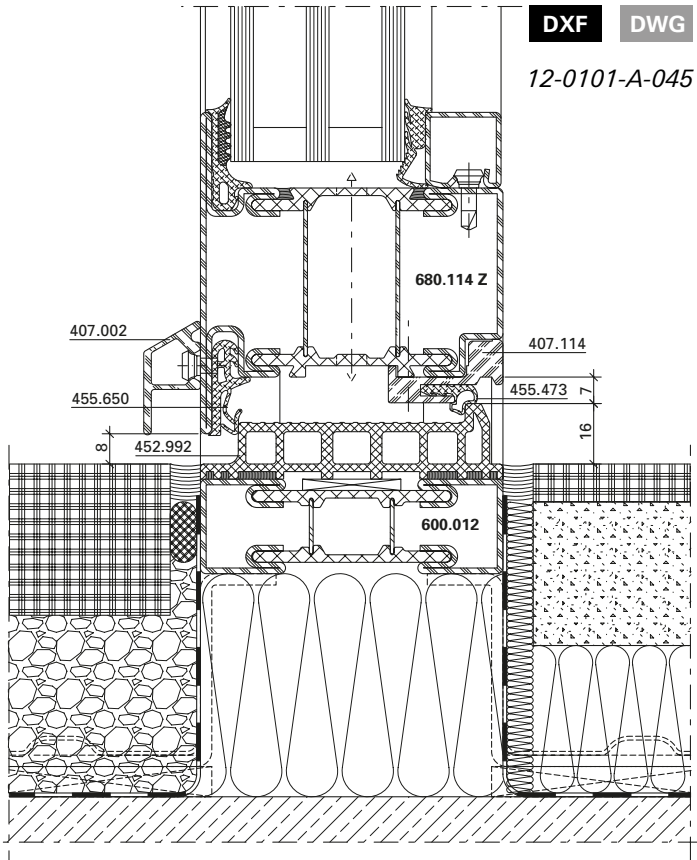


DXF DWG 12-0101-A-042

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors





Anschlüsse am Bau im Massstab 1:2

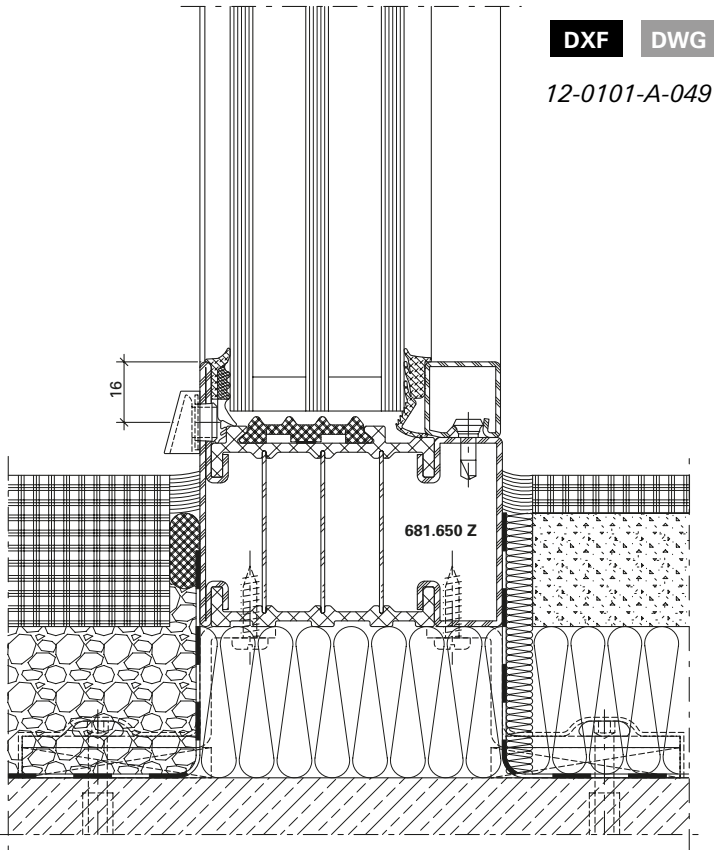
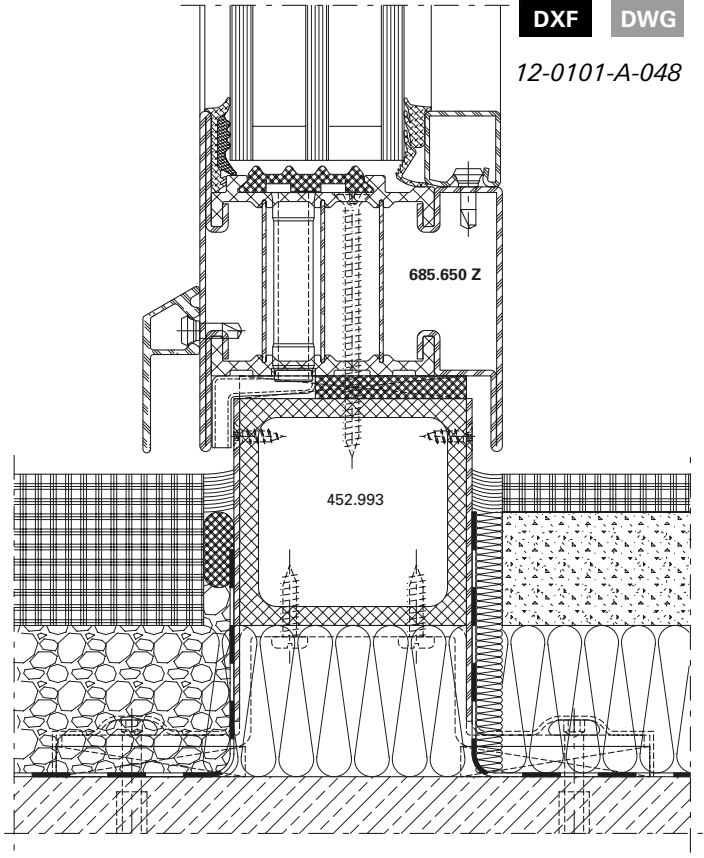
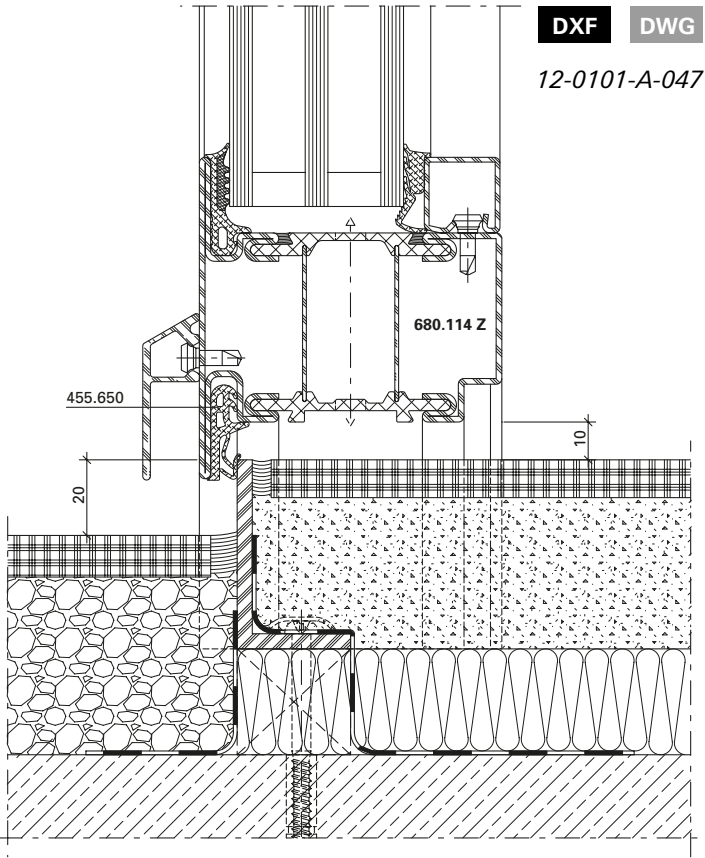
Raccords au mur à l'échelle 1:2

Attachment to structure on scale 1:2

Janisol HI Türen

Janisol HI portes

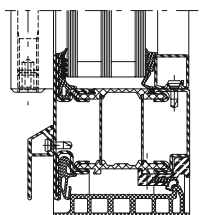
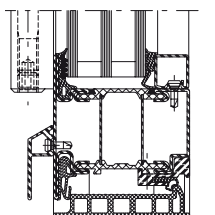
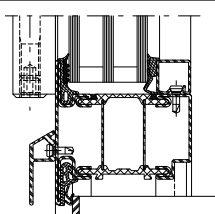
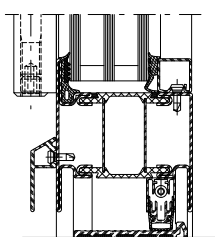
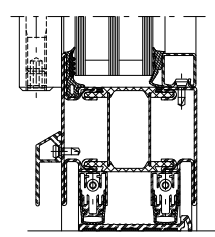
Janisol HI doors



**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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
Doppelanschlag Butée double Double rebate seal		①	2	1	8A	8A	C2	C2
		②	4	3	8A	8A	C3	C2/B3
		③	4	3	9A	9A	C4	B4
Einfachanschlag Butée simple Single rebate seal		①	2	1	5A	5A	C2	C2
		②	4	3	5A	5A	C3	C2/B3
		③	4	3	4A	4A	C4	B4
Einfache Senkdichtung Joint seuil simple Single drop seal		①	1	1	2A	2A	C2	C2
		②	3	3	5A	5A	C3	C2/B3
		③	3	3	2A	2A	C4	B4
Doppelte Senkdichtung Joint seuil double Double drop seal		①	1	1	2A	2A	C2	C2
		②	3	3	3A	3A	C3	C2/B3
		③	3	3	2A	2A	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

¹ Profile Kammermass 30 mm
nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la
chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions
of 30 mm not permitted

① Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

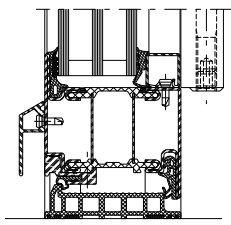



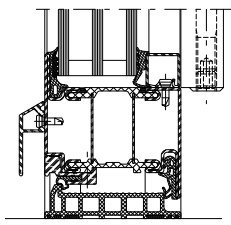
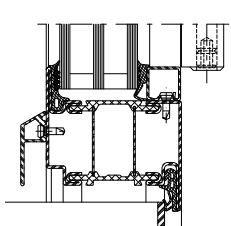
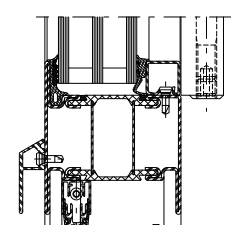
② Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

③ Mehrfachverriegelungs-Schloss
Serrure 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**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1
			Doppelanschlag Butée double Double rebate seal		1	2	1	-
		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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

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
Serrure à verrouillage multiple
Multipoint lock

Einflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 outward opening,
 leaf height < 3000 mm¹

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

Die Werte gelten für Trocken-
und Nassverglasung

FB = Flügelbreite

* 2 Bänder

** 3 Bänder

¹ Profile Kammermass 30 mm
nicht zulässig

① Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

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

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
chambre de 30 mm non autorisés

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

The values are valid for dry glazing
and glazing with sealing

FB = Leaf width

* 2 hinges

** 3 hinges

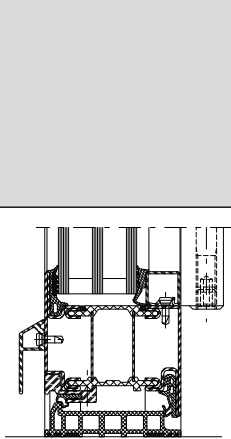
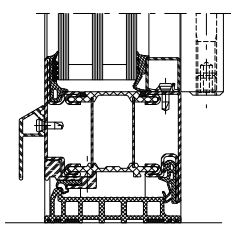
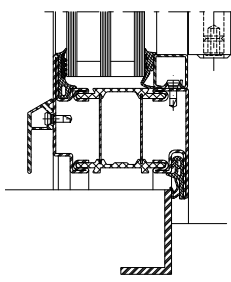
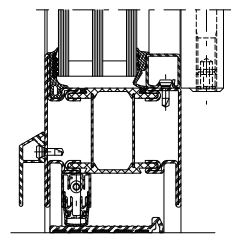
¹ Profiles with chamber dimensions
of 30 mm not permitted

③ Mehrfachverriegelungs-Schloss
Serrure à verrouillage multiple
Multipoint lock

Einflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 inward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}
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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

① Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

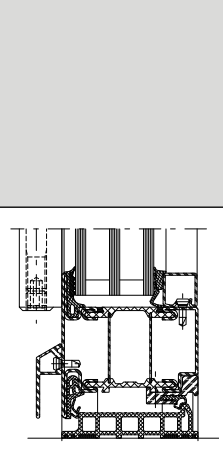
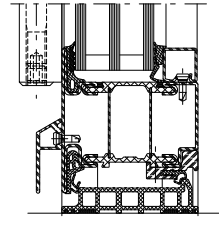
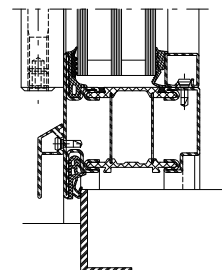
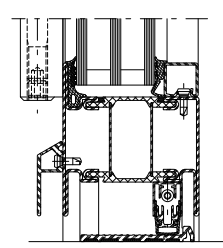
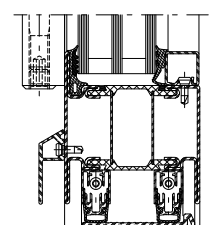
② Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

③ Mehrfachverriegelungs-Schloss
 Serrure 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**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

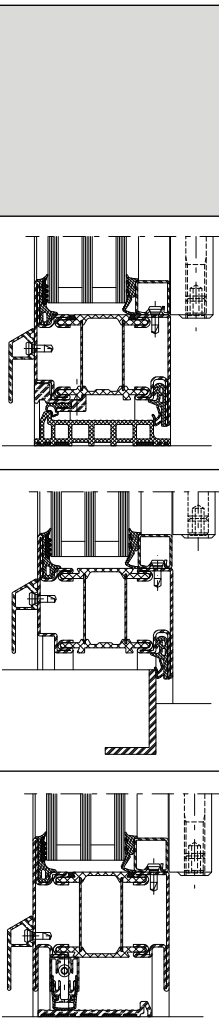



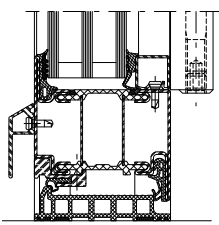
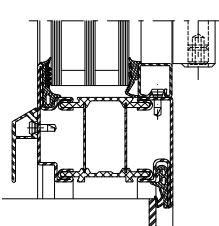
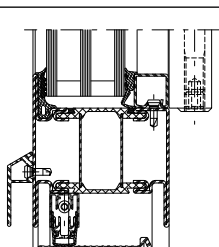
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
Doppelanschlag Butée double Double rebate seal		①	2	1	-	-	C2	C2
		②	4	3	-	-	C2/B3	C2/B3
		③	4	3	-	-	C2	C2
Einfachanschlag Butée simple Single rebate seal		①	2	1	-	-	C2	C2
		②	3	3	-	-	C2/B3	C2/B3
		③	4	3	-	-	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		①	1	1	1A	1A	C2	C2
		②	3	3	1A	1A	C2/B3	C2/B3
		③	2	2	1A	1A	C2	C2

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

① Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

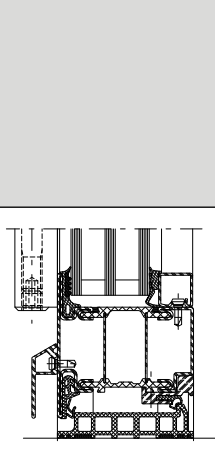
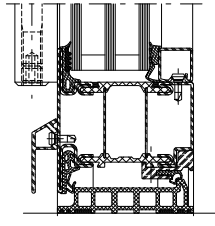
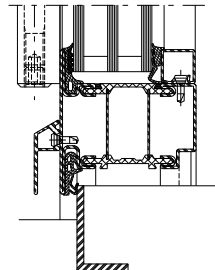
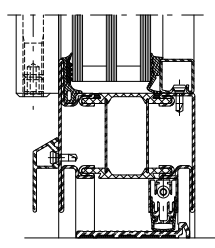
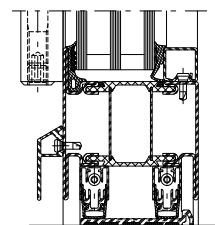
② Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

③ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 outward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

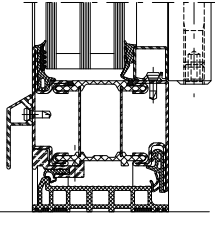
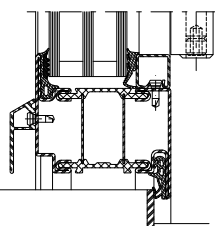
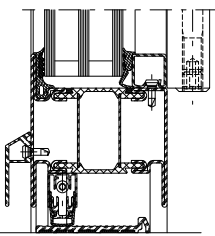
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 inward opening,
 leaf height < 3000 mm¹

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

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm
 nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions
 of 30 mm not permitted

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
 Serrure 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:


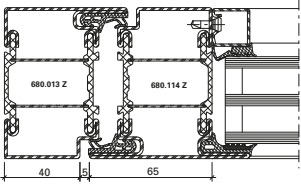
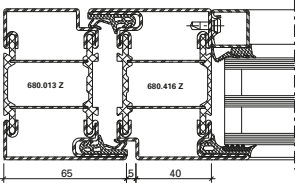
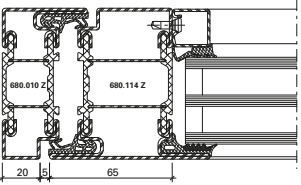
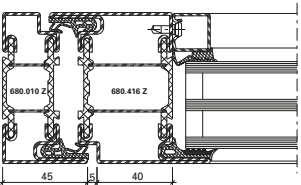
Steel

- 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)


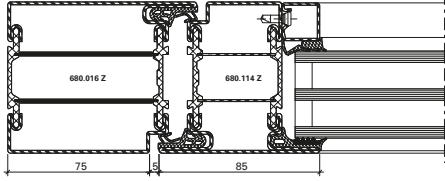
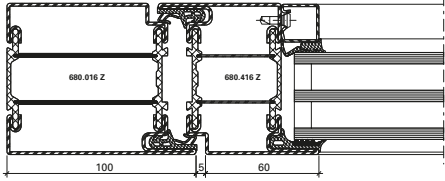
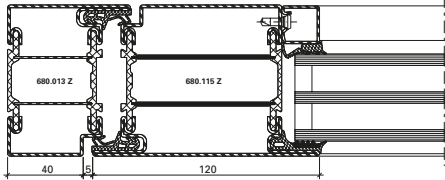
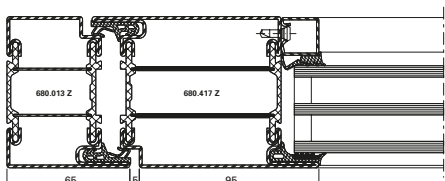
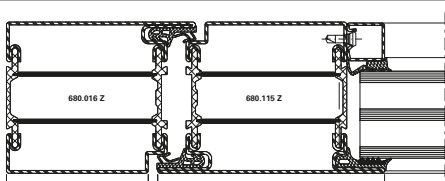
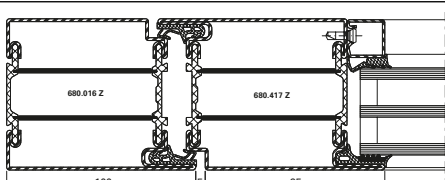
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K
	1,5 W/m ² K	1,5 W/m ² K	1,7 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K

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

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


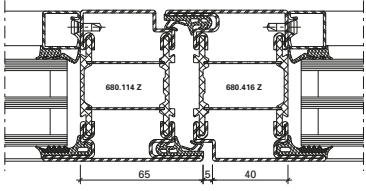
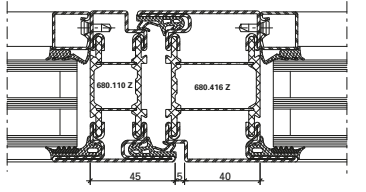
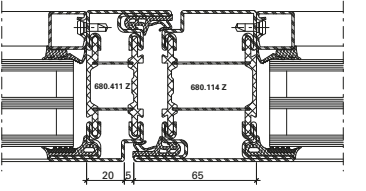
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K

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

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


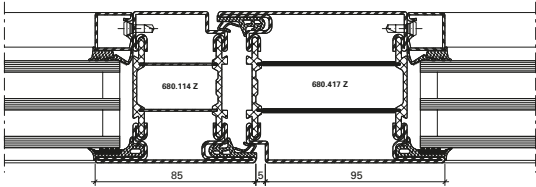
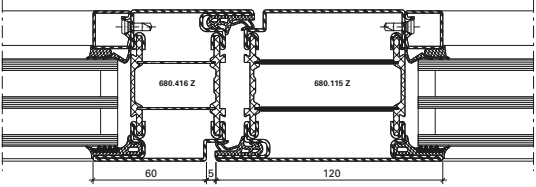
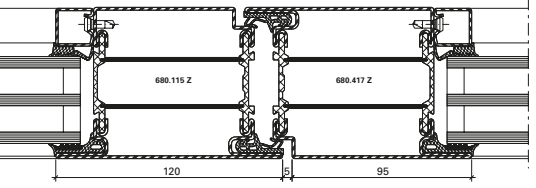
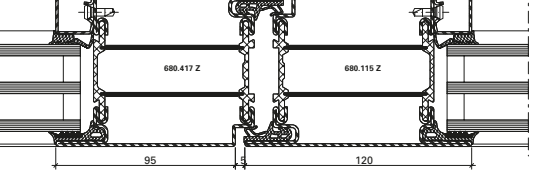
U_f values
 (according to EN ISO 10077-2:2018-01)

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


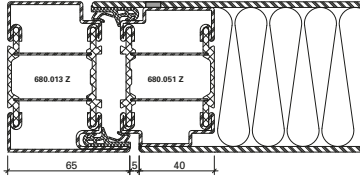
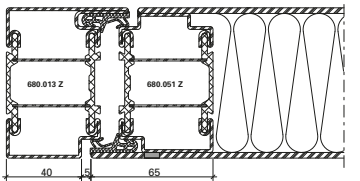
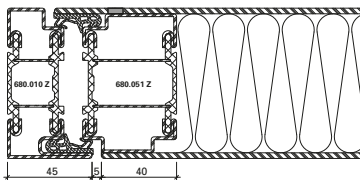
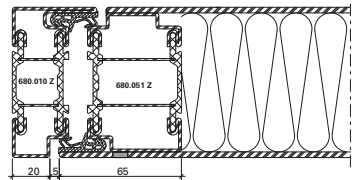
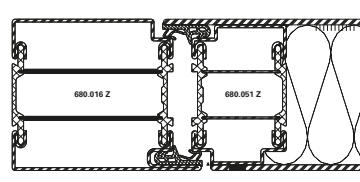
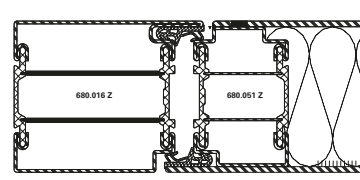
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K

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

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


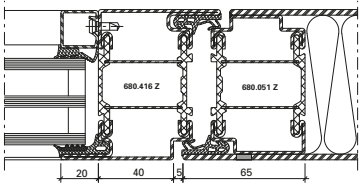
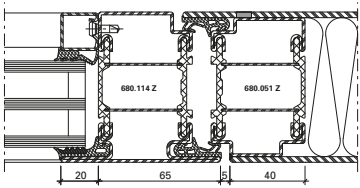
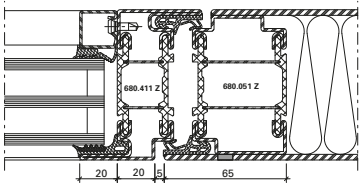
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,5 W/m ² K
	-	-	-	1,5 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,3 W/m ² K
	-	-	-	1,3 W/m ² K

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

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


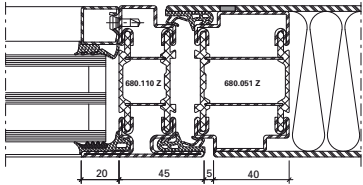
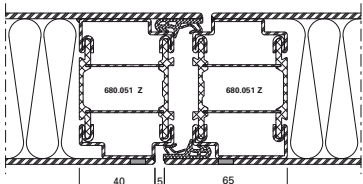
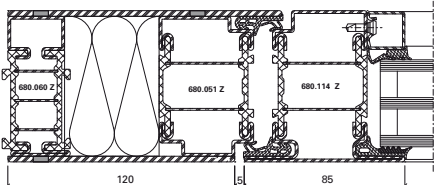
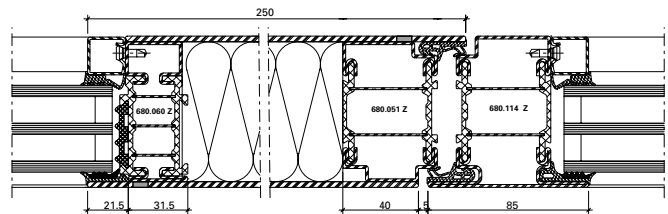
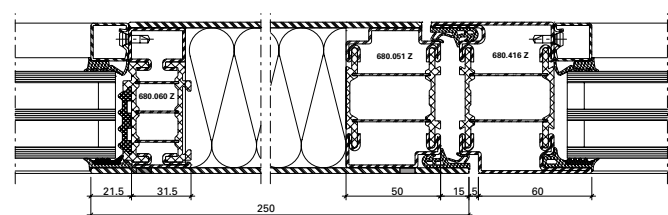
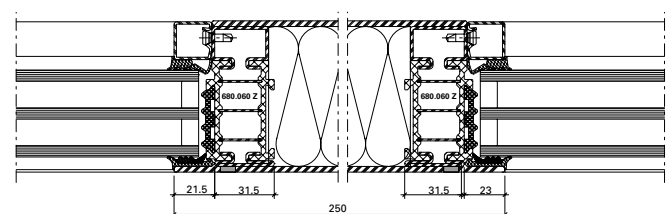
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-

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)


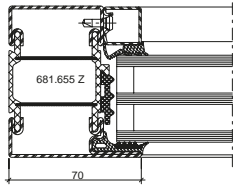
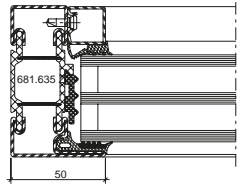
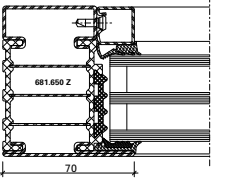
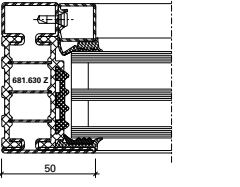
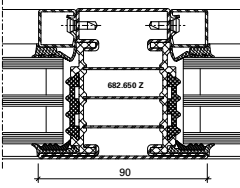
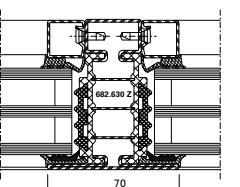
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,7 W/m²K	1,7 W/m²K	1,8 W/m²K	-
	-	-	-	1,6 W/m²K
	1,3 W/m²K	1,3 W/m²K	1,4 W/m²K	-
	1,0 W/m²K	1,1 W/m²K	1,2 W/m²K	-
	1,0 W/m²K	1,1 W/m²K	1,2 W/m²K	-
	0,74 W/m²K	0,77 W/m²K	0,91 W/m²K	-

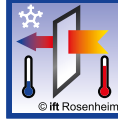
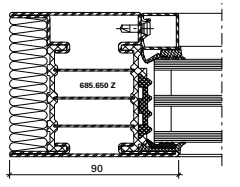
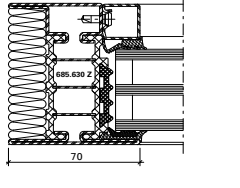
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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/m ² K	1,3 W/m ² K	1,6 W/m ² K
	1,4 W/m ² K	1,5 W/m ² K	1,9 W/m ² K
	0,89 W/m ² K	0,95 W/m ² K	1,2 W/m ² K
	1,0 W/m ² K	1,1 W/m ² K	1,4 W/m ² K
	0,84 W/m ² K	0,93 W/m ² K	1,3 W/m ² K
	0,93 W/m ² K	1,0 W/m ² K	1,5 W/m ² K


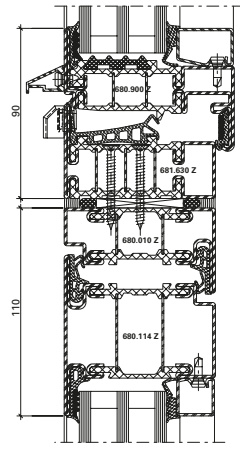
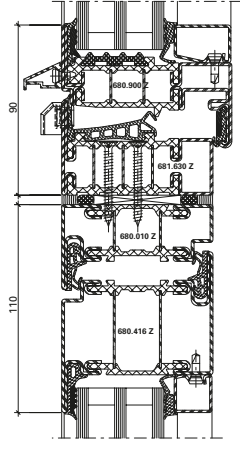
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	0,80 W/m ² K	0,85 W/m ² K	1,0 W/m ² K
	0,88 W/m ² K	0,95 W/m ² K	1,2 W/m ² K

* 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)


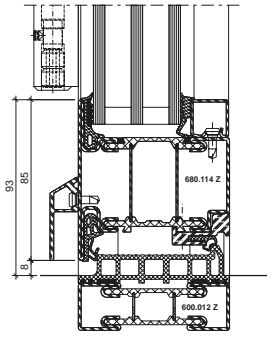
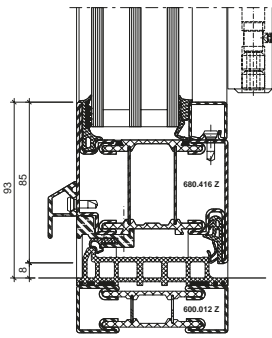
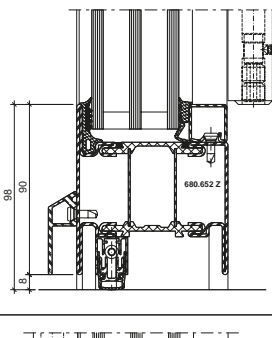
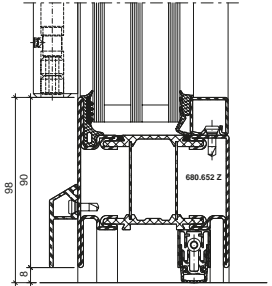
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–


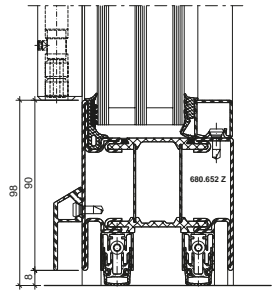
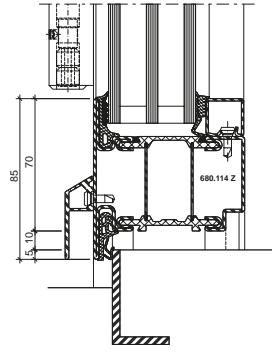
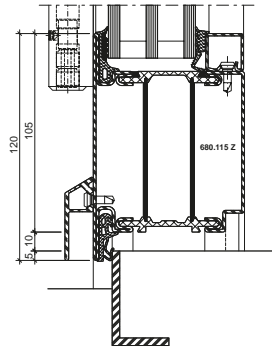
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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)


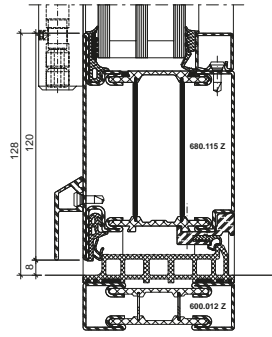
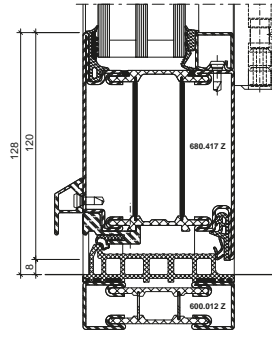
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,8 W/m ² K	2,0 W/m ² K
	1,8 W/m ² K	1,9 W/m ² K	2,1 W/m ² K
	2,5 W/m ² K	2,4 W/m ² K	2,7 W/m ² K
	2,2 W/m ² K	2,3 W/m ² K	2,4 W/m ² K

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,9 W/m ² K	2,0 W/m ² K
	3,2 W/m ² K	3,1 W/m ² K	3,3 W/m ² K
	2,4 W/m ² K	2,5 W/m ² K	2,5 W/m ² K

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

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


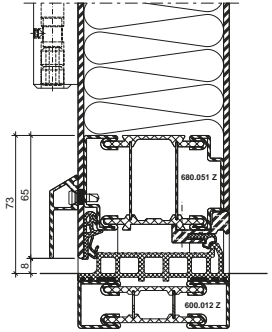
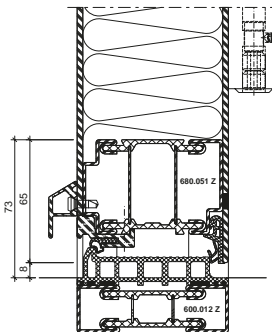
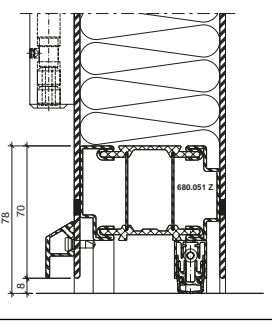
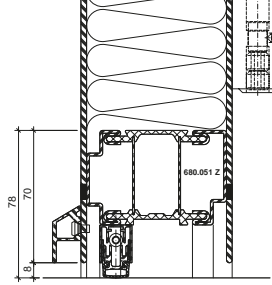
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,5 W/m ² K	1,6 W/m ² K
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K

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

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


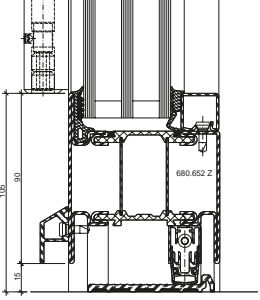
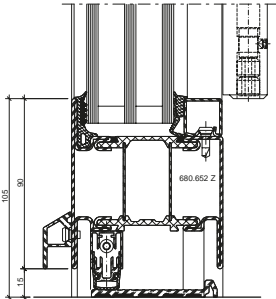
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,9 W/m²K
	-	-	-	1,9 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)


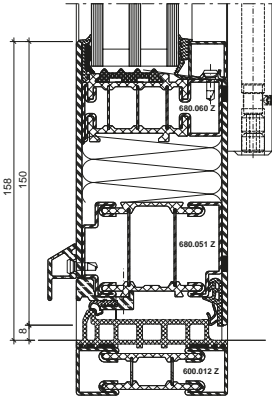
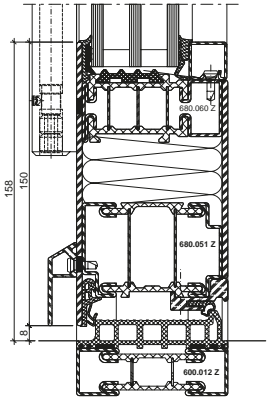
U_f values
 (according to EN ISO 10077-2:2018-01)


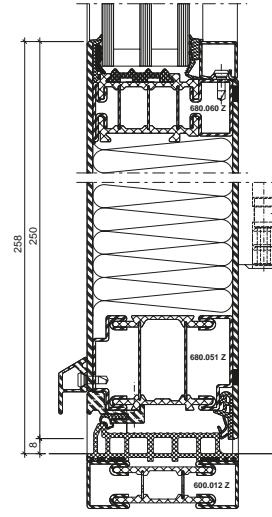
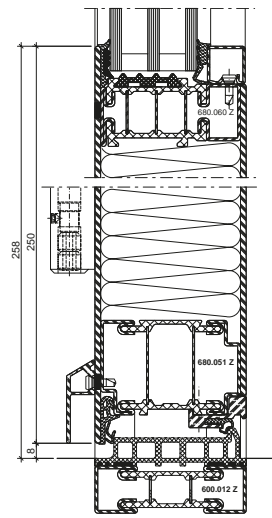
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	5,9 W/m ² K	6,0 W/m ² K	6,2 W/m ² K	–
	4,9 W/m ² K	5,0 W/m ² K	5,1 W/m ² K	–

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*
	1,4 W/m ² K	1,5 W/m ² K	1,5 W/m ² K
	1,4 W/m ² K	1,4 W/m ² K	1,5 W/m ² K

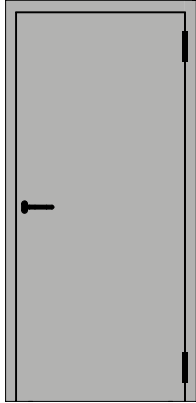
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	1,1 W/m ² K	1,1 W/m ² K	1,2 W/m ² K
	1,1 W/m ² K	1,1 W/m ² K	1,1 W/m ² K

* 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple

Multipoint lock

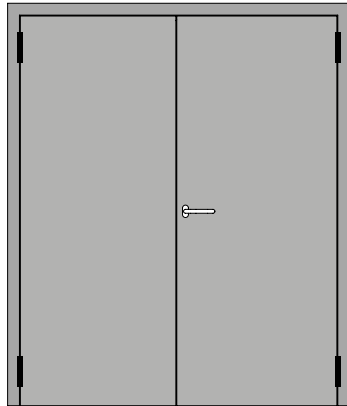
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 verriegelten 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple
Multipoint lock

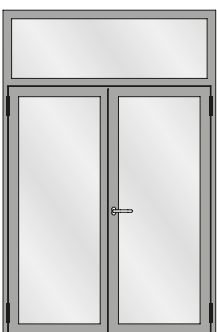
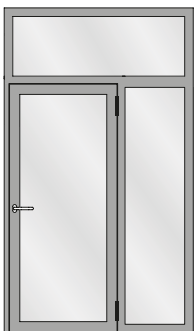
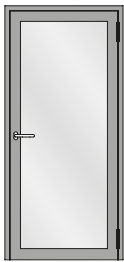
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten a / b ($\Delta T 5^\circ / \Delta T 10^\circ$) Résistance aux changements de température a / b ($\Delta T 5^\circ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



Schallschutz

Ausführungsvarianten

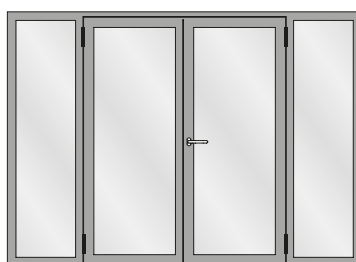
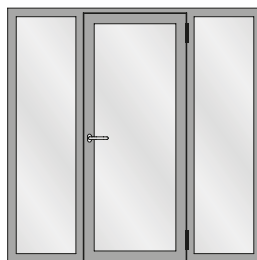
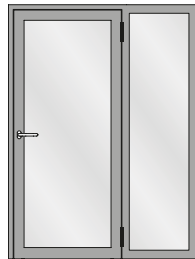
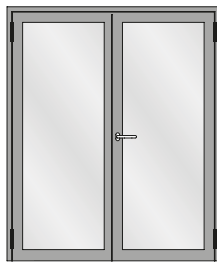
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.



Isolation phonique

Modèles

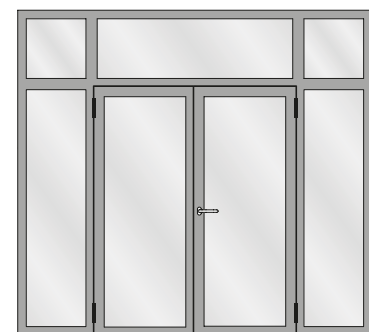
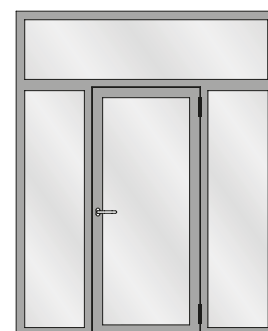
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.



Sound insulation

Design range

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



Schallschutz

Isolation phonique

Sound insulation

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 $R_{w+C_{tr}}$ ist der C_{tr} -Wert des Glases vom R_w abzuziehen.

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 $R_{w+C_{tr}}$, la valeur C_{tr} du verre doit être soustraite de R_w .

Table A1

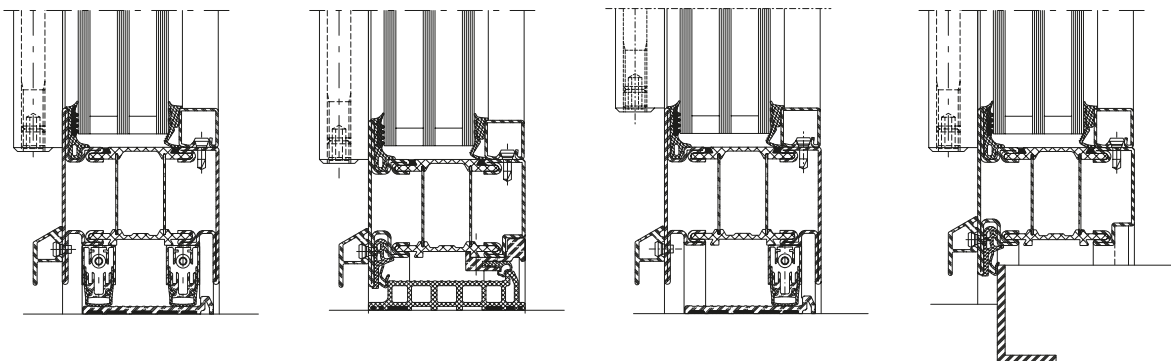
Correction table for Janisol HI doors with glass

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 $R_{w+C_{tr}}$, 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:

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

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

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

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

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

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

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

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

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

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

K_{FV} Korrekturwert für festverglaste Elemente

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

K_{FV} Correction value for units with fixed glazing

K_{Nass} Korrekturwert für Nassverglasung

K_{Nass} Valeur de correction pour vitrage silicone

K_{Nass} Correction value for wet glazing

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$K_{G3,7}$ Korrekturwert für Elemente mit Einzelscheiben $\geq 3,7$ m² und $\leq 5,5$ m²

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

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

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JANSEN
METALFORM

Grafische Planungsdaten wie z.B. Anwendungsbeispiele, Konstruktionsdetails, Anschlüsse am Bau, die in unseren physischen oder elektronischen Dokumentationsunterlagen enthalten sind, sind schematische Darstellungen. Gleiches gilt für digitale Medien wie CAD Dateien oder BIM Modelle.

Sie sollen den ausführenden Metallbauer und/oder Fachplaner bei der Planung und Ausführung eines Projektes unterstützen. Sie sind im konkreten Anwendungsfall durch den ausführenden Metallbauer und/oder Fachplaner auf die Verwendbarkeit im konkreten betroffenen Projekt hinsichtlich rechtlichen/regulatorischen aber auch technischen objektspezifischen Anforderungen zu überprüfen und ggfs. eigenverantwortlich anzupassen.

Bei der Überprüfung, der spezifischen Planung und der Umsetzung sind die objektspezifischen Rahmenbedingungen (Material der Bausubstanz, Dimension des Einbauelements, Farbe, Exposition, Lasteinwirkung, etc.) sowie der geltende Stand der Technik einschliesslich aller anwendbaren Normen und technischen Richtlinien eigenverantwortlich zu beachten.

Falls das vorliegende Dokument Differenzen zur aktuellen deutschen Version (Artikel Nr. K1214219) aufweist, gilt in jedem Fall der deutsche Originaltext in der jeweils geltenden Fassung im Jansen Docu Center.

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

Les données de planification graphiques, comme les exemples d'application, détails de construction et raccordements au bâtiment, fournies dans notre documentation physique et numérique sont des représentations schématiques. Il en va de même pour les médias numériques comme les fichiers CAD ou modèles BIM.

Leur but est de faciliter la planification et réalisation d'un projet par les constructeurs métalliques et/ou concepteurs. Concrètement, elles doivent être vérifiées par le constructeur métallique et/ou le concepteur et, le cas échéant, modifiées de son propre chef pour s'assurer qu'elles concordent avec le projet concerné et qu'elles répondent aux exigences techniques spécifiques ainsi qu'aux dispositions légales et réglementaires.

Lors de la vérification, de la planification spécifique et de la mise en œuvre, il y a lieu de tenir compte des conditions spécifiques à l'objet (matériaux du bâtiment, dimension de l'élément d'insert, couleur, exposition, effet de charge, etc.) ainsi que de l'état actuel de la technique, y compris toutes les normes et directives techniques applicables.

En cas de divergence entre le présent document et la version allemande (no d'article K1214219), c'est dans tous les cas le texte original allemand qui prévaut dans sa version actuelle disponible dans le Jansen Docu Center.

Nous avons apporté le plus grand soin à l'élaboration de cette documentation. Cependant, nous déclinons toute responsabilité pour l'utilisation faite de nos propositions et de nos données.

Nous nous réservons le droit de procéder à des modifications techniques sans préavis.

Graphical planning data such as application examples, construction details, connections on site that are contained in our physical or electronic documentation components are schematic representations. The same applies to digital media such as CAD files or BIM models.

They are intended to support the metal worker and/or design engineer in planning and executing projects. In the specific case of application they are to be checked by the metal worker and/or design engineer in terms of their usability in the specific project concerned with regard to legal/regulatory and technical property-specific requirements and adjusted if necessary at the latter's own responsibility.

The property-specific underlying conditions (construction material, dimensions of installation element, colour, exposure, load effect etc.) and current state of the art including all applicable norms and technical guidelines are to be taken into consideration at the metal worker and/or design engineer's own responsibility during the review, specific planning and implementation.

If there are any differences between this document and the current German version (item number K1214219), the latest version of the original German text in the Jansen Docu Center shall prevail.

All the information contained in this documentation is given to the best of our knowledge and ability. However, we decline all responsibility for the use made of these suggestions and data.

We reserve the right to effect technical modifications without prior warning.

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Leistungseigenschaften

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Janisol HI Türen

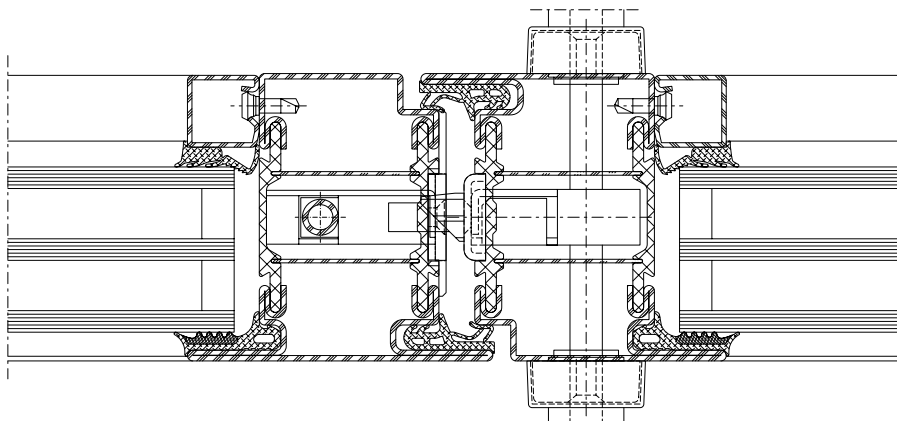
- Bautiefe 80 mm, Türflügel innen und aussen flächenbündig
- Schmale Profilansichten: Rahmen mit Türflügel 130 mm, Türstulpbereich 150 mm
- Für ein- und zweiflügelige Türen, einwärts und auswärts öffnend, mit oder ohne Oberlicht und Seitenteile
- Grösse Türflügel bis max. 1400 mm x 3000 mm (b×h) Flügelgewicht 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

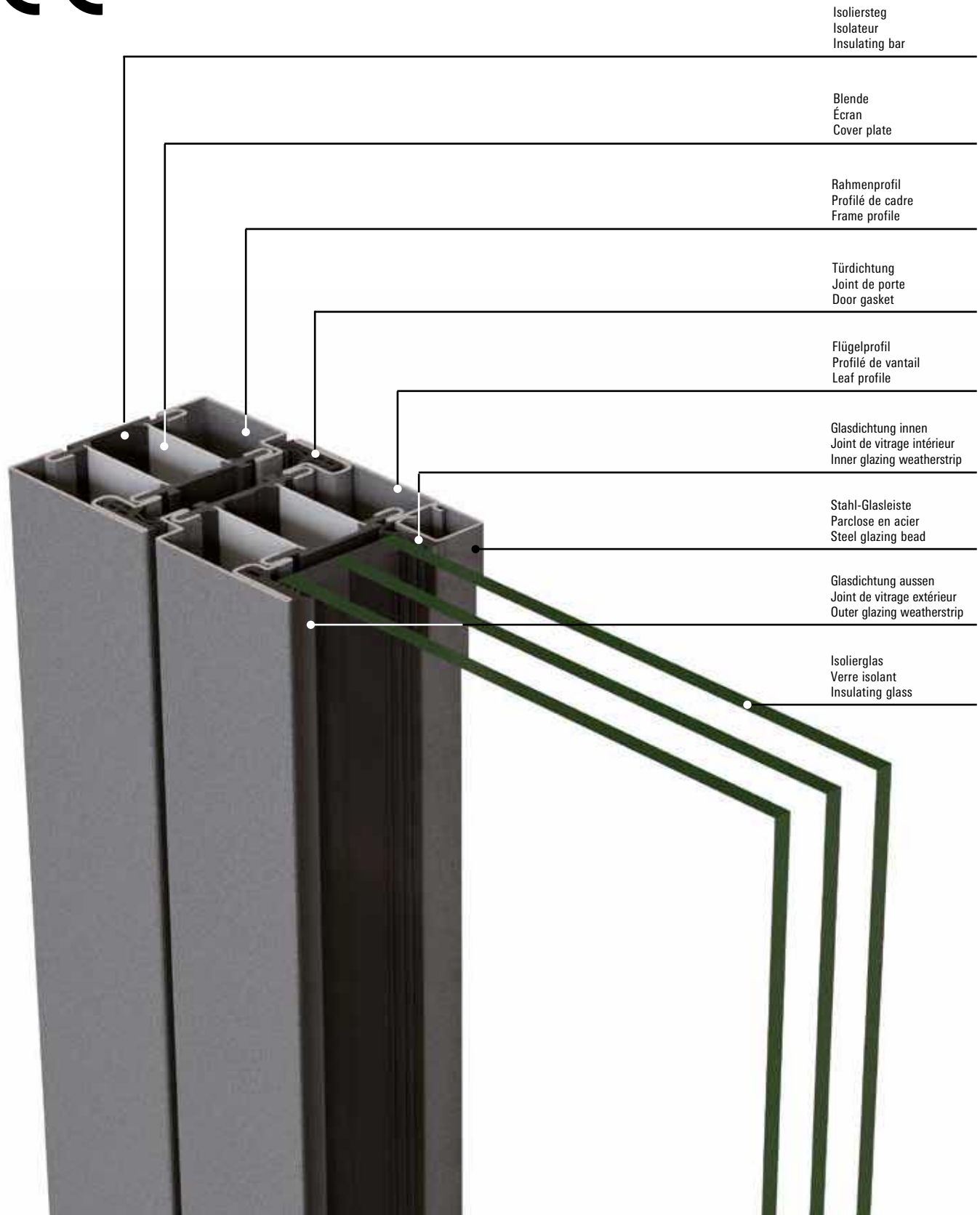
Janisol HI portes










- 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








Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value										
		npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>2000)				
 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 Étanchéité 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/(m ² ·K)) Transmission thermique U_f (W/(m ² ·K)) Thermal production U_f (W/(m ² ·K))	npd	ab 0,74 W/m ² K à partir de 0,74 W/m ² K from 0,74 W/m ² K									
 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 méca. 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 1627	Einbruchhemmung Anti-effraction Burglar resistance	npd	1	2	3	4	5	6				
 EN 14024	Metallprofile mit thermischer Trennung Profils en métal. avec rupture de pont thermique Metal profiles with thermal barrier		CW / TC2									

npd = keine Leistung festgestellt
(no performance determined)

npd = Aucune performance
déterminée
(no performance determined)

npd = no performance determined

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value									
		D	1	2	3	4	5	6	7	8	
 EN 12400	Dauerfunktionsprüfung Durabilité mécanique Mechanical durability		5'000	10'000	20'000	50'000	100'000	200'000	500'000	1'000'000	
 EN 12217	Bedienkräfte Forces de manœuvre Operating forces	npd	0	1			2				
 DIN 18008-4	Vorgefertigte absturzsichernde Verglasung Vitrage anti-chutes préfabriquée 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

Zur Erreichung der maximalen Leistungswerte bzw. der CE-Kennzeichnung sind die Gutachtlichen Stellungnahmen zu beachten.
(docucenter.jansen.com)

Il doit être tenu compte des avis d'expert dans le but d'obtenir les valeurs de performance maximales et le marquage CE.
(docucenter.jansen.com)

To achieve the maximum performance values and/or the CE marking, the expert appraisal report must be observed.
(docucenter.jansen.com)



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

- Verschlussystem für Notausgangstüren nach EN 179
- Verschlussystem 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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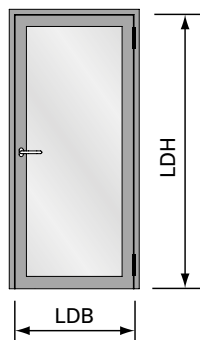
The items «Article library/Door fittings/Window fittings» means that you download the entire article library for the corresponding system with one click (profiles, fittings, glazing beads, accessories etc.).

Information and advice

We would be delighted to provide you with advice in person and are available to answer any questions you may have. Please write to us with your queries at: info@jansen.com

Technische Daten
Données techniques
Technical data

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 1360 mm
 min. 600 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 1360 mm
 min. 600 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

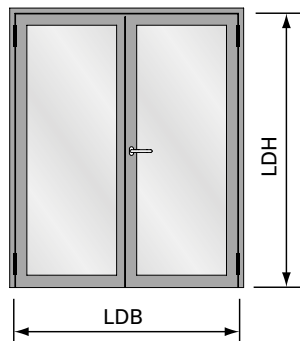
Poids de vantail max. 280 kg

Size of elements

LDB Clear opening width
 max. 1360 mm
 min. 600 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

Weight of leaf max. 280 kg



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 2740 mm
 min. 1200 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 2740 mm
 min. 1200 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

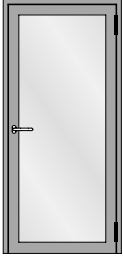
Poids de vantail max. 280 kg

Size of elements

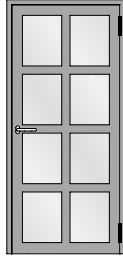
LDB Clear opening width
 max. 2740 mm
 min. 1200 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

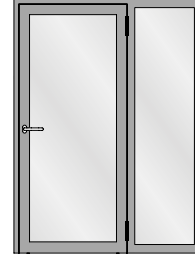
Weight of leaf max. 280 kg



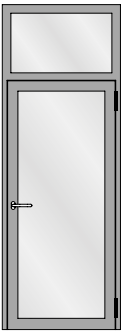
Einflügelige Türe
Porte à un vantail
Single leaf door



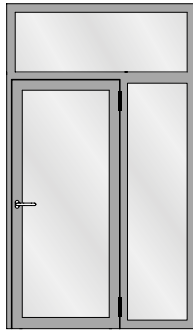
Einflügelige Türe mit Riegel
Porte à un vantail avec traverses
Single leaf door with transoms



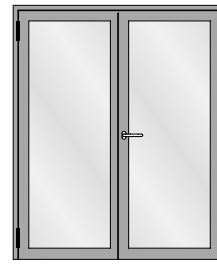
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



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



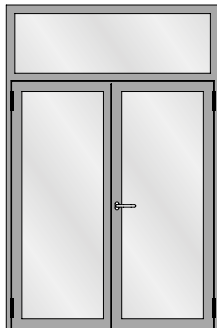
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



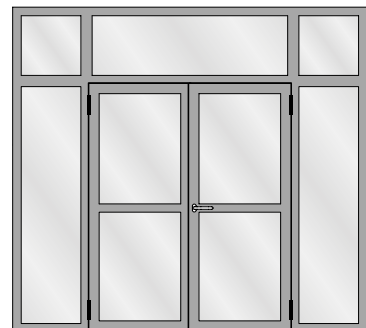
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



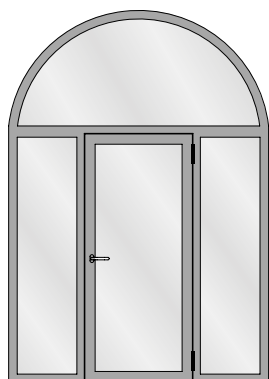
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deux parties latérales fixes
Double leaf door with two fixed side lights



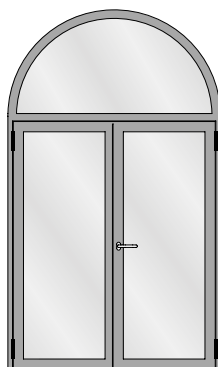
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



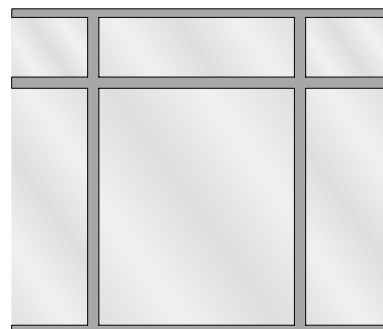
Zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte à deux vantaux avec deux parties latérales fixes et impostes fixes
Double leaf door with two fixed side lights and fixed top lights



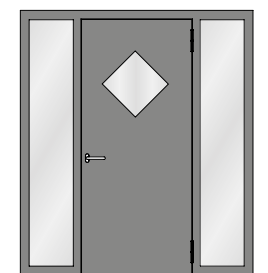
Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
 Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
 Single leaf door with two fixed side lights and round arched top light



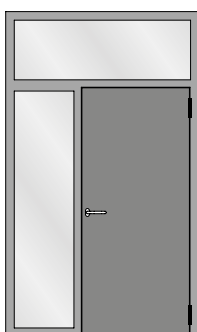
Zweiflügelige Türe mit Rundbogen-Oberlicht
 Porte à deux vantaux avec imposte demi-ronde
 Double leaf door with round arched top light



Festverglasung
 Vitrage fixe
 Fixed glazing



Verblechte einflügelige Türe mit zwei festen Seitenteilen
 Porte tôle 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 tôle 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 tôle 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.

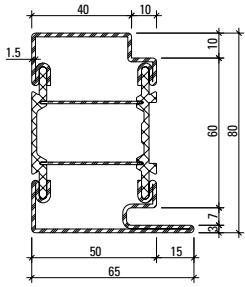
Hinweis Oberflächenbehandlung:
 Wegen der Lochschweißungen empfehlen wir eine Nasslackierung mit vorgängigem Spachteln.

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

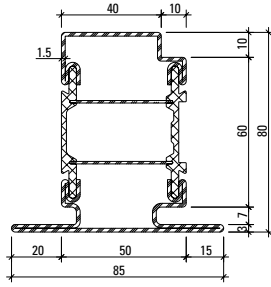
Indications sur le traitement de surface:
 En raison des soudures bouchons, nous recommandons un laquage avec vernis liquide précédé d'un rebouchage.

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.

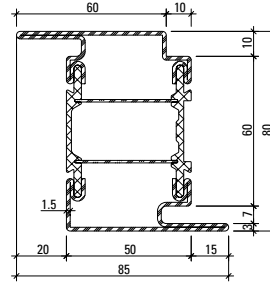
Surface treatment note:
 We recommend wet lacquering preceded by priming, due to the plug welds.



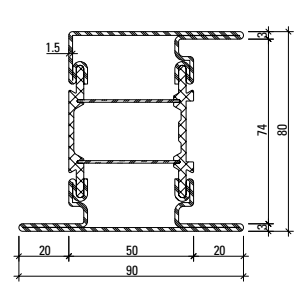
680.013 Z



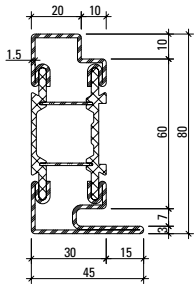
680.114 Z



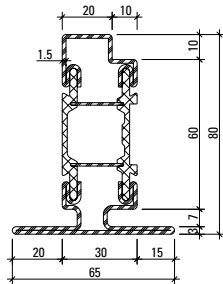
680.416 Z



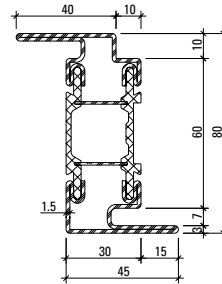
680.652 Z



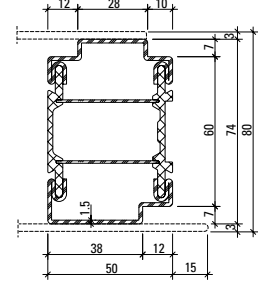
680.010 Z



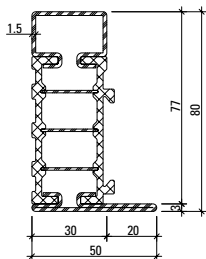
680.110 Z



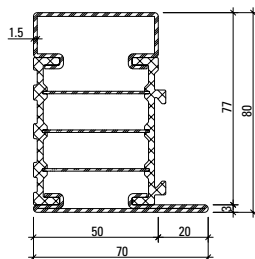
680.411 Z



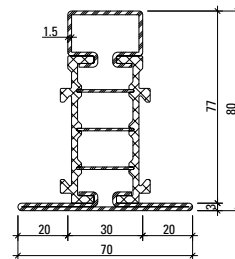
680.051 Z



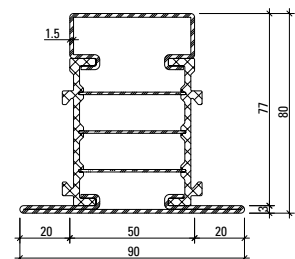
681.630 Z



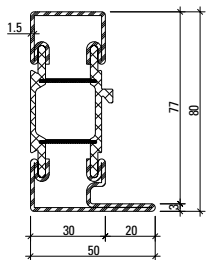
681.650 Z



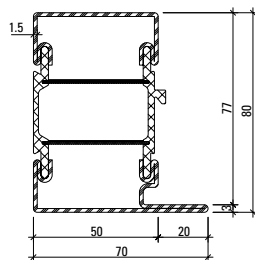
682.630 Z



682.650 Z



681.635 Z*



681.655 Z*

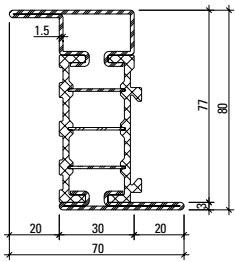
*in Kombination mit Bogen

*en combinaison avec des cintres

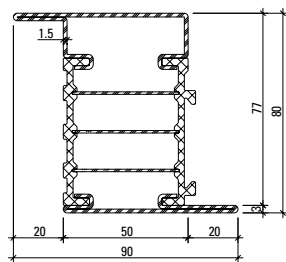
*in combination with arched design

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /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

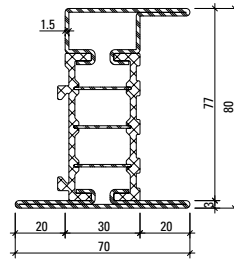
Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.010 Z	3,851	25,60	5,36	6,04	2,19	0,308
680.110 Z	4,435	29,52	5,62	10,06	2,99	0,357
680.411 Z	4,440	34,55	8,53	10,05	2,99	0,357
680.051 Z	3,635	21,02	5,61	11,88	4,68	0,280
681.630 Z	3,713	25,83	5,65	5,61	1,85	0,297
681.650 Z	4,331	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



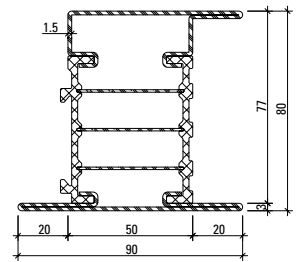
683.630 Z



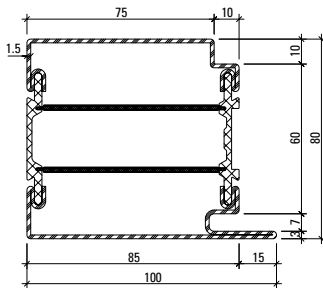
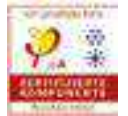
683.650 Z



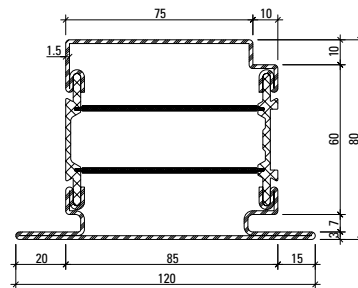
685.630 Z



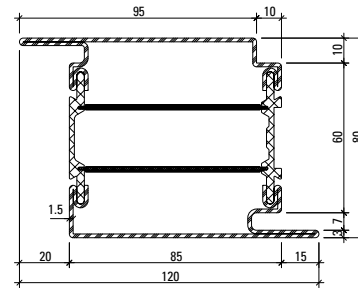
685.650 Z



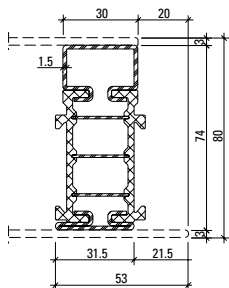
680.016 Z



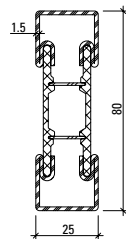
680.115 Z



680.417 Z



680.060 Z



600.012
600.012 Z

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 Article library

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

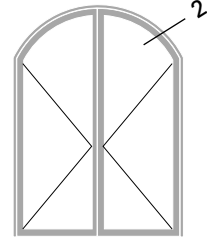
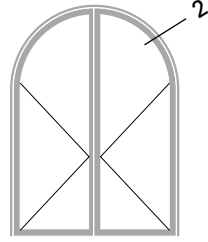
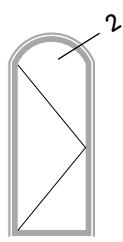
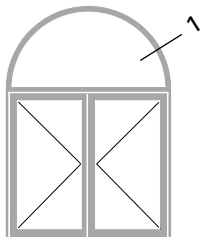
Insulator = glassfibre reinforced plastic

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y 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

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.016 Z	5.688	43.69	9.60	62.25	11.95	0.417
680.115 Z	5.948	48.44	9.83	81.85	13.31	0.466
680.417 Z	6.257	52.25	12.94	81.91	13.32	0.466
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

Bogentüren
Portes cintrées
Arched doors

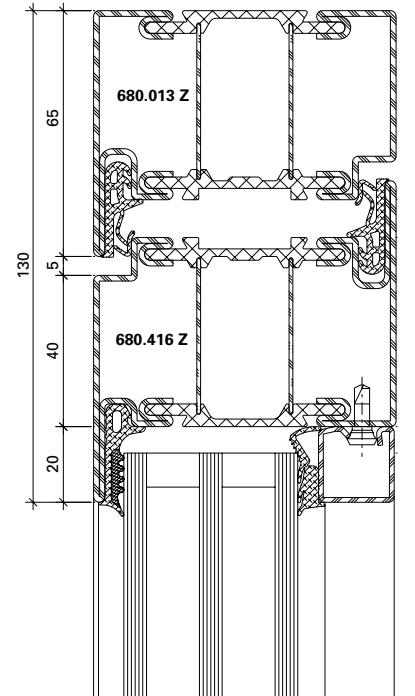
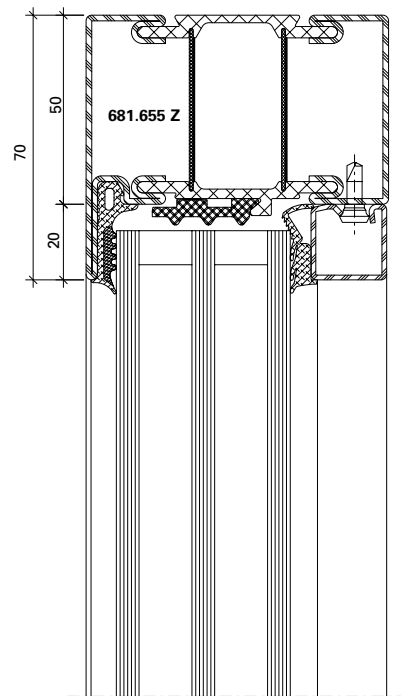
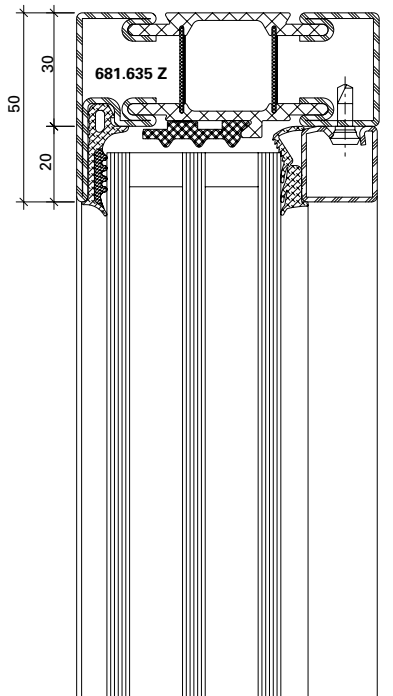
Janisol HI Türen
Janisol HI portes
Janisol HI doors



1.0

1.1

2.0



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

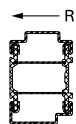
Les rayons indiqués concernent la fabrication des cintres par la société Jansen.

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

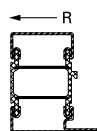
Bogentüren
Portes cintrées
Arched doors

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---

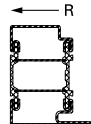


680.051 Z	600 mm
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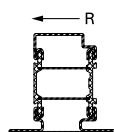


681.635 Z	700 mm
681.655 Z	750 mm

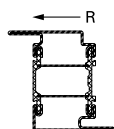
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---



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.

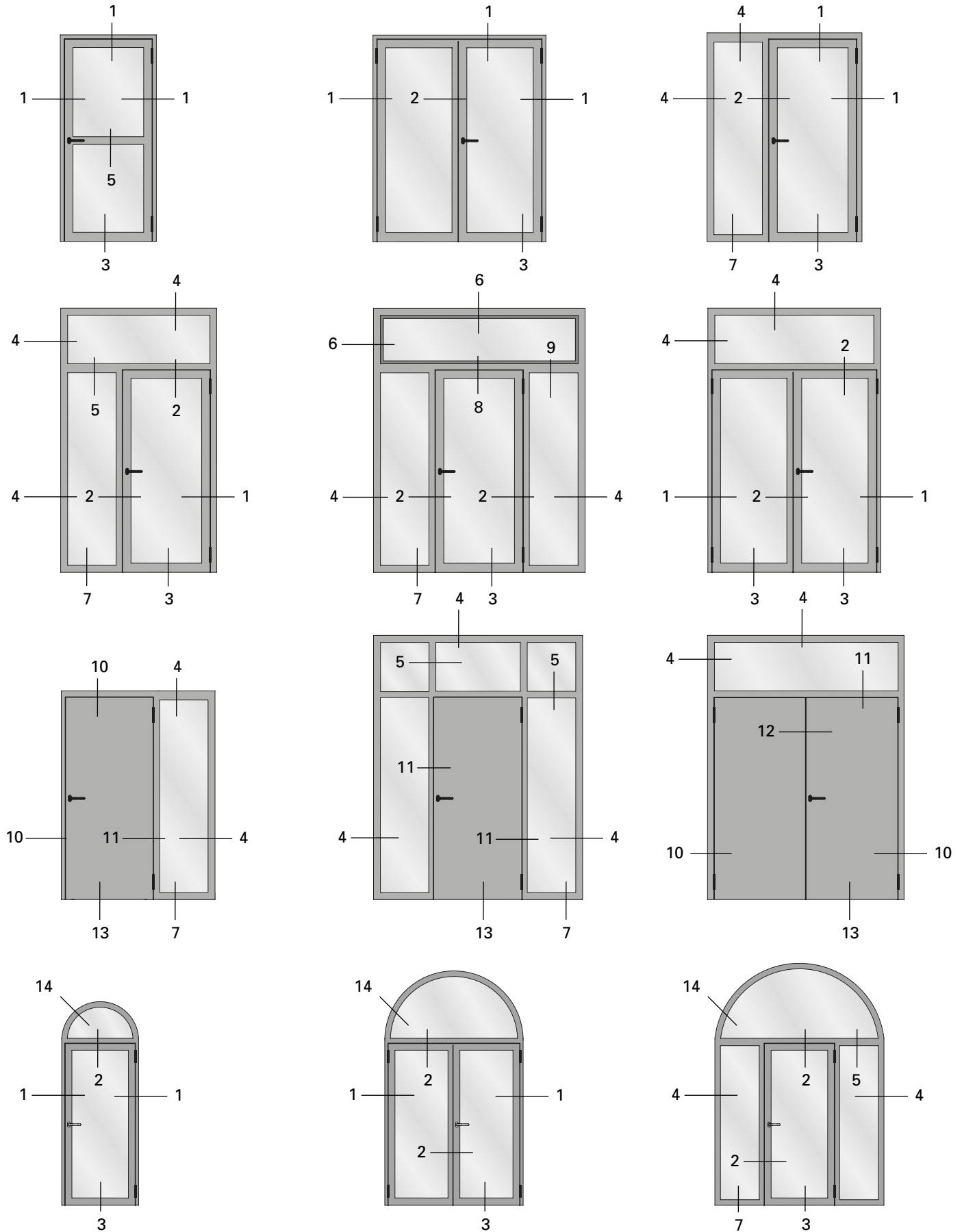
Bitte benutzen Sie unsere Bestellvorlagen auf docucenter.jansen.com

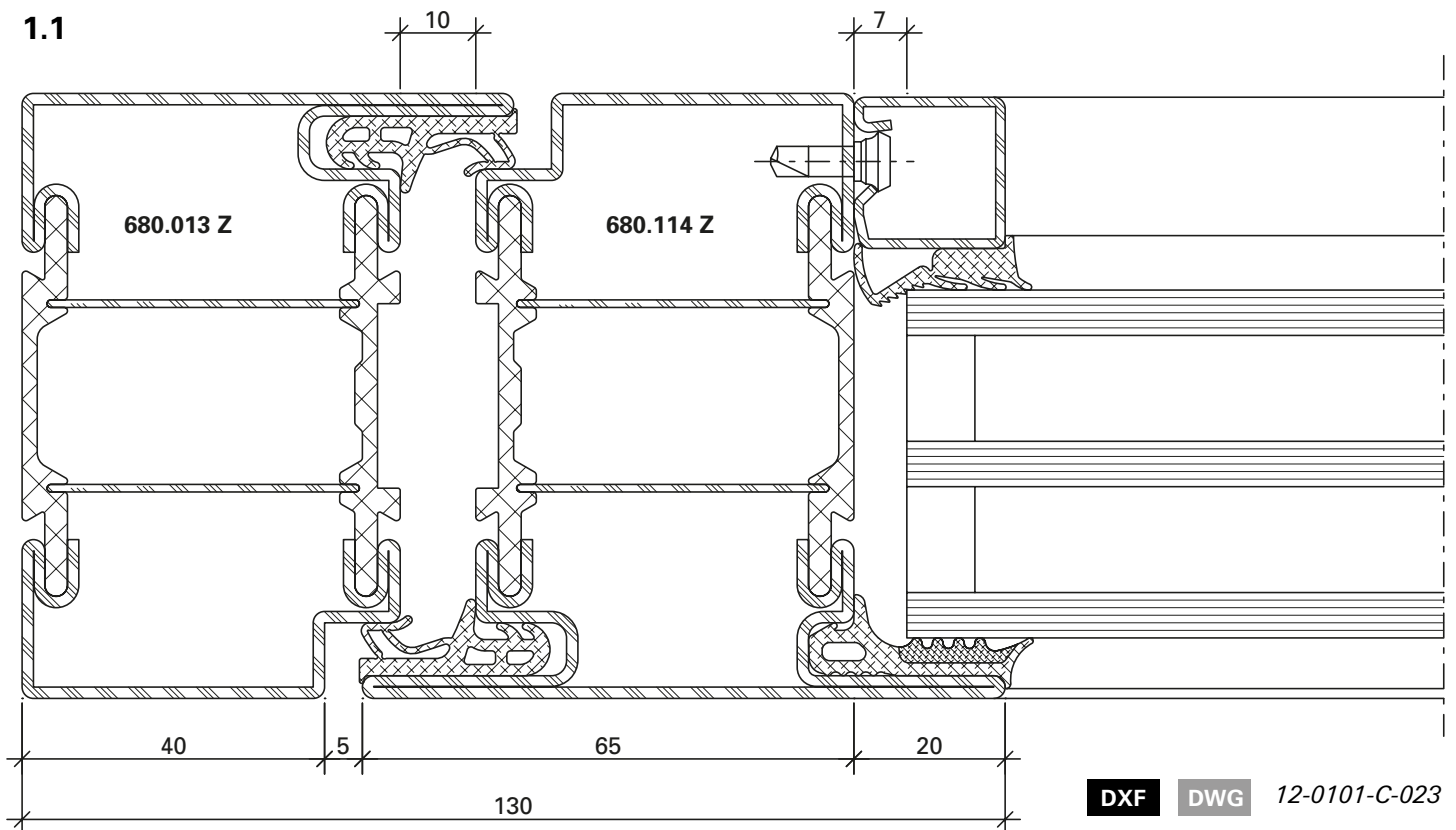
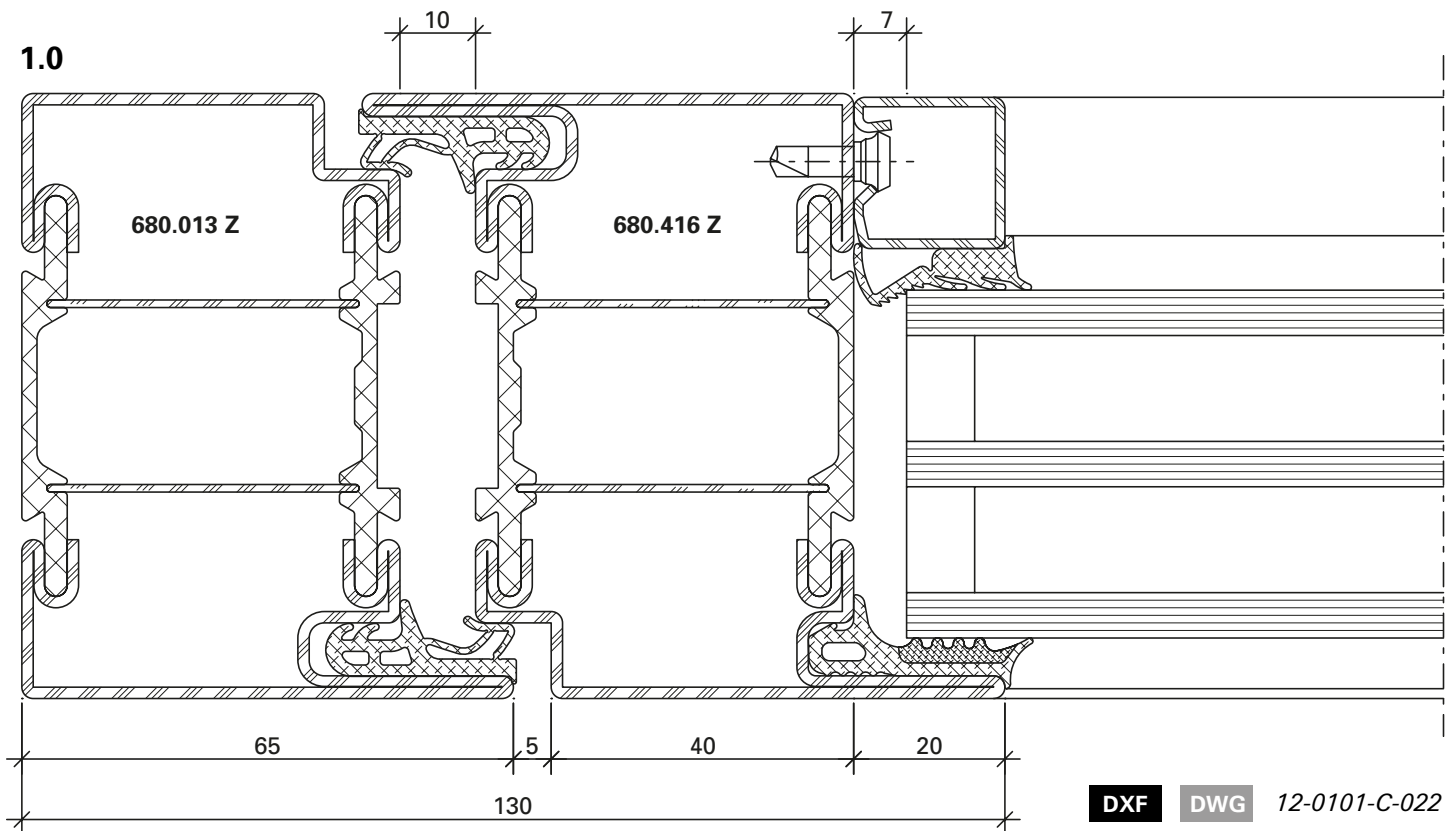
Autres types de profilés et profilés au tracé cintré sur demande.

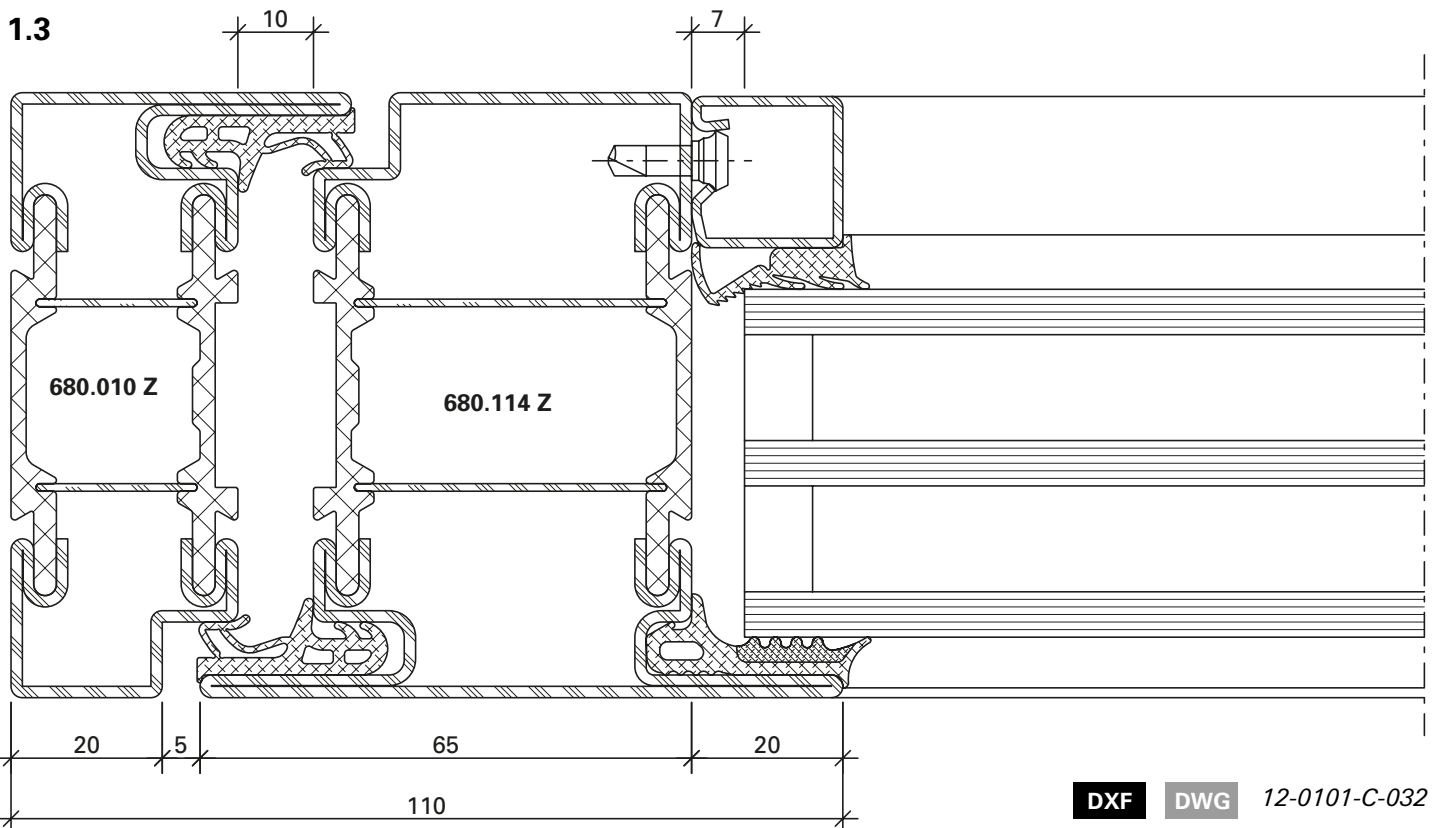
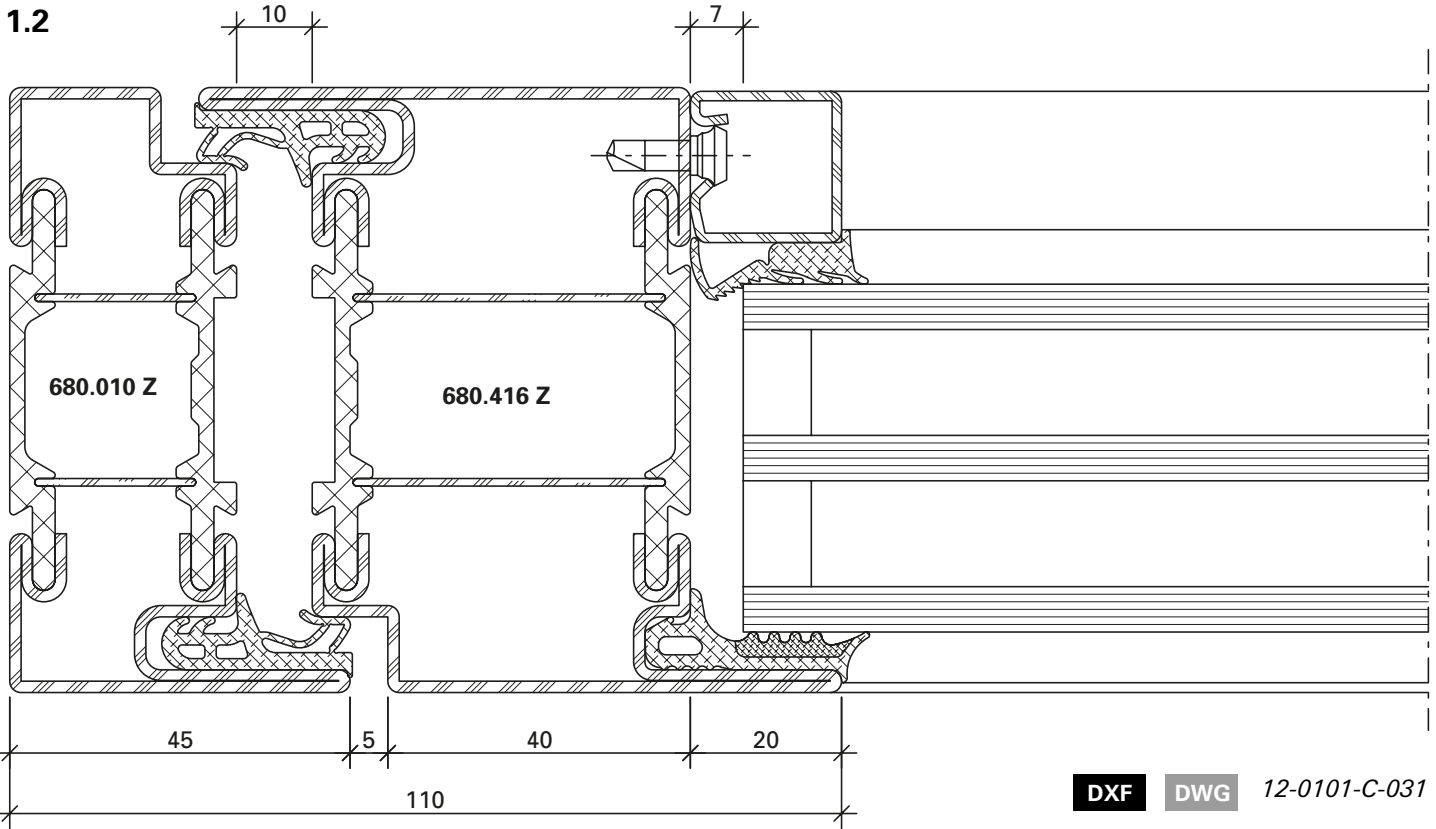
Veuillez utiliser nos formulaires de commande sur docucenter.jansen.com

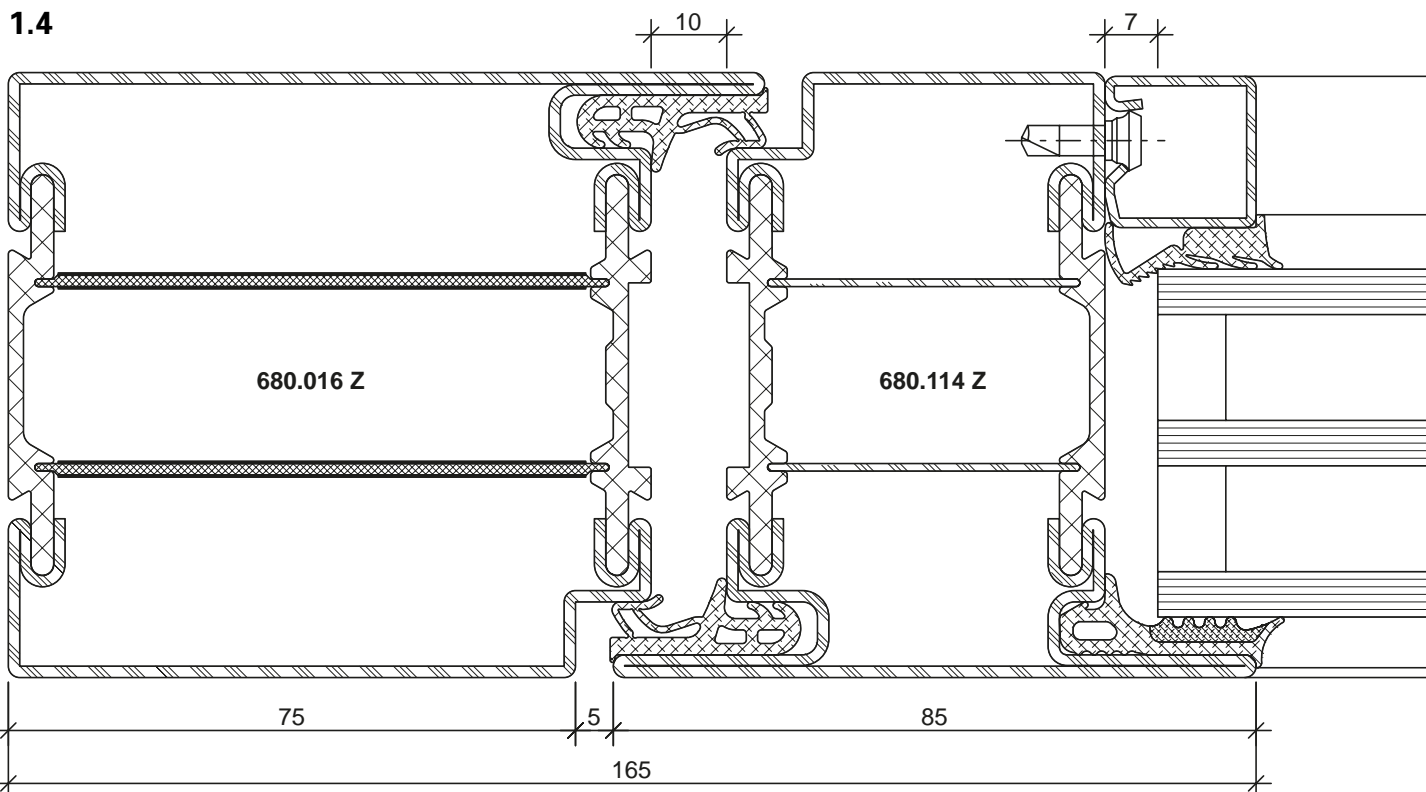
Other profile types and profiles curved in the floor plan are available on request.

Please use our order forms on docucenter.jansen.com

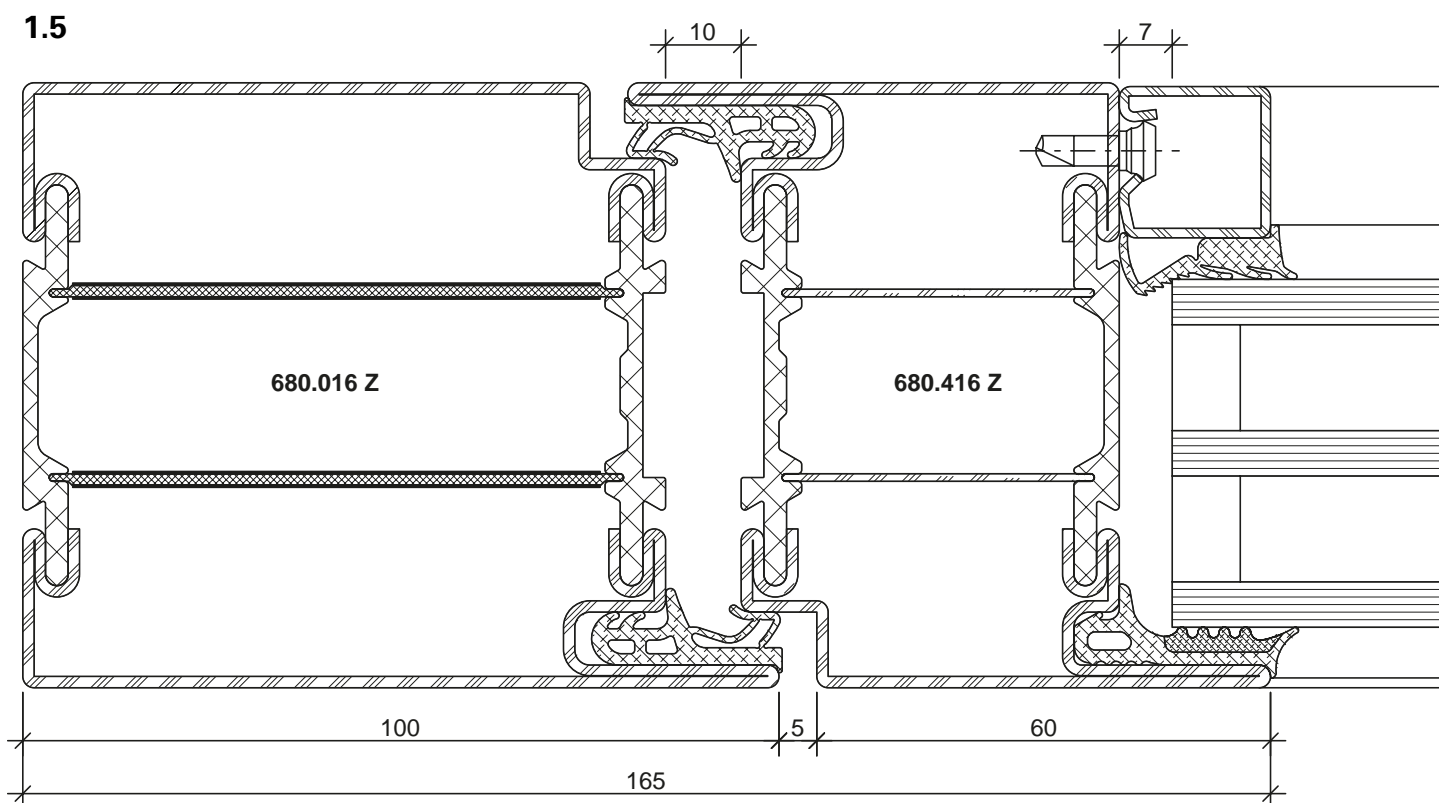






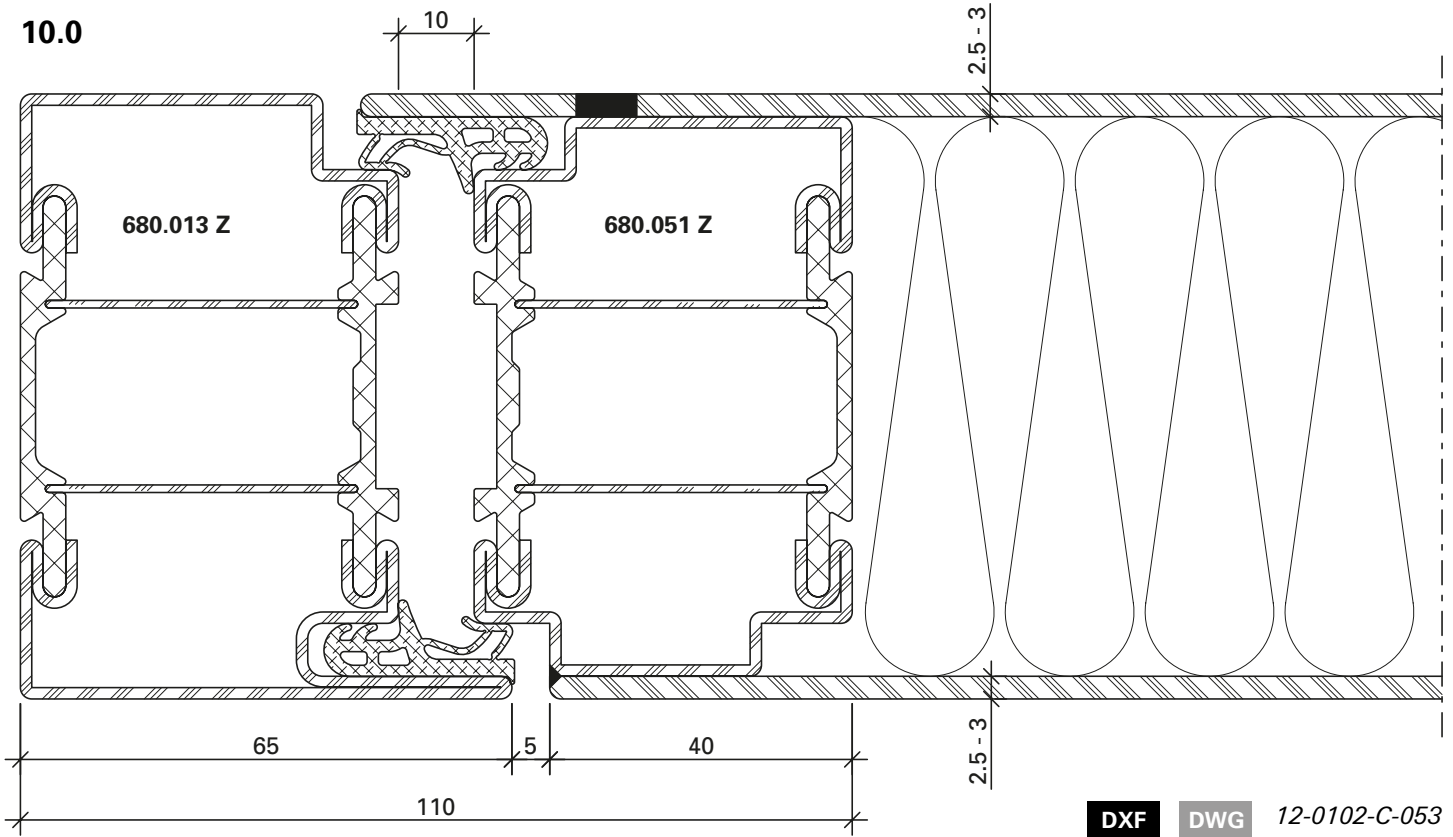


DXF **DWG** 12-0101-C-042



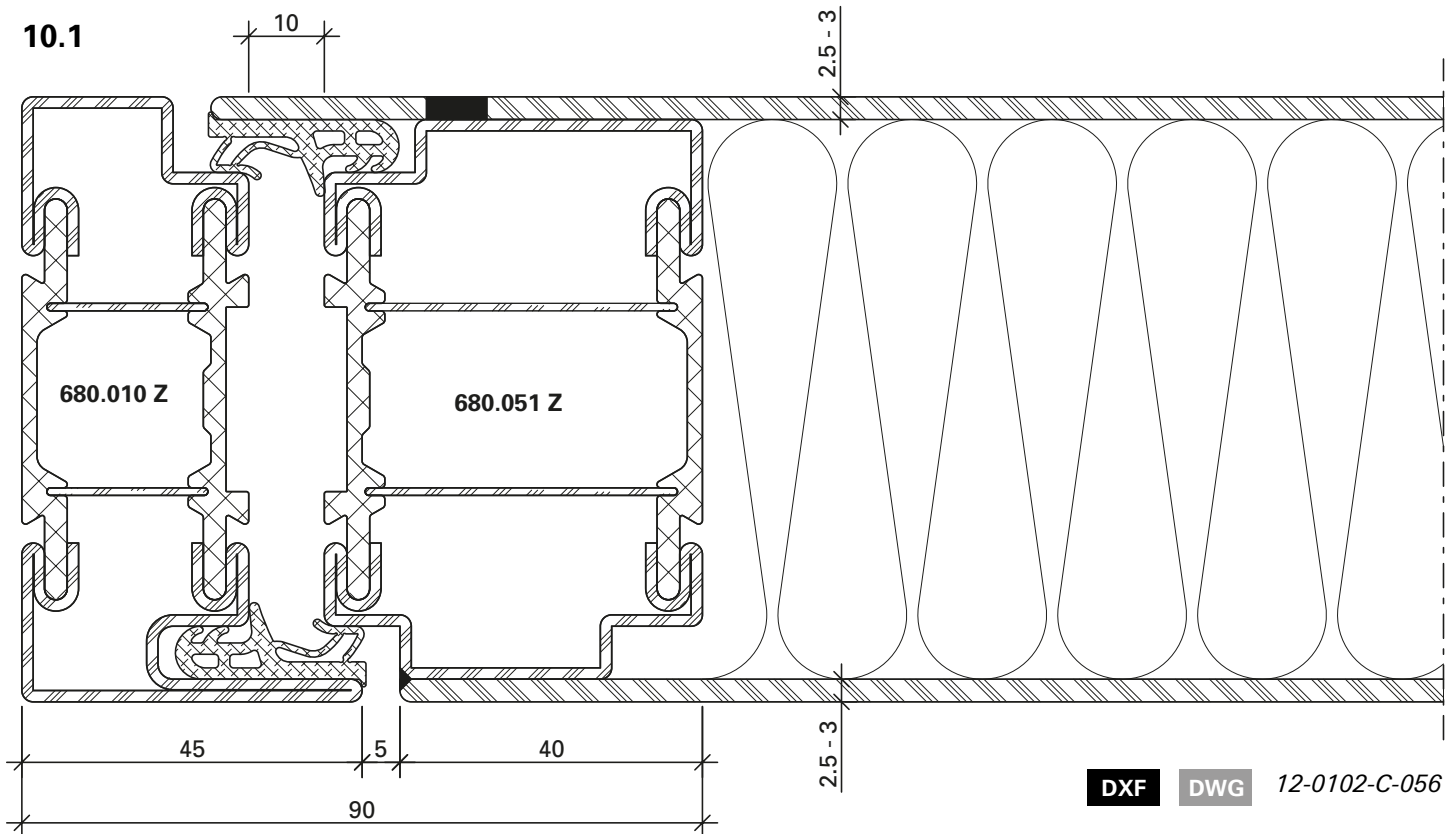
DXF **DWG** 12-0101-C-050

10.0



DXF DWG 12-0102-C-053

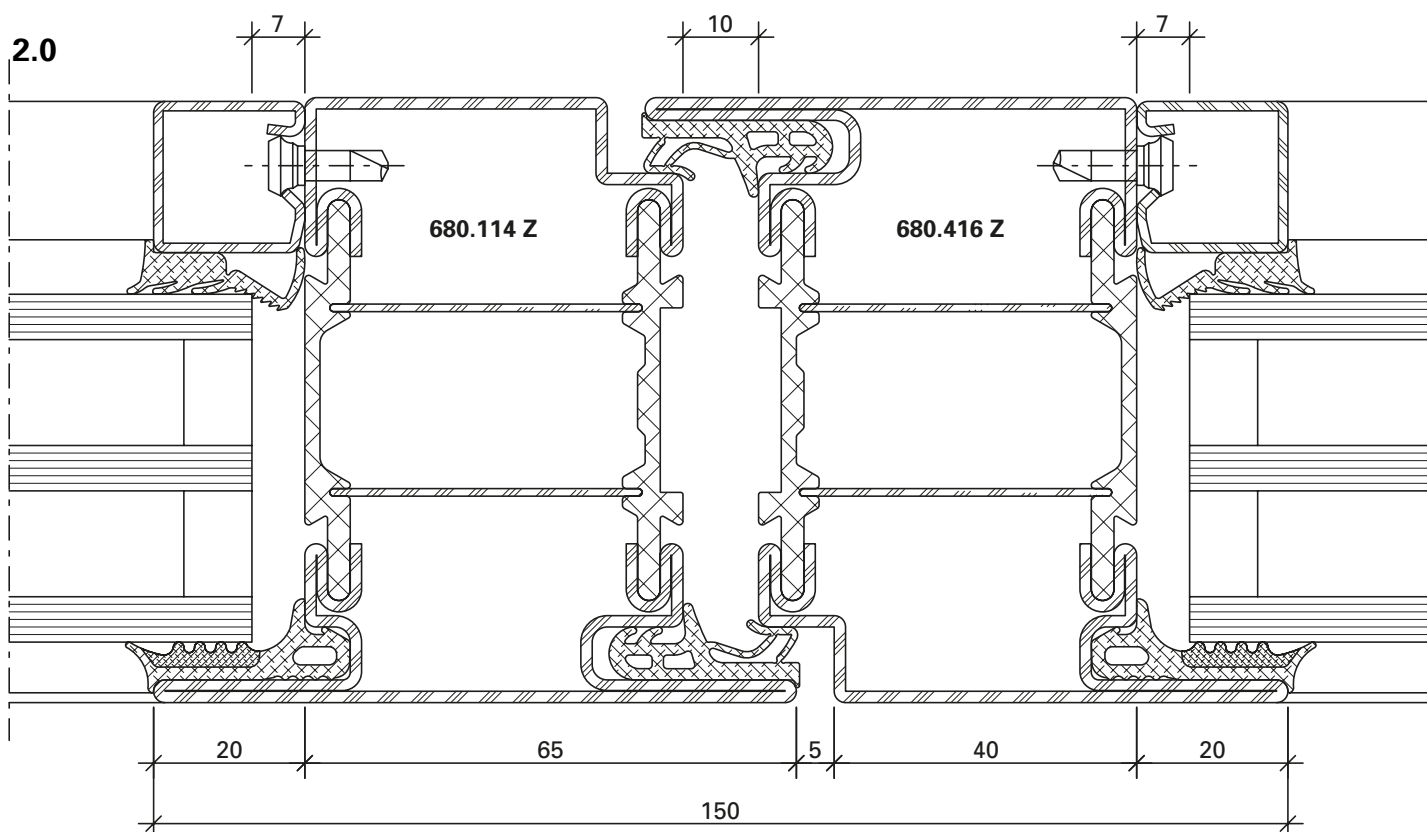
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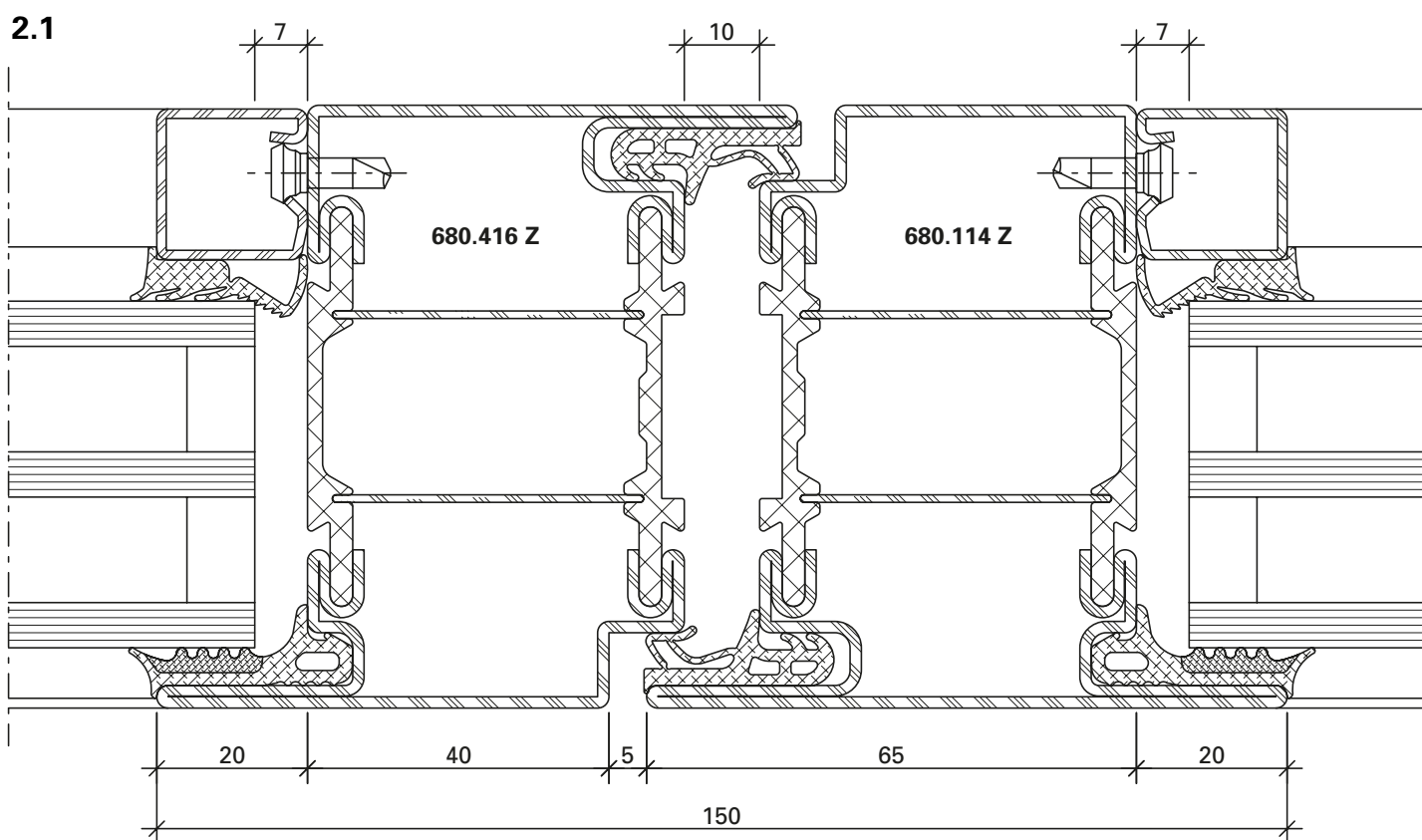
DXF DWG 12-0102-C-056

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors

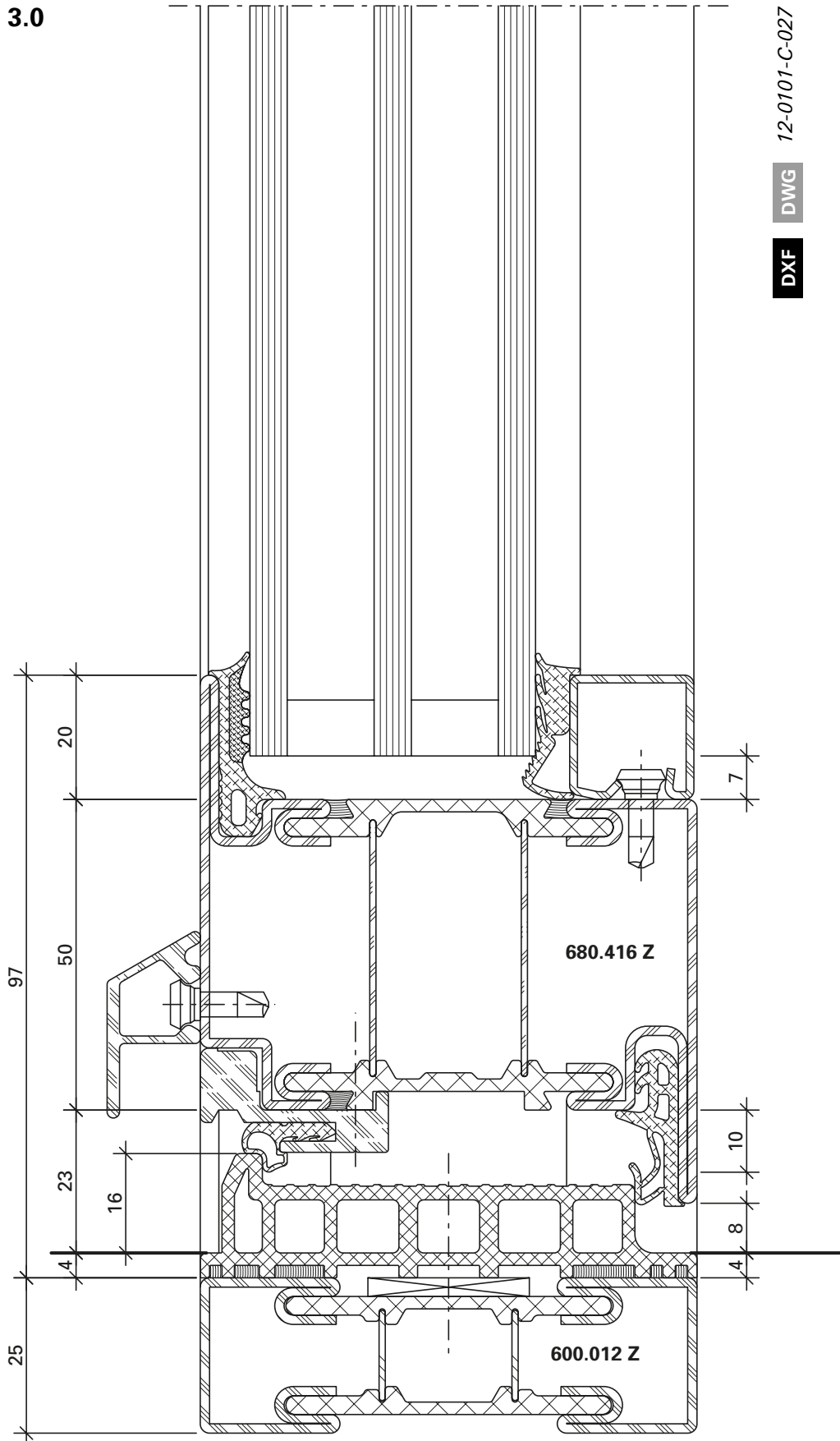


DXF DWG 12-0101-C-024



DXF DWG 12-0101-C-025

3.0

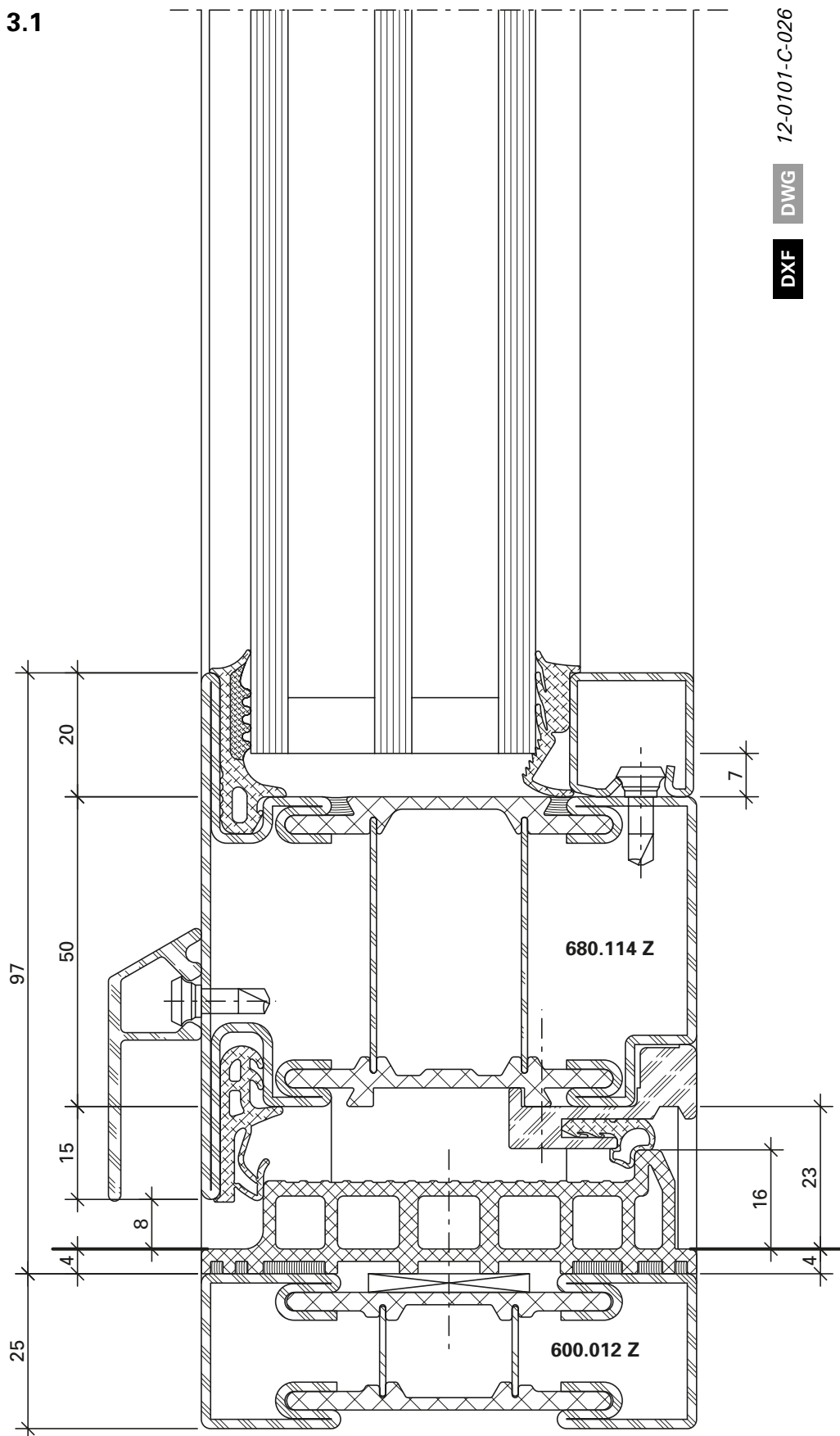


12-0101-C-027

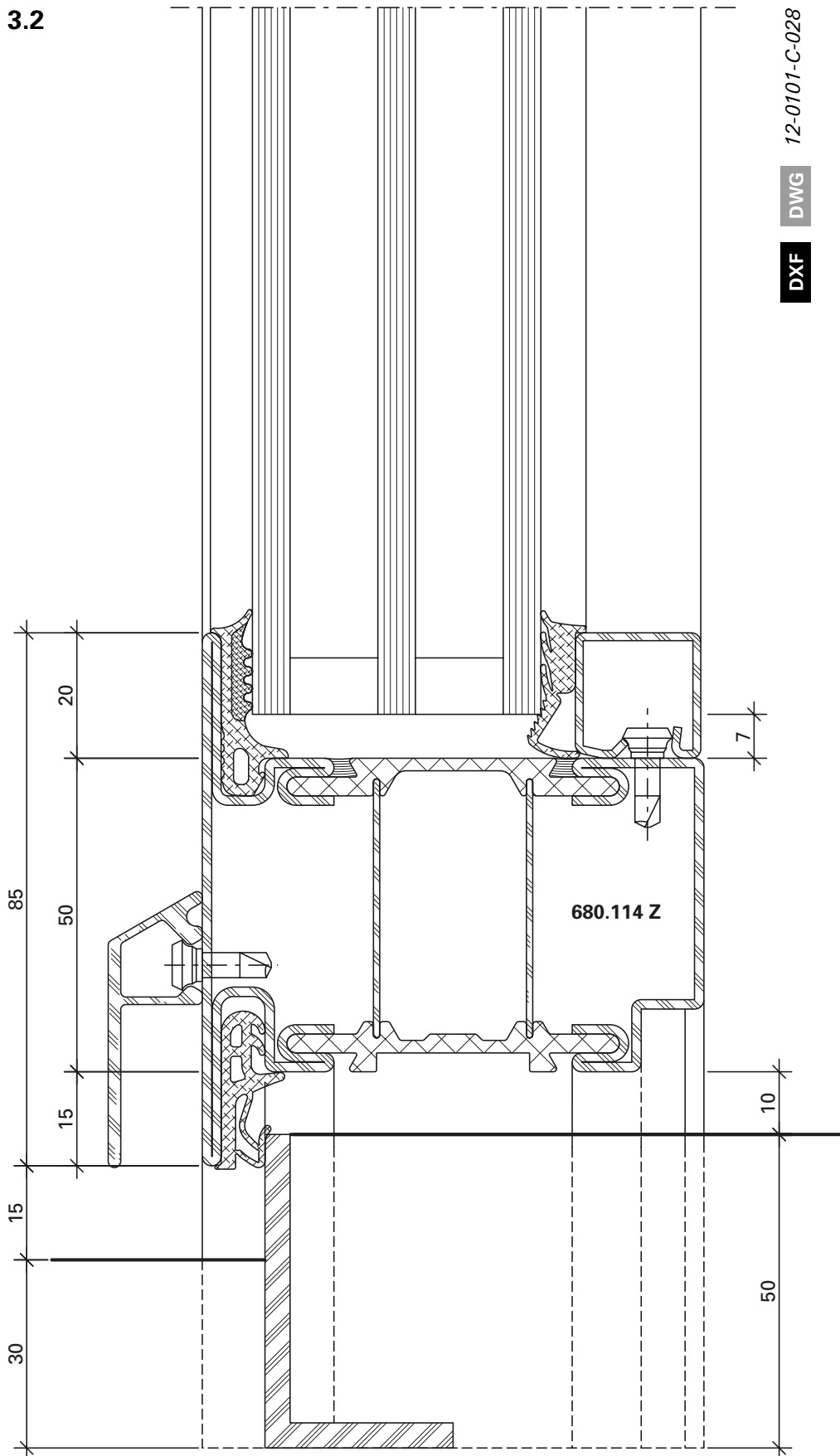
DWG

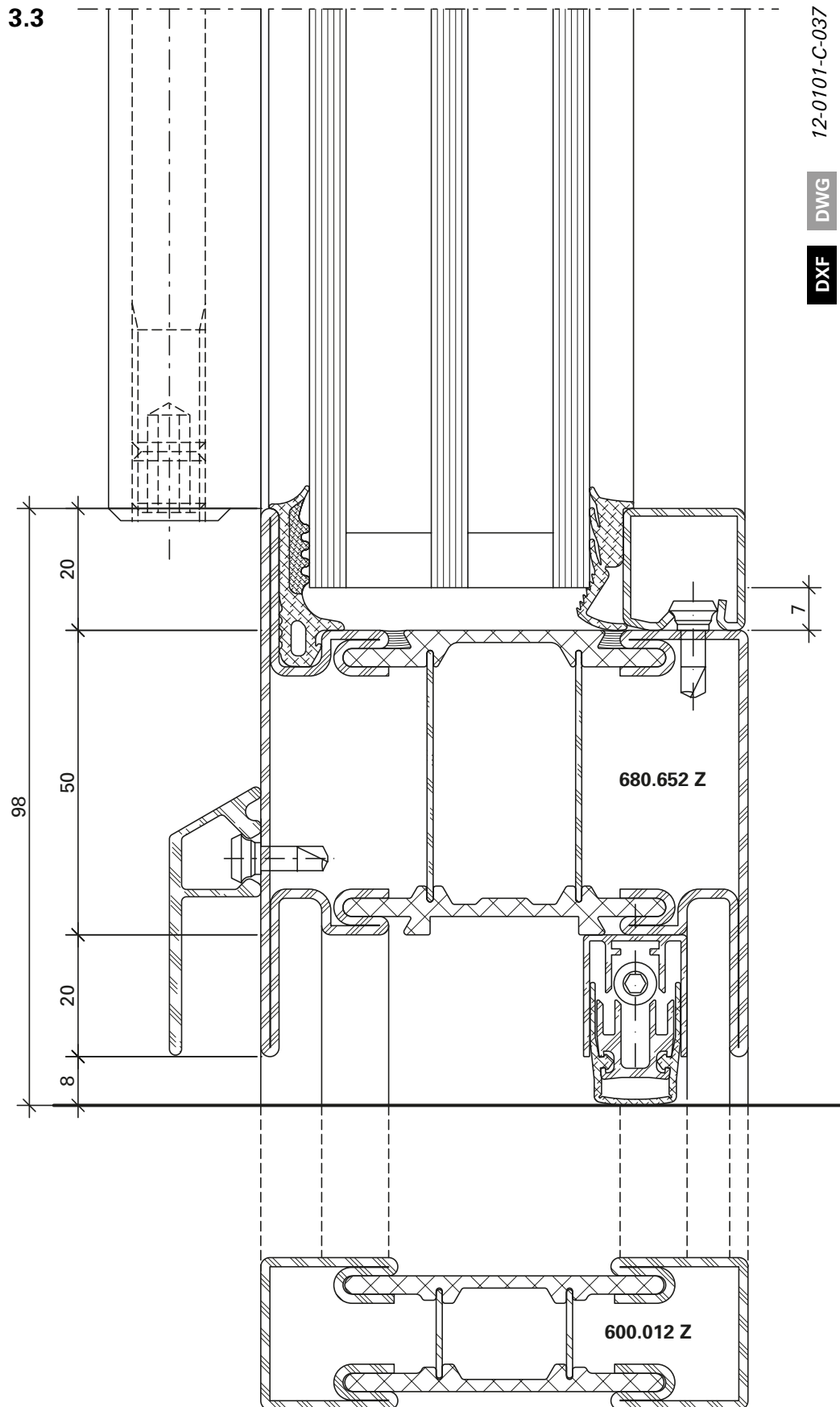
DXF

3.1

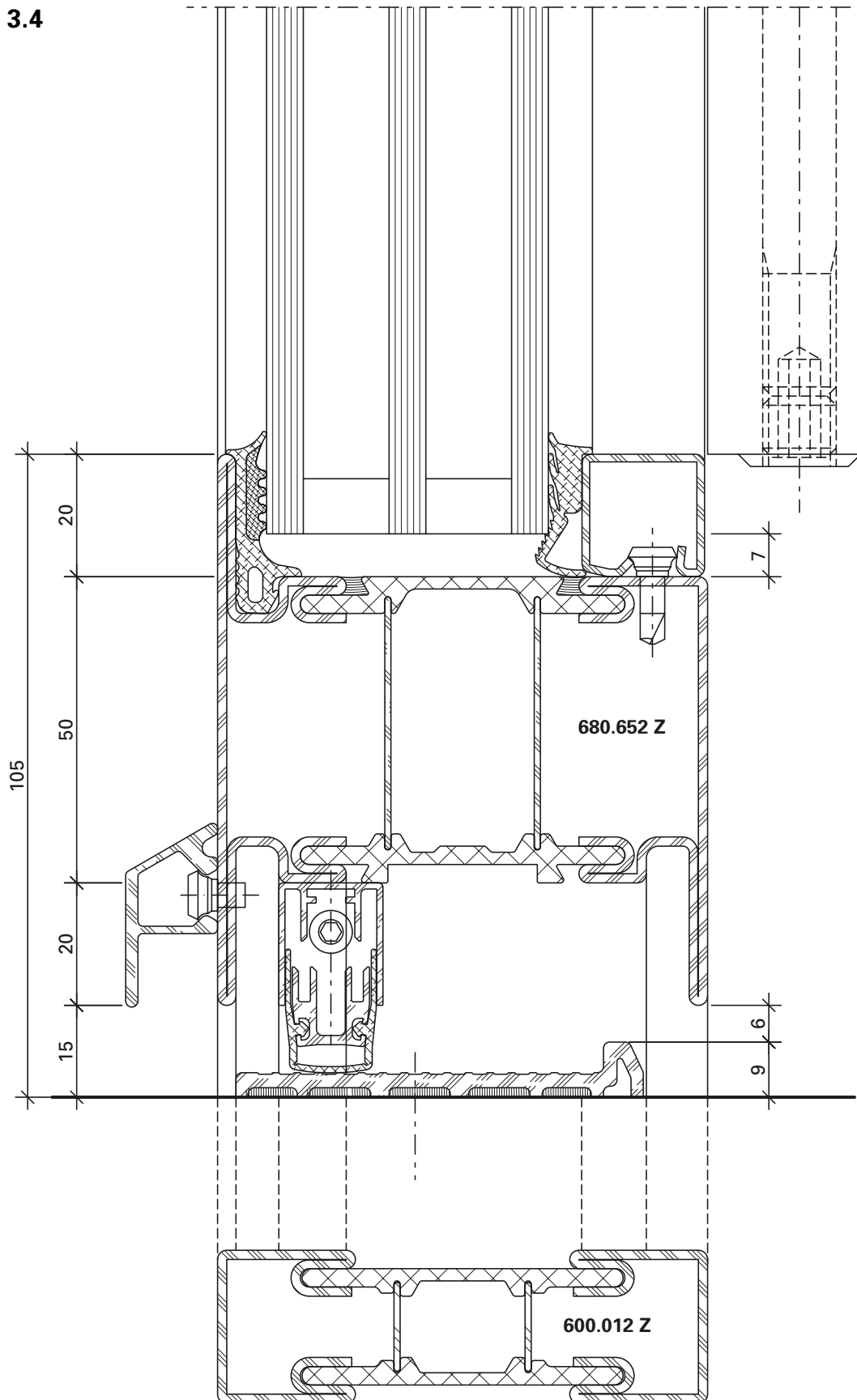


3.2





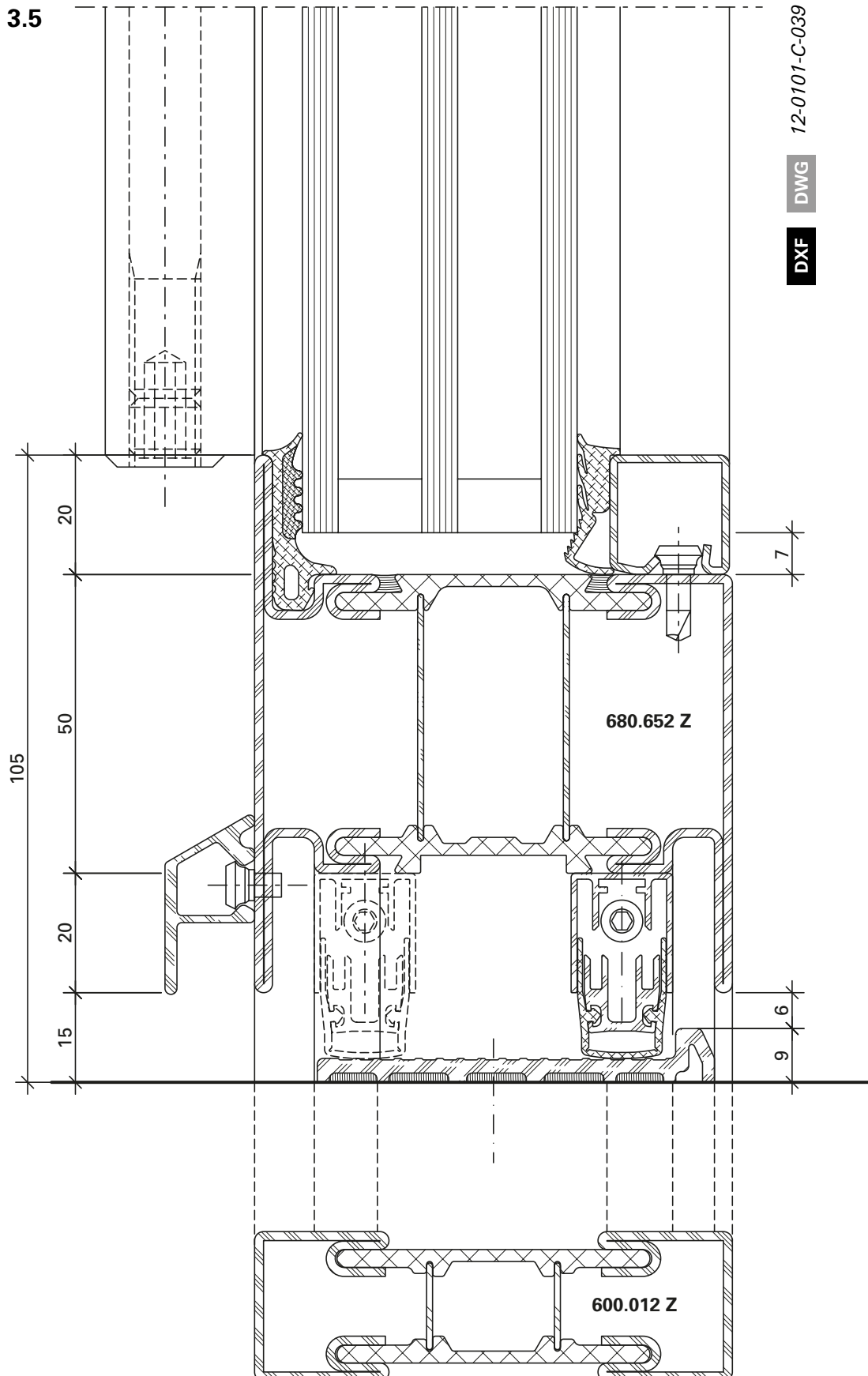
3.4



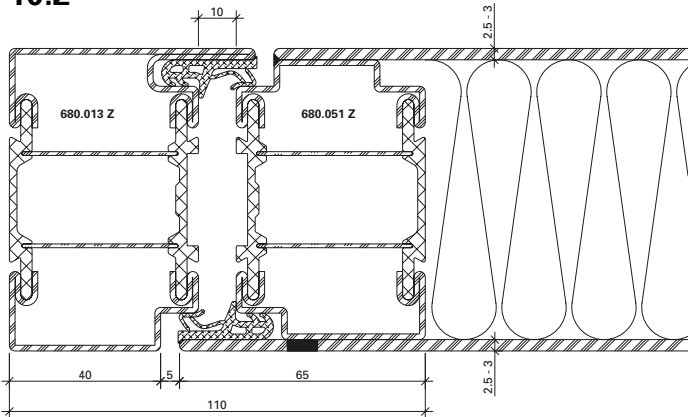
12-0101-C-038

DWG

DXF

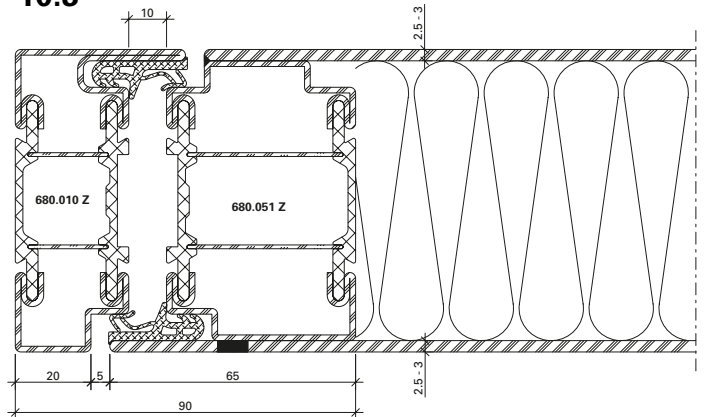


10.2



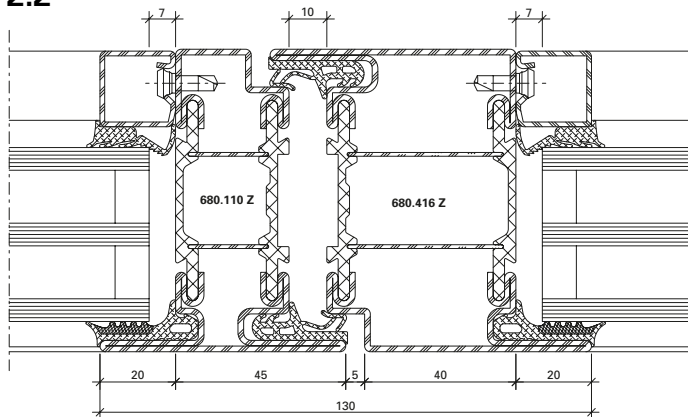
DXF **DWG** 12-0102-C-054

10.3



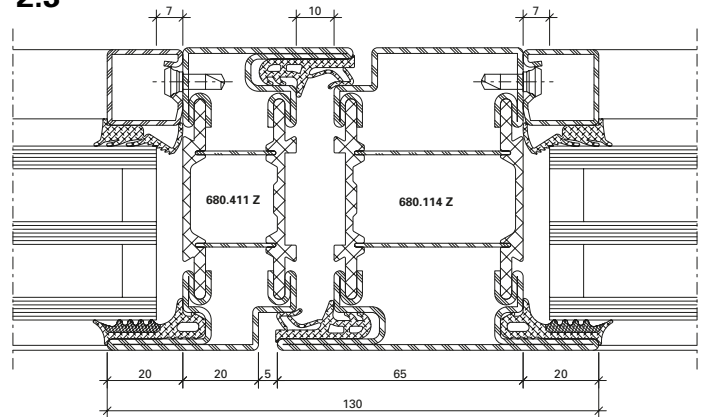
DXF **DWG** 12-0102-C-055

2.2



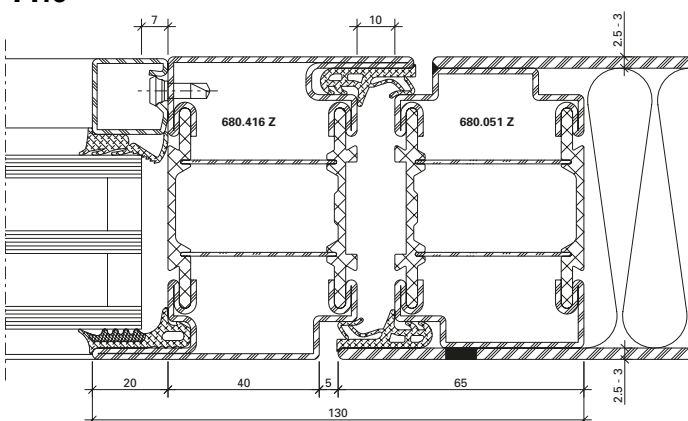
DXF **DWG** 12-0101-C-033

2.3



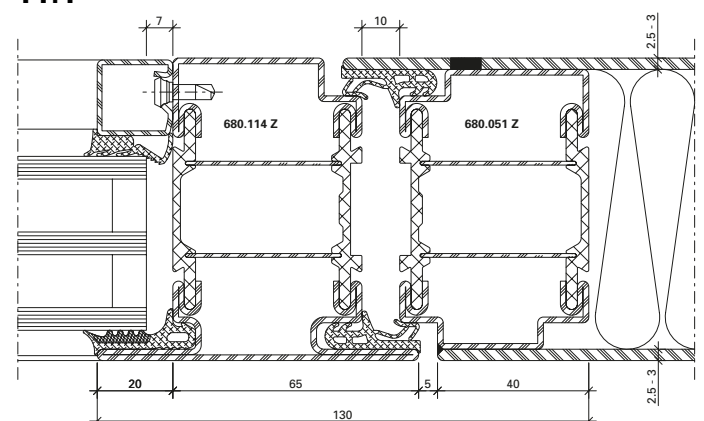
DXF **DWG** 12-0101-C-034

11.0



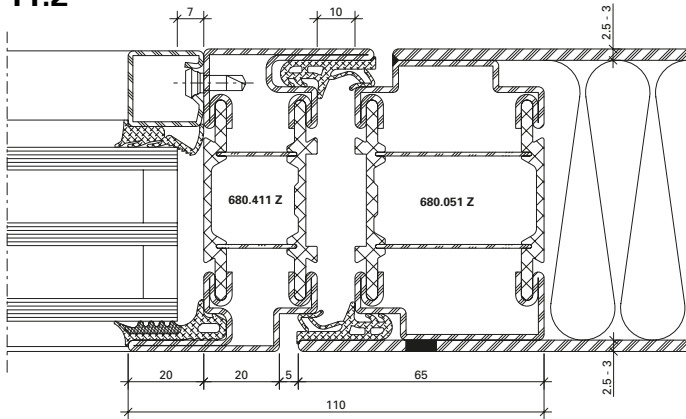
DXF **DWG** 12-0102-C-059

11.1



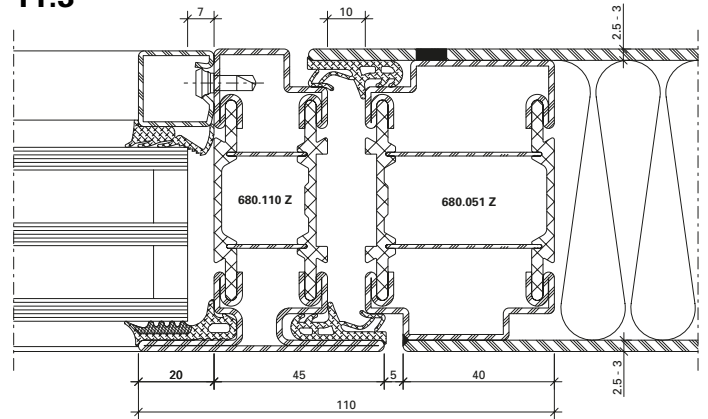
DXF **DWG** 12-0102-C-060

11.2



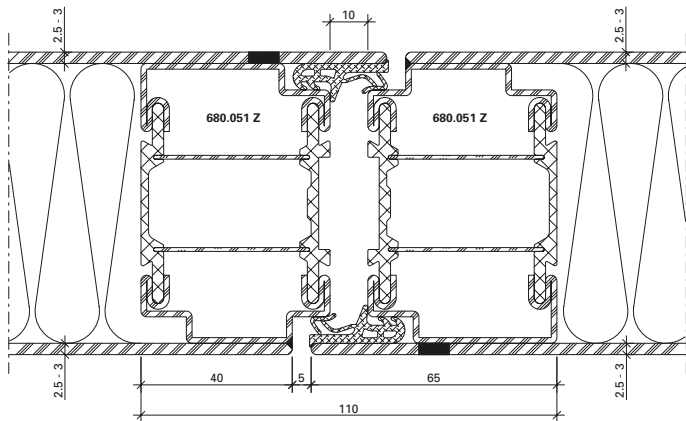
DXF **DWG** 12-0102-C-061

11.3



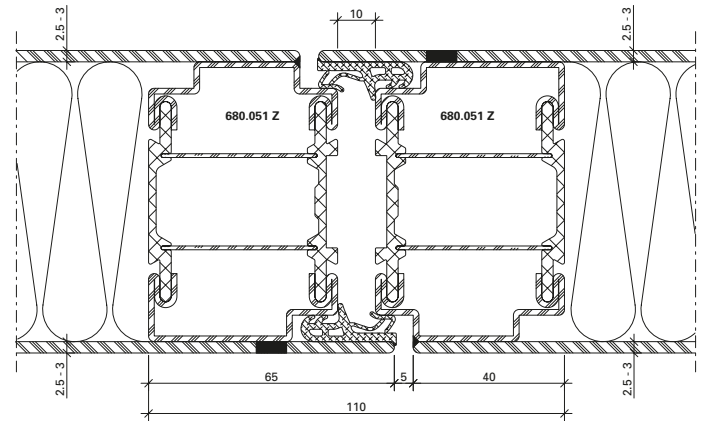
DXF **DWG** 12-0102-C-062

12.0



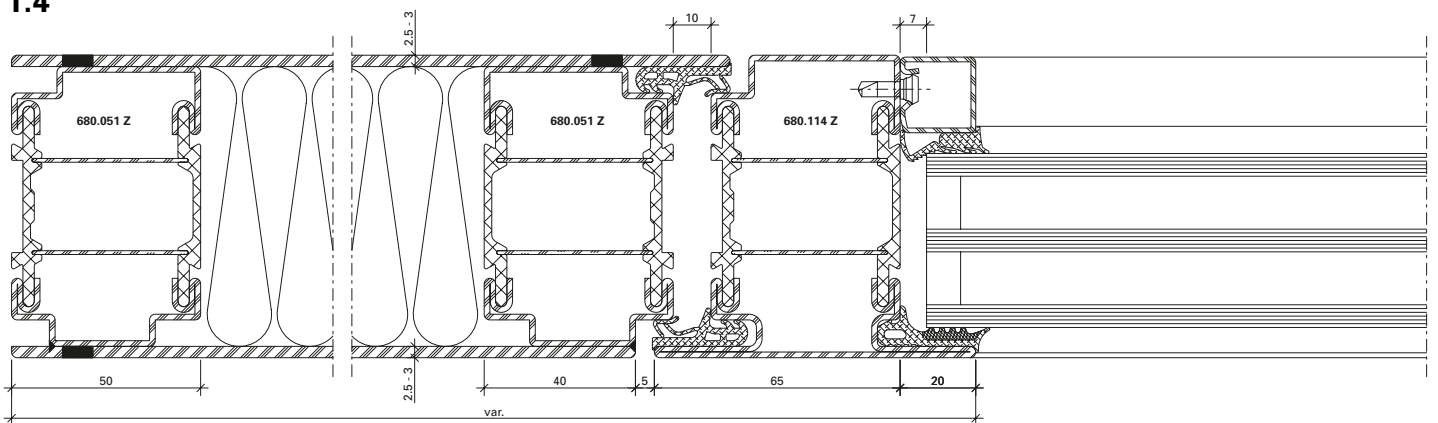
DXF **DWG** 12-0102-C-057

12.1



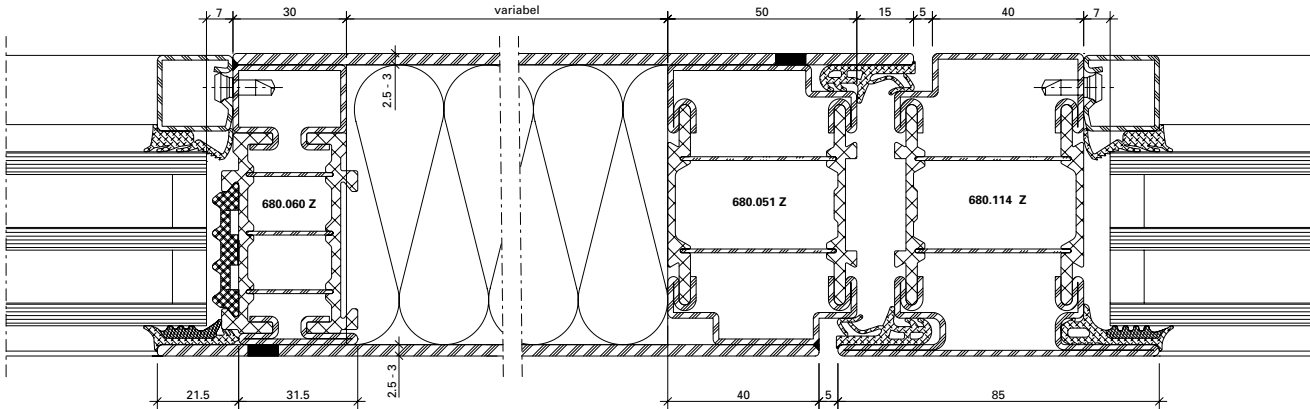
DXF **DWG** 12-0102-C-058

1.4



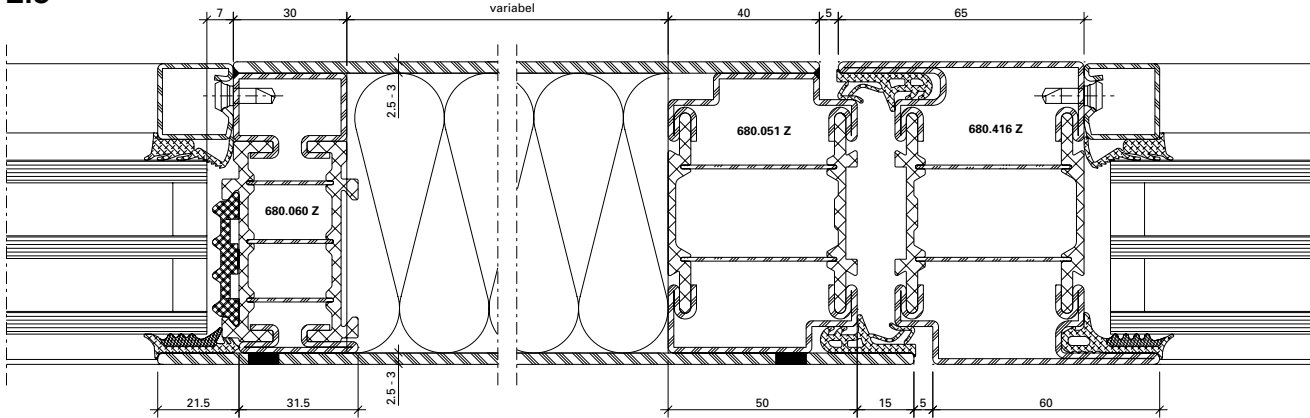
DXF **DWG** 12-0101-C-029

2.4



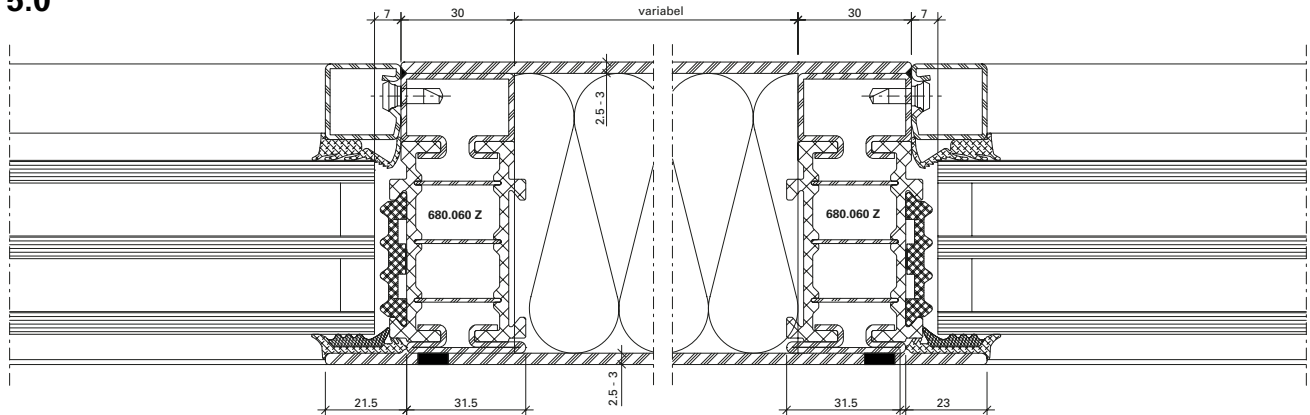
DXF DWG 12-0102-C-063

2.5



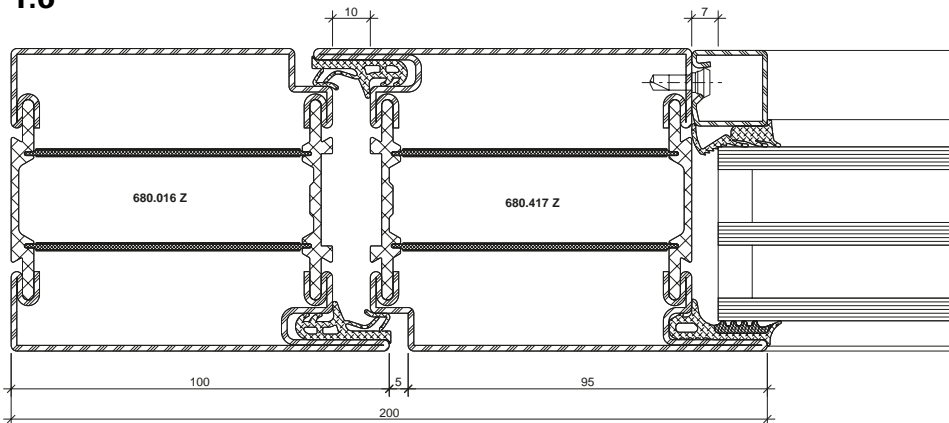
DXF DWG 12-0102-C-064

5.0



DXF DWG 12-0102-C-065

1.6

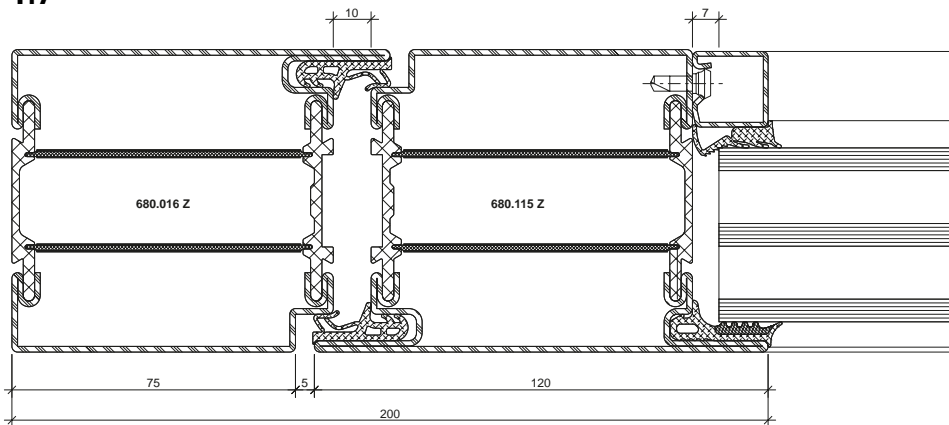


DXF

DWG

12-0101-C-043

1.7

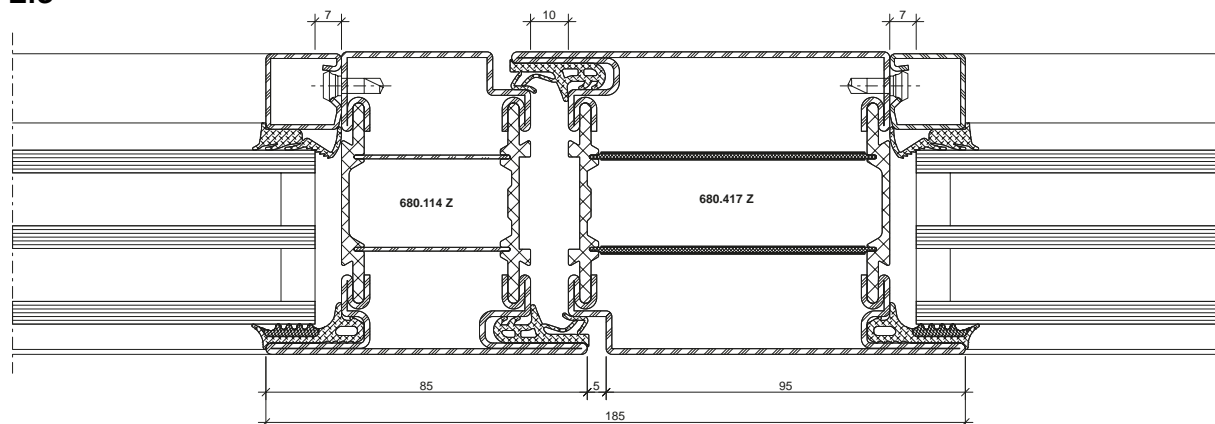


DXF

DWG

12-0101-C-044

2.6

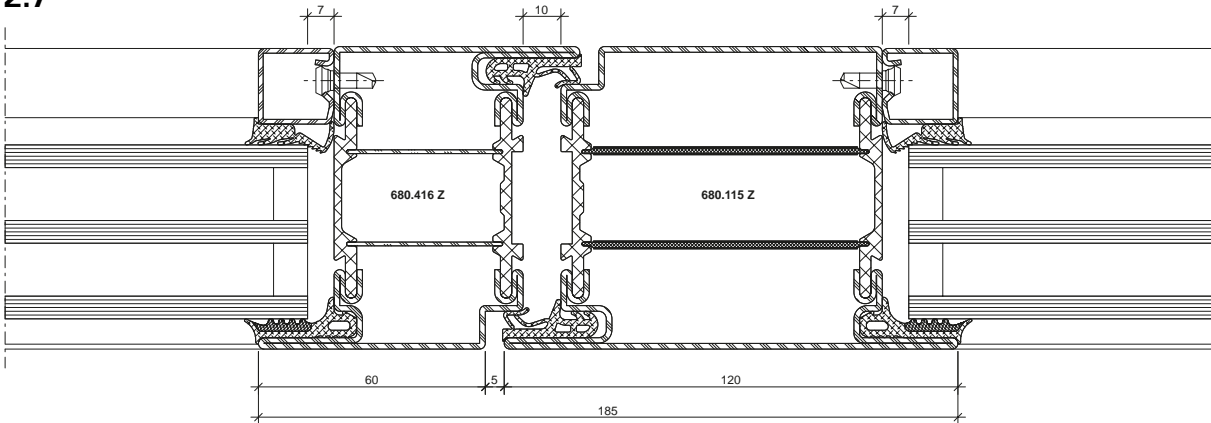


DXF

DWG

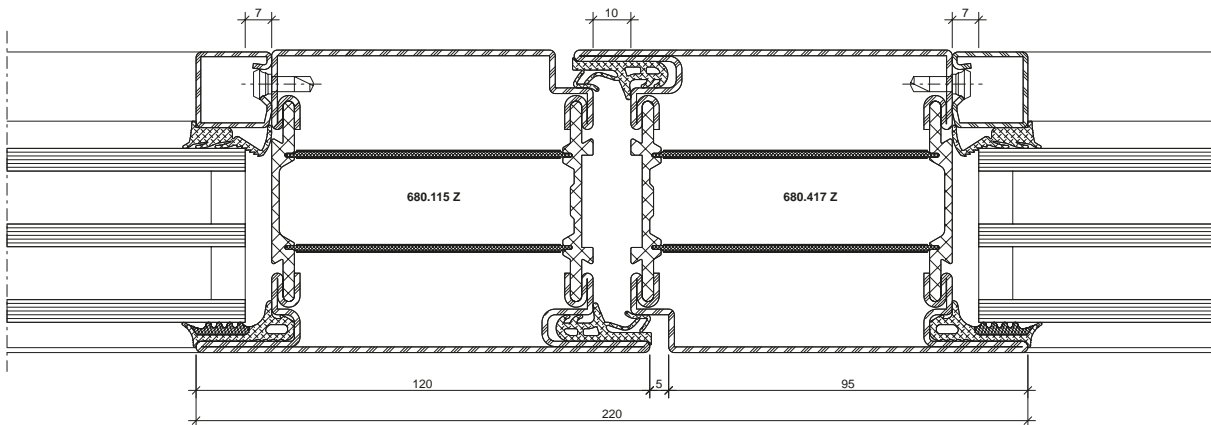
12-0101-C-045

2.7



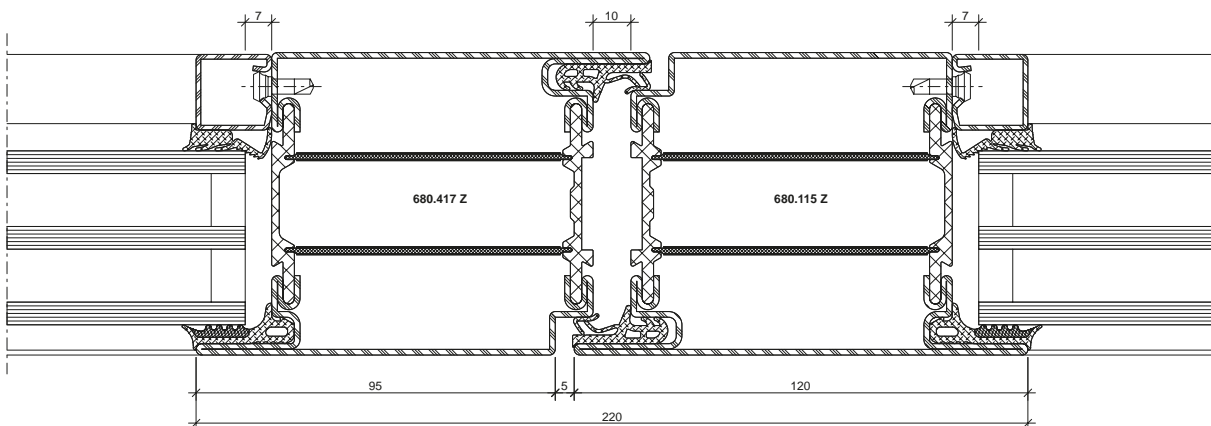
DXF DWG 12-0101-C-046

2.8



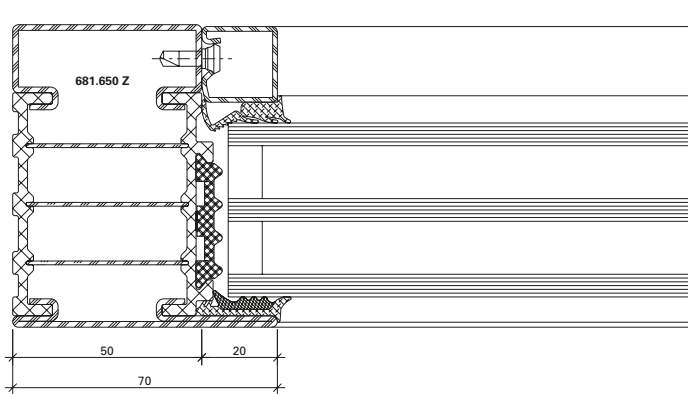
DXF DWG 12-0101-C-047

2.9



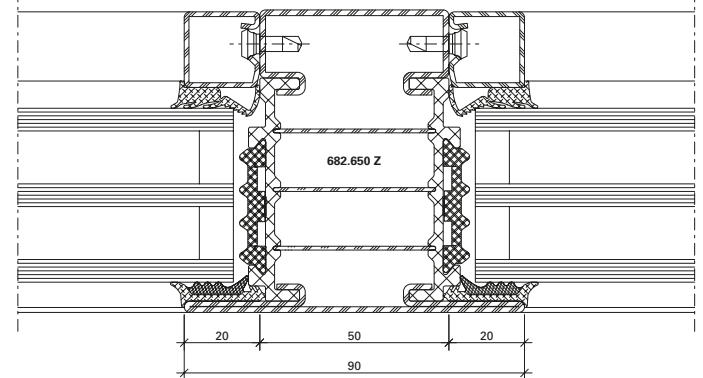
DXF DWG 12-0101-C-048

4.0



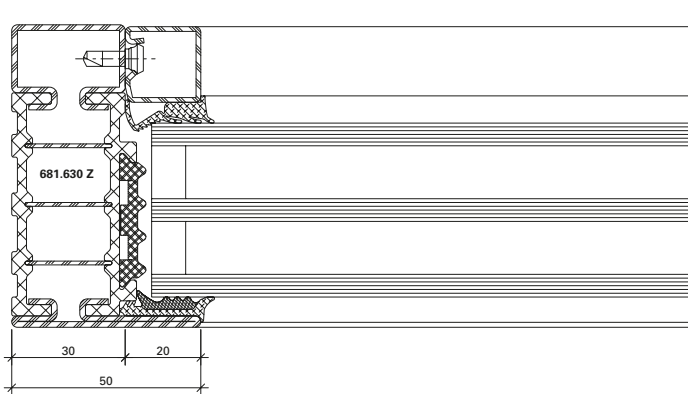
DXF **DWG** 12-0201-C-012

5.1



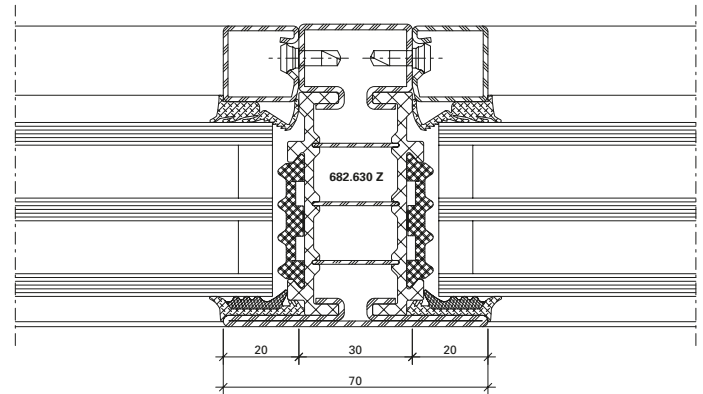
DXF **DWG** 12-0201-C-014

4.1



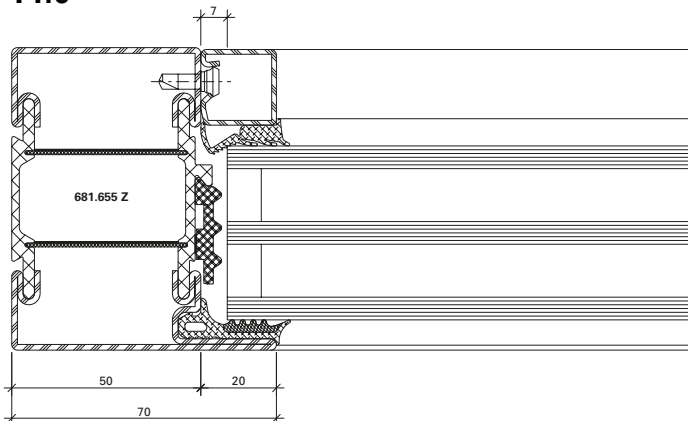
DXF **DWG** 12-0201-C-013

5.2



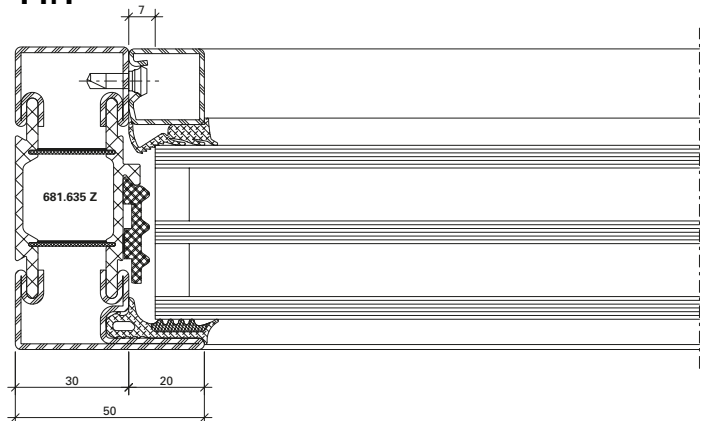
DXF **DWG** 12-0201-C-015

14.0

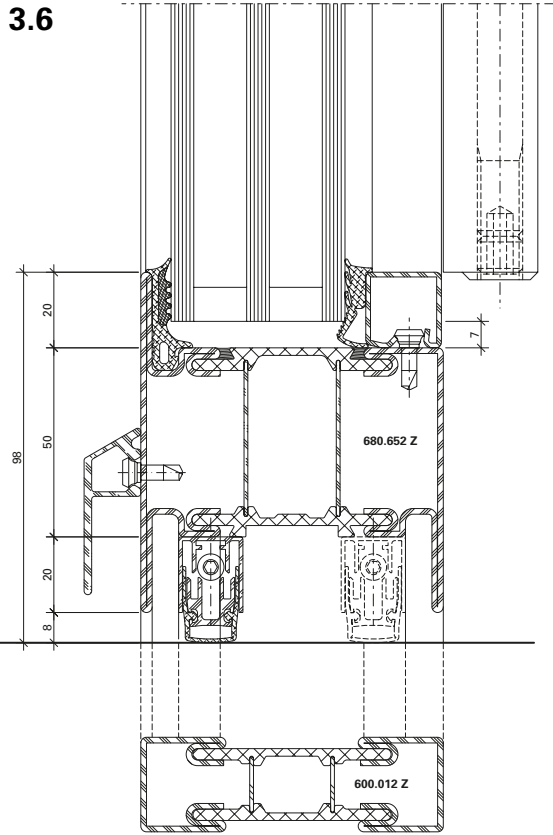


DXF **DWG** 12-0204-C-003

14.1



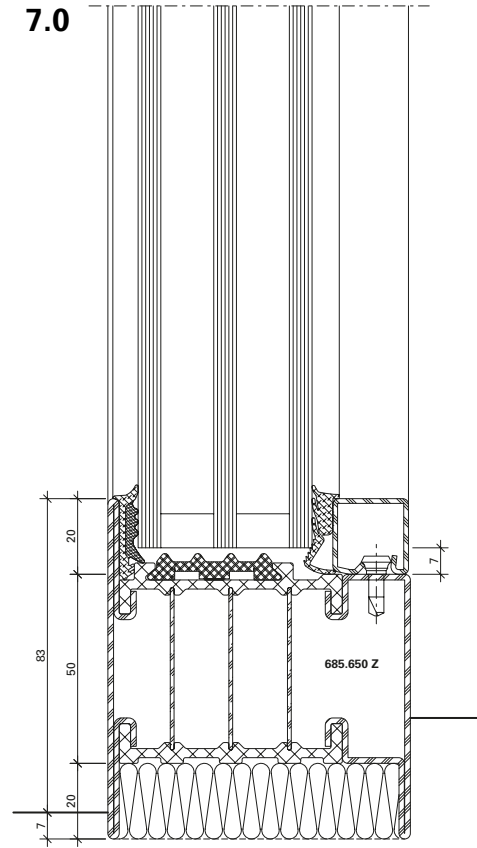
DXF **DWG** 12-0204-C-004



12-0101-C-040

DWG

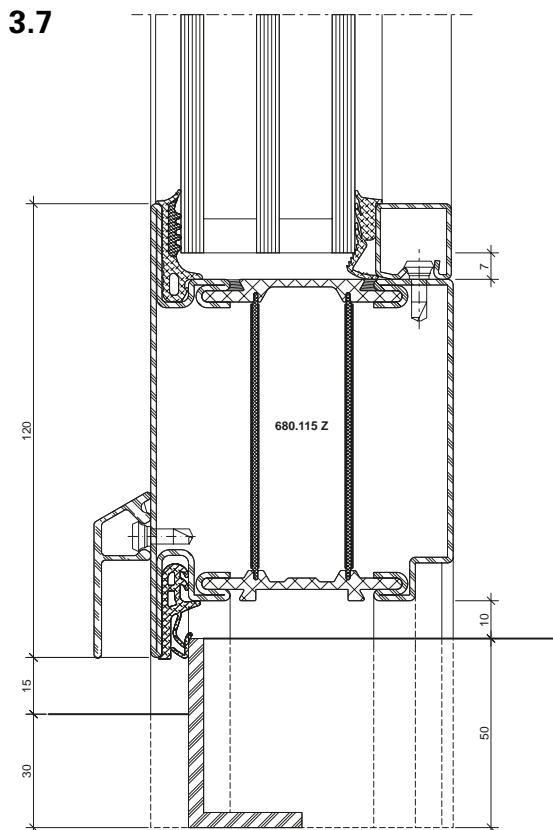
DXF



12-0101-C-012

DWG

DXF

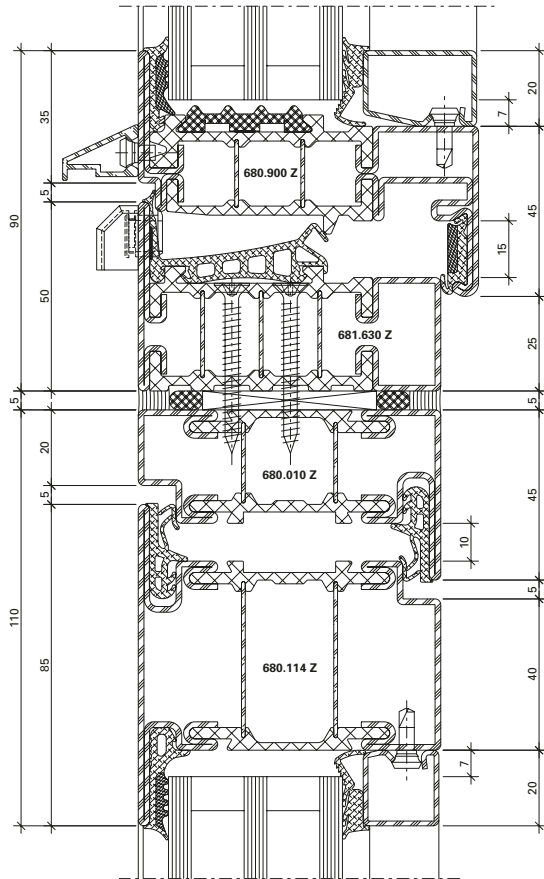


12-0101-C-049

DWG

DXF

8.0

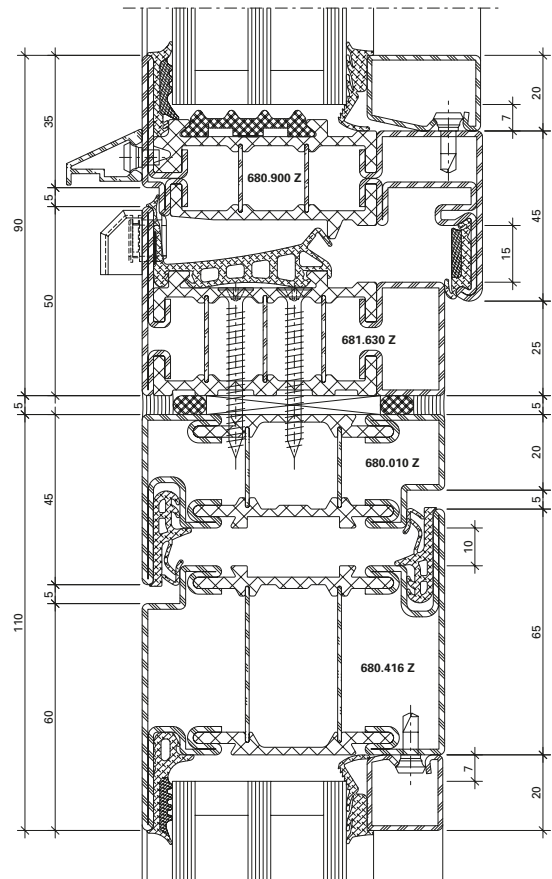


DWG 12-0101-C-035

DWG

DXF

8.1

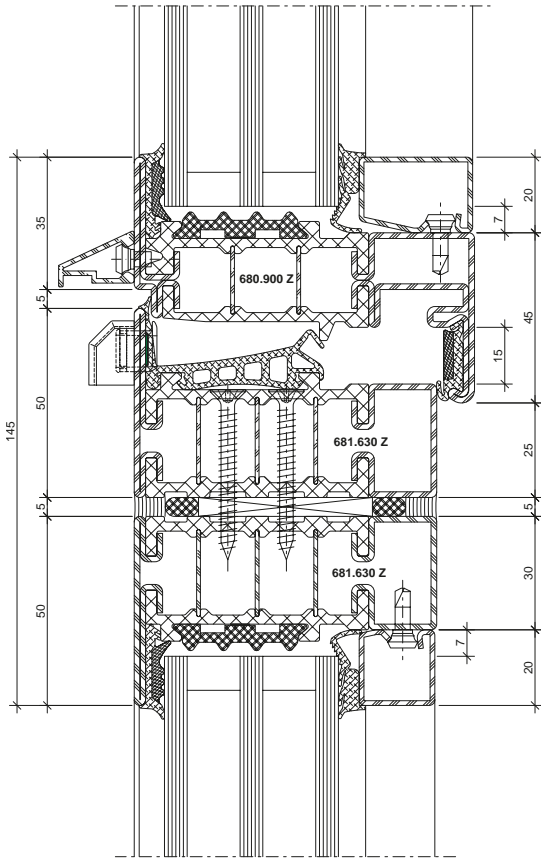


DWG 12-0101-C-036

DWG

DXF

9.0

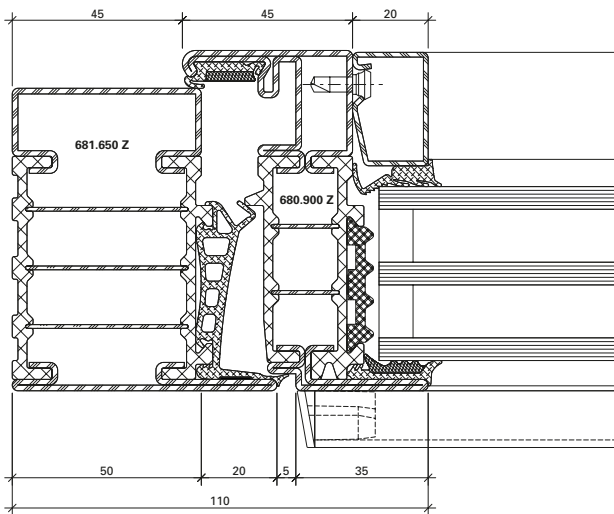


12-0101-C-041

DWG

DXF

6.0

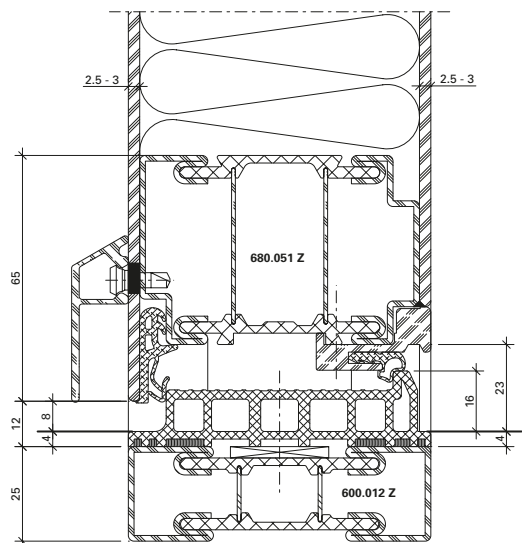


DXF

DWG

12-0201-C-001

13.0

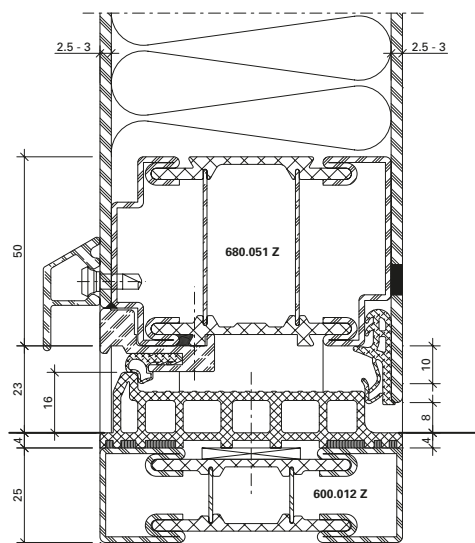


12-0102-C-067

DWG

DXF

13.1

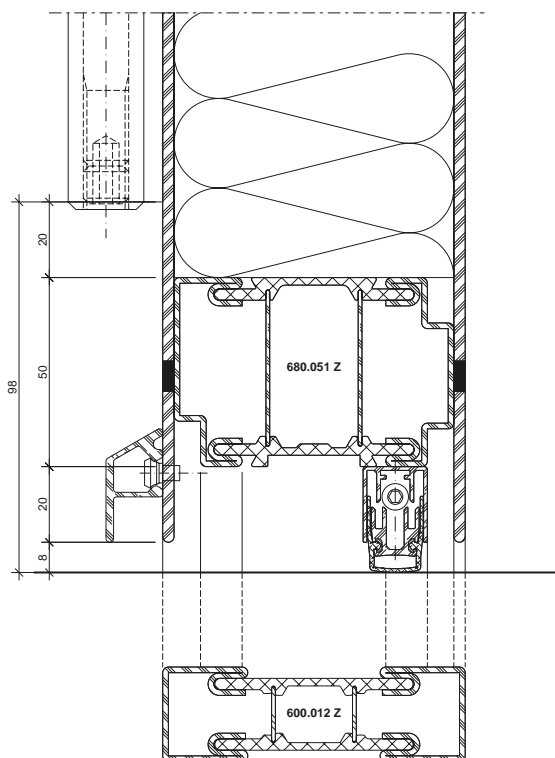


12-0102-C-066

DWG

DXF

13.2



12-0102-C-023

DWG

DXF

Glasleisten-Varianten im Massstab 1:2

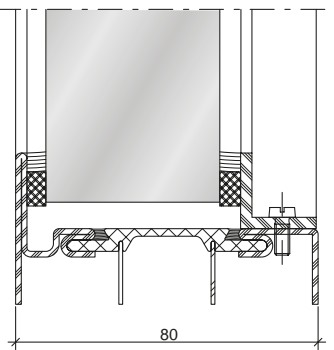
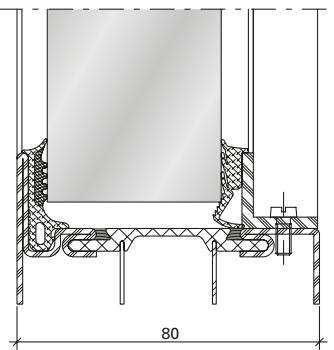
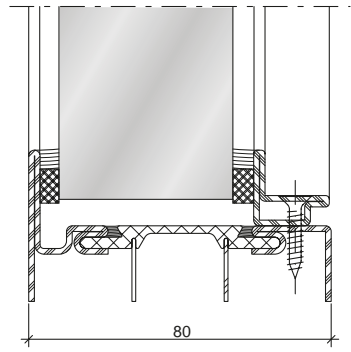
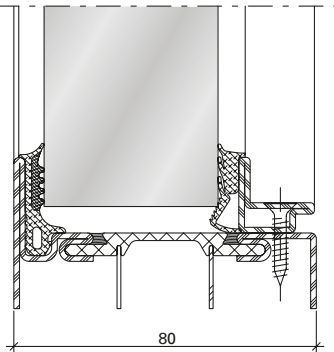
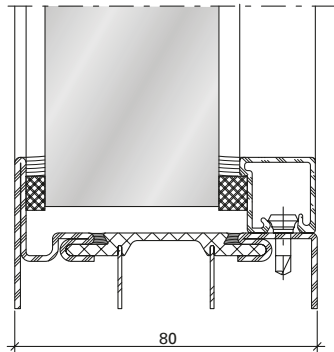
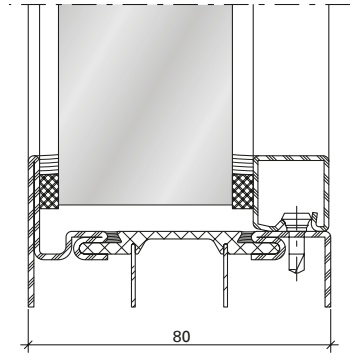
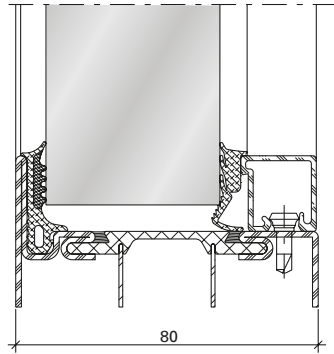
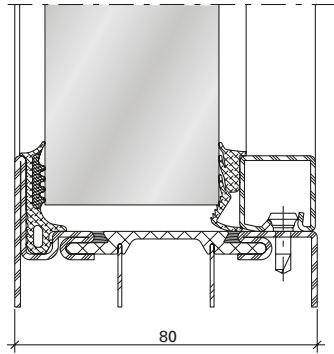
Variantes de parcloses à l'échelle 1:2

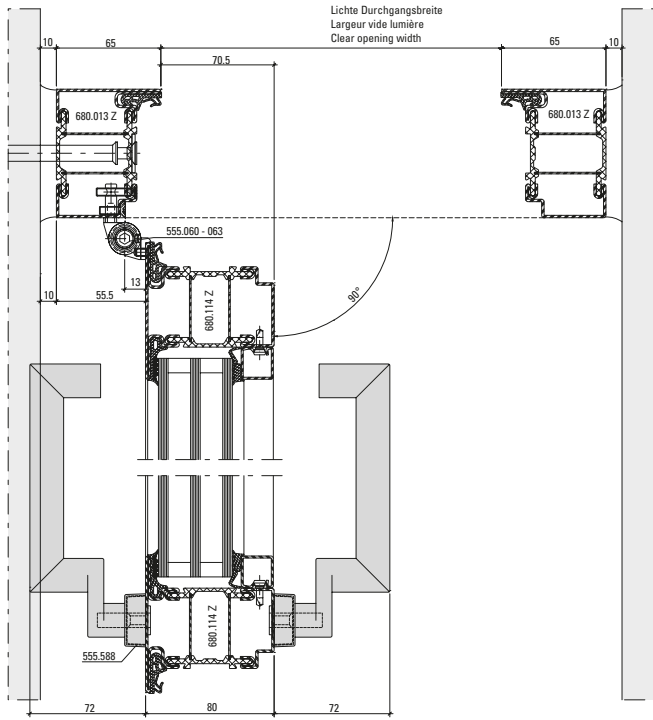
Glazing bead options on scale 1:2

Janisol HI Türen

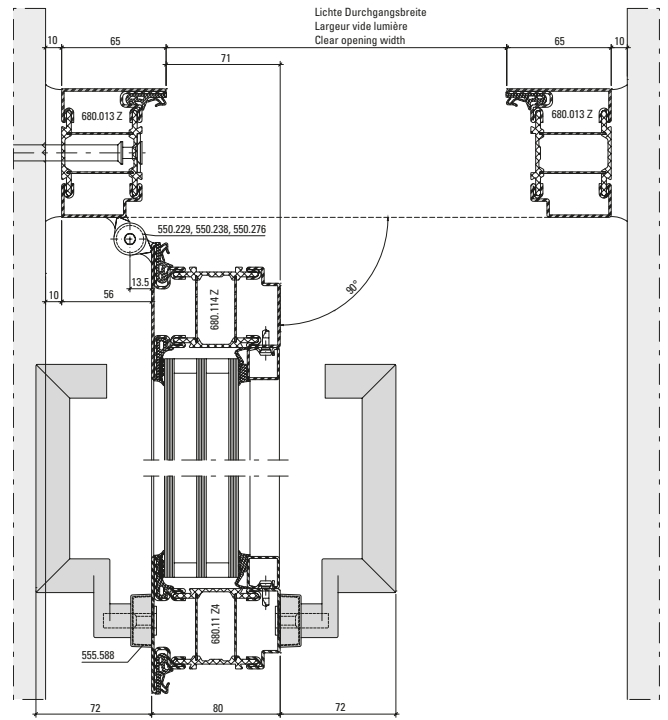
Janisol HI portes

Janisol HI doors

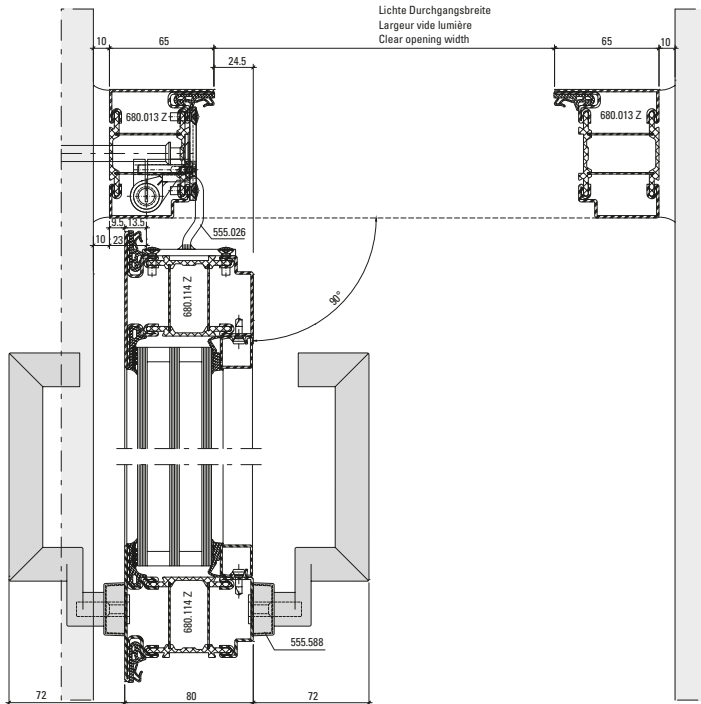




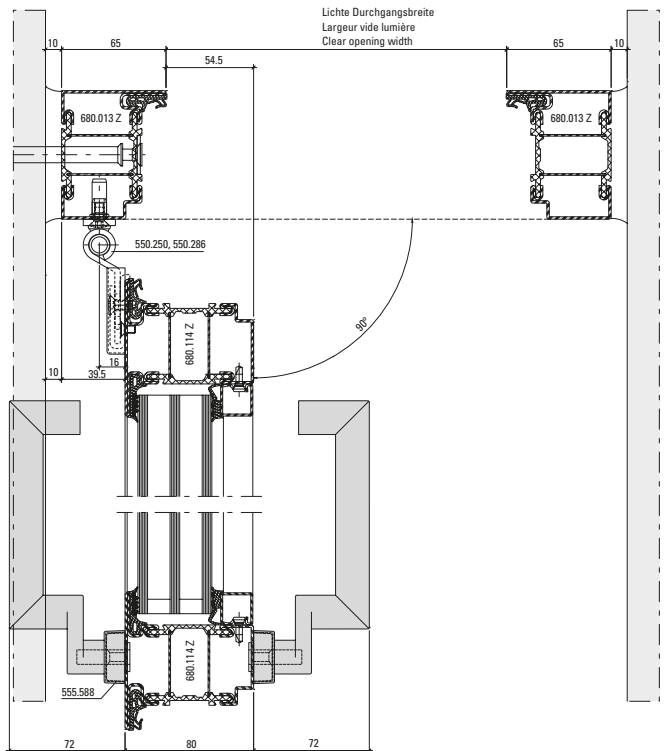
DXF **DWG** 12-0101-E-043



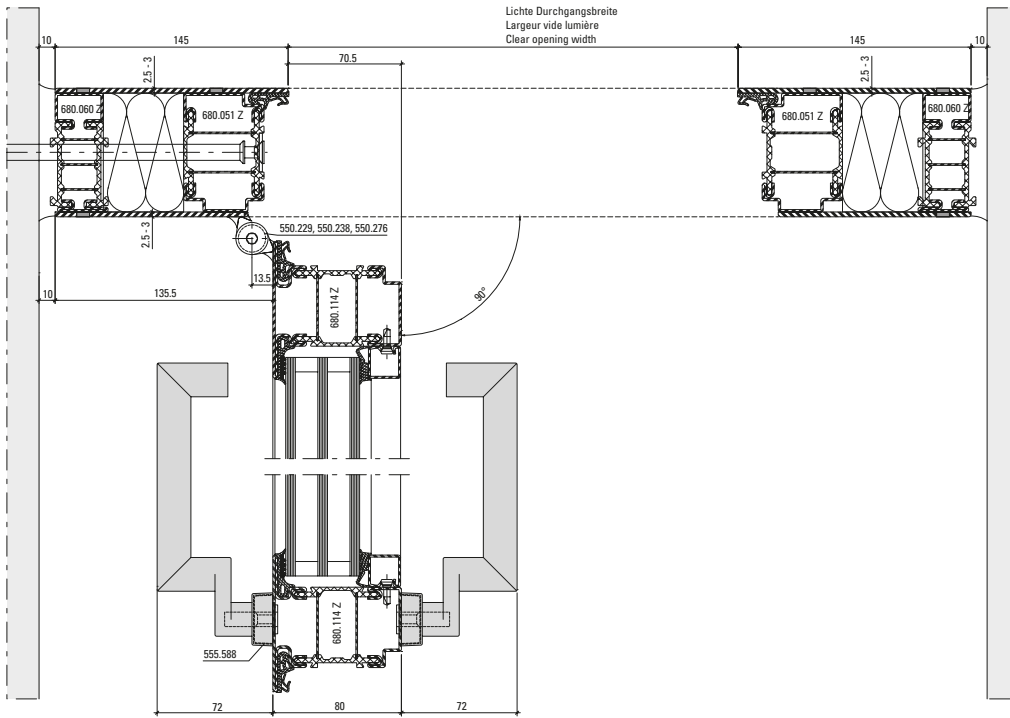
DXF **DWG** 12-0101-E-044



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



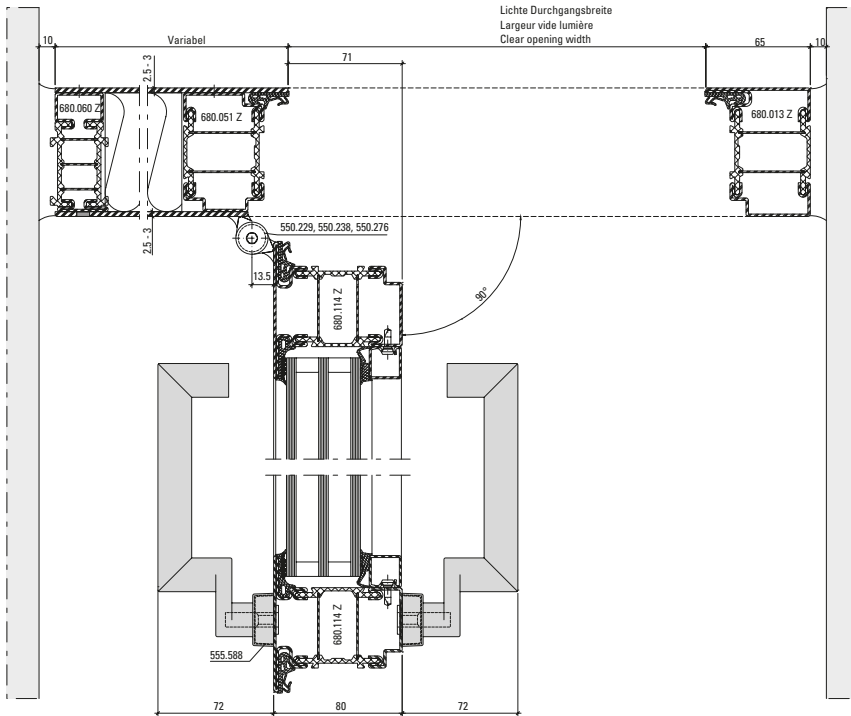
DXF **DWG** 12-0101-E-046



DXF

DWG

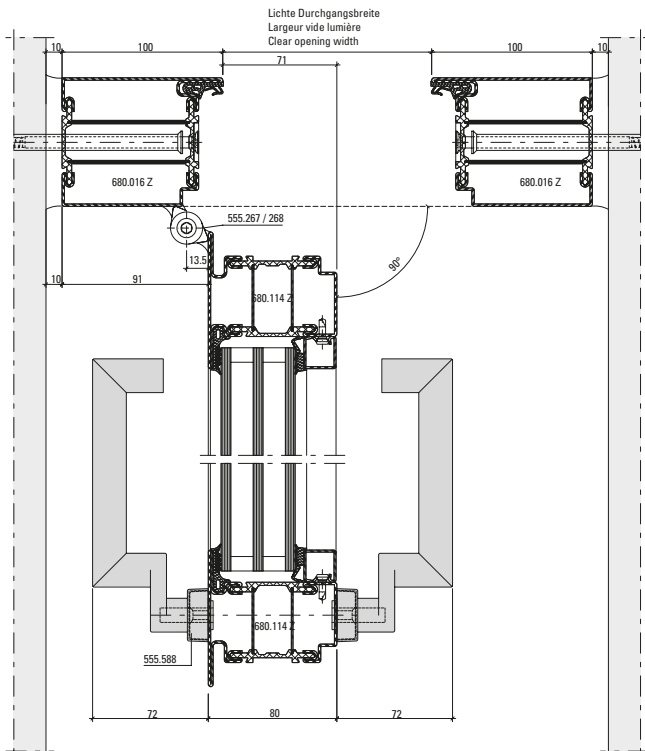
12-0101-E-047



DXF

DWG

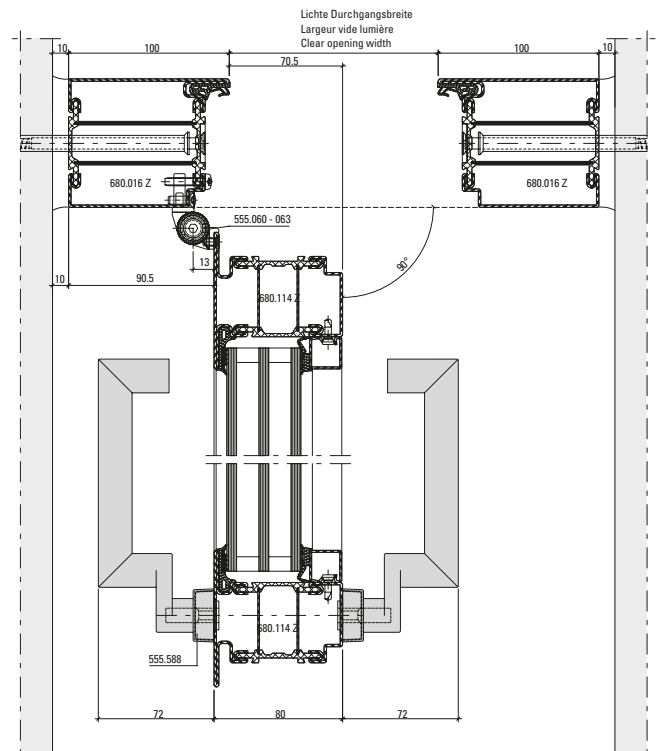
12-0101-E-048



DXF

DWG

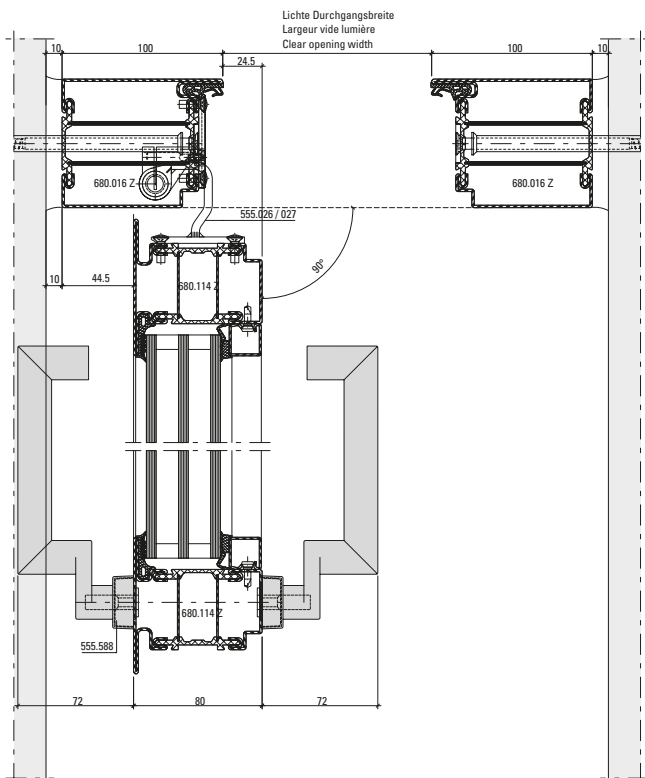
12-0101-E-063



DXF

DWG

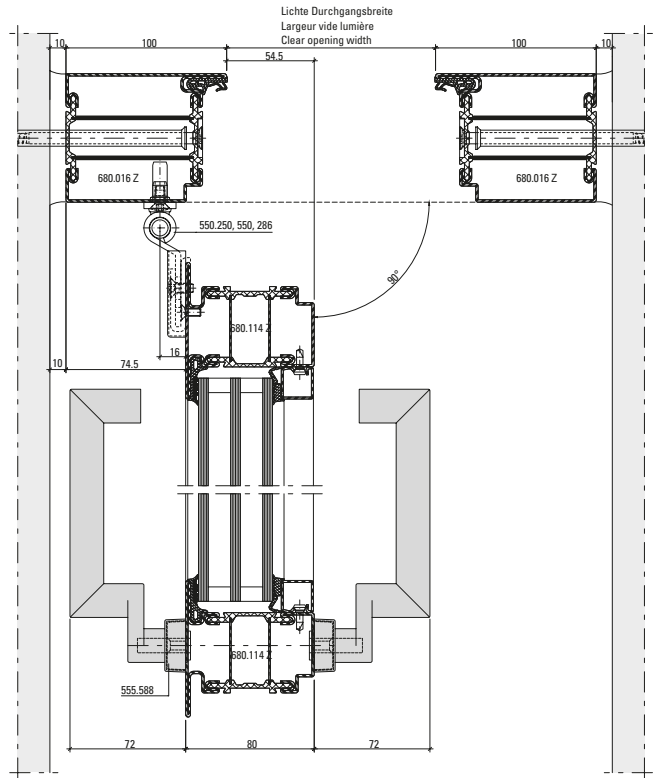
12-0101-E-064



DXF

DWG

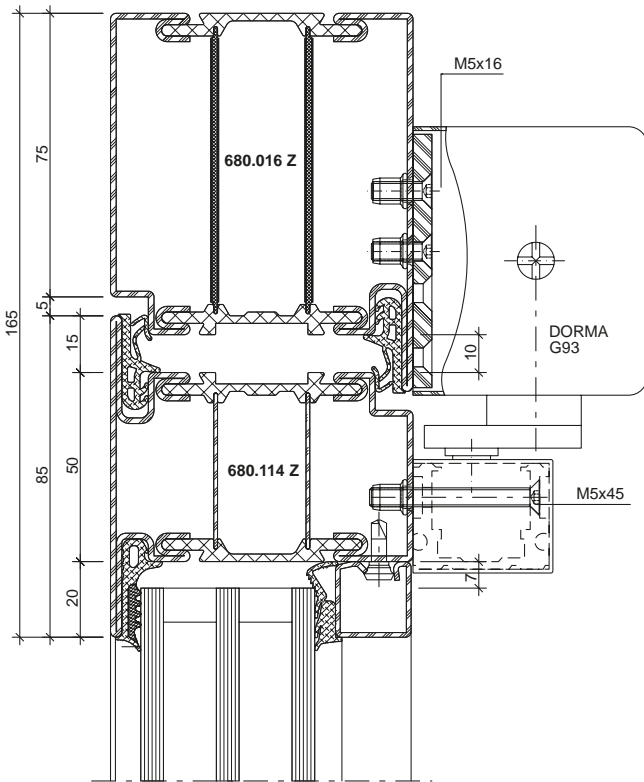
12-0101-E-065



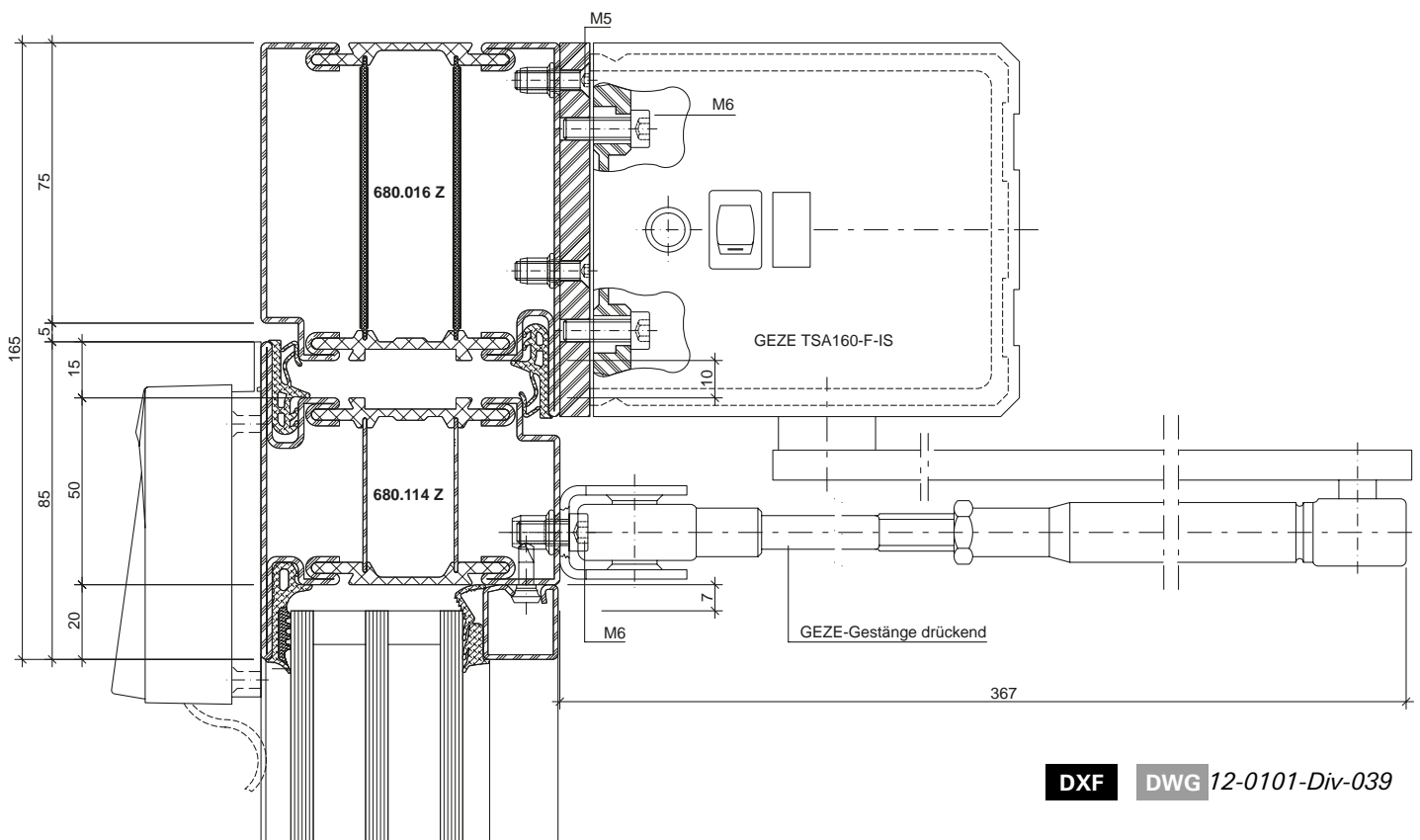
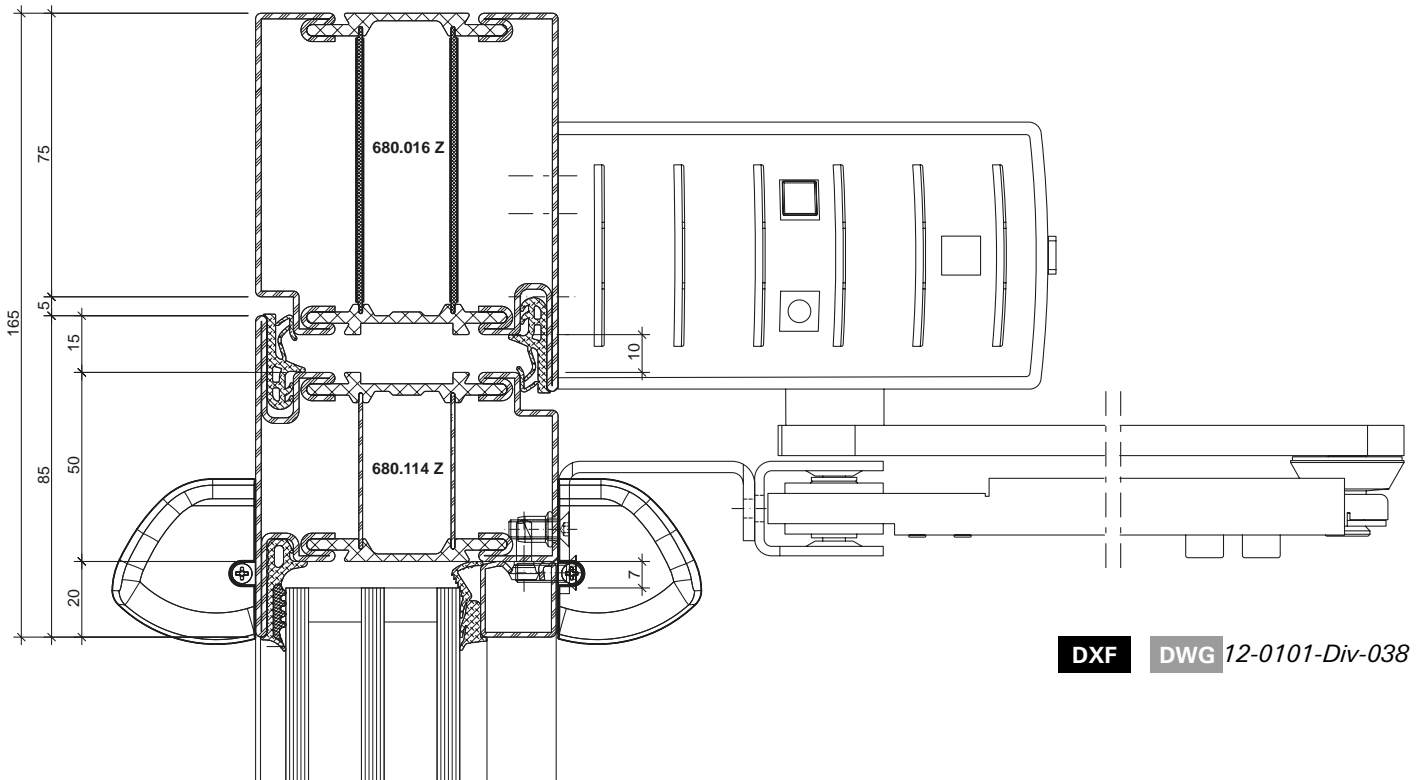
DXF

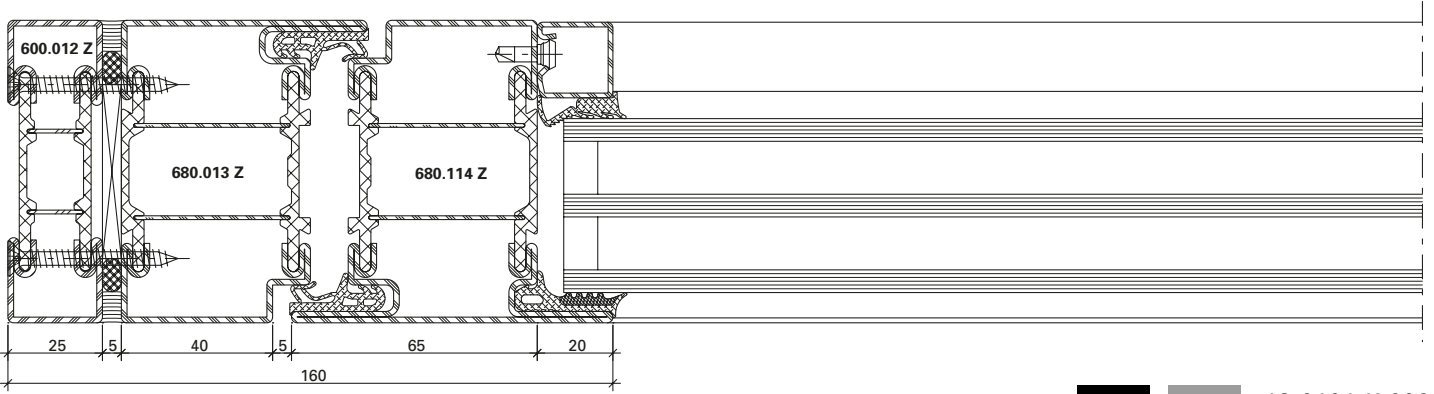
DWG

12-0101-E-066

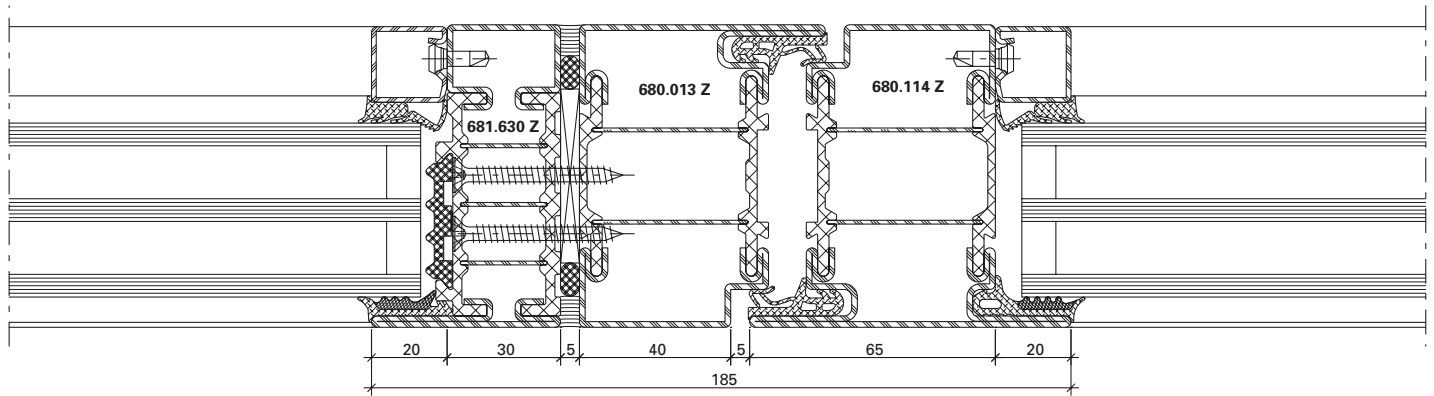


DXF DWG 12-0101-Div-037

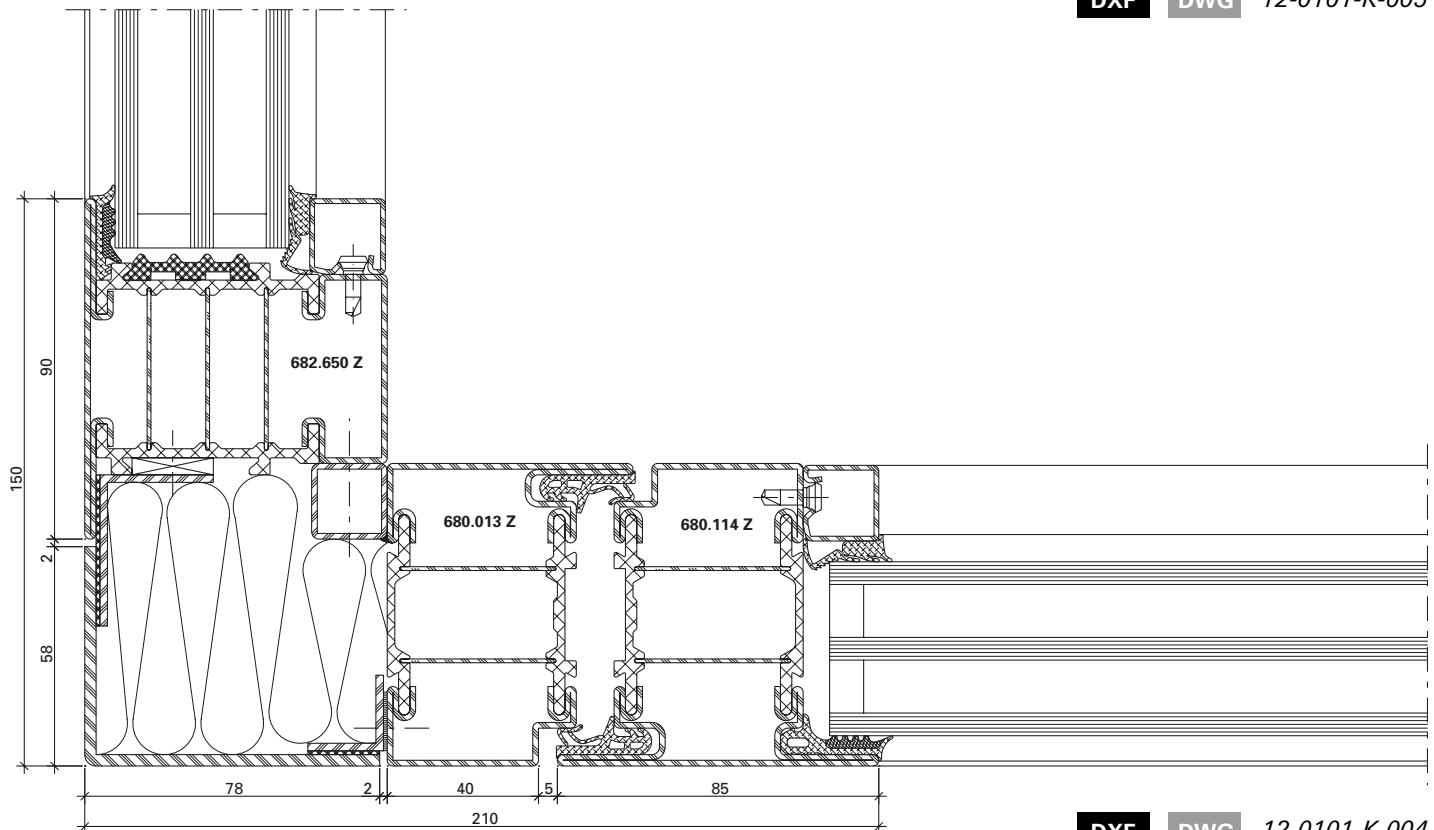




DXF **DWG** 12-0101-K-006



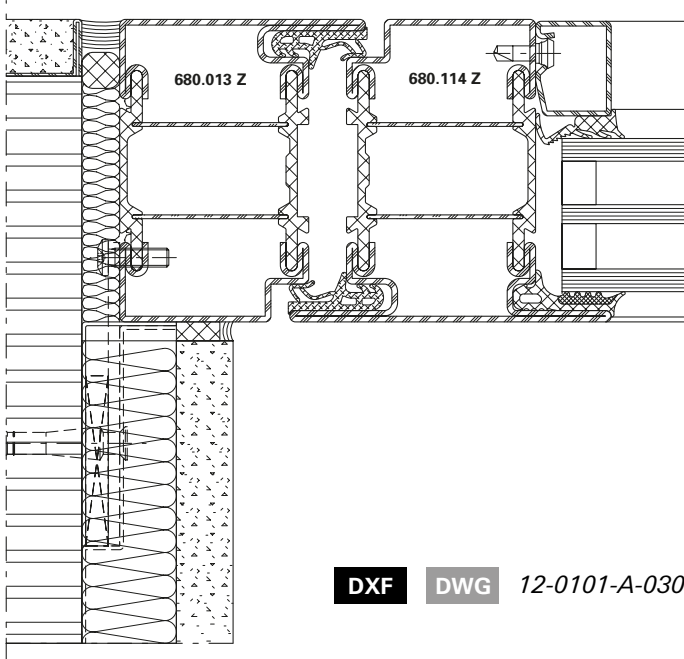
DXF **DWG** 12-0101-K-005



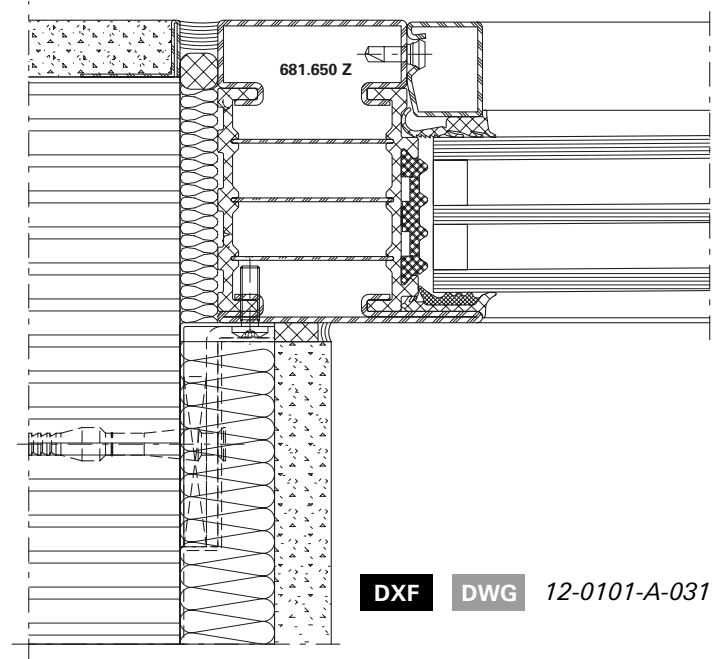
DXF **DWG** 12-0101-K-004

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

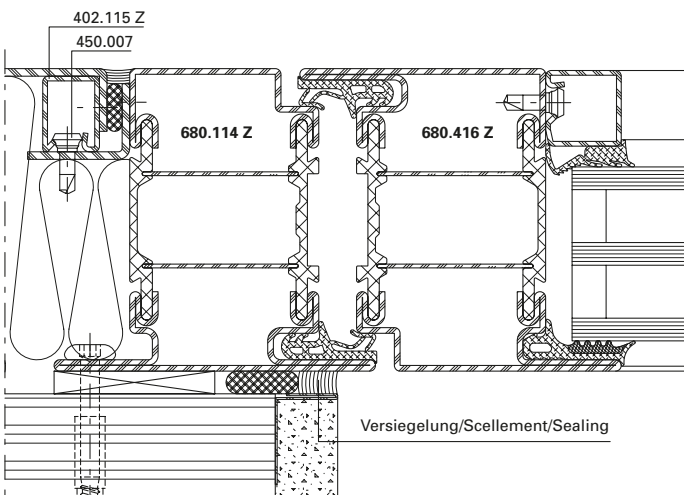
Janisol HI Türen
Janisol HI portes
Janisol HI doors



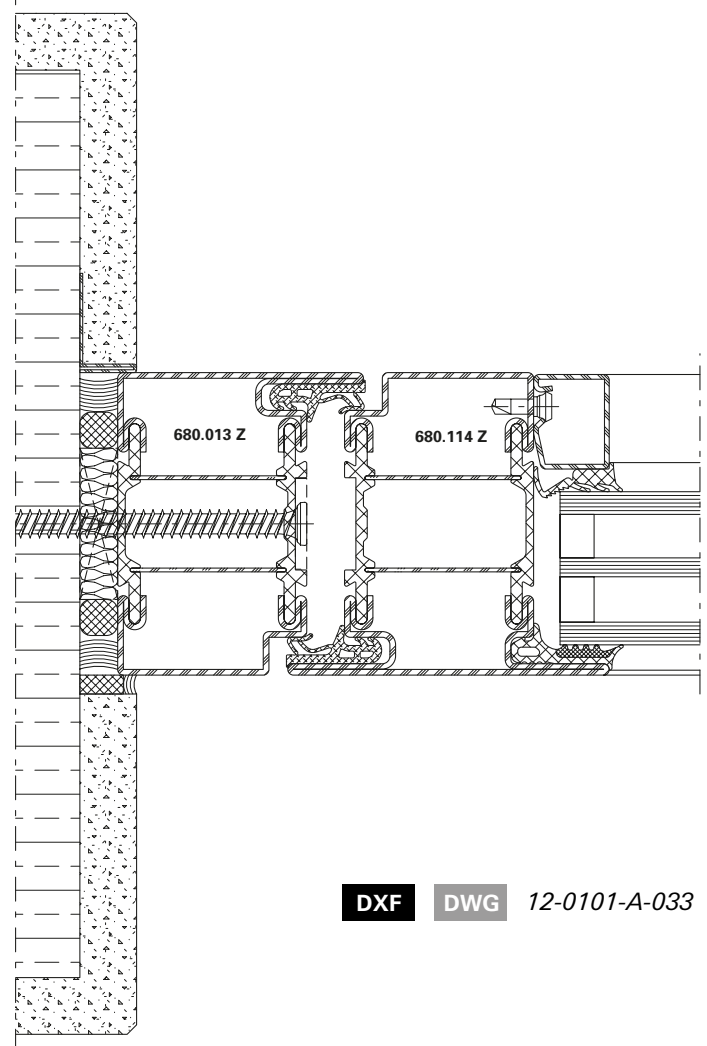
DXF **DWG** 12-0101-A-030



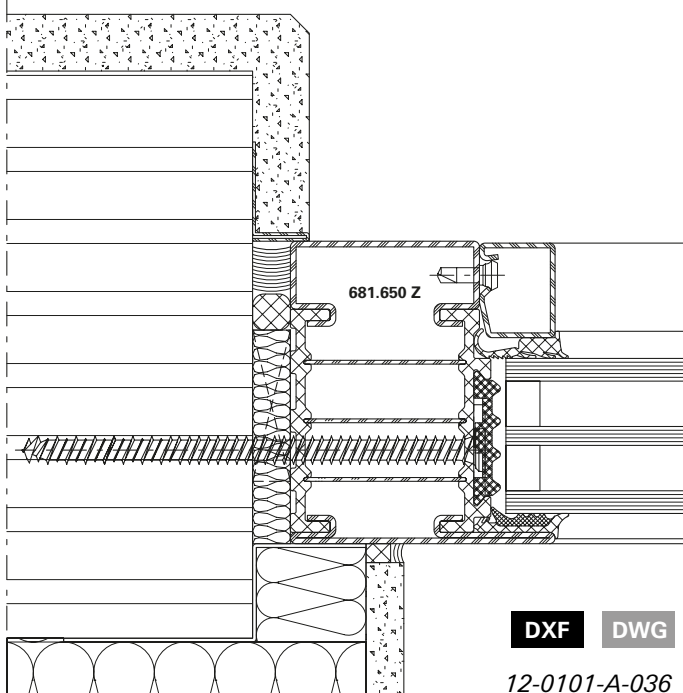
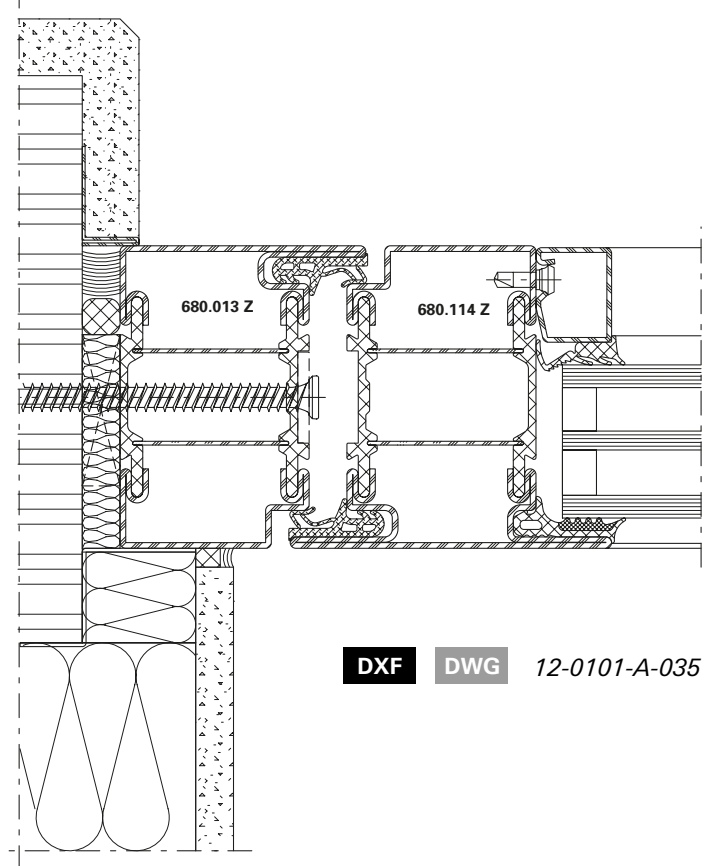
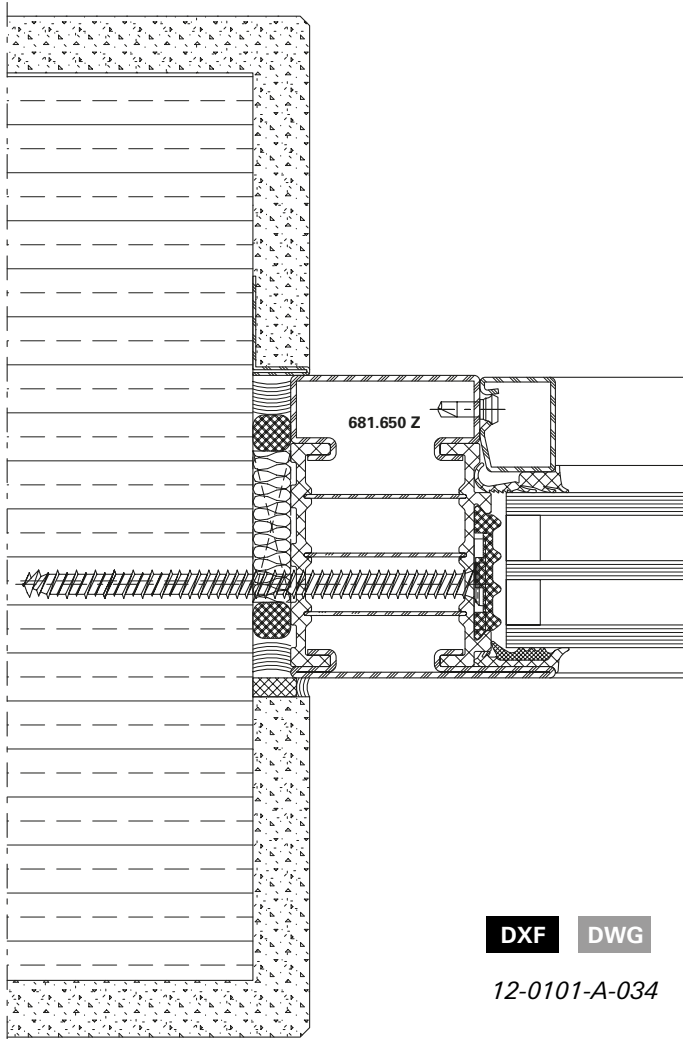
DXF **DWG** 12-0101-A-031



DXF **DWG** 12-0101-A-032

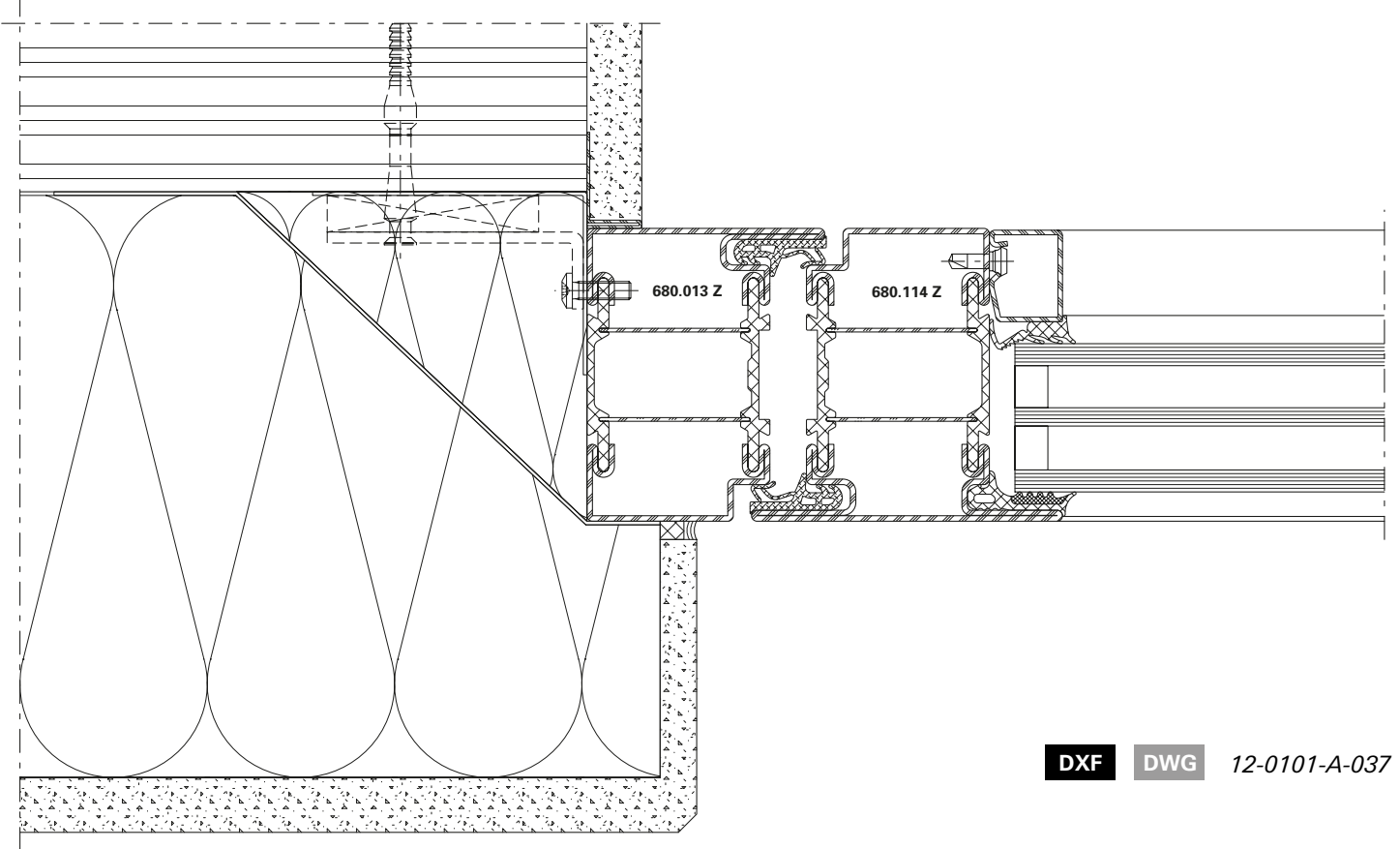


DXF **DWG** 12-0101-A-033

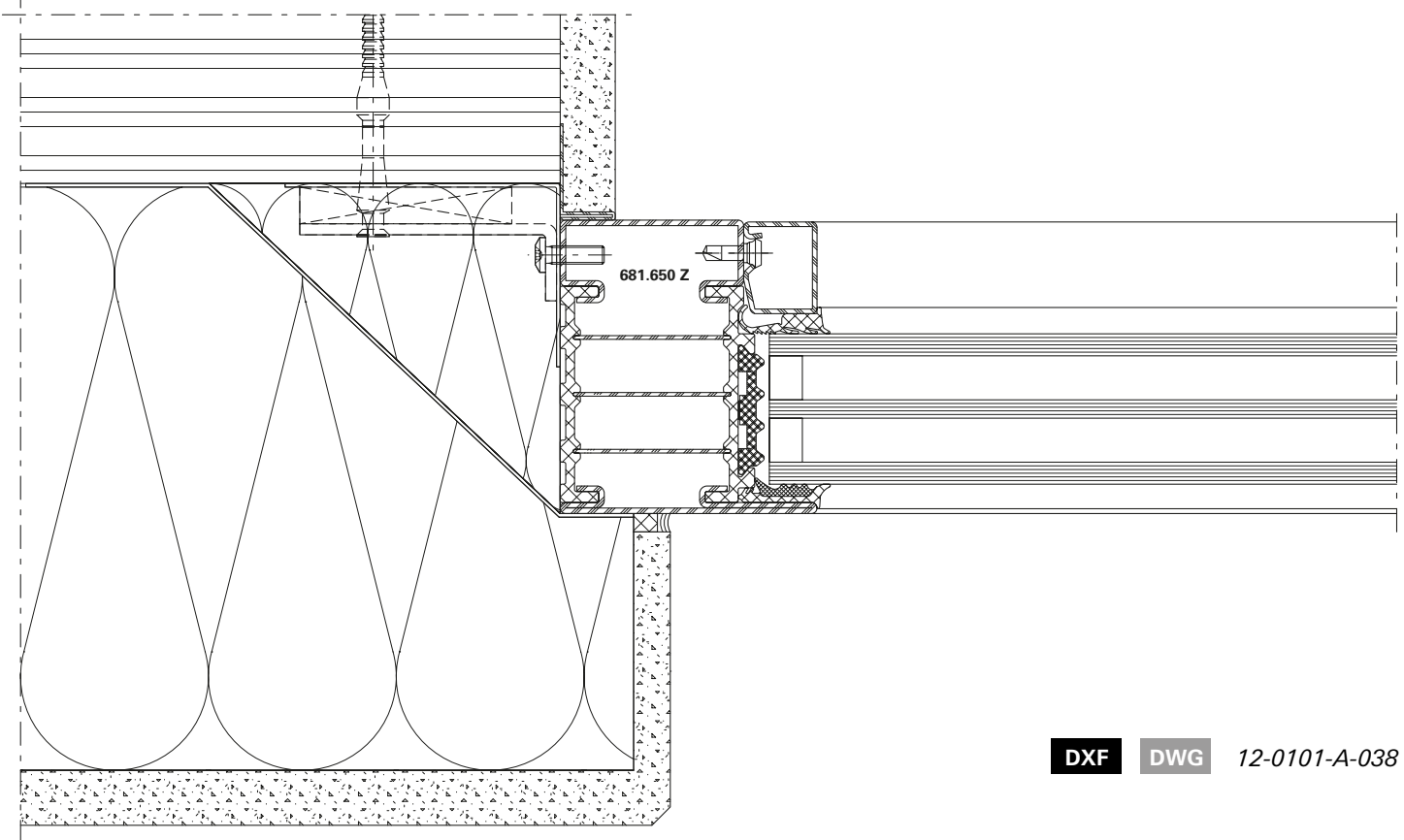


Anschlüsse am Bau im Masstab 1:2
Raccords au mur à l'échelle 1:2
Attachment to structure on scale 1:2

Janisol HI Türen
Janisol HI portes
Janisol HI doors



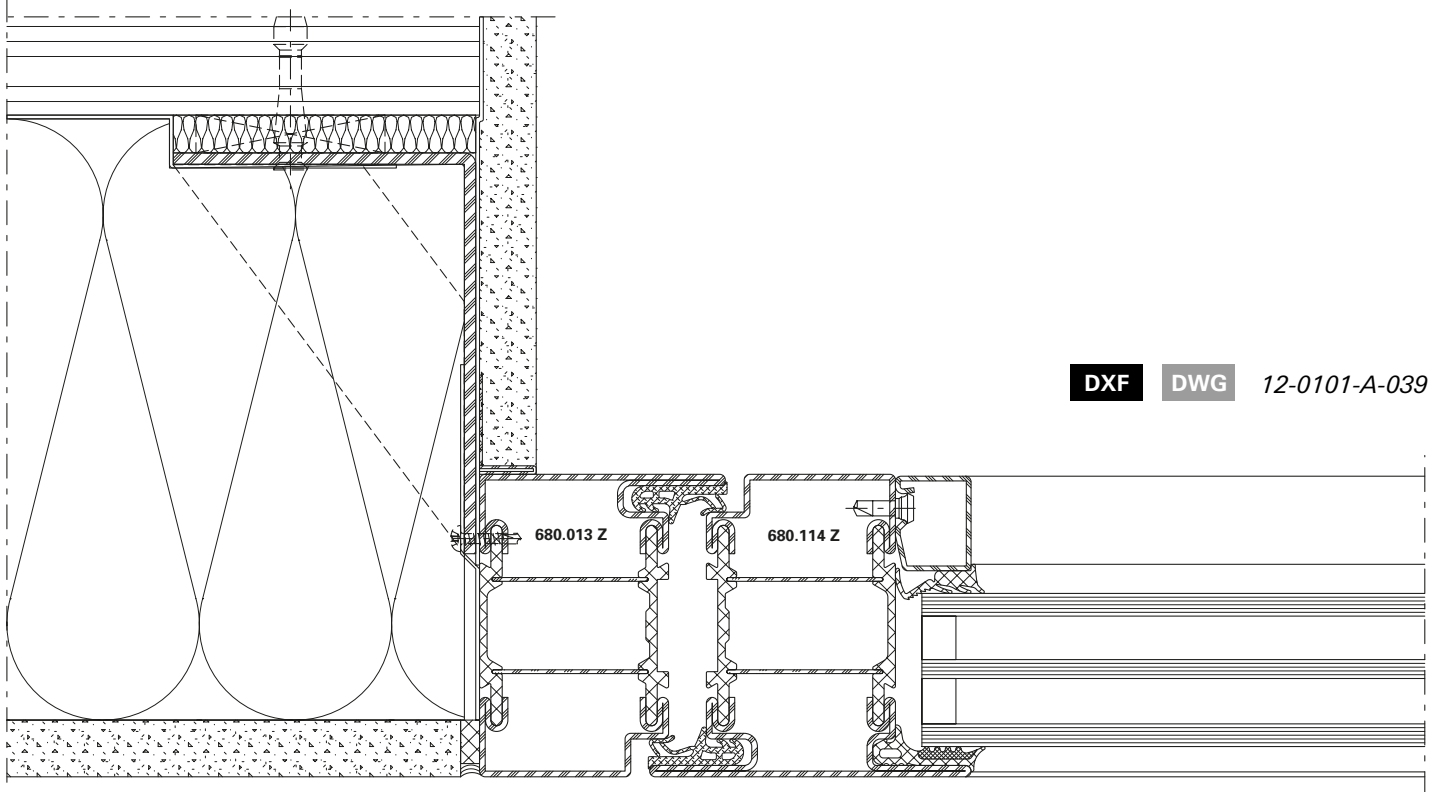
DXF **DWG** 12-0101-A-037



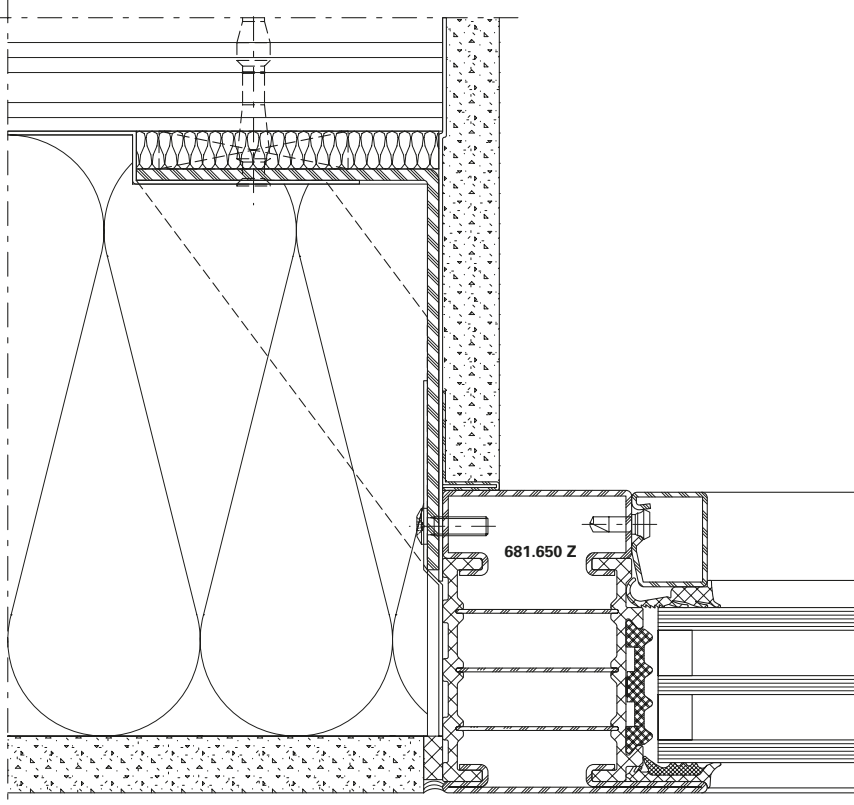
DXF **DWG** 12-0101-A-038

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors



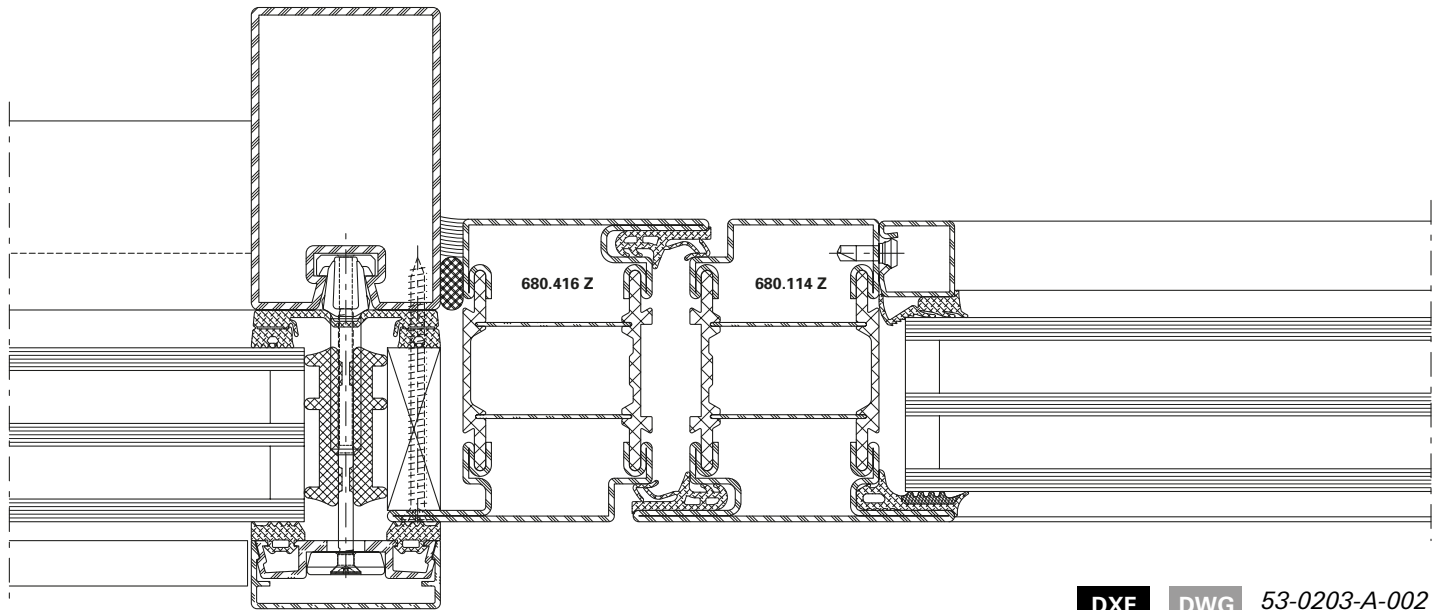
DXF DWG 12-0101-A-039



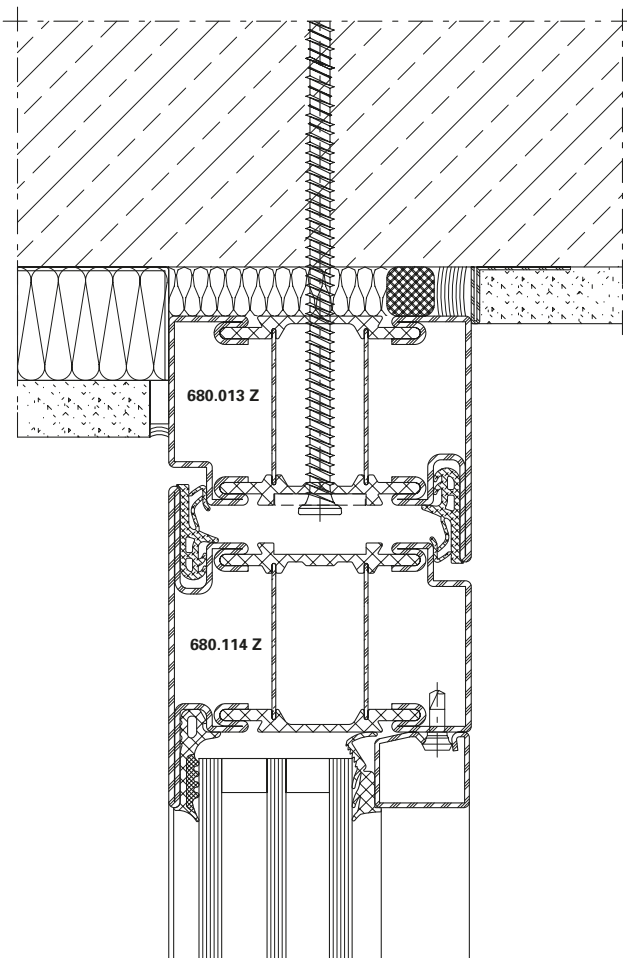
DXF DWG 12-0101-A-040

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

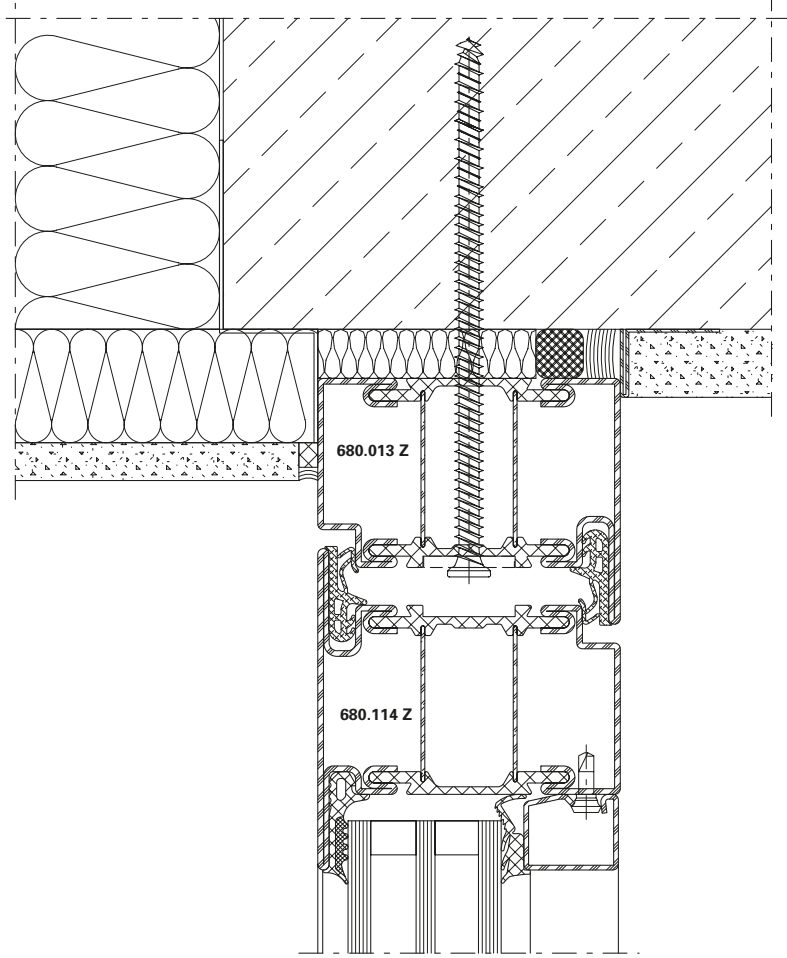
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 53-0203-A-002



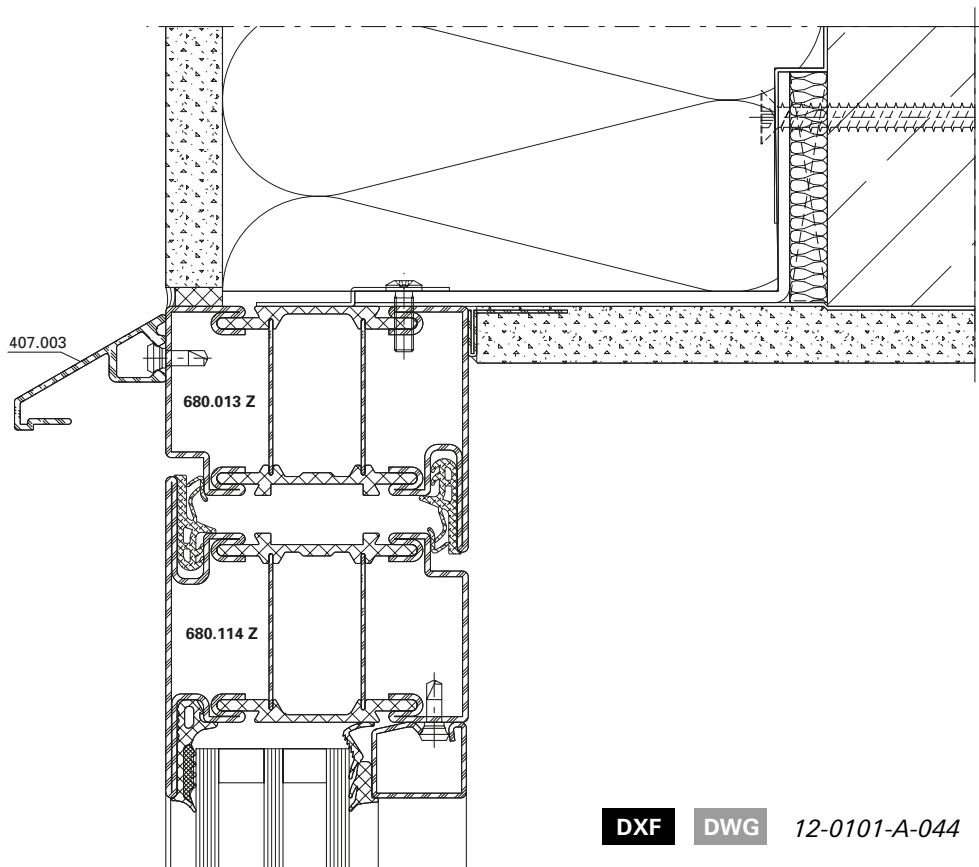
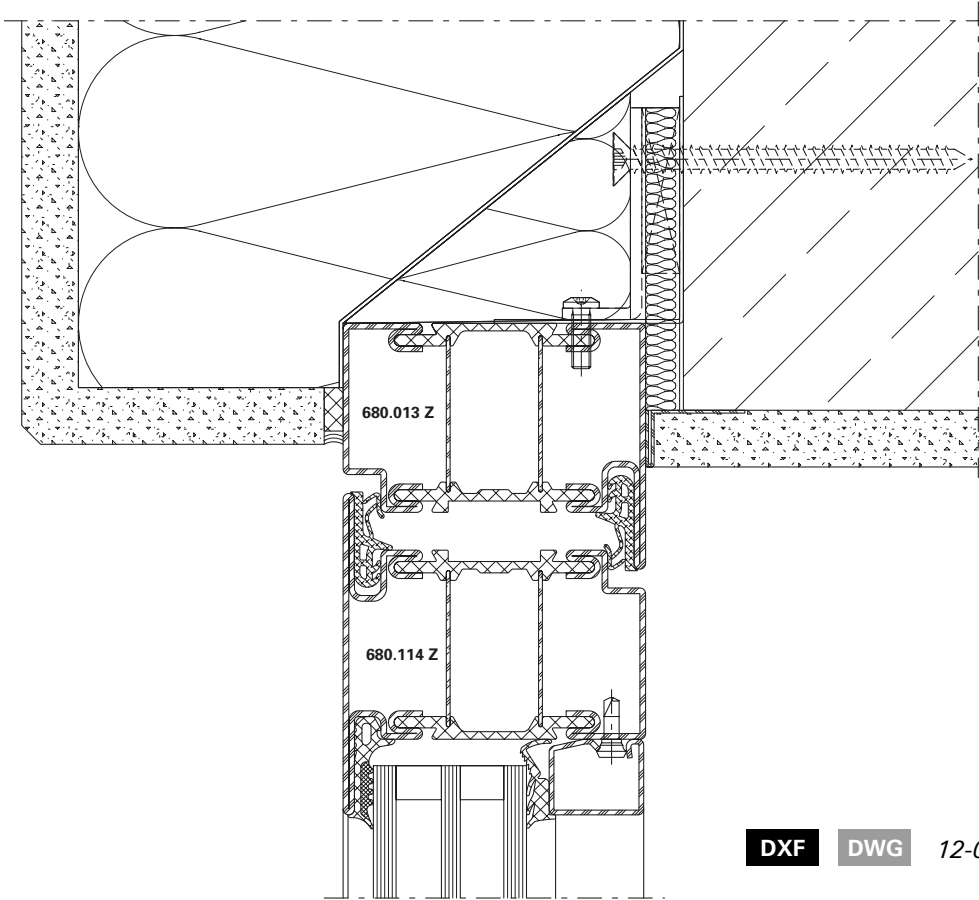
DXF DWG 12-0101-A-041

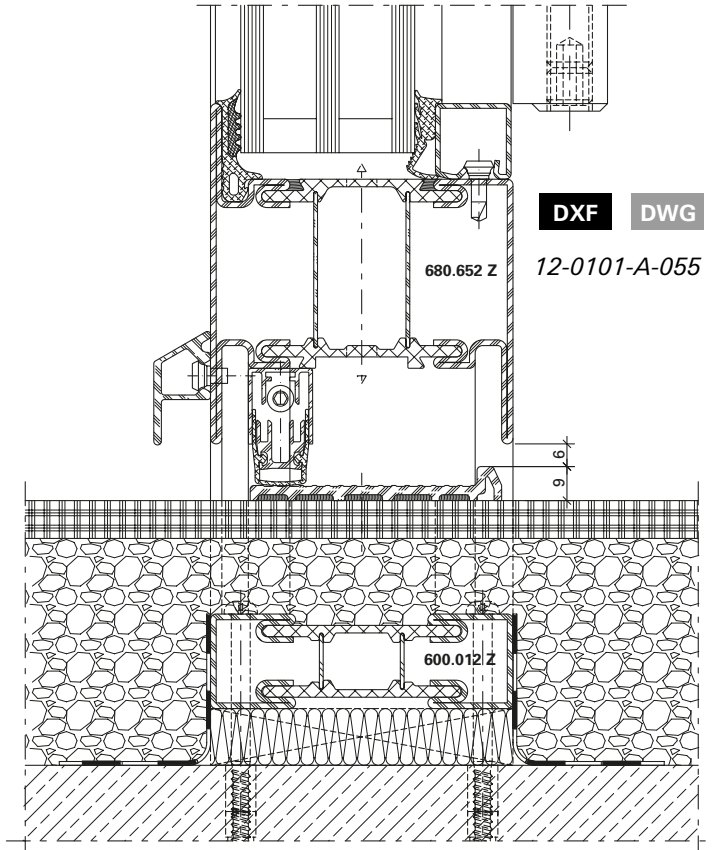
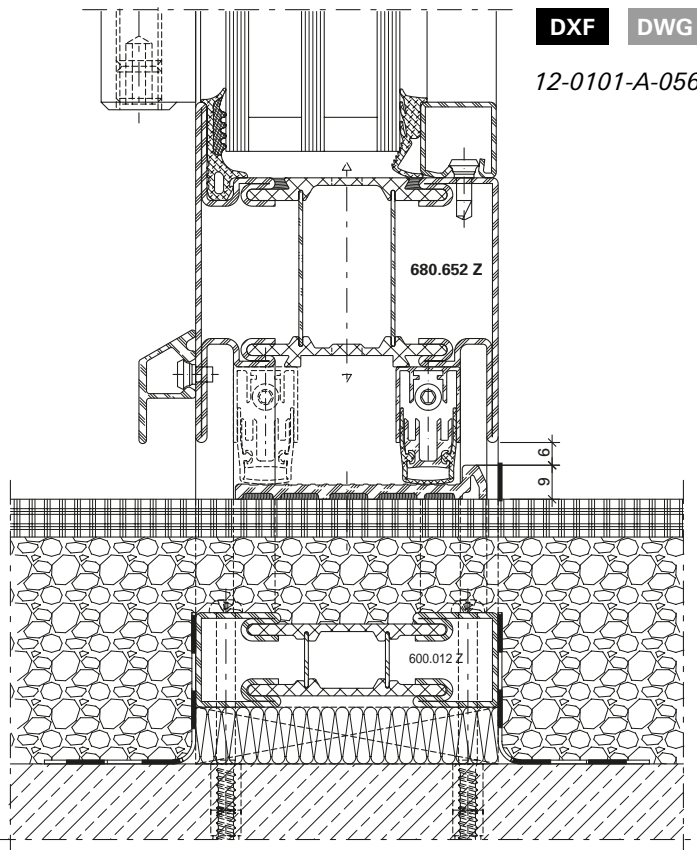
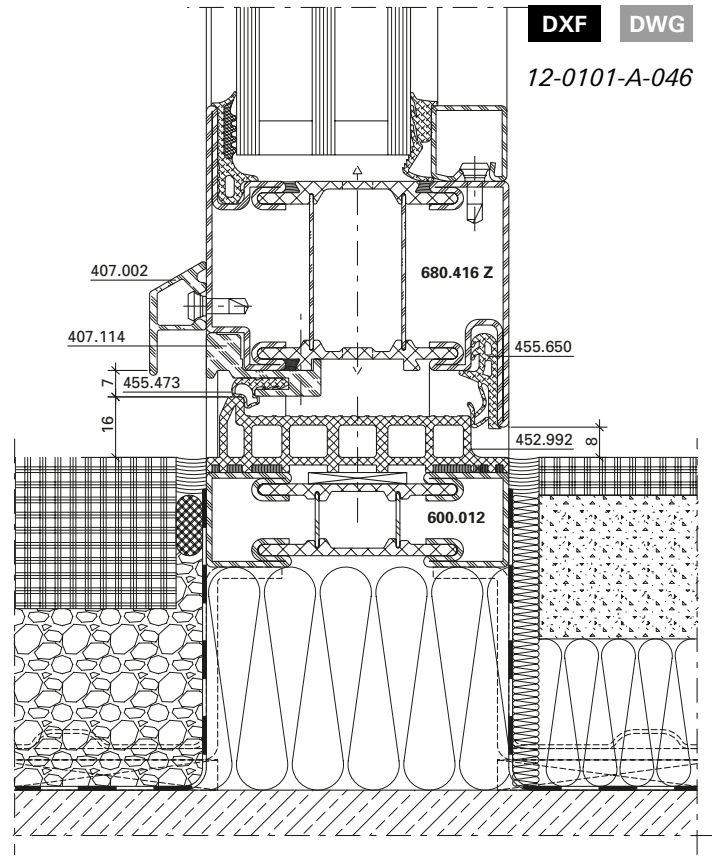
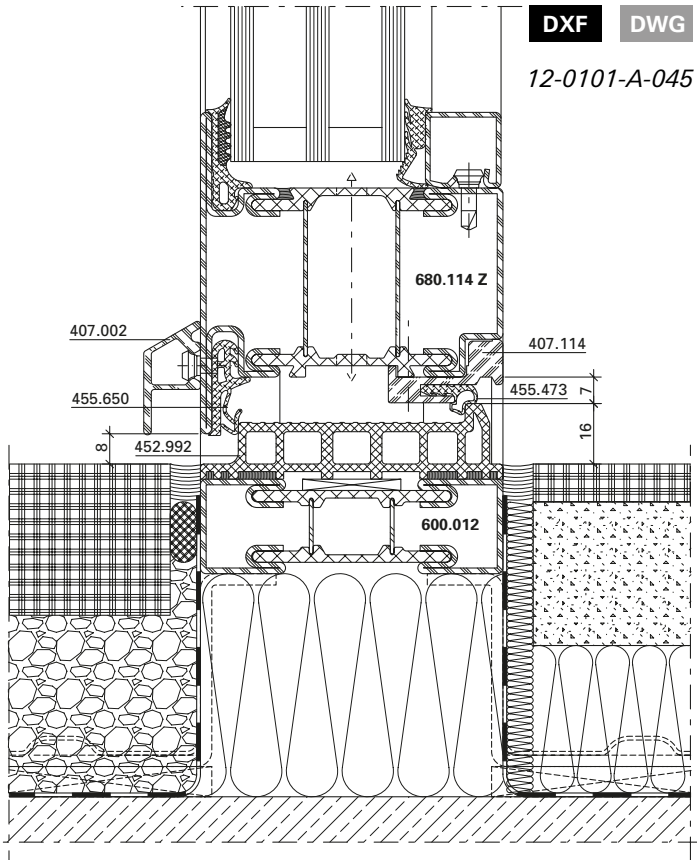


DXF DWG 12-0101-A-042

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors





Anschlüsse am Bau im Massstab 1:2

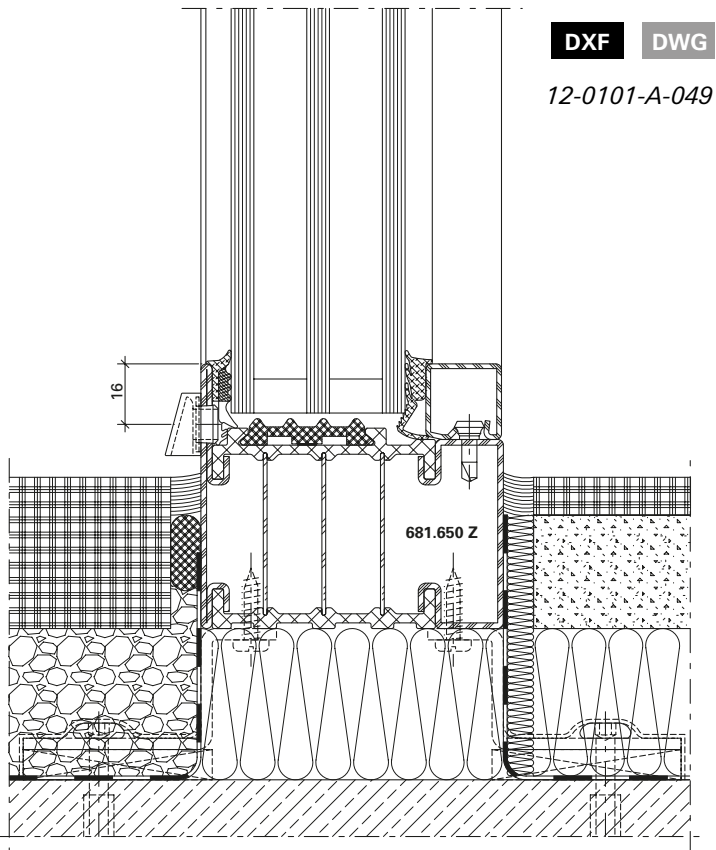
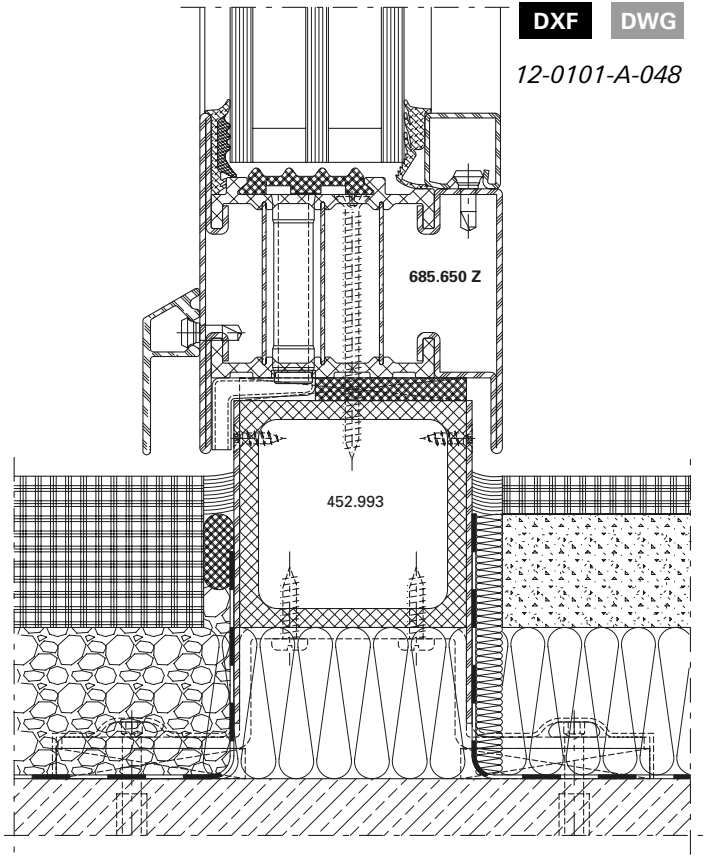
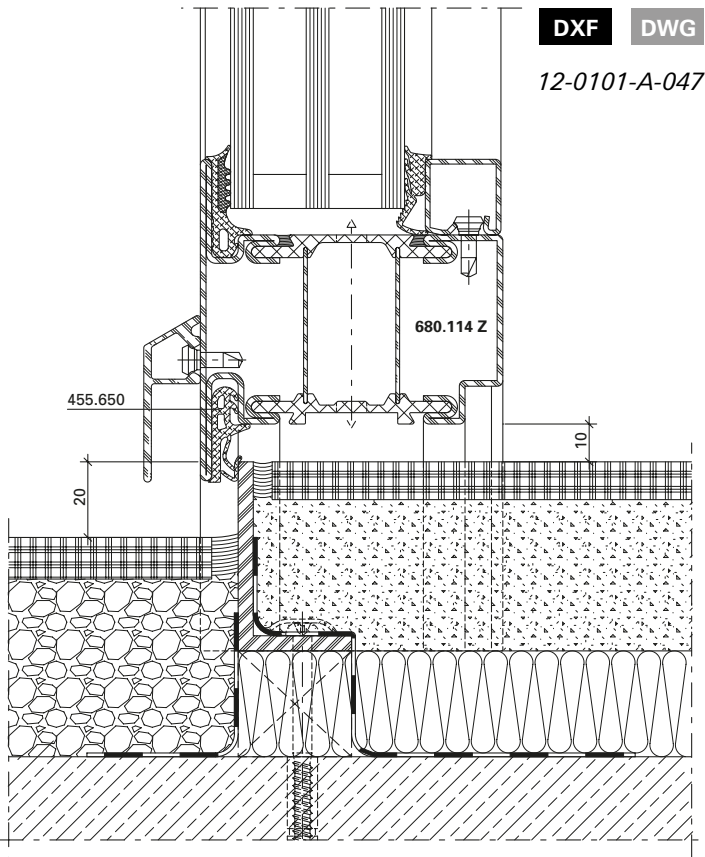
Raccords au mur à l'échelle 1:2

Attachment to structure on scale 1:2

Janisol HI Türen

Janisol HI portes

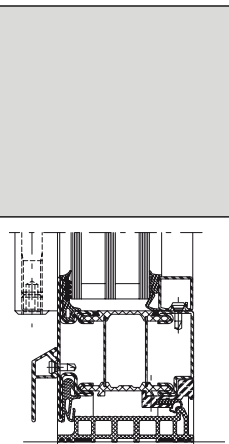



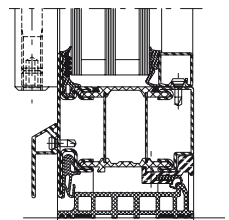
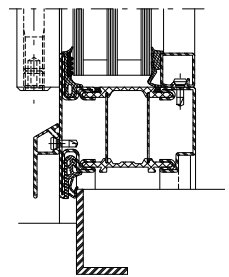
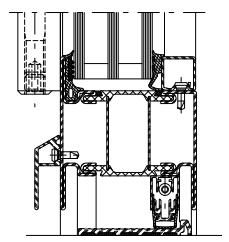
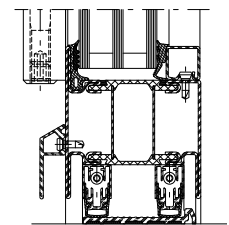
Janisol HI doors



**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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
								
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

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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

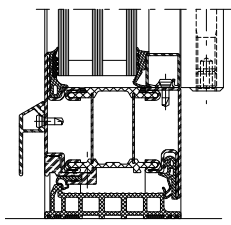



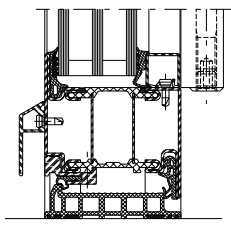
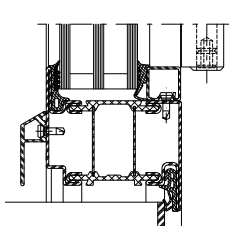
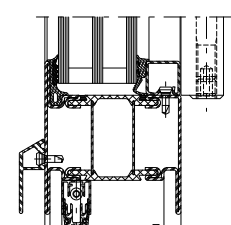
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
			Doppelanschlag Butée double Double rebate seal		1	2	1	-
		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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

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
Serrure à verrouillage multiple
Multipoint lock

Einflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 outward opening,
 leaf height < 3000 mm¹

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

Die Werte gelten für Trocken-
und Nassverglasung

FB = Flügelbreite

* 2 Bänder

** 3 Bänder

¹ Profile Kammermass 30 mm
nicht zulässig

① Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

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

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
chambre de 30 mm non autorisés

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

The values are valid for dry glazing
and glazing with sealing

FB = Leaf width

* 2 hinges

** 3 hinges

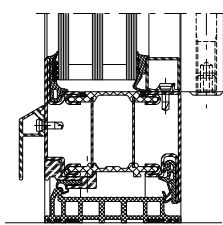
¹ Profiles with chamber dimensions
of 30 mm not permitted

③ Mehrfachverriegelungs-Schloss
Serrure à verrouillage multiple
Multipoint lock

Einflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 inward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}
			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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

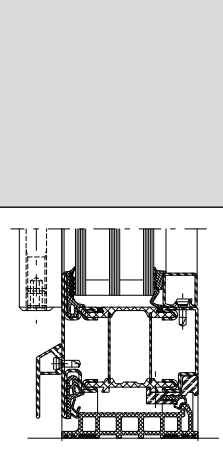
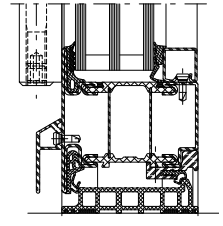
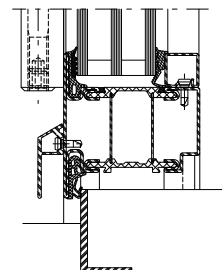
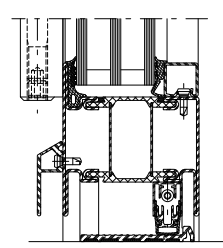
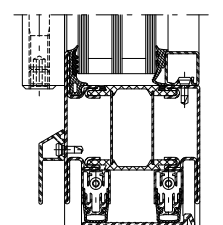
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrure 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**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

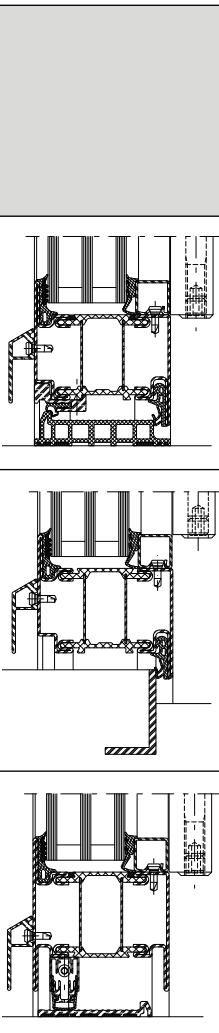
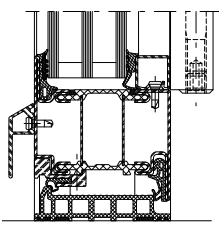
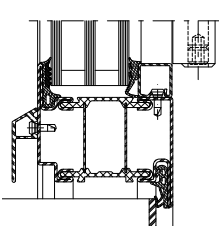
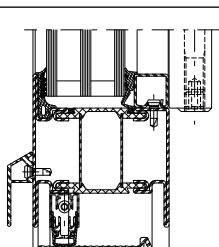
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
Doppelanschlag Butée double Double rebate seal		1	2	1	-	-	C2	C2
		2	4	3	-	-	C2/B3	C2/B3
		3	4	3	-	-	C2	C2
Einfachanschlag Butée simple Single rebate seal		1	2	1	-	-	C2	C2
		2	3	3	-	-	C2/B3	C2/B3
		3	4	3	-	-	C2	C2
Einfache Senkdichtung Joint seuil simple Single drop seal		1	1	1	1A	1A	C2	C2
		2	3	3	1A	1A	C2/B3	C2/B3
		3	2	2	1A	1A	C2	C2

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

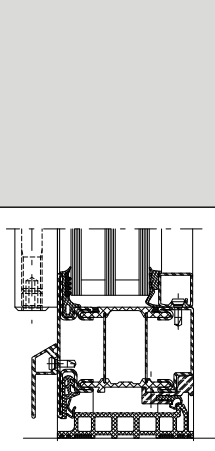
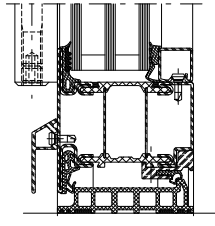
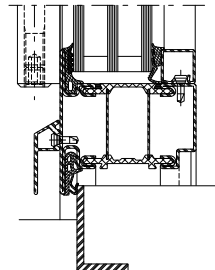
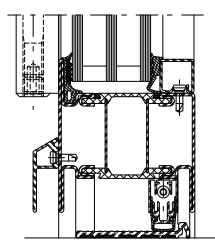
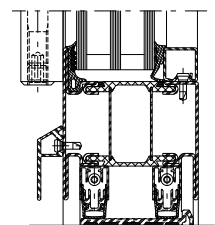
2 Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

3 Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 outward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

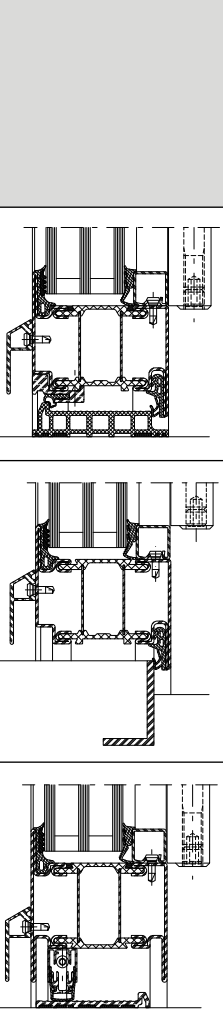



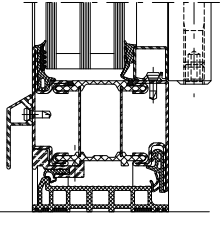
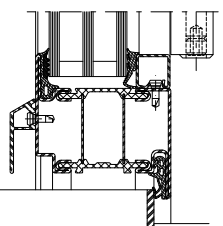
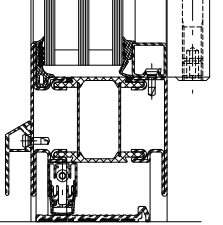
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 inward opening,
 leaf height < 3000 mm¹

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

¹ Profile Kammermass 30 mm
 nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions
 of 30 mm not permitted

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
 Serrure 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.


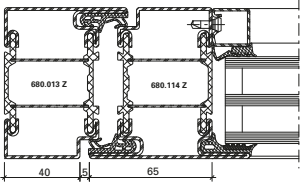
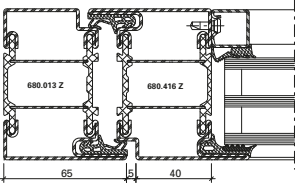
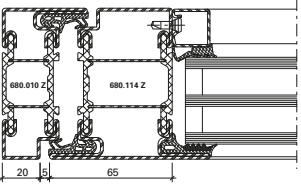
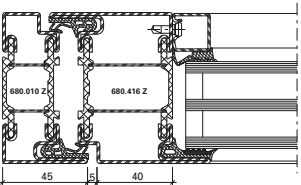
They are based on the following:

- 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)


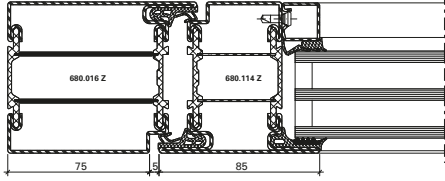
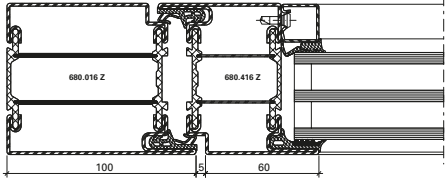
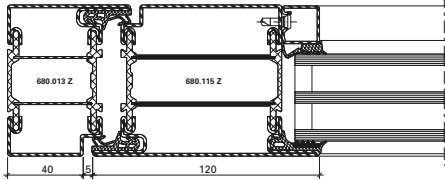
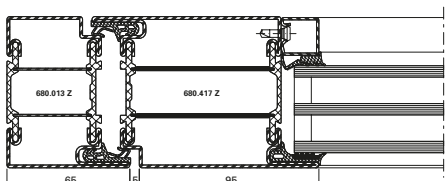
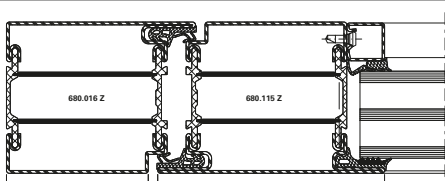
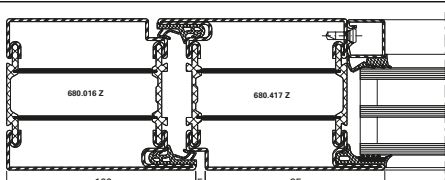
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K
	1,5 W/m ² K	1,5 W/m ² K	1,7 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K

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

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


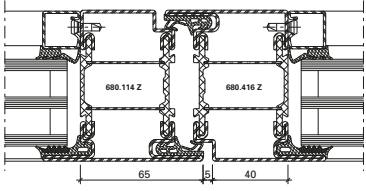
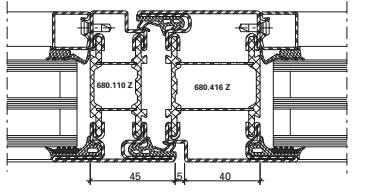
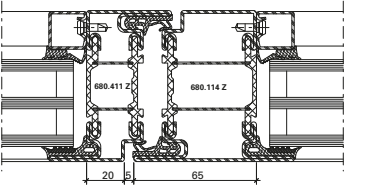
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K

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

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


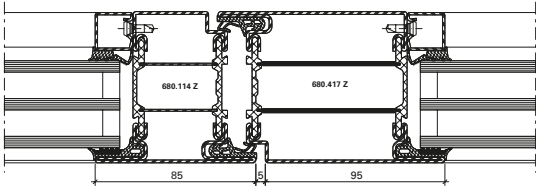
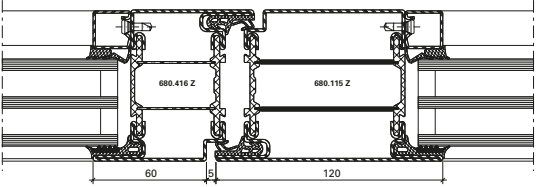
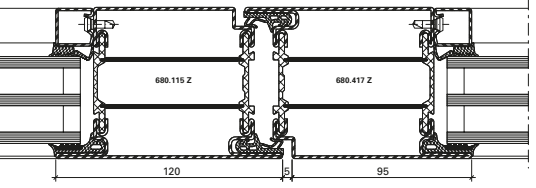
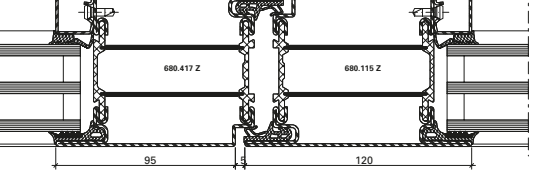
U_f values
 (according to EN ISO 10077-2:2018-01)

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


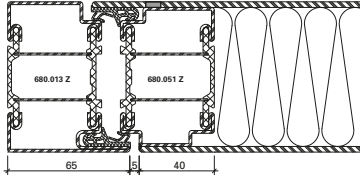
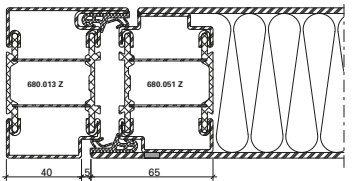
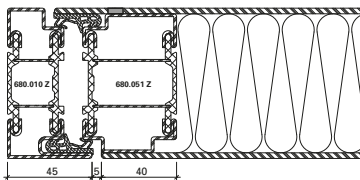
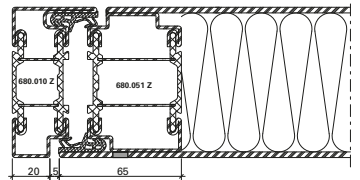
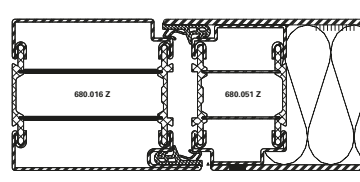
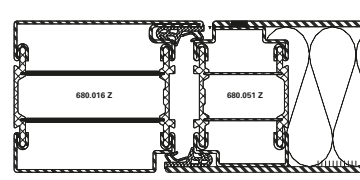
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K

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

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


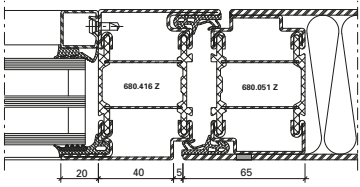
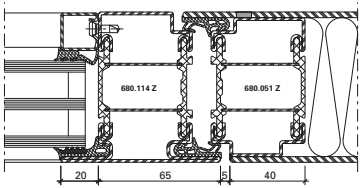
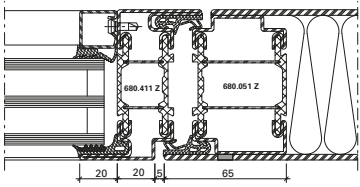
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,5 W/m ² K
	-	-	-	1,5 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,3 W/m ² K
	-	-	-	1,3 W/m ² K

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

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


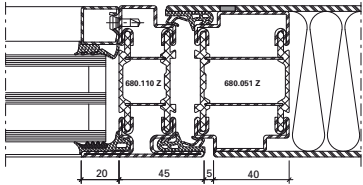
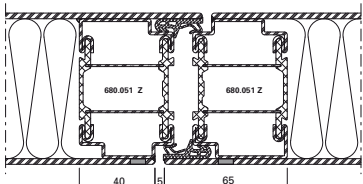
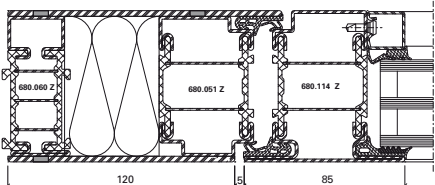
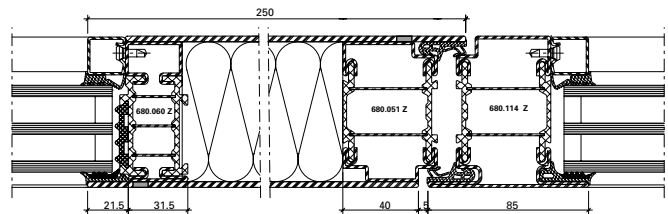
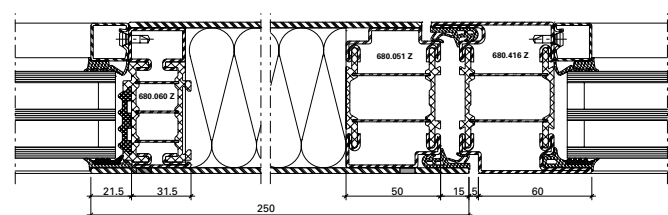
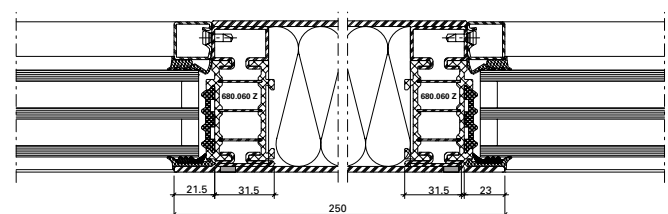
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-

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)


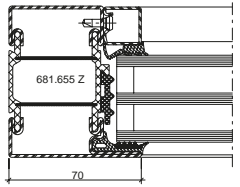
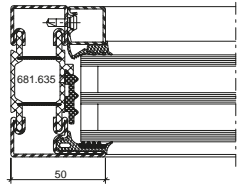
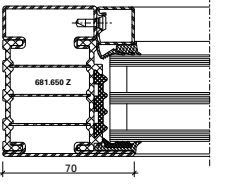
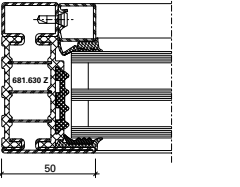
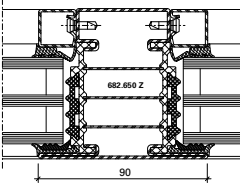
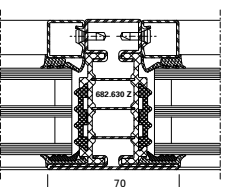
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,7 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-
	-	-	-	1,6 W/m ² K
	1,3 W/m ² K	1,3 W/m ² K	1,4 W/m ² K	-
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	-
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	-
	0,74 W/m ² K	0,77 W/m ² K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

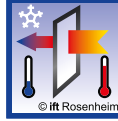
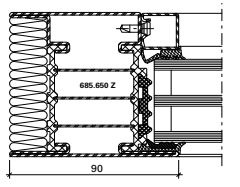
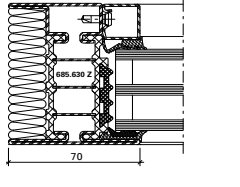
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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/m ² K	1,3 W/m ² K	1,6 W/m ² K
	1,4 W/m ² K	1,5 W/m ² K	1,9 W/m ² K
	0,89 W/m ² K	0,95 W/m ² K	1,2 W/m ² K
	1,0 W/m ² K	1,1 W/m ² K	1,4 W/m ² K
	0,84 W/m ² K	0,93 W/m ² K	1,3 W/m ² K
	0,93 W/m ² K	1,0 W/m ² K	1,5 W/m ² K


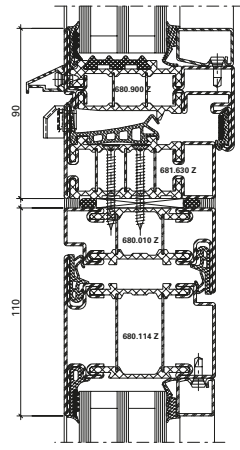
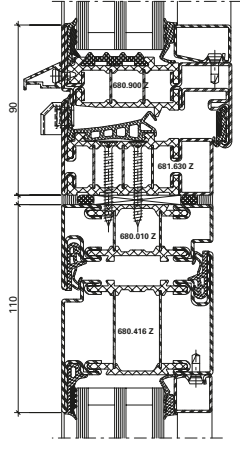
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	0,80 W/m ² K	0,85 W/m ² K	1,0 W/m ² K
	0,88 W/m ² K	0,95 W/m ² K	1,2 W/m ² K

* 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)


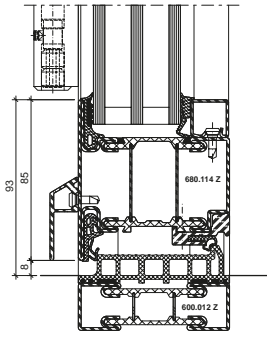
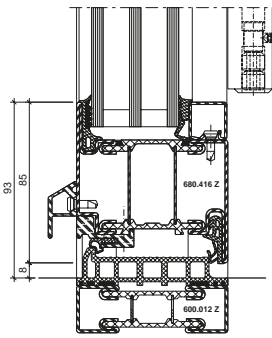
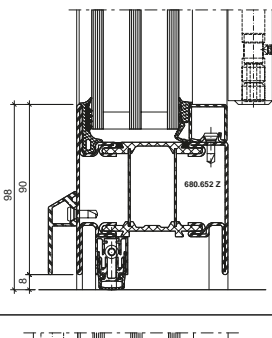
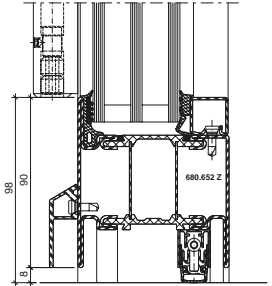
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–


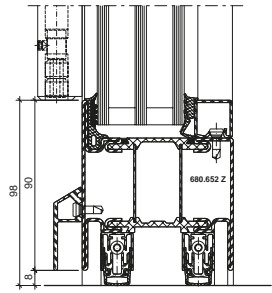
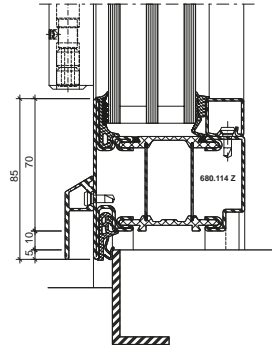
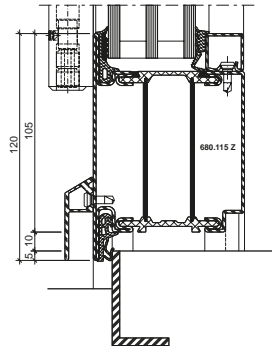
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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)

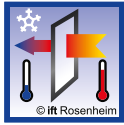
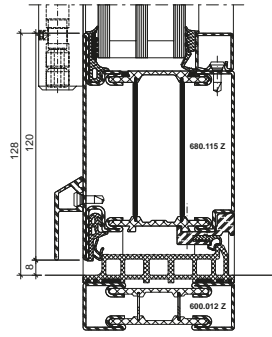
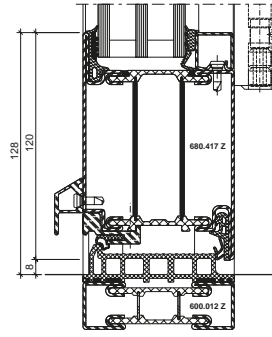
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,8 W/m ² K	2,0 W/m ² K
	1,8 W/m ² K	1,9 W/m ² K	2,1 W/m ² K
	2,5 W/m ² K	2,4 W/m ² K	2,7 W/m ² K
	2,2 W/m ² K	2,3 W/m ² K	2,4 W/m ² K

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,9 W/m ² K	2,0 W/m ² K
	3,2 W/m ² K	3,1 W/m ² K	3,3 W/m ² K
	2,4 W/m ² K	2,5 W/m ² K	2,5 W/m ² K

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

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


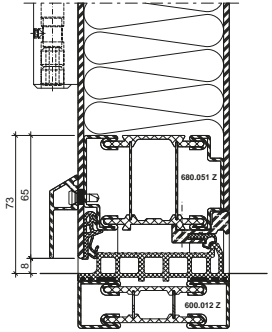
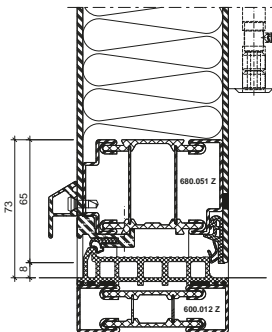
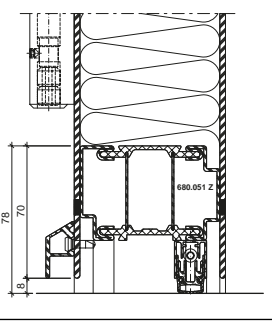
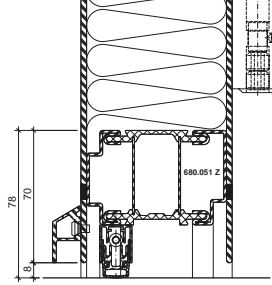
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,5 W/m ² K	1,6 W/m ² K
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K

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

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


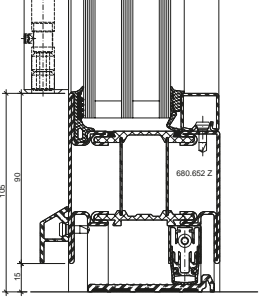
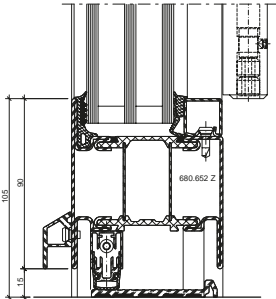
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,9 W/m²K
	-	-	-	1,9 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)


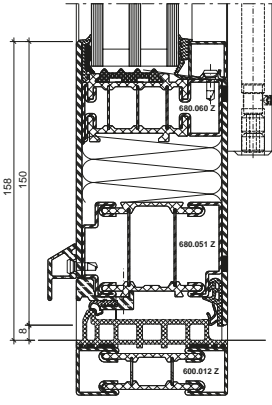
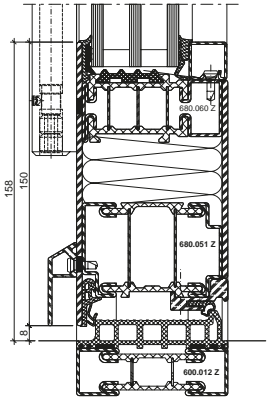
U_f values
 (according to EN ISO 10077-2:2018-01)


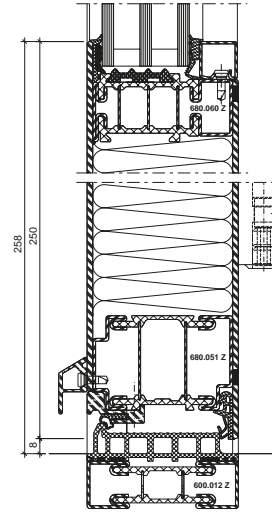
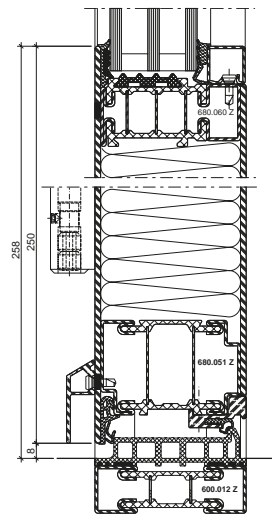
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	5,9 W/m ² K	6,0 W/m ² K	6,2 W/m ² K	–
	4,9 W/m ² K	5,0 W/m ² K	5,1 W/m ² K	–

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*
	1,4 W/m ² K	1,5 W/m ² K	1,5 W/m ² K
	1,4 W/m ² K	1,4 W/m ² K	1,5 W/m ² K

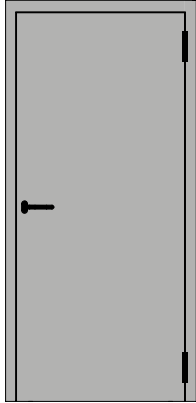
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	1,1 W/m ² K	1,1 W/m ² K	1,2 W/m ² K
	1,1 W/m ² K	1,1 W/m ² K	1,1 W/m ² K

* 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfach-
 verriegelungs-
 Schloss

Serrure à
 verrouillage
 multiple

Multipoint lock

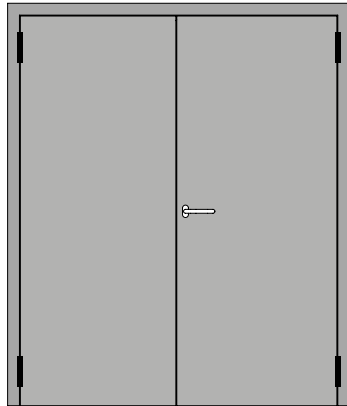
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 verriegelten 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple
Multipoint lock

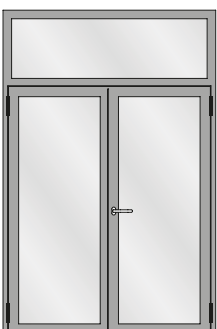
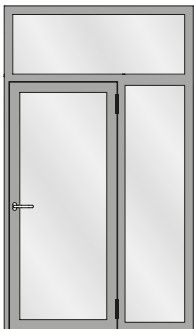
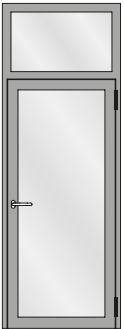
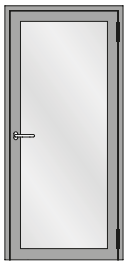
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten a / b ($\Delta T 5^\circ / \Delta T 10^\circ$) Résistance aux changements de température a / b ($\Delta T 5^\circ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



Schallschutz

Ausführungsvarianten

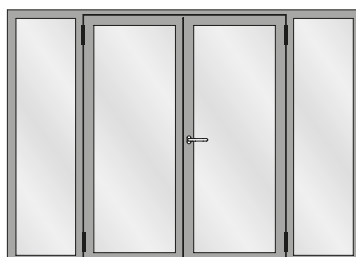
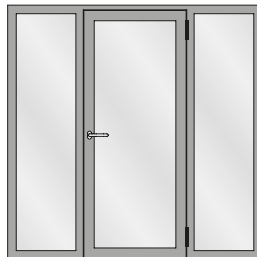
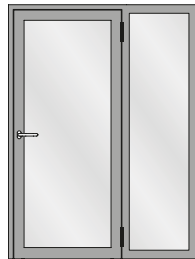
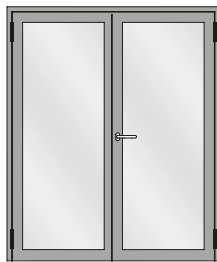
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.



Isolation phonique

Modèles

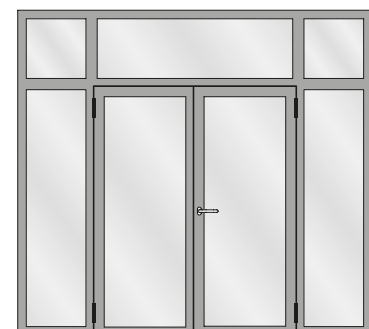
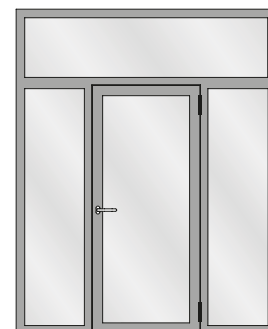
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.



Sound insulation

Design range

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



Schallschutz

Isolation phonique

Sound insulation

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 $R_{w+C_{tr}}$ ist der C_{tr} -Wert des Glases vom R_w abzuziehen.

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 $R_{w+C_{tr}}$, la valeur C_{tr} du verre doit être soustraite de R_w .

Table A1

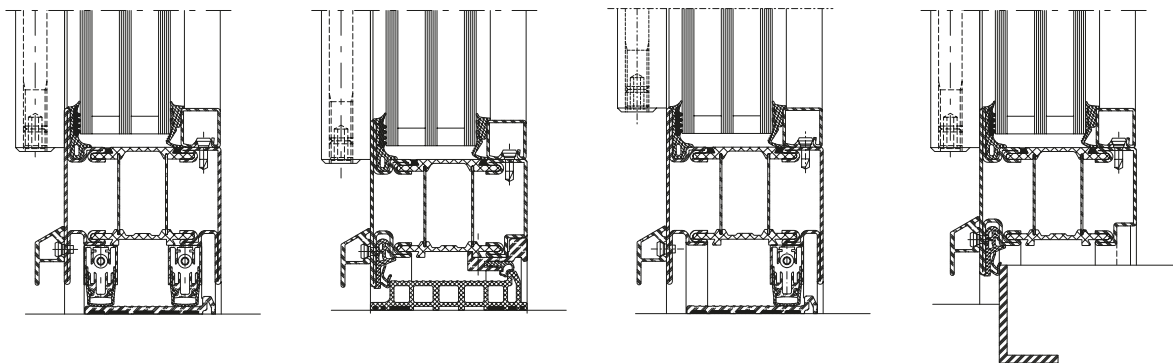
Correction table for Janisol HI doors with glass

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 $R_{w+C_{tr}}$, 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:

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

$R_{w,Tür}$ 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 $\leq 2,5$ m mit Einfallenschloss

K_{FV} Korrekturwert für festverglaste Elemente

K_{Nass} Korrekturwert für Nassverglasung

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

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

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

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

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

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

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

$K_{G3,7}$ Korrekturwert für Elemente mit Einzelscheiben $\geq 3,7$ m² und $\leq 5,5$ m²

$R_{w, porte}$ Cote d'isolement 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 $\leq 2,5$ 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 $\leq 0,4$ m²

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

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

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

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

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

Grafische Planungsdaten wie z.B. Anwendungsbeispiele, Konstruktionsdetails, Anschlüsse am Bau, die in unseren physischen oder elektronischen Dokumentationsunterlagen enthalten sind, sind schematische Darstellungen. Gleiches gilt für digitale Medien wie CAD Dateien oder BIM Modelle.

Sie sollen den ausführenden Metallbauer und/oder Fachplaner bei der Planung und Ausführung eines Projektes unterstützen. Sie sind im konkreten Anwendungsfall durch den ausführenden Metallbauer und/oder Fachplaner auf die Verwendbarkeit im konkreten betroffenen Projekt hinsichtlich rechtlichen/regulatorischen aber auch technischen objektspezifischen Anforderungen zu überprüfen und ggfs. eigenverantwortlich anzupassen.

Bei der Überprüfung, der spezifischen Planung und der Umsetzung sind die objektspezifischen Rahmenbedingungen (Material der Bausubstanz, Dimension des Einbauelements, Farbe, Exposition, Lasteinwirkung, etc.) sowie der geltende Stand der Technik einschliesslich aller anwendbaren Normen und technischen Richtlinien eigenverantwortlich zu beachten.

Falls das vorliegende Dokument Differenzen zur aktuellen deutschen Version (Artikel Nr. K1214219) aufweist, gilt in jedem Fall der deutsche Originaltext in der jeweils geltenden Fassung im Jansen Docu Center.

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

Les données de planification graphiques, comme les exemples d'application, détails de construction et raccordements au bâtiment, fournies dans notre documentation physique et numérique sont des représentations schématiques. Il en va de même pour les médias numériques comme les fichiers CAD ou modèles BIM.

Leur but est de faciliter la planification et réalisation d'un projet par les constructeurs métalliques et/ou concepteurs. Concrètement, elles doivent être vérifiées par le constructeur métallique et/ou le concepteur et, le cas échéant, modifiées de son propre chef pour s'assurer qu'elles concordent avec le projet concerné et qu'elles répondent aux exigences techniques spécifiques ainsi qu'aux dispositions légales et réglementaires.

Lors de la vérification, de la planification spécifique et de la mise en œuvre, il y a lieu de tenir compte des conditions spécifiques à l'objet (matériaux du bâtiment, dimension de l'élément d'insert, couleur, exposition, effet de charge, etc.) ainsi que de l'état actuel de la technique, y compris toutes les normes et directives techniques applicables.

En cas de divergence entre le présent document et la version allemande (no d'article K1214219), c'est dans tous les cas le texte original allemand qui prévaut dans sa version actuelle disponible dans le Jansen Docu Center.

Nous avons apporté le plus grand soin à l'élaboration de cette documentation. Cependant, nous déclinons toute responsabilité pour l'utilisation faite de nos propositions et de nos données.

Nous nous réservons le droit de procéder à des modifications techniques sans préavis.

Graphical planning data such as application examples, construction details, connections on site that are contained in our physical or electronic documentation components are schematic representations. The same applies to digital media such as CAD files or BIM models.

They are intended to support the metal worker and/or design engineer in planning and executing projects. In the specific case of application they are to be checked by the metal worker and/or design engineer in terms of their usability in the specific project concerned with regard to legal/regulatory and technical property-specific requirements and adjusted if necessary at the latter's own responsibility.

The property-specific underlying conditions (construction material, dimensions of installation element, colour, exposure, load effect etc.) and current state of the art including all applicable norms and technical guidelines are to be taken into consideration at the metal worker and/or design engineer's own responsibility during the review, specific planning and implementation.

If there are any differences between this document and the current German version (item number K1214219), the latest version of the original German text in the Jansen Docu Center shall prevail.

All the information contained in this documentation is given to the best of our knowledge and ability. However, we decline all responsibility for the use made of these suggestions and data.

We reserve the right to effect technical modifications without prior warning.

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Leistungseigenschaften

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Janisol HI Türen

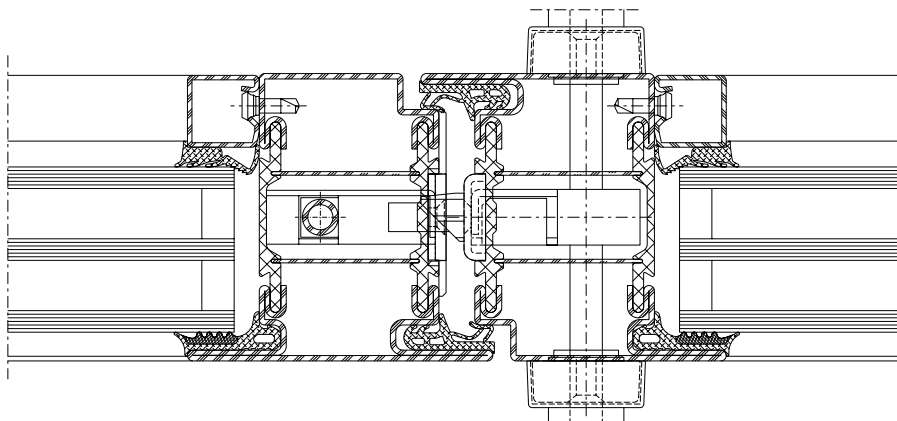
- Bautiefe 80 mm, Türflügel innen und aussen flächenbündig
- Schmale Profilansichten: Rahmen mit Türflügel 130 mm, Türstulpbereich 150 mm
- Für ein- und zweiflüglige Türen, einwärts und auswärts öffnend, mit oder ohne Oberlicht und Seitenteile
- Grösse Türflügel bis max. 1400 mm x 3000 mm (b×h) Flügelgewicht 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

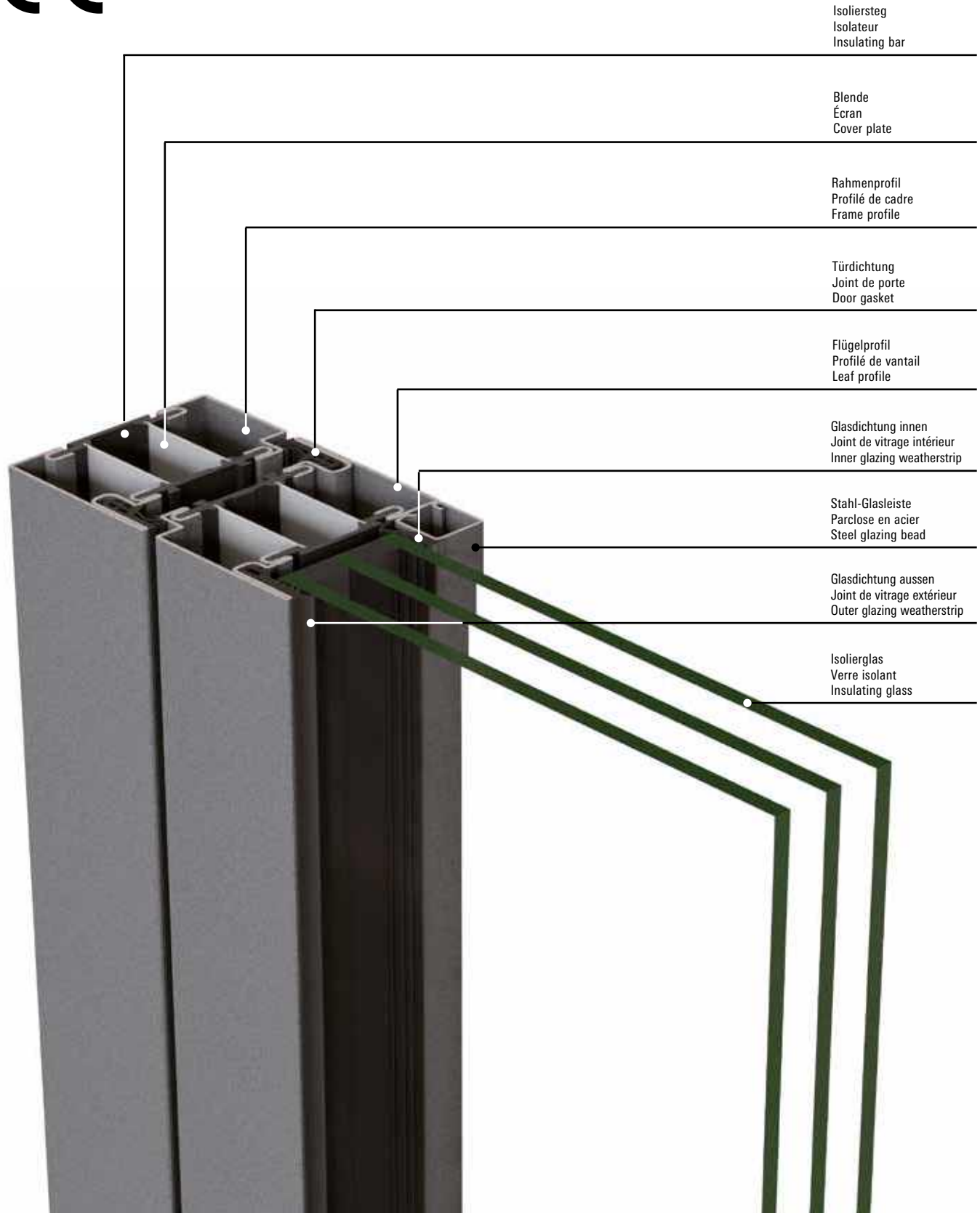
Janisol HI portes










- 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








Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value										
		npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>2000)				
 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 Étanchéité 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/(m ² ·K)) Transmission thermique U_f (W/(m ² ·K)) Thermal production U_f (W/(m ² ·K))	npd	ab 0,74 W/m ² K à partir de 0,74 W/m ² K from 0,74 W/m ² K									
 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 1627	Einbruchhemmung Anti-effraction Burglar resistance	npd	1	2	3	4	5	6				
 EN 14024	Metallprofile mit thermischer Trennung Profils en métal. avec rupture de pont thermique Metal profiles with thermal barrier		CW / TC2									

npd = keine Leistung festgestellt
(no performance determined)

npd = Aucune performance
déterminée
(no performance determined)

npd = no performance determined

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value								
		D	1	2	3	4	5	6	7	8
 EN 12400	Dauerfunktionsprüfung Durabilité mécanique Mechanical durability		5'000	10'000	20'000	50'000	100'000	200'000	500'000	1'000'000
 EN 12217	Bedienkräfte Forces de manœuvre Operating forces	npd	0	1			2			
 DIN 18008-4	Vorgefertigte absturzsichernde Verglasung Vitrage anti-chutes préfabriquée 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

Zur Erreichung der maximalen Leistungswerte bzw. der CE-Kennzeichnung sind die Gutachtlichen Stellungnahmen zu beachten.
(docucenter.jansen.com)

Il doit être tenu compte des avis d'expert dans le but d'obtenir les valeurs de performance maximales et le marquage CE.
(docucenter.jansen.com)

To achieve the maximum performance values and/or the CE marking, the expert appraisal report must be observed.
(docucenter.jansen.com)



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

- Verschlussystem für Notausgangstüren nach EN 179
- Verschlussystem 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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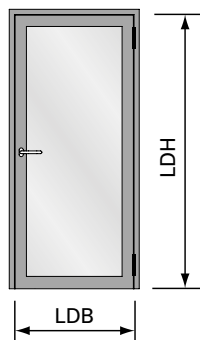
The items «Article library/Door fittings/Window fittings» means that you download the entire article library for the corresponding system with one click (profiles, fittings, glazing beads, accessories etc.).

Information and advice

We would be delighted to provide you with advice in person and are available to answer any questions you may have. Please write to us with your queries at: info@jansen.com

Technische Daten
Données techniques
Technical data

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 1360 mm
 min. 600 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 1360 mm
 min. 600 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

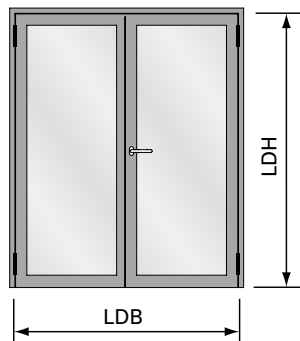
Poids de vantail max. 280 kg

Size of elements

LDB Clear opening width
 max. 1360 mm
 min. 600 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

Weight of leaf max. 280 kg



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 2740 mm
 min. 1200 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 2740 mm
 min. 1200 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

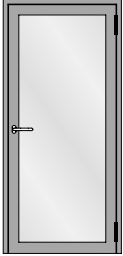
Poids de vantail max. 280 kg

Size of elements

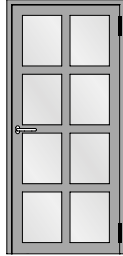
LDB Clear opening width
 max. 2740 mm
 min. 1200 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

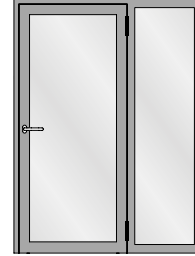
Weight of leaf max. 280 kg



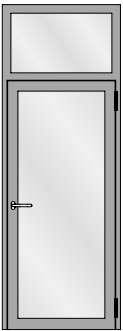
Einflügelige Türe
Porte à un vantail
Single leaf door



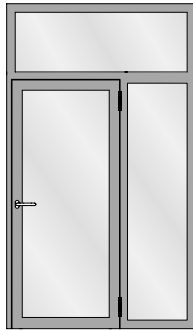
Einflügelige Türe mit Riegel
Porte à un vantail avec traverses
Single leaf door with transoms



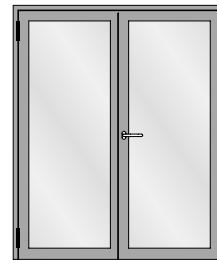
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



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



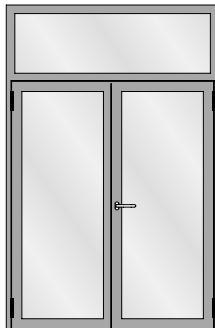
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



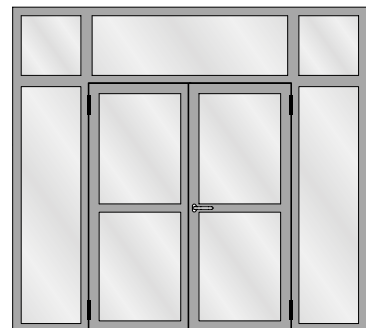
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



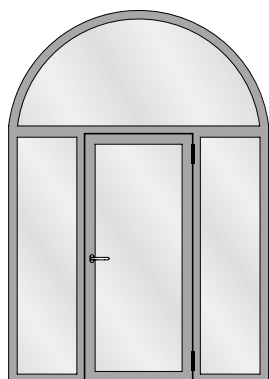
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deux parties latérales fixes
Double leaf door with two fixed side lights



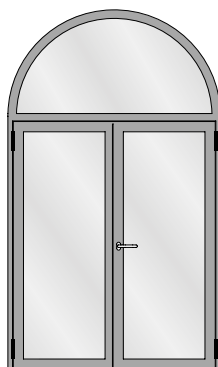
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



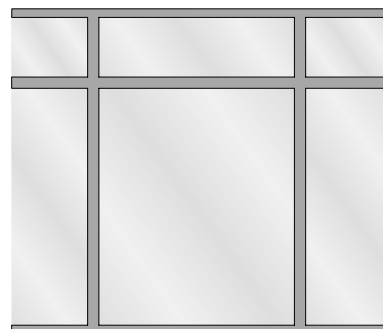
Zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte à deux vantaux avec deux parties latérales fixes et impostes fixes
Double leaf door with two fixed side lights and fixed top lights



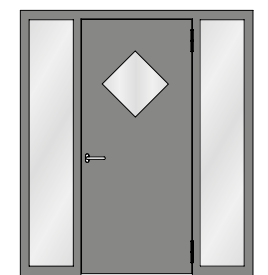
Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
 Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
 Single leaf door with two fixed side lights and round arched top light



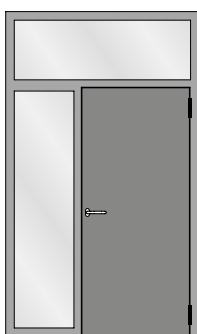
Zweiflügelige Türe mit Rundbogen-Oberlicht
 Porte à deux vantaux avec imposte demi-ronde
 Double leaf door with round arched top light



Festverglasung
 Vitrage fixe
 Fixed glazing



Verblechte einflügelige Türe mit zwei festen Seitenteilen
 Porte tôleée 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 tôleée 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 tôleée 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.

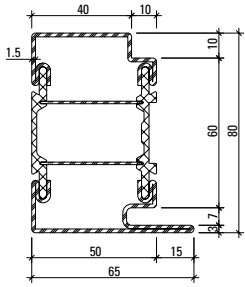
Hinweis Oberflächenbehandlung:
 Wegen der Lochschweißungen empfehlen wir eine Nasslackierung mit vorgängigem Spachteln.

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

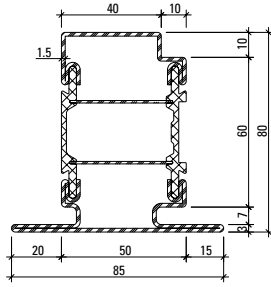
Indications sur le traitement de surface:
 En raison des soudures bouchons, nous recommandons un laquage avec vernis liquide précédé d'un rebouchage.

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.

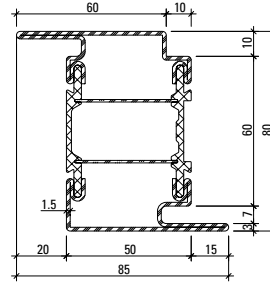
Surface treatment note:
 We recommend wet lacquering preceded by priming, due to the plug welds.



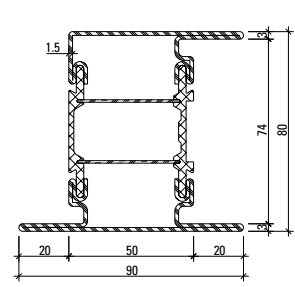
680.013 Z



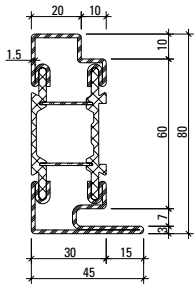
680.114 Z



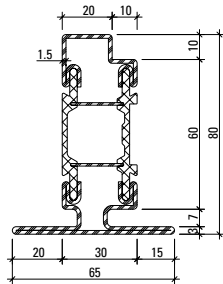
680.416 Z



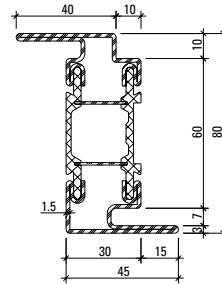
680.652 Z



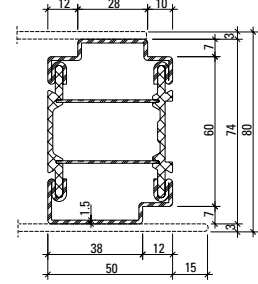
680.010 Z



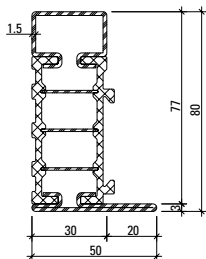
680.110 Z



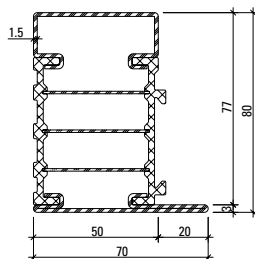
680.411 Z



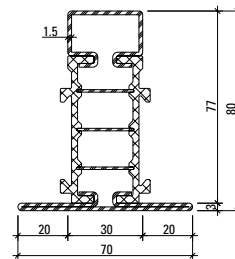
680.051 Z



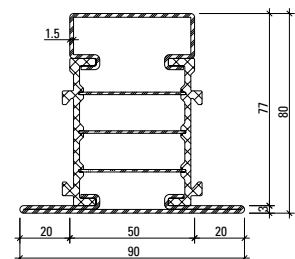
681.630 Z



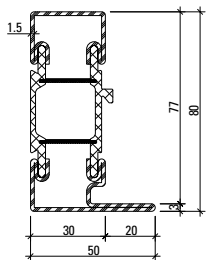
681.650 Z



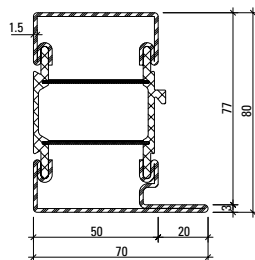
682.630 Z



682.650 Z



681.635 Z*



681.655 Z*

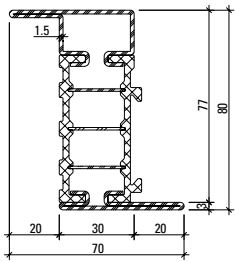
*in Kombination mit Bogen

*en combinaison avec des cintres

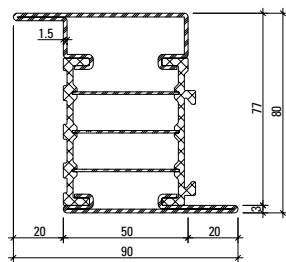
*in combination with arched design

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /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

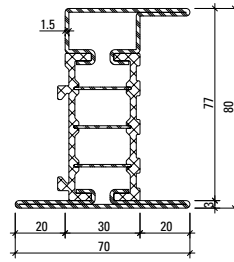
Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.010 Z	3,851	25,60	5,36	6,04	2,19	0,308
680.110 Z	4,435	29,52	5,62	10,06	2,99	0,357
680.411 Z	4,440	34,55	8,53	10,05	2,99	0,357
680.051 Z	3,635	21,02	5,61	11,88	4,68	0,280
681.630 Z	3,713	25,83	5,65	5,61	1,85	0,297
681.650 Z	4,331	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



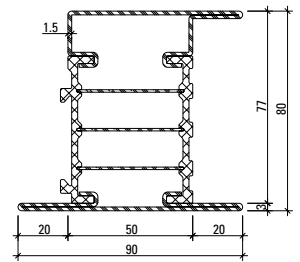
683.630 Z



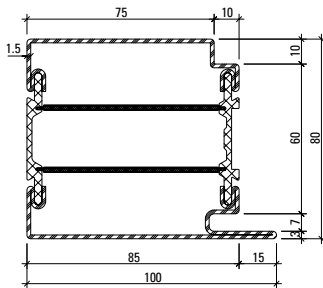
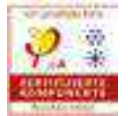
683.650 Z



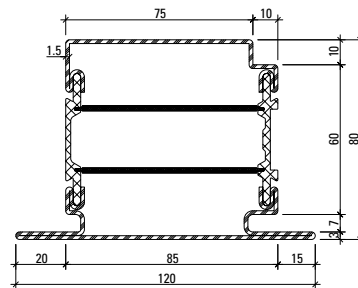
685.630 Z



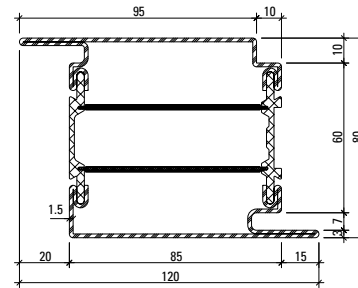
685.650 Z



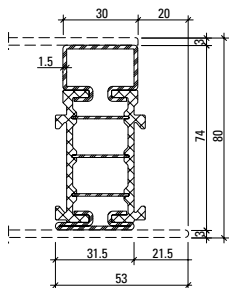
680.016 Z



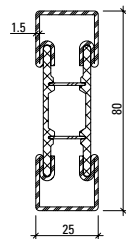
680.115 Z



680.417 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

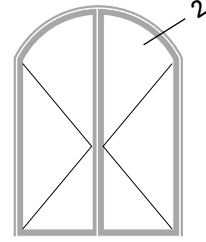
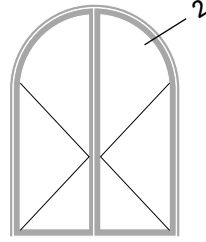
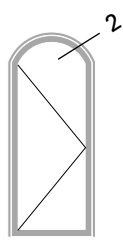
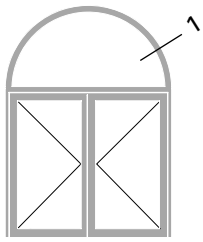
Insulator = glassfibre reinforced plastic

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y 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

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.016 Z	5.688	43.69	9.60	62.25	11.95	0.417
680.115 Z	5.948	48.44	9.83	81.85	13.31	0.466
680.417 Z	6.257	52.25	12.94	81.91	13.32	0.466
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

Bogentüren
Portes cintrées
Arched doors

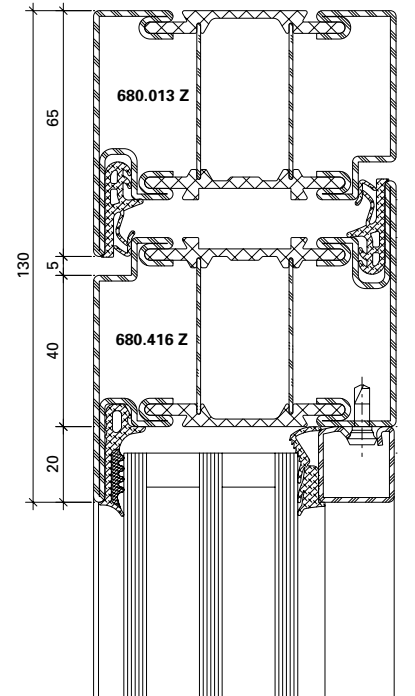
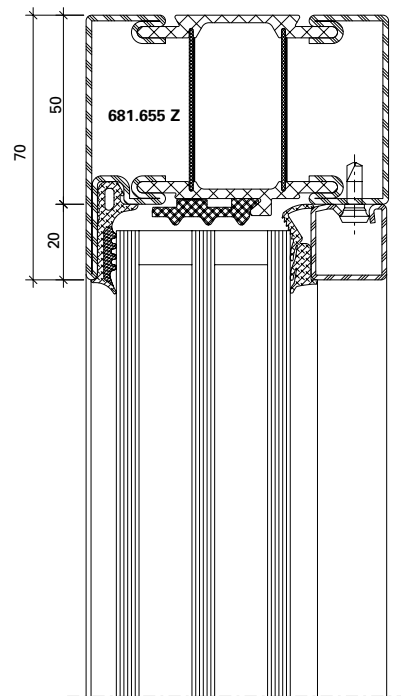
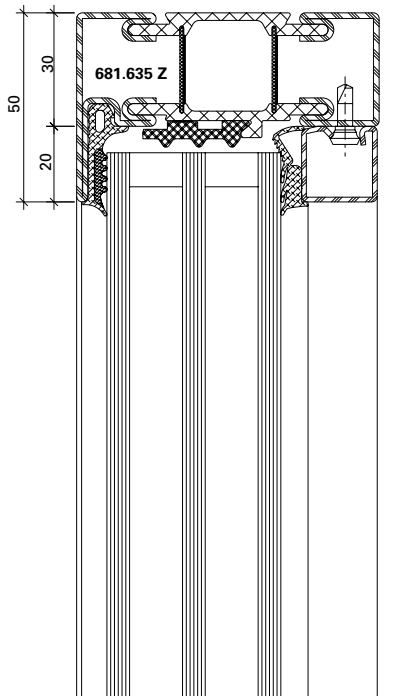
Janisol HI Türen
Janisol HI portes
Janisol HI doors



1.0

1.1

2.0



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

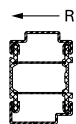
Les rayons indiqués concernent la fabrication des cintres par la société Jansen.

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

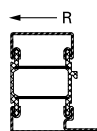
Bogentüren
Portes cintrées
Arched doors

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---

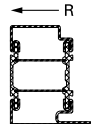


680.051 Z	600 mm
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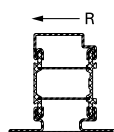


681.635 Z	700 mm
681.655 Z	750 mm

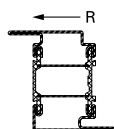
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---



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.

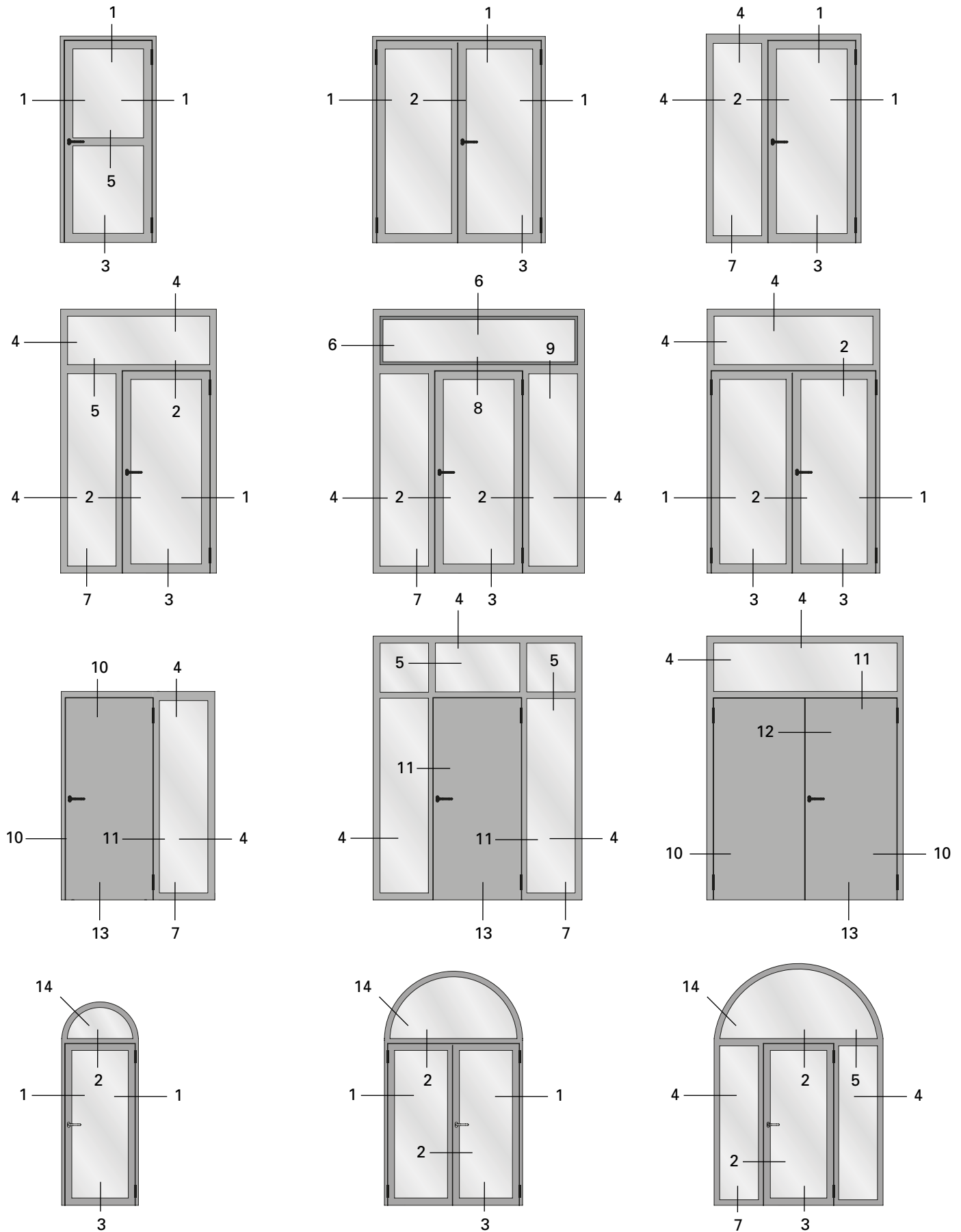
Bitte benutzen Sie unsere Bestellvorlagen auf docucenter.jansen.com

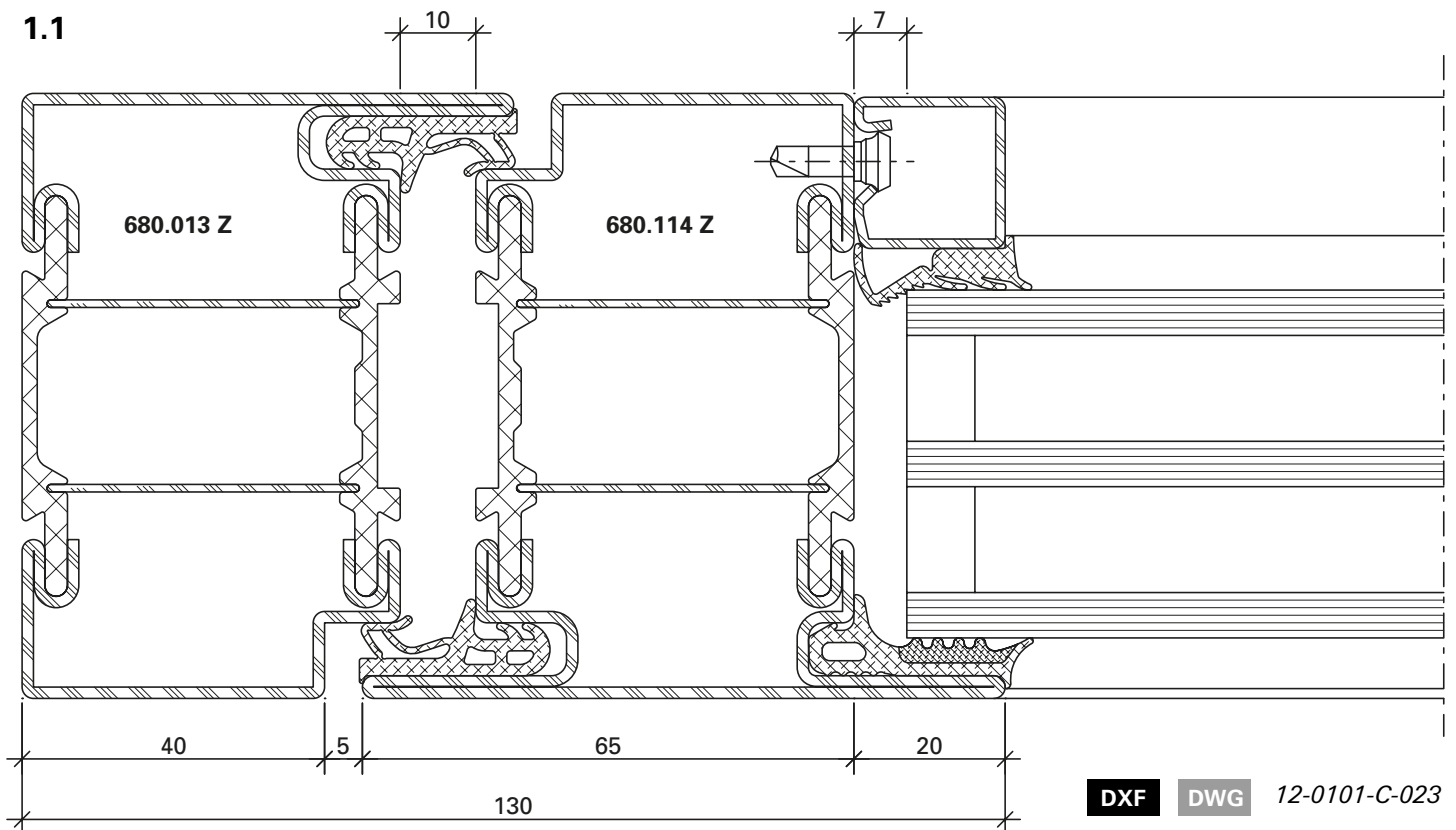
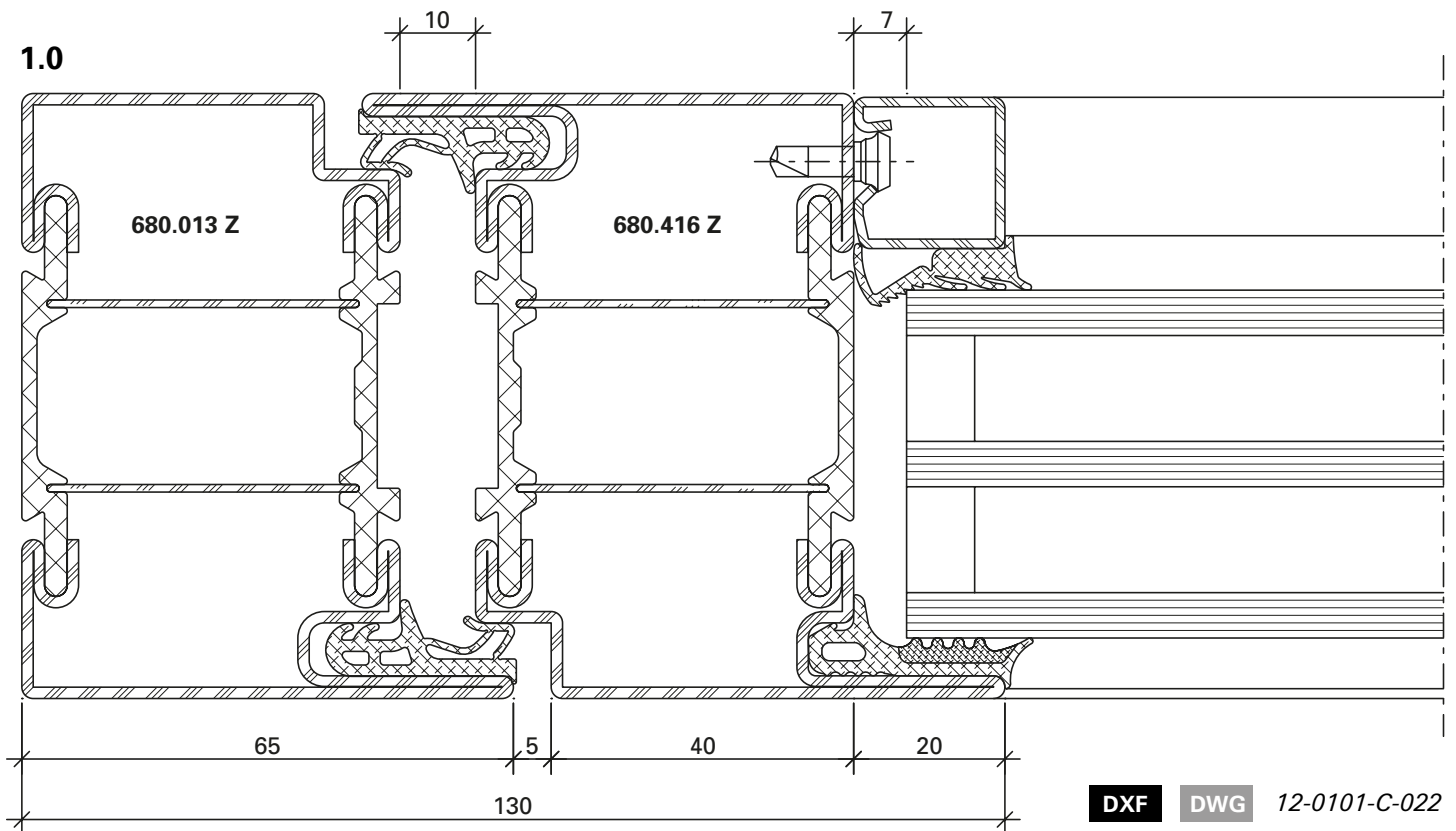
Autres types de profilés et profilés au tracé cintré sur demande.

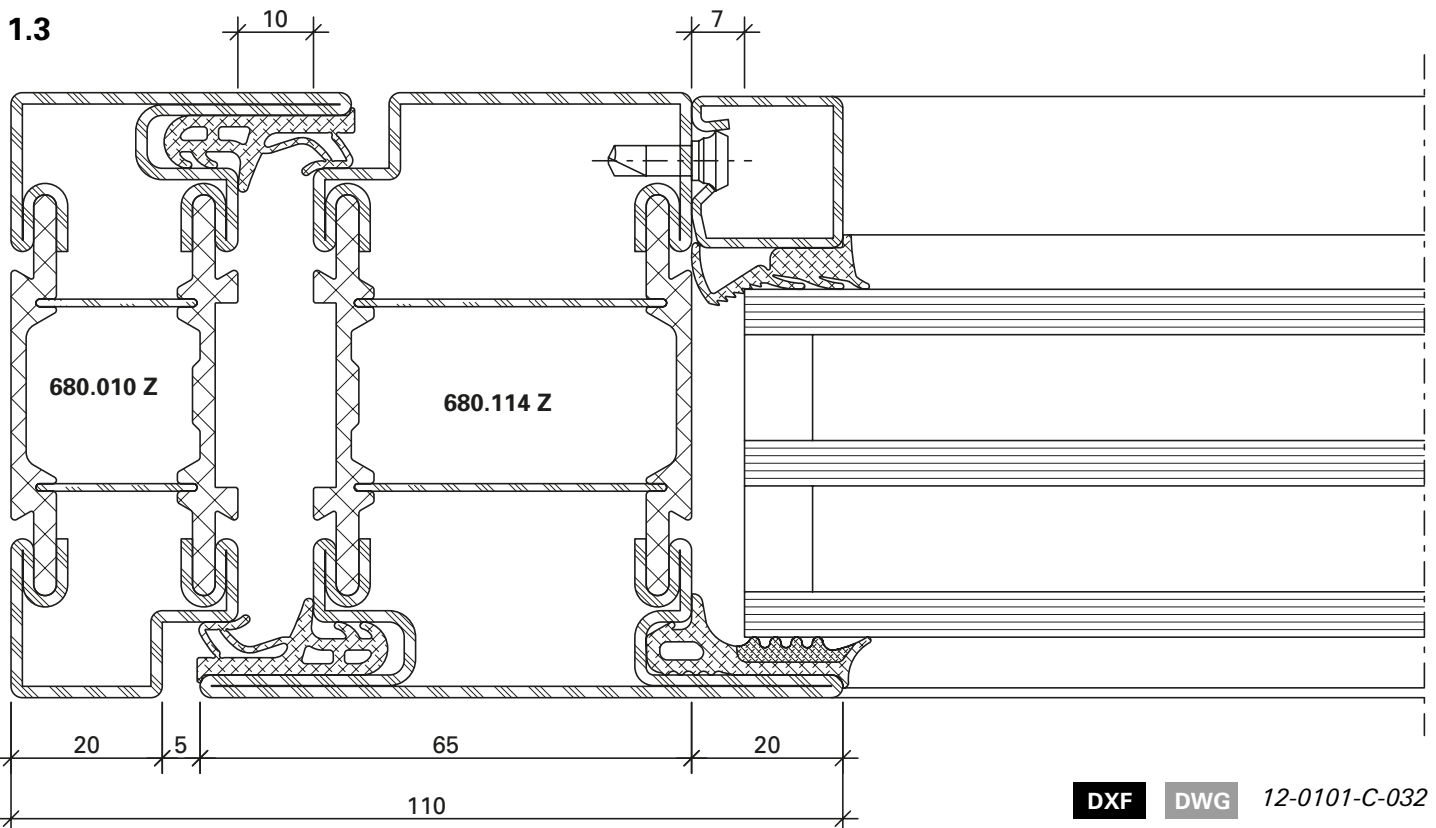
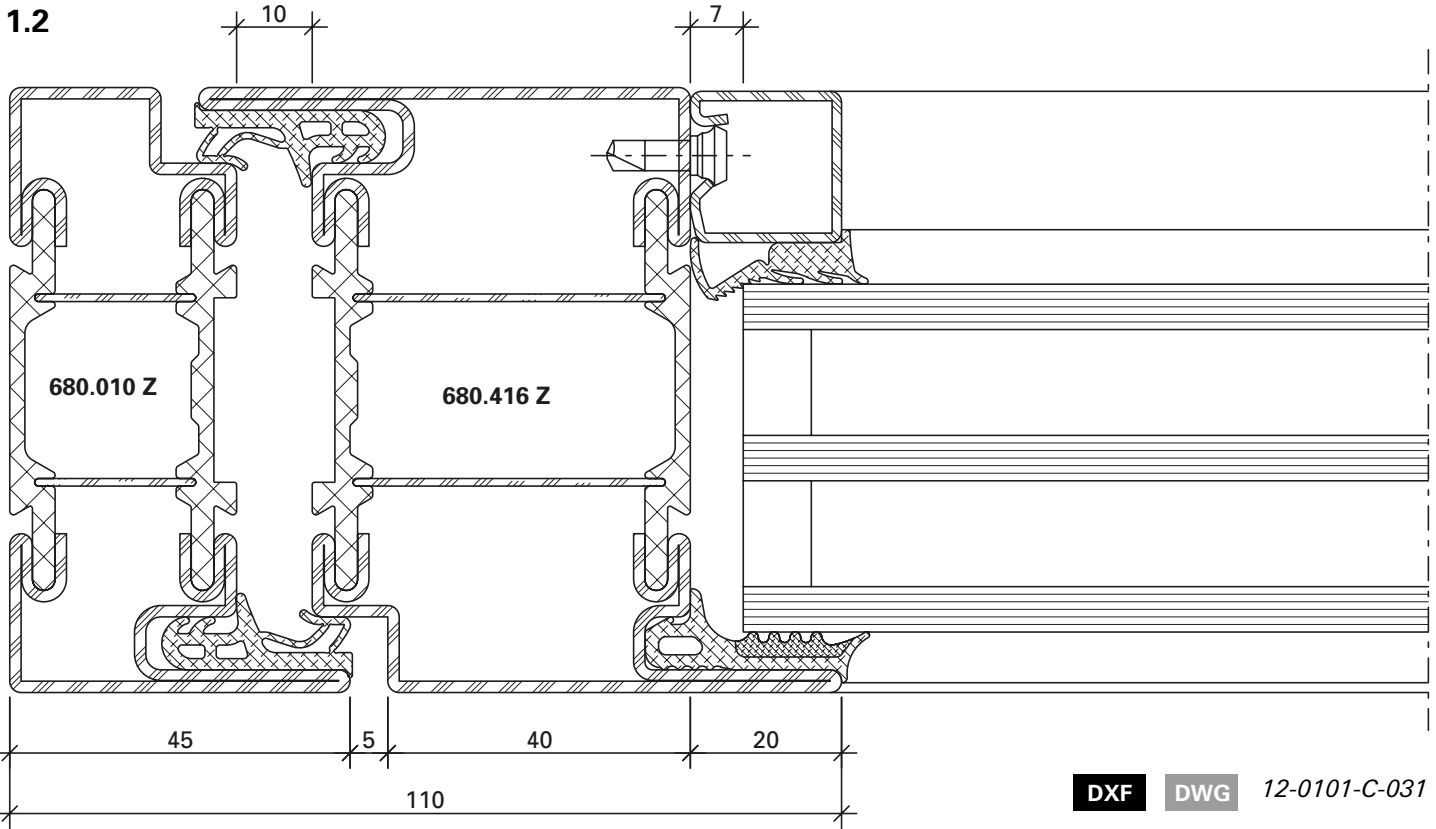
Veuillez utiliser nos formulaires de commande sur docucenter.jansen.com

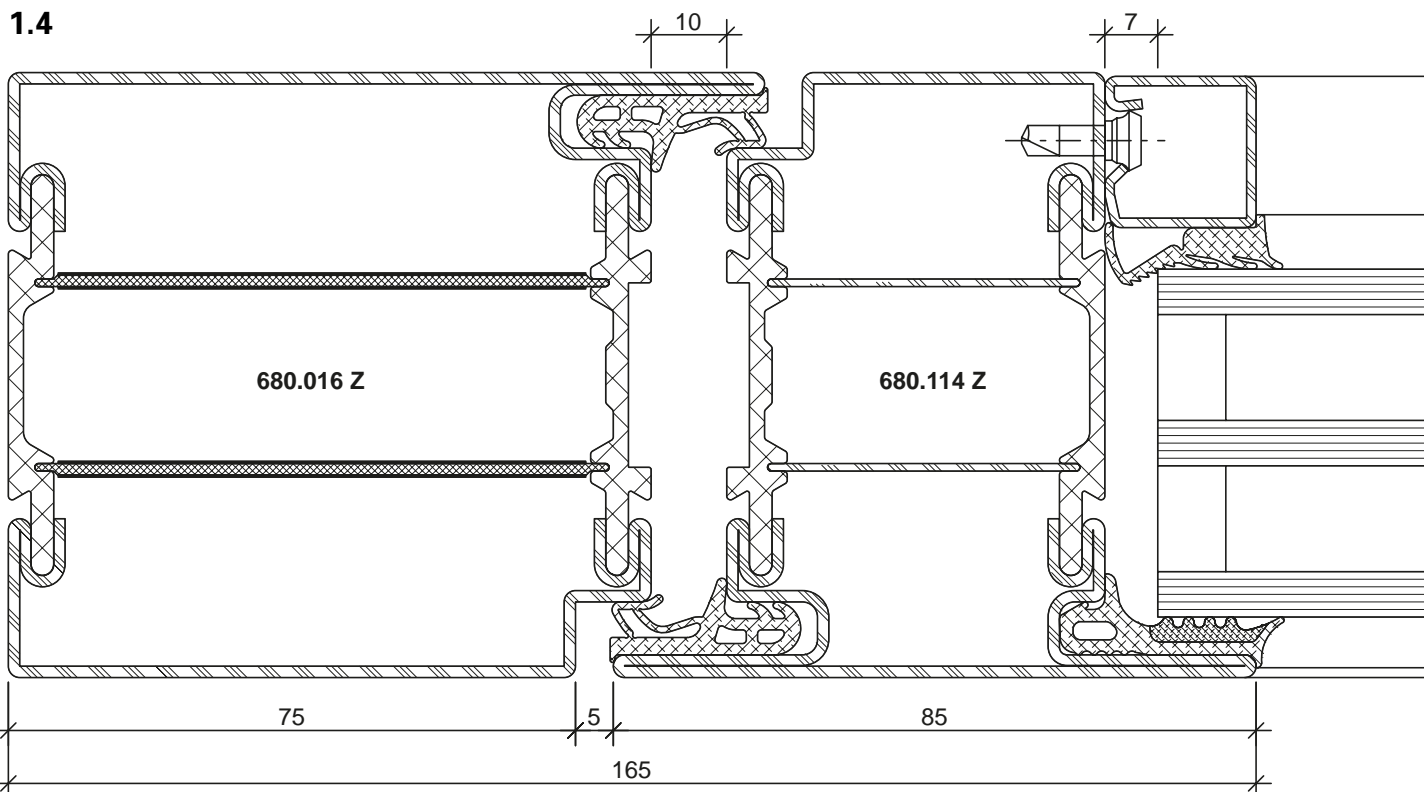
Other profile types and profiles curved in the floor plan are available on request.

Please use our order forms on docucenter.jansen.com

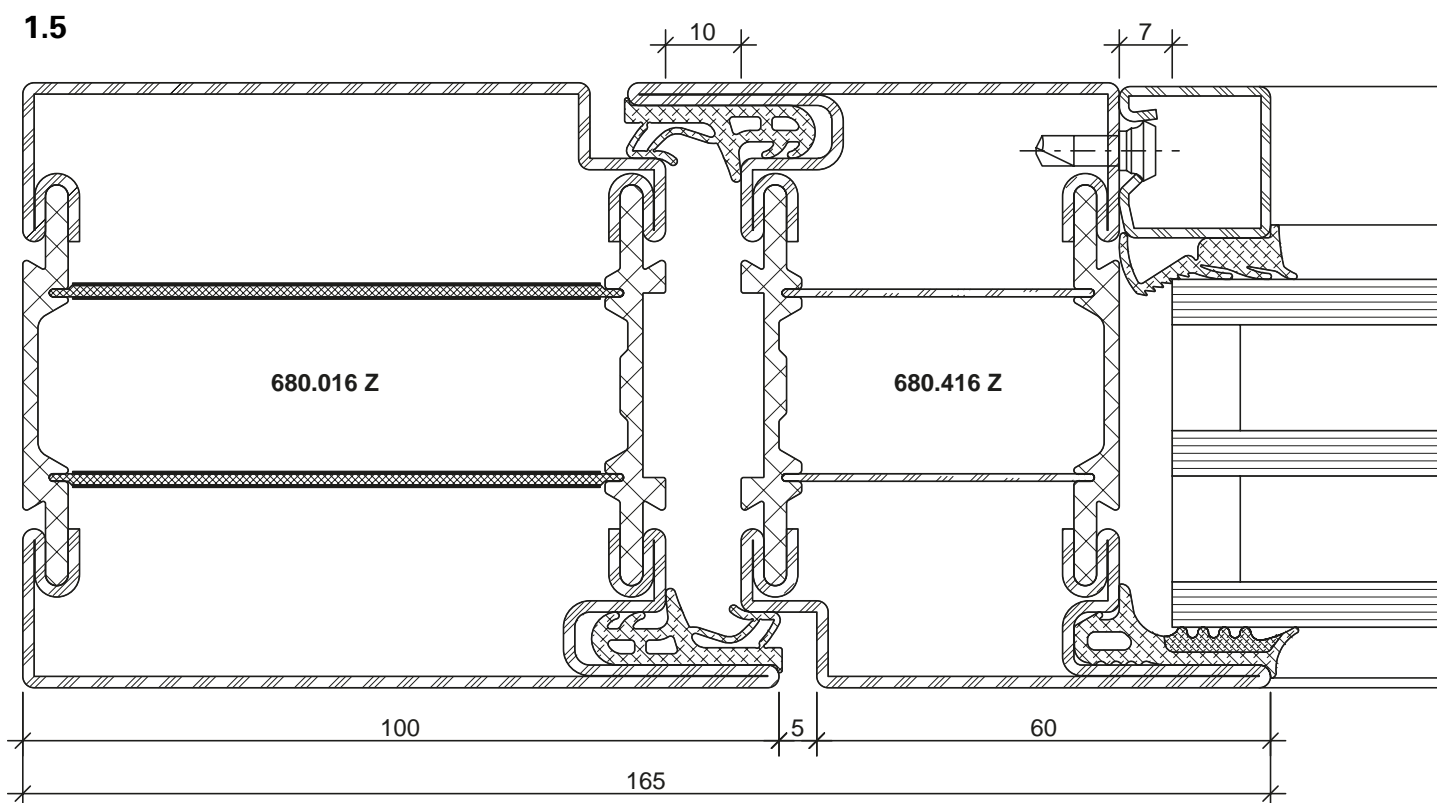






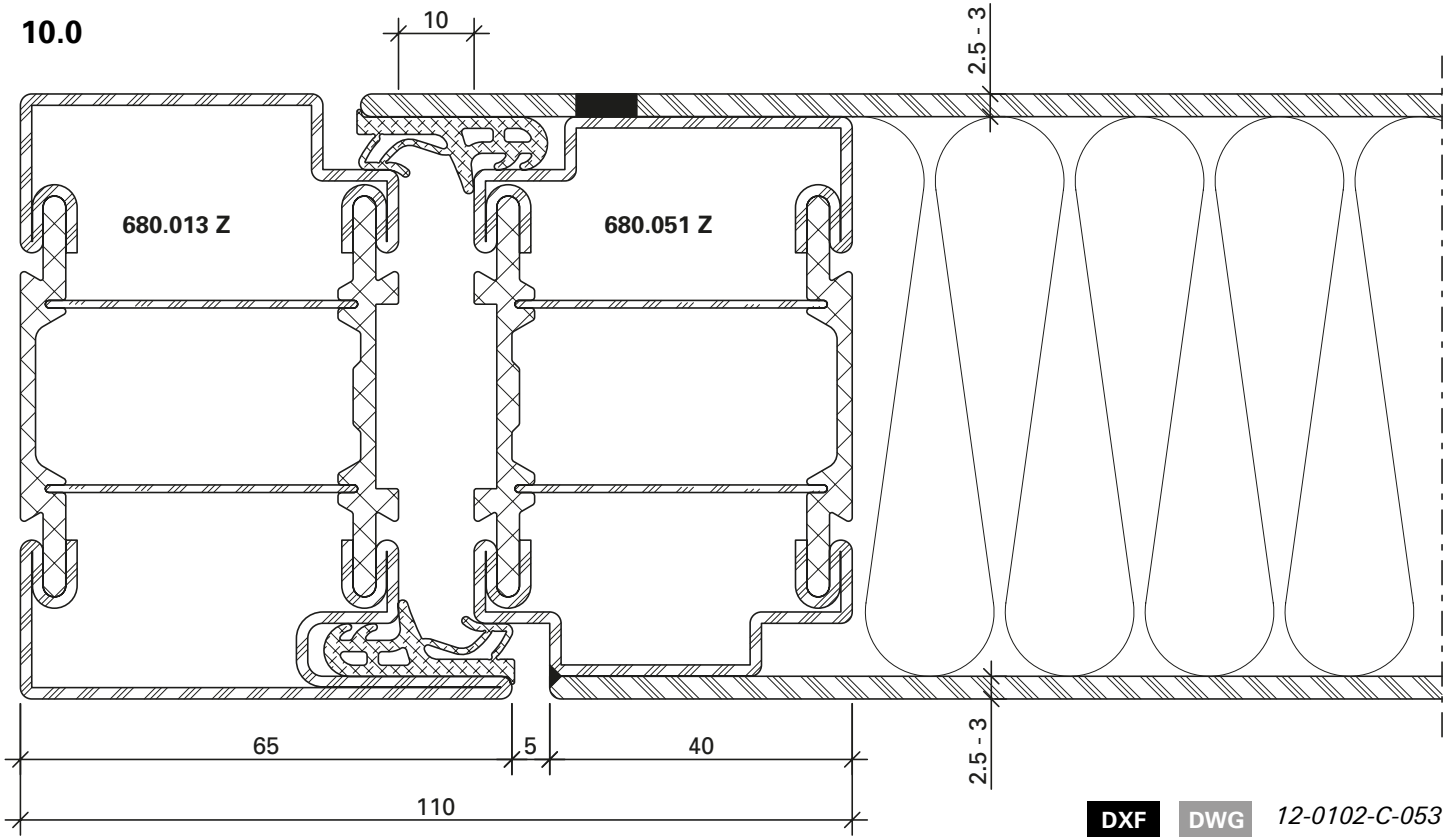


DXF **DWG** 12-0101-C-042



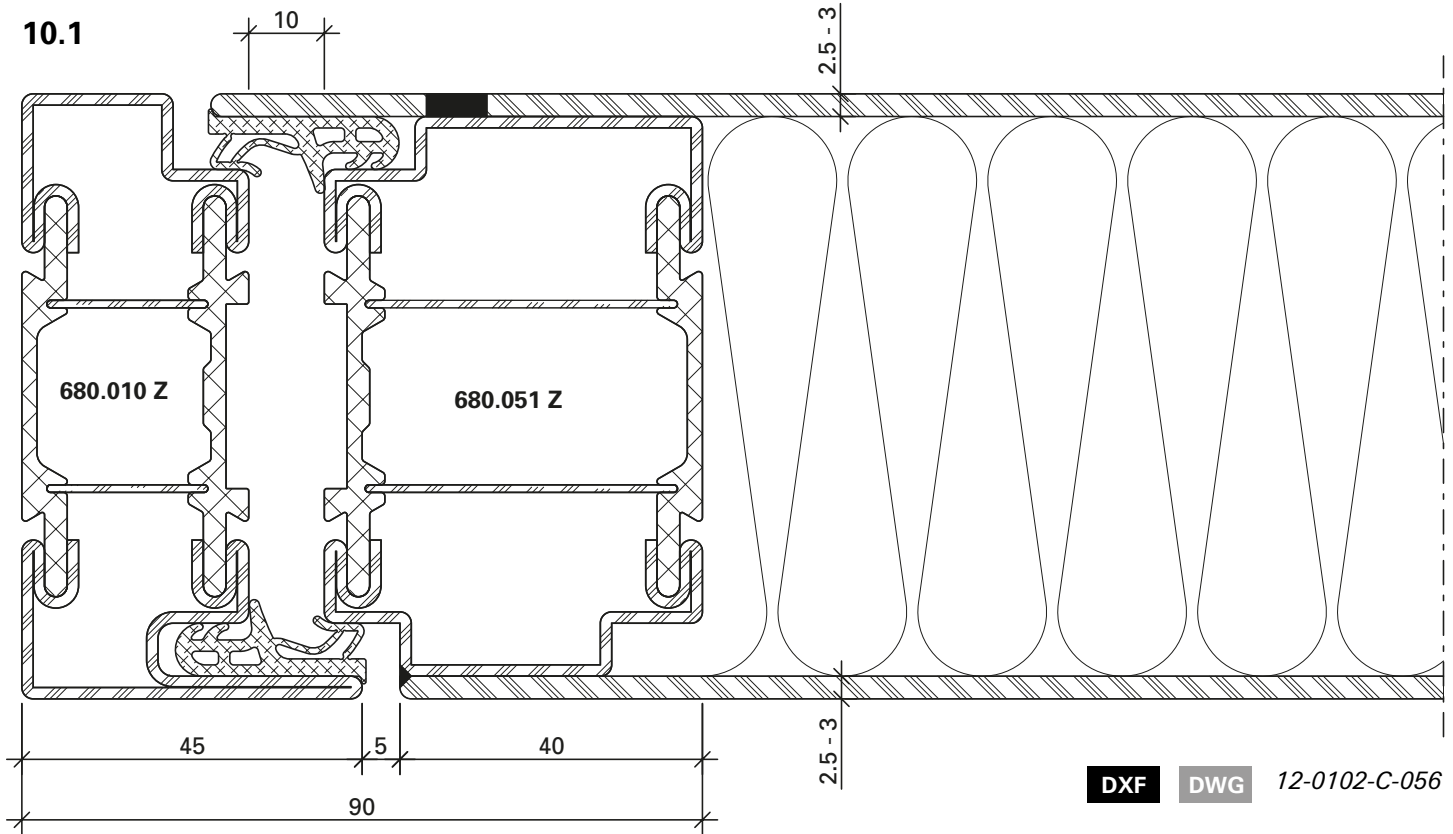
DXF **DWG** 12-0101-C-050

10.0



DXF DWG 12-0102-C-053

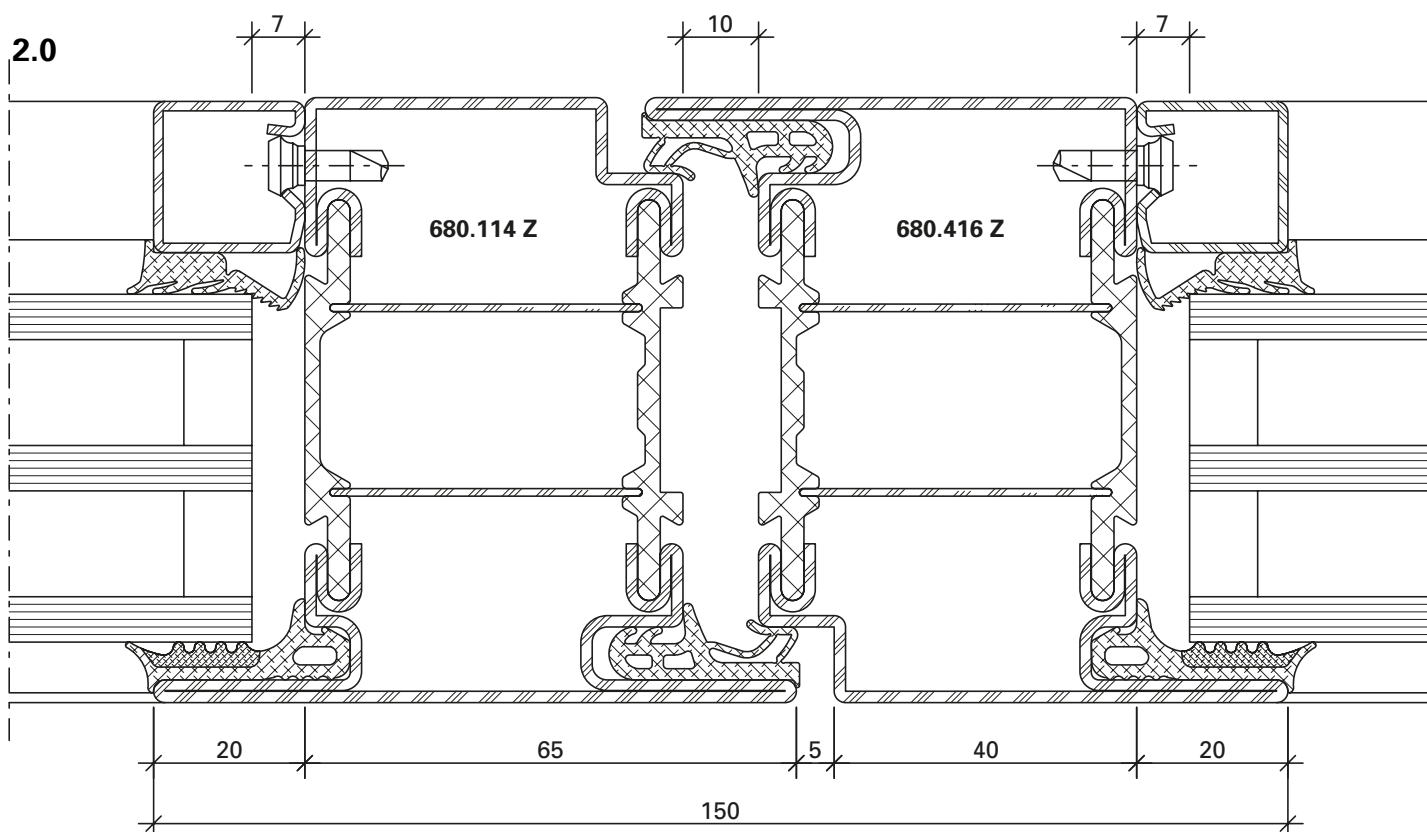
10.1



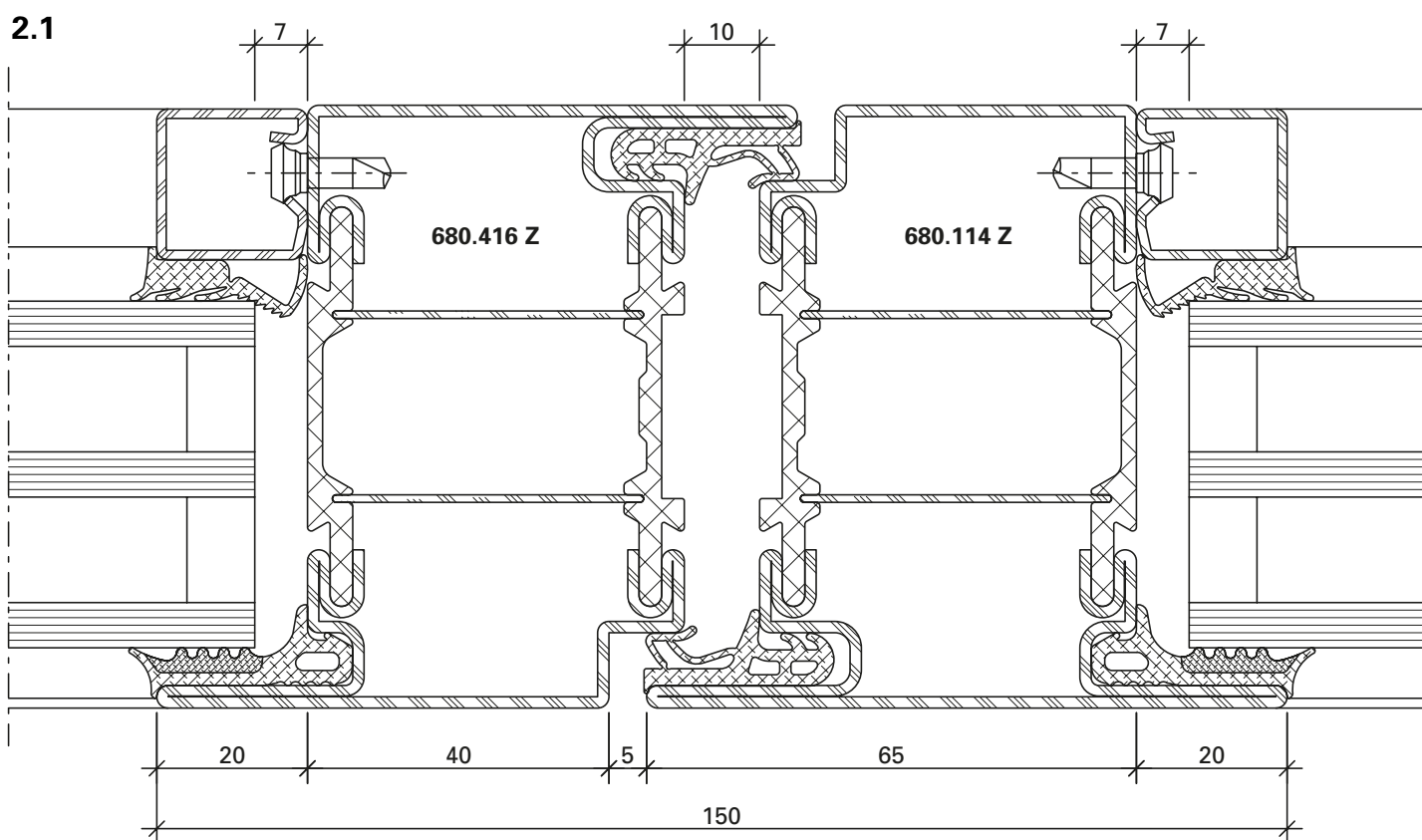
DXF DWG 12-0102-C-056

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors

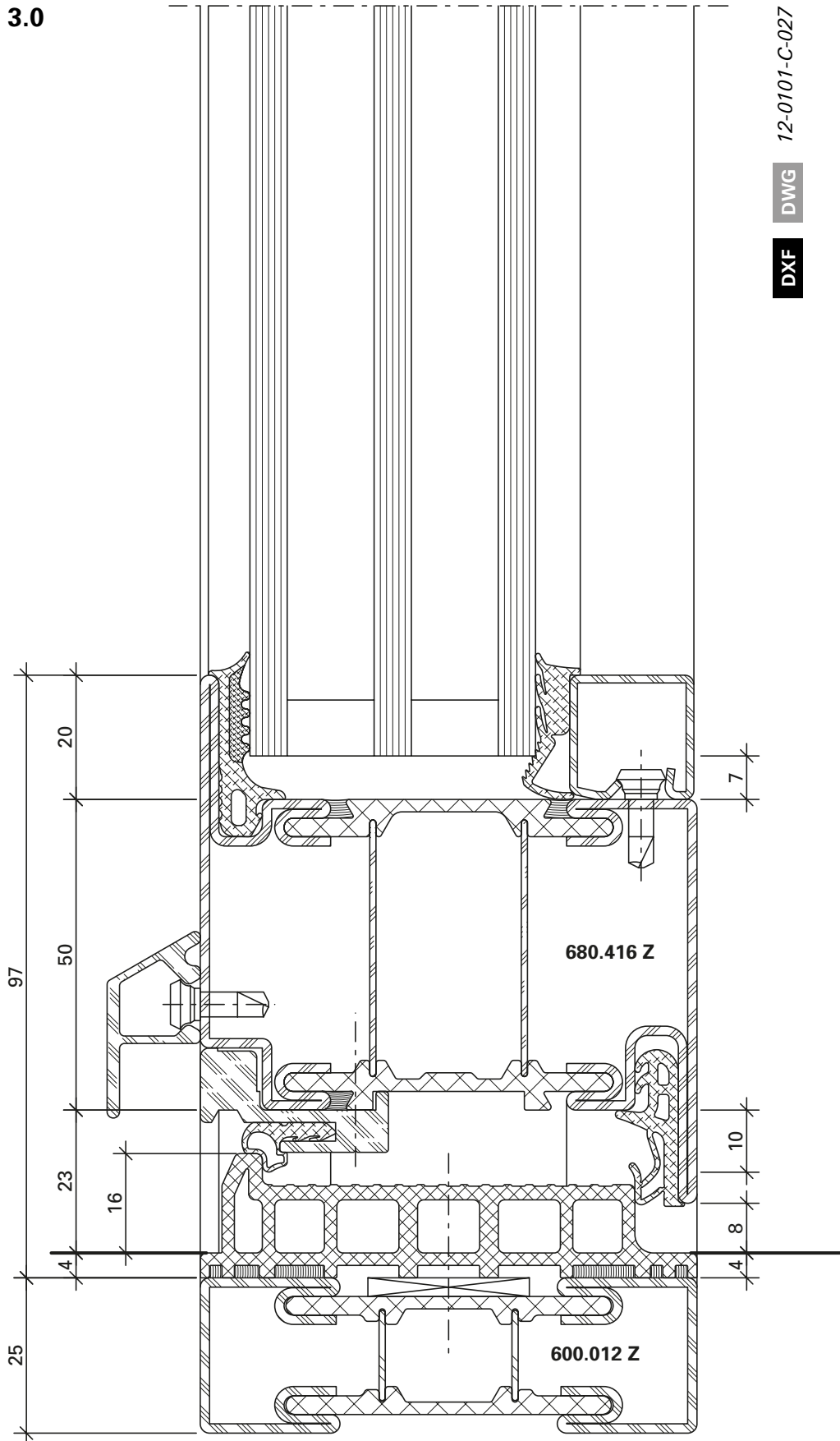


DXF DWG 12-0101-C-024



DXF DWG 12-0101-C-025

3.0

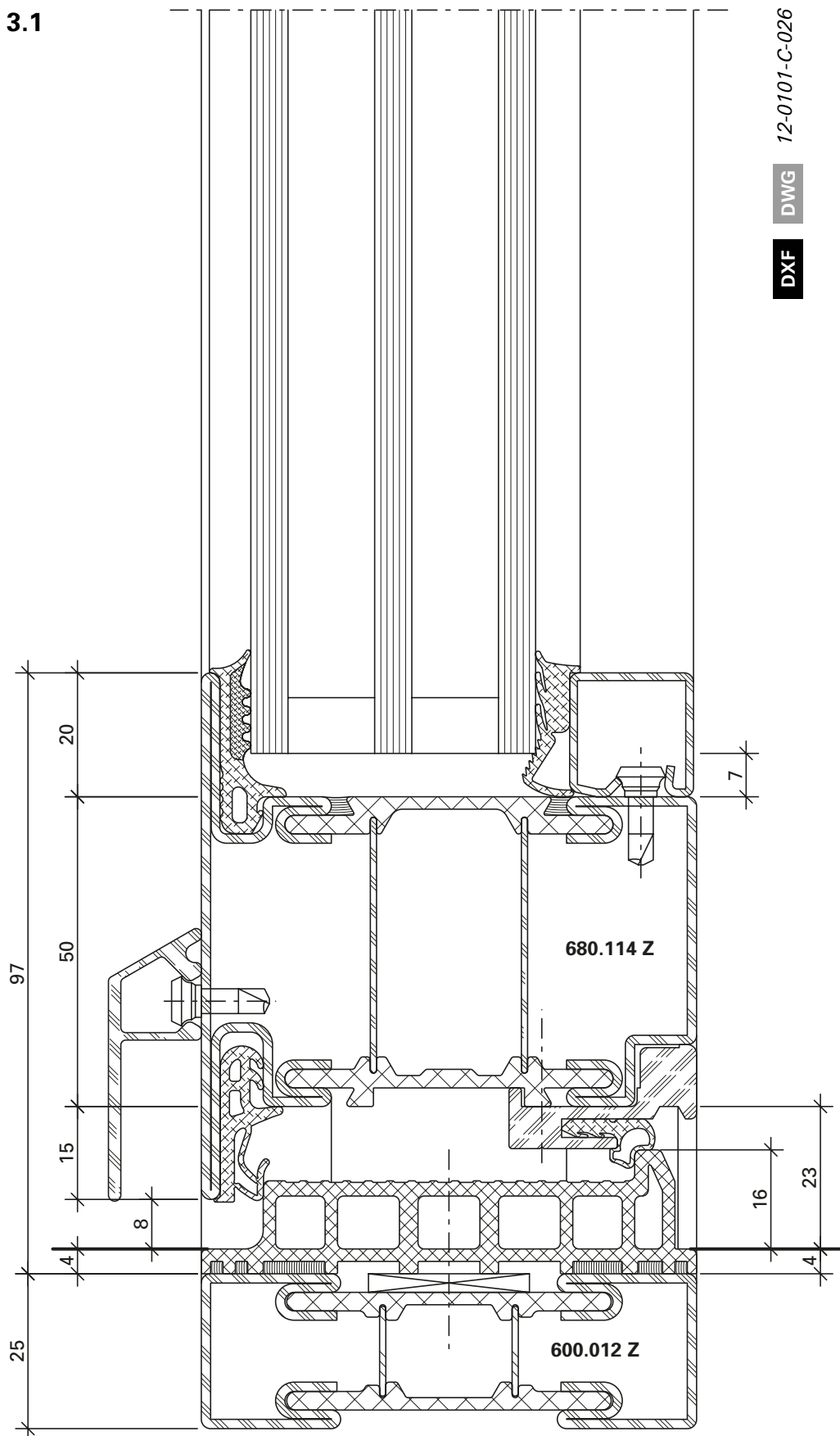


12-0101-C-027

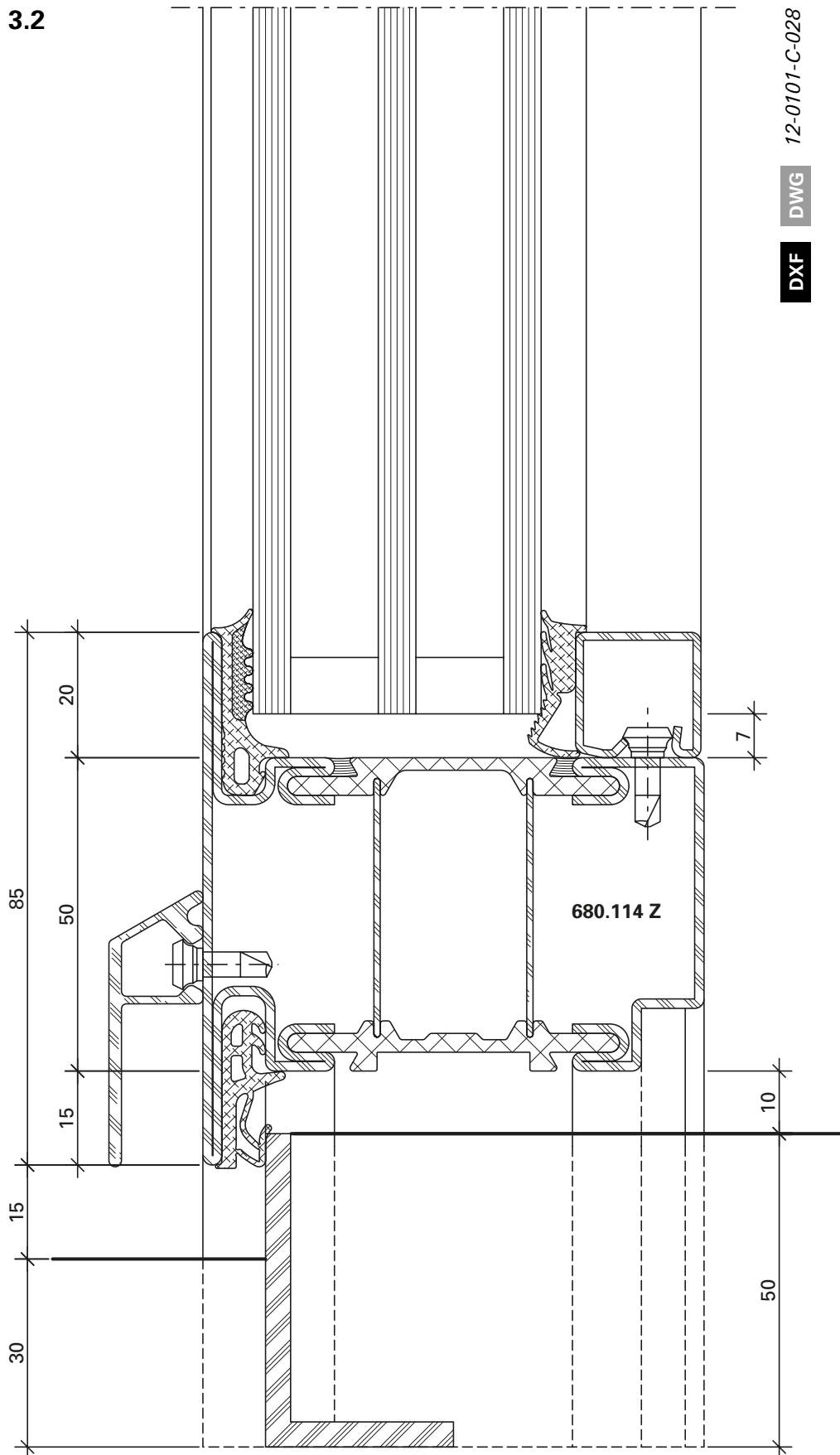
DWG

DXF

3.1



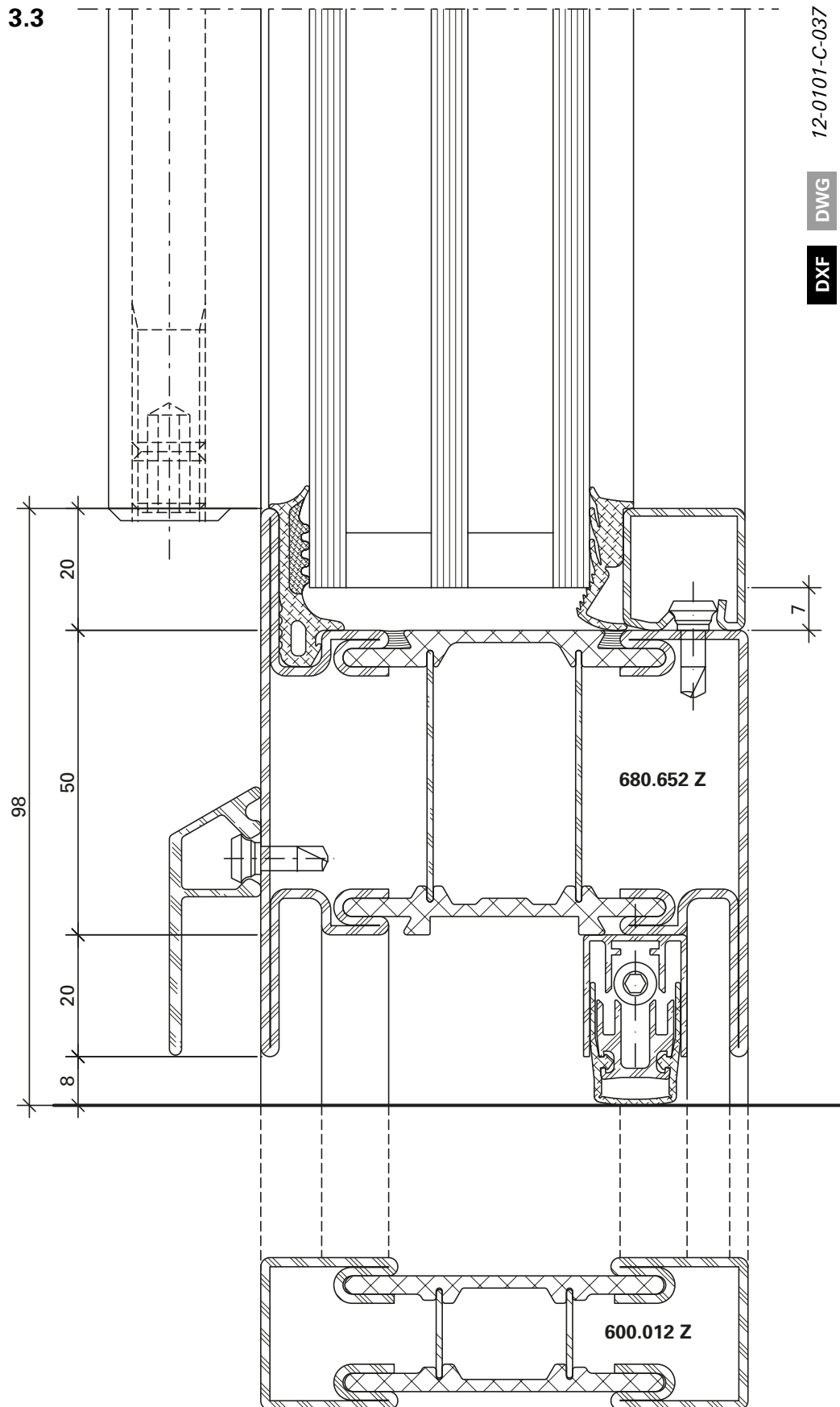
3.2



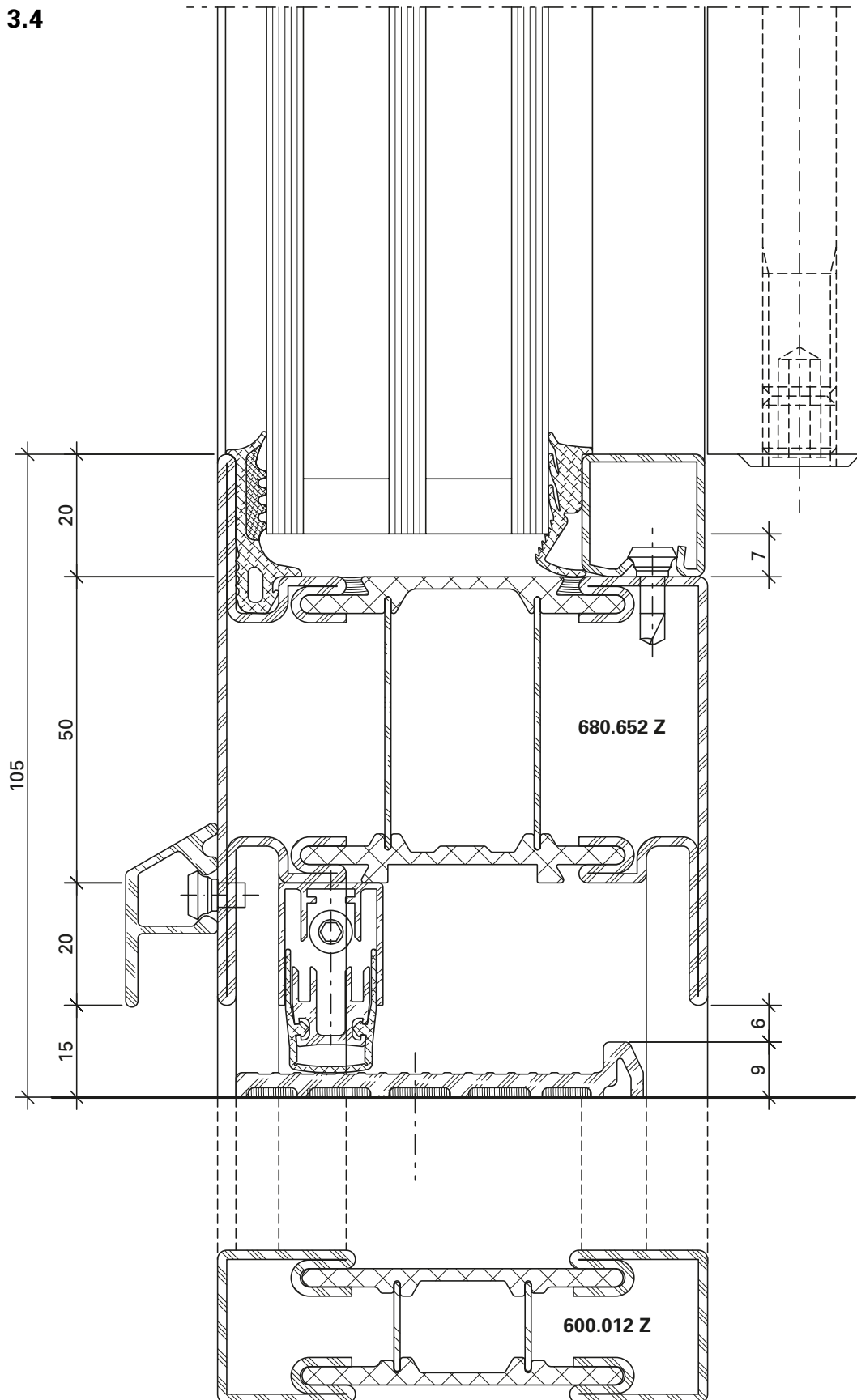
12-0101-C-028

DWG

DXF



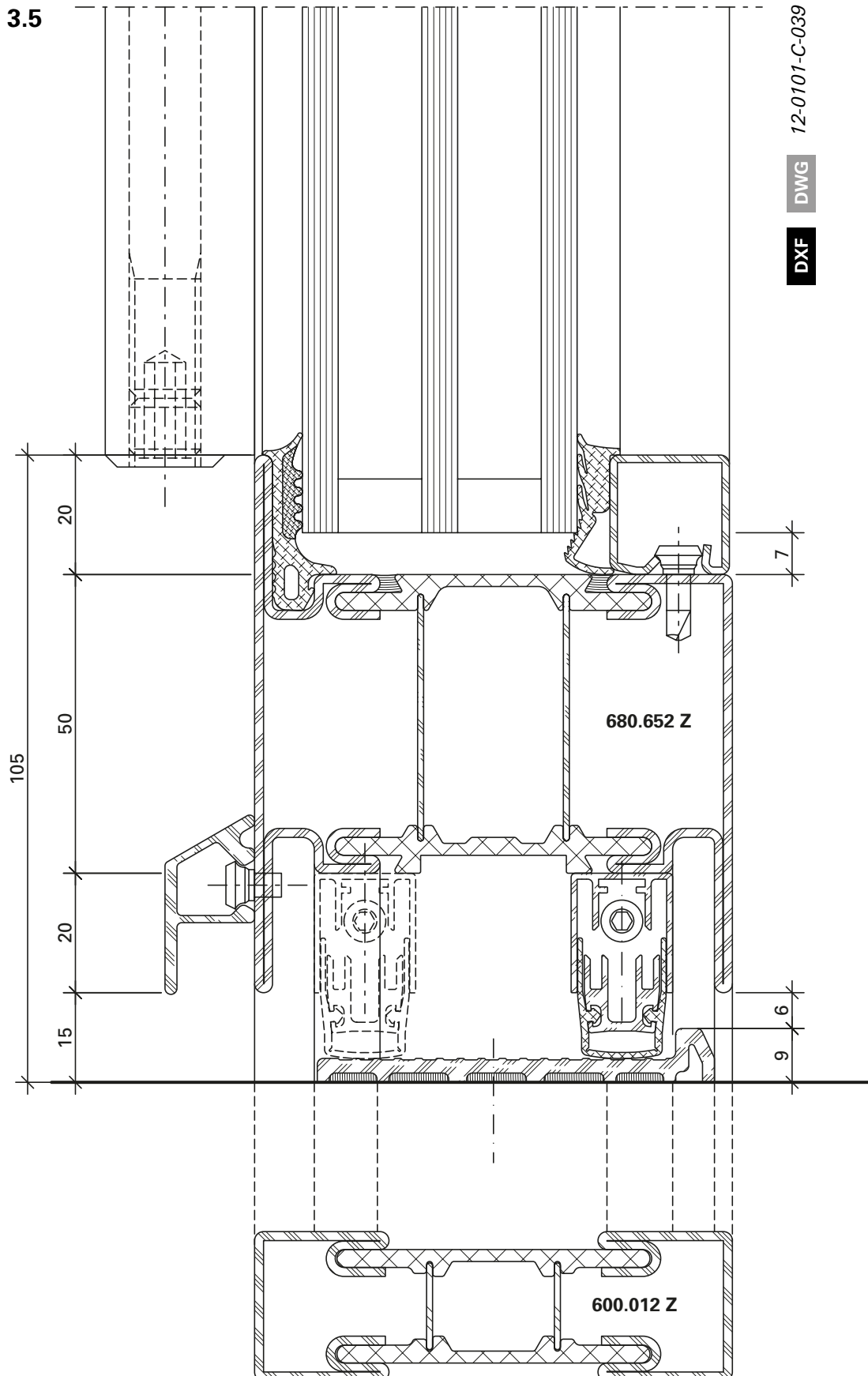
3.4



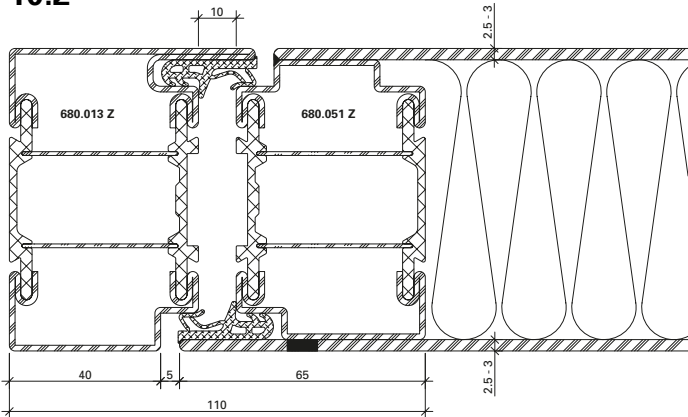
12-0101-C-038

DWG

DXF

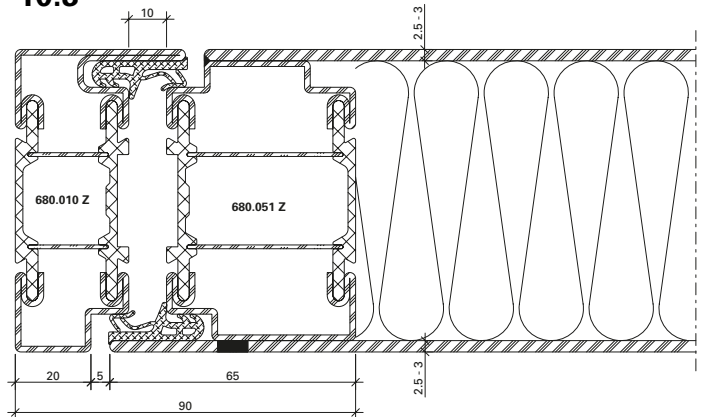


10.2



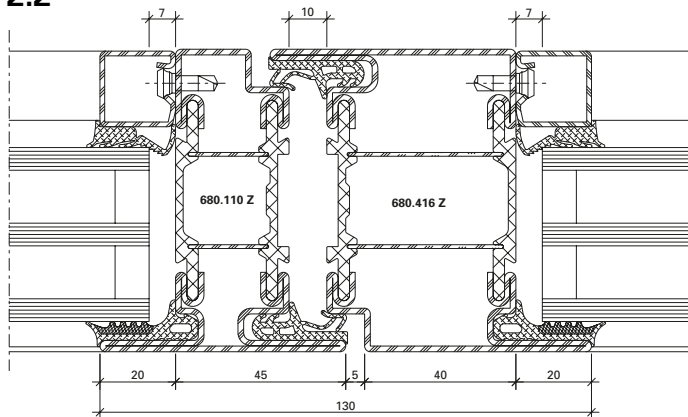
DXF **DWG** 12-0102-C-054

10.3



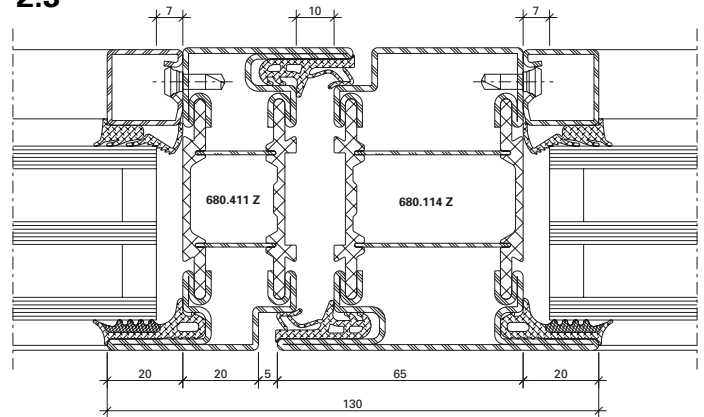
DXF **DWG** 12-0102-C-055

2.2



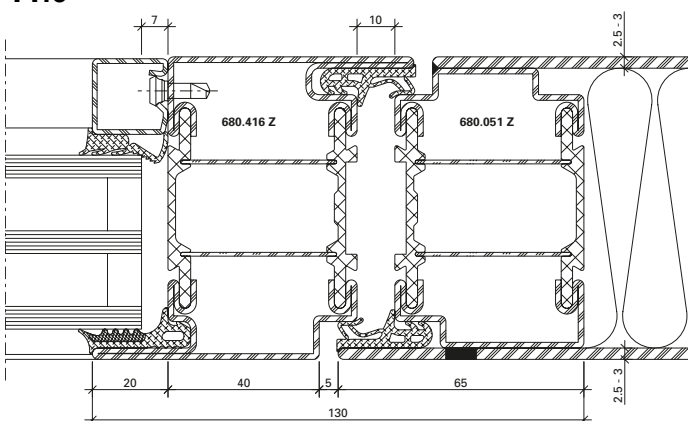
DXF **DWG** 12-0101-C-033

2.3



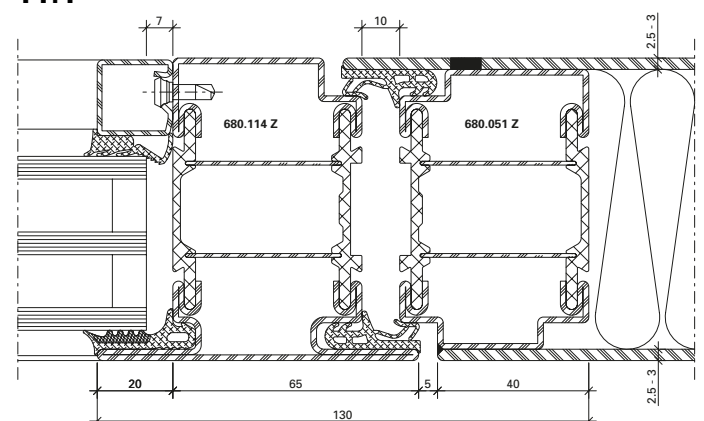
DXF **DWG** 12-0101-C-034

11.0



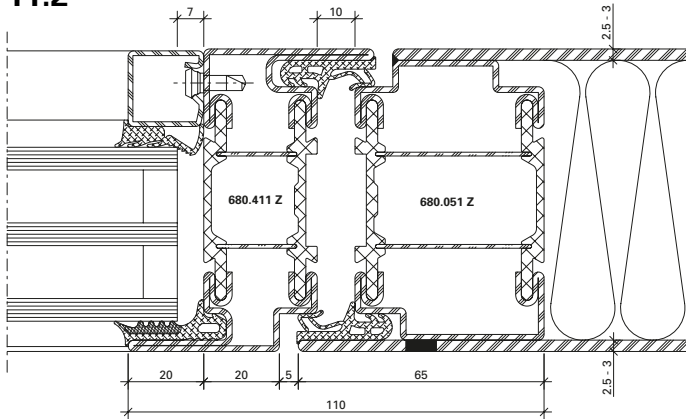
DXF **DWG** 12-0102-C-059

11.1



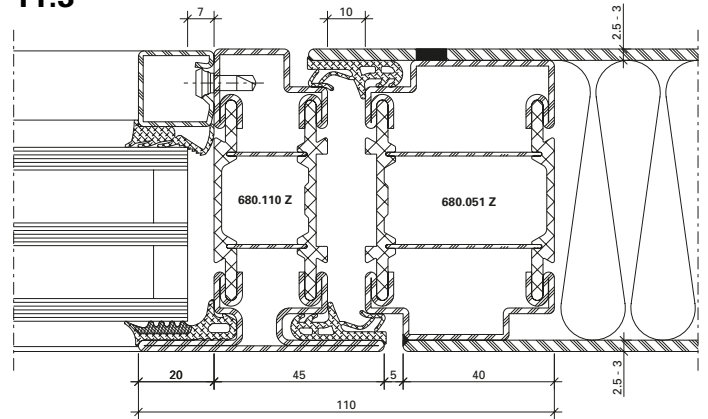
DXF **DWG** 12-0102-C-060

11.2



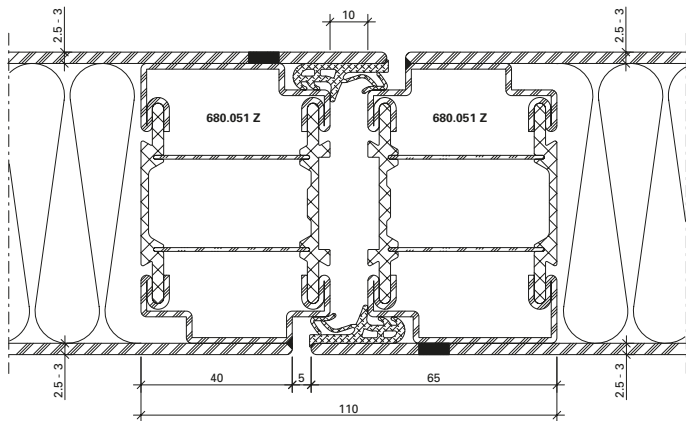
DXF **DWG** 12-0102-C-061

11.3



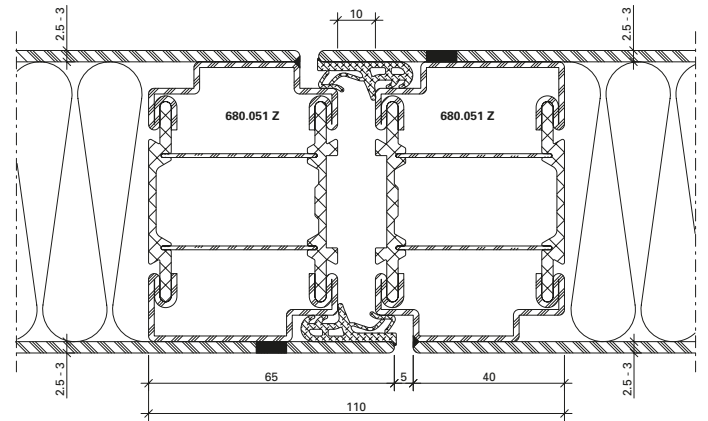
DXF **DWG** 12-0102-C-062

12.0



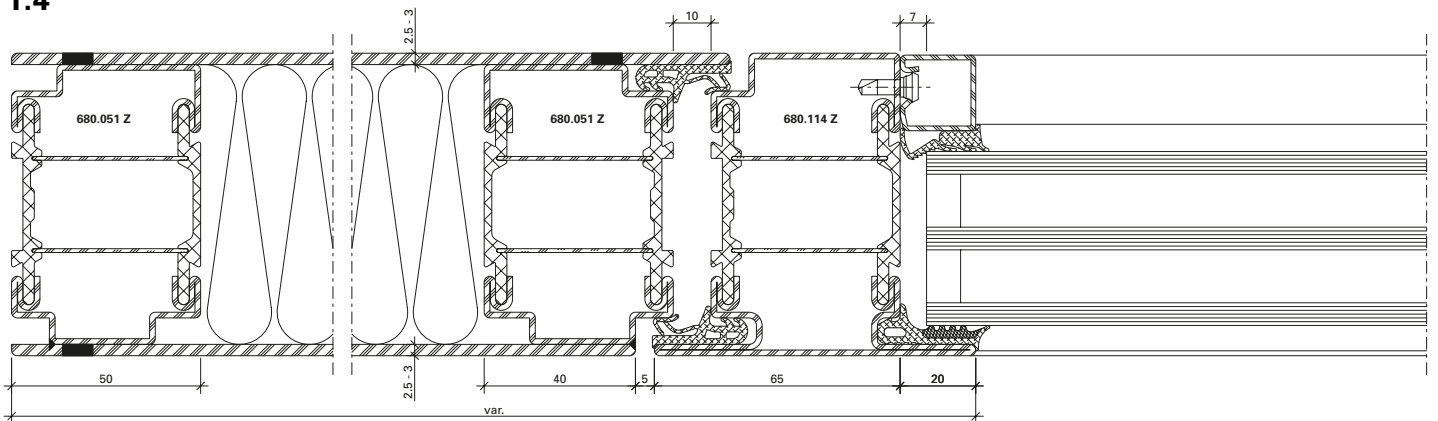
DXF **DWG** 12-0102-C-057

12.1



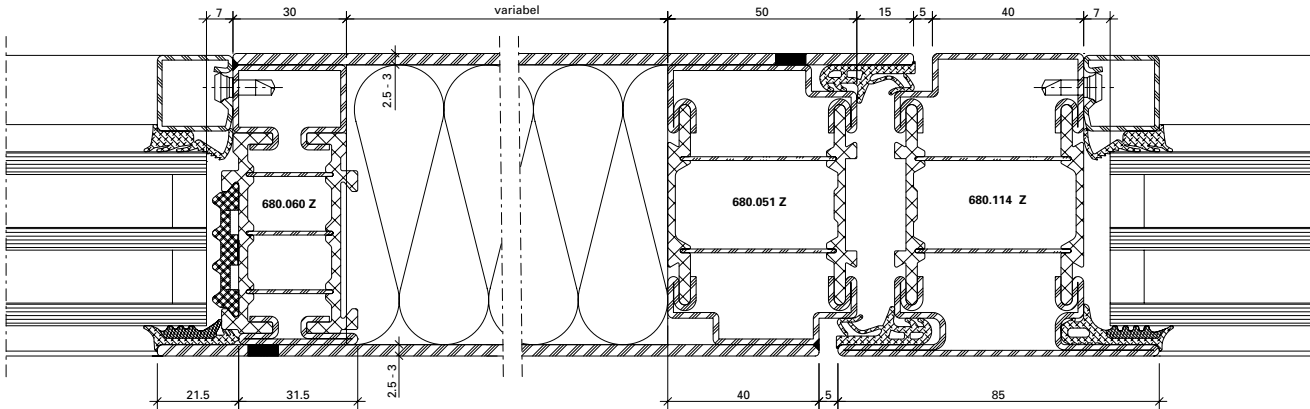
DXF **DWG** 12-0102-C-058

1.4



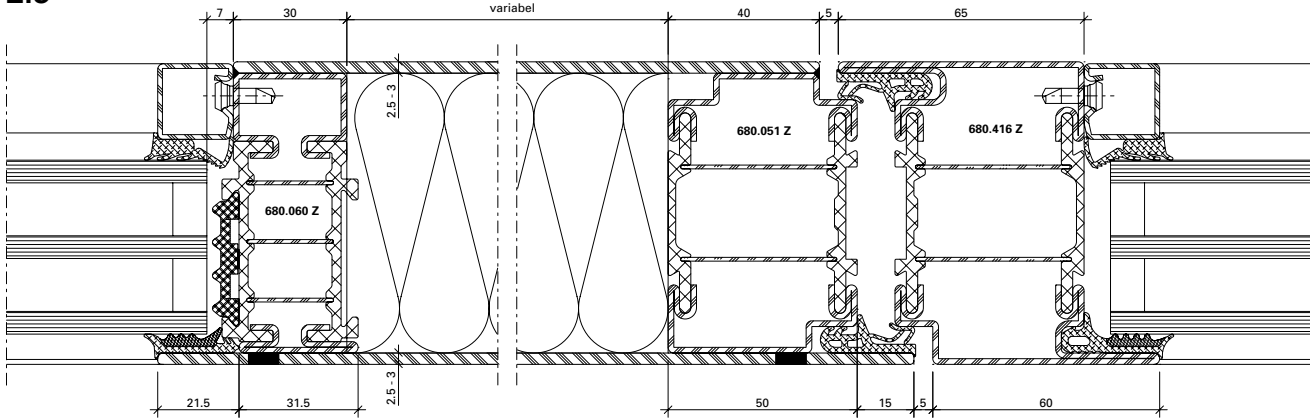
DXF **DWG** 12-0101-C-029

2.4



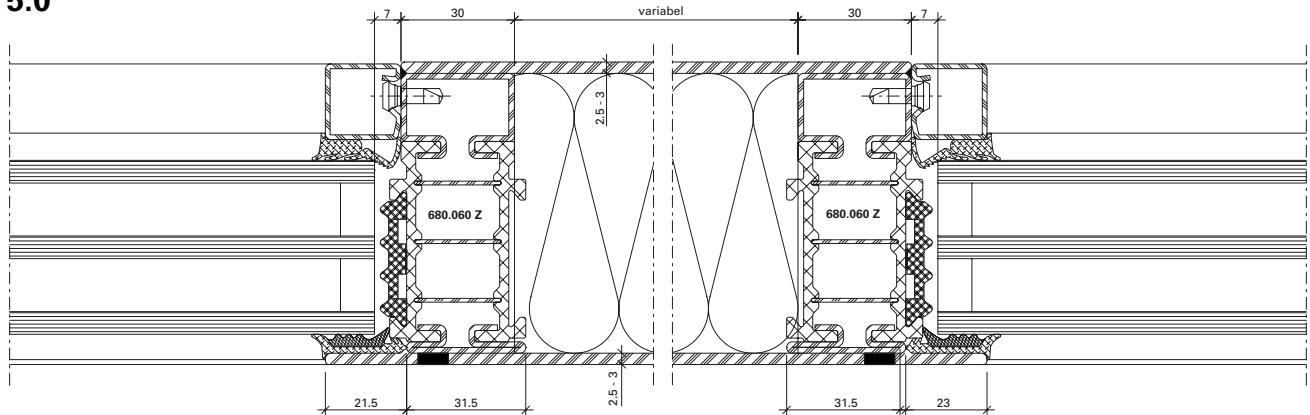
DXF DWG 12-0102-C-063

2.5



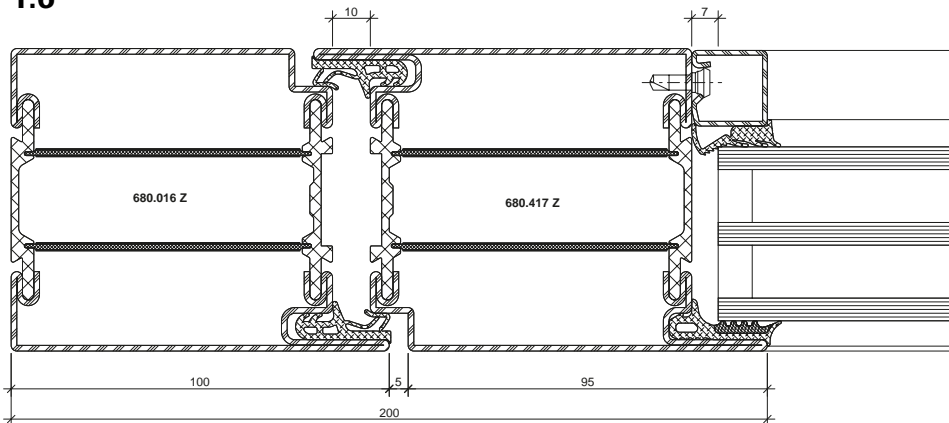
DXF DWG 12-0102-C-064

5.0



DXF DWG 12-0102-C-065

1.6

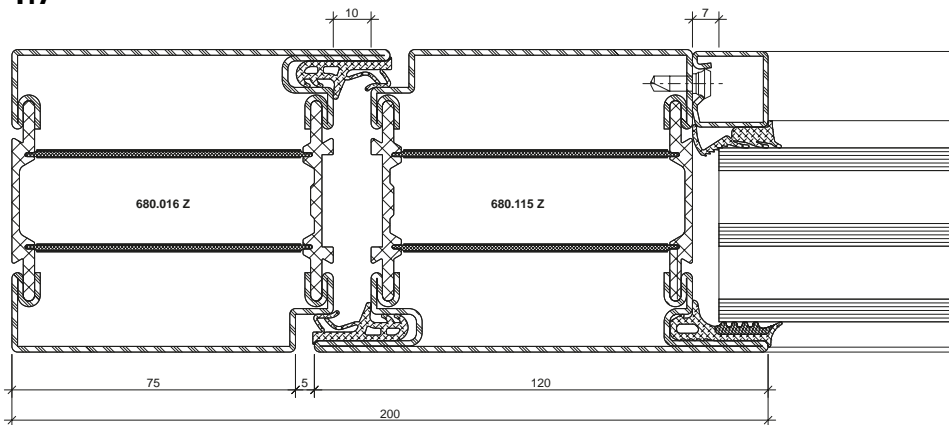


DXF

DWG

12-0101-C-043

1.7

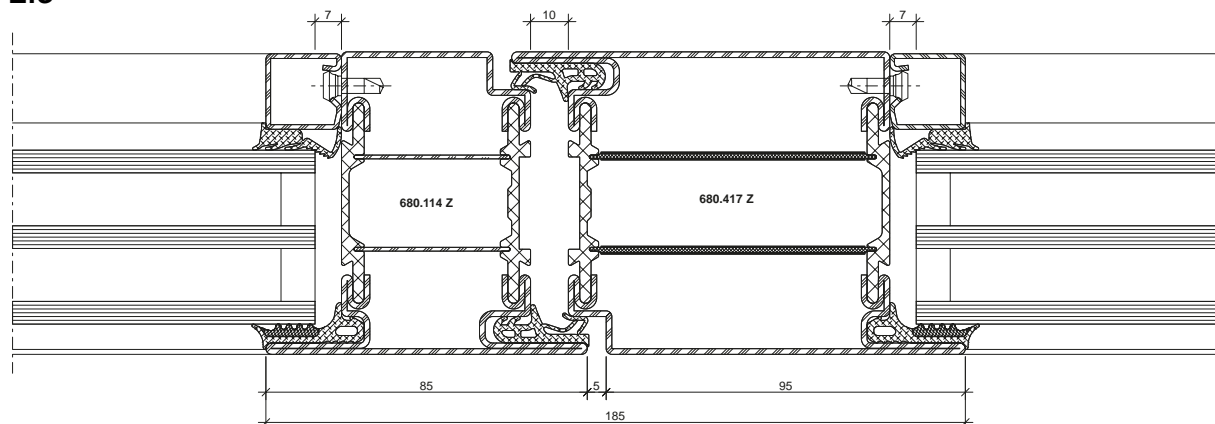


DXF

DWG

12-0101-C-044

2.6

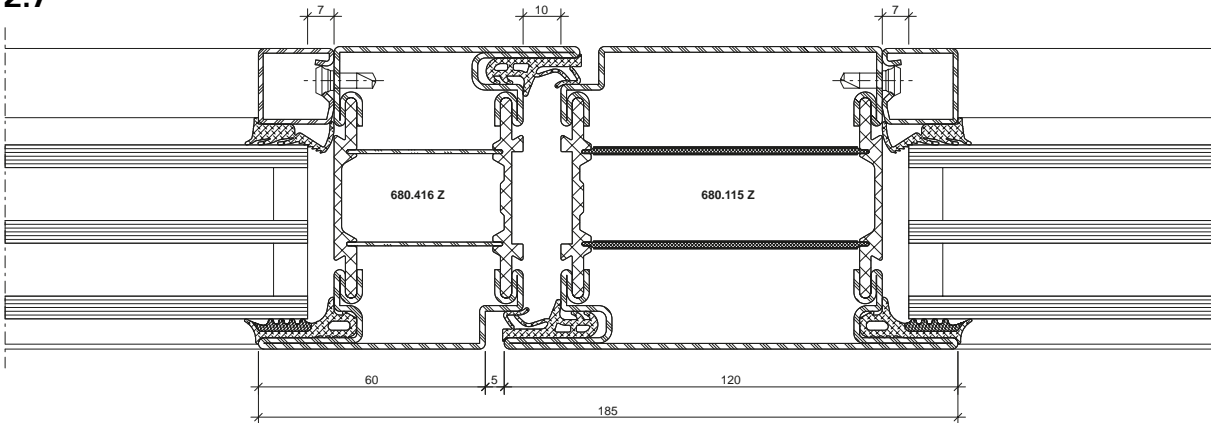


DXF

DWG

12-0101-C-045

2.7

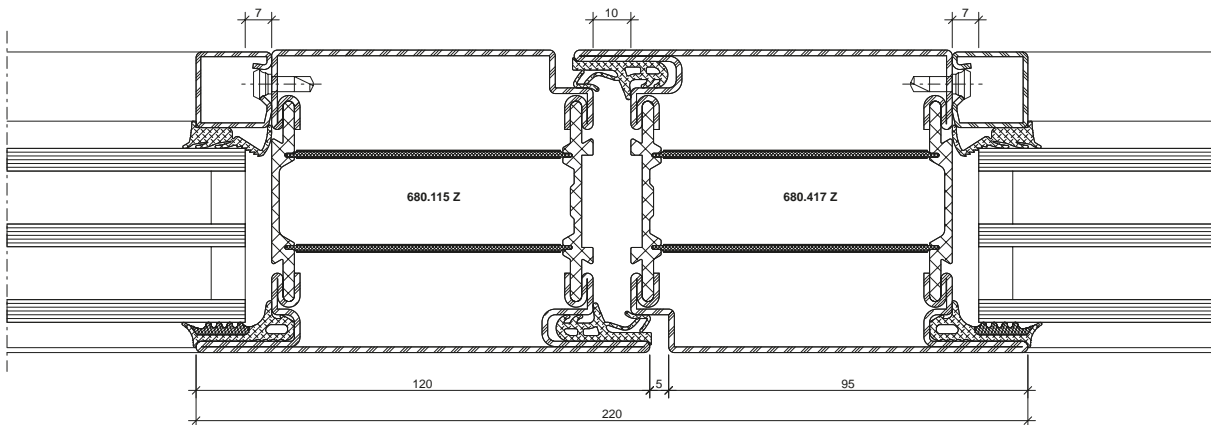


DXF

DWG

12-0101-C-046

2.8

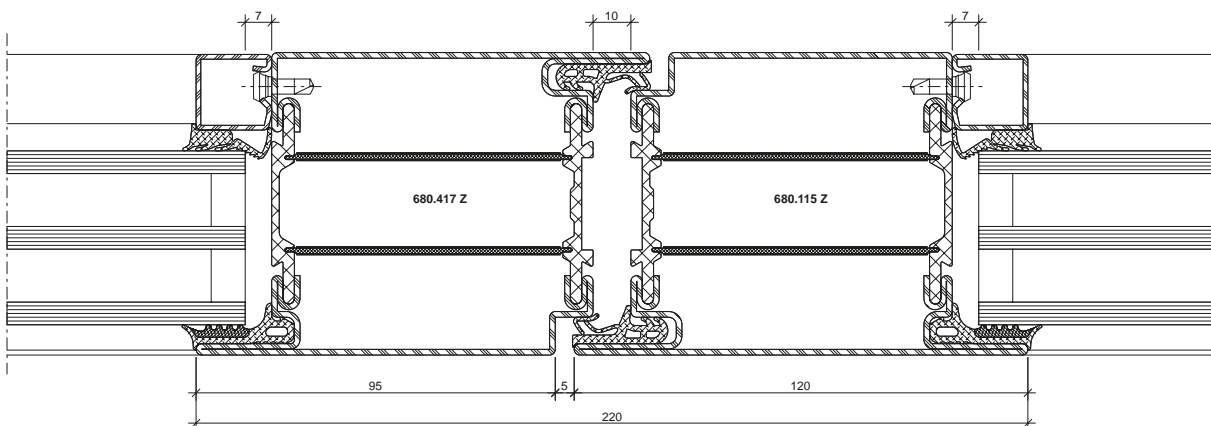


DXF

DWG

12-0101-C-047

2.9

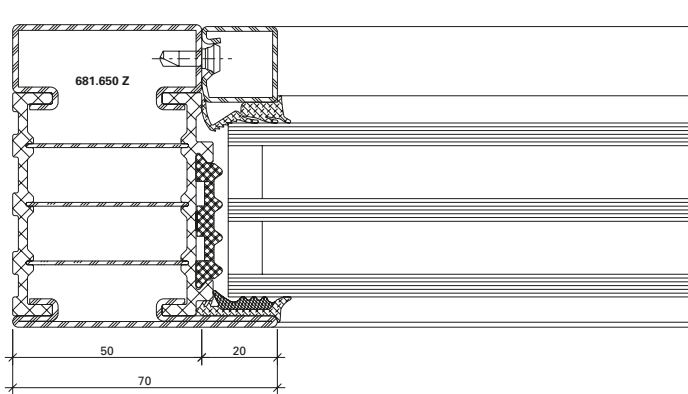


DXF

DWG

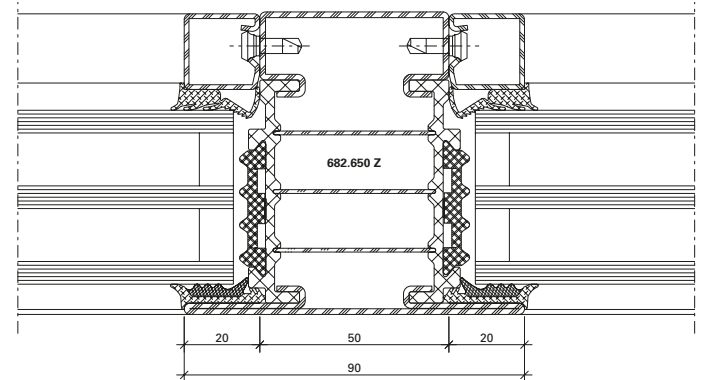
12-0101-C-048

4.0



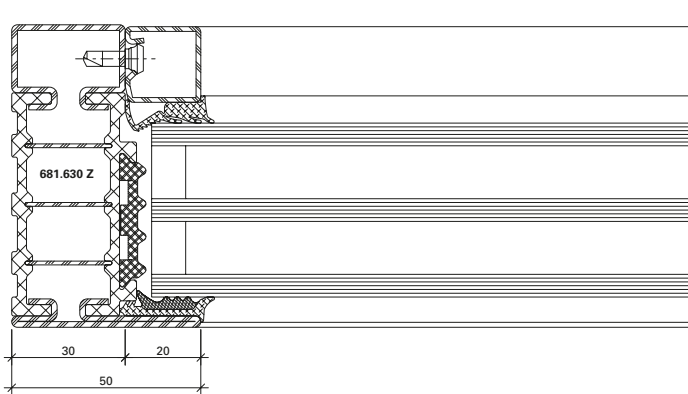
DXF **DWG** 12-0201-C-012

5.1



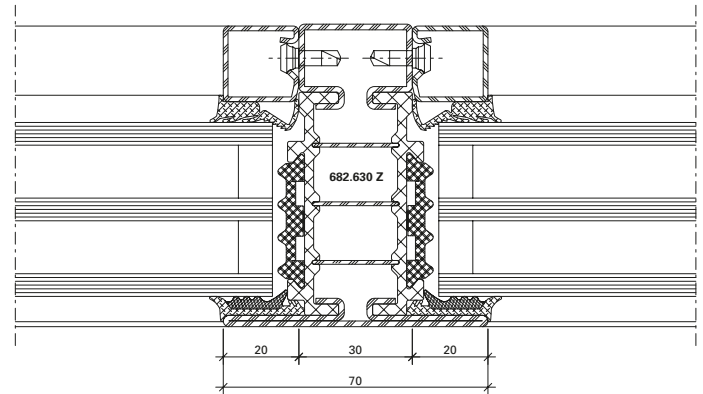
DXF **DWG** 12-0201-C-014

4.1



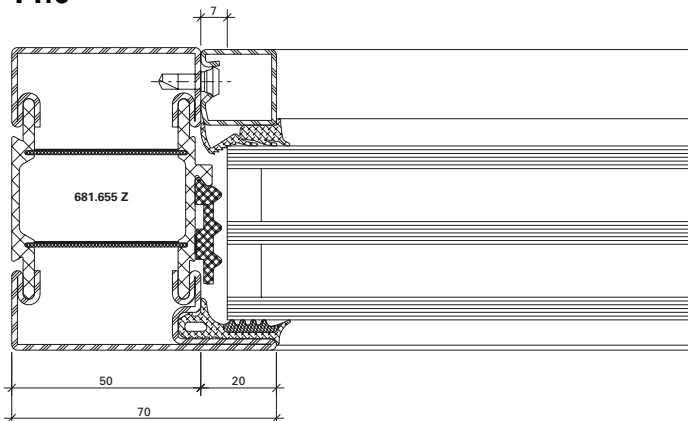
DXF **DWG** 12-0201-C-013

5.2



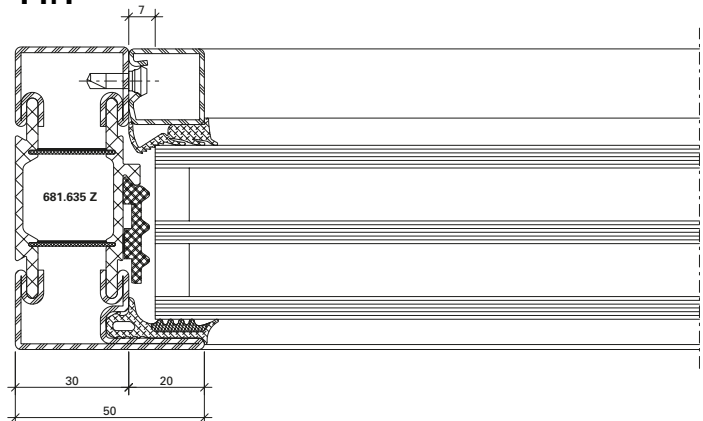
DXF **DWG** 12-0201-C-015

14.0



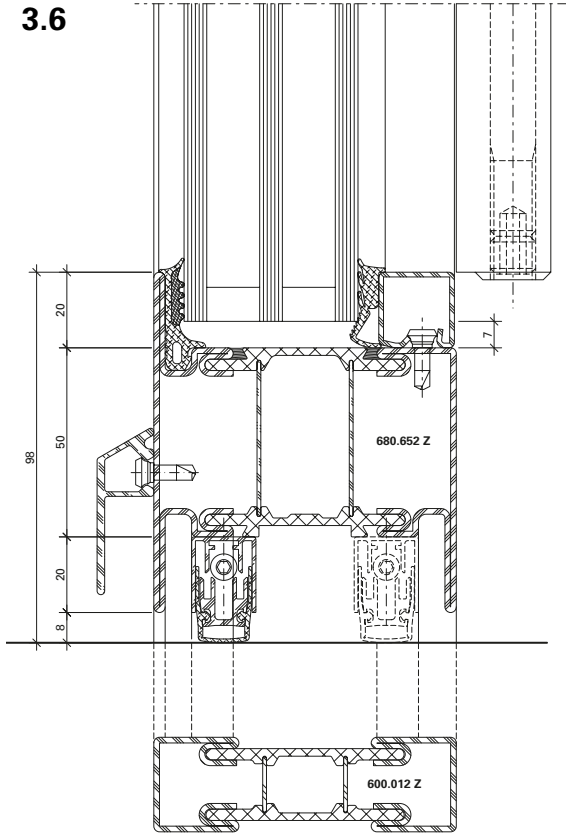
DXF **DWG** 12-0204-C-003

14.1



DXF **DWG** 12-0204-C-004

3.6

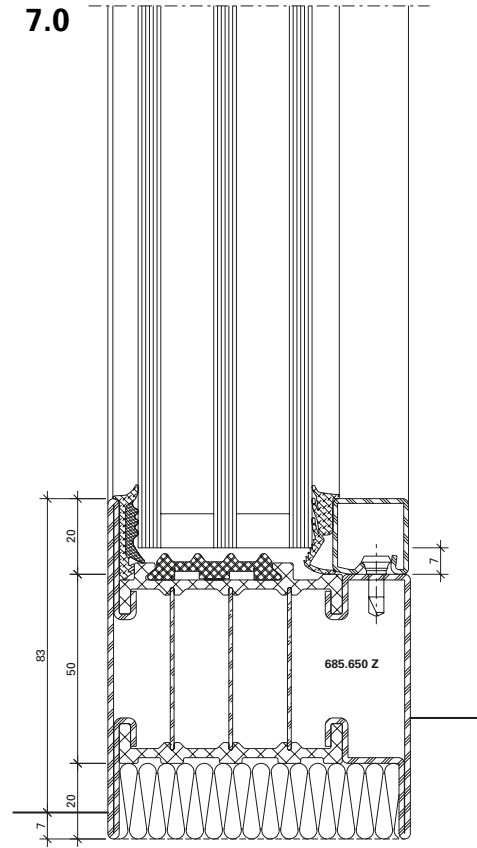


12-0101-C-040

DWG

DXF

7.0

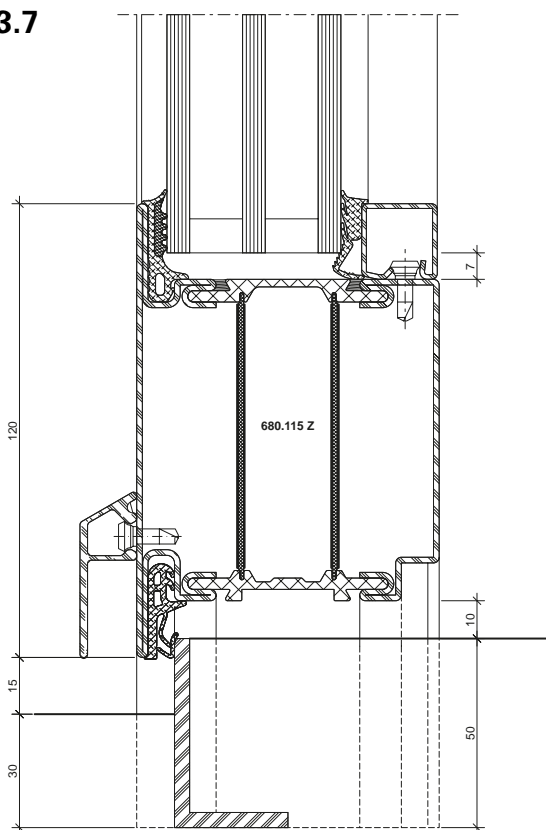


12-0101-C-012

DWG

DXF

3.7

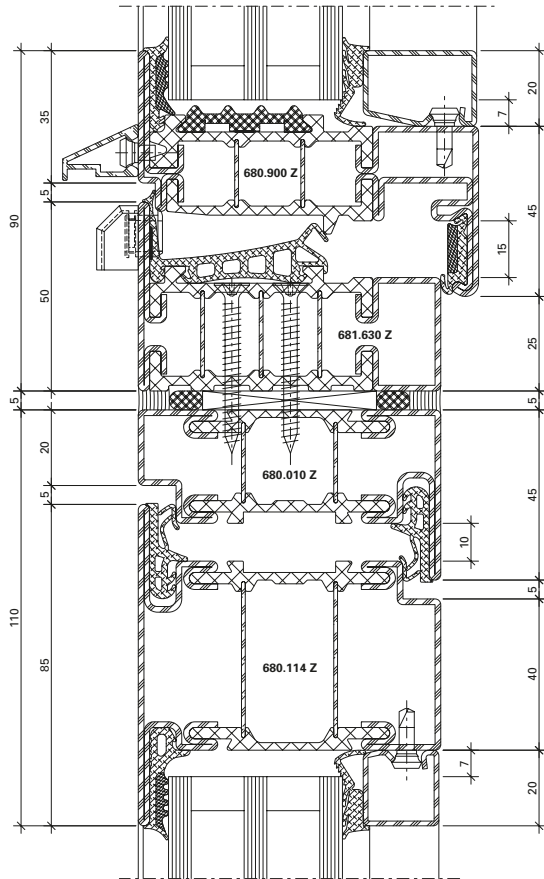


12-0101-C-049

DWG

DXF

8.0

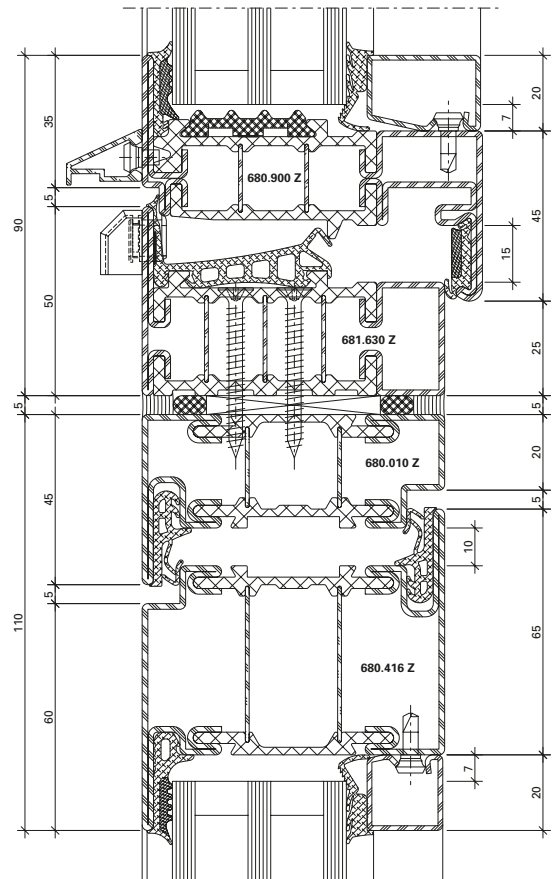


DWG 12-0101-C-035

DWG

DXF

8.1

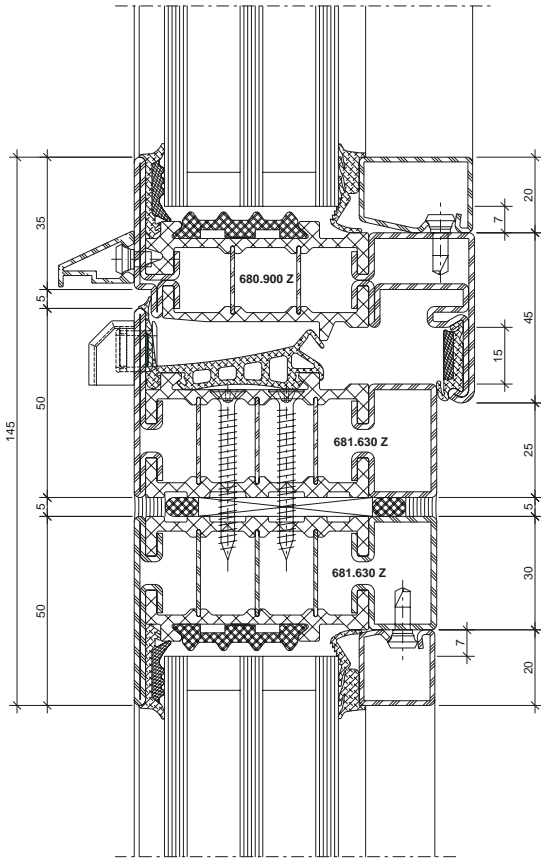


DWG 12-0101-C-036

DWG

DXF

9.0

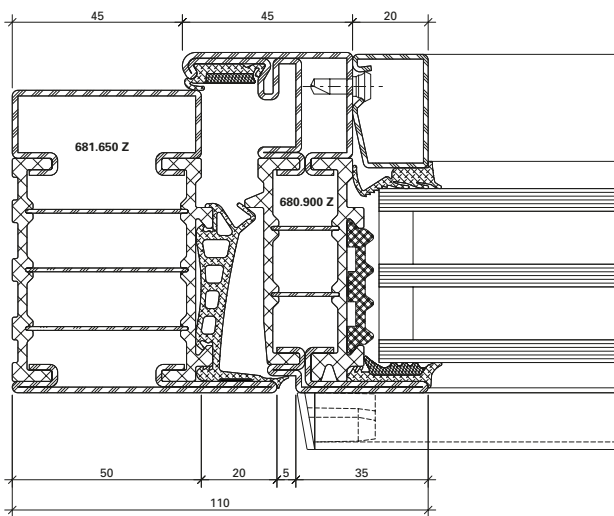


12-0101-C-041

DWG

DXF

6.0

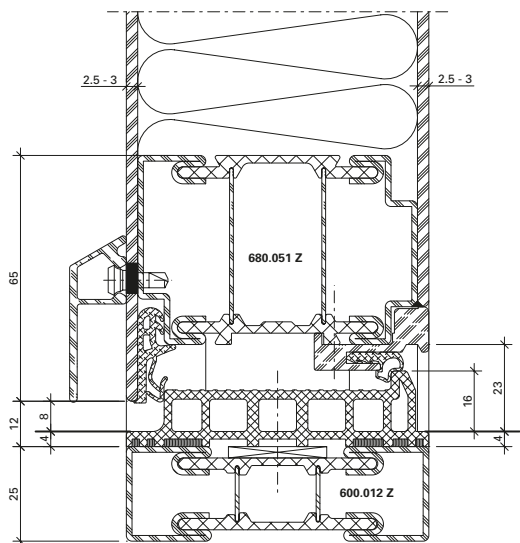


DXF

DWG

12-0201-C-001

13.0

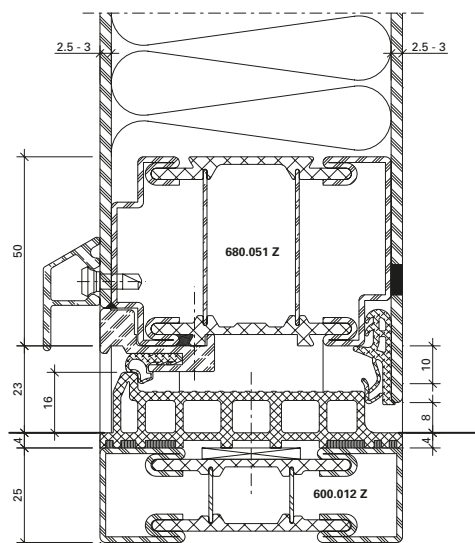


12-0102-C-067

DWG

DXF

13.1

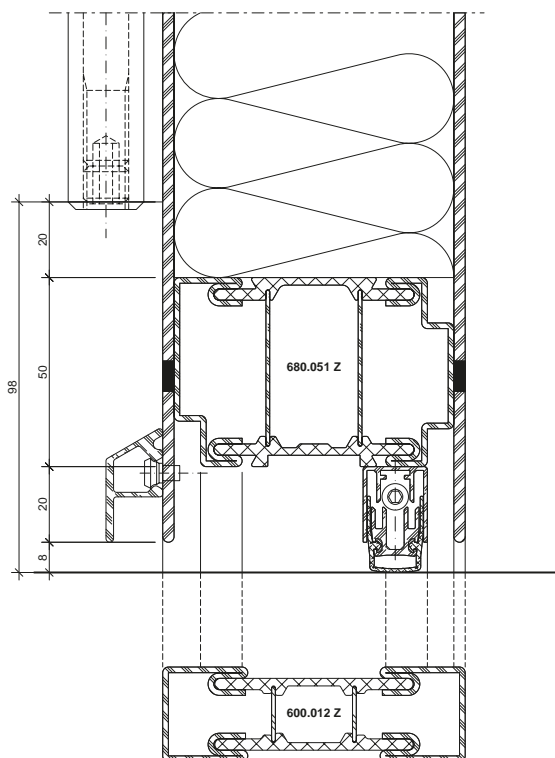


12-0102-C-066

DWG

DXF

13.2



12-0102-C-023

DWG

DXF

Glasleisten-Varianten im Massstab 1:2

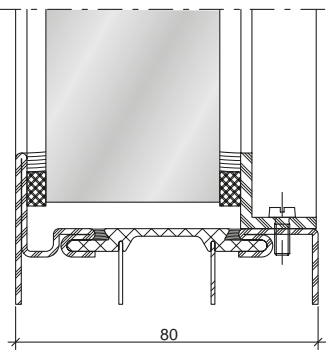
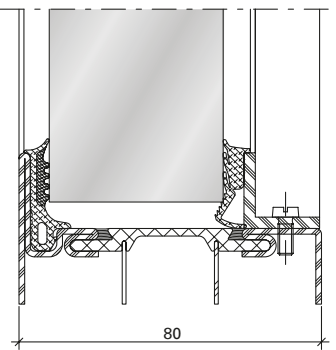
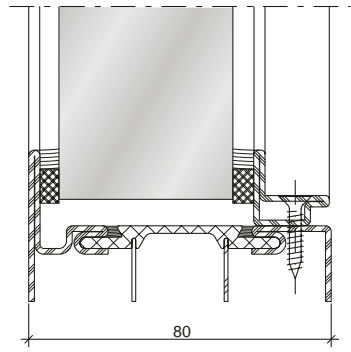
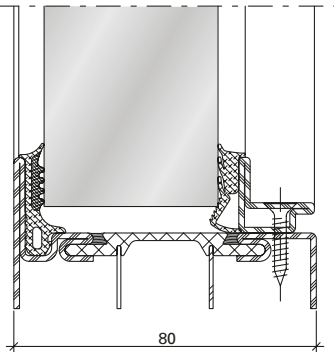
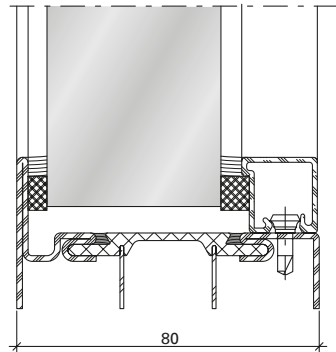
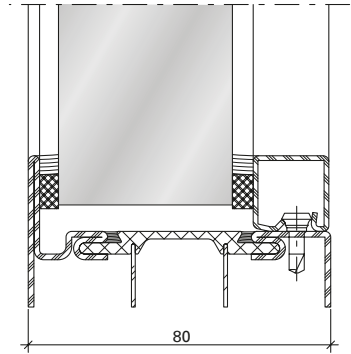
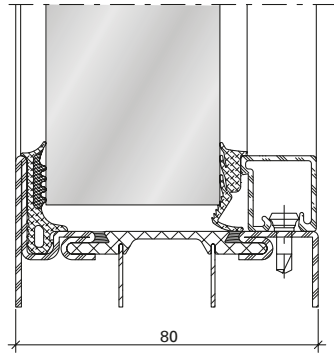
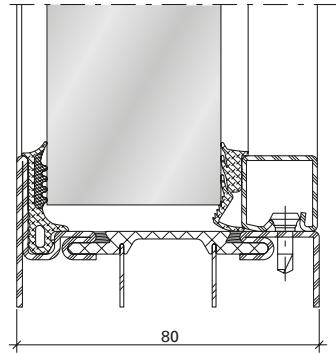
Variantes de parcloses à l'échelle 1:2

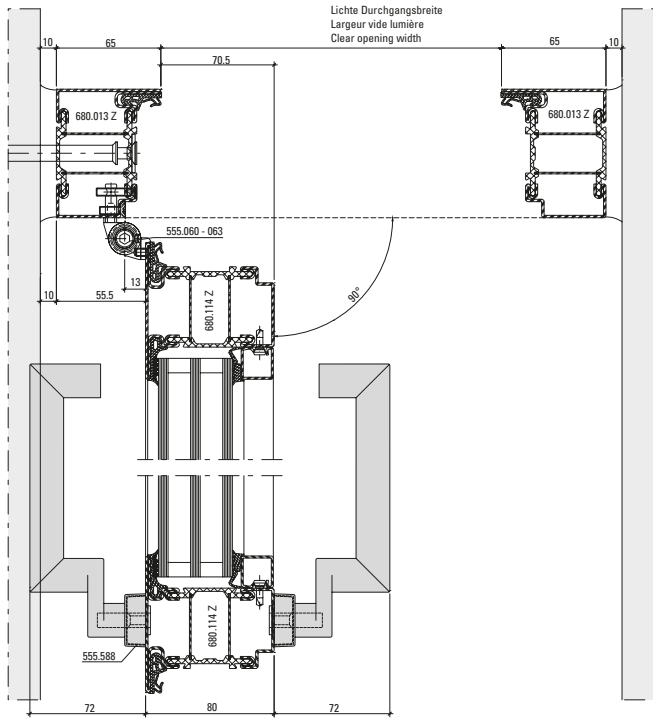
Glazing bead options on scale 1:2

Janisol HI Türen

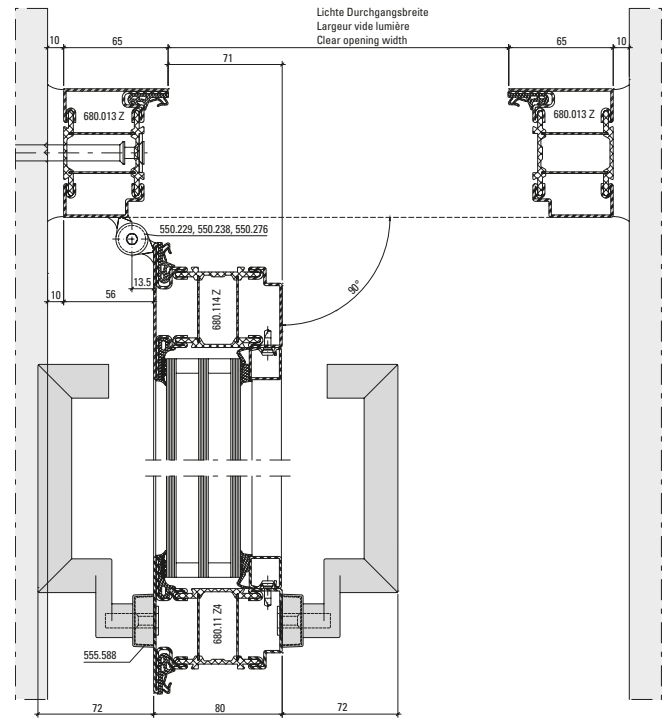
Janisol HI portes

Janisol HI doors

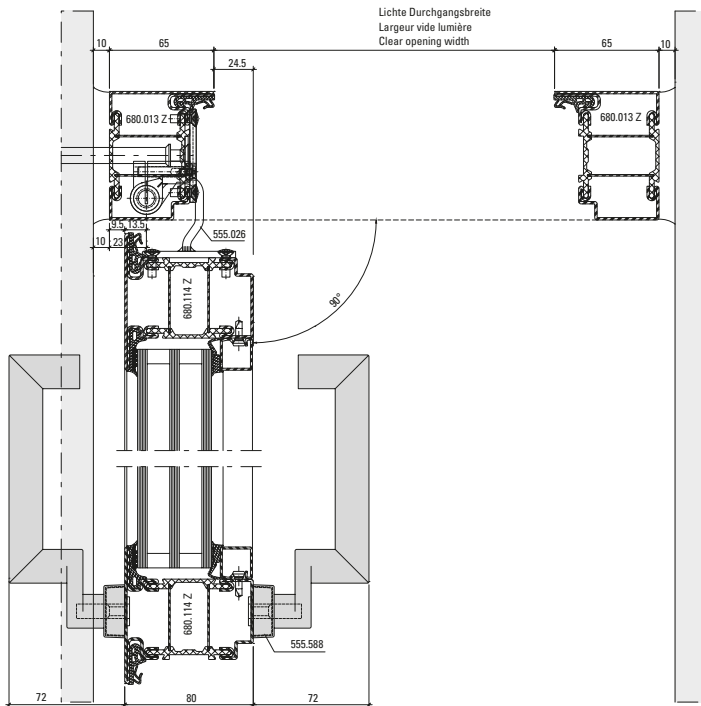




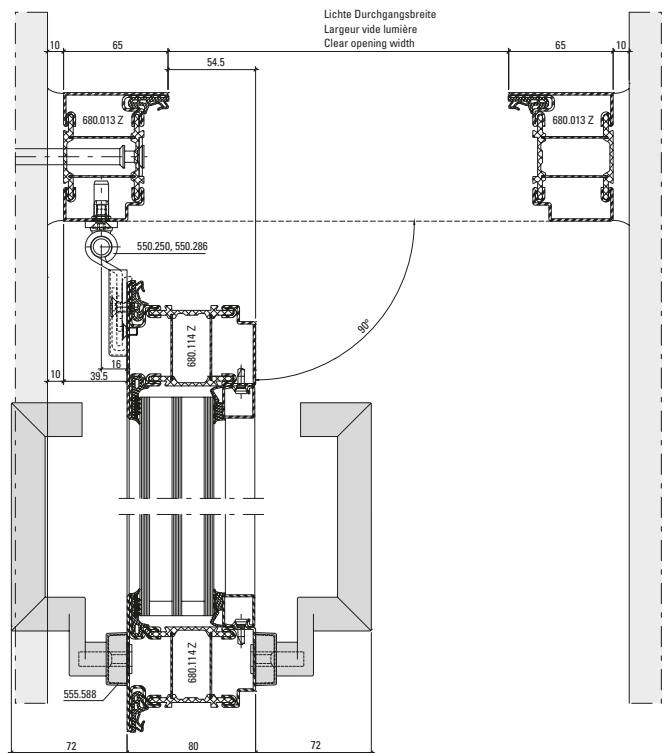
DXF DWG 12-0101-E-043



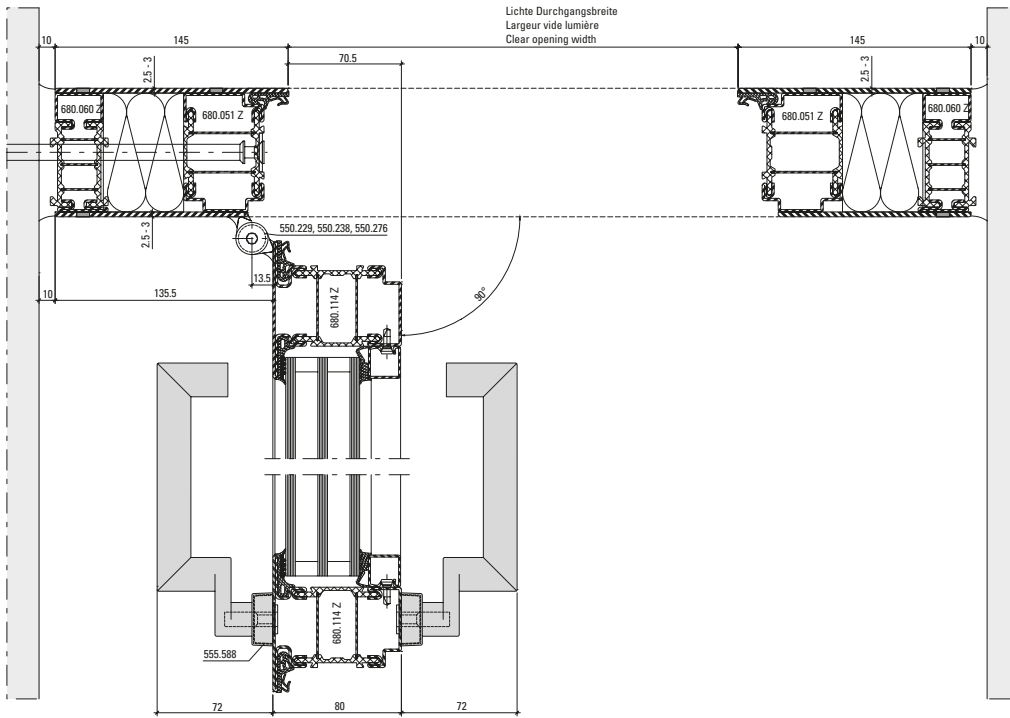
DXF DWG 12-0101-E-044



DXF DWG 12-0101-E-045



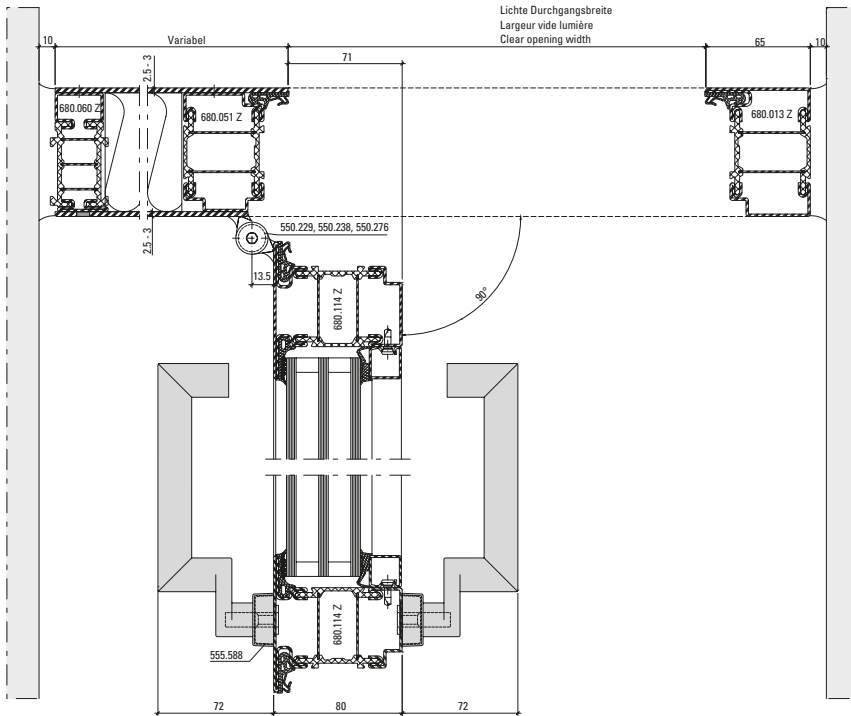
DXF DWG 12-0101-E-046



DXF

DWG

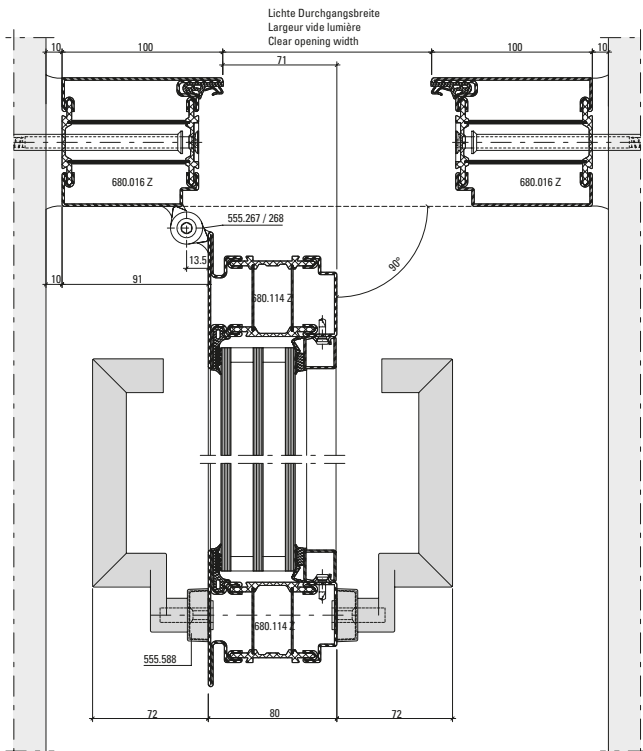
12-0101-E-047



DXF

DWG

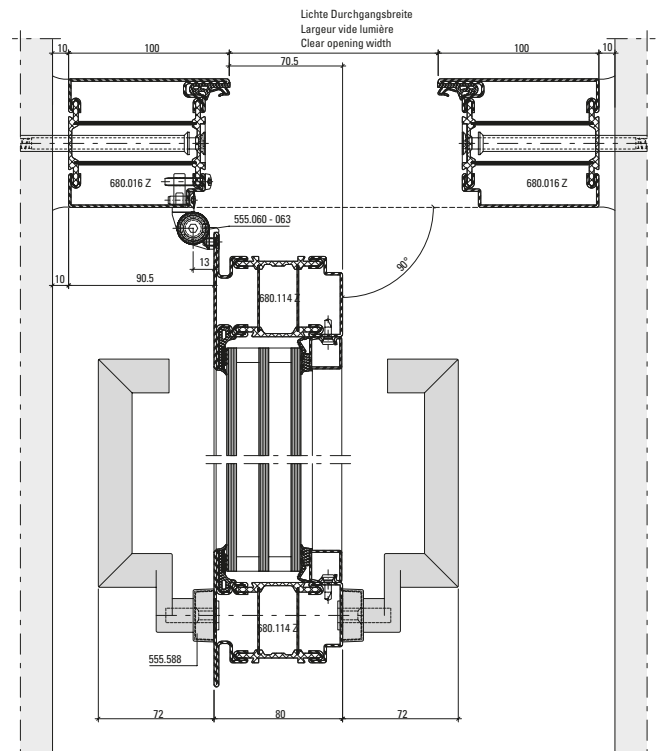
12-0101-E-048



DXF

DWG

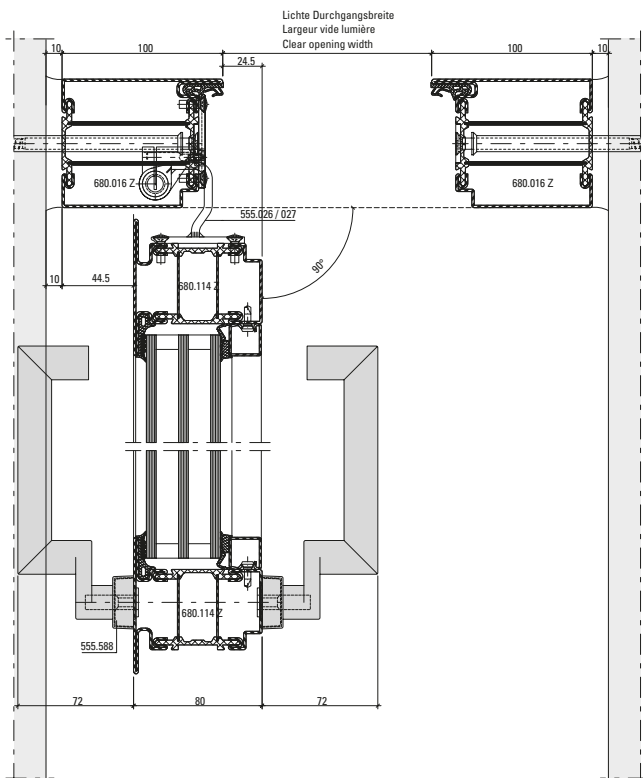
12-0101-E-063



DXF

DWG

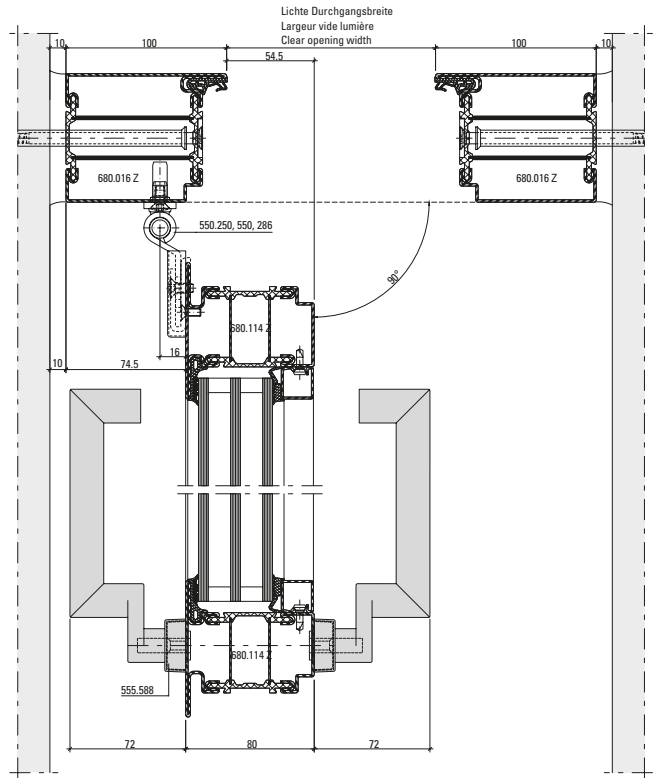
12-0101-E-064



DXF

DWG

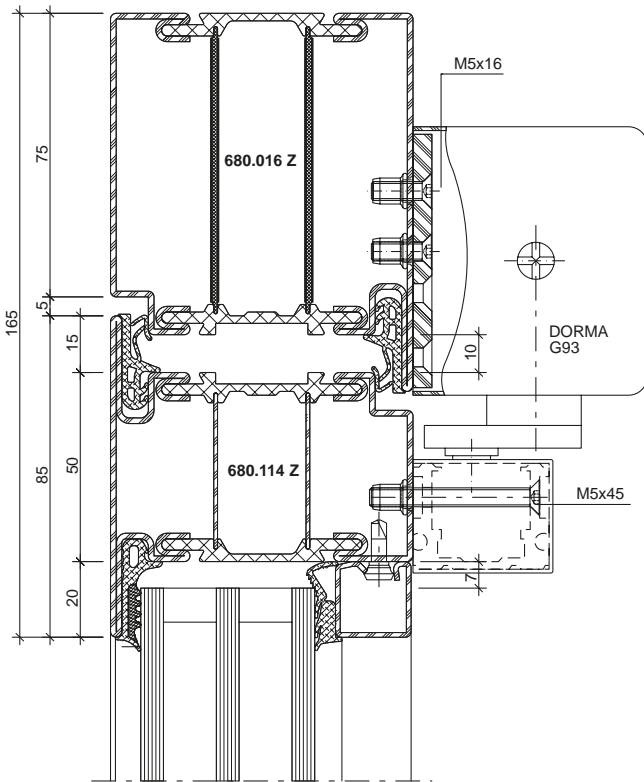
12-0101-E-065



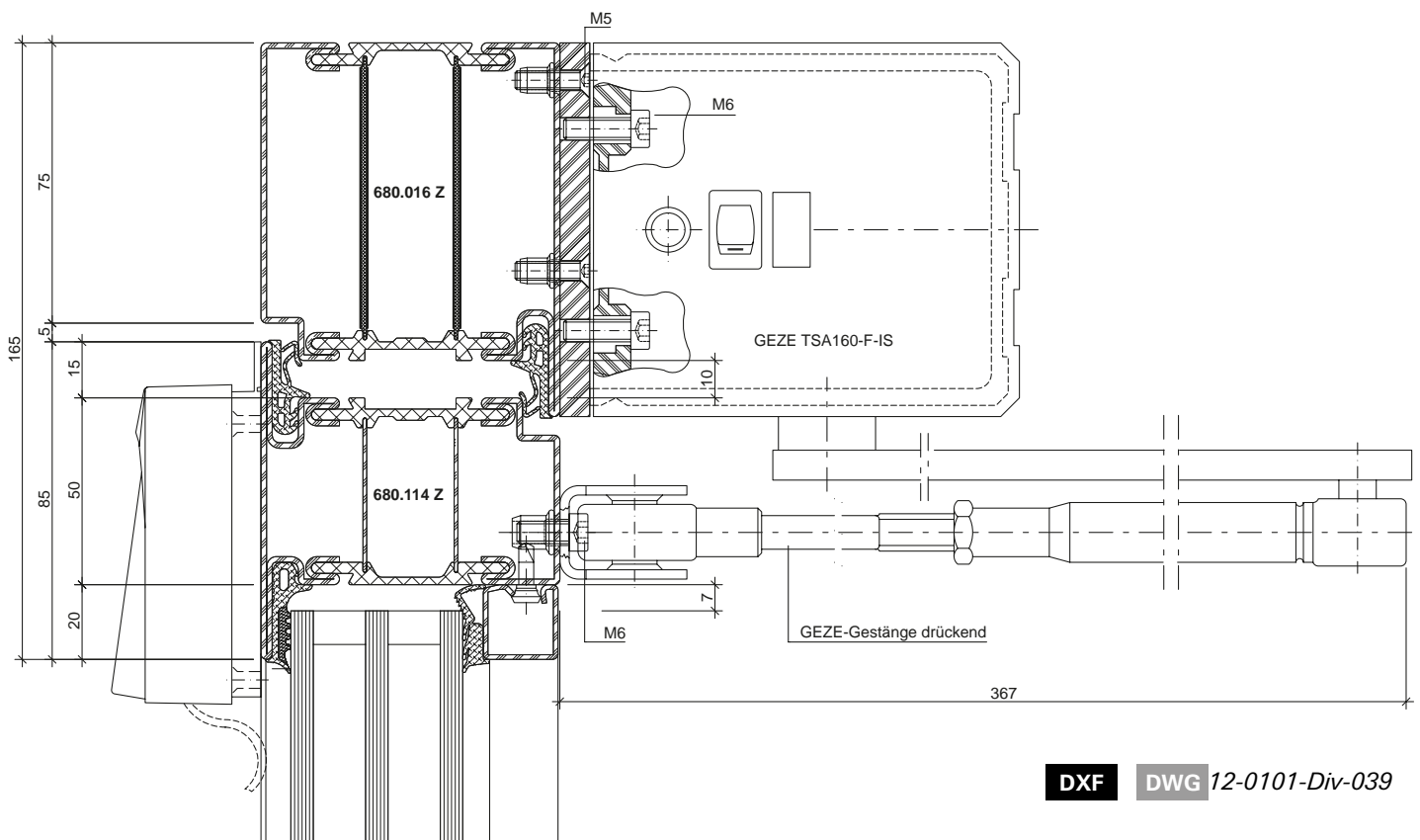
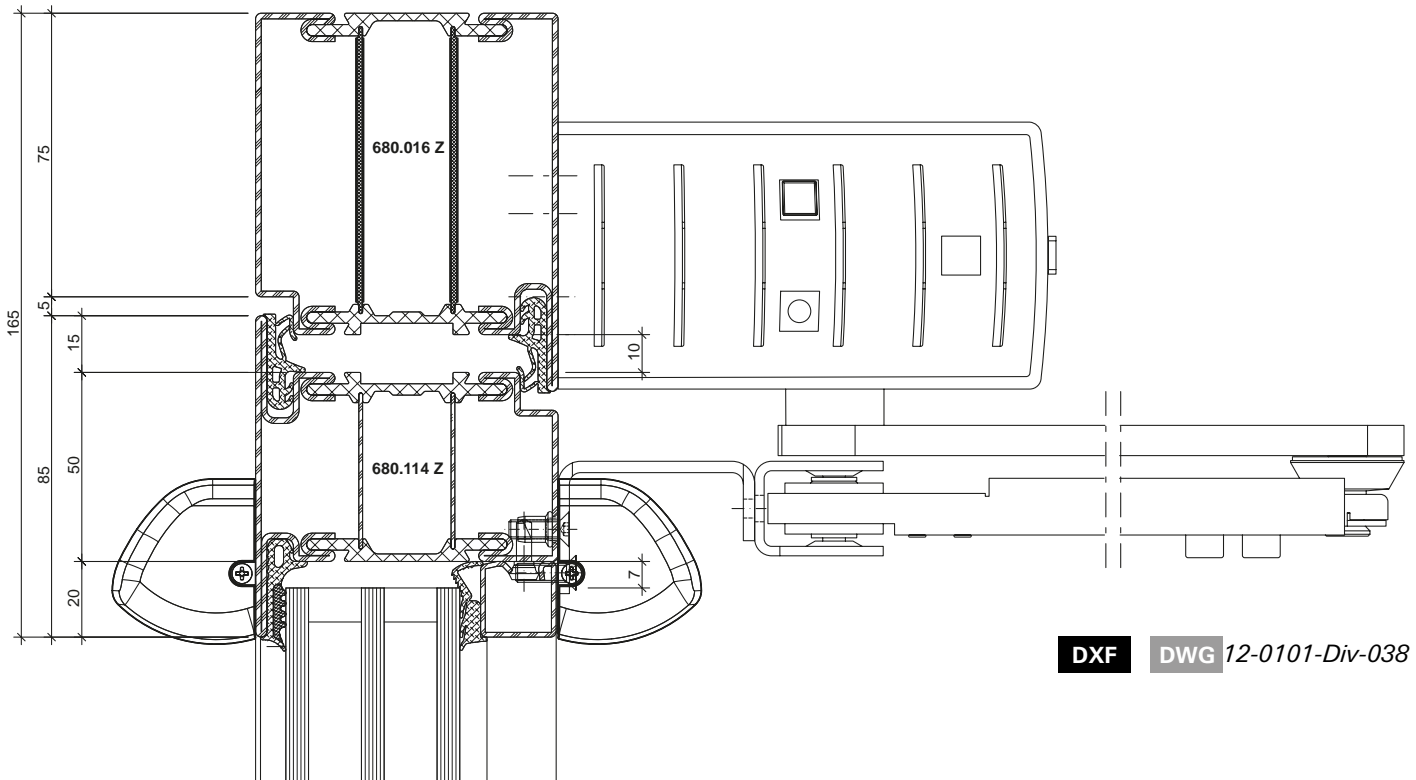
DXF

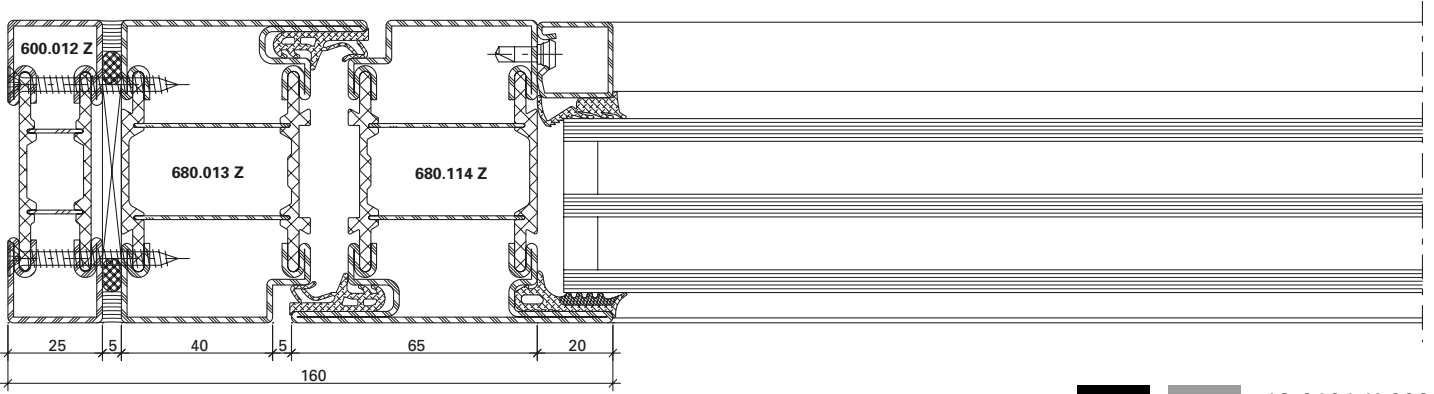
DWG

12-0101-E-066

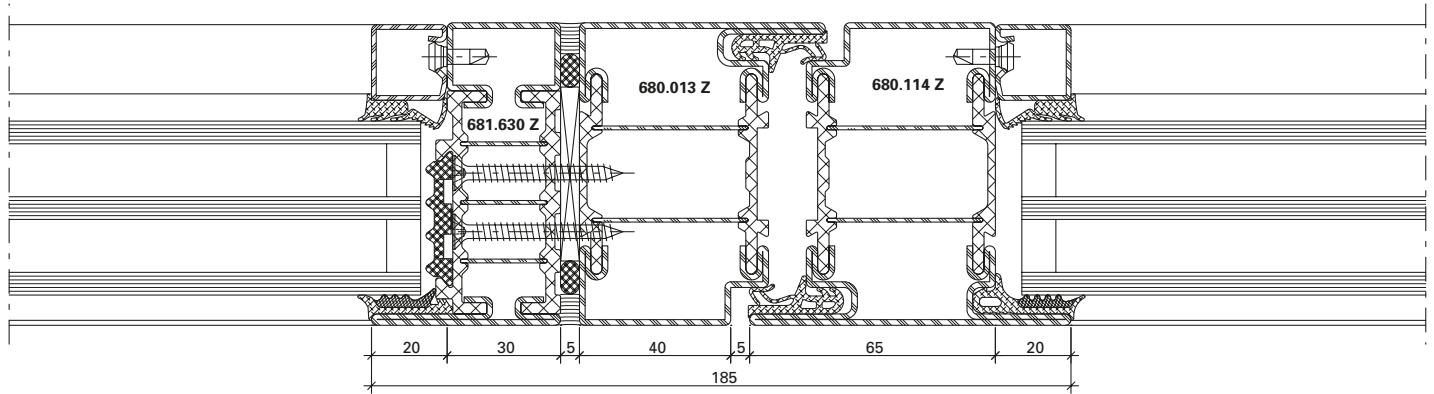


DXF DWG 12-0101-Div-037

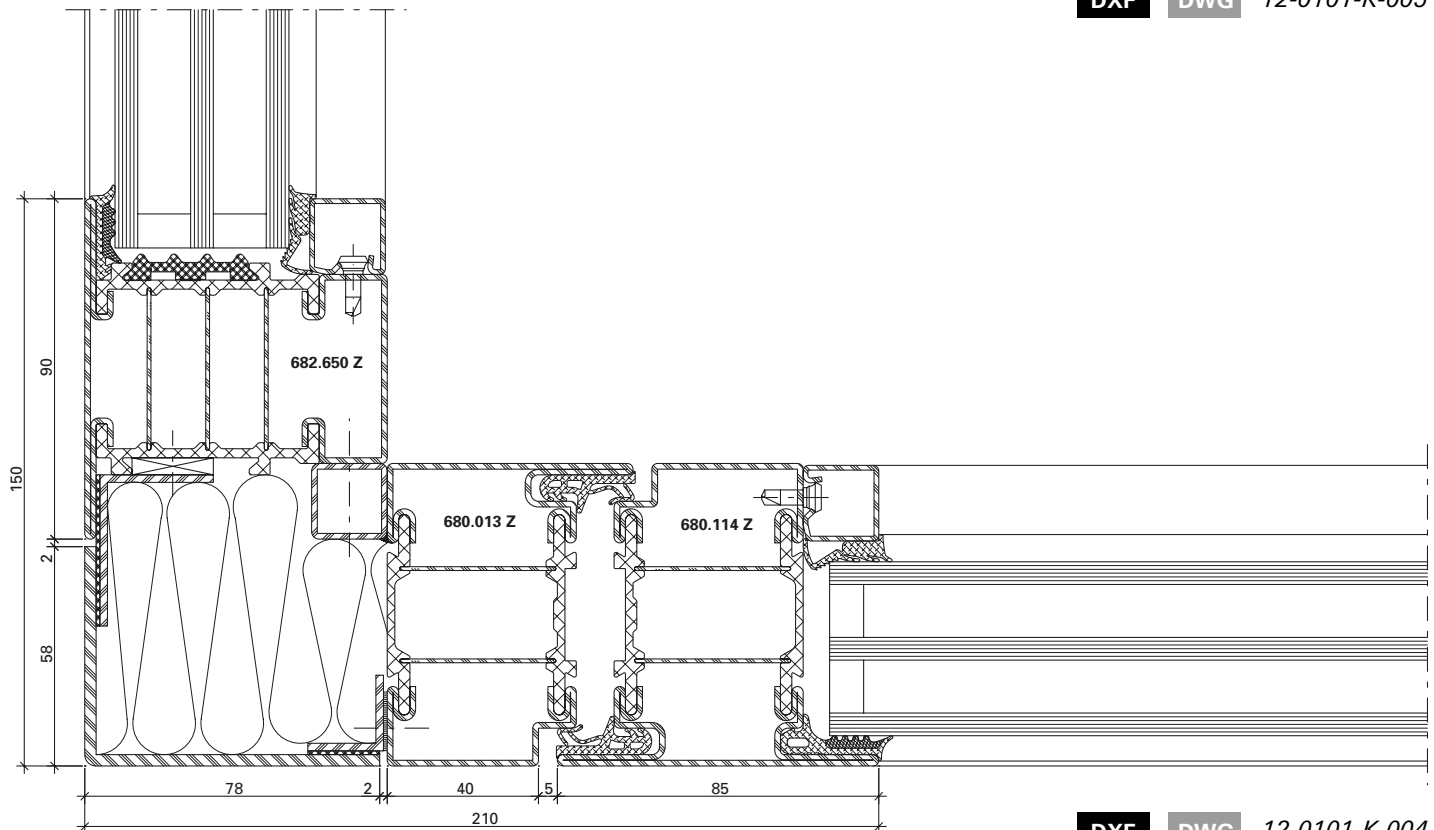




DXF **DWG** 12-0101-K-006



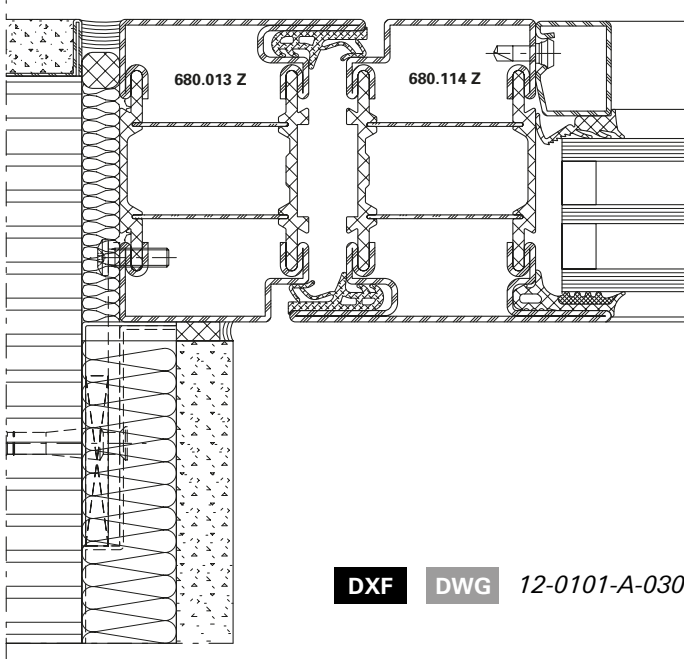
DXF **DWG** 12-0101-K-005



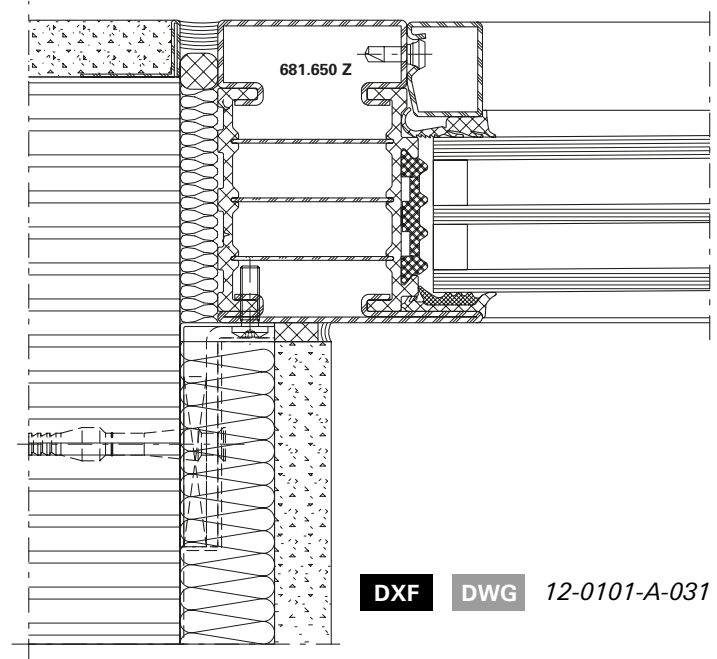
DXF **DWG** 12-0101-K-004

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

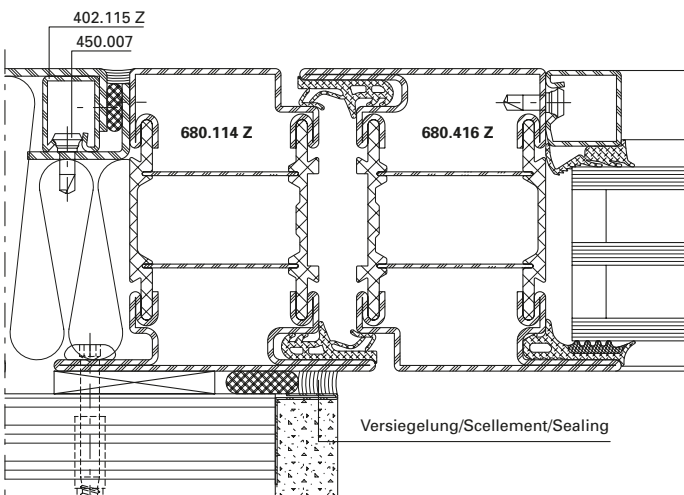
Janisol HI Türen
Janisol HI portes
Janisol HI doors



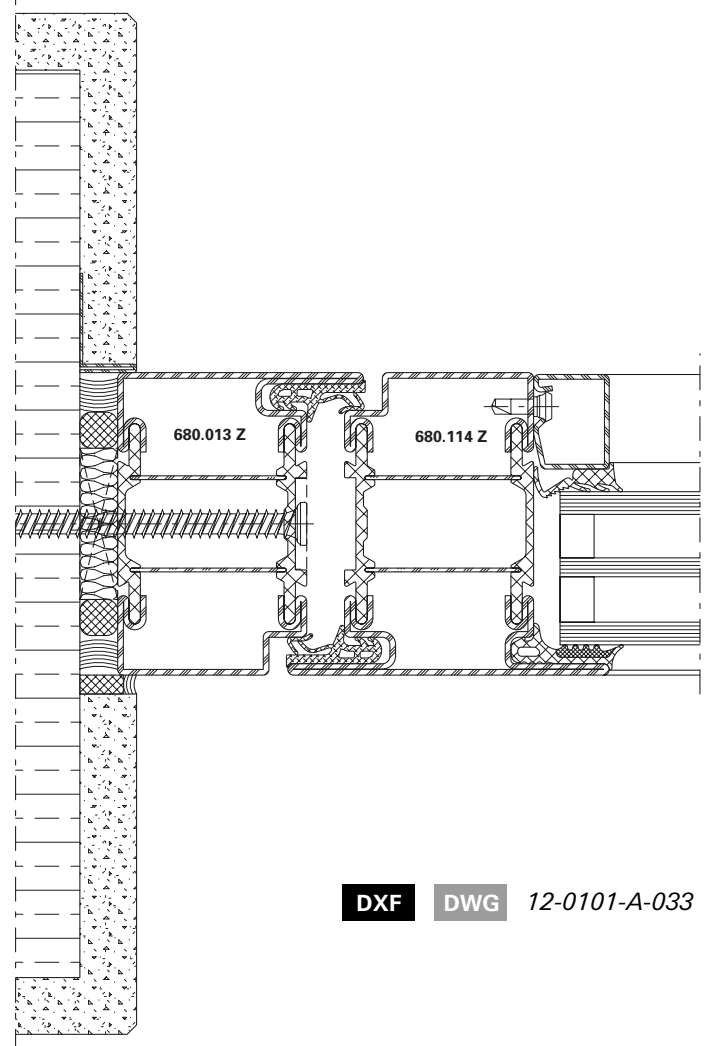
DXF **DWG** 12-0101-A-030



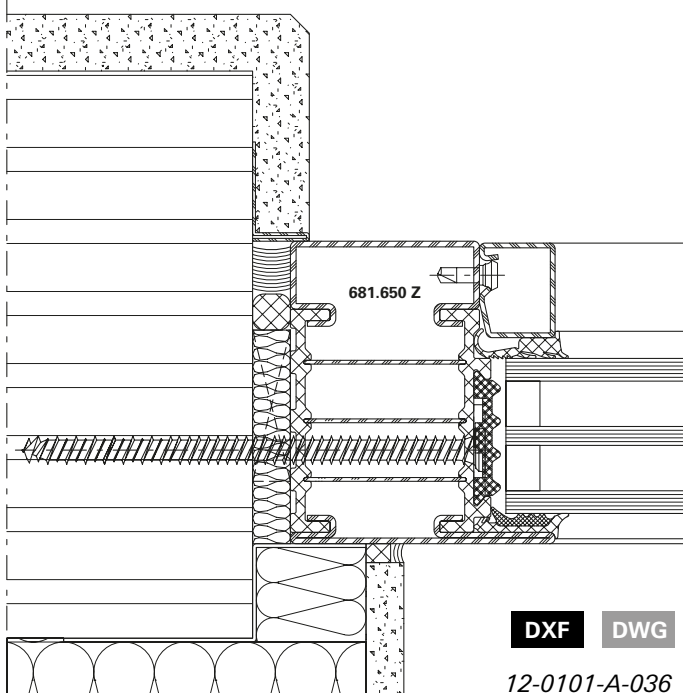
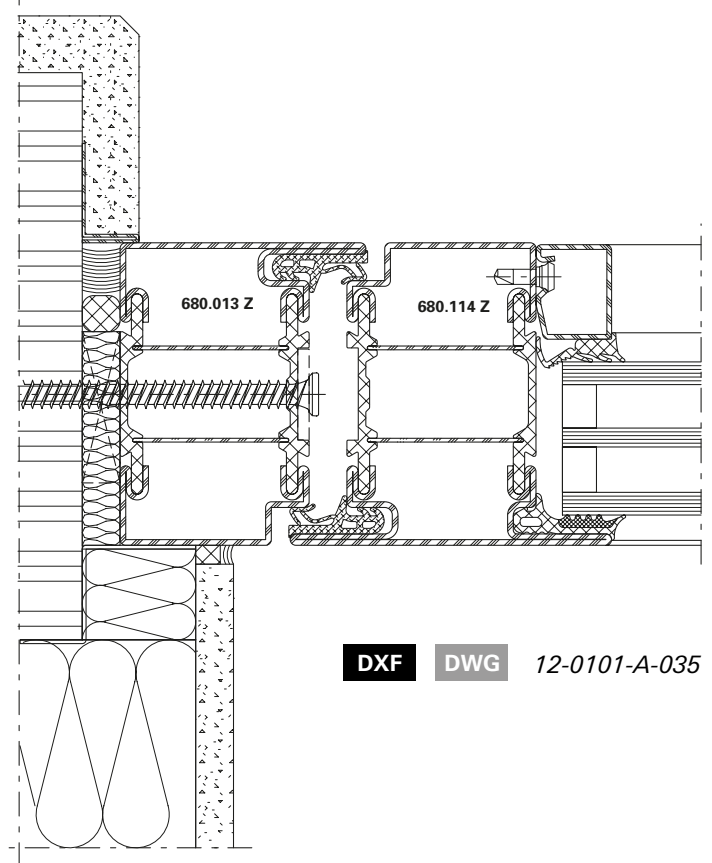
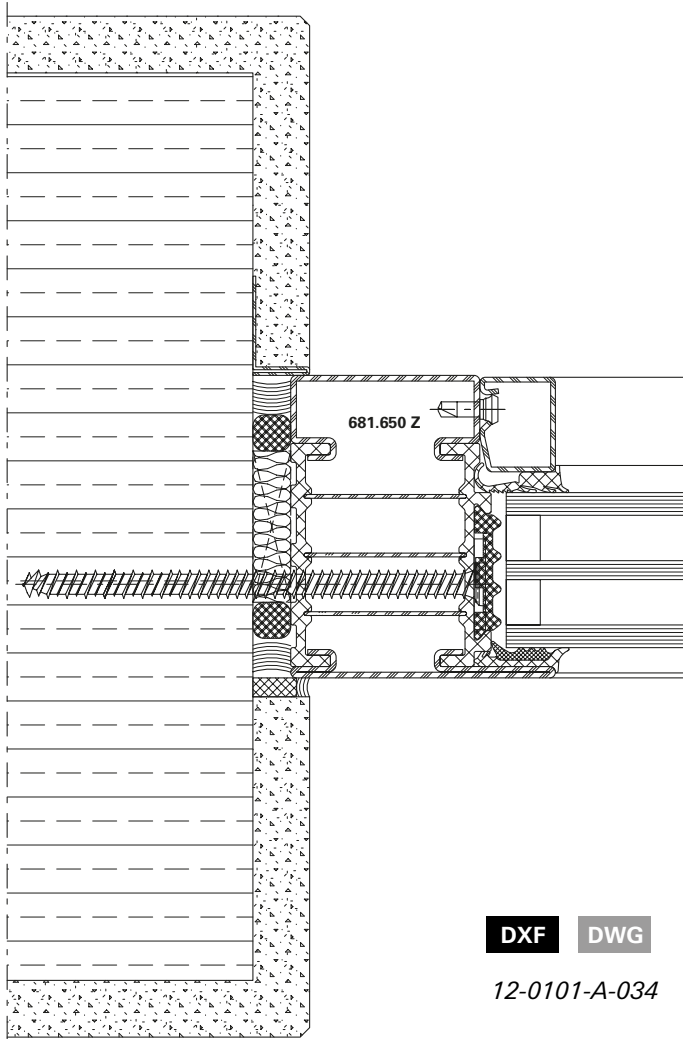
DXF **DWG** 12-0101-A-031



DXF **DWG** 12-0101-A-032

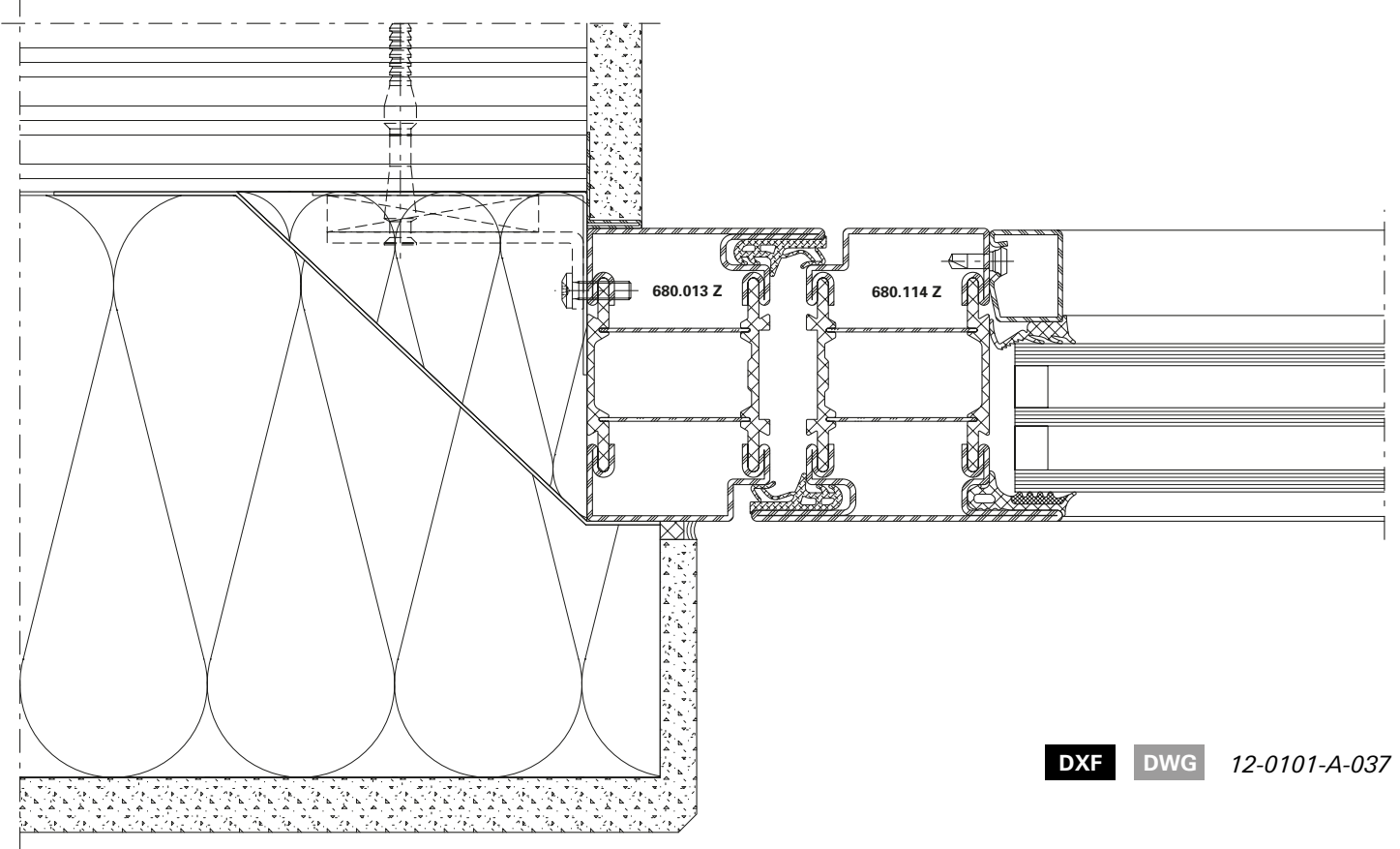


DXF **DWG** 12-0101-A-033

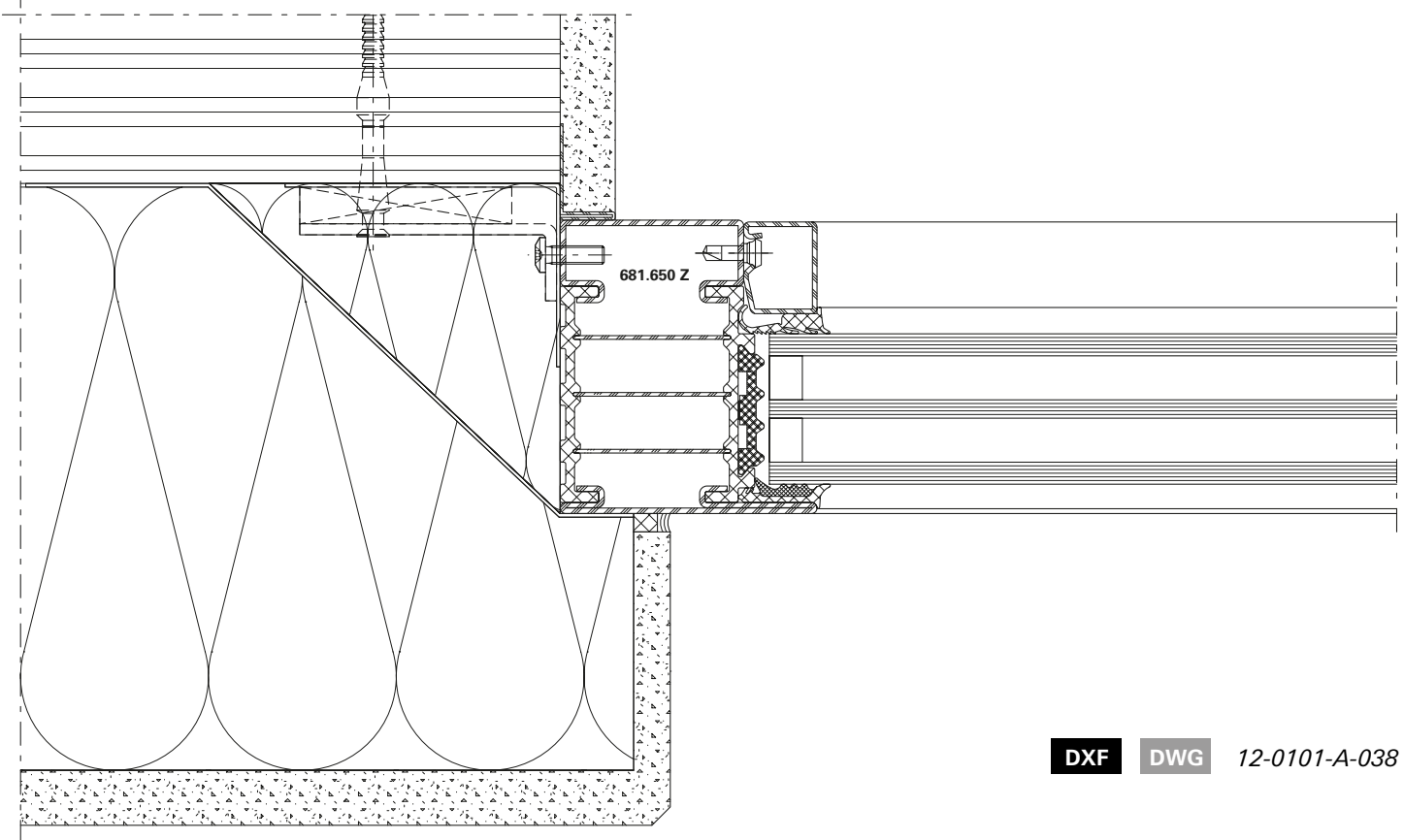


Anschlüsse am Bau im Masstab 1:2
Raccords au mur à l'échelle 1:2
Attachment to structure on scale 1:2

Janisol HI Türen
Janisol HI portes
Janisol HI doors



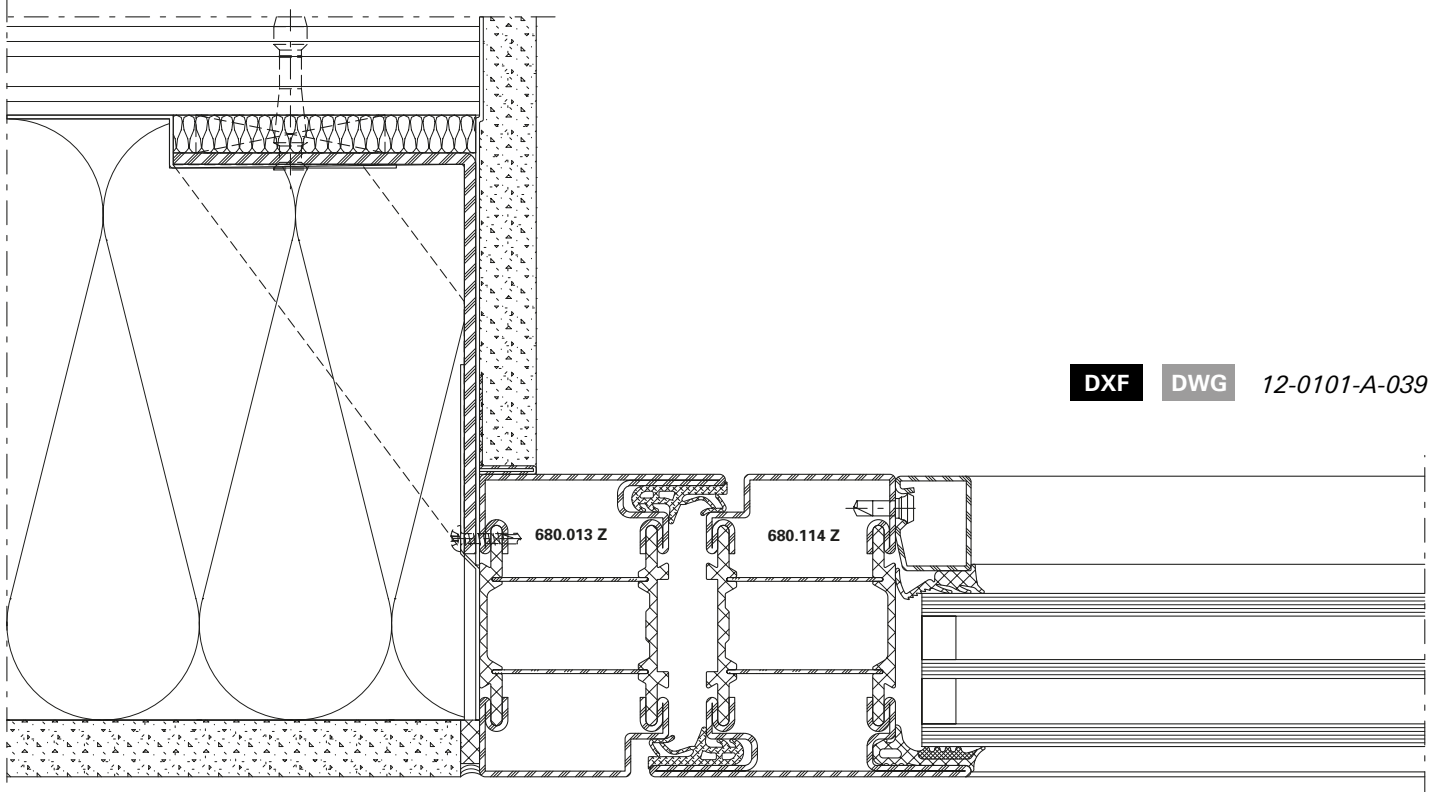
DXF **DWG** 12-0101-A-037



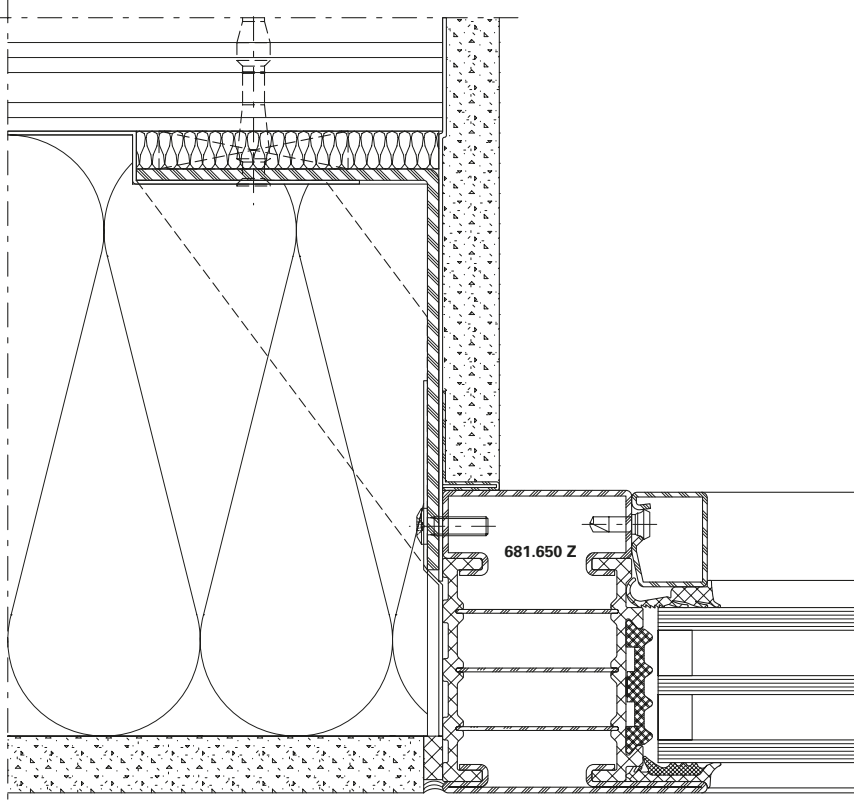
DXF **DWG** 12-0101-A-038

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors



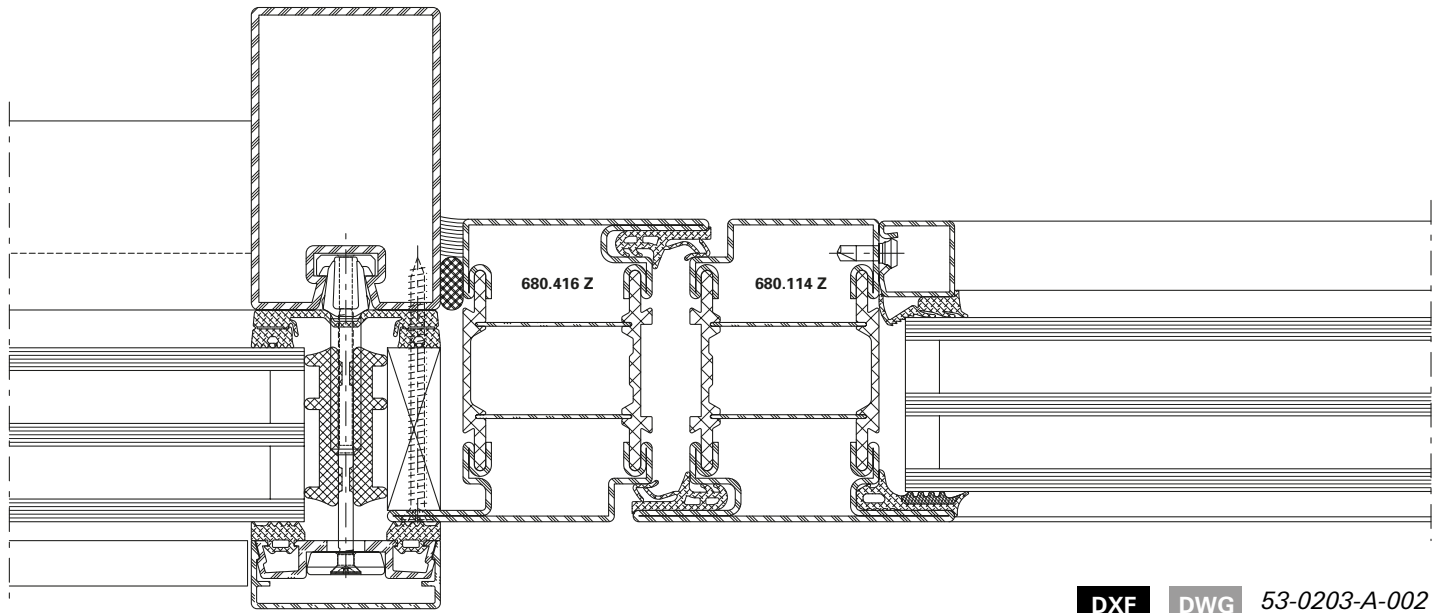
DXF DWG 12-0101-A-039



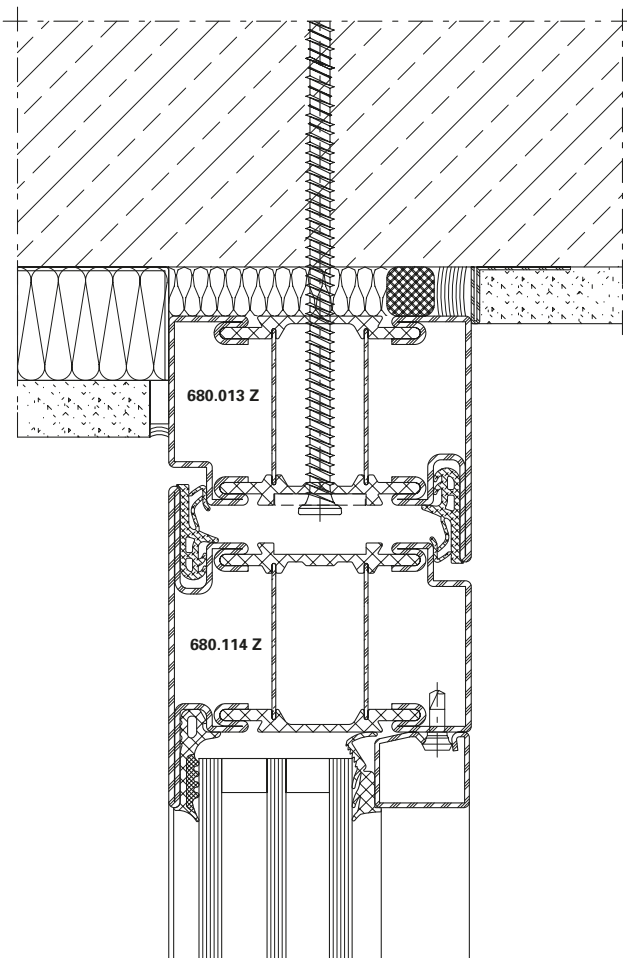
DXF DWG 12-0101-A-040

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

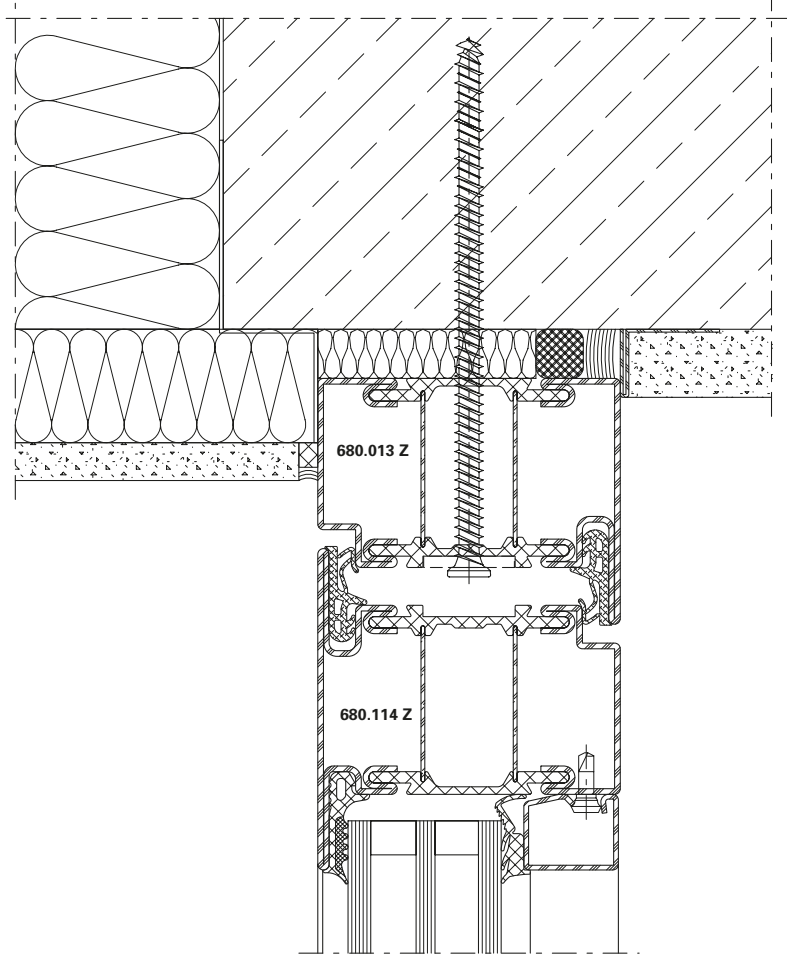
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 53-0203-A-002



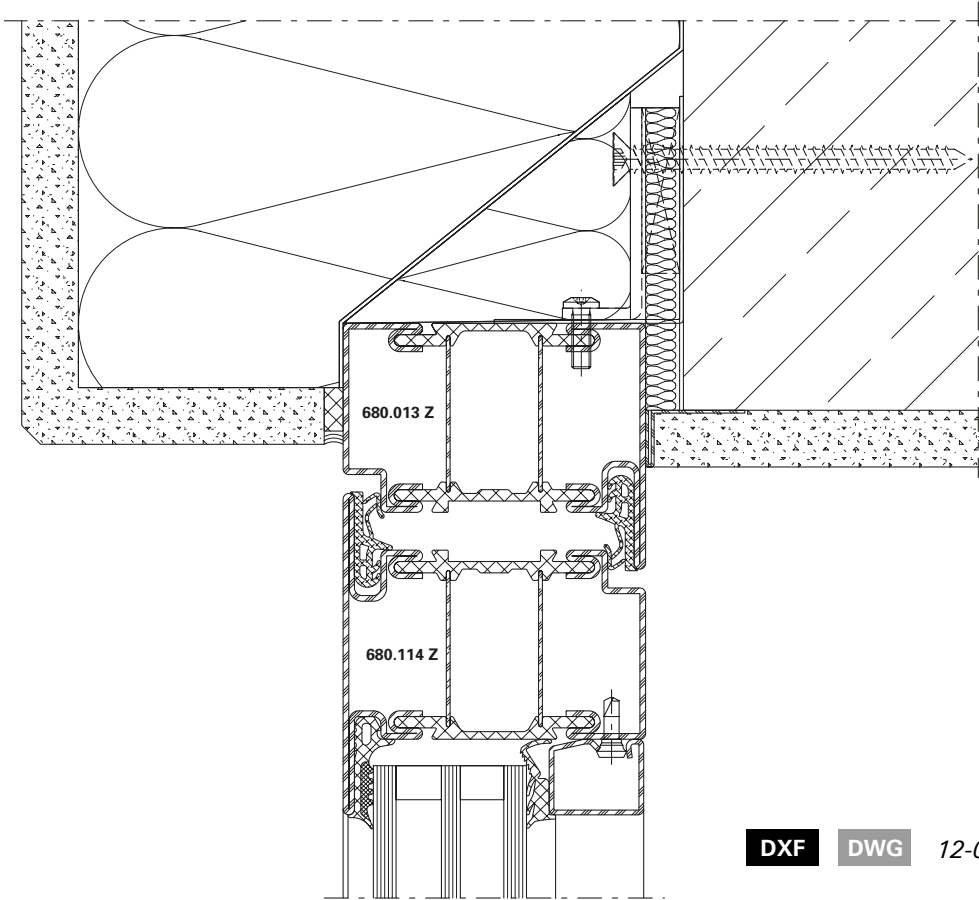
DXF DWG 12-0101-A-041



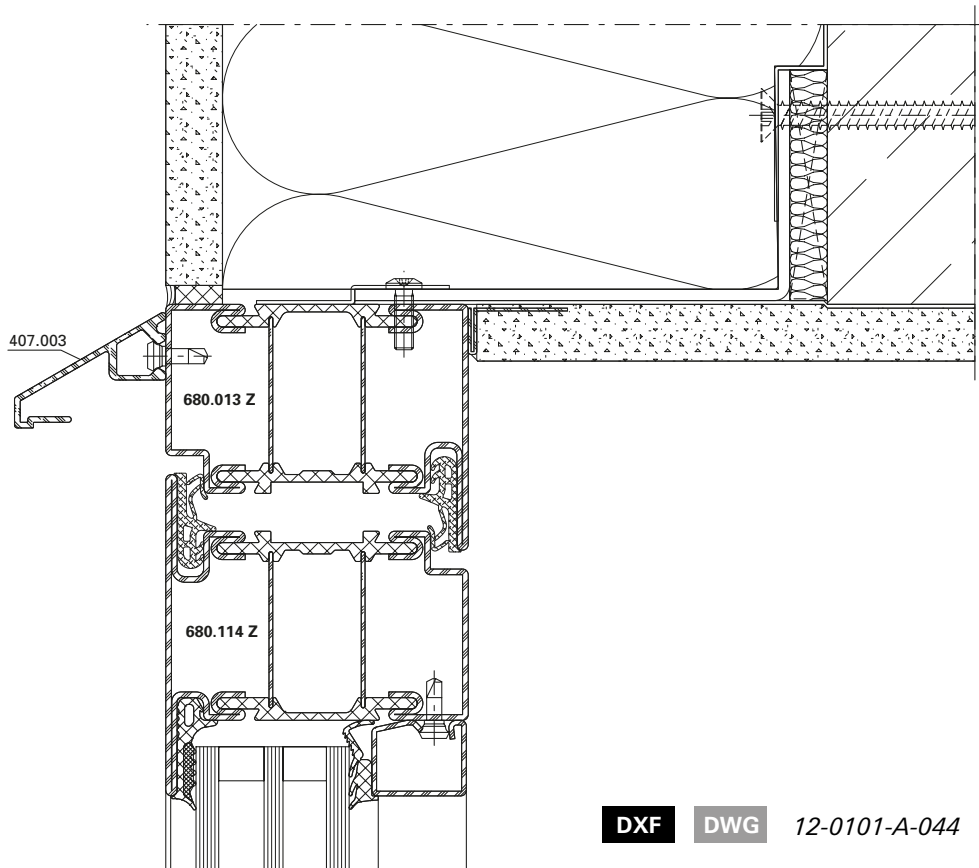
DXF DWG 12-0101-A-042

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

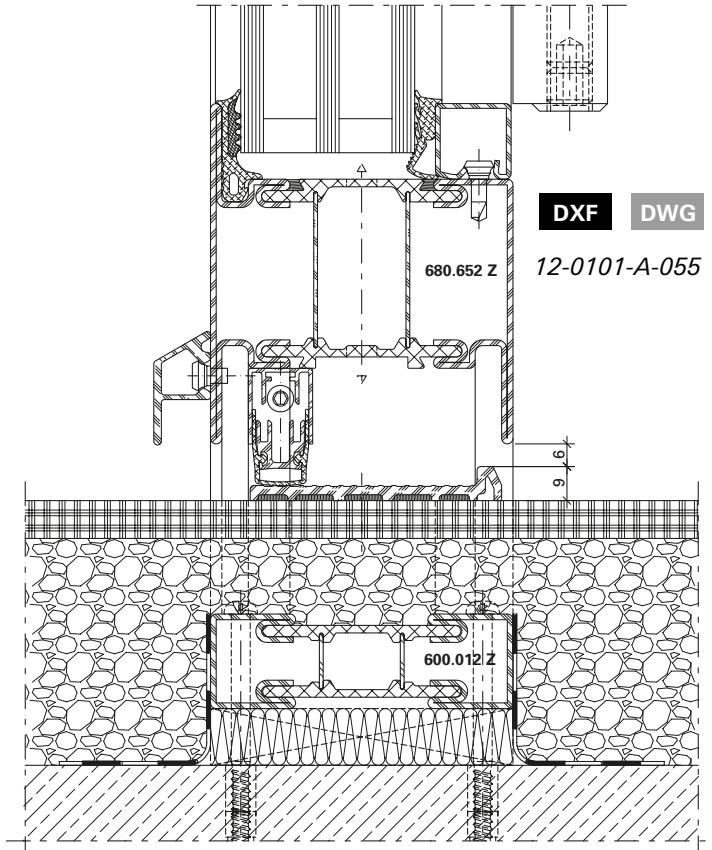
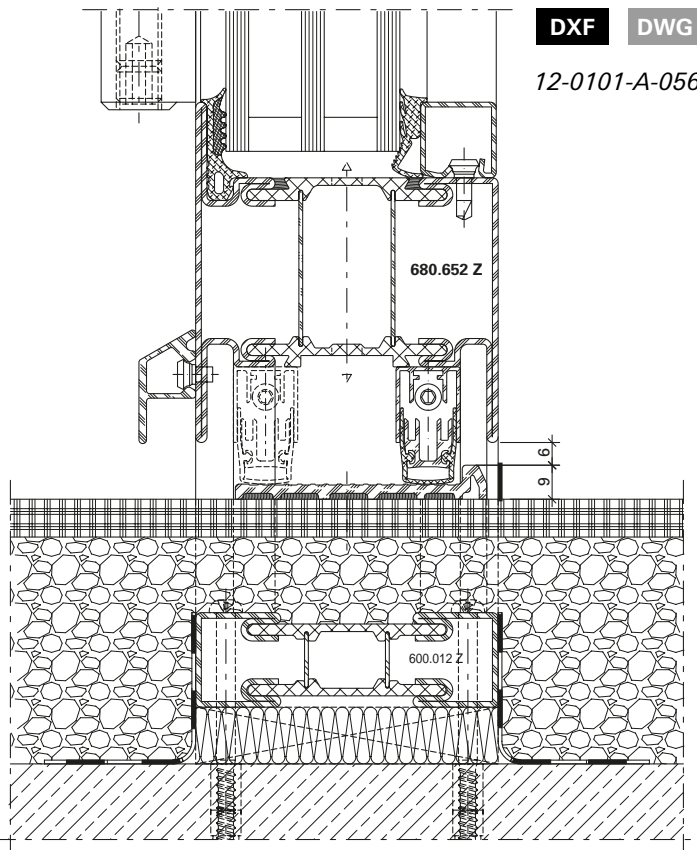
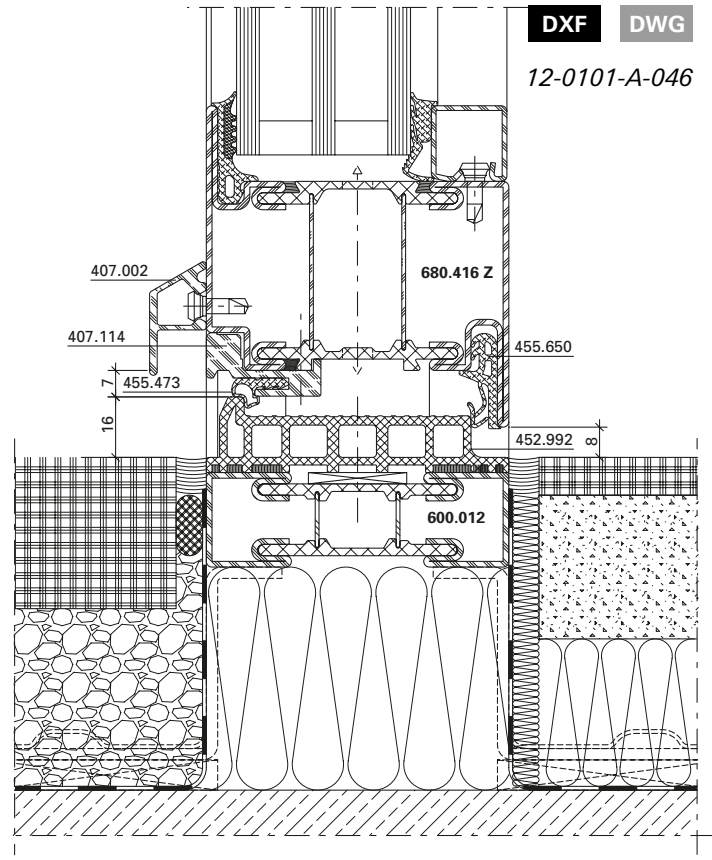
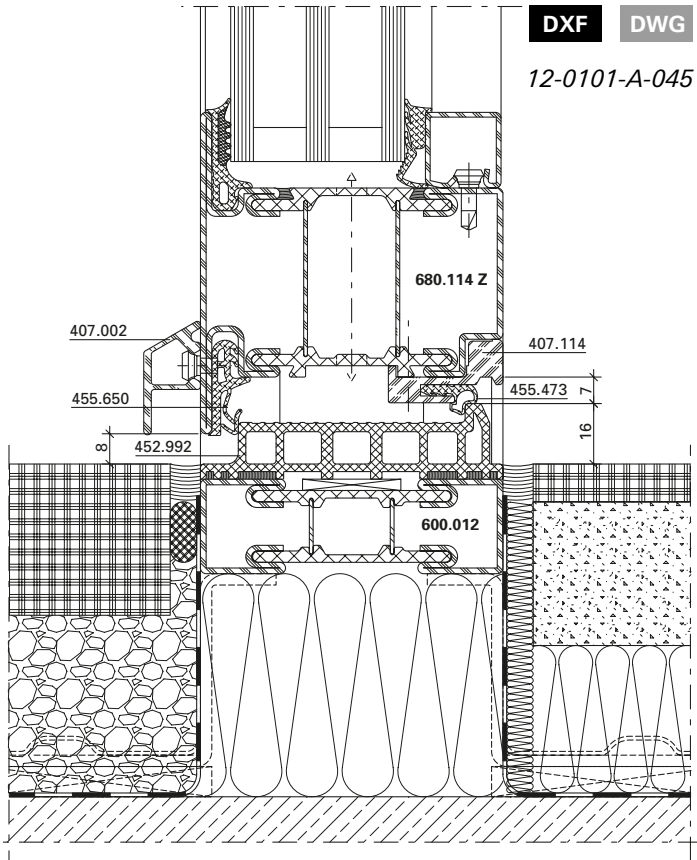
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 12-0101-A-043



DXF DWG 12-0101-A-044



Anschlüsse am Bau im Massstab 1:2

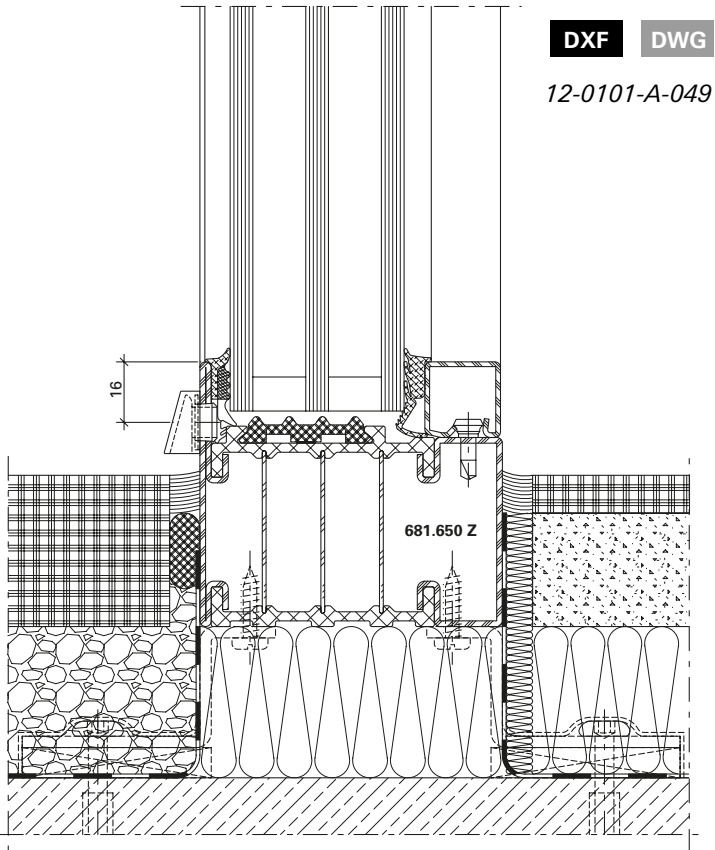
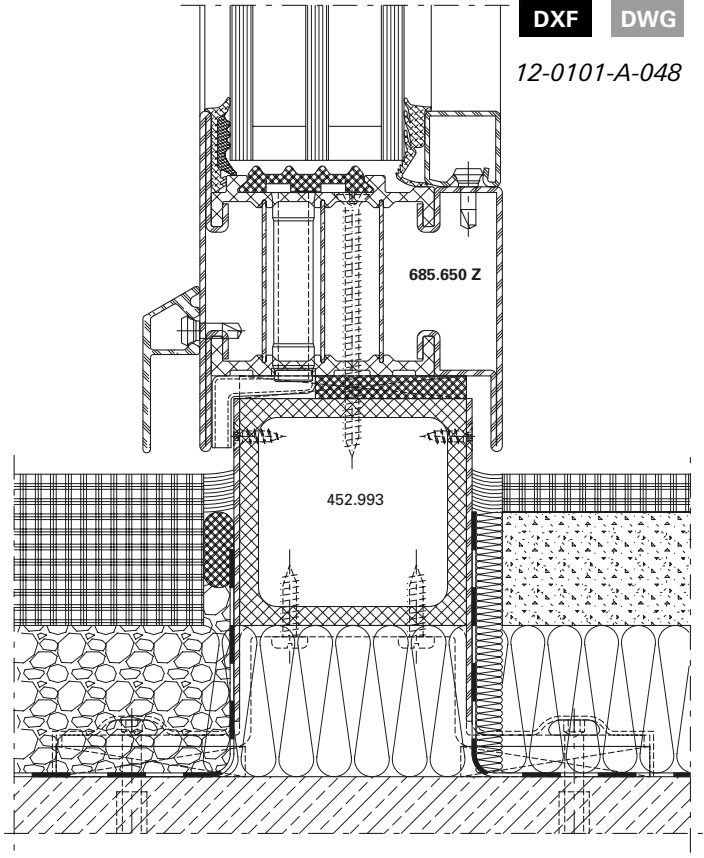
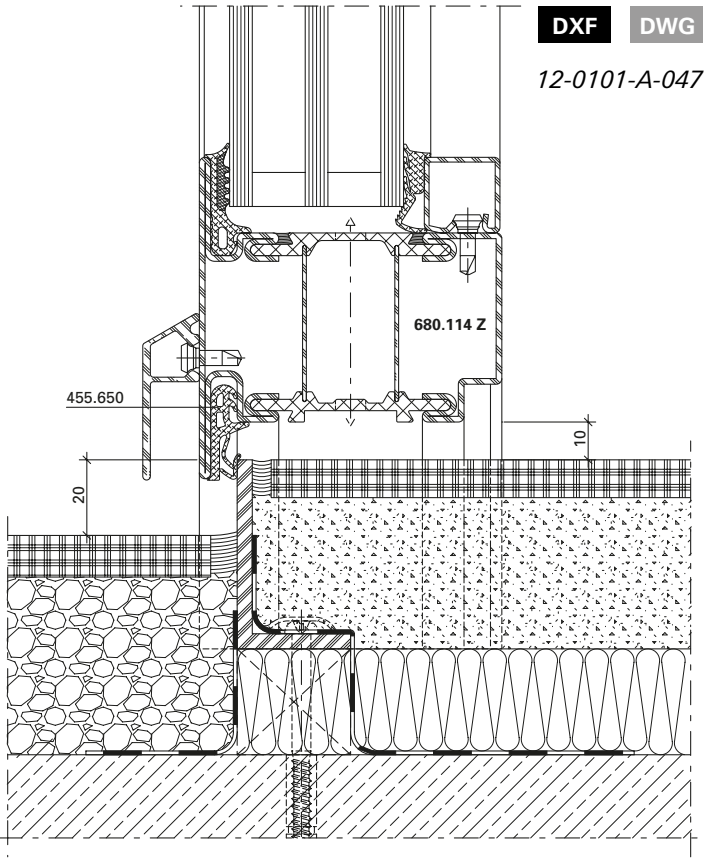
Raccords au mur à l'échelle 1:2

Attachment to structure on scale 1:2

Janisol HI Türen

Janisol HI portes

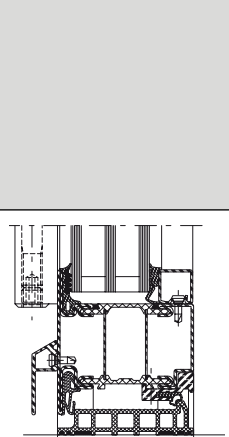



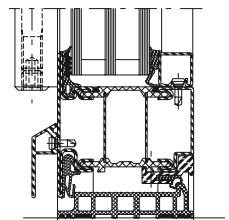
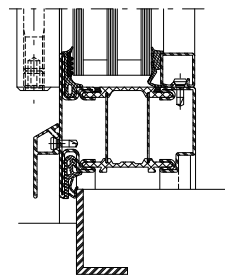
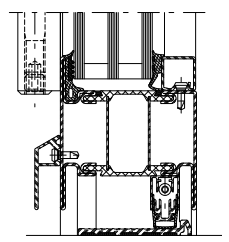
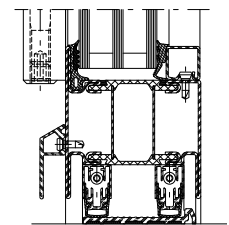
Janisol HI doors



**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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
								
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

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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

❶ Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

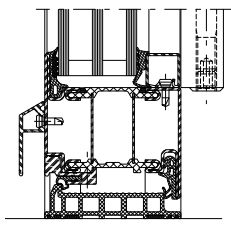



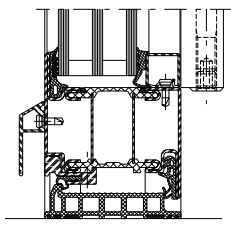
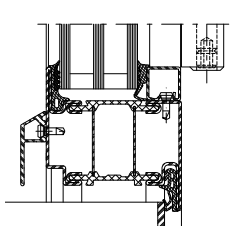
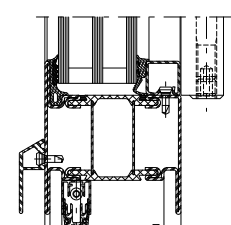
❷ Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

❸ Mehrfachverriegelungs-Schloss
Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
			Doppelanschlag Butée double Double rebate seal		1	2	1	-
		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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

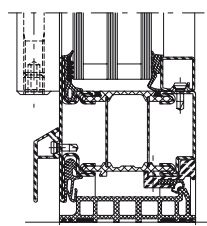



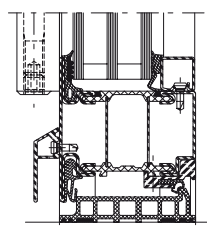
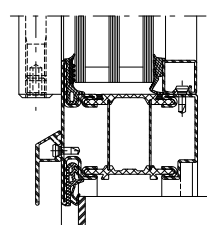
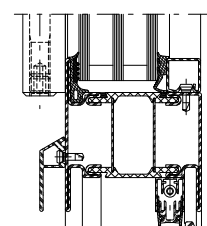
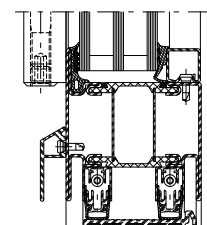
2 Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

3 Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Einflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 outward opening,
 leaf height < 3000 mm¹

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

Die Werte gelten für Trocken-
 und Nassverglasung

FB = Flügelbreite

* 2 Bänder

** 3 Bänder

¹ Profile Kammermass 30 mm
 nicht zulässig

1 Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

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

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

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

The values are valid for dry glazing
 and glazing with sealing

FB = Leaf width

* 2 hinges

** 3 hinges

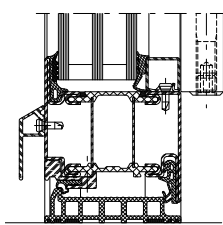



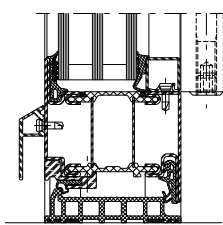
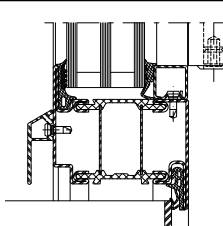
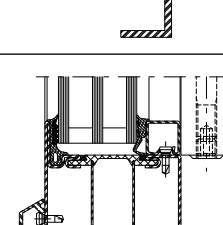
¹ Profiles with chamber dimensions
 of 30 mm not permitted

3 Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Einflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 inward opening,
 leaf height < 3000 mm¹

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

Die Werte gelten für Trocken- und Nassverglasung

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

① Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

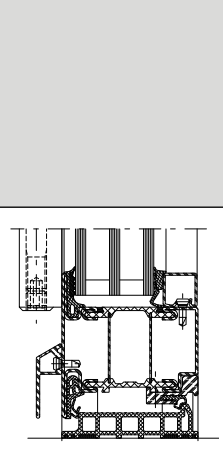
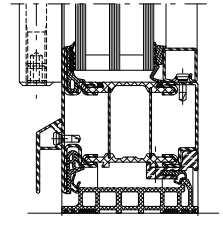
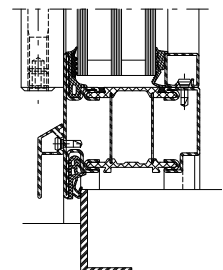
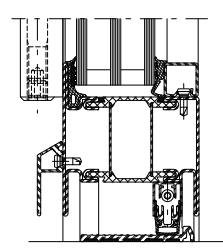
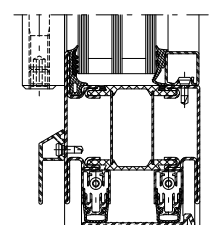
② Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

③ Mehrfachverriegelungs-Schloss
 Serrure 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**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

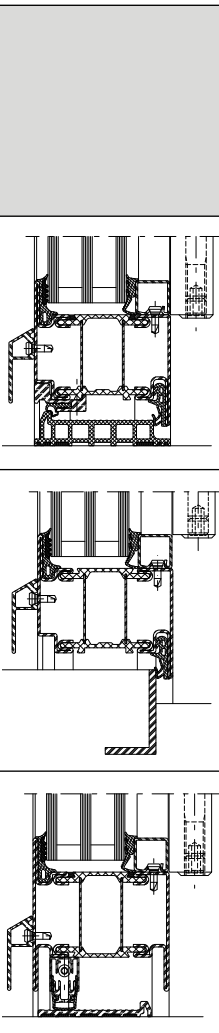



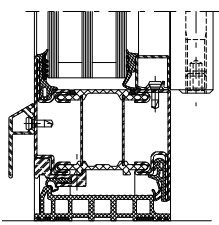
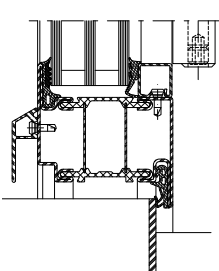
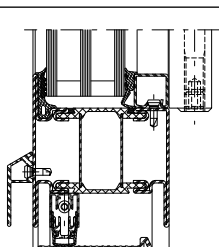
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
			Doppelanschlag Butée double Double rebate seal		1 2 3	2 4 4	1 3 3	- - -
Einfachanschlag Butée simple Single rebate seal		1 2 3	2 3 4	1 3 3	- - -	- - -	C2 C2/B3 C2	C2 C2/B3 C2
Einfache Senkdichtung Joint seuil simple Single drop seal		1 2 3	1 3 2	1 3 2	1A 1A 1A	1A 1A 1A	C2 C2/B3 C2	C2 C2/B3 C2

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

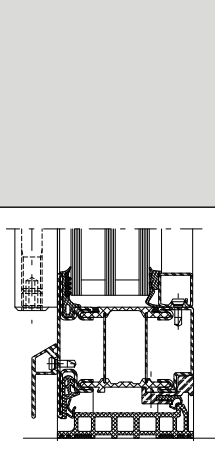
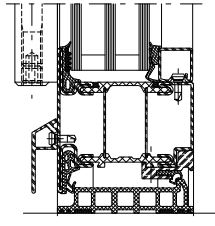
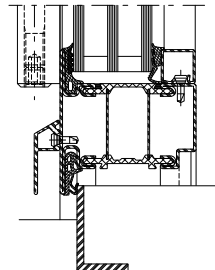
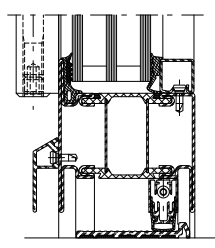
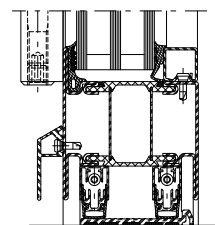
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrure à verrouillage multiple
Multipoint lock

Zweiflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 outward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

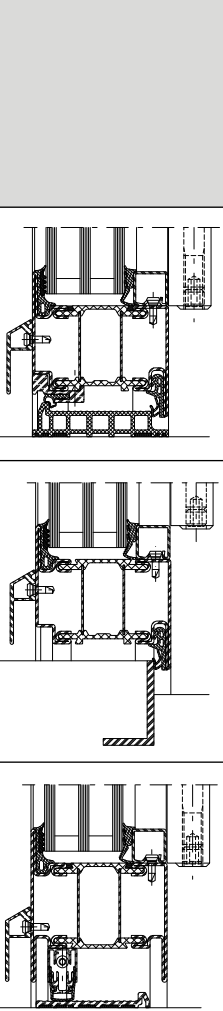



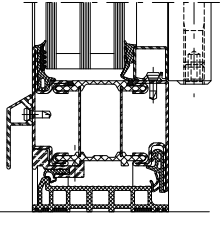
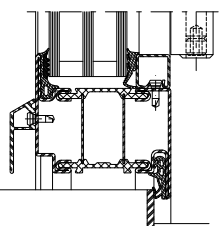
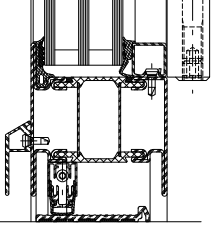
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 inward opening,
 leaf height < 3000 mm¹

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

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm
 nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions
 of 30 mm not permitted

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
 Serrure 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.


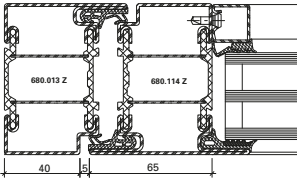
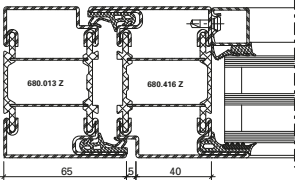
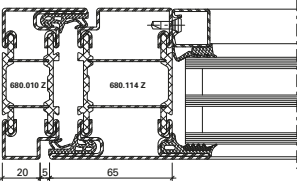
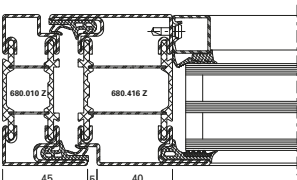
They are based on the following:

- 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)


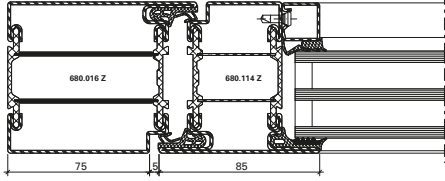
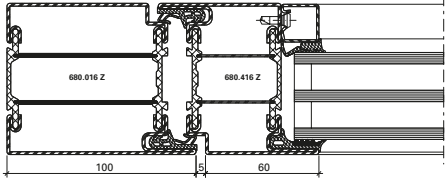
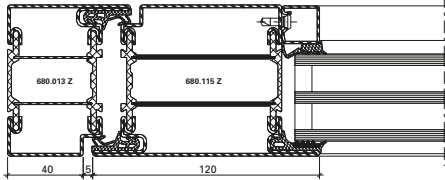
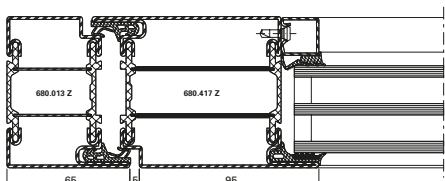
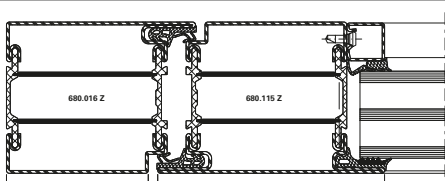
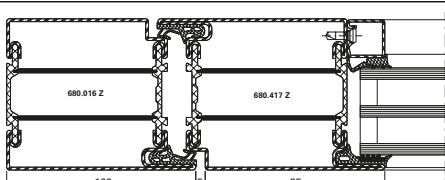
U_f values
 (according to EN ISO 10077-2:2018-01)

	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

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

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


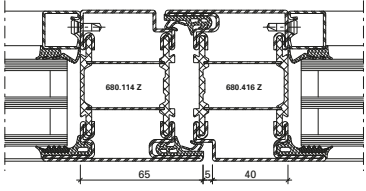
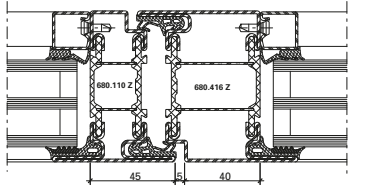
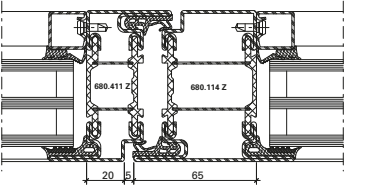
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K

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

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


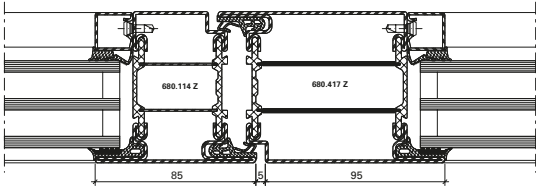
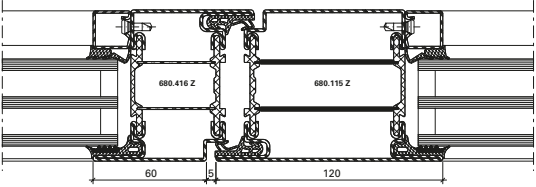
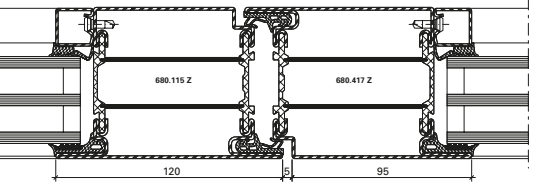
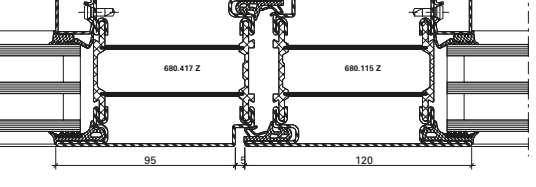
U_f values
 (according to EN ISO 10077-2:2018-01)

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


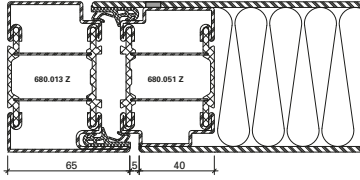
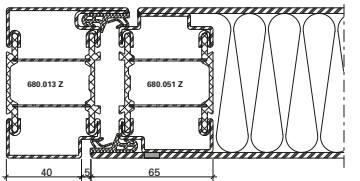
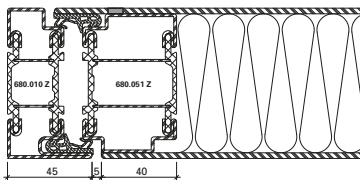
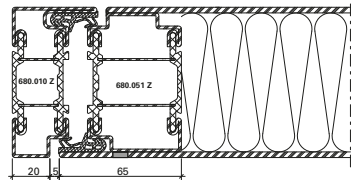
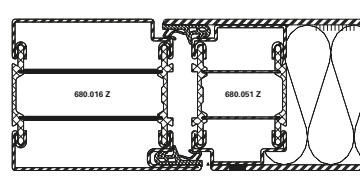
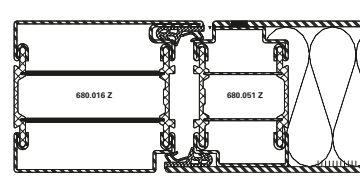
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,6 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,4 W/m ² K

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

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


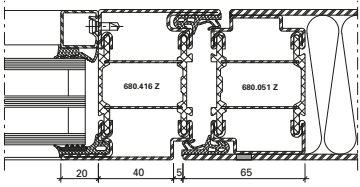
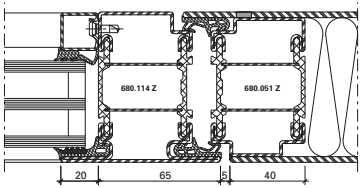
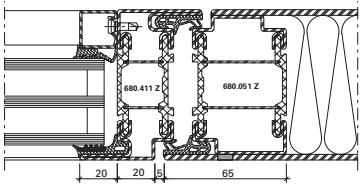
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,5 W/m ² K
	-	-	-	1,5 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,3 W/m ² K
	-	-	-	1,3 W/m ² K

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

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


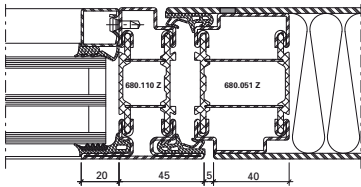
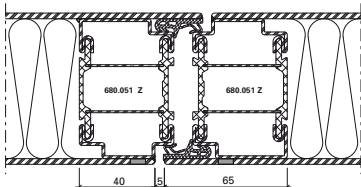
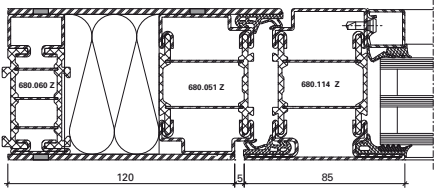
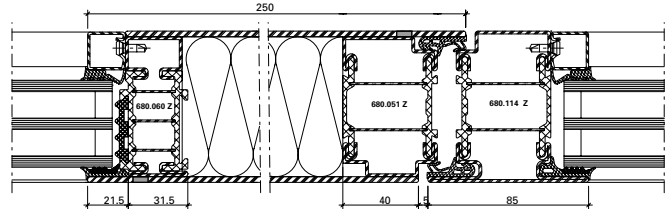
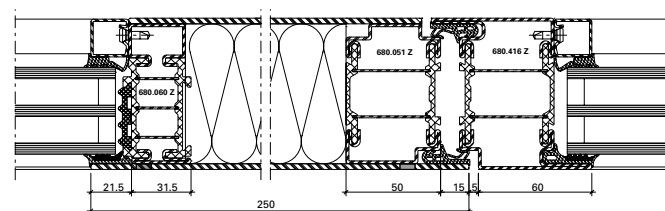
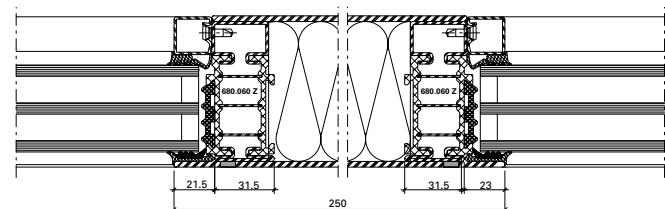
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-

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)


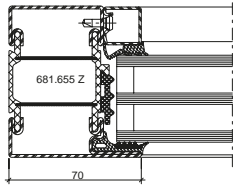
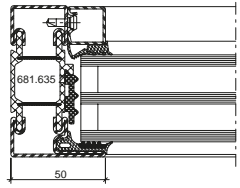
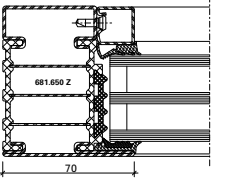
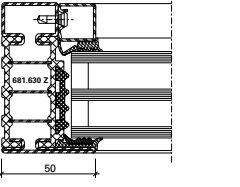
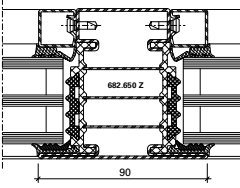
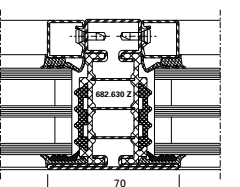
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,7 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-
	-	-	-	1,6 W/m ² K
	1,3 W/m ² K	1,3 W/m ² K	1,4 W/m ² K	-
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	-
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	-
	0,74 W/m ² K	0,77 W/m ² K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

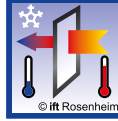
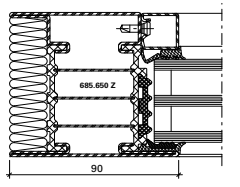
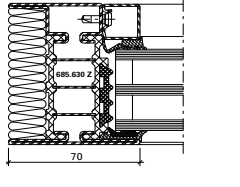
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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/m ² K	1,3 W/m ² K	1,6 W/m ² K
	1,4 W/m ² K	1,5 W/m ² K	1,9 W/m ² K
	0,89 W/m ² K	0,95 W/m ² K	1,2 W/m ² K
	1,0 W/m ² K	1,1 W/m ² K	1,4 W/m ² K
	0,84 W/m ² K	0,93 W/m ² K	1,3 W/m ² K
	0,93 W/m ² K	1,0 W/m ² K	1,5 W/m ² K


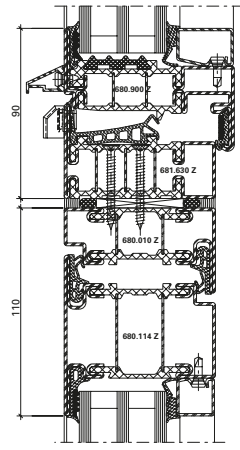
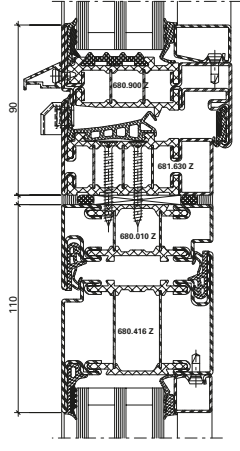
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	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	0,80 W/m ² K	0,85 W/m ² K	1,0 W/m ² K
	0,88 W/m ² K	0,95 W/m ² K	1,2 W/m ² K

* 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)


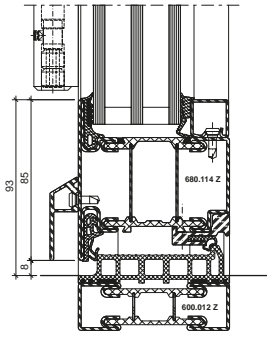
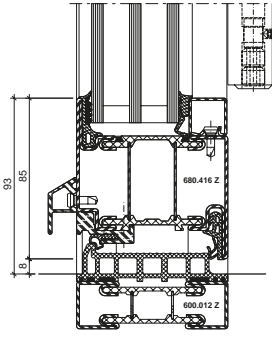
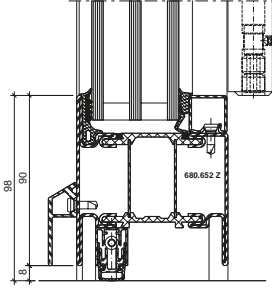
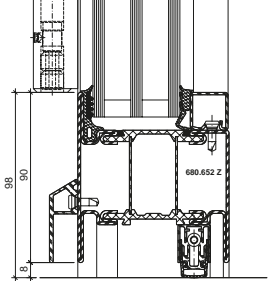
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–


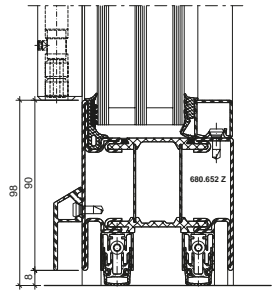
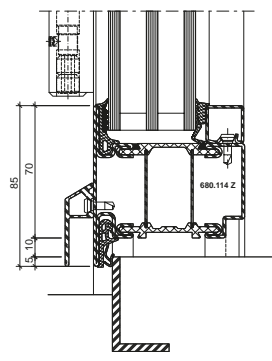
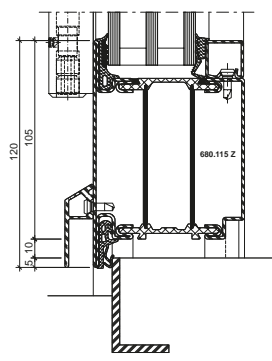
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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)


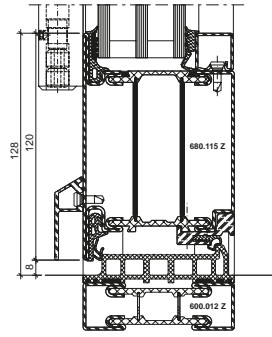
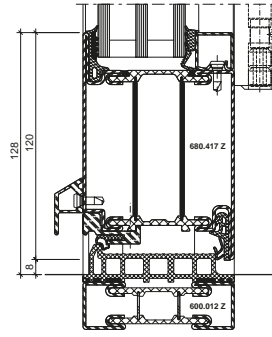
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,8 W/m ² K	2,0 W/m ² K
	1,8 W/m ² K	1,9 W/m ² K	2,1 W/m ² K
	2,5 W/m ² K	2,4 W/m ² K	2,7 W/m ² K
	2,2 W/m ² K	2,3 W/m ² K	2,4 W/m ² K

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,9 W/m ² K	2,0 W/m ² K
	3,2 W/m ² K	3,1 W/m ² K	3,3 W/m ² K
	2,4 W/m ² K	2,5 W/m ² K	2,5 W/m ² K

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

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


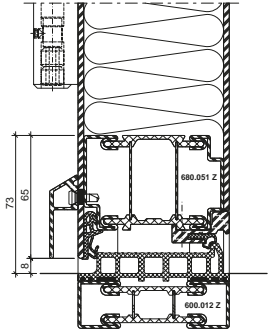
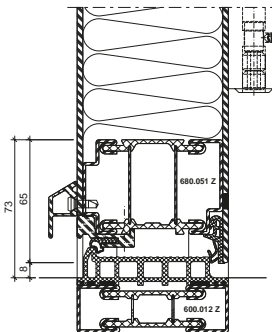
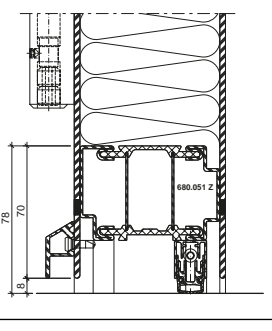
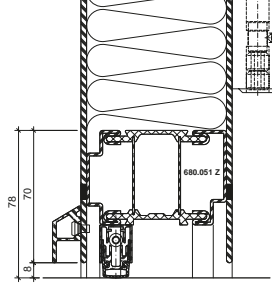
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,5 W/m ² K	1,6 W/m ² K
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K

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

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

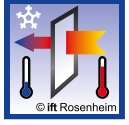
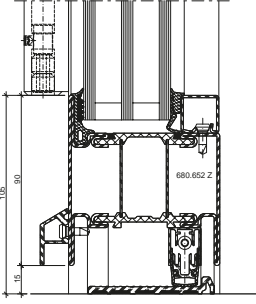
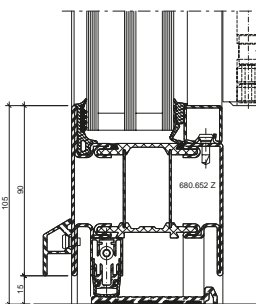
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,9 W/m²K
	-	-	-	1,9 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)


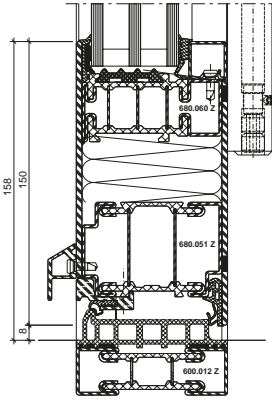
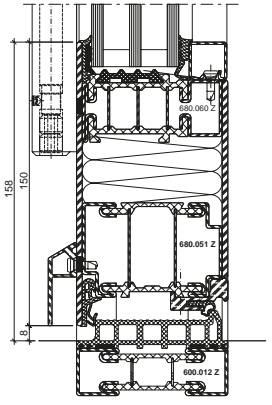
U_f values
 (according to EN ISO 10077-2:2018-01)


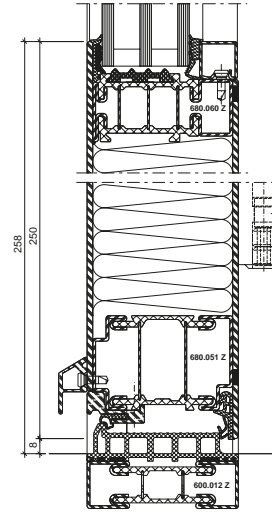
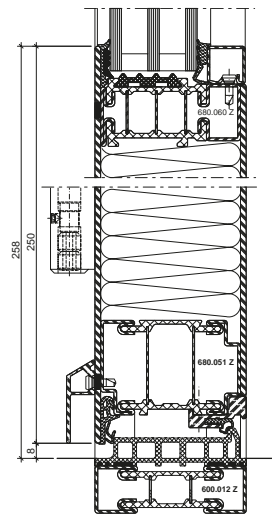
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	5,9 W/m ² K	6,0 W/m ² K	6,2 W/m ² K	–
	4,9 W/m ² K	5,0 W/m ² K	5,1 W/m ² K	–

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*
	1,4 W/m ² K	1,5 W/m ² K	1,5 W/m ² K
	1,4 W/m ² K	1,4 W/m ² K	1,5 W/m ² K

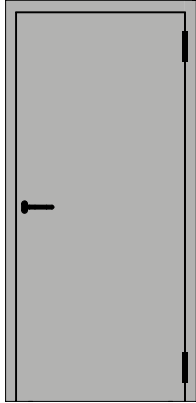
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	1,1 W/m ² K	1,1 W/m ² K	1,2 W/m ² K
	1,1 W/m ² K	1,1 W/m ² K	1,1 W/m ² K

* 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple

Multipoint lock

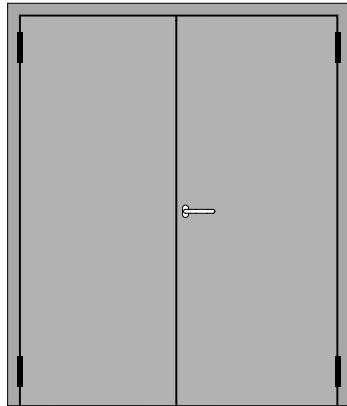
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 verriegelten 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple
Multipoint lock

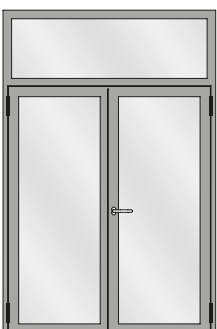
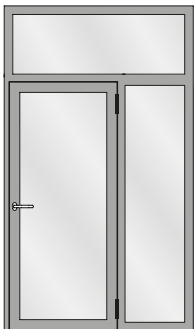
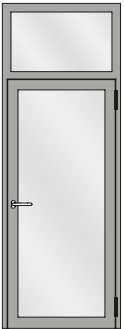
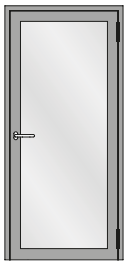
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten a / b ($\Delta T 5^\circ / \Delta T 10^\circ$) Résistance aux changements de température a / b ($\Delta T 5^\circ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



Schallschutz

Ausführungsvarianten

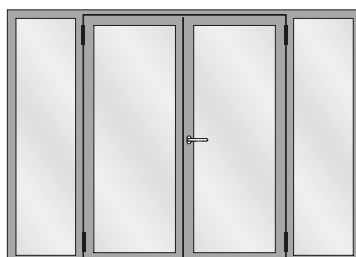
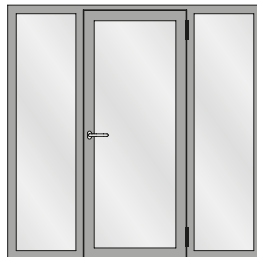
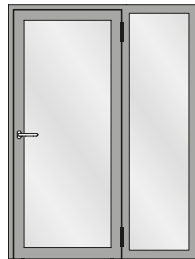
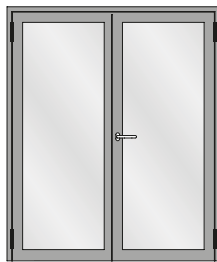
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.



Isolation phonique

Modèles

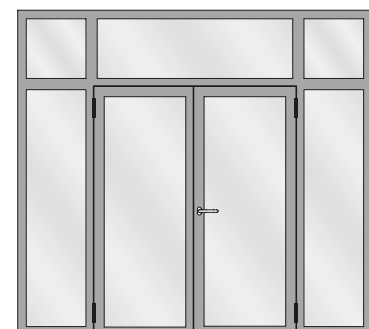
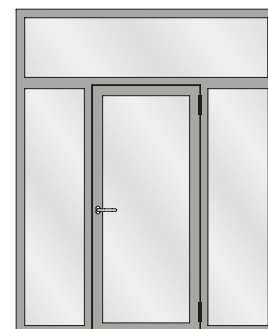
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.



Sound insulation

Design range

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



Schallschutz

Isolation phonique

Sound insulation

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 $R_{w+C_{tr}}$ ist der C_{tr} -Wert des Glases vom R_w abzuziehen.

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 $R_{w+C_{tr}}$, la valeur C_{tr} du verre doit être soustraite de R_w .

Table A1

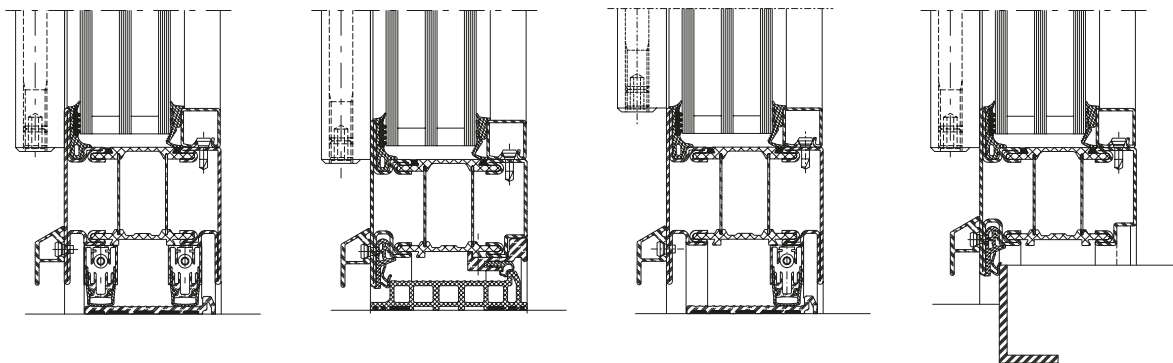
Correction table for Janisol HI doors with glass

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 $R_{w+C_{tr}}$, 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:

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

$R_{w,Tür}$ 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 $\leq 2,5$ m mit Einfallenschloss

K_{FV} Korrekturwert für festverglaste Elemente

K_{Nass} Korrekturwert für Nassverglasung

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

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

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

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

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

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

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

$K_{G3,7}$ Korrekturwert für Elemente mit Einzelscheiben $\geq 3,7$ m² und $\leq 5,5$ m²

$R_{w, porte}$ Cote d'isolement 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 $\leq 2,5$ 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 $\leq 0,4$ m²

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

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

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

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

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

Grafische Planungsdaten wie z.B. Anwendungsbeispiele, Konstruktionsdetails, Anschlüsse am Bau, die in unseren physischen oder elektronischen Dokumentationsunterlagen enthalten sind, sind schematische Darstellungen. Gleiches gilt für digitale Medien wie CAD Dateien oder BIM Modelle.

Sie sollen den ausführenden Metallbauer und/oder Fachplaner bei der Planung und Ausführung eines Projektes unterstützen. Sie sind im konkreten Anwendungsfall durch den ausführenden Metallbauer und/oder Fachplaner auf die Verwendbarkeit im konkreten betroffenen Projekt hinsichtlich rechtlichen/regulatorischen aber auch technischen objektspezifischen Anforderungen zu überprüfen und ggfs. eigenverantwortlich anzupassen.

Bei der Überprüfung, der spezifischen Planung und der Umsetzung sind die objektspezifischen Rahmenbedingungen (Material der Bausubstanz, Dimension des Einbauelements, Farbe, Exposition, Lasteinwirkung, etc.) sowie der geltende Stand der Technik einschliesslich aller anwendbaren Normen und technischen Richtlinien eigenverantwortlich zu beachten.

Falls das vorliegende Dokument Differenzen zur aktuellen deutschen Version (Artikel Nr. K1214219) aufweist, gilt in jedem Fall der deutsche Originaltext in der jeweils geltenden Fassung im Jansen Docu Center.

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

Les données de planification graphiques, comme les exemples d'application, détails de construction et raccordements au bâtiment, fournies dans notre documentation physique et numérique sont des représentations schématiques. Il en va de même pour les médias numériques comme les fichiers CAD ou modèles BIM.

Leur but est de faciliter la planification et réalisation d'un projet par les constructeurs métalliques et/ou concepteurs. Concrètement, elles doivent être vérifiées par le constructeur métallique et/ou le concepteur et, le cas échéant, modifiées de son propre chef pour s'assurer qu'elles concordent avec le projet concerné et qu'elles répondent aux exigences techniques spécifiques ainsi qu'aux dispositions légales et réglementaires.

Lors de la vérification, de la planification spécifique et de la mise en œuvre, il y a lieu de tenir compte des conditions spécifiques à l'objet (matériaux du bâtiment, dimension de l'élément d'insert, couleur, exposition, effet de charge, etc.) ainsi que de l'état actuel de la technique, y compris toutes les normes et directives techniques applicables.

En cas de divergence entre le présent document et la version allemande (no d'article K1214219), c'est dans tous les cas le texte original allemand qui prévaut dans sa version actuelle disponible dans le Jansen Docu Center.

Nous avons apporté le plus grand soin à l'élaboration de cette documentation. Cependant, nous déclinons toute responsabilité pour l'utilisation faite de nos propositions et de nos données.

Nous nous réservons le droit de procéder à des modifications techniques sans préavis.

Graphical planning data such as application examples, construction details, connections on site that are contained in our physical or electronic documentation components are schematic representations. The same applies to digital media such as CAD files or BIM models.

They are intended to support the metal worker and/or design engineer in planning and executing projects. In the specific case of application they are to be checked by the metal worker and/or design engineer in terms of their usability in the specific project concerned with regard to legal/regulatory and technical property-specific requirements and adjusted if necessary at the latter's own responsibility.

The property-specific underlying conditions (construction material, dimensions of installation element, colour, exposure, load effect etc.) and current state of the art including all applicable norms and technical guidelines are to be taken into consideration at the metal worker and/or design engineer's own responsibility during the review, specific planning and implementation.

If there are any differences between this document and the current German version (item number K1214219), the latest version of the original German text in the Jansen Docu Center shall prevail.

All the information contained in this documentation is given to the best of our knowledge and ability. However, we decline all responsibility for the use made of these suggestions and data.

We reserve the right to effect technical modifications without prior warning.

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Leistungseigenschaften

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Janisol HI Türen

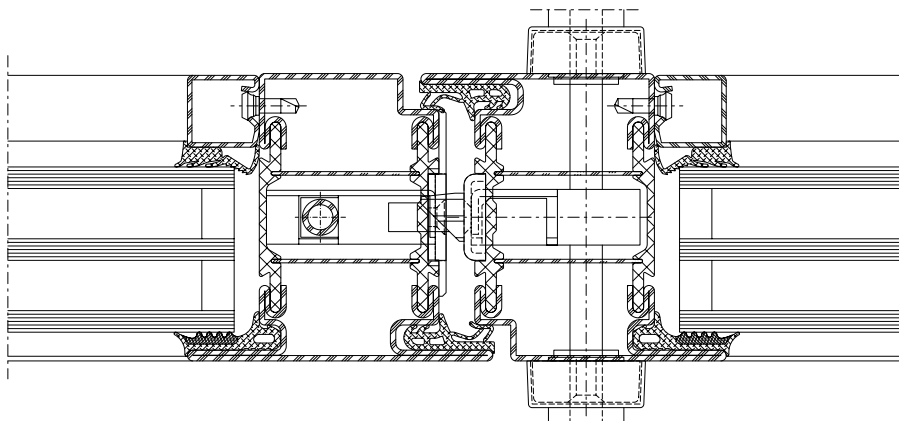
- Bautiefe 80 mm, Türflügel innen und aussen flächenbündig
- Schmale Profilansichten: Rahmen mit Türflügel 130 mm, Türstulpbereich 150 mm
- Für ein- und zweiflügelige Türen, einwärts und auswärts öffnend, mit oder ohne Oberlicht und Seitenteile
- Grösse Türflügel bis max. 1400 mm x 3000 mm (b×h) Flügelgewicht 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

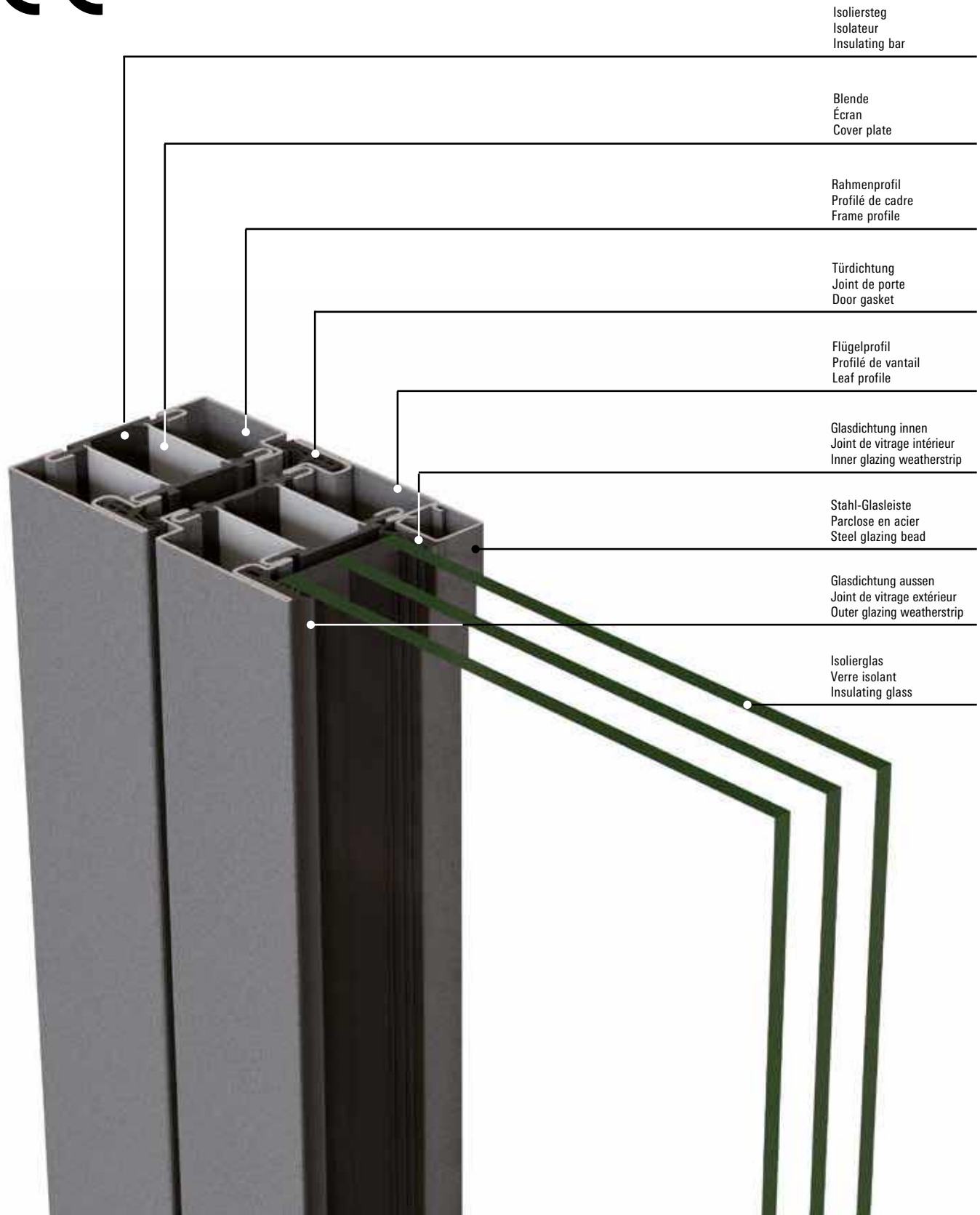
Janisol HI portes










- 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








Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value										
		npd	1 (400)	2 (800)	3 (1200)	4 (1600)	5 (2000)	Exxx (>2000)				
 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 Étanchéité 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/(m ² ·K)) Transmission thermique U_f (W/(m ² ·K)) Thermal production U_f (W/(m ² ·K))	npd	ab 0,74 W/m ² K à partir de 0,74 W/m ² K from 0,74 W/m ² K									
 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 1627	Einbruchhemmung Anti-effraction Burglar resistance	npd	1	2	3	4	5	6				
 EN 14024	Metallprofile mit thermischer Trennung Profils en métal. avec rupture de pont thermique Metal profiles with thermal barrier		CW / TC2									

npd = keine Leistung festgestellt
(no performance determined)

npd = Aucune performance
déterminée
(no performance determined)

npd = no performance determined

Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung/Wert Classification / Valeur Classification / Value								
		D	1	2	3	4	5	6	7	8
 EN 12400	Dauerfunktionsprüfung Durabilité mécanique Mechanical durability		5'000	10'000	20'000	50'000	100'000	200'000	500'000	1'000'000
 EN 12217	Bedienkräfte Forces de manœuvre Operating forces	npd	0	1			2			
 DIN 18008-4	Vorgefertigte absturzsichernde Verglasung Vitrage anti-chutes préfabriquée 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

Zur Erreichung der maximalen Leistungswerte bzw. der CE-Kennzeichnung sind die Gutachtlichen Stellungnahmen zu beachten.
(docucenter.jansen.com)

Il doit être tenu compte des avis d'expert dans le but d'obtenir les valeurs de performance maximales et le marquage CE.
(docucenter.jansen.com)

To achieve the maximum performance values and/or the CE marking, the expert appraisal report must be observed.
(docucenter.jansen.com)



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

- Verschlussystem für Notausgangstüren nach EN 179
- Verschlussystem 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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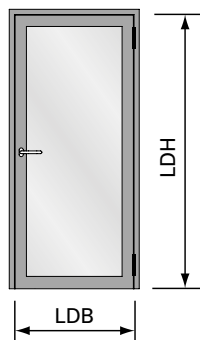
The items «Article library/Door fittings/Window fittings» means that you download the entire article library for the corresponding system with one click (profiles, fittings, glazing beads, accessories etc.).

Information and advice

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Technische Daten
Données techniques
Technical data

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 1360 mm
 min. 600 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 1360 mm
 min. 600 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

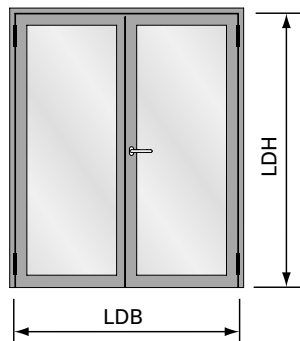
Poids de vantail max. 280 kg

Size of elements

LDB Clear opening width
 max. 1360 mm
 min. 600 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

Weight of leaf max. 280 kg



Elementgrößen

LDB Lichte Durchgangsbreite
 max. 2740 mm
 min. 1200 mm

LDH Lichte Durchgangshöhe
 max. 2992 mm
 min. 1900 mm

Flügelgewicht max. 280 kg

Tailles des éléments

LDB Largeur vide lumière
 max. 2740 mm
 min. 1200 mm

LDH Hauteur vide lumière
 max. 2992 mm
 min. 1900 mm

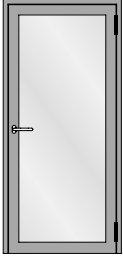
Poids de vantail max. 280 kg

Size of elements

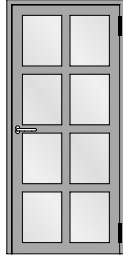
LDB Clear opening width
 max. 2740 mm
 min. 1200 mm

LDH Clear opening height
 max. 2992 mm
 min. 1900 mm

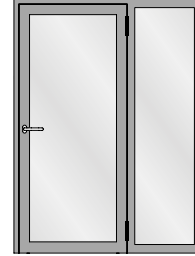
Weight of leaf max. 280 kg



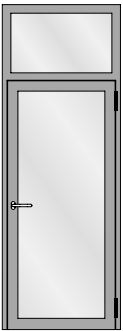
Einflügelige Türe
Porte à un vantail
Single leaf door



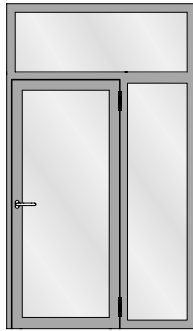
Einflügelige Türe mit Riegel
Porte à un vantail avec traverses
Single leaf door with transoms



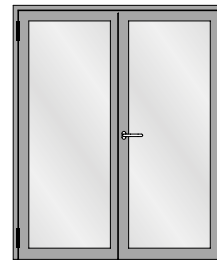
Einflügelige Türe mit festem Seitenteil
Porte à un vantail avec partie latérale fixe
Single leaf door with fixed side light



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



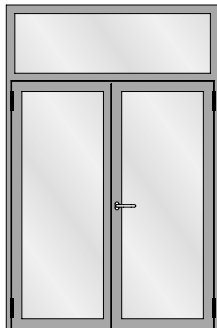
Einflügelige Türe mit festem Seitenteil und festem Oberlicht
Porte à un vantail avec partie latérale fixe et imposte fixe
Single leaf door with fixed side light and fixed top light



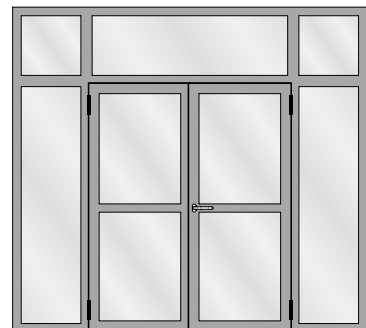
Zweiflügelige Türe
Porte à deux vantaux
Double leaf door



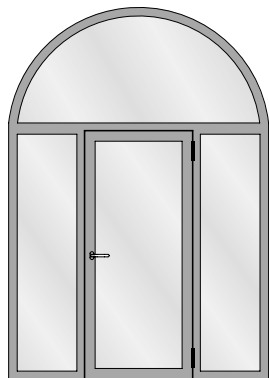
Zweiflügelige Türe mit zwei festen Seitenteilen
Porte à deux vantaux avec deux parties latérales fixes
Double leaf door with two fixed side lights



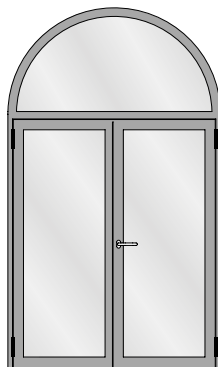
Zweiflügelige Türe mit festem Oberlicht
Porte à deux vantaux avec imposte fixe
Double leaf door with fixed top light



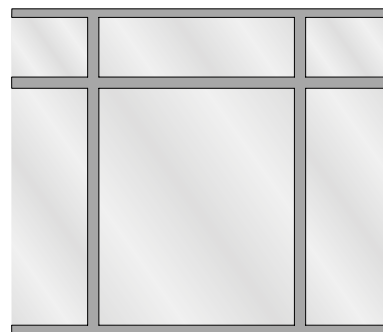
Zweiflügelige Türe mit zwei festen Seitenteilen und festen Oberlichtern
Porte à deux vantaux avec deux parties latérales fixes et impostes fixes
Double leaf door with two fixed side lights and fixed top lights



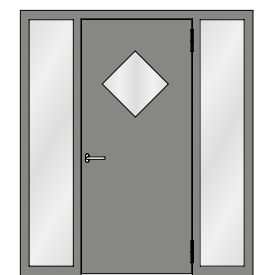
Einflügelige Türe mit zwei festen Seitenteilen und Rundbogen-Oberlicht
 Porte à un vantail avec deux parties latérales fixes et imposte demi-ronde
 Single leaf door with two fixed side lights and round arched top light



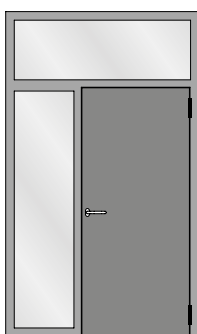
Zweiflügelige Türe mit Rundbogen-Oberlicht
 Porte à deux vantaux avec imposte demi-ronde
 Double leaf door with round arched top light



Festverglasung
 Vitrage fixe
 Fixed glazing



Verblechte einflügelige Türe mit zwei festen Seitenteilen
 Porte tôleée 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 tôleée 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 tôleée 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.

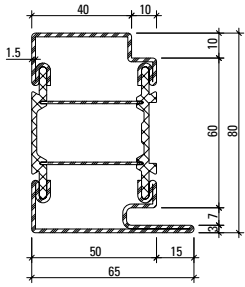
Hinweis Oberflächenbehandlung:
 Wegen der Lochschweißungen empfehlen wir eine Nasslackierung mit vorgängigem Spachteln.

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

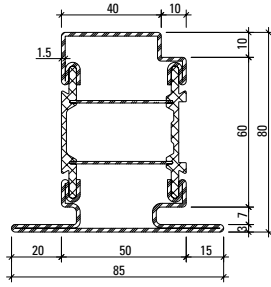
Indications sur le traitement de surface:
 En raison des soudures bouchons, nous recommandons un laquage avec vernis liquide précédé d'un rebouchage.

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.

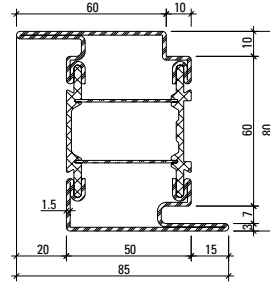
Surface treatment note:
 We recommend wet lacquering preceded by priming, due to the plug welds.



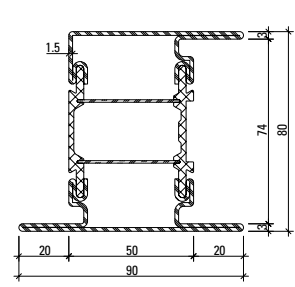
680.013 Z



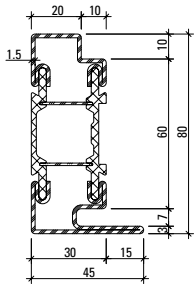
680.114 Z



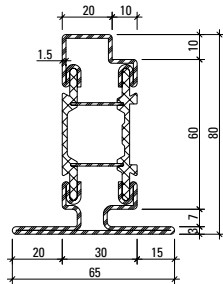
680.416 Z



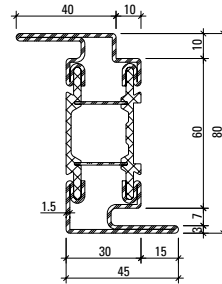
680.652 Z



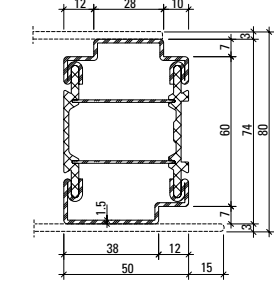
680.010 Z



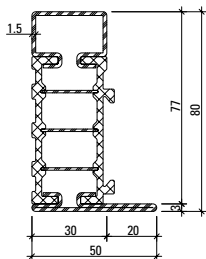
680.110 Z



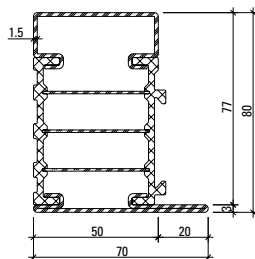
680.411 Z



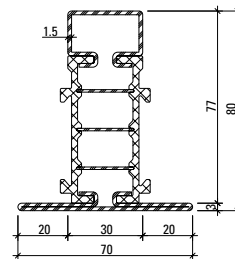
680.051 Z



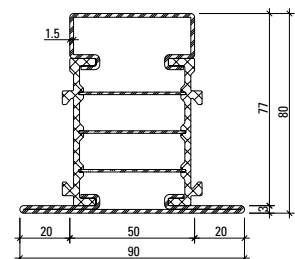
681.630 Z



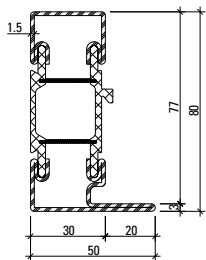
681.650 Z



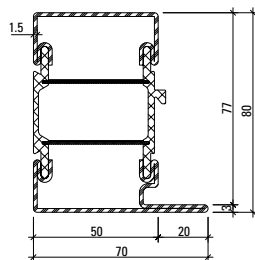
682.630 Z



682.650 Z



681.635 Z*

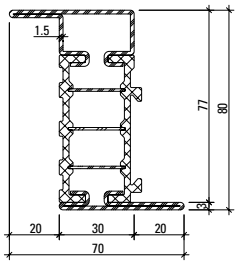


681.655 Z*

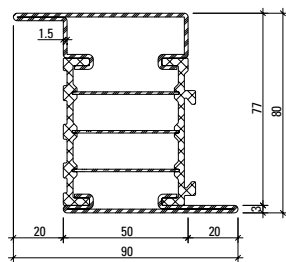
*in Kombination mit Bogen
 *en combinaison avec des cintres
 *in combination with arched design

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /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

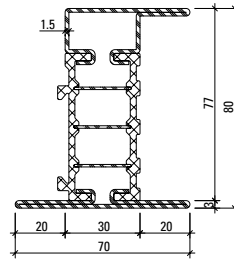
Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.010 Z	3,851	25,60	5,36	6,04	2,19	0,308
680.110 Z	4,435	29,52	5,62	10,06	2,99	0,357
680.411 Z	4,440	34,55	8,53	10,05	2,99	0,357
680.051 Z	3,635	21,02	5,61	11,88	4,68	0,280
681.630 Z	3,713	25,83	5,65	5,61	1,85	0,297
681.650 Z	4,331	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



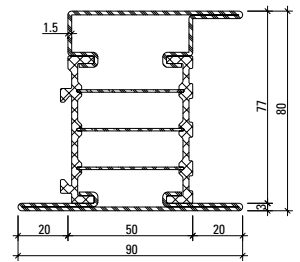
683.630 Z



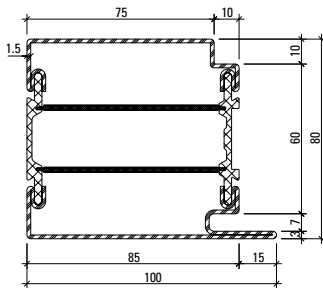
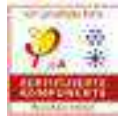
683.650 Z



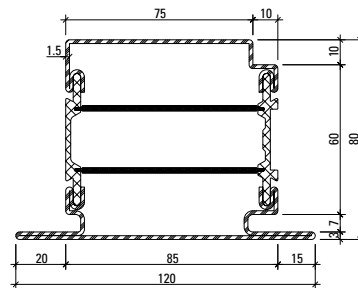
685.630 Z



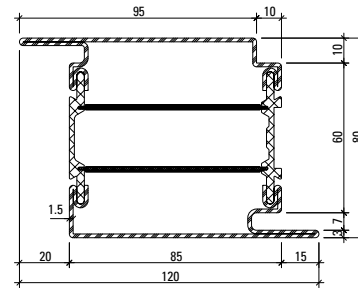
685.650 Z



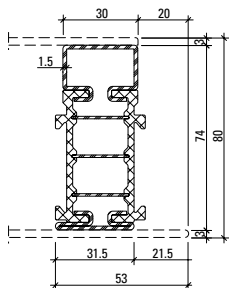
680.016 Z



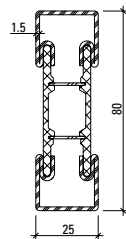
680.115 Z



680.417 Z



680.060 Z



600.012
600.012 Z

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 Article library

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

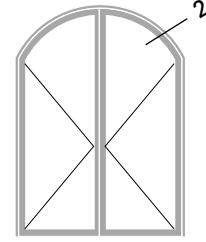
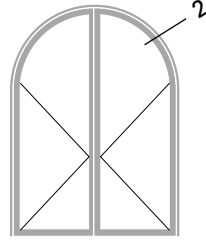
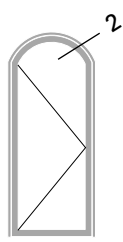
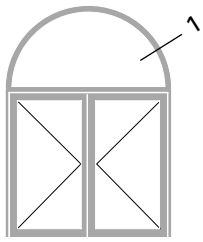
Insulator = glassfibre reinforced plastic

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y 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

Profil-Nr.	G kg/m	I _x cm ⁴	W _x cm ³	I _y cm ⁴	W _y cm ³	U m ² /m
680.016 Z	5.688	43.69	9.60	62.25	11.95	0.417
680.115 Z	5.948	48.44	9.83	81.85	13.31	0.466
680.417 Z	6.257	52.25	12.94	81.91	13.32	0.466
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

Bogentüren
Portes cintrées
Arched doors

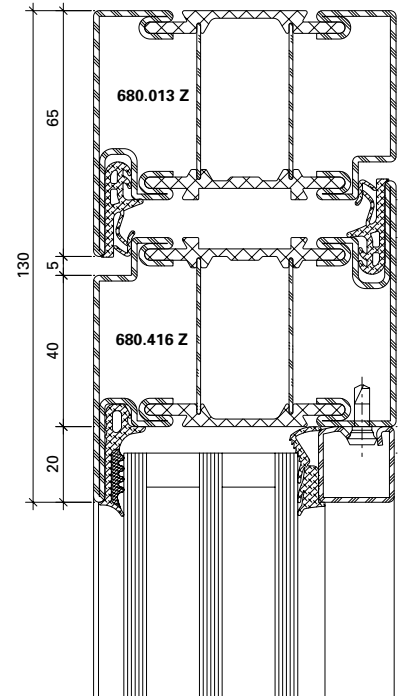
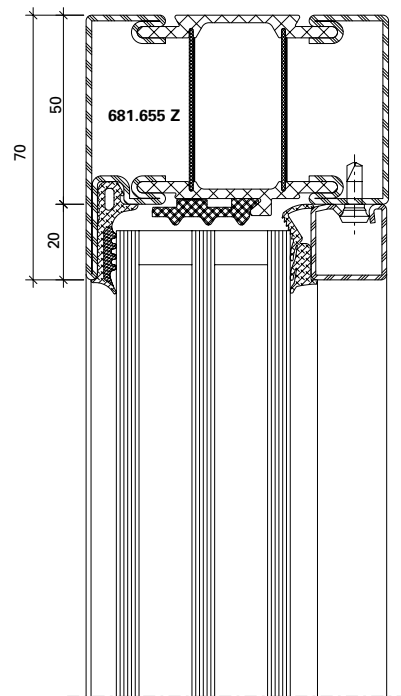
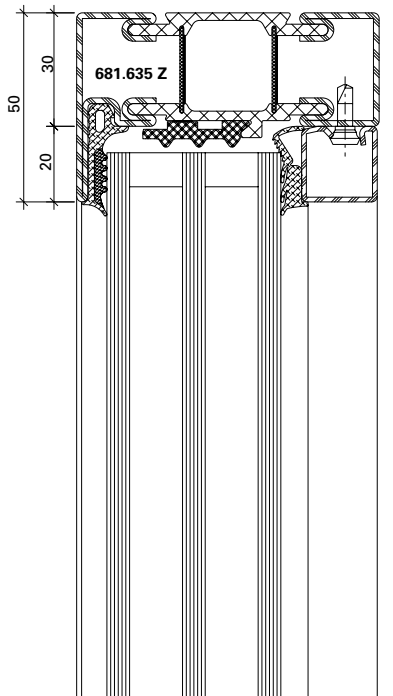
Janisol HI Türen
Janisol HI portes
Janisol HI doors



1.0

1.1

2.0



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

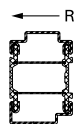
Les rayons indiqués concernent la fabrication des cintres par la société Jansen.

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

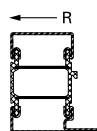
Bogentüren
Portes cintrées
Arched doors

Janisol HI Türen
 Janisol HI portes
 Janisol HI doors

Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---

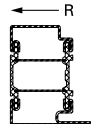


680.051 Z	600 mm
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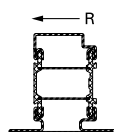


681.635 Z	700 mm
681.655 Z	750 mm

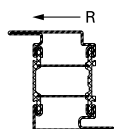
Profil Profilé Profile	Min. Radius Rayon min. Min. radius R
------------------------------	---



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.

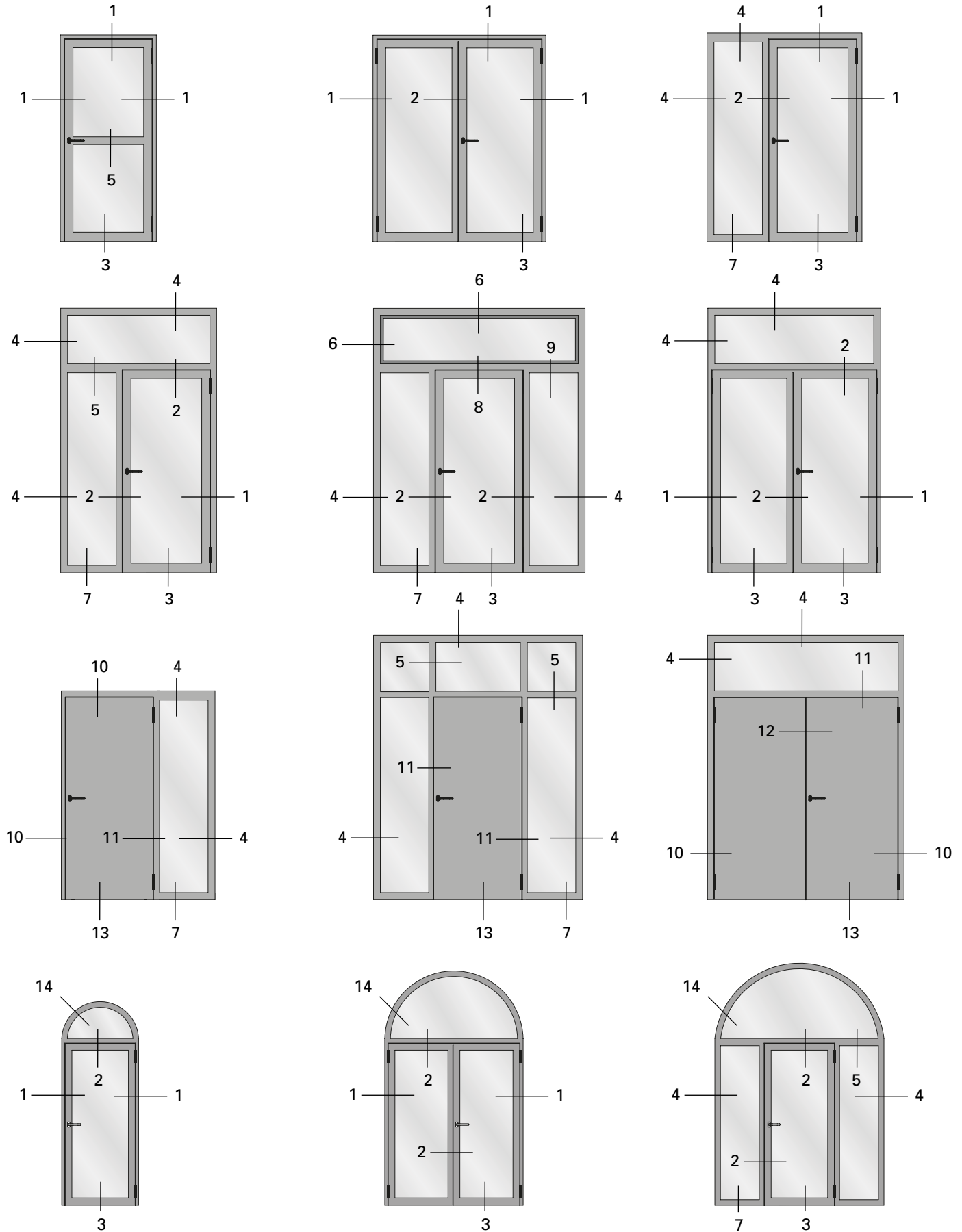
Bitte benutzen Sie unsere Bestellvorlagen auf docucenter.jansen.com

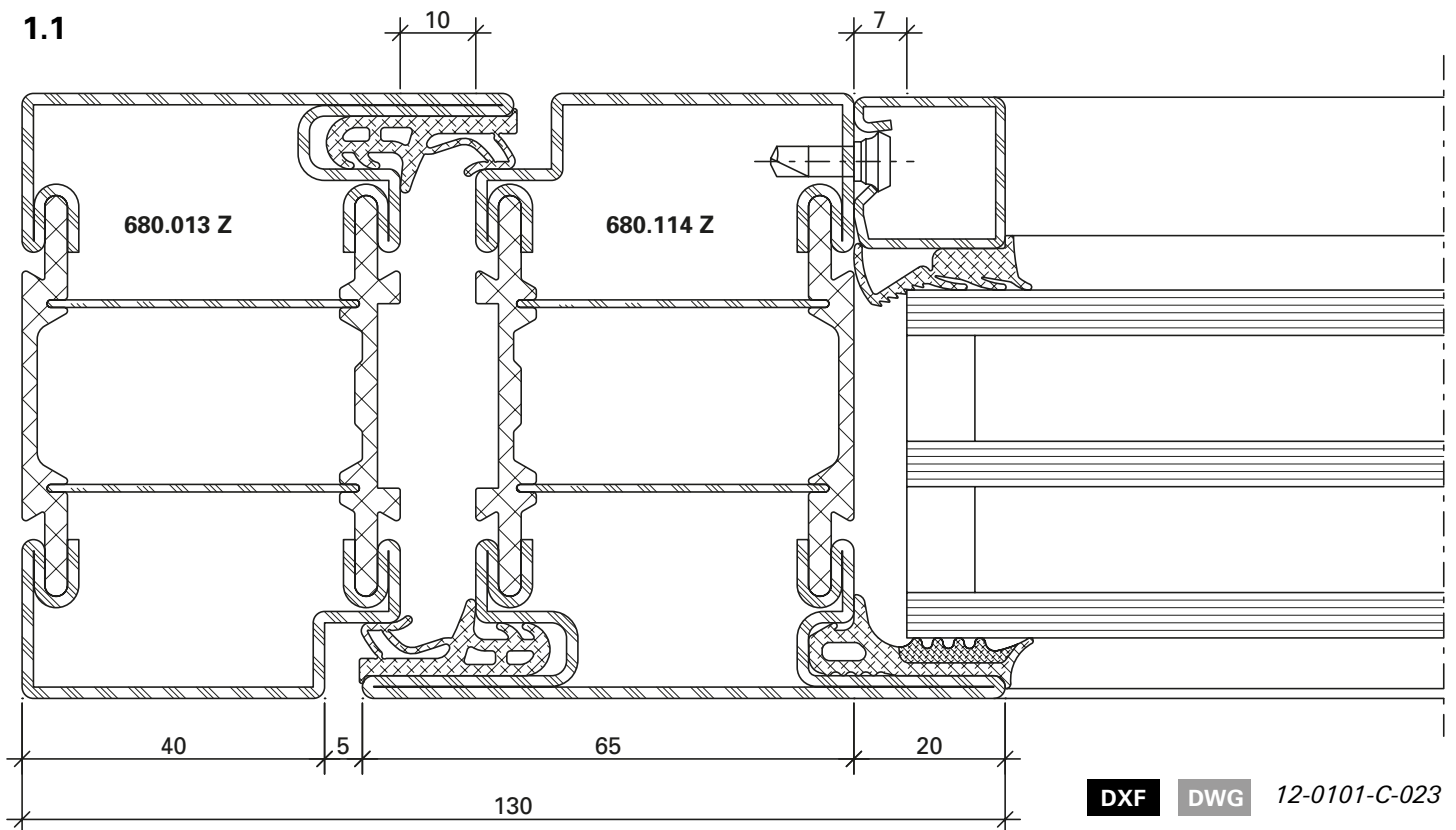
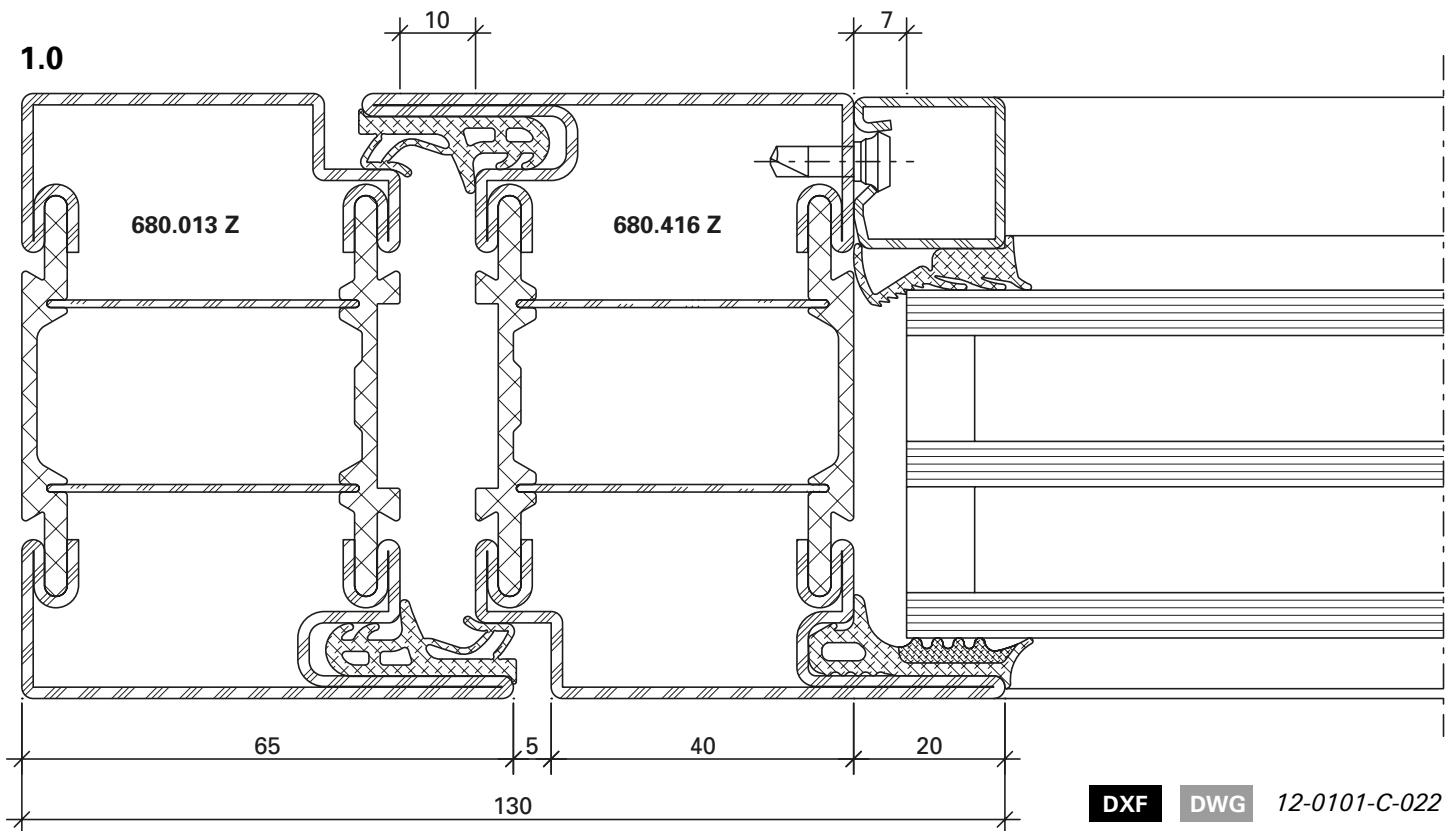
Autres types de profilés et profilés au tracé cintré sur demande.

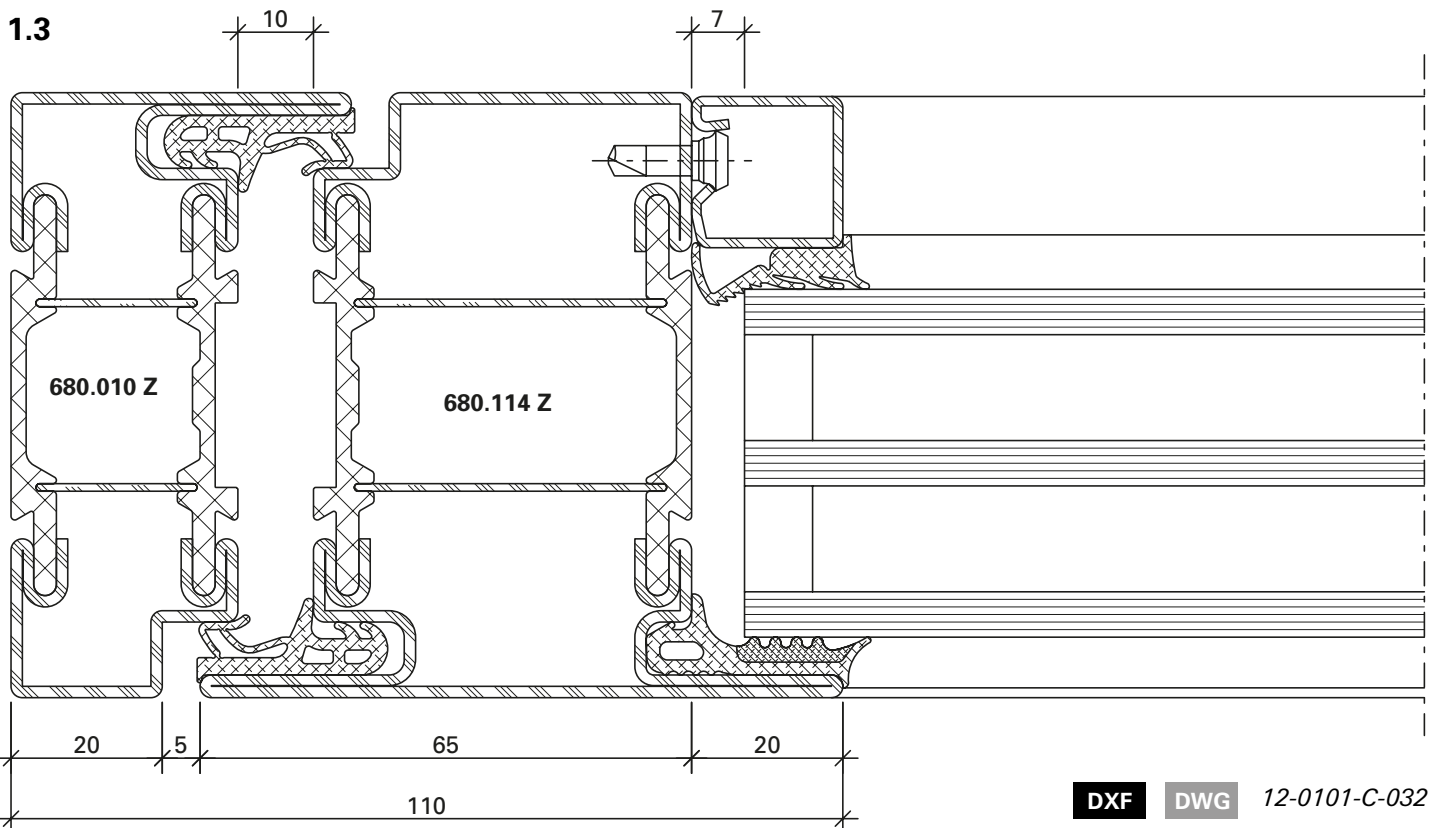
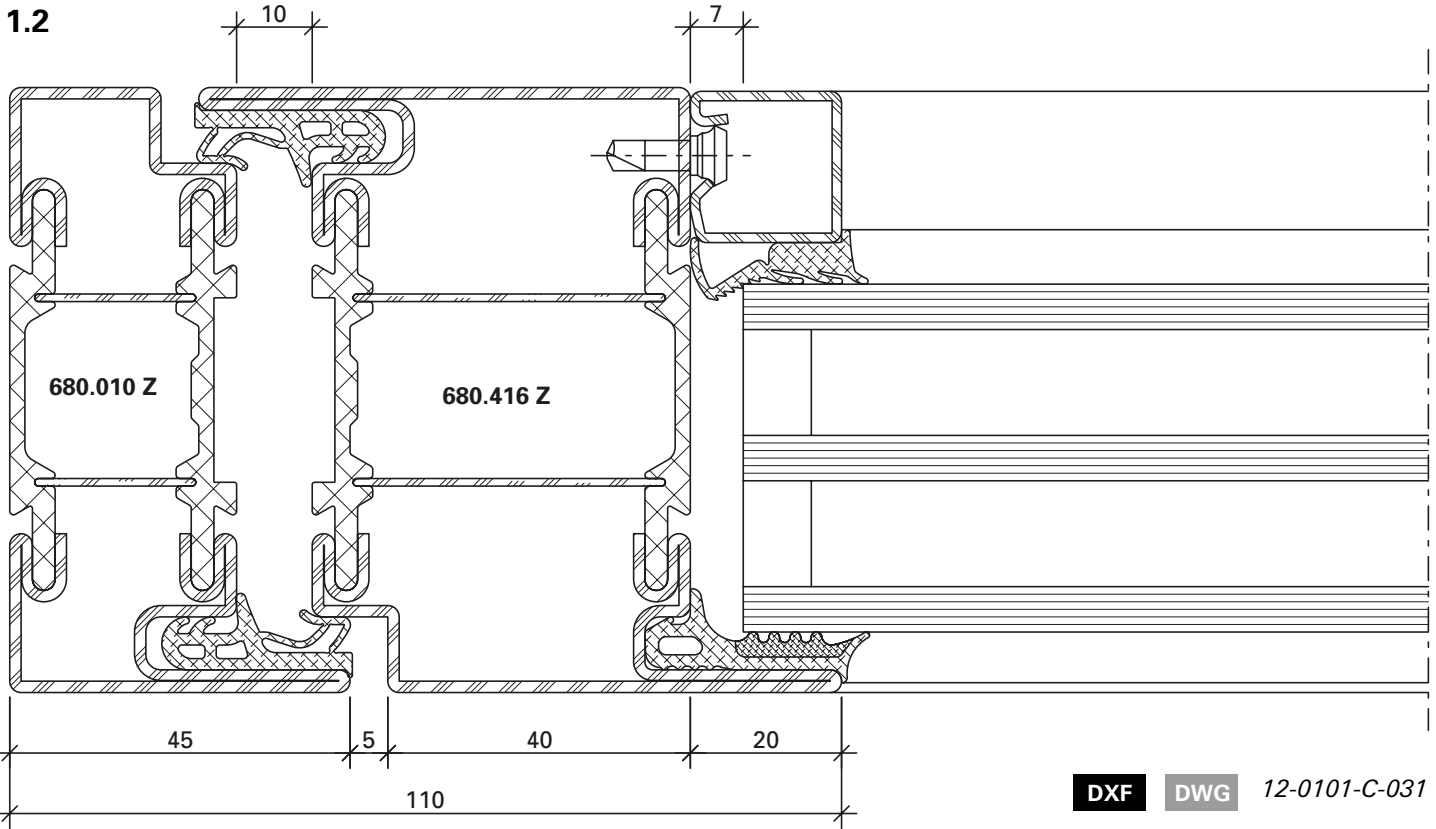
Veuillez utiliser nos formulaires de commande sur docucenter.jansen.com

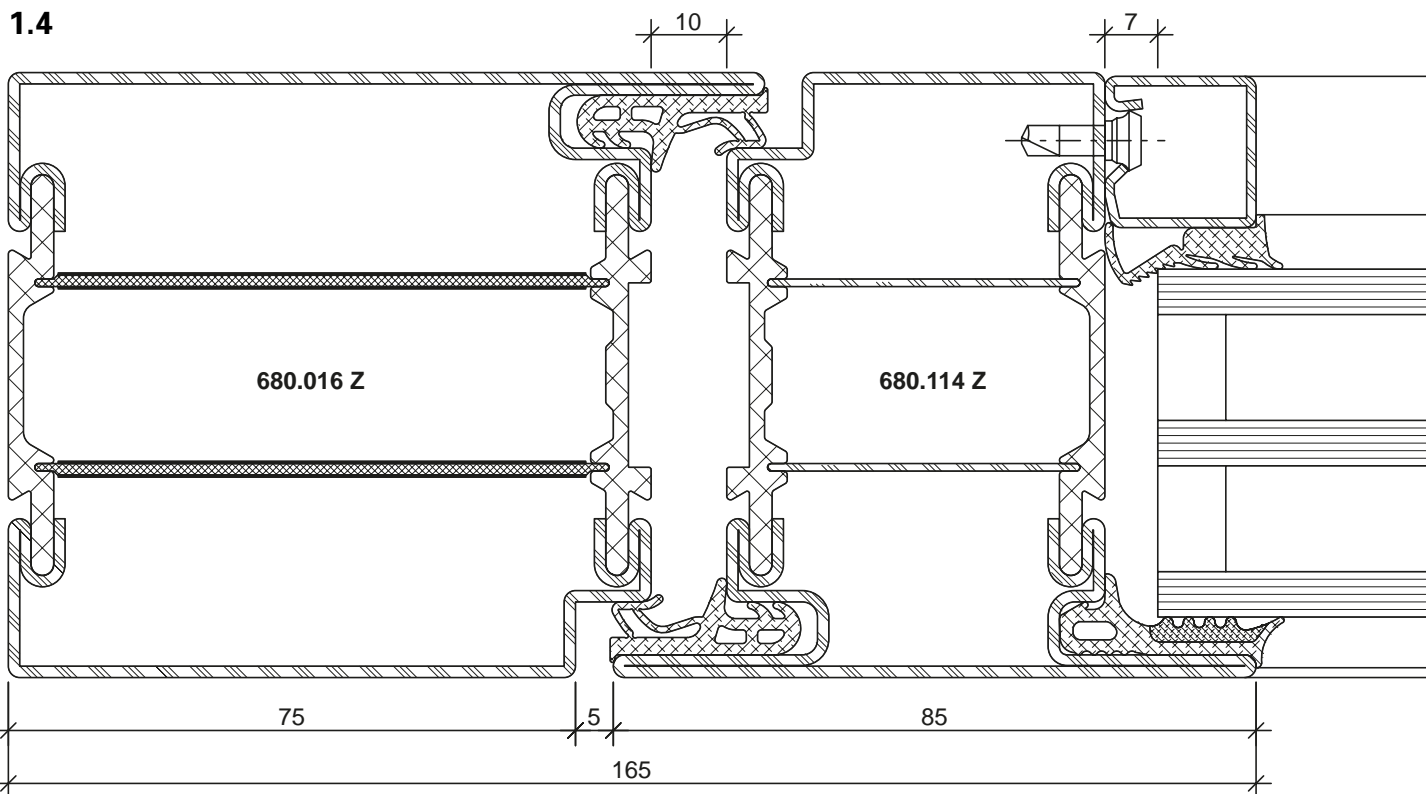
Other profile types and profiles curved in the floor plan are available on request.

Please use our order forms on docucenter.jansen.com

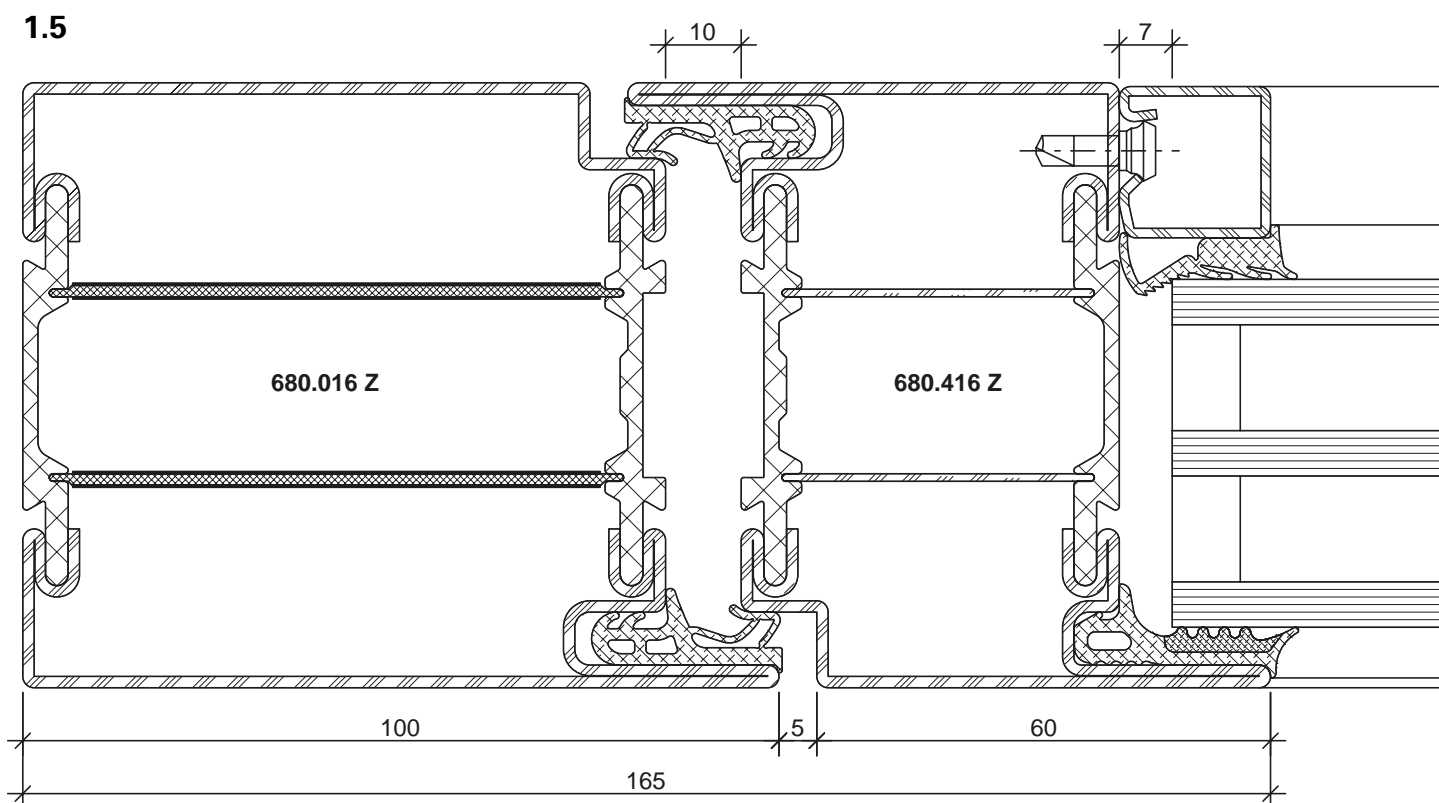






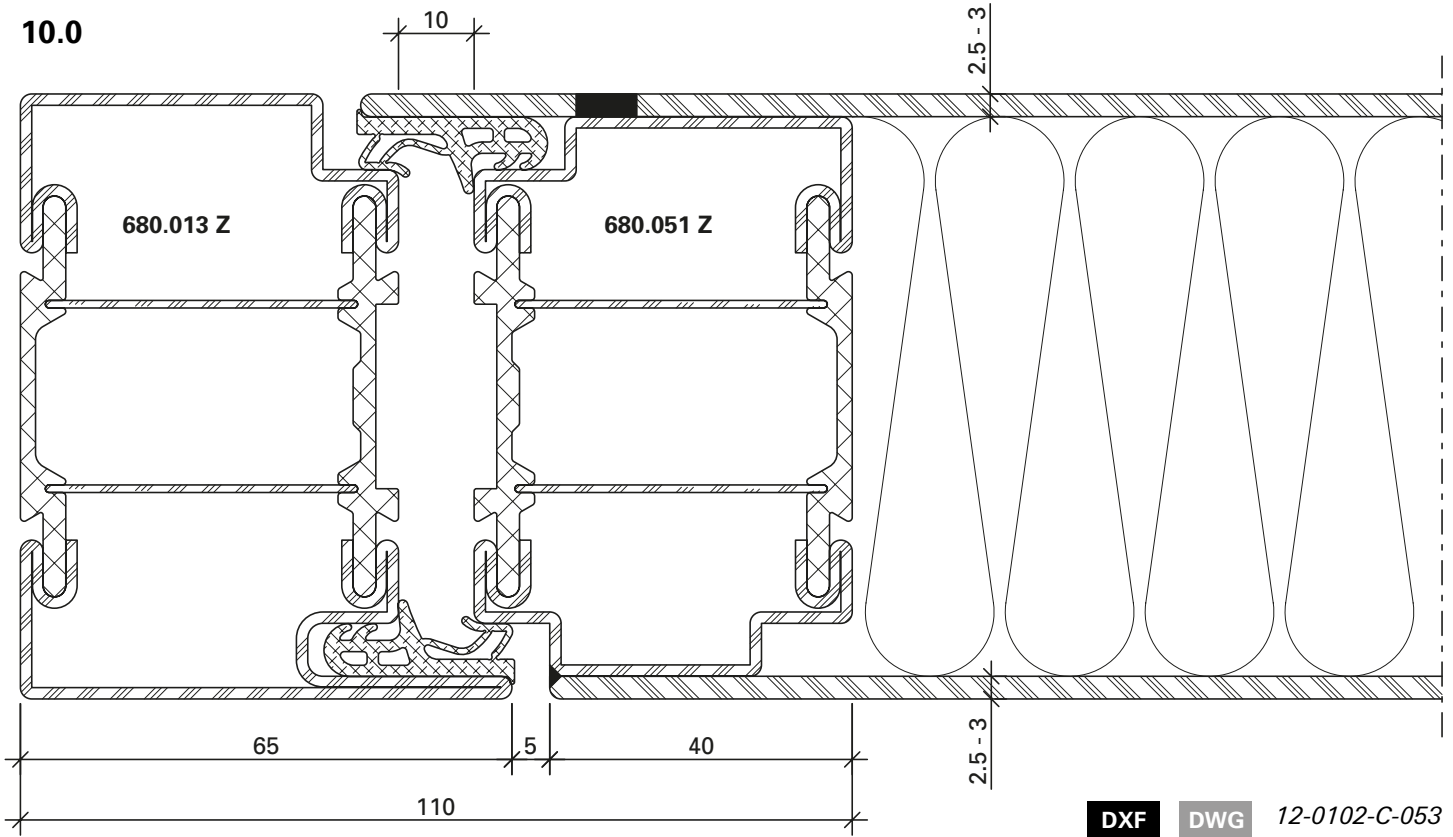


DXF **DWG** 12-0101-C-042



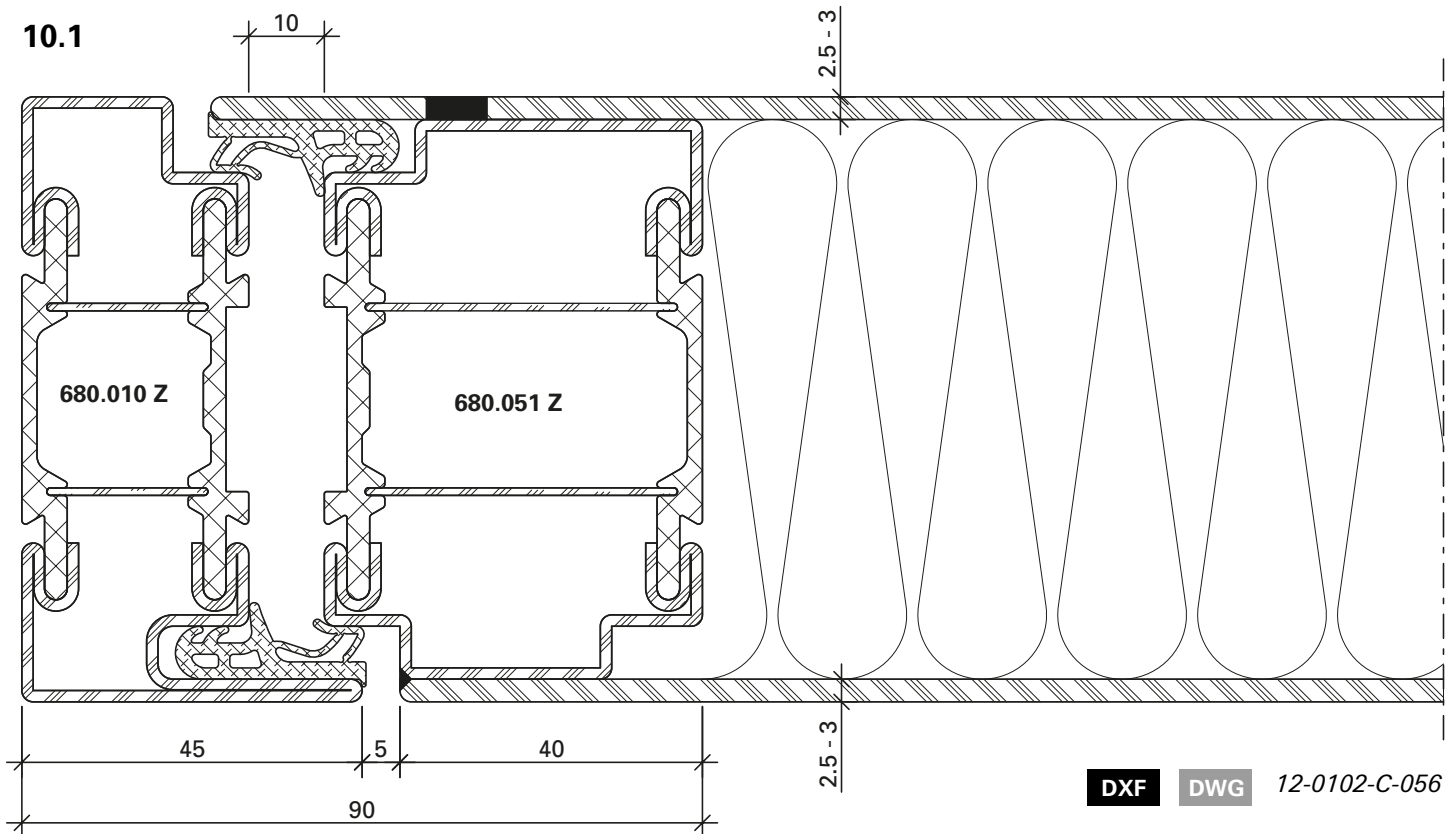
DXF **DWG** 12-0101-C-050

10.0



DXF DWG 12-0102-C-053

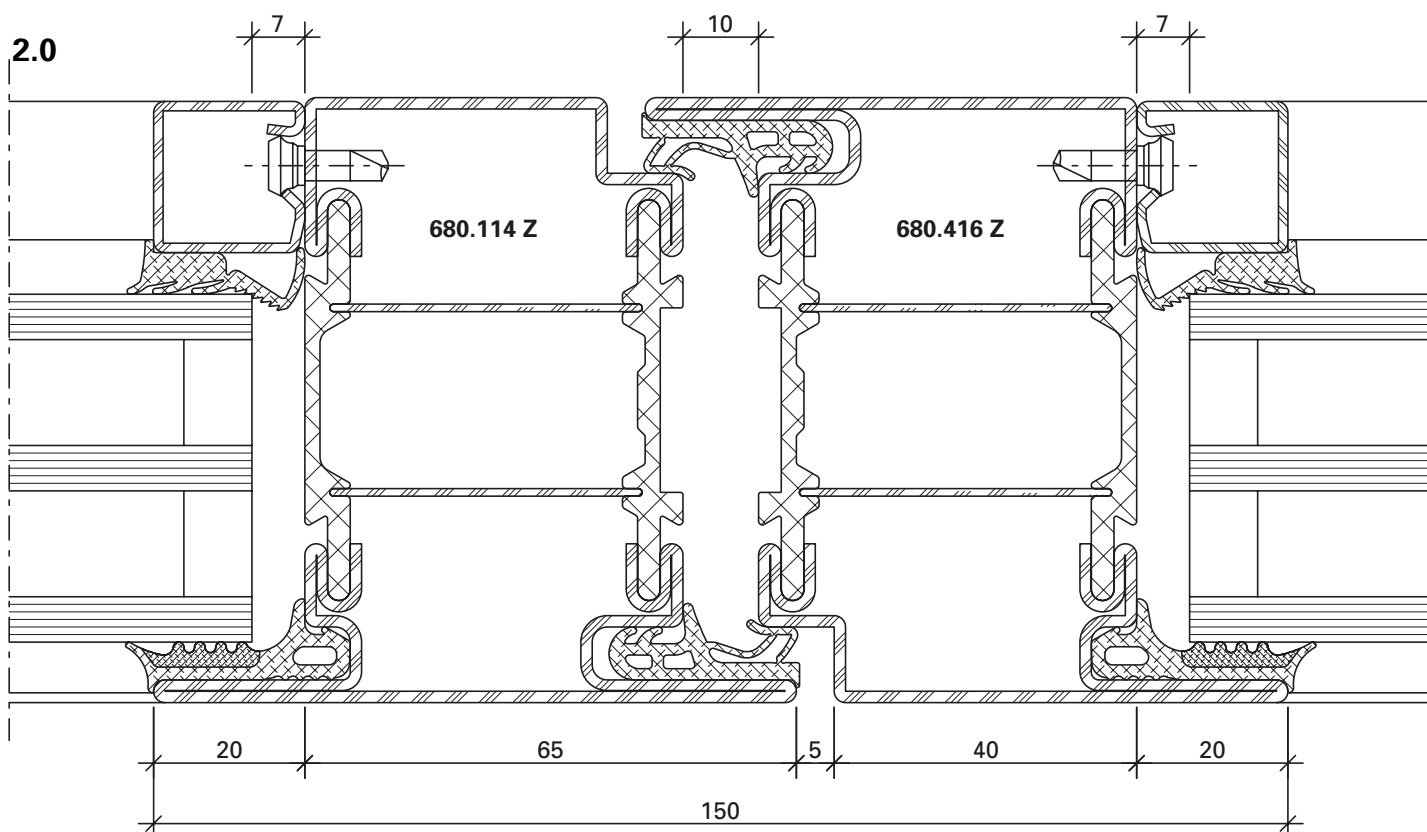
10.1



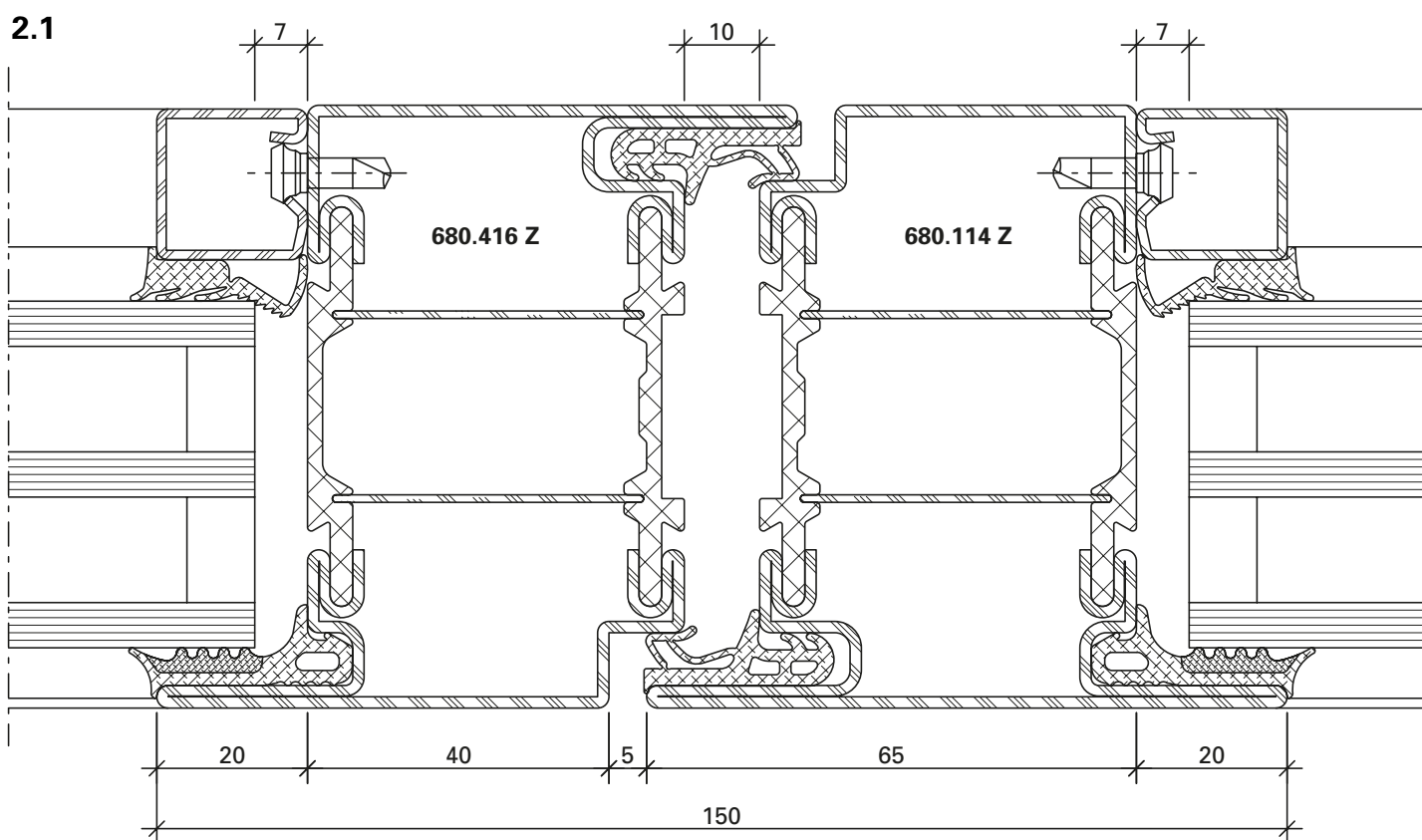
DXF DWG 12-0102-C-056

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors

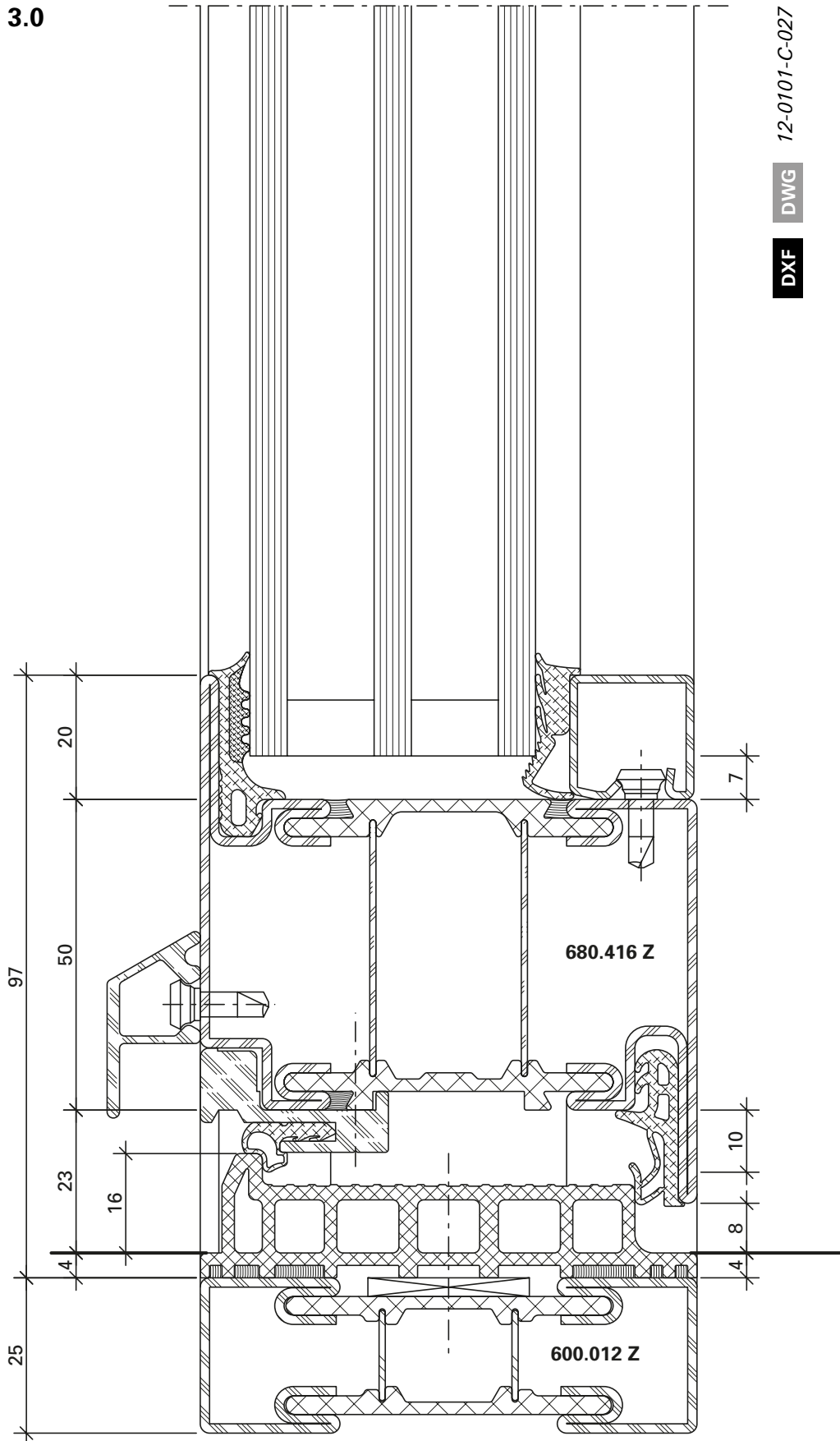


DXF DWG 12-0101-C-024



DXF DWG 12-0101-C-025

3.0

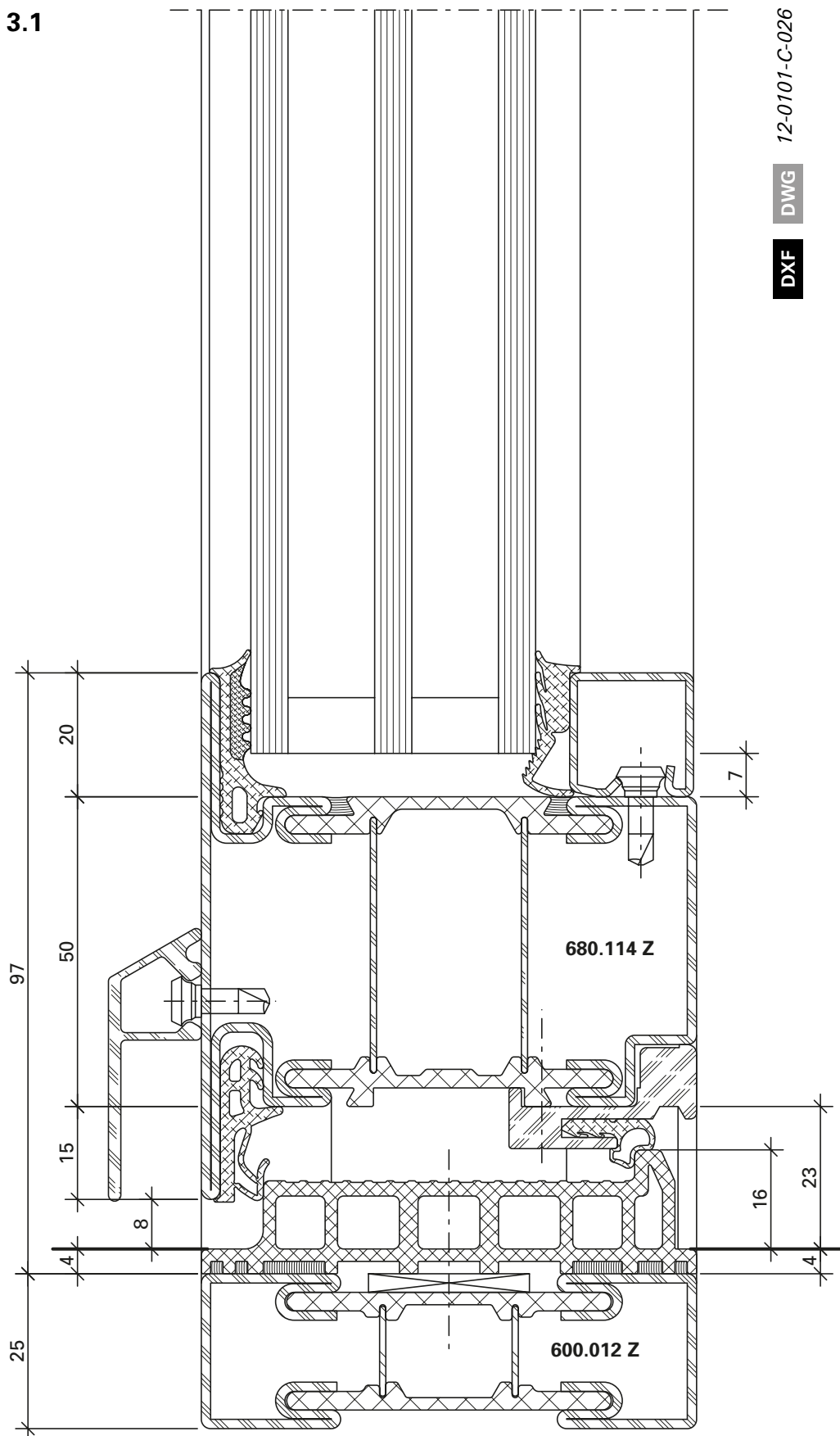


12-0101-C-027

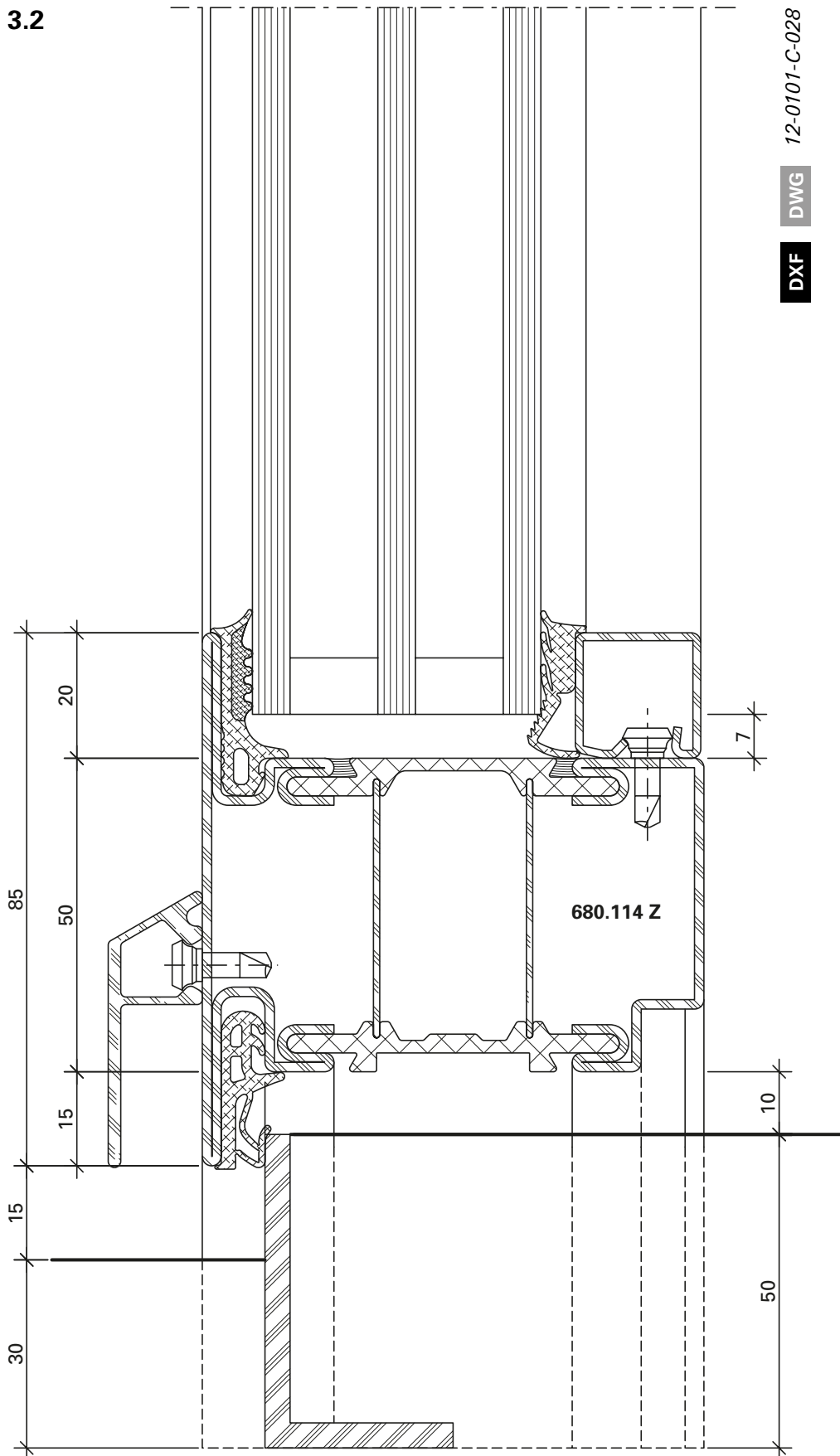
DWG

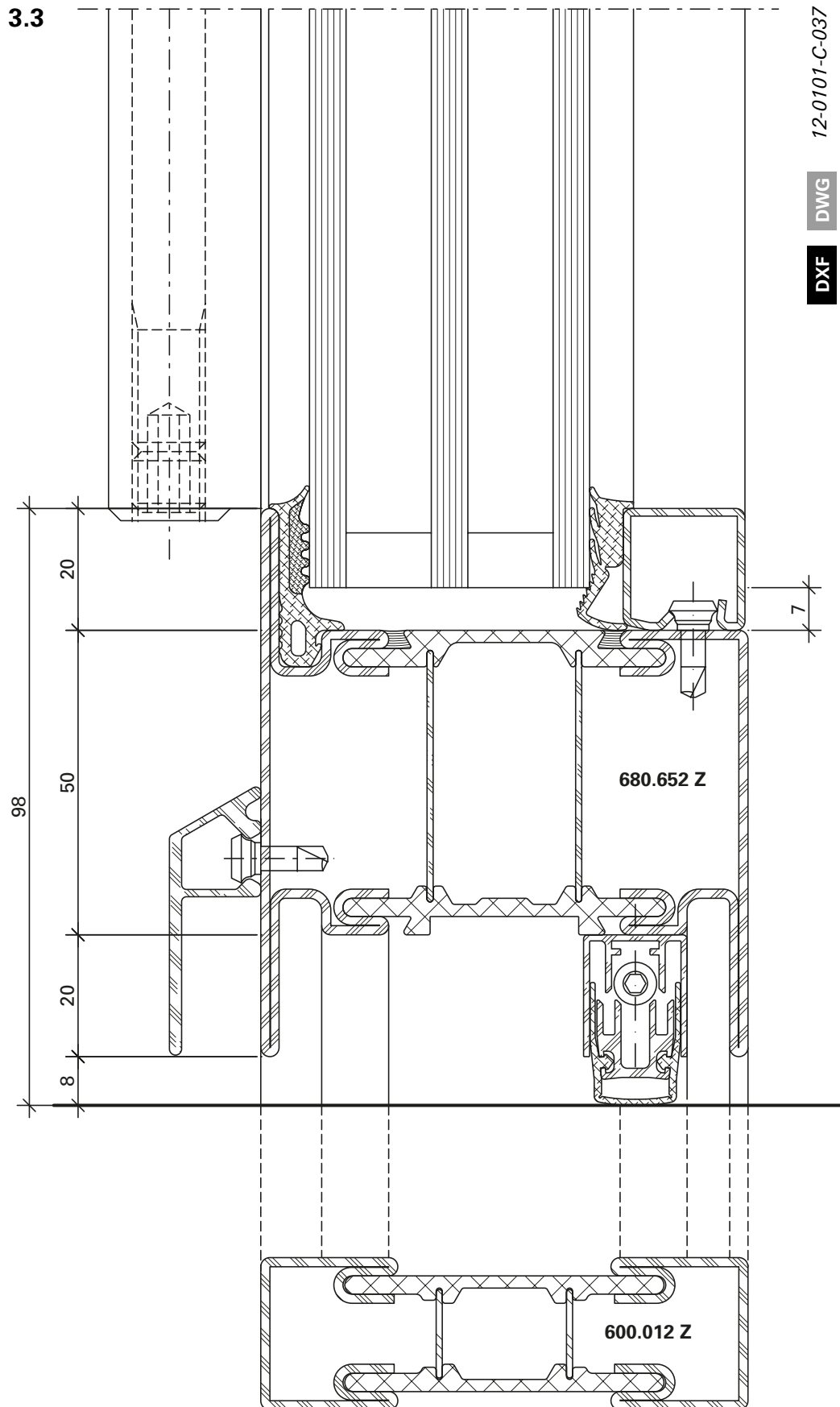
DXF

3.1

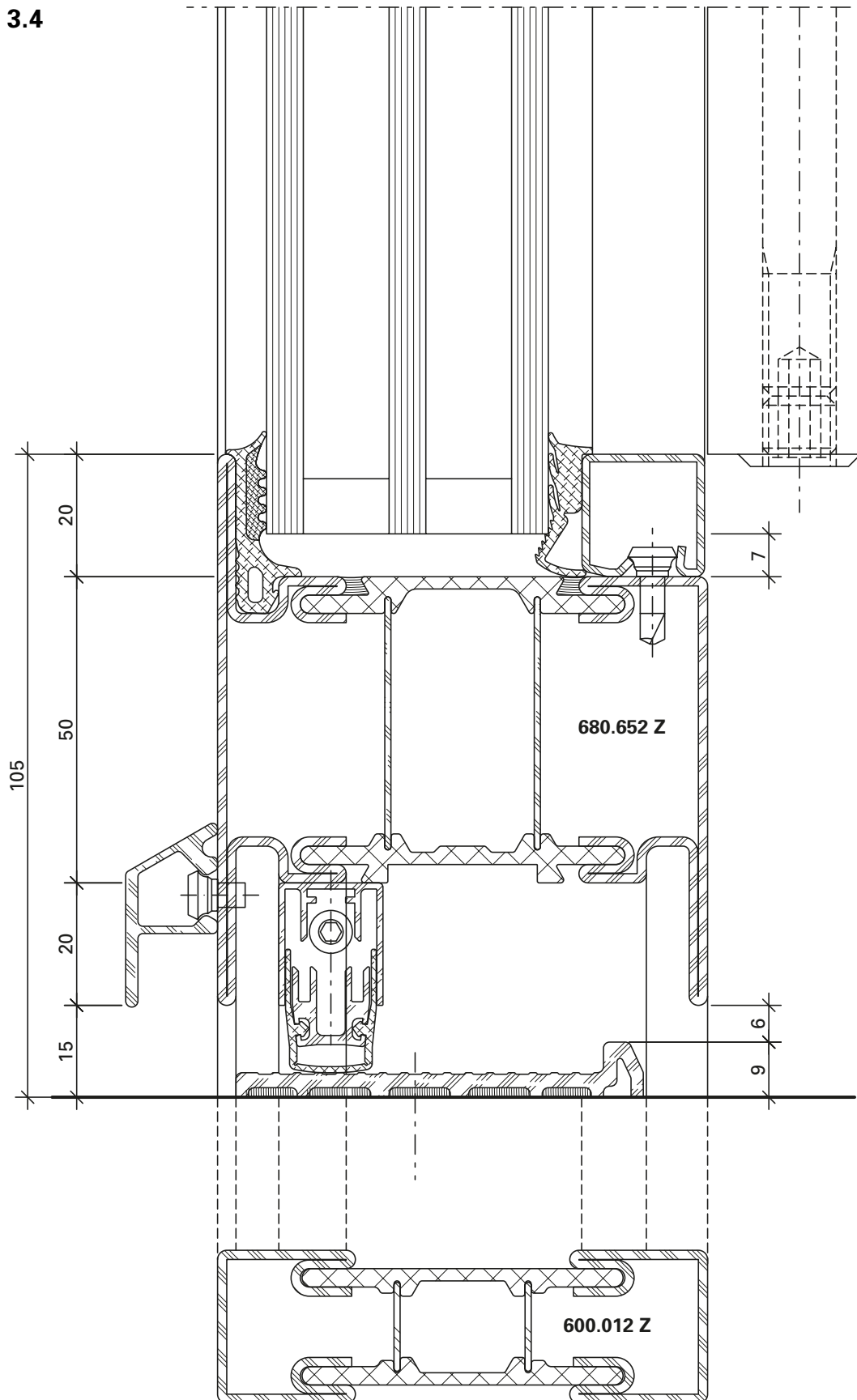


3.2





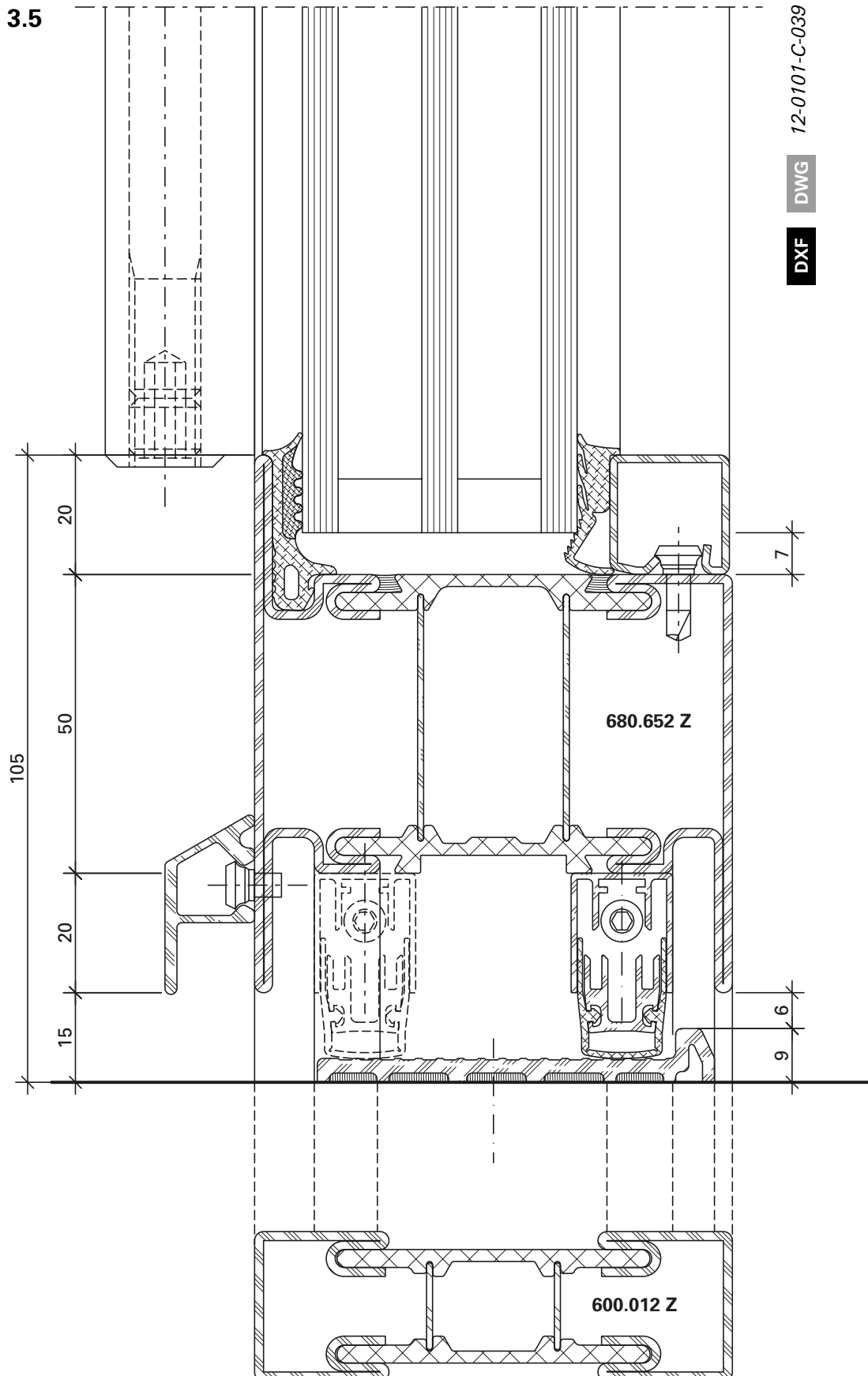
3.4



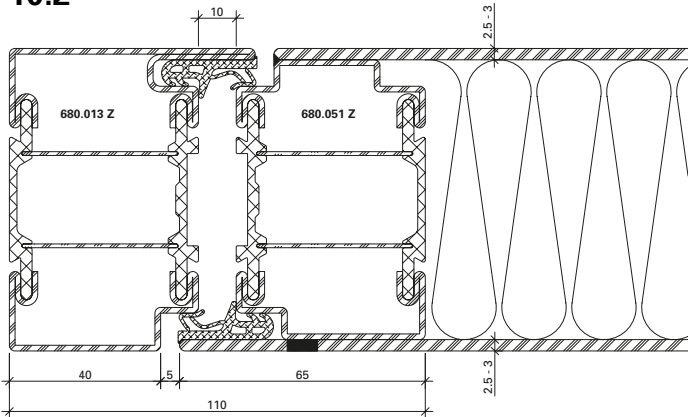
12-0101-C-038

DWG

DXF

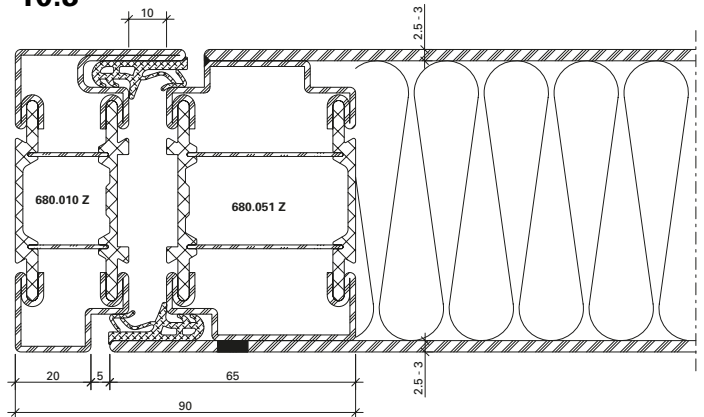


10.2



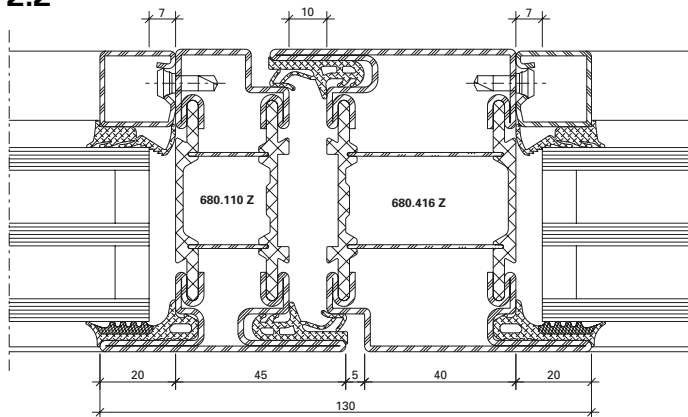
DXF **DWG** 12-0102-C-054

10.3



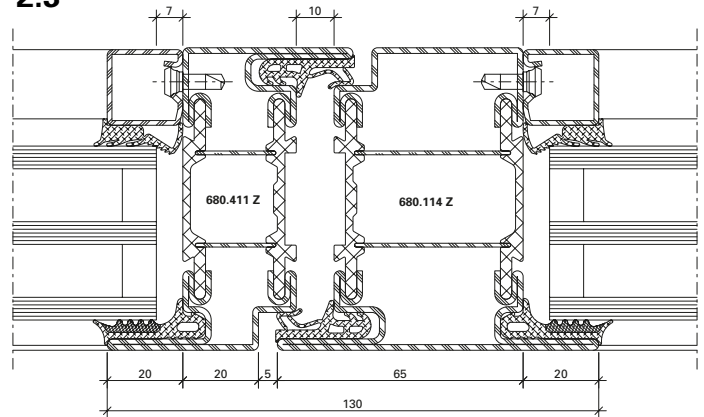
DXF **DWG** 12-0102-C-055

2.2



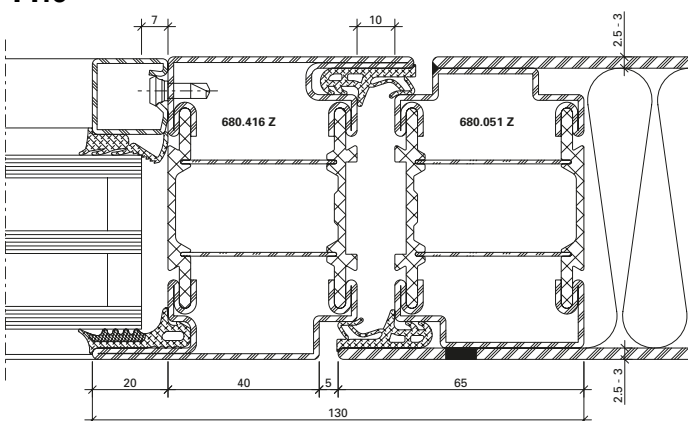
DXF **DWG** 12-0101-C-033

2.3



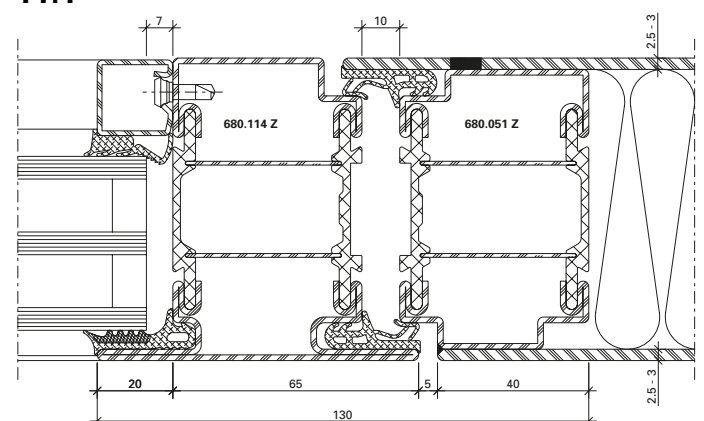
DXF **DWG** 12-0101-C-034

11.0



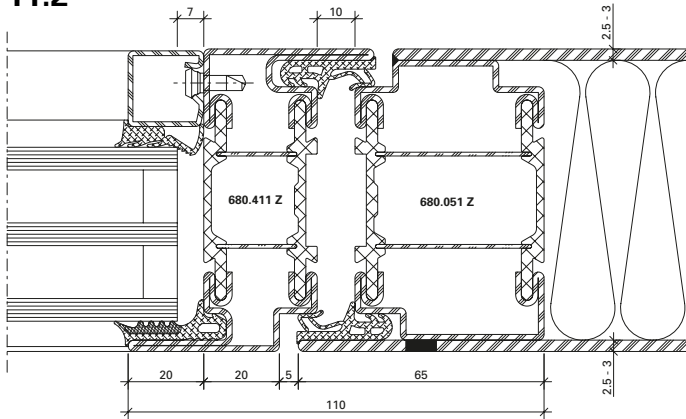
DXF **DWG** 12-0102-C-059

11.1



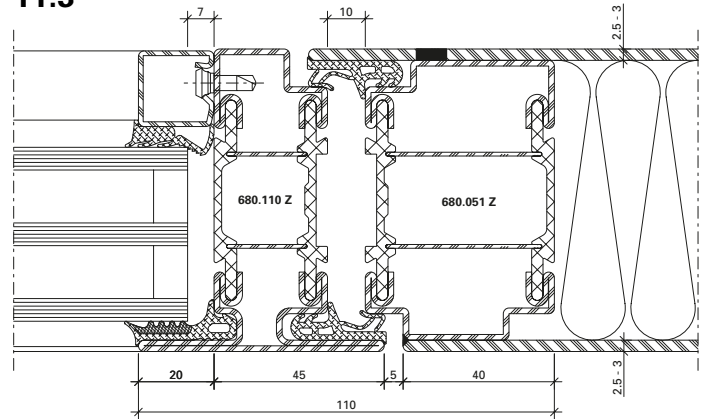
DXF **DWG** 12-0102-C-060

11.2



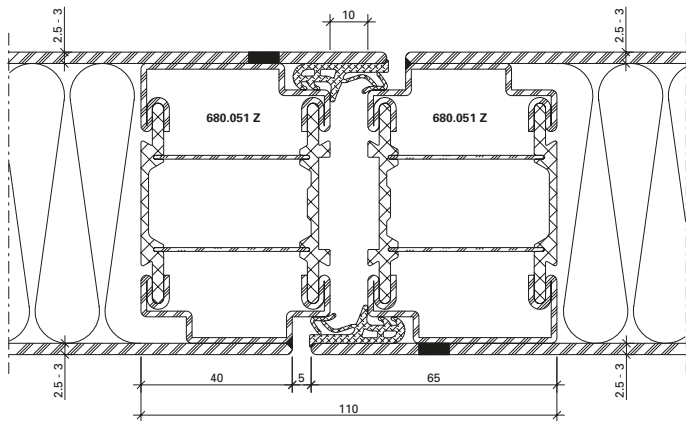
DXF **DWG** 12-0102-C-061

11.3



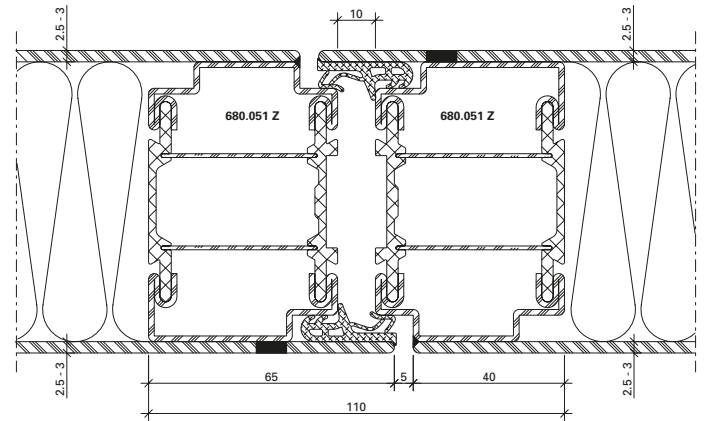
DXF **DWG** 12-0102-C-062

12.0



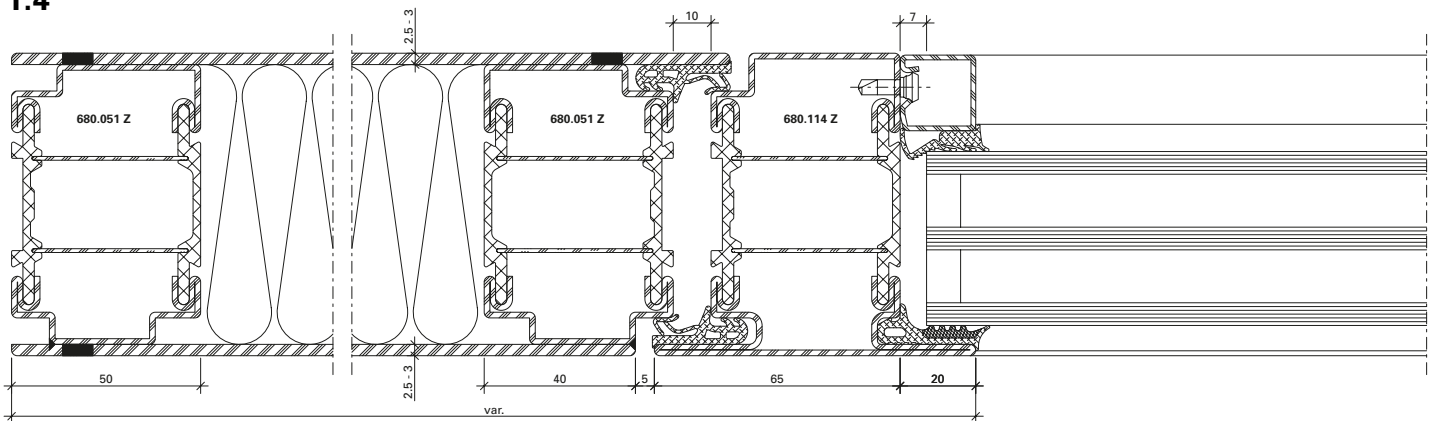
DXF **DWG** 12-0102-C-057

12.1



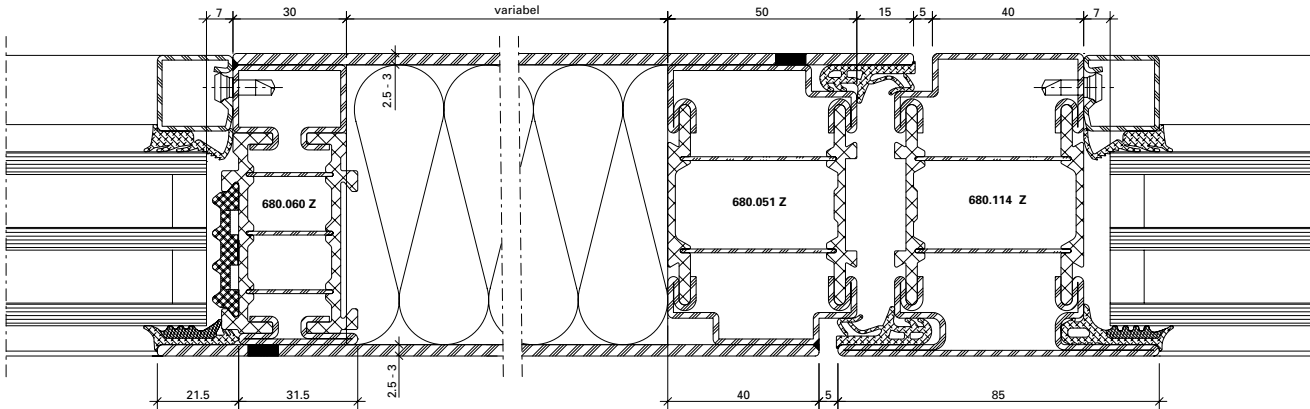
DXF **DWG** 12-0102-C-058

1.4



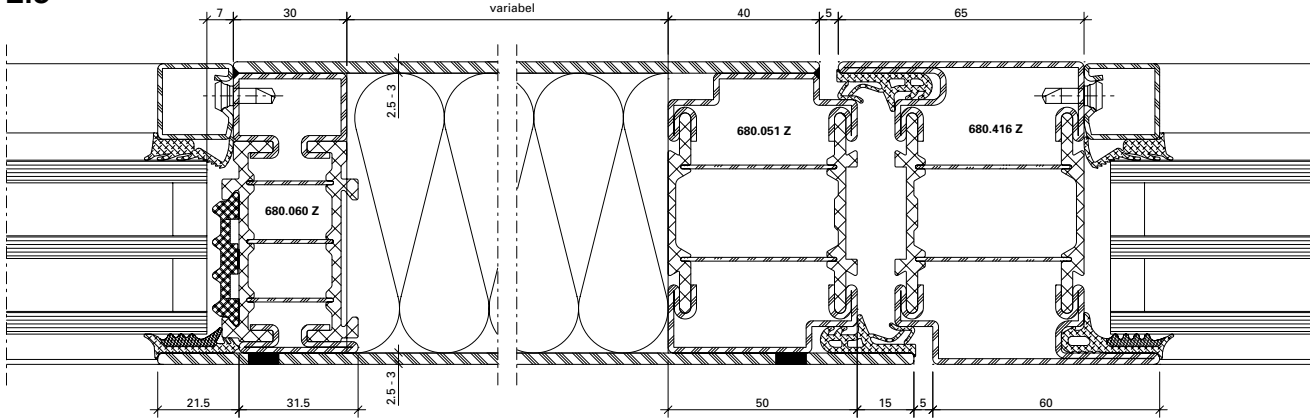
DXF **DWG** 12-0101-C-029

2.4



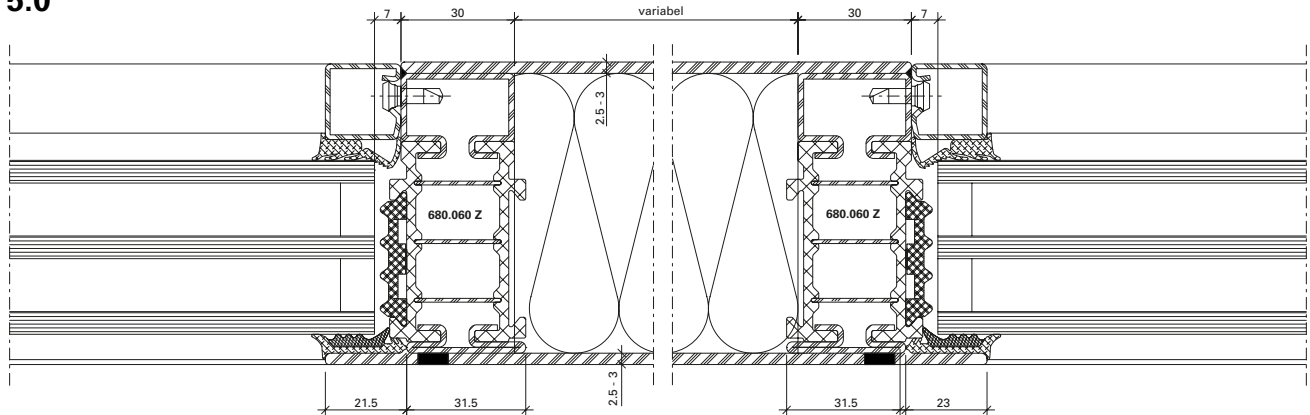
DXF DWG 12-0102-C-063

2.5



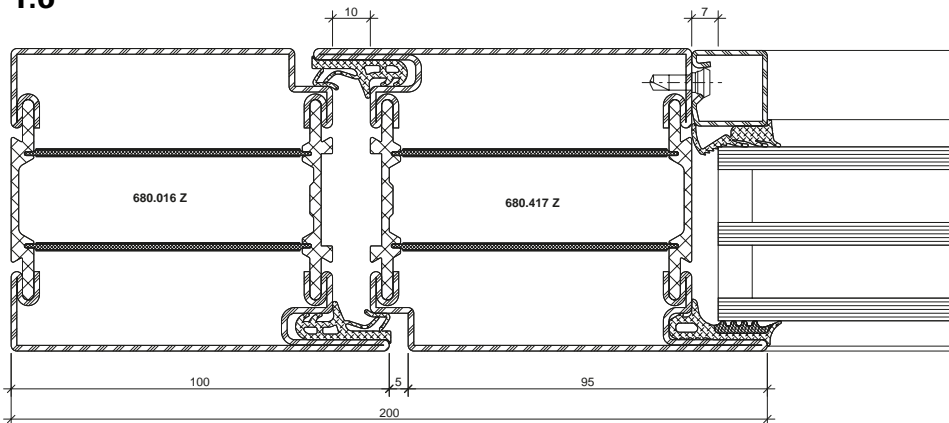
DXF DWG 12-0102-C-064

5.0



DXF DWG 12-0102-C-065

1.6

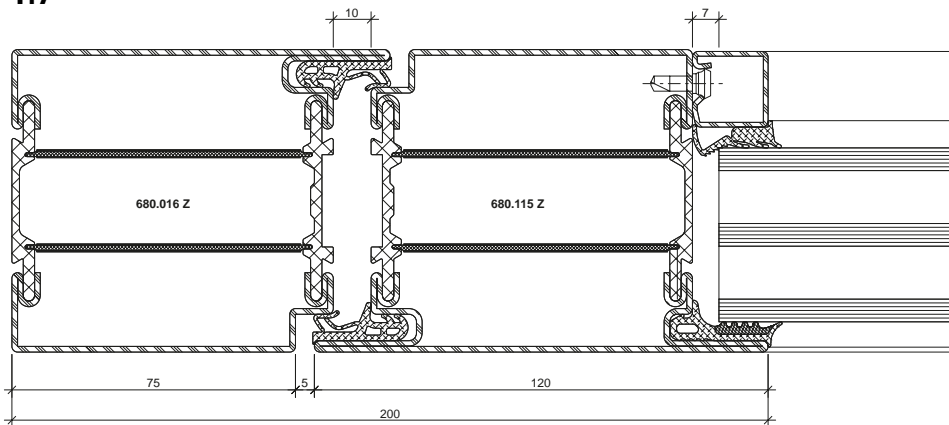


DXF

DWG

12-0101-C-043

1.7

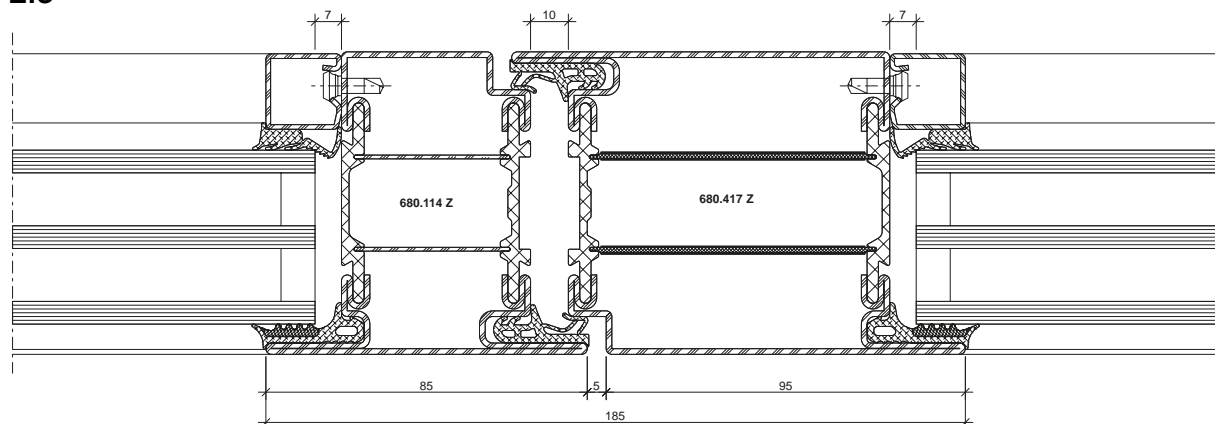


DXF

DWG

12-0101-C-044

2.6

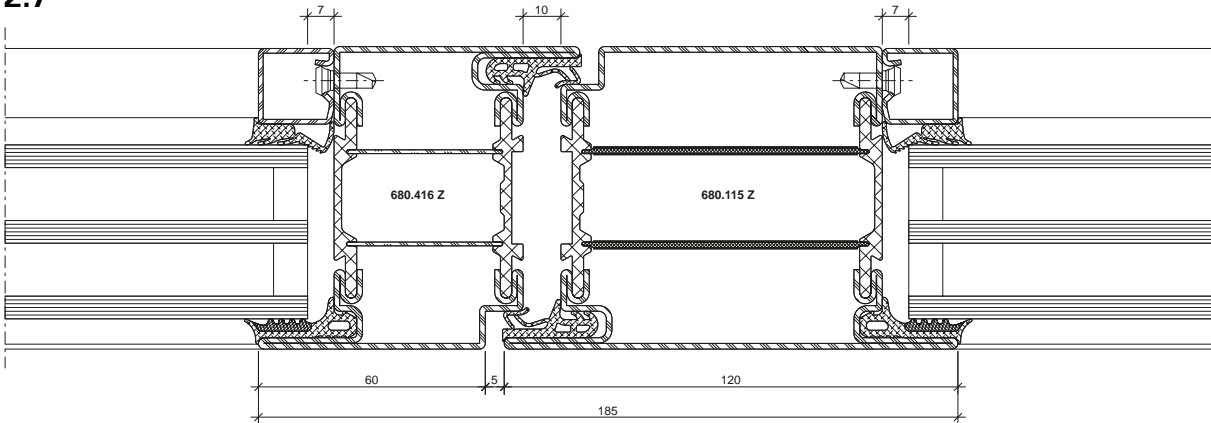


DXF

DWG

12-0101-C-045

2.7

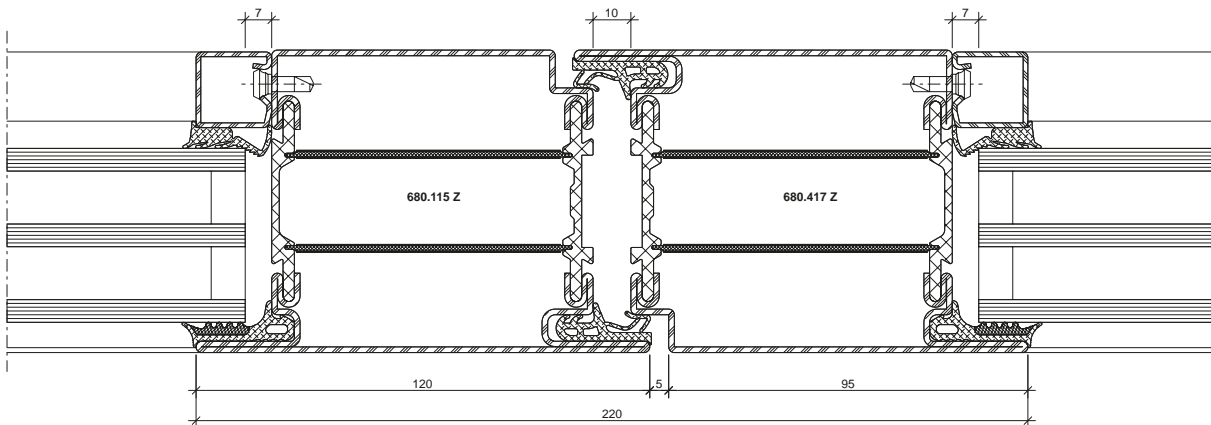


DXF

DWG

12-0101-C-046

2.8

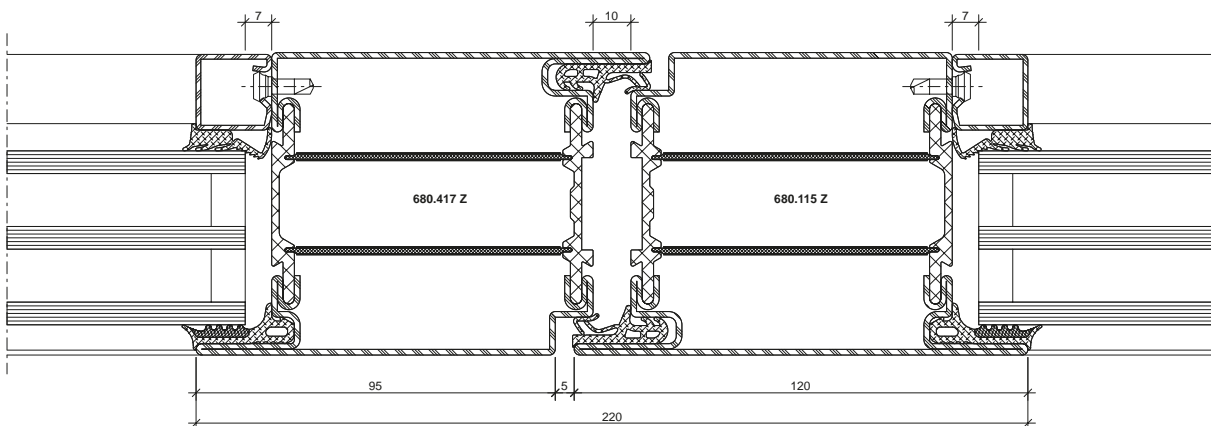


DXF

DWG

12-0101-C-047

2.9

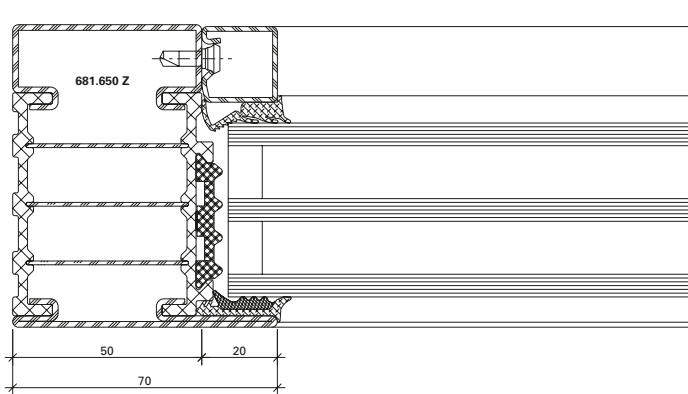


DXF

DWG

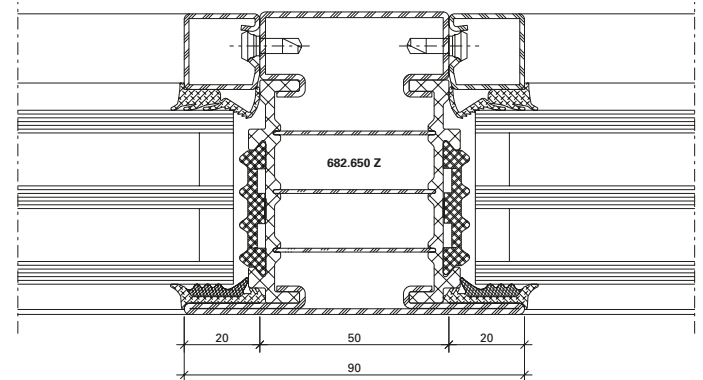
12-0101-C-048

4.0



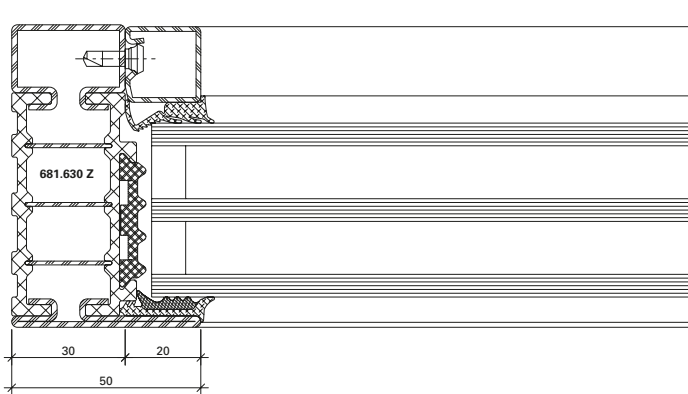
DXF **DWG** 12-0201-C-012

5.1



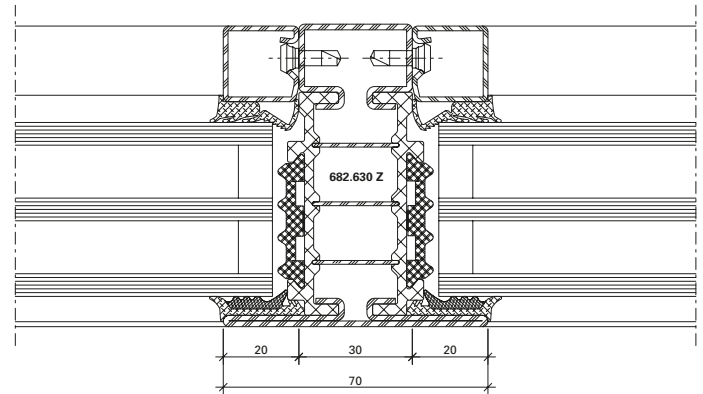
DXF **DWG** 12-0201-C-014

4.1



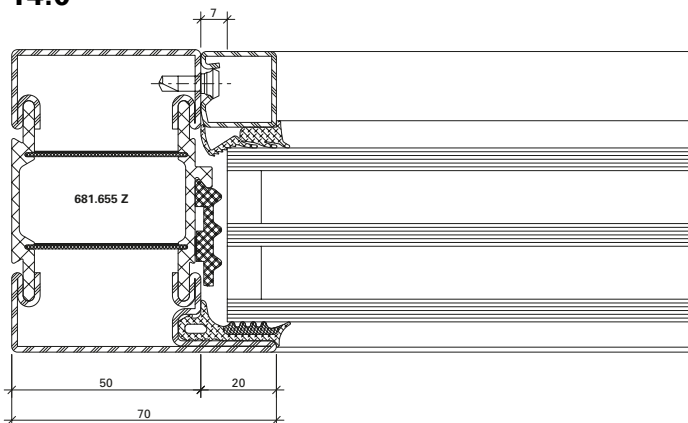
DXF **DWG** 12-0201-C-013

5.2



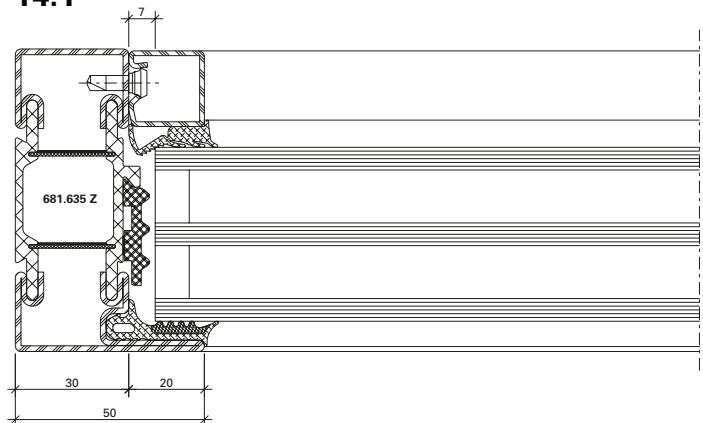
DXF **DWG** 12-0201-C-015

14.0

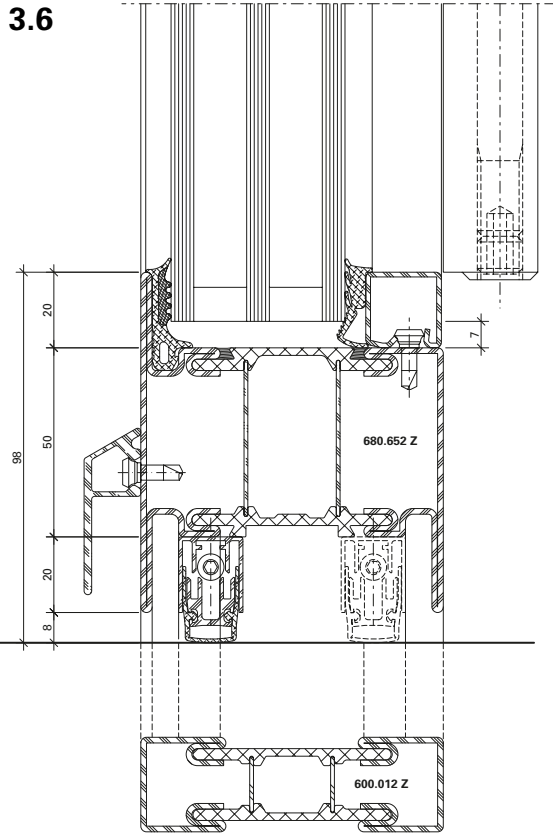


DXF **DWG** 12-0204-C-003

14.1



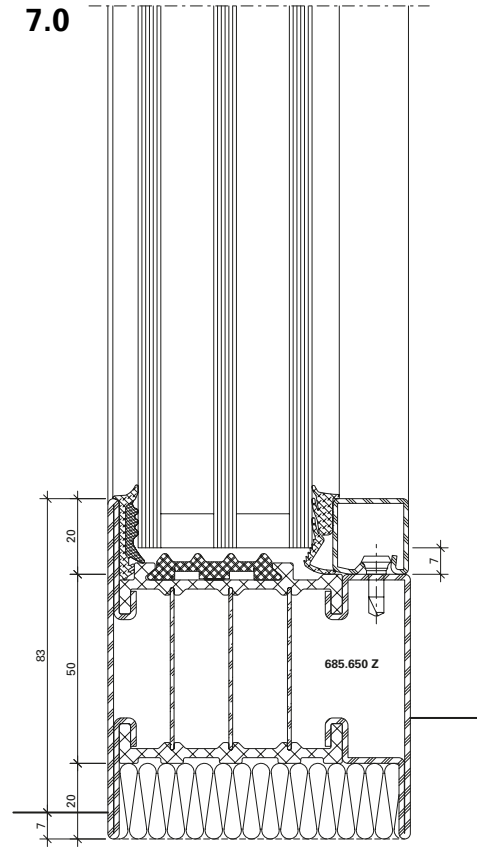
DXF **DWG** 12-0204-C-004



12-0101-C-040

DWG

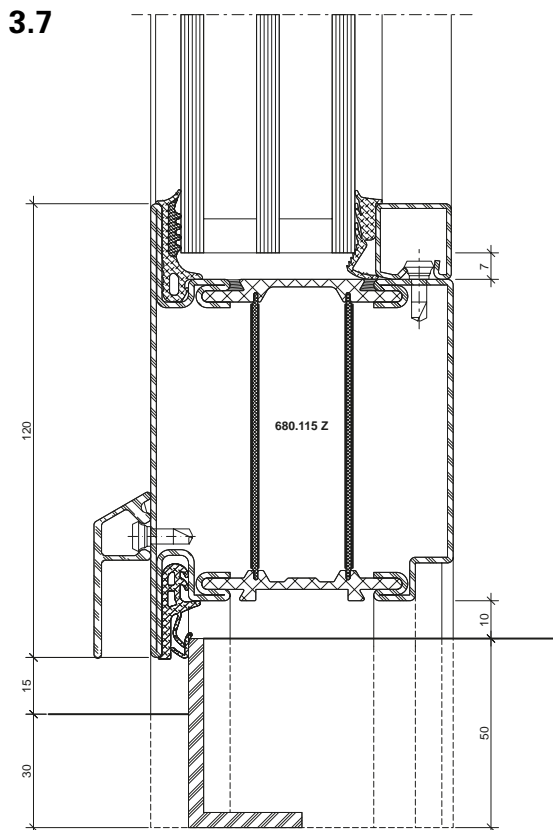
DXF



12-0101-C-012

DWG

DXF

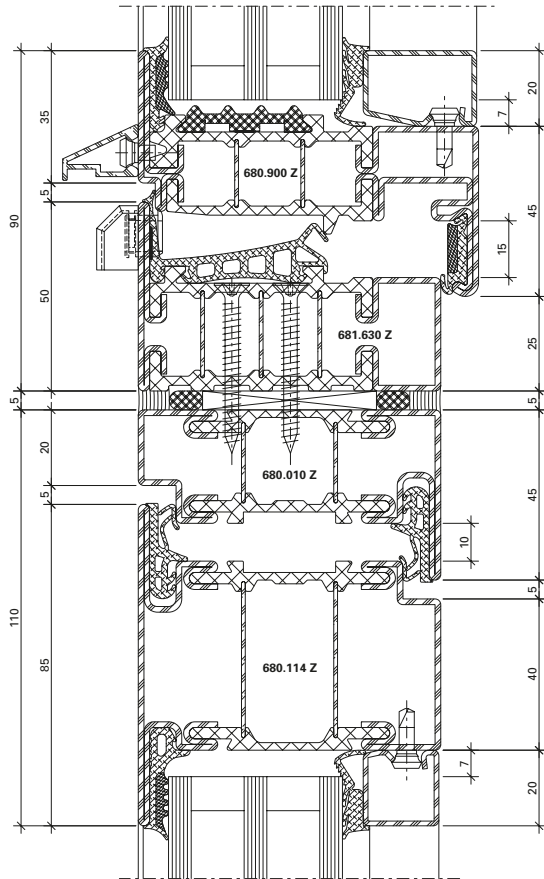


12-0101-C-049

DWG

DXF

8.0

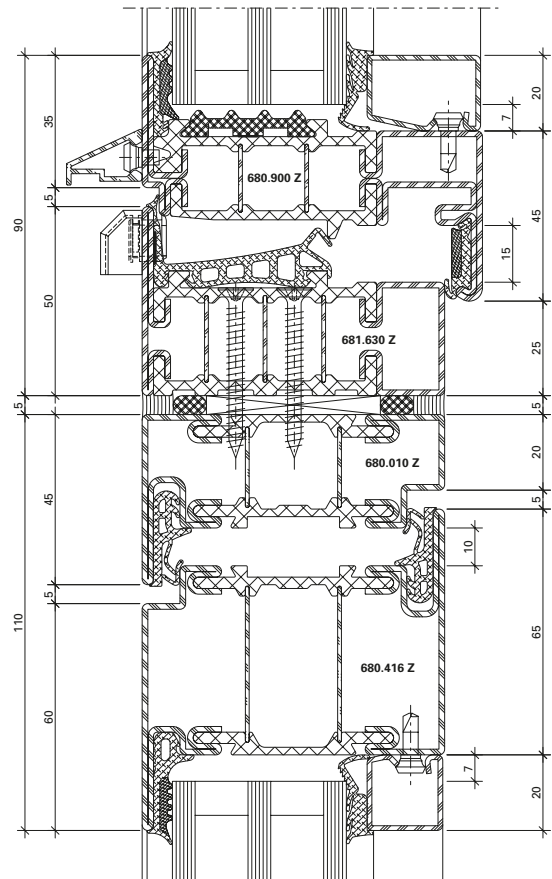


DWG 12-0101-C-035

DWG

DXF

8.1

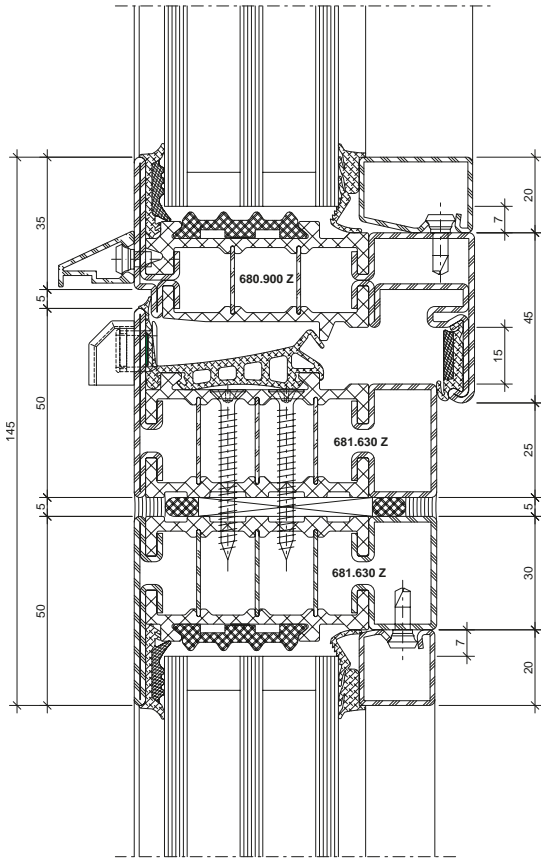


DWG 12-0101-C-036

DWG

DXF

9.0

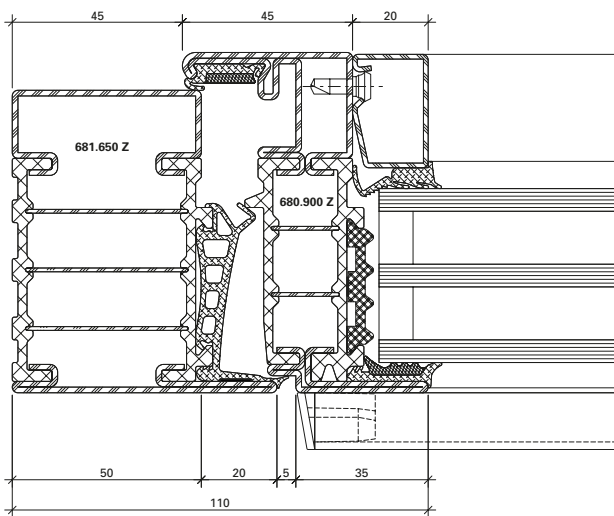


12-0101-C-041

DWG

DXF

6.0

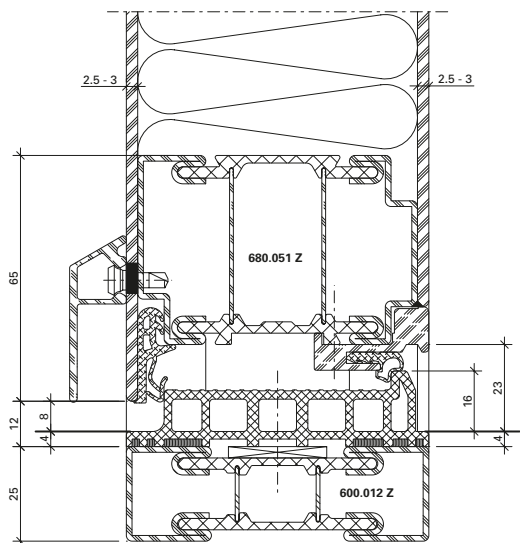


DXF

DWG

12-0201-C-001

13.0

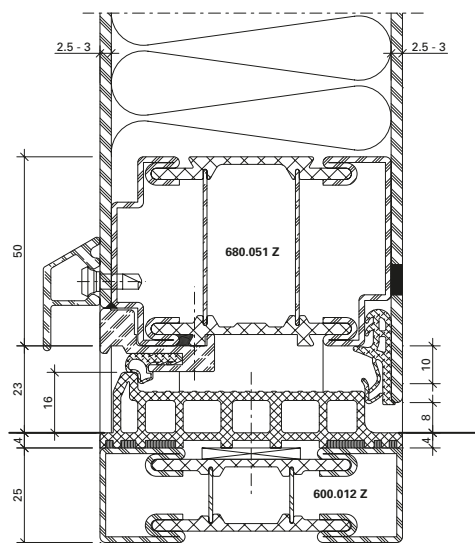


12-0102-C-067

DWG

DXF

13.1

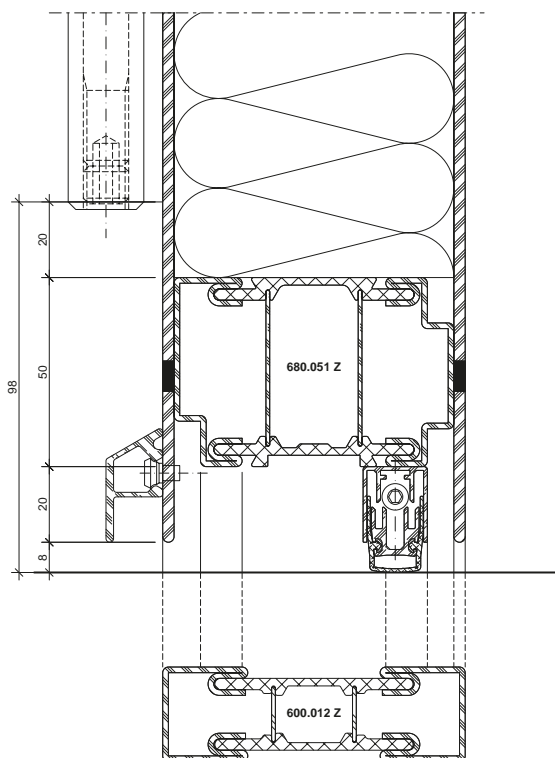


12-0102-C-066

DWG

DXF

13.2



12-0102-C-023

DWG

DXF

Glasleisten-Varianten im Massstab 1:2

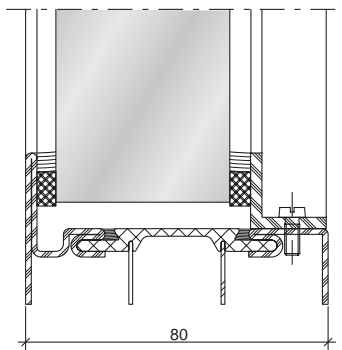
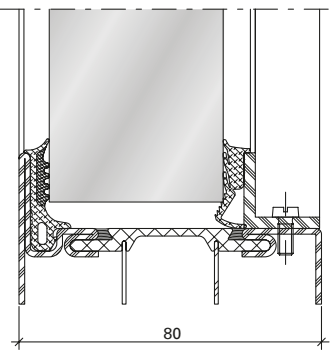
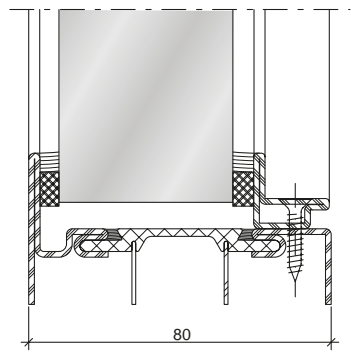
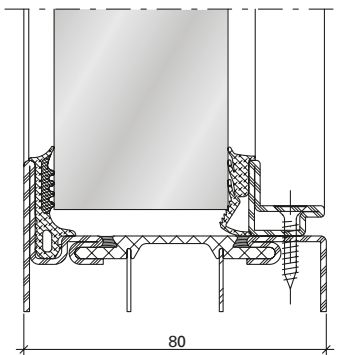
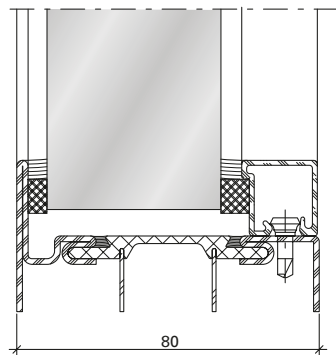
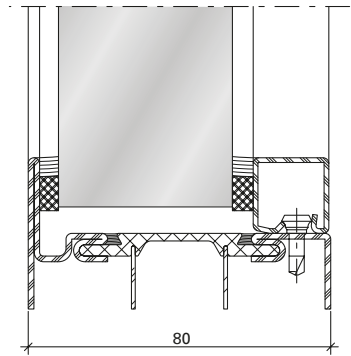
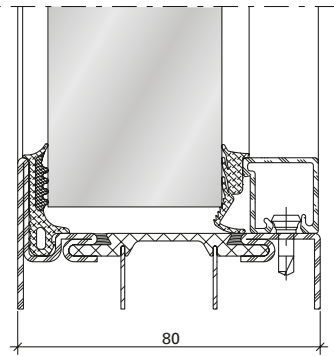
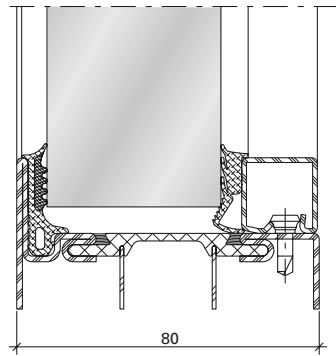
Variantes de parcloses à l'échelle 1:2

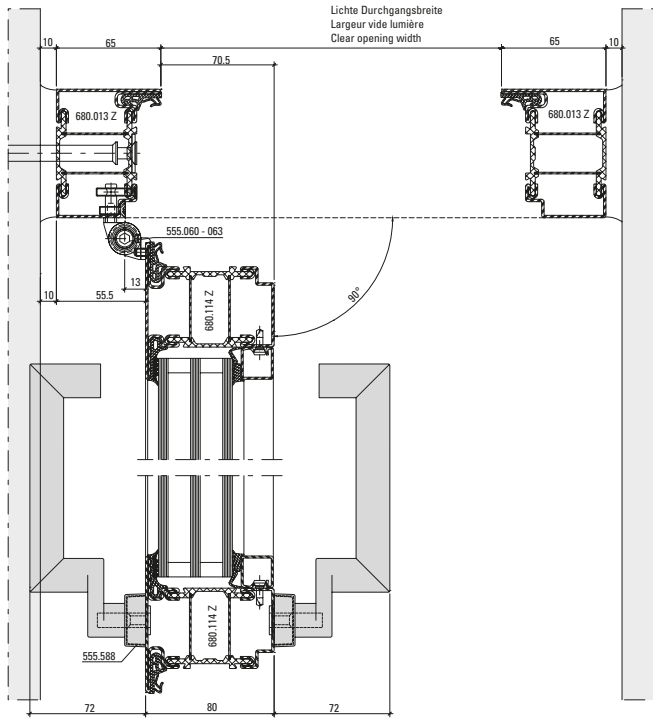
Glazing bead options on scale 1:2

Janisol HI Türen

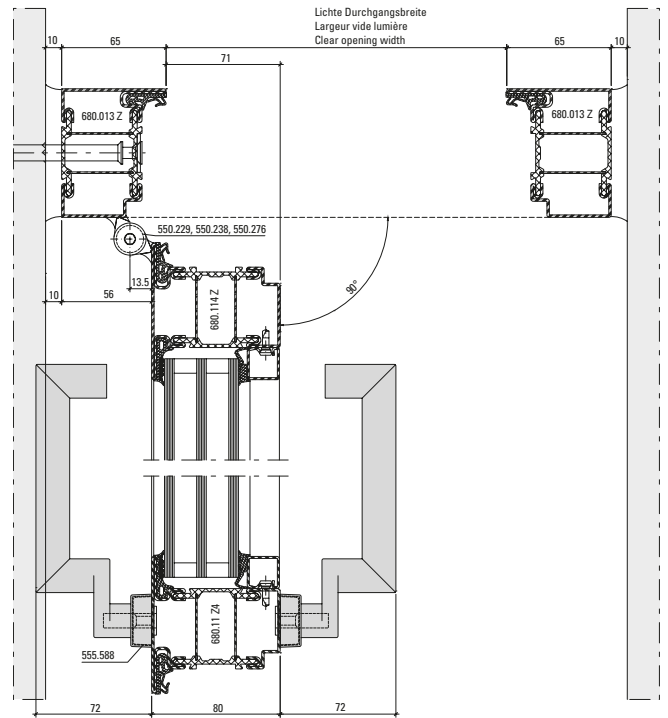
Janisol HI portes

Janisol HI doors

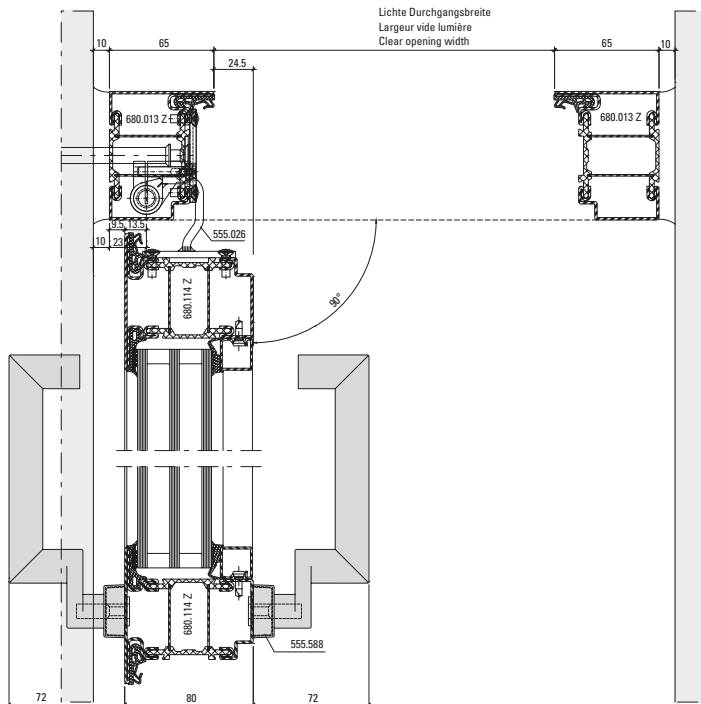




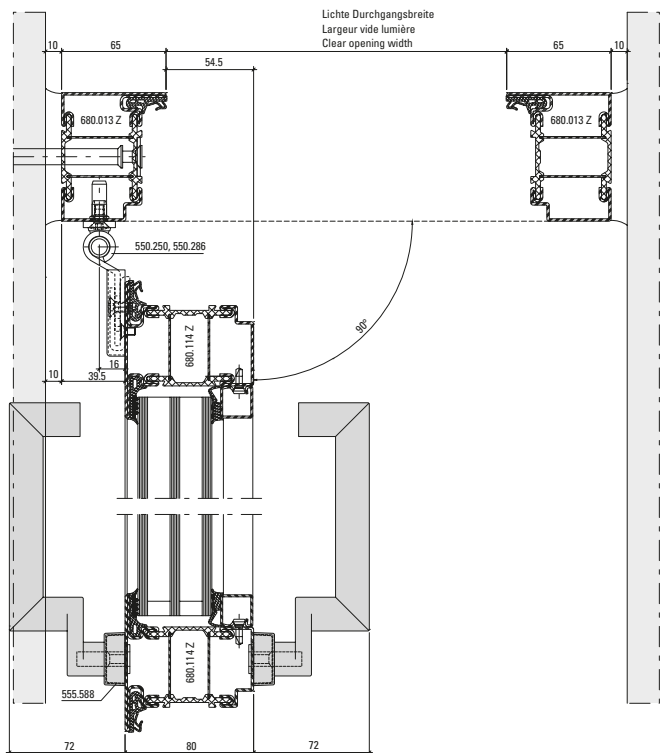
DXF **DWG** 12-0101-E-043



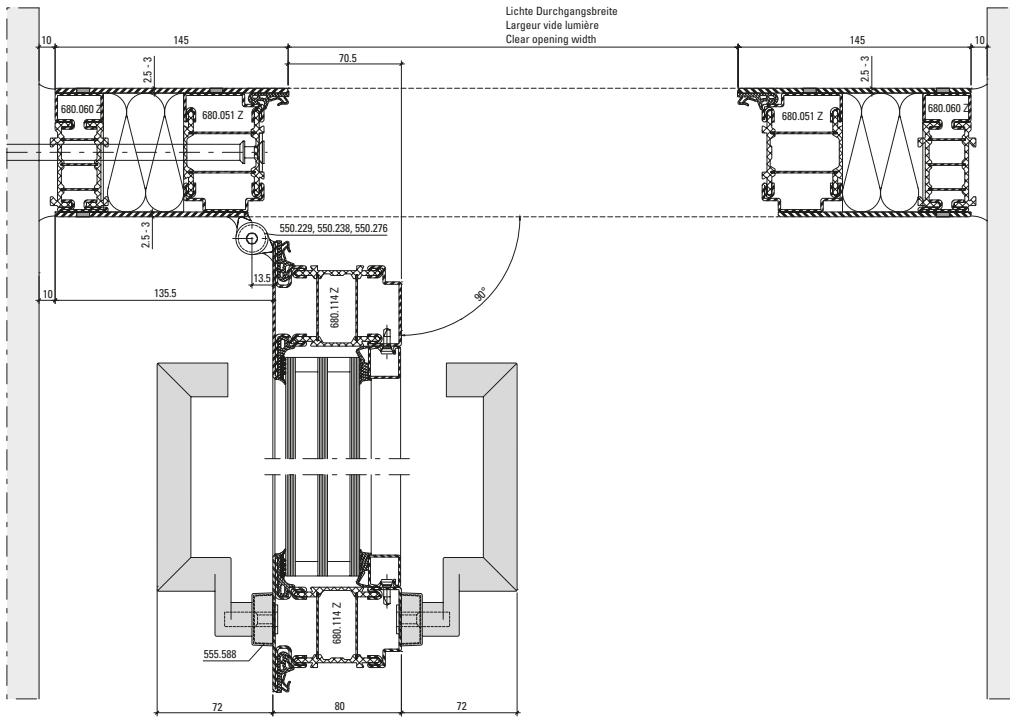
DXF **DWG** 12-0101-E-044



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



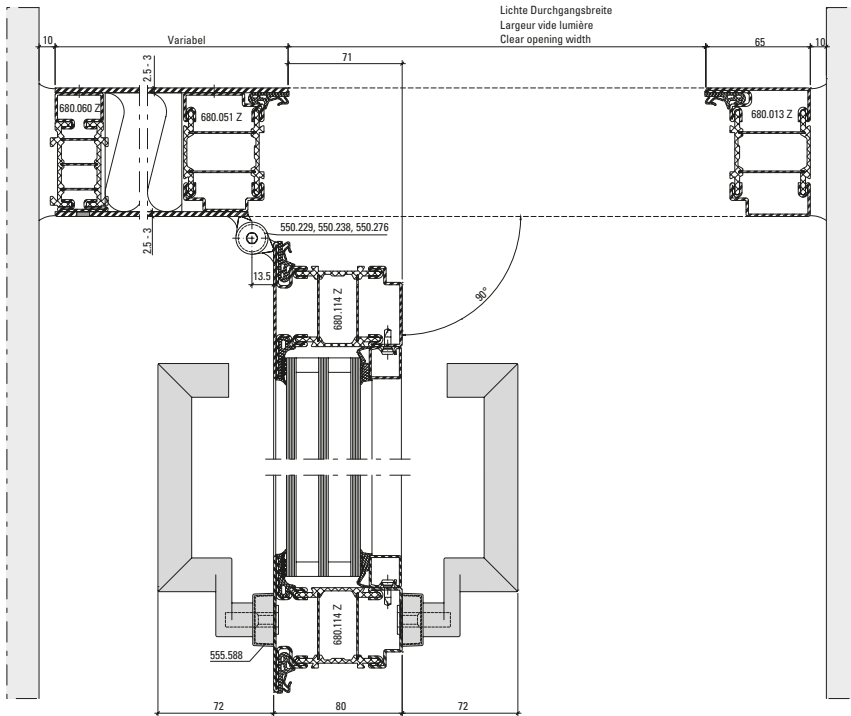
DXF **DWG** 12-0101-E-046



DXF

DWG

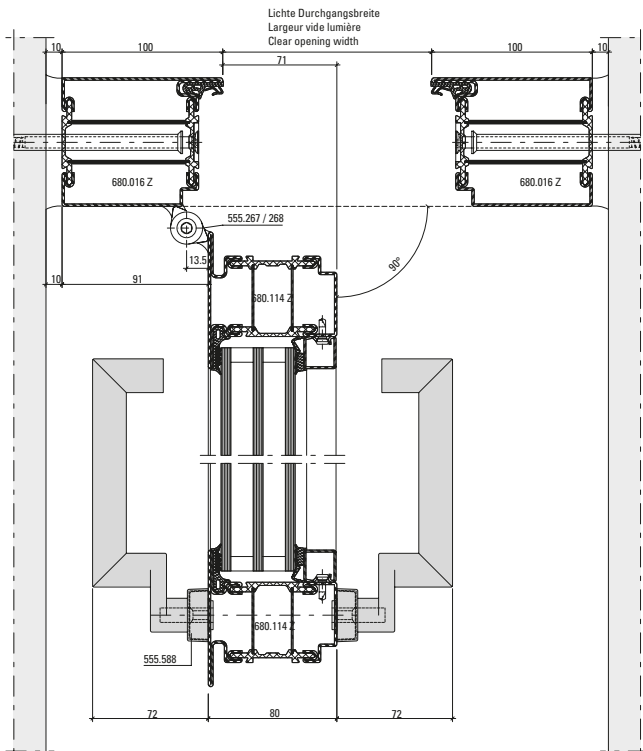
12-0101-E-047



DXF

DWG

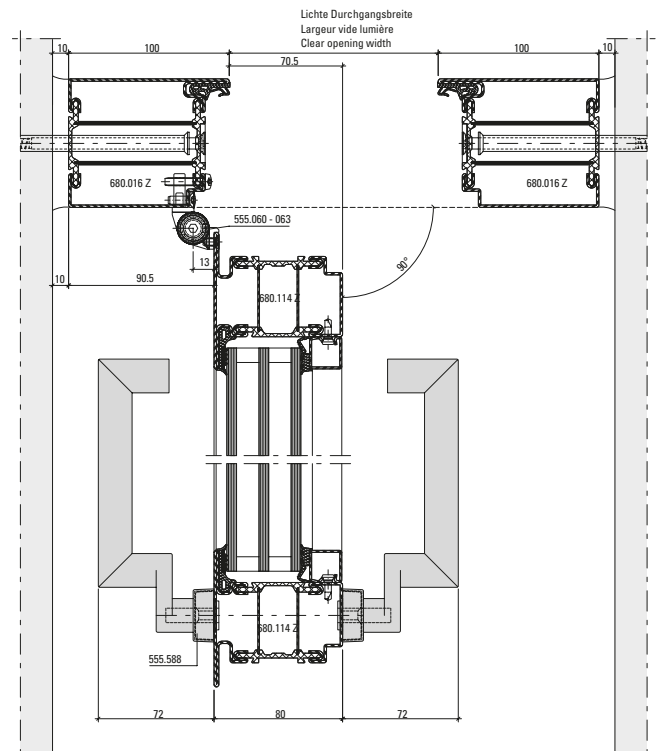
12-0101-E-048



DXF

DWG

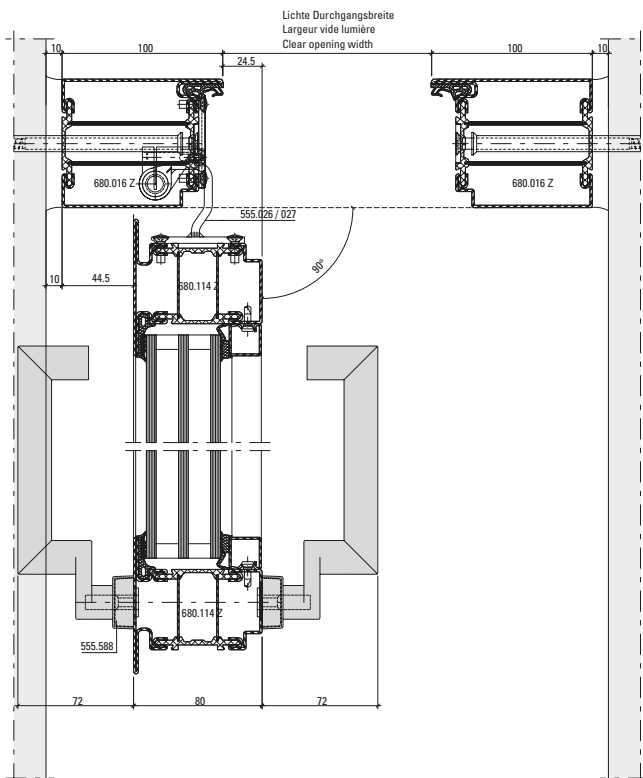
12-0101-E-063



DXF

DWG

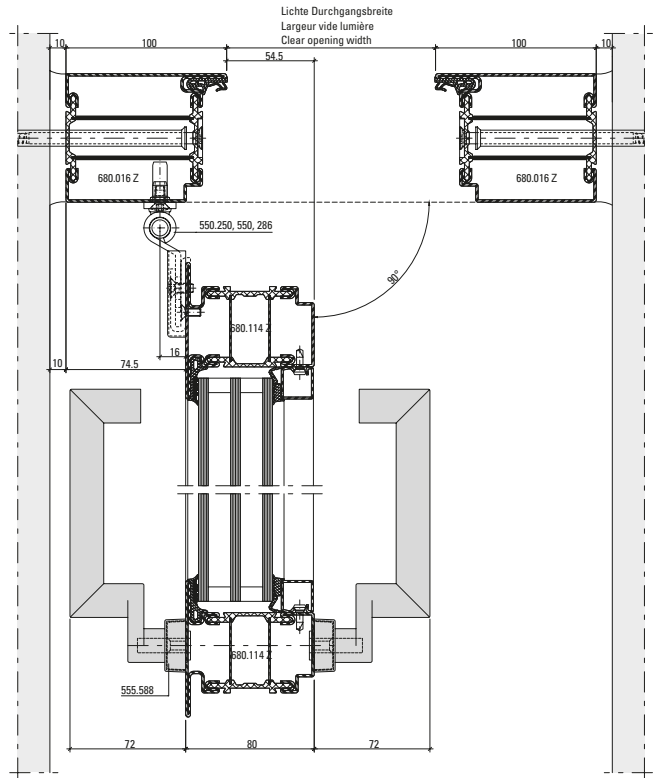
12-0101-E-064



DXF

DWG

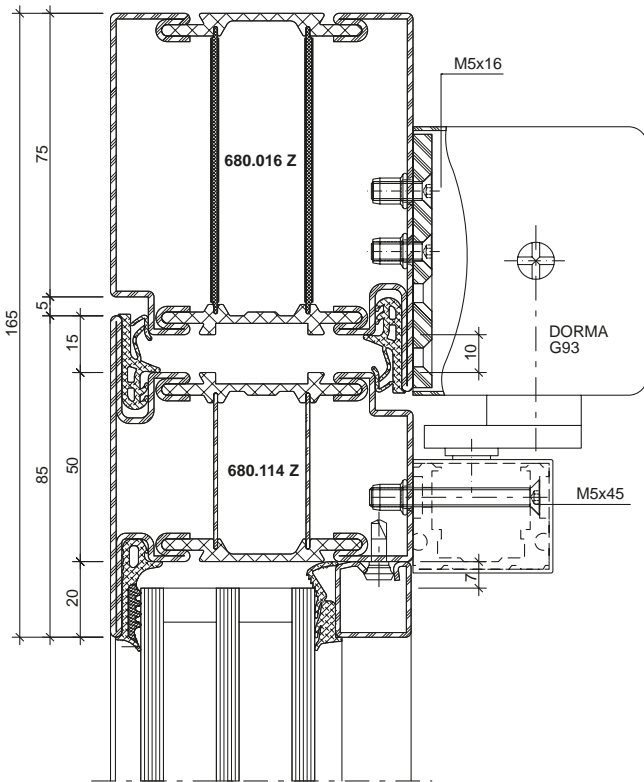
12-0101-E-065



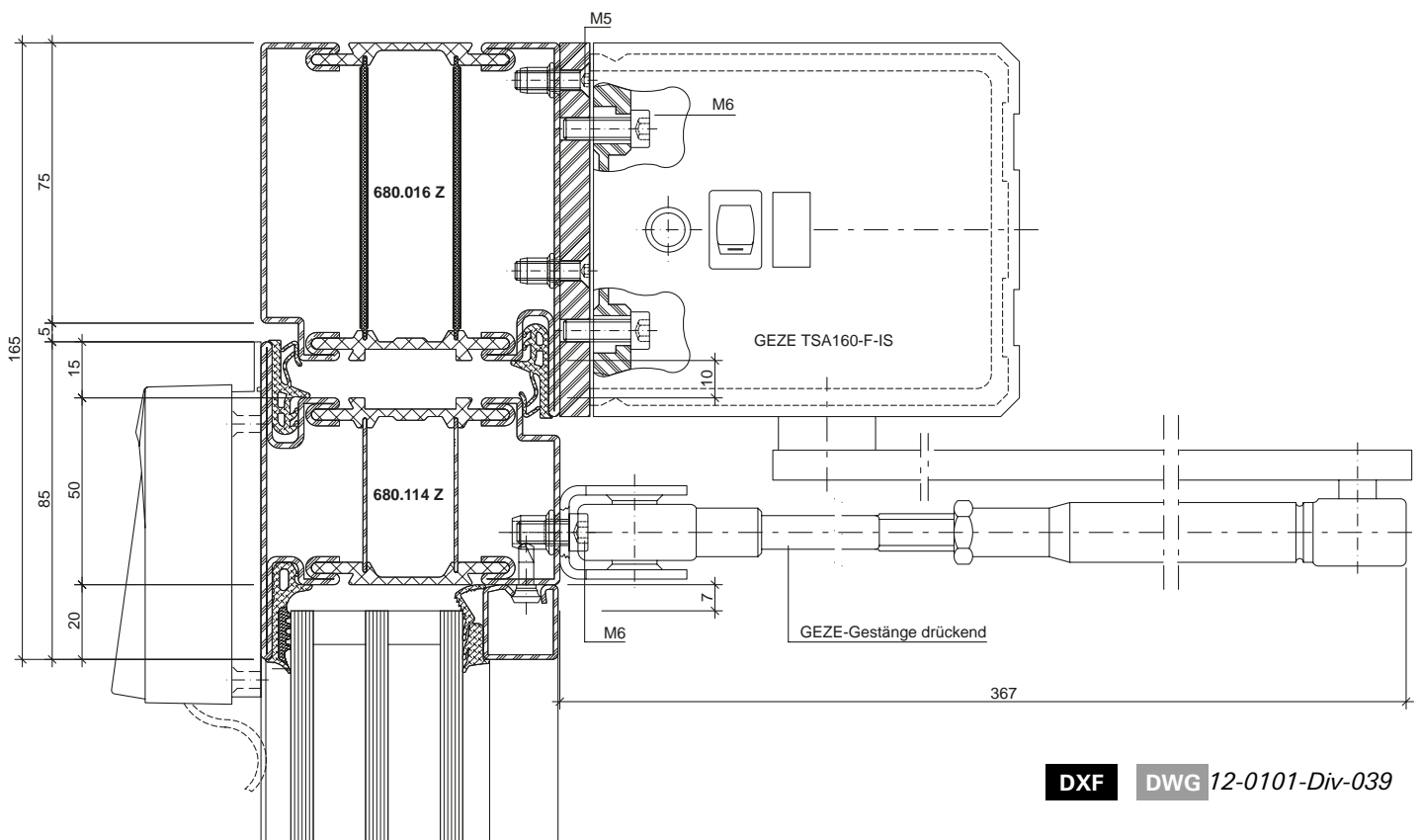
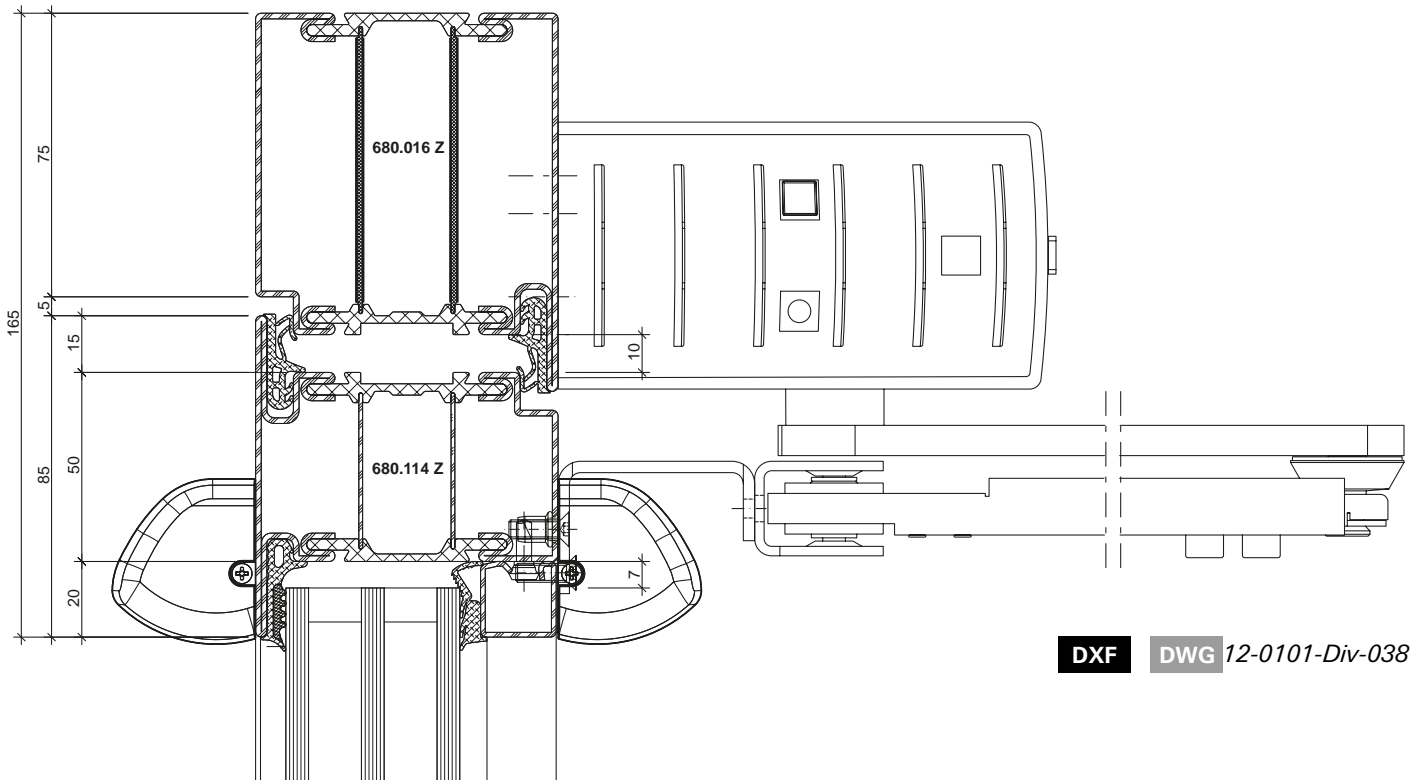
DXF

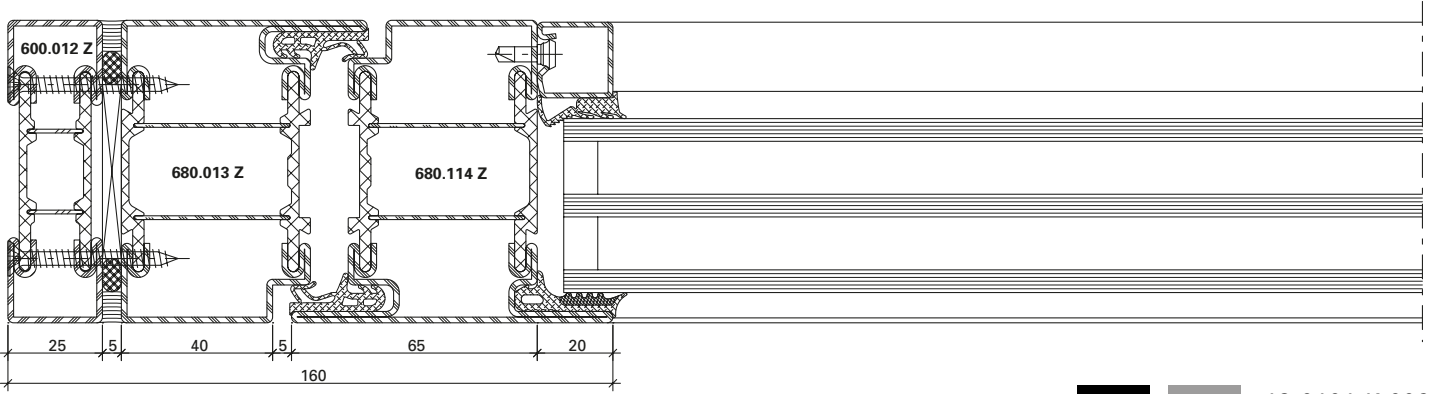
DWG

12-0101-E-066

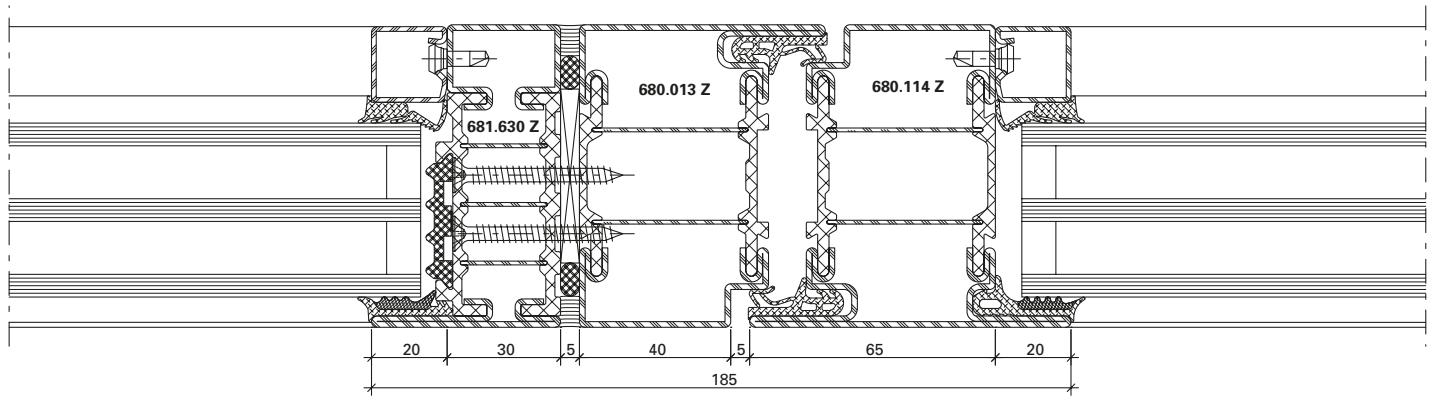


DXF DWG 12-0101-Div-037

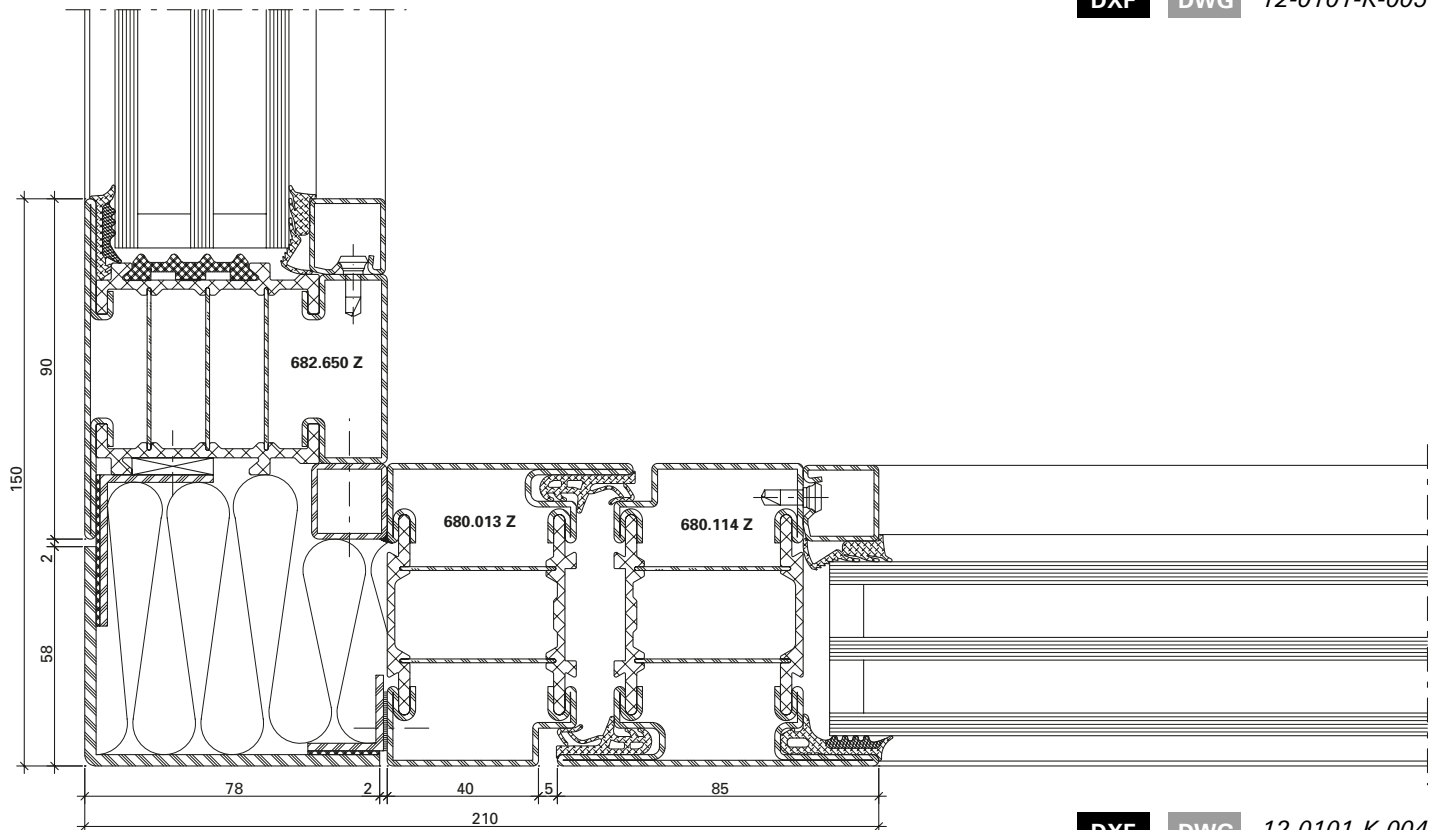




DXF **DWG** 12-0101-K-006



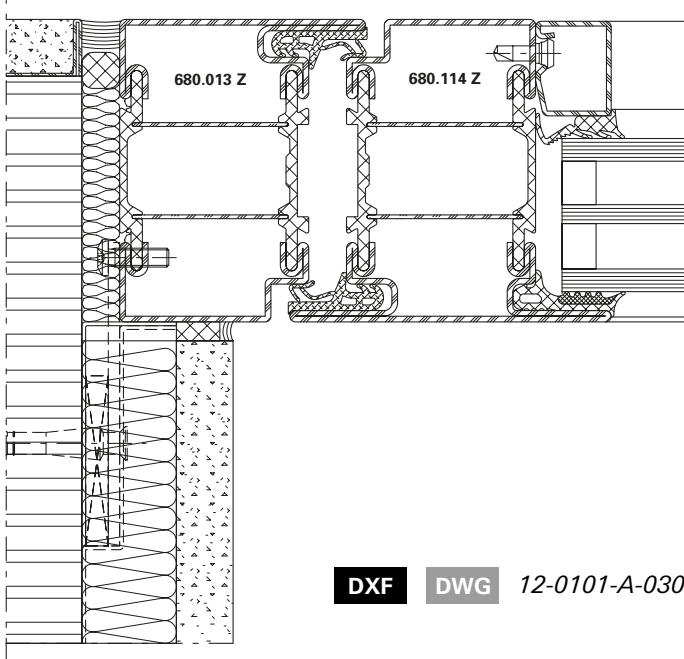
DXF **DWG** 12-0101-K-005



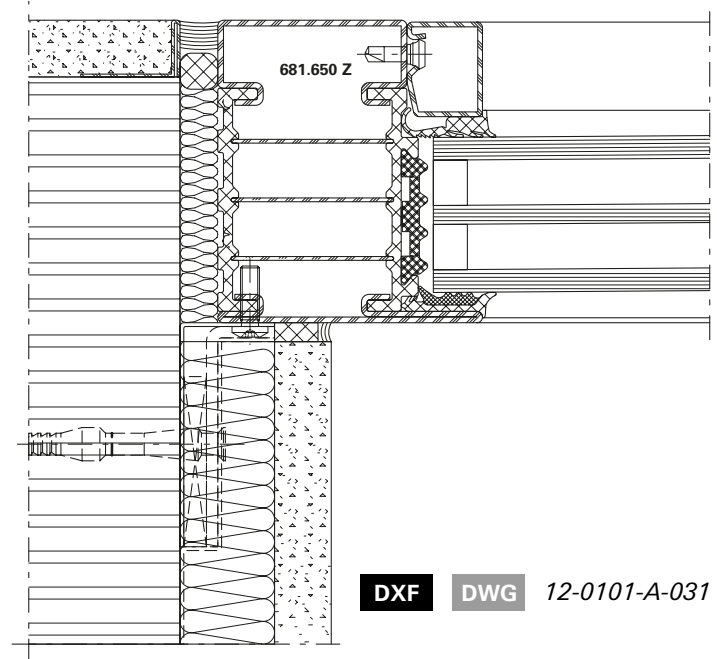
DXF **DWG** 12-0101-K-004

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

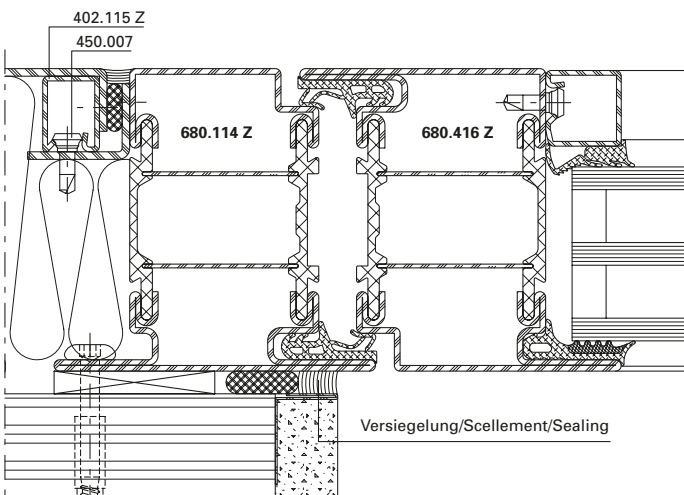
Janisol HI Türen
Janisol HI portes
Janisol HI doors



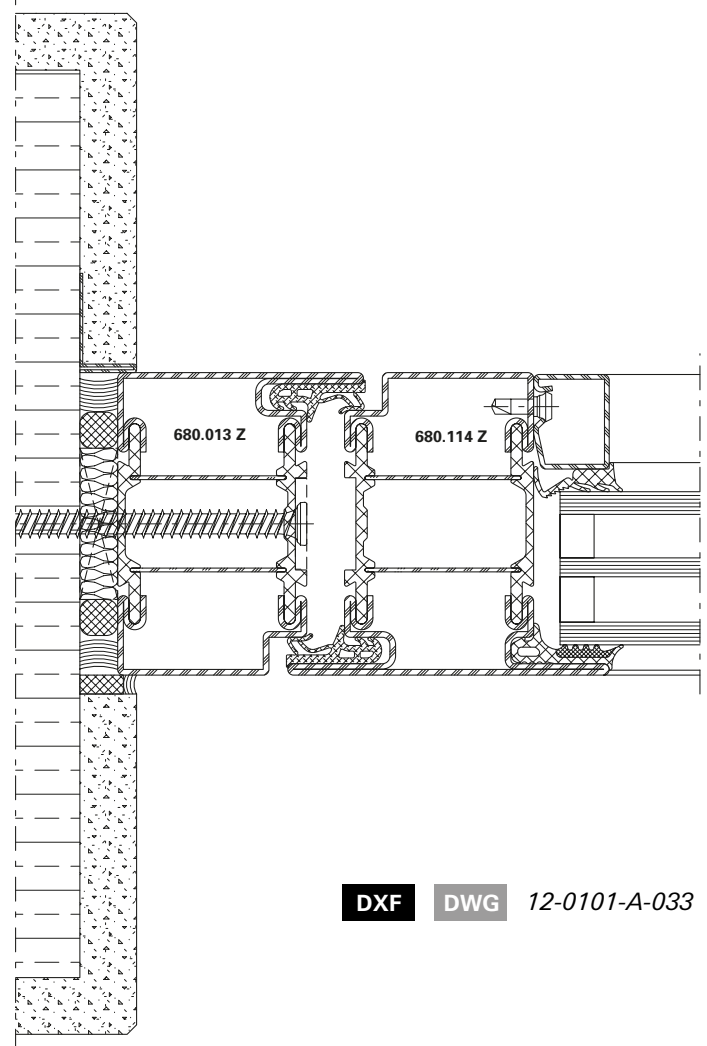
DXF **DWG** 12-0101-A-030



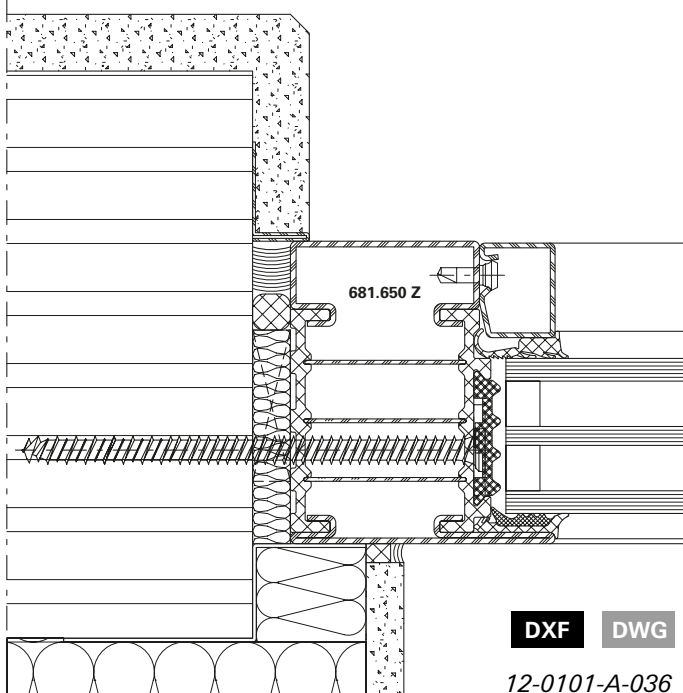
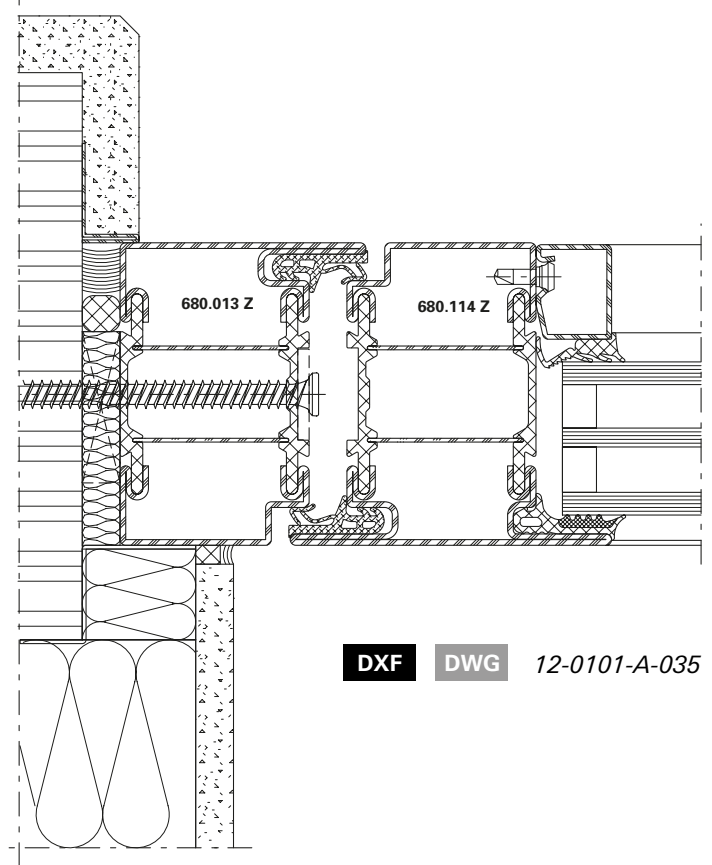
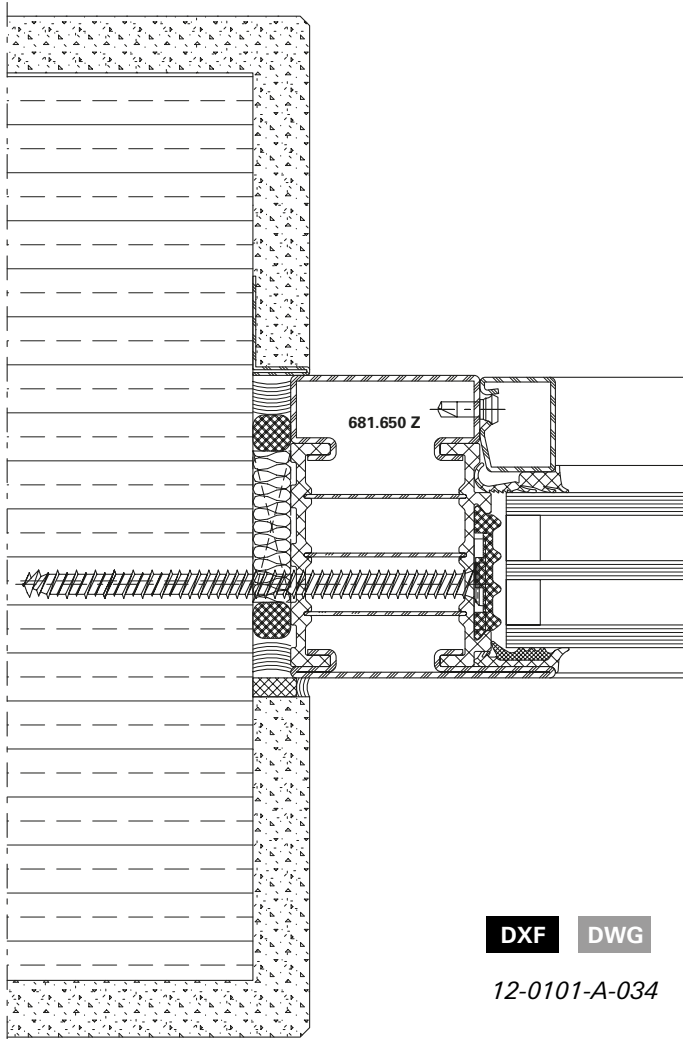
DXF **DWG** 12-0101-A-031



DXF **DWG** 12-0101-A-032

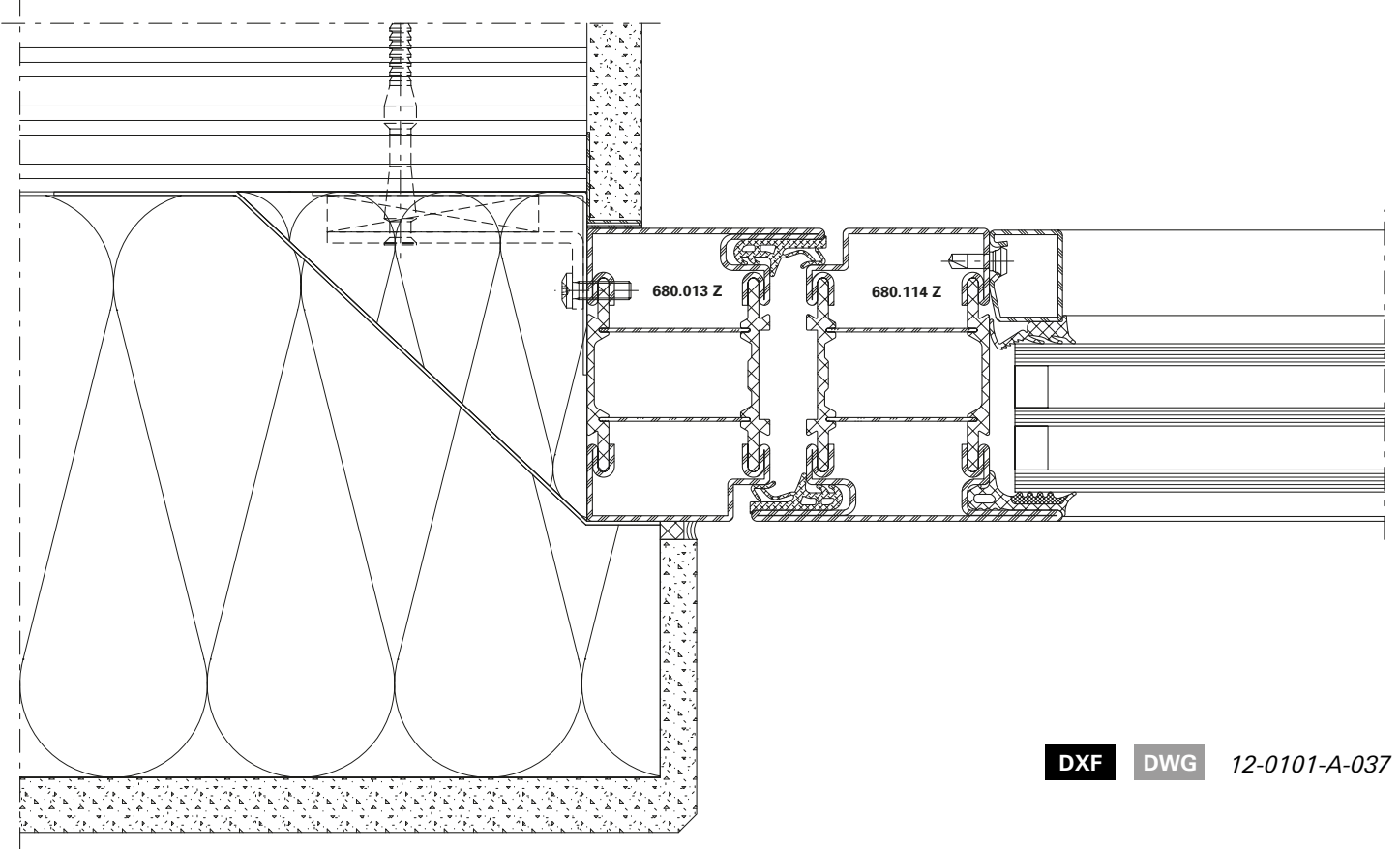


DXF **DWG** 12-0101-A-033

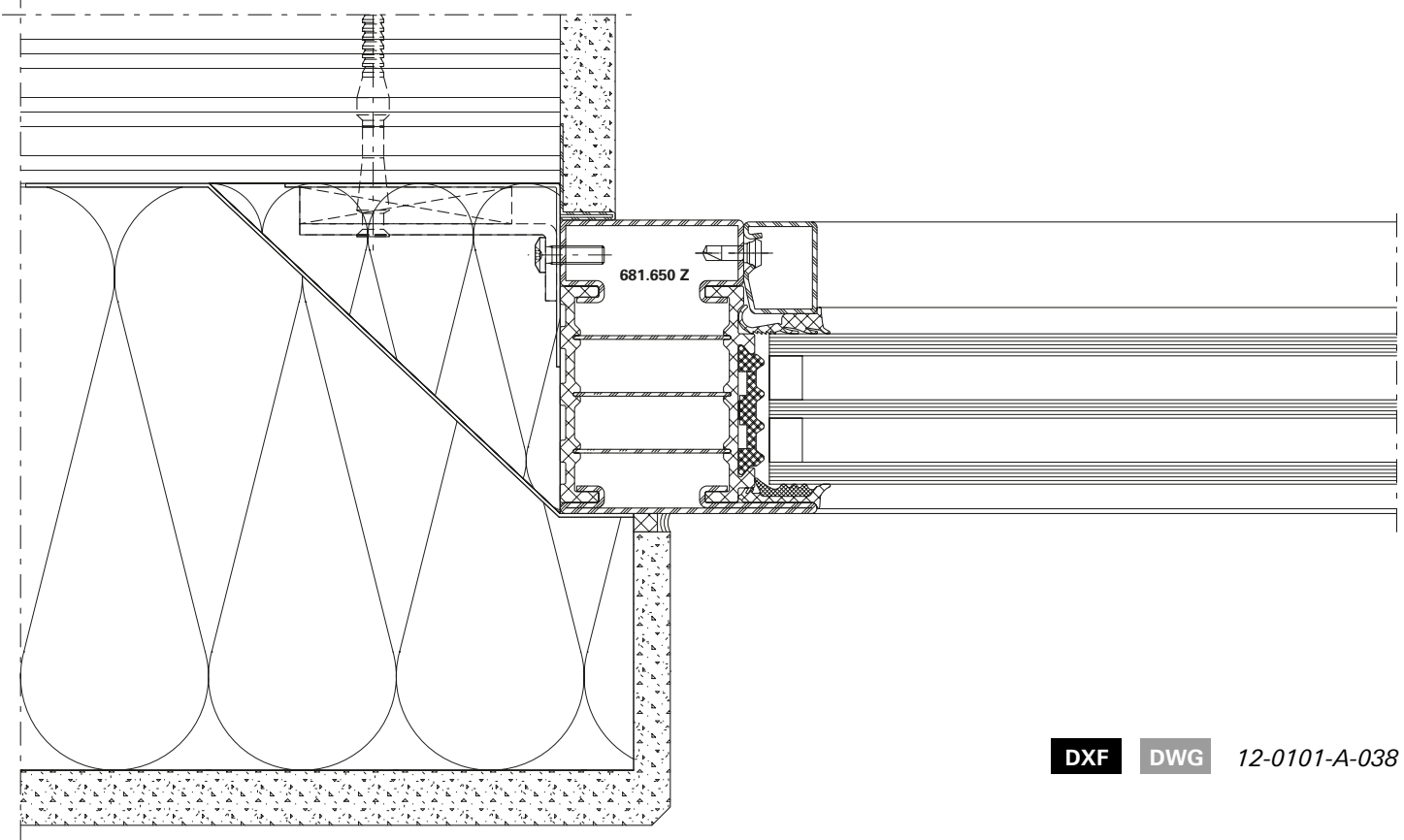


Anschlüsse am Bau im Masstab 1:2
Raccords au mur à l'échelle 1:2
Attachment to structure on scale 1:2

Janisol HI Türen
Janisol HI portes
Janisol HI doors



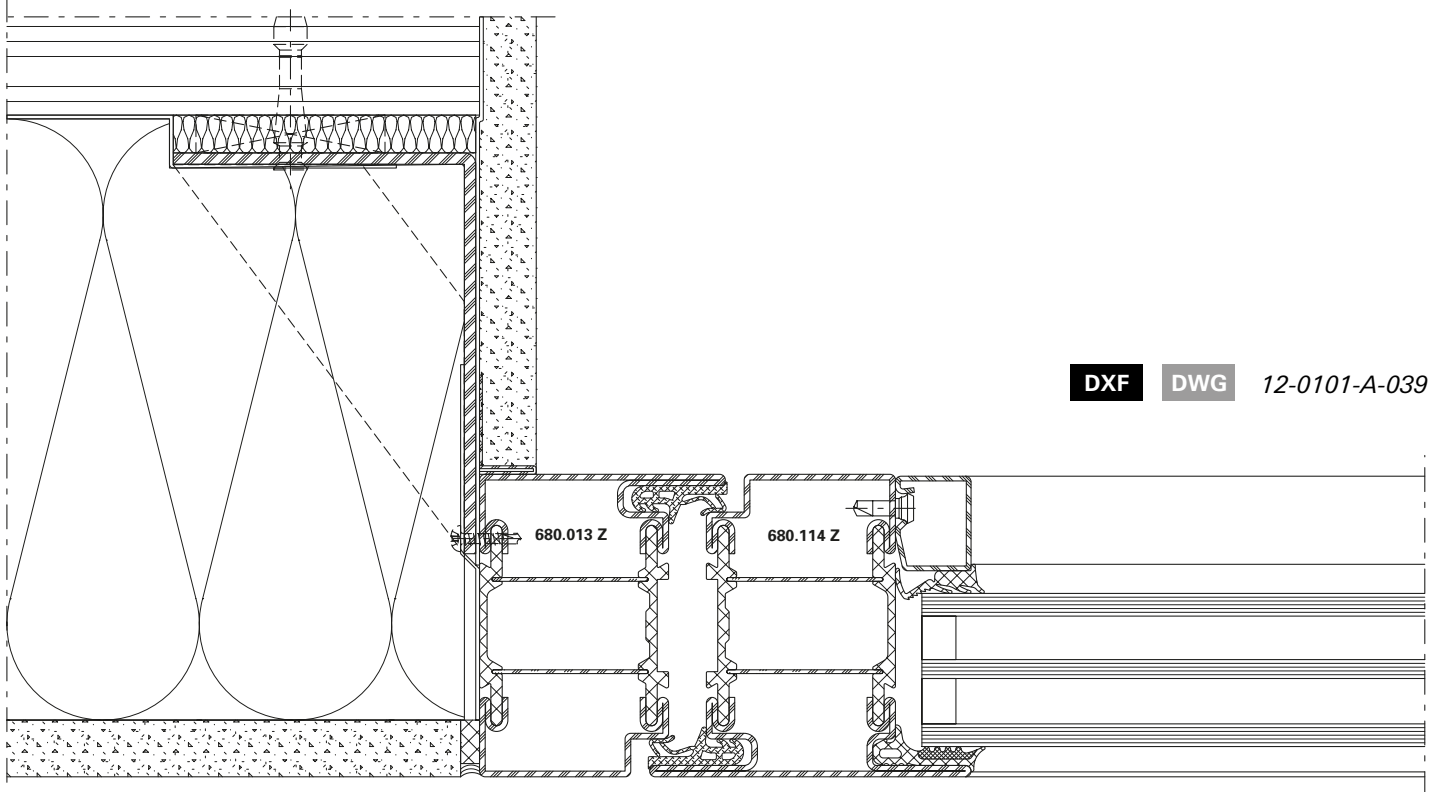
DXF **DWG** 12-0101-A-037



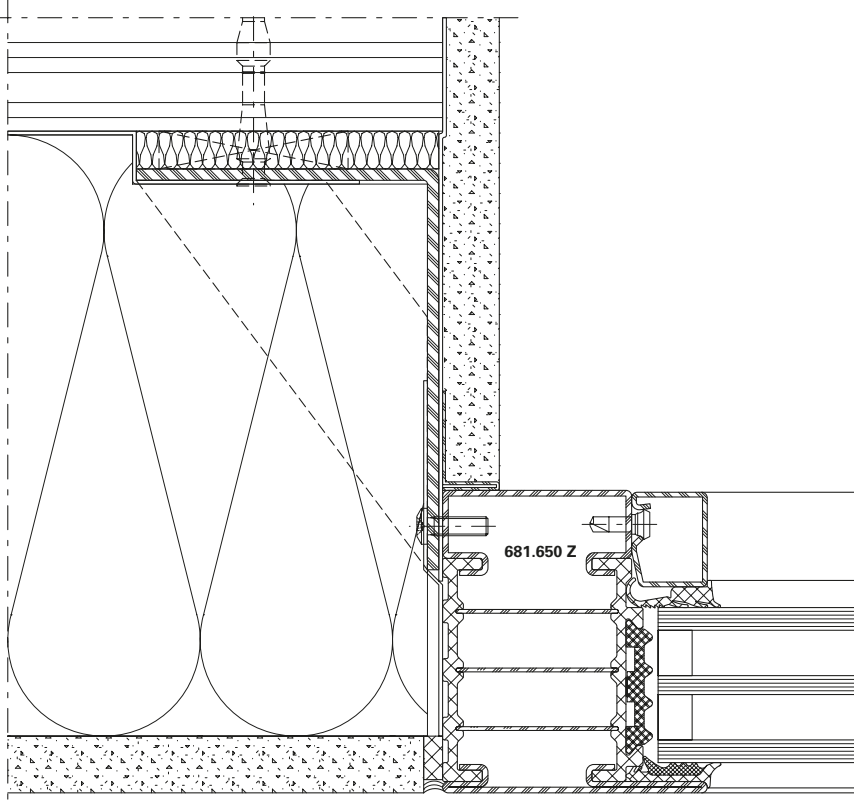
DXF **DWG** 12-0101-A-038

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

Janisol HI Türen
Janisol HI portes
Janisol HI doors



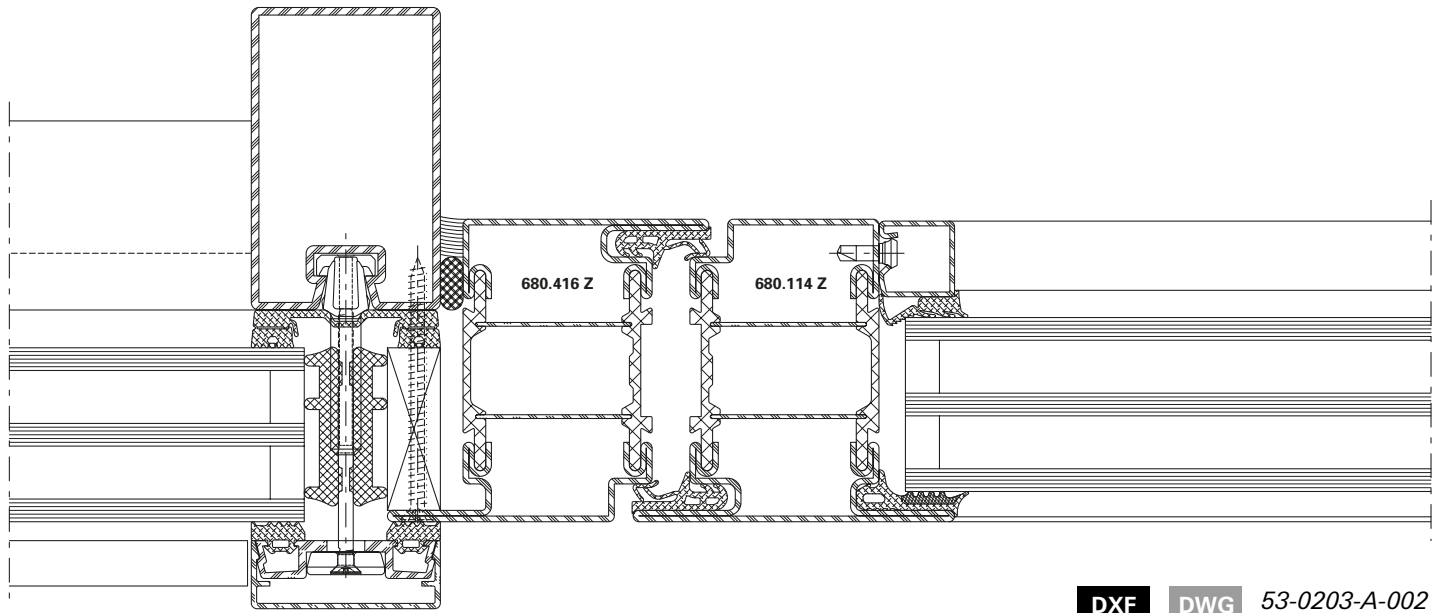
DXF DWG 12-0101-A-039



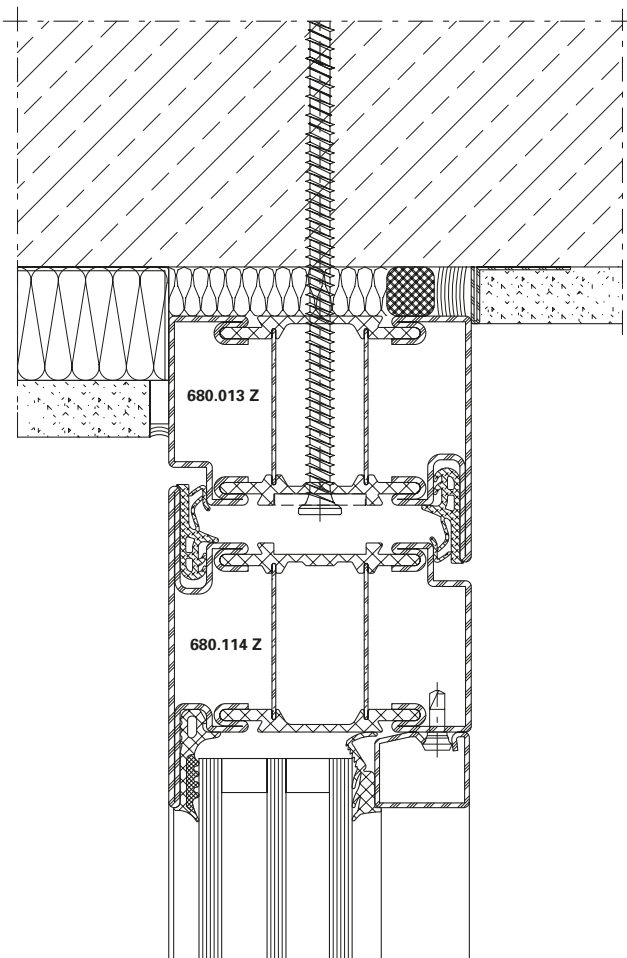
DXF DWG 12-0101-A-040

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

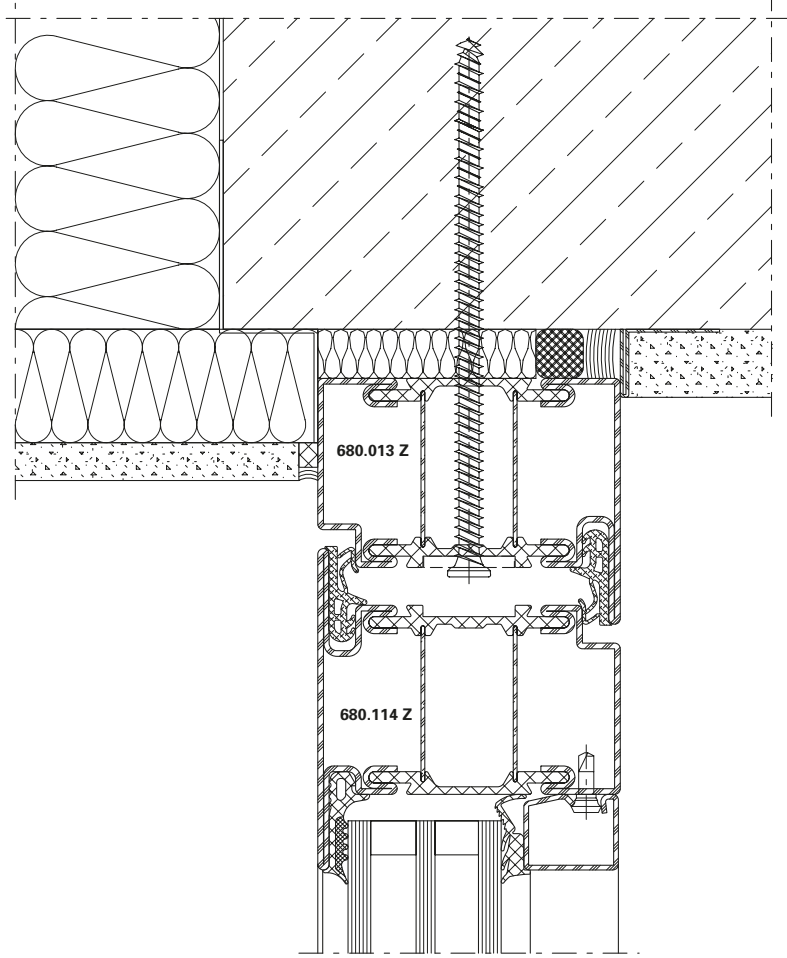
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 53-0203-A-002



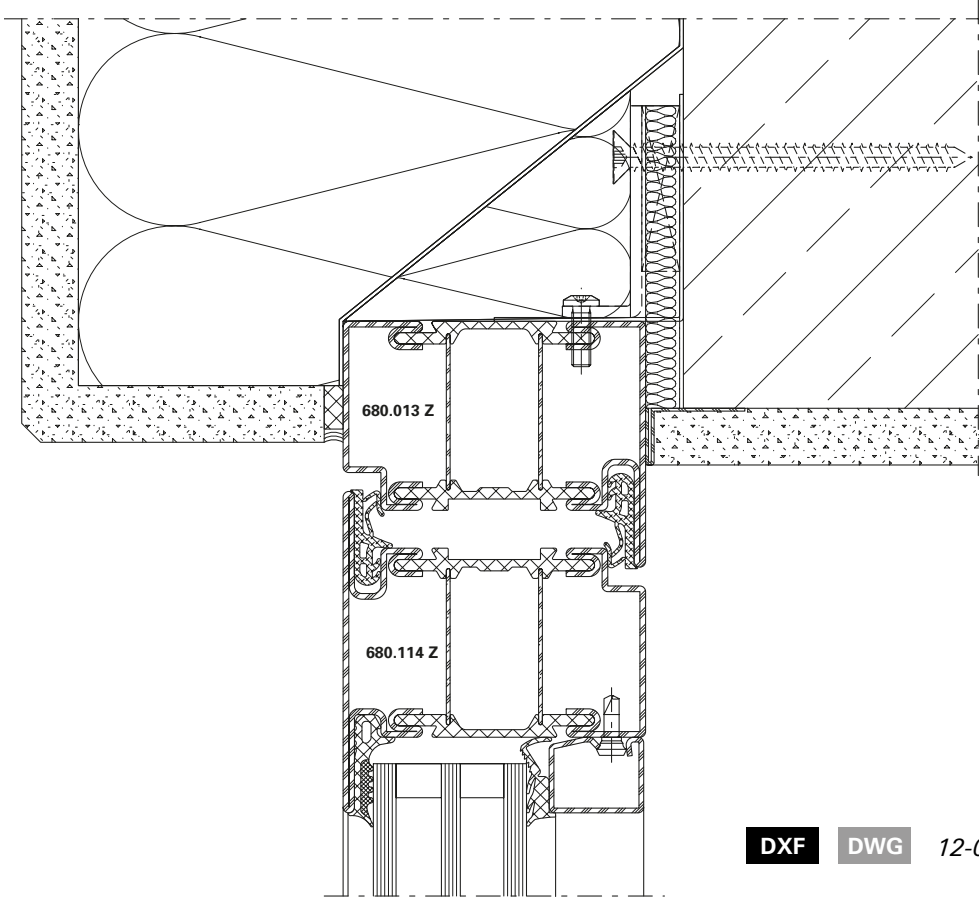
DXF DWG 12-0101-A-041



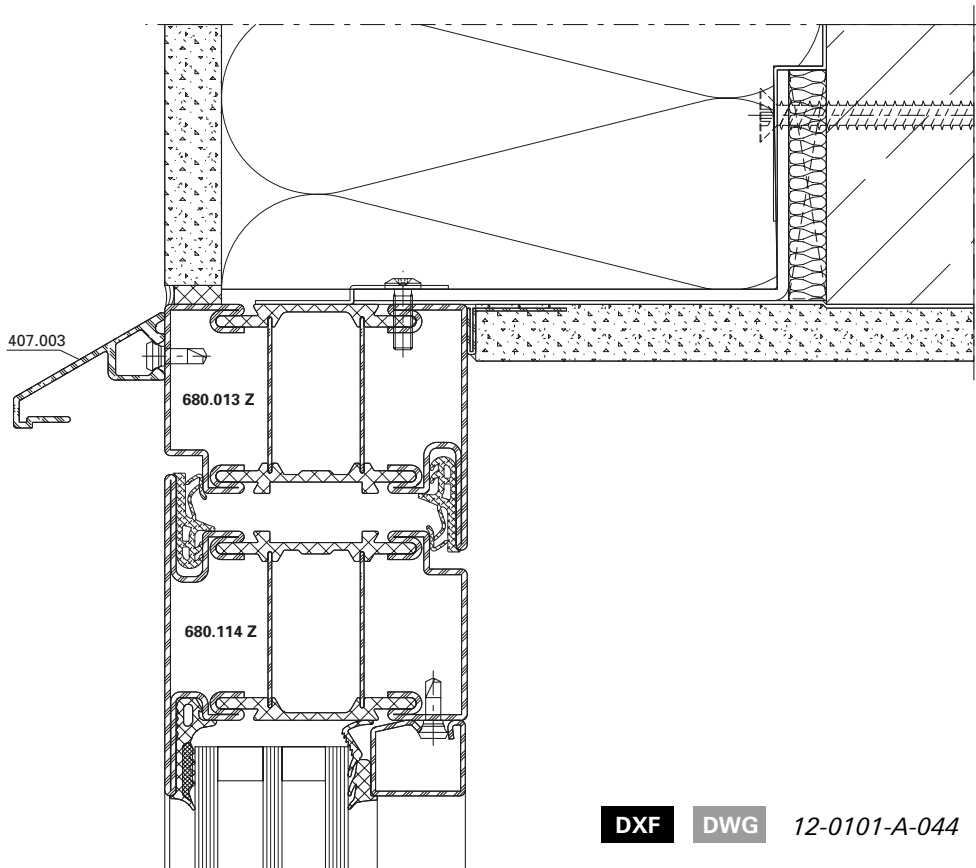
DXF DWG 12-0101-A-042

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

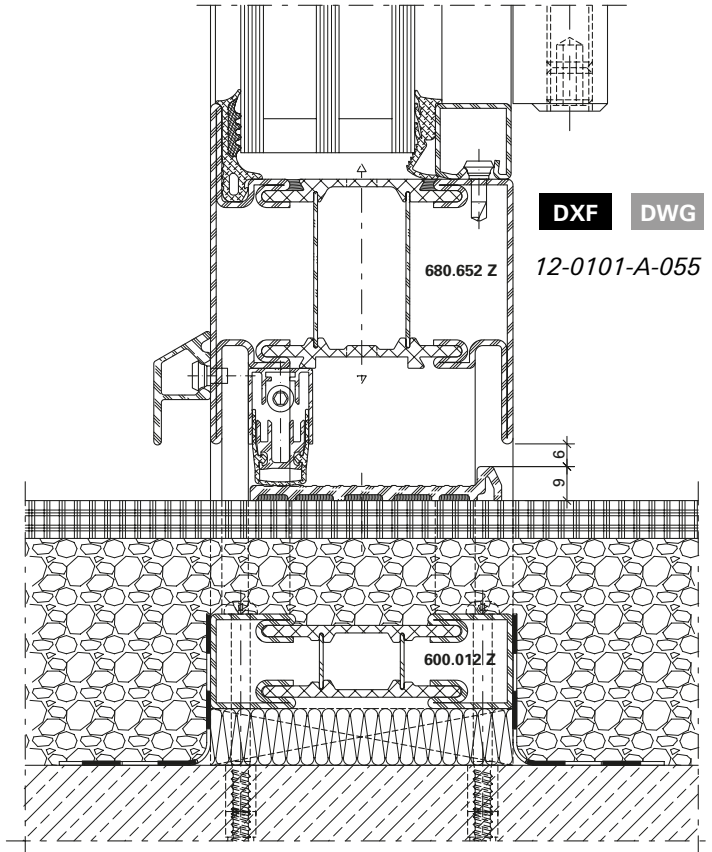
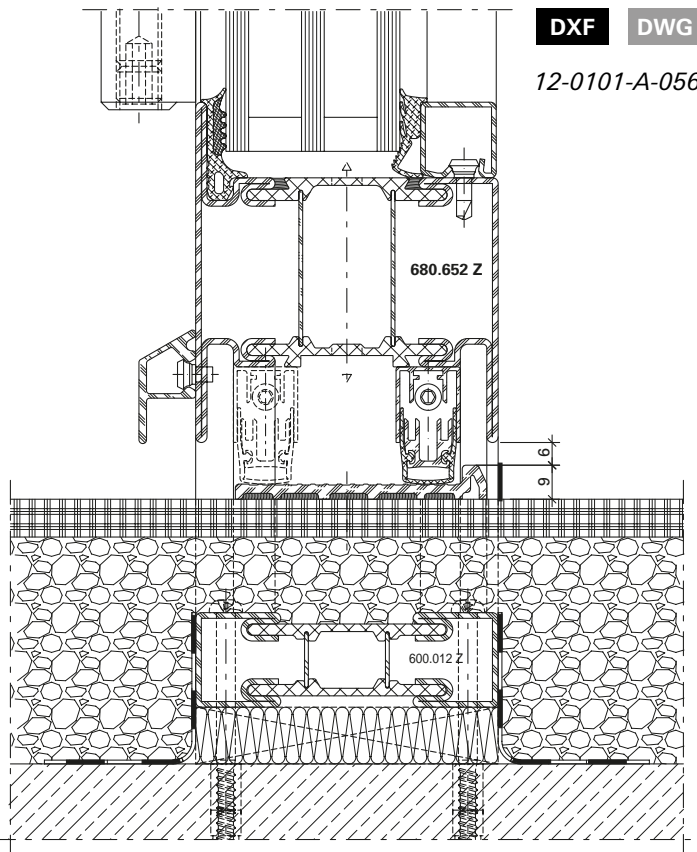
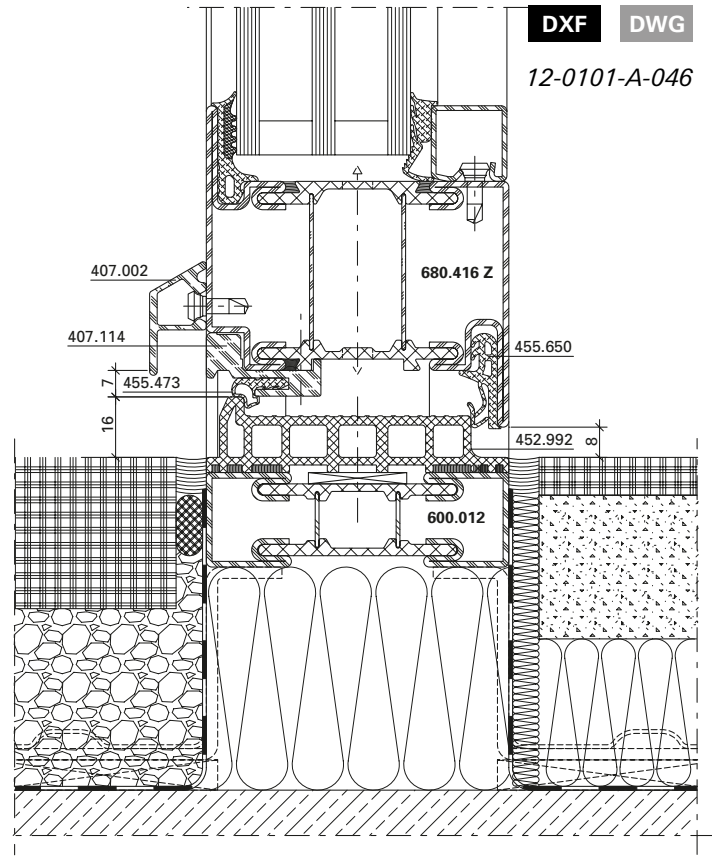
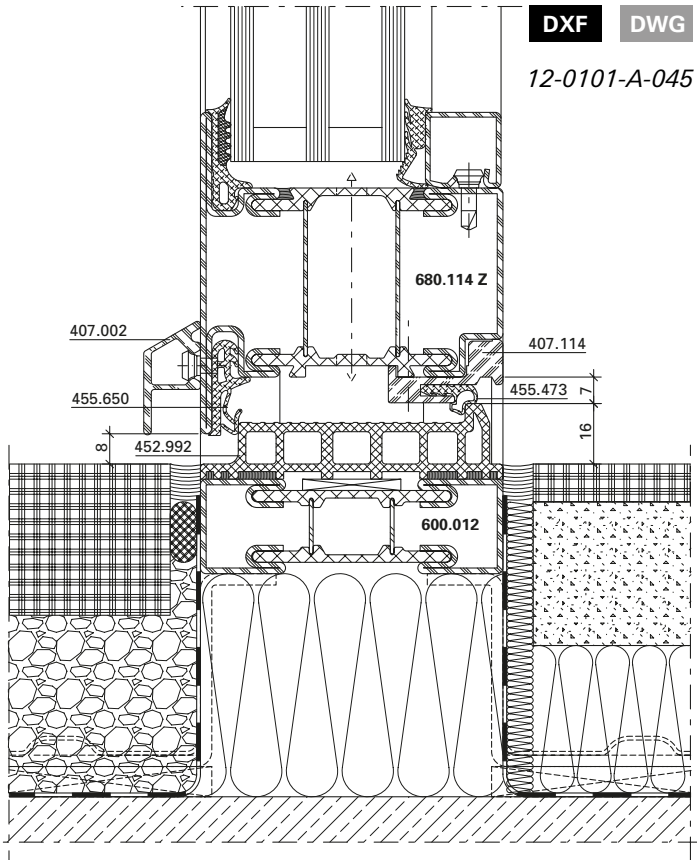
Janisol HI Türen
Janisol HI portes
Janisol HI doors



DXF DWG 12-0101-A-043



DXF DWG 12-0101-A-044



Anschlüsse am Bau im Massstab 1:2

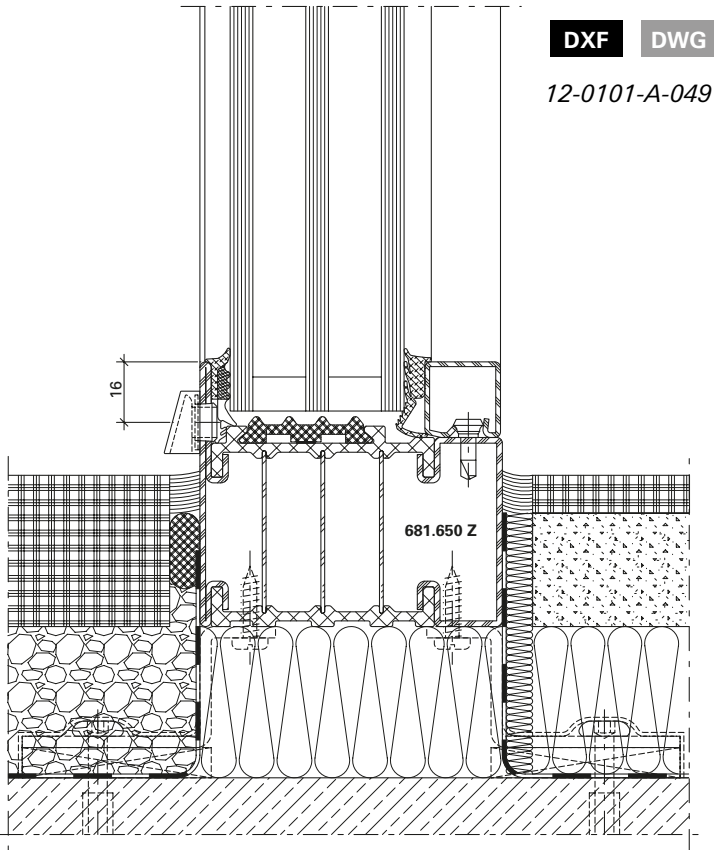
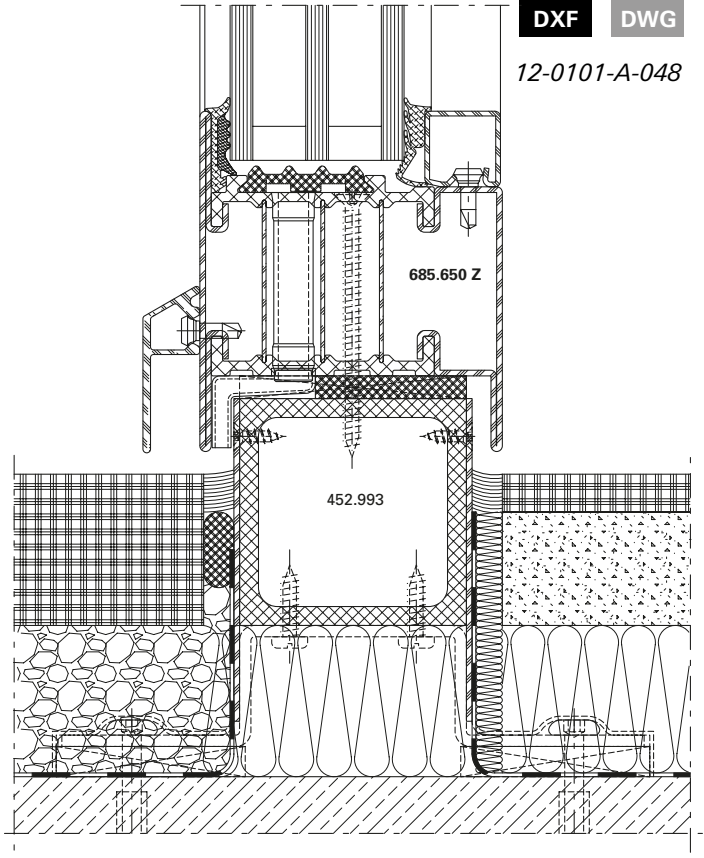
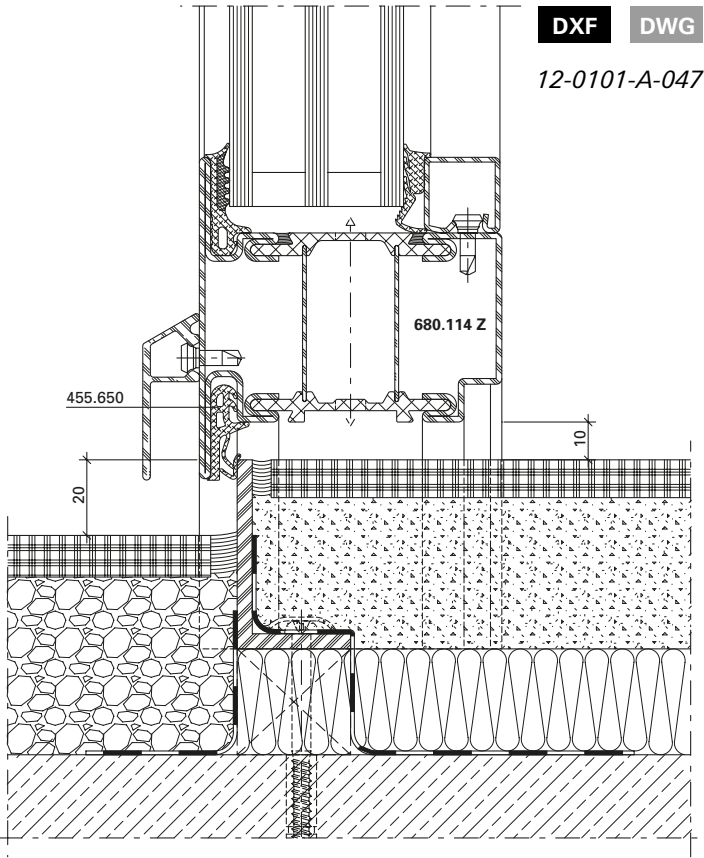
Raccords au mur à l'échelle 1:2

Attachment to structure on scale 1:2

Janisol HI Türen

Janisol HI portes

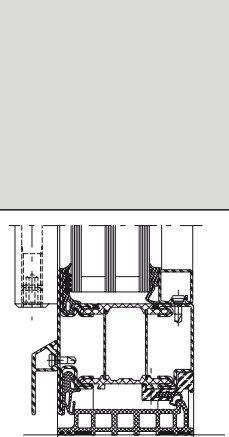
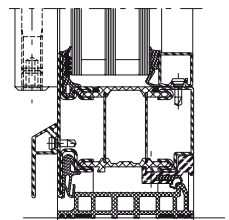
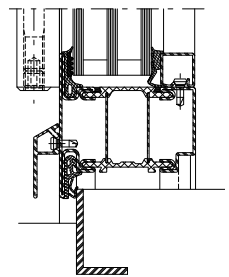
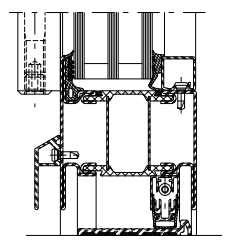
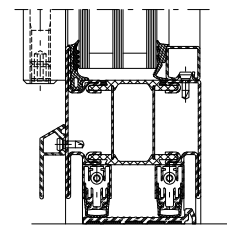
Janisol HI doors



**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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
Doppelanschlag Butée double Double rebate seal		1	2	1	8A	8A	C2	C2
		2	4	3	8A	8A	C3	C2/B3
		3	4	3	9A	9A	C4	B4
Einfachanschlag Butée simple Single rebate seal		1	2	1	5A	5A	C2	C2
		2	4	3	5A	5A	C3	C2/B3
		3	4	3	4A	4A	C4	B4
Einfache Senkdichtung Joint seuil simple Single drop seal		1	1	1	2A	2A	C2	C2
		2	3	3	5A	5A	C3	C2/B3
		3	3	3	2A	2A	C4	B4
Doppelte Senkdichtung Joint seuil double Double drop seal		1	1	1	2A	2A	C2	C2
		2	3	3	3A	3A	C3	C2/B3
		3	3	3	2A	2A	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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

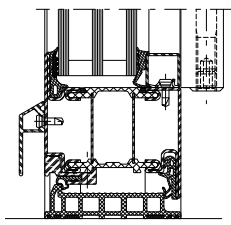



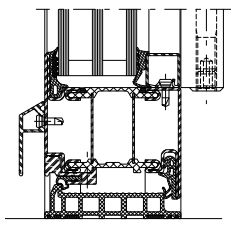
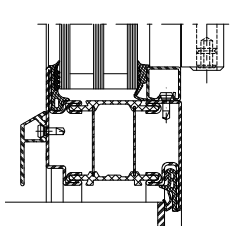
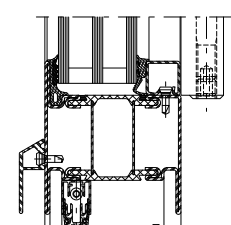
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
			Doppelanschlag Butée double Double rebate seal		1	2	1	-
		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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

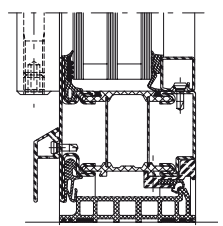
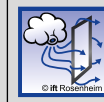


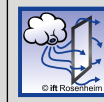


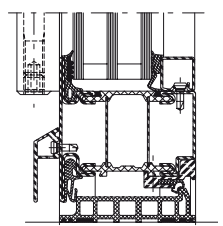
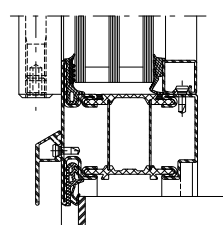
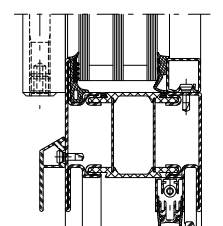
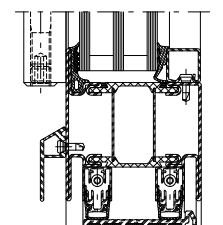
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrure à verrouillage multiple
Multipoint lock

Einflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 outward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}
								
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

¹ Profile Kammermass 30 mm
 nicht zulässig

❶ Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

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

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

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

The values are valid for dry glazing
 and glazing with sealing

FB = Leaf width

* 2 hinges

** 3 hinges

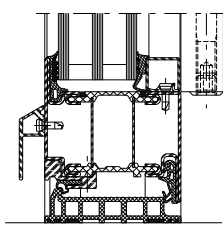
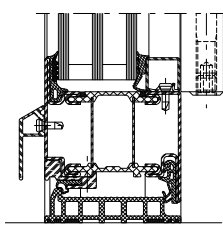
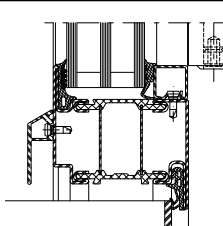
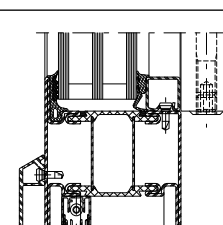
¹ Profiles with chamber dimensions
 of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Einflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à un vantail,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Single leaf door,
 inward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210		
			FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	FB (mm) ≤ 1200 ¹	FB (mm) ≤ 1400 ^{**1}	
			1	-	-	-	-	-	-
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 valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profilés de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
Serrure à mortaiser
Latch and bolt lock

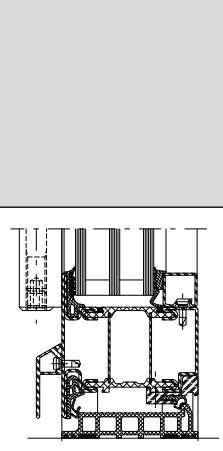
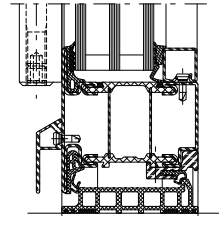
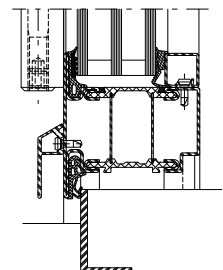
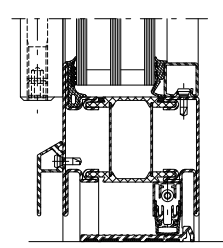
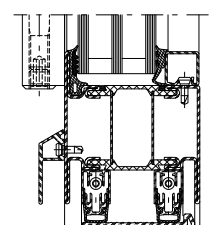
2 Schloss mit Obenverriegelung
Serrure avec verrouillage supérieur
Lock with top locking point

3 Mehrfachverriegelungs-Schloss
Serrure 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**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200*	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

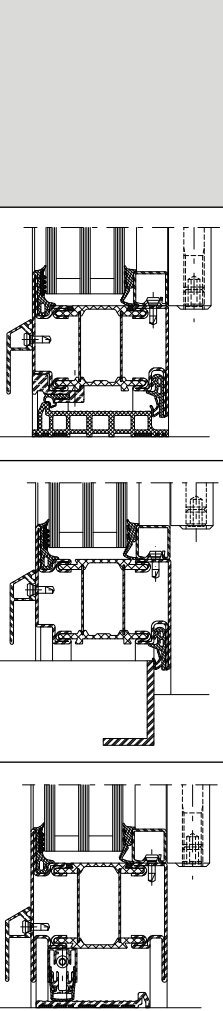



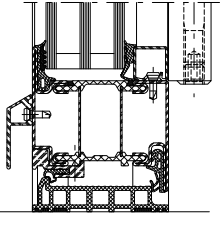
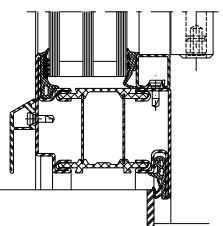
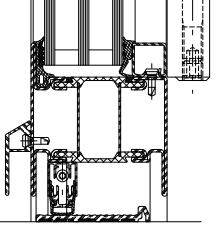
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure 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** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹	FB (mm) ≤ 1200*	FB (mm) ≤ 1400** ¹
			Doppelanschlag Butée double Double rebate seal		1 2 3	2 4 4	1 3 3	-
Einfachanschlag Butée simple Single rebate seal		1 2 3	2 3 4	1 3 3	-	-	C2 C2/B3 C2	C2 C2/B3 C2
Einfache Senkdichtung Joint seuil simple Single drop seal		1 2 3	1 3 2	1 3 2	1A 1A 1A	1A 1A 1A	C2 C2/B3 C2	C2 C2/B3 C2

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions of 30 mm not permitted

1 Fallenriegel-Schloss
 Serrure à mortaiser
 Latch and bolt lock

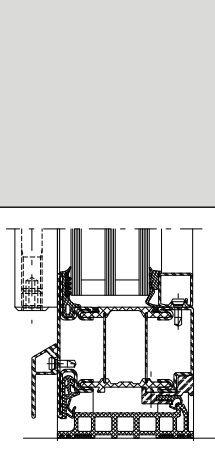
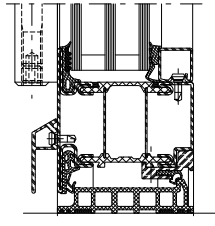
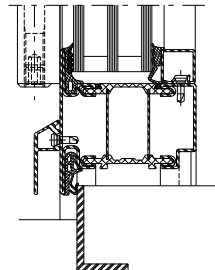
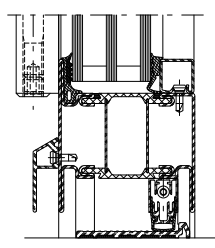
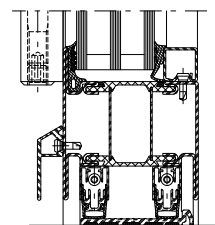
2 Schloss mit Obenverriegelung
 Serrure avec verrouillage supérieur
 Lock with top locking point

3 Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 auswärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'extérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 outward opening,
 leaf height < 3000 mm¹

Variante		Beschlag Ferrure Fitting	EN 12207		EN 12208		EN 12210	
			FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1	FB (mm) ≤ 1200**1	FB (mm) ≤ 1400**1
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

¹ Profile Kammermass 30 mm nicht zulässig

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

¹ Profilés de dimension de la chambre de 30 mm non autorisés

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

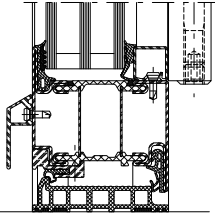
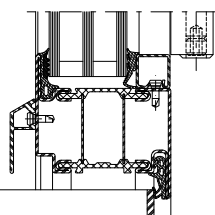
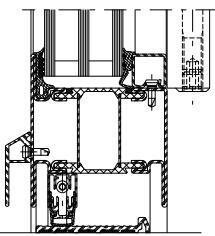
¹ Profiles with chamber dimensions of 30 mm not permitted

❸ Mehrfachverriegelungs-Schloss
 Serrure à verrouillage multiple
 Multipoint lock

Zweiflügelige Türen,
 einwärts öffnend,
 Flügelhöhe < 3000 mm¹

Porte à deux vantaux,
 ouvrant vers l'intérieur,
 hauteur du vantail < 3000 mm¹

Double leaf door,
 inward opening,
 leaf height < 3000 mm¹

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

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

Les valeurs sont valables 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

¹ Profile Kammermass 30 mm
 nicht zulässig

FB = Largeur de vantail

* 2 paumelles

** 3 paumelles

¹ Profils de dimension de la
 chambre de 30 mm non autorisés

FB = Leaf width

* 2 hinges

** 3 hinges

¹ Profiles with chamber dimensions
 of 30 mm not permitted

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
 Serrure 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:


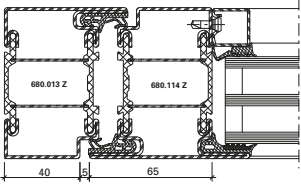
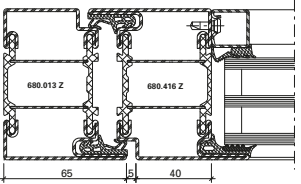
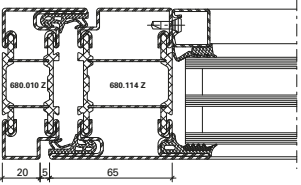
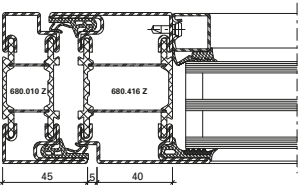
Steel

- 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)


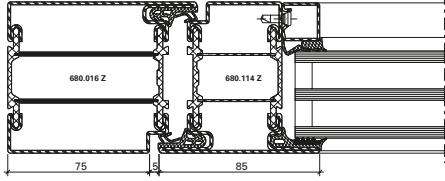
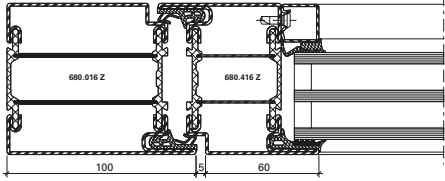
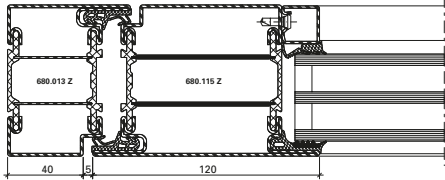
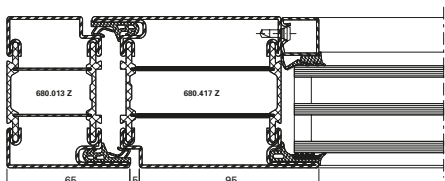
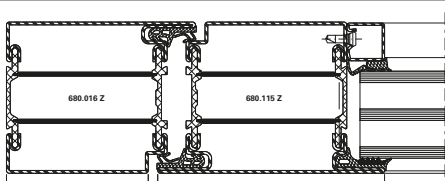
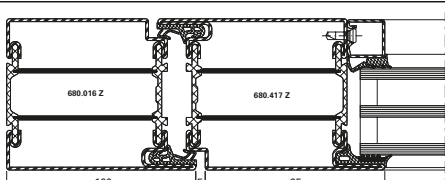
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K
	1,5 W/m ² K	1,5 W/m ² K	1,7 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K

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

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


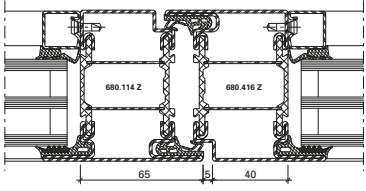
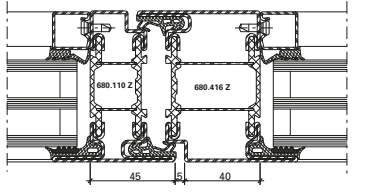
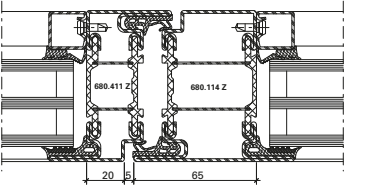
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,3 W/m ² K	1,4 W/m ² K	1,5 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K
	1,2 W/m ² K	1,3 W/m ² K	1,3 W/m ² K

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

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


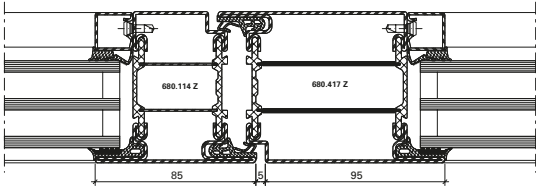
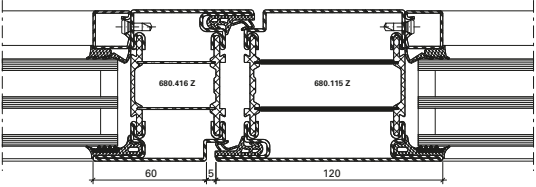
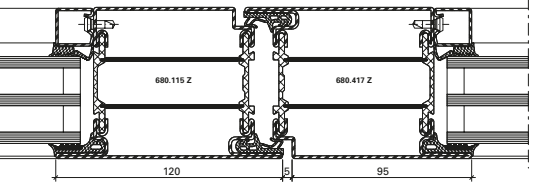
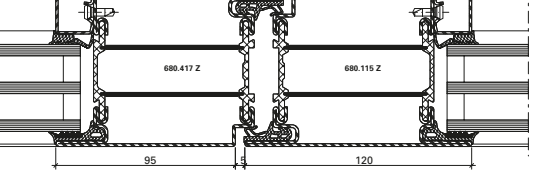
U_f values
 (according to EN ISO 10077-2:2018-01)

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


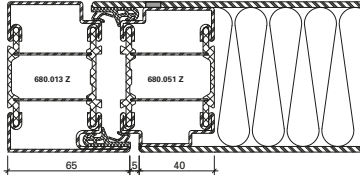
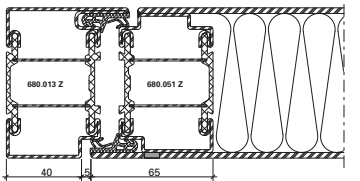
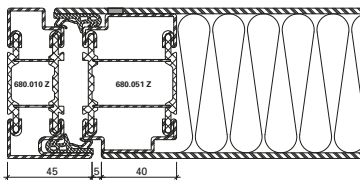
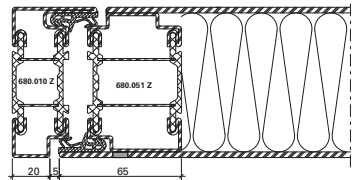
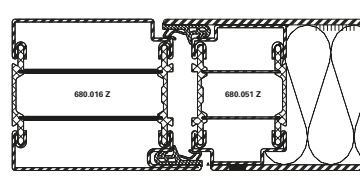
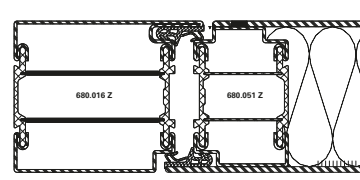
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,3 W/m²K	1,4 W/m²K	1,6 W/m²K
	1,3 W/m²K	1,4 W/m²K	1,6 W/m²K
	1,2 W/m²K	1,3 W/m²K	1,4 W/m²K
	1,2 W/m²K	1,3 W/m²K	1,4 W/m²K

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

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


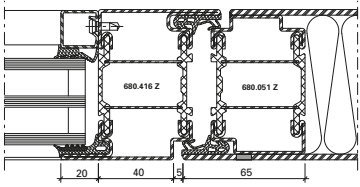
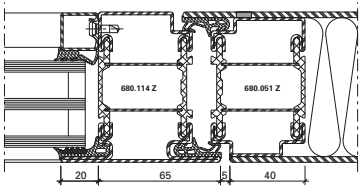
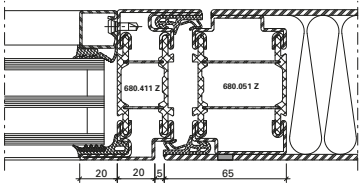
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,5 W/m ² K
	-	-	-	1,5 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,7 W/m ² K
	-	-	-	1,3 W/m ² K
	-	-	-	1,3 W/m ² K

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

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


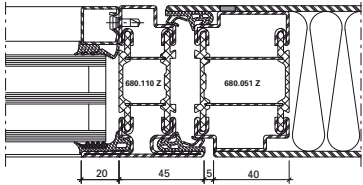
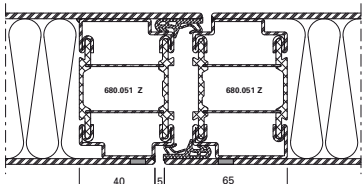
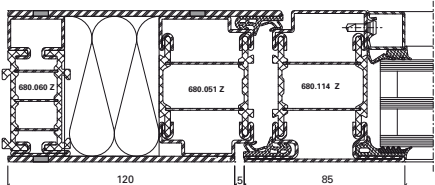
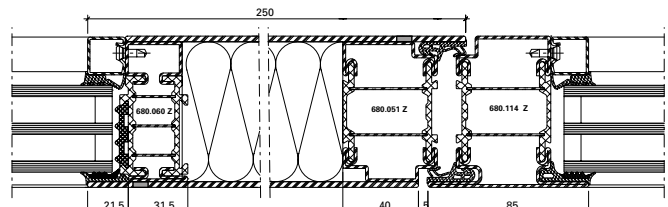
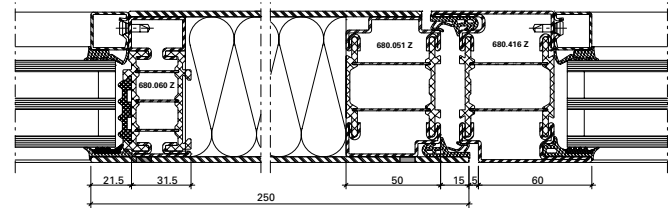
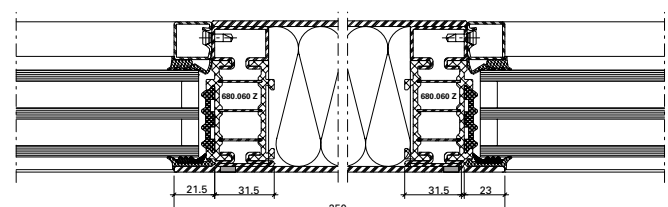
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K	-
	1,6 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	-

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)


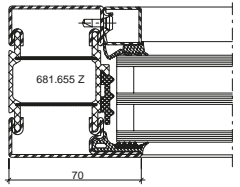
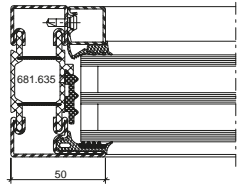
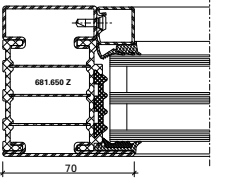
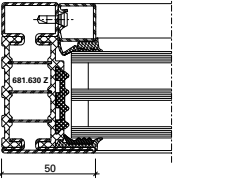
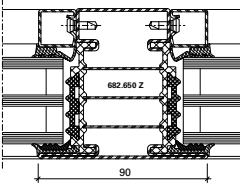
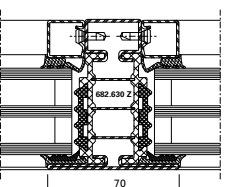
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,7 W/m ² K	1,7 W/m ² K	1,8 W/m ² K	–
	–	–	–	1,6 W/m ² K
	1,3 W/m ² K	1,3 W/m ² K	1,4 W/m ² K	–
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	–
	1,0 W/m ² K	1,1 W/m ² K	1,2 W/m ² K	–
	0,74 W/m ² K	0,77 W/m ² K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

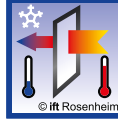
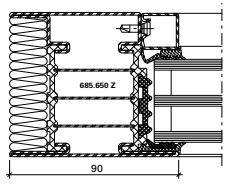
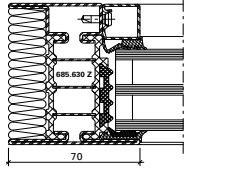
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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/m ² K	1,3 W/m ² K	1,6 W/m ² K
	1,4 W/m ² K	1,5 W/m ² K	1,9 W/m ² K
	0,89 W/m ² K	0,95 W/m ² K	1,2 W/m ² K
	1,0 W/m ² K	1,1 W/m ² K	1,4 W/m ² K
	0,84 W/m ² K	0,93 W/m ² K	1,3 W/m ² K
	0,93 W/m ² K	1,0 W/m ² K	1,5 W/m ² K


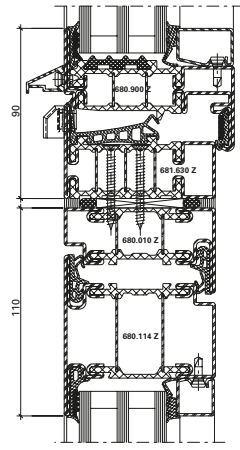
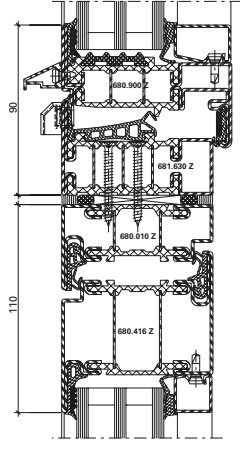
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	0,80 W/m ² K	0,85 W/m ² K	1,0 W/m ² K
	0,88 W/m ² K	0,95 W/m ² K	1,2 W/m ² K

* 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)


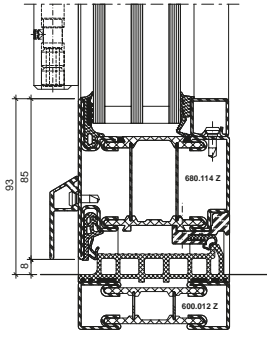
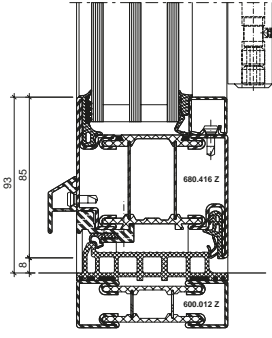
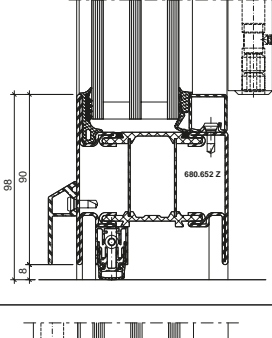
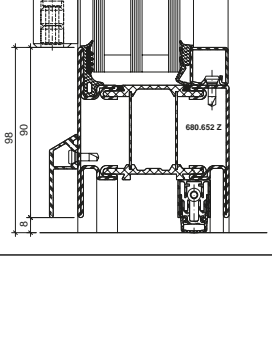
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm*	
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–
	1,5 W/m²K	1,6 W/m²K	1,7 W/m²K	–

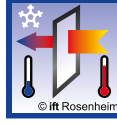
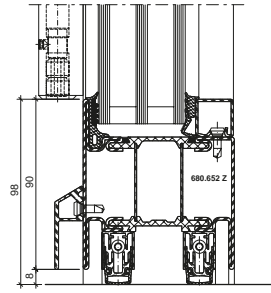
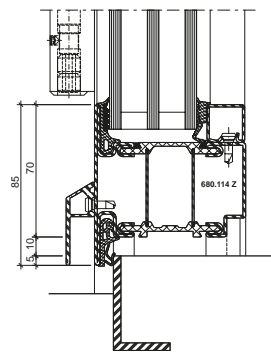
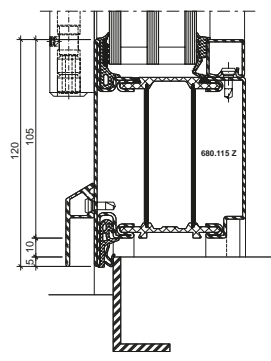
* ohne Dämmprofil
 * sans profilé isolant
 * without insulating profile

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)


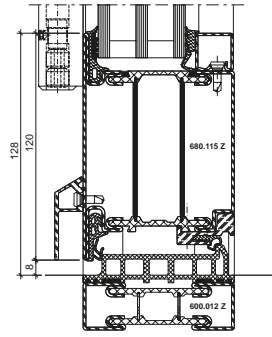
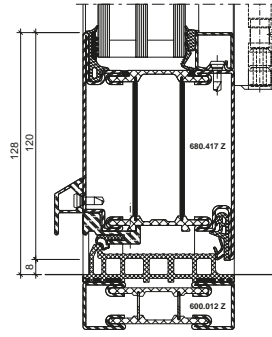
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,8 W/m ² K	2,0 W/m ² K
	1,8 W/m ² K	1,9 W/m ² K	2,1 W/m ² K
	2,5 W/m ² K	2,4 W/m ² K	2,7 W/m ² K
	2,2 W/m ² K	2,3 W/m ² K	2,4 W/m ² K

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,8 W/m ² K	1,9 W/m ² K	2,0 W/m ² K
	3,2 W/m ² K	3,1 W/m ² K	3,3 W/m ² K
	2,4 W/m ² K	2,5 W/m ² K	2,5 W/m ² K

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

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


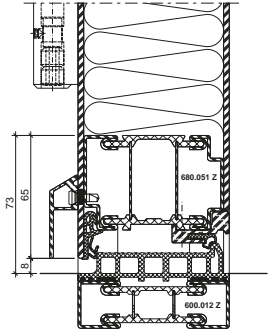
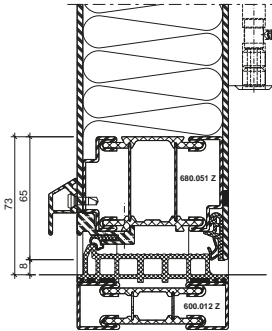
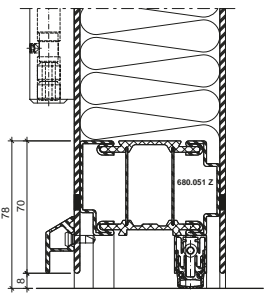
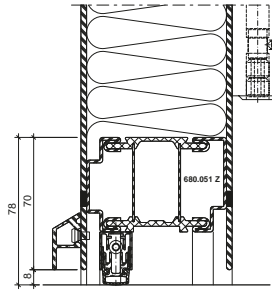
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm
	1,5 W/m ² K	1,5 W/m ² K	1,6 W/m ² K
	1,5 W/m ² K	1,6 W/m ² K	1,7 W/m ² K

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

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


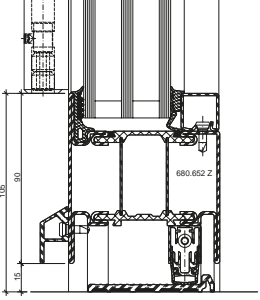
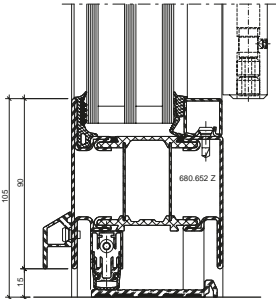
U_f values
 (according to EN ISO 10077-2:2018-01)

	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	-	-	-	1,9 W/m²K
	-	-	-	1,9 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)


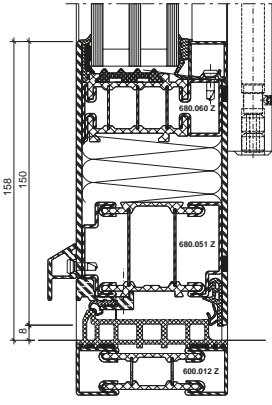
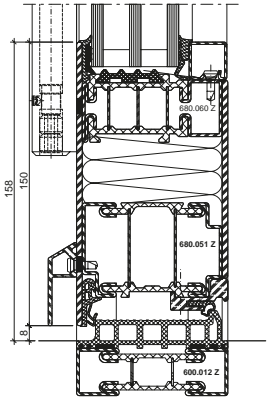
U_f values
 (according to EN ISO 10077-2:2018-01)


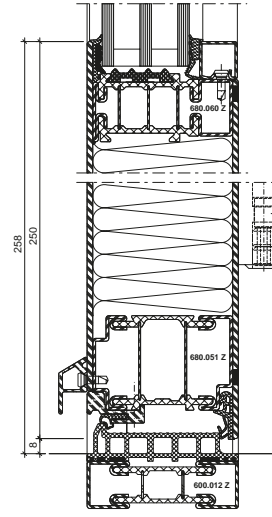
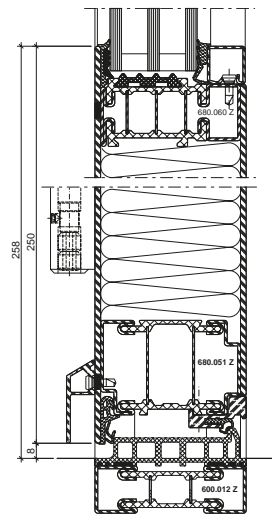
	Füllelementstärken Elements de remplissages Infill elements			Verblecht
	≥ 46 mm	≥ 36 mm	≥ 24 mm	
	5,9 W/m ² K	6,0 W/m ² K	6,2 W/m ² K	–
	4,9 W/m ² K	5,0 W/m ² K	5,1 W/m ² K	–

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*
	1,4 W/m ² K	1,5 W/m ² K	1,5 W/m ² K
	1,4 W/m ² K	1,4 W/m ² K	1,5 W/m ² K

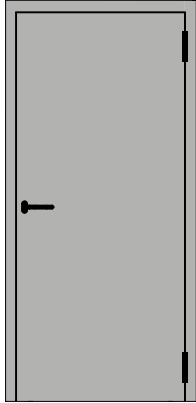
	Füllelementstärken Elements de remplissages Infill elements		
	≥ 46 mm	≥ 36 mm	≥ 24 mm*
	1,1 W/m ² K	1,1 W/m ² K	1,2 W/m ² K
	1,1 W/m ² K	1,1 W/m ² K	1,1 W/m ² K

* 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfach-
 verriegelungs-
 Schloss

Serrure à
 verrouillage
 multiple

Multipoint lock

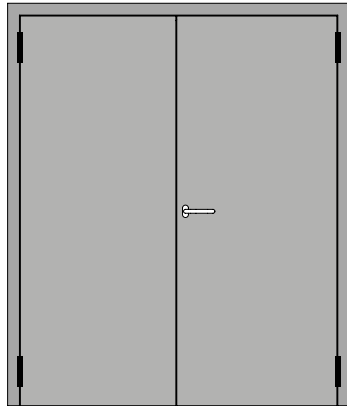
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten d ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 verriegelten 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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B2 / C3 (4 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	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 ($\Delta T 38^\circ$) Résistance aux changements de température d ($\Delta T 38^\circ$) Resistance to change in temperature d ($\Delta T 38^\circ$)	B1 / C3 (8 / 1)*
 EN 12219	Differenzklimaverhalten e ($\Delta T 55^\circ$) Résistance aux changements de température e ($\Delta T 55^\circ$) Resistance to change in temperature e ($\Delta T 55^\circ$)	B1 / C2 (8 / 2)*

Mehrfachverriegelungs-Schloss

Serrure à verrouillage multiple
Multipoint lock

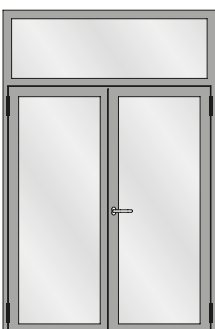
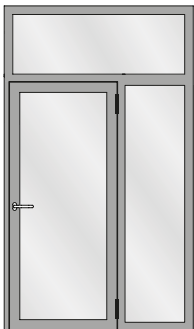
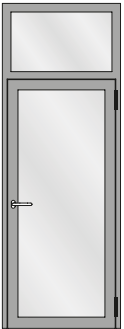
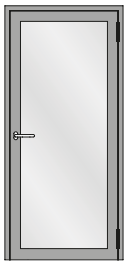
Norm	Eigenschaft Caractéristique Characteristic	Klassifizierung Classification Classification
 EN 12217	Bedienungskräfte Forces de manœuvre Operating forces	2
 EN 12219	Differenzklimaverhalten a / b ($\Delta T 5^\circ / \Delta T 10^\circ$) Résistance aux changements de température a / b ($\Delta T 5^\circ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



Schallschutz

Ausführungsvarianten

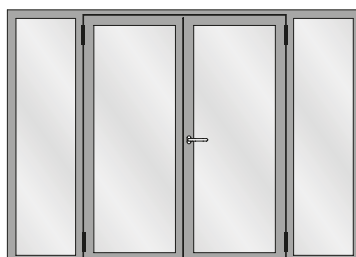
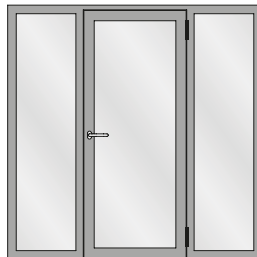
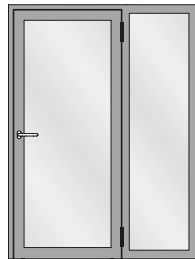
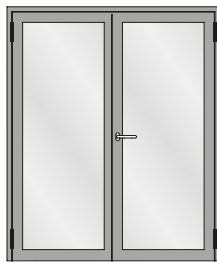
Die nachfolgende Typenübersicht ergibt einen Überblick über die beurteilten Varianten.



Isolation phonique

Modèles

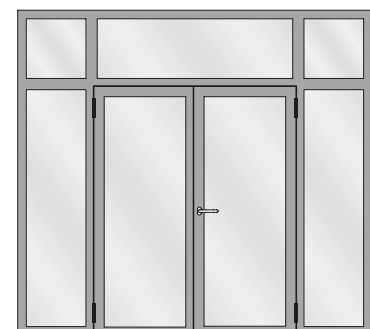
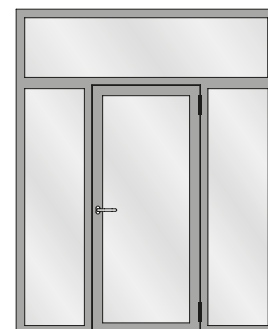
L'aperçu des types suivant fournit une vue d'ensemble des variantes examinées.



Sound insulation

Design range

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



Schallschutz

Isolation phonique

Sound insulation

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 $R_{w+C_{tr}}$ ist der C_{tr} -Wert des Glases vom R_w abzuziehen.

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 $R_{w+C_{tr}}$, la valeur C_{tr} du verre doit être soustraite de R_w .

Table A1

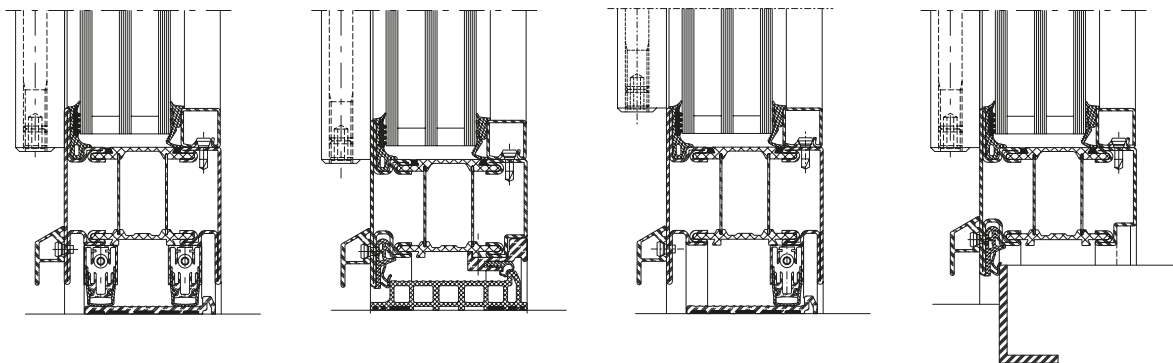
Correction table for Janisol HI doors with glass

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 $R_{w+C_{tr}}$, 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:

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

$R_{w,Tür}$ 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 $\leq 2,5$ m mit Einfallenschloss

K_{FV} Korrekturwert für festverglaste Elemente

K_{Nass} Korrekturwert für Nassverglasung

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

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

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

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

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

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

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

$K_{G3,7}$ Korrekturwert für Elemente mit Einzelscheiben $\geq 3,7$ m² und $\leq 5,5$ m²

$R_{w, porte}$ Cote d'isolement 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 $\leq 2,5$ 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 $\leq 0,4$ m²

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

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

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

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

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

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